Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124001 2001 FB_{77}	14.6	X	307.25531	356.73937	169.08690	7.49710	0.1164841	0.18366113	3.0651934	21	—	—
124002 2001 FX_{77}	14.6	X	337.76651	343.49718	175.67279	11.11422	0.0789113	0.18601067	3.0393274	21	—	—
124003 2001 FP_{79}	14.4	X	261.89963	315.16024	216.13398	16.98564	0.1022197	0.17916421	3.1162710	21	12 23.2	18.9
124004 2001 FG_{81}	14.4	X	188.13155	64.53135	238.65286	9.47051	0.0215535	0.18770569	3.0210025	21	—	—
124005 2001 FK_{81}	14.6	X	225.61247	330.48184	261.93318	7.49454	0.0576565	0.18279774	3.0748375	21	—	—
124006 2001 FT_{86}	14.4	X	176.45609	148.11202	152.95528	13.77426	0.0782916	0.18266888	3.0762833	21	—	—
124007 2001 FQ_{88}	15.8	X	242.66667	38.47344	140.44298	1.87849	0.1310948	0.17766488	3.1337787	21	12 6.6	20.3
124008 2001 FR_{90}	15.4	X	239.44120	100.90533	114.83805	2.24948	0.1176008	0.18058258	3.0999319	21	—	—
124009 2001 FS_{91}	15.2	X	193.45052	289.31504	17.76398	4.68145	0.0354893	0.18987034	2.9979977	21	1 9.3	19.6
124010 2001 FT_{91}	14.8	X	190.90480	174.39355	55.42483	6.44178	0.1241695	0.17884680	3.1199569	21	12 13.2	19.6
124011 2001 FK_{94}	14.7	X	61.45512	264.83709	57.10539	10.81461	0.0437723	0.17306982	3.1890047	21	11 14.1	19.1
124012 2001 FK_{96}	14.7	X	222.89933	159.90894	80.31544	10.76616	0.0351689	0.18239946	3.0793119	21	—	—
124013 2001 FK_{101}	14.4	X	330.53924	111.47562	327.19960	22.41481	0.1030489	0.17972170	3.1098233	21	12 8.4	18.7
124014 2001 FS_{101}	14.8	X	235.00377	3.92633	218.01083	8.51733	0.0888107	0.18336411	3.0685026	21	—	—
124015 2001 FE_{102}	14.2	X	267.48015	283.97192	322.81199	12.42635	0.1291424	0.18963457	3.0004821	21	1 12.4	18.9
124016 2001 FJ_{103}	15.2	X	232.38906	335.12553	197.56084	0.32154	0.1074170	0.17806817	3.1290454	21	11 20.7	19.8
124017 2001 FP_{105}	15.1	X	312.57666	226.25089	25.92259	2.04300	0.0460582	0.19815914	2.9138016	21	3 19.5	18.9
124018 2001 FU_{106}	15.1	X	289.50540	121.55764	141.15636	2.92780	0.0186726	0.19719148	2.9233263	21	3 7.7	19.0
124019 2001 FT_{107}	15.0	X	282.41950	298.42899	249.97155	11.38859	0.2406056	0.18587612	3.0407939	21	—	—
124020 2001 FP_{109}	15.1	X	240.78331	60.17904	108.03016	1.43496	0.1153332	0.17662475	3.1460697	21	11 23.7	19.5
124021 2001 FT_{110}	14.5	X	77.55789	144.04252	166.21618	1.04244	0.1544857	0.17134735	3.2103407	21	12 2.3	19.1
124022 2001 FU_{110}	15.2	X	342.53703	339.71970	192.57414	0.60916	0.0723211	0.19065049	2.9898135	21	1 15.8	19.3
124023 2001 FK_{112}	15.3	X	178.55832	344.34741	252.31289	6.10352	0.2312723	0.17521562	3.1629148	21	12 5.4	20.7
124024 2001 FO_{112}	14.9	X	0.28296	76.69253	1.86525	10.14917	0.1234175	0.18386702	3.0629047	21	—	—
124025 2001 FV_{114}	14.6	X	346.98453	326.80510	145.08968	11.92892	0.0559944	0.18389240	3.0626229	21	—	—
124026 2001 FZ_{115}	14.7	X	237.65431	171.31626	309.72121	3.92396	0.1137722	0.17129303	3.2110194	21	9 22.2	19.6
124027 2001 FS_{117}	14.4	X	204.07135	266.57668	271.52875	11.95809	0.2389811	0.17509457	3.1643725	21	10 14.6	19.9
124028 2001 FB_{119}	14.7	X	6.55793	228.29875	263.01105	7.76160	0.0589774	0.19057913	2.9905598	21	—	—
124029 2001 FG_{121}	15.0	X	225.28043	109.07009	170.05103	10.21398	0.0814579	0.18580341	3.0415871	21	1 9.2	19.8
124030 2001 FN_{121}	15.3	X	289.04135	103.56892	34.78197	13.94708	0.1228157	0.18123519	3.0924857	21	12 17.9	19.4
124031 2001 FC_{124}	14.7	X	320.67885	89.44151	350.88367	15.58633	0.2223575	0.17869887	3.1216786	21	11 12.5	18.2
124032 2001 FN_{126}	14.7	X	248.82619	93.26977	22.54591	15.93532	0.0999676	0.17208380	3.2011749	21	10 4.6	19.3
124033 2001 FP_{127}	14.5	X	191.65443	296.54629	345.86377	21.66486	0.0888993	0.18090992	3.0961914	21	—	—
124034 2001 FX_{129}	14.6	X	358.94496	195.81247	274.56552	3.91475	0.0723277	0.18672988	3.0315181	21	—	—
124035 2001 FK_{131}	14.7	X	246.15859	208.18029	306.46582	11.61387	0.1976818	0.17721256	3.1391089	21	10 29.0	19.6
124036 2001 FZ_{132}	14.3	X	185.59180	346.43225	212.00759	10.31194	0.0740717	0.17101295	3.2145244	21	11 4.4	19.1
124037 2001 FU_{133}	14.8	X	169.23285	212.48463	53.02920	6.01169	0.1404562	0.17556371	3.1587328	21	—	—
124038 2001 FN_{134}	15.2	X	353.13686	142.24741	23.23101	2.10479	0.1810154	0.19008184	2.9957734	21	1 9.8	18.6
124039 2001 FE_{135}	13.9	X	228.35244	253.27098	301.08827	19.68579	0.1907964	0.17881973	3.1202719	21	12 1.5	19.0
124040 2001 FX_{137}	14.6	X	207.16118	45.51833	164.72895	15.46637	0.1063401	0.17488030	3.1669567	21	12 9.5	19.7
124041 2001 FU_{138}	14.4	X	197.45257	275.92742	337.14960	15.84067	0.1194909	0.17912450	3.1167315	21	—	—
124042 2001 FF_{140}	15.5	X	178.12453	236.81633	36.40361	1.39561	0.1477821	0.17902352	3.1179034	21	—	—
124043 2001 FH_{140}	14.9	X	76.12543	208.38343	166.44554	10.09758	0.0308840	0.18161218	3.0882046	21	—	—
124044 2001 FB_{141}	15.1	X	114.04919	22.36858	203.41343	8.29421	0.2211690	0.21584948	2.7523398	21	10 8.3	19.6
124045 2001 FL_{141}	14.8	X	212.67172	216.59771	69.50654	3.40390	0.2489835	0.18309274	3.0715339	21	1 6.6	20.1
124046 2001 FP_{141}	14.7	X	160.10548	174.12342	37.40262	8.21732	0.0844436	0.17027858	3.2237601	21	10 24.7	19.5
124047 2001 FP_{143}	14.4	X	124.42655	266.07371	50.78554	16.14663	0.0514445	0.17702211	3.1413599	21	—	—
124048 2001 FH_{146}	14.6	X	193.54773	272.89476	315.09527	9.54847	0.0346245	0.17761201	3.1344005	21	12 21.3	19.3
124049 2001 FJ_{146}	14.8	X	260.68011	299.00585	223.41346	11.84920	0.0571464	0.17864232	3.1223373	21	12 18.1	19.2
124050 2001 FJ_{148}	14.4	X	174.04013	253.85178	334.38123	13.95977	0.1103769	0.17404600	3.1770693	21	11 22.5	19.6
124051 2001 FU_{150}	14.7	X	299.50689	193.20614	342.56936	9.62031	0.0358200	0.18305559	3.0719493	21	—	—
124052 2001 FM_{152}	14.4	X	174.04593	201.38880	63.25682	6.28568	0.1529972	0.17915312	3.1163996	21	—	—
124053 2001 FM_{153}	15.0	X	48.63907	265.50736	50.93455	9.56203	0.3560371	0.21302789	2.7765899	21	12 9.7	19.2
124054 2001 FO_{155}	14.6	X	152.55443	113.61582	171.65045	9.70795	0.0532956	0.18098906	3.0952888	21	—	—
124055 2001 FJ_{160}	14.3	X	162.60557	357.74145	257.17693	11.20449	0.1215496	0.17551499	3.1593172	21	12 15.9	19.3
124056 2001 FW_{160}	14.9	X	245.65070	233.73505	17.27657	8.12602	0.1815539	0.18380456	3.0635986	21	—	—
124057 2001 FH_{162}	15.2	X	5.77468	155.65989	353.45355	1.74546	0.2049398	0.18998613	2.9967795	21	1 7.4	18.3
124058 2001 FH_{164}	15.0	X	263.04837	164.90698	9.55308	1.63741	0.0725884	0.18044041	3.1015600	21	—	—
124059 2001 FL_{166}	15.1	X	250.66519	324.67171	249.31990	1.60144	0.0606944	0.18292911	3.0733652	21	—	—
124060 2001 FZ_{167}	15.6	X	140.14929	336.69035	24.05498	2.57596	0.0776759	0.18854811	3.0119975	21	1 18.1	19.9
124061 2001 FW_{168}	15.1	X	317.60259	263.99243	321.31042	9.99878	0.0977581	0.19309233	2.9645540	21	2 13.1	19.2
124062 2001 FG_{169}	14.5	X	229.25211	15.48675	169.94735	15.59894	0.2137765	0.17509312	3.1643899	21	11 22.7	19.7
124063 2001 FL_{171}	14.3	X	187.03135	261.96627	14.92876	18.44020	0.1846858	0.17720059	3.1392502	21	—	—
124064 2001 FQ_{171}	14.5	X	213.36386	118.91980	131.47829	17.21085	0.2022608	0.17976598	3.1093126	21	—	—
124065 2001 FO_{172}	15.1	X	213.41868	133.74077	117.13629	16.44436	0.2260647	0.17946181	3.1128249	21	—	—
124066 2001 FG_{175}	14.4	X	195.86491	121.29916	142.88800	14.98909	0.2215093	0.17941589	3.1133560	21	—	—
124067 2001 FK_{175}	14.3	X	238.23990	161.70239	52.65682	18.49429	0.1492313	0.18106129	3.0944655	21	—	—
124068 2001 FX_{175}	14.8	X	278.13188	123.13198	133.82627	12.52224	0.1022472	0.19178095	2.9780529	21	2 4.8	19.3
124069 2001 FY_{176}	14.6	X	319.12989	338.61540	129.21643	15.78741	0.1253676	0.18038504	3.1021946	21	12 28.5	18.5
124070 2001 FZ_{176}	14.2	X	120.27079	168.60317	113.38828	14.22648	0.1175092	0.17270538	3.1934894	21	12 9.8	19.3
124071 2001 FW_{192}	14.5	X	129.42485	139.42323	123.21011	10.39024	0.0601393	0.17520068	3.1630946	21	11 24.5	19.3
124072 2001 FG_{194}	14.5	X	176.07223	66.88218	90.16268	17.83937	0.1771219	0.16903081	3.2396056	21	9 12.0	20.2
124073 2001 GJ_{1}	14.3	X	185.91540	116.70481	80.32196	23.92380	0.1185038	0.17546720	3.1598909	21	11 9.3	19.5
124074 2001 GR_{1}	14.7	X	246.32019	109.78031	126.39966	14.08561	0.1309339	0.18224734	3.0810252	21	—	—
124075 Ketelsen	15.6	X	344.43081	238.77100	239.97011	0.48676	0.1450792	0.18407210	3.0606293	21	—	—
124076 2001 GG_{3}	16.0	X	286.46083	260.76807	118.51300	24.82707	0.0894756	0.35476056	1.9762679	21	7 26.9	17.5
124077 2001 GJ_{3}	16.3	X	113.32928	205.46198	133.22359	24.11766	0.0270218	0.37309118	1.9109943	21	—	—
124078 2001 GM_{3}	16.0	X	179.09502	154.34846	98.81922	26.14385	0.0678511	0.37076718	1.9189715	21	—	—
124079 2001 GQ_{3}	14.5	X	244.73915	1.03730	158.50832	28.52614	0.1240051	0.17599728	3.1535429	21	11 22.1	19.6
124080 2001 GO_{4}	15.7	X	291.07742	287.58480	109.17419	24.51545	0.1453950	0.35730821	1.9668627	21	9 2.2	17.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124081 2001 GY_4	14.7	X	280.46309	124.83629	54.95649	24.26122	0.2005334	0.18152505	3.0891928	21	—	—
124082 2001 GV_6	14.2	X	162.29852	229.42431	35.02511	22.48180	0.0818600	0.17644897	3.1481588	21	12 26.1	19.4
124083 2001 GC_{11}	16.0	X	138.25177	307.63976	356.81856	4.61094	0.1816071	0.31994706	2.1171452	21	—	—
124084 2001 HP_7	14.8	X	206.57778	179.98058	78.99791	2.68578	0.1378530	0.17785925	3.1314951	21	—	—
124085 2001 HR_8	16.1	X	229.51632	114.33948	161.95094	23.33363	0.1044343	0.37766968	1.8955183	21	—	—
124086 2001 HZ_{11}	14.8	X	110.43146	97.21026	198.10951	2.94623	0.2655362	0.16861480	3.2449320	21	12 22.1	20.3
124087 2001 HY_{15}	14.9	X	129.35516	158.99526	124.25319	6.10726	0.1355115	0.17151571	3.2082395	21	12 18.5	20.1
124088 2001 HP_{16}	16.7	X	303.26623	44.17110	94.75550	22.85849	0.0695950	0.37210843	1.9143575	21	—	—
124089 2001 HZ_{19}	14.6	X	210.73876	112.14595	137.45398	26.41883	0.2425440	0.17604666	3.1529532	21	—	—
124090 2001 HZ_{24}	15.5	X	275.01068	63.58861	67.39550	1.20713	0.0561961	0.17630808	3.1498358	21	11 28.4	19.8
124091 2001 HD_{27}	14.1	X	194.77972	201.74252	86.03743	18.00553	0.2103757	0.17707809	3.1406979	21	—	—
124092 2001 HJ_{32}	14.7	X	238.92260	215.61308	24.08903	14.79532	0.1822412	0.18079870	3.0974611	21	—	—
124093 2001 HB_{33}	14.4	X	257.83891	295.19533	218.87867	10.57639	0.1763932	0.17559127	3.1584022	21	11 18.5	18.8
124094 2001 HK_{33}	15.2	X	265.42888	15.51080	198.50192	4.52736	0.0781171	0.18173288	3.0868371	21	—	—
124095 2001 HL_{33}	15.1	X	185.33616	43.90136	212.52606	1.16788	0.1708569	0.17510559	3.1642396	21	—	—
124096 2001 HT_{40}	14.7	X	302.15884	106.92028	91.87686	16.01825	0.1881842	0.18537326	3.0462906	21	—	—
124097 2001 HZ_{40}	14.0	X	122.82347	201.98652	99.82329	20.81133	0.1309486	0.17142974	3.2093120	21	—	—
124098 2001 HE_{41}	14.4	X	196.28327	112.30388	165.17414	16.41963	0.2406976	0.17661528	3.1461822	21	—	—
124099 2001 HG_{41}	14.7	X	217.09499	112.92794	137.22842	16.71852	0.2346998	0.17726119	3.1385347	21	—	—
124100 2001 HS_{41}	13.7	X	22.61769	289.19032	128.55137	9.49578	0.2630193	0.12587407	3.9431673	21	—	—
124101 2001 HX_{41}	14.6	X	241.47994	155.46326	105.19621	4.12607	0.0829360	0.18586474	3.0409180	21	1 4.8	19.3
124102 2001 HG_{43}	15.4	X	229.53561	337.71584	275.37691	1.65642	0.1530590	0.18199194	3.0839070	21	—	—
124103 2001 HO_{43}	15.1	X	153.91703	239.97997	15.79701	3.51076	0.1574153	0.17200446	3.2021591	21	12 8.2	20.4
124104 Balcony	17.0	X	338.91231	76.48665	188.87075	2.92370	0.1623136	0.29525349	2.2336032	21	4 15.9	19.1
124105 2001 HN_{48}	14.9	X	218.75185	67.58705	140.80474	17.14671	0.1870695	0.17666782	3.1455584	21	12 12.0	20.1
124106 2001 HH_{49}	14.6	X	209.89904	97.83217	52.61701	26.05537	0.1734966	0.17061859	3.2194757	21	10 9.1	20.1
124107 2001 HX_{49}	14.1	X	189.78671	63.85815	175.86731	27.54047	0.1969200	0.17477290	3.1682539	21	12 19.6	19.8
124108 2001 HD_{50}	14.4	X	184.17354	131.82918	106.49638	10.68013	0.0783102	0.17676130	3.1444493	21	12 19.9	19.2
124109 2001 HK_{50}	14.9	X	218.37209	226.89676	356.58294	16.58705	0.1913809	0.17748769	3.1358641	21	12 27.2	20.1
124110 2001 HK_{53}	15.2	X	296.66310	68.76501	184.22751	8.87681	0.0924829	0.18933468	3.0036496	21	2 21.0	19.5
124111 2001 HQ_{53}	14.9	X	220.57127	84.31737	105.92434	6.35194	0.1451046	0.17264766	3.1942010	21	11 25.0	19.8
124112 2001 HB_{54}	17.0	X	223.01227	79.78402	186.38268	22.04538	0.0767256	0.37681962	1.8983679	21	—	—
124113 2001 HT_{54}	16.8	X	116.56831	214.13746	83.73191	4.74600	0.2045655	0.31662103	2.1319460	21	—	—
124114 2001 HX_{65}	14.4	X	182.20468	109.88172	147.91991	17.94755	0.0982076	0.17322502	3.1870996	21	—	—
124115 2001 JH_4	17.1	X	6.95965	227.12455	68.46266	5.00028	0.2224497	0.29998058	2.2100764	21	8 26.6	18.3
124116 2001 JS_6	14.4	X	199.94924	39.84588	220.41006	7.15360	0.1650835	0.17909463	3.1170780	21	—	—
124117 2001 JX_6	14.7	X	182.53893	86.09745	117.96137	5.14578	0.1119341	0.17054854	3.2203572	21	11 7.5	19.8
124118 2001 JK_8	14.1	X	285.81248	43.34646	55.53961	16.53050	0.0463602	0.16891826	3.2410444	21	11 5.5	18.5
124119 2001 JU_{10}	14.7	X	318.61399	52.24931	112.66484	10.16378	0.0914490	0.18239239	3.0793915	21	—	—
124120 2001 KR_2	16.7	X	289.30666	227.78260	86.10351	5.78941	0.2717182	0.29159215	2.2522616	21	3 30.2	19.9
124121 2001 KV_2	16.7	X	335.98175	45.15534	72.00895	24.51537	0.1139377	0.37309093	1.9109952	21	—	—
124122 2001 KY_2	16.3	X	310.88838	75.65588	69.85667	22.84567	0.0924742	0.37308260	1.9110236	21	—	—
124123 2001 KE_3	14.9	X	153.73593	208.60560	56.99270	6.09399	0.1380097	0.17105292	3.2140236	21	12 19.2	20.1
124124 2001 KC_4	14.6	X	247.04273	125.10338	68.18193	11.09463	0.1773563	0.17631081	3.1498032	21	12 21.5	19.2
124125 2001 KB_6	16.5	X	36.01277	300.48081	15.20690	2.36787	0.2095808	0.30694834	2.1765026	21	11 20.3	19.0
124126 2001 KE_9	14.3	X	252.00433	309.47368	243.06360	17.30827	0.1855774	0.17899737	3.1182071	21	12 24.7	18.8
124127 2001 KP_{13}	16.2	X	332.30551	163.83453	104.26863	7.56856	0.2434359	0.29034824	2.2586898	21	3 29.1	18.5
124128 2001 KZ_{15}	14.4	X	236.90046	166.74305	73.43708	18.46120	0.1888483	0.17900007	3.1181757	21	—	—
124129 2001 KF_{21}	15.2	X	212.95529	86.13576	118.07477	6.30386	0.1347488	0.17300077	3.1898531	21	12 4.4	20.1
124130 2001 KN_{45}	16.6	X	159.96860	94.42632	178.44948	5.59174	0.2113911	0.26856485	2.3792309	21	—	—
124131 2001 KZ_{50}	14.6	X	185.63212	18.08415	236.37851	15.06610	0.1323749	0.17518806	3.1632466	21	—	—
124132 2001 KK_{57}	16.7	X	56.24235	173.95179	125.29939	6.81359	0.1955440	0.30798186	2.1716306	21	11 23.7	19.6
124133 2001 KX_{64}	14.5	X	123.13728	177.40041	140.20239	18.49523	0.0824161	0.17416752	3.1755913	21	—	—
124134 2001 KA_{72}	16.4	X	39.22979	283.46746	26.17272	4.06717	0.1739467	0.30682292	2.1770957	21	11 10.2	18.8
124135 2001 LS	15.9	X	192.97391	224.76566	93.04244	14.69353	0.2581687	0.27510190	2.3413894	21	1 17.9	19.9
124136 2001 LT_2	16.5	X	313.09721	229.51481	80.82922	5.14287	0.2708231	0.29267527	2.2467014	21	4 22.4	19.0
124137 2001 LQ_5	16.2	X	276.08981	236.97200	111.52068	8.35756	0.1874063	0.28991965	2.2609152	21	5 12.0	19.3
124138 2001 LE_{12}	16.4	X	346.59848	81.60671	248.14566	6.29498	0.1459035	0.29751766	2.2222566	21	8 21.5	18.2
124139 2001 LL_{12}	16.2	X	334.79552	32.52406	261.69934	8.25926	0.1706677	0.34132587	2.0277913	21	5 17.6	17.4
124140 2001 LT_{17}	15.9	X	49.51761	4.73162	313.36158	5.50272	0.1279725	0.30355085	2.1927128	21	11 27.7	18.6
124141 2001 LL_{18}	15.8	X	332.50216	336.57947	107.82104	23.66700	0.0823425	0.36913091	1.9246382	21	—	—
124142 2001 ME_2	16.6	X	214.75707	106.85900	130.89177	25.49990	0.0265316	0.37217651	1.9141240	21	—	—
124143 Joséluiscorral	16.5	X	193.37986	152.92837	200.57570	1.76158	0.2505130	0.27750849	2.3278333	21	2 28.1	20.4
124144 2001 MG_{11}	16.0	X	211.59474	104.36189	221.07444	10.62110	0.2496645	0.27640194	2.3340420	21	2 5.0	20.2
124145 2001 MN_{11}	15.4	X	119.46954	44.30218	309.45159	11.99477	0.2563985	0.26511391	2.3998331	21	—	—
124146 2001 MQ_{12}	16.7	X	279.95414	99.55321	218.63988	0.45332	0.2729224	0.28569864	2.2831298	21	3 23.6	20.2
124147 2001 MW_{13}	16.7	X	22.68176	206.40326	86.08441	8.91577	0.0775425	0.29845761	2.2175884	21	9 6.6	19.1
124148 2001 MU_{20}	16.7	X	324.80165	282.66746	60.53314	4.89620	0.1937296	0.29554915	2.2321133	21	7 23.5	18.3
124149 2001 MG_{22}	16.2	X	315.87063	303.03898	16.74609	5.37145	0.1582818	0.29025832	2.2591562	21	5 29.1	18.4
124150 2001 NV_3	16.1	X	132.62534	110.86385	249.28309	5.61986	0.1613445	0.27123388	2.3635970	21	1 1.3	19.0
124151 2001 NX_4	16.5	X	251.65637	38.64527	296.70100	2.66980	0.1444992	0.28523656	2.2855949	21	3 28.5	19.7
124152 2001 NX_6	15.9	X	197.18891	34.21885	312.48920	6.34203	0.1663910	0.27593799	2.3366575	21	2 19.9	19.5
124153 2001 NT_7	16.7	X	72.47955	237.88182	56.53037	4.22963	0.1559235	0.30574852	2.1821929	21	11 28.2	19.6
124154 2001 NA_9	15.0	X	231.04331	192.71966	75.18927	2.77721	0.1883530	0.17632347	3.1496524	21	1 1.4	20.3
124155 2001 NU_{19}	16.7	X	252.78745	157.37679	158.18894	3.96385	0.2055483	0.28255799	2.3000167	21	3 1.9	20.3
124156 2001 NJ_{21}	16.2	X	225.63338	189.69336	115.39853	3.13912	0.2561401	0.27652597	2.3333440	21	1 26.1	20.1
124157 2001 NE_{22}	16.6	X	203.93702	221.98373	107.44302	3.82725	0.1855711	0.27524810	2.3405602	21	2 7.1	20.2
124158 2001 OV_2	16.2	X	227.13643	47.46431	287.97541	6.00183	0.3373491	0.27950724	2.3167225	21	2 28.2	20.6
124159 2001 OB_4	16.4	X	208.05313	238.29759	89.96101	6.38279	0.2292078	0.27737876	2.3285590	21	2 10.9	20.4
124160 2001 OD_7	16.4	X	209.51025	150.98092	158.25441	9.49136	0.2491202	0.27505307	2.3416666	21	1 18.2	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124161 2001 OK_{12}	15.7	X	188.23573	177.84304	142.88614	12.36266	0.2001470	0.27129172	2.3632610	21	1 13.9	19.6
124162 2001 OQ_{13}	16.6	X	294.80289	224.14740	123.03197	7.21070	0.2717057	0.28905233	2.2654357	21	5 20.4	19.5
124163 2001 OG_{14}	16.4	X	0.72740	325.90189	306.39376	6.39967	0.1530057	0.29167724	2.2518235	21	6 17.7	18.0
124164 2001 OT_{15}	17.4	X	91.87517	191.80423	76.72979	6.65665	0.1794905	0.30551220	2.1833181	21	11 17.9	20.6
124165 2001 ON_{16}	15.9	X	231.10002	289.36077	74.29249	7.99850	0.3419436	0.28152216	2.3056550	21	4 10.9	20.2
124166 2001 OE_{18}	16.6	X	332.08640	131.67728	243.96215	2.71932	0.0759070	0.30153664	2.2024666	21	10 9.7	18.7
124167 2001 OM_{18}	16.5	X	271.14643	141.98199	158.89001	5.36907	0.1754245	0.28421957	2.2910438	21	3 2.9	19.8
124168 2001 OQ_{18}	16.6	X	282.77919	138.80358	164.67931	6.71785	0.1365514	0.28605568	2.2812296	21	3 24.2	19.6
124169 2001 OD_{21}	16.2	X	95.34114	166.39193	170.50438	2.32188	0.2025181	0.26034221	2.4290679	21	—	—
124170 2001 OL_{21}	16.1	X	203.45661	92.40618	271.08405	2.48376	0.2512124	0.27765741	2.3270008	21	3 19.1	20.1
124171 2001 OU_{21}	15.9	X	173.43613	42.72322	327.61394	5.72358	0.2478533	0.27398377	2.3477553	21	3 4.8	19.9
124172 2001 OY_{23}	16.3	X	257.38097	254.36308	106.22182	6.71546	0.2902396	0.28692584	2.2766151	21	4 28.2	20.0
124173 2001 OJ_{24}	16.6	X	326.83732	58.57659	263.83925	3.29807	0.1729564	0.29337301	2.2431377	21	6 23.2	18.4
124174 2001 OR_{24}	14.1	X	172.96105	353.69190	348.62279	2.21115	0.2477327	0.12518894	3.9575410	21	2 16.1	20.6
124175 2001 OB_{26}	16.3	X	54.85017	111.88644	145.61310	4.45878	0.1386303	0.29878609	2.2159628	21	9 12.5	18.7
124176 2001 OJ_{32}	16.2	X	186.14405	45.34920	359.28585	5.85974	0.1559609	0.28232896	2.3012604	21	4 22.7	19.8
124177 2001 OK_{37}	16.8	X	177.09498	324.75689	54.67601	7.40685	0.1207591	0.27902536	2.3193890	21	3 16.1	20.2
124178 2001 OJ_{40}	16.2	X	214.75497	275.15851	61.82721	7.68415	0.1295822	0.27780587	2.3261717	21	2 28.5	19.8
124179 2001 OY_{44}	16.3	X	349.80708	351.28731	268.78857	5.62100	0.0904413	0.28941563	2.2635394	21	5 7.3	18.4
124180 2001 OY_{45}	16.4	X	275.51793	251.66657	100.71060	4.32726	0.0757387	0.29043114	2.2582599	21	5 31.2	19.0
124181 2001 OD_{46}	16.1	X	254.31321	51.24199	286.05207	5.86002	0.1440087	0.28481959	2.2878251	21	4 1.1	19.5
124182 2001 OJ_{50}	16.7	X	239.10910	168.01860	182.37110	4.90602	0.1877327	0.28345060	2.2951855	21	4 3.9	20.3
124183 2001 OE_{52}	16.3	X	5.68686	250.55337	69.67007	7.84955	0.1837380	0.29803829	2.2196679	21	10 3.2	18.1
124184 2001 OT_{55}	16.0	X	183.03694	182.07562	323.85652	5.60633	0.0967982	0.29327637	2.2436305	21	9 5.4	19.0
124185 2001 OP_{56}	15.7	X	308.46624	6.60622	287.87193	6.86062	0.1279723	0.28423044	2.2909854	21	4 11.6	18.6
124186 2001 OH_{57}	16.4	X	332.21909	165.93000	116.46003	5.02894	0.1690287	0.28985716	2.2612402	21	5 2.0	18.5
124187 2001 OL_{59}	16.3	X	33.75517	102.94159	169.97930	7.70266	0.1286564	0.29822709	2.2187310	21	8 27.9	18.3
124188 2001 OM_{60}	17.1	X	16.48524	77.72996	164.17138	1.84380	0.1189824	0.29222997	2.2489832	21	6 1.2	18.9
124189 2001 OS_{61}	16.5	X	350.84259	266.33497	9.73260	3.55818	0.1256236	0.29145523	2.2529669	21	6 1.9	18.4
124190 2001 OC_{63}	16.7	X	238.83473	226.50962	147.06988	4.68139	0.1576158	0.28619462	2.2804912	21	5 7.0	20.0
124191 2001 OO_{63}	16.4	X	280.38279	289.81253	86.26164	6.40313	0.1827057	0.29258480	2.2471646	21	6 23.8	19.1
124192 Moletai	16.5	X	139.61953	1.96200	251.50242	5.82278	0.2835905	0.31126606	2.1563282	21	12 10.9	20.3
124193 2001 OS_{68}	15.9	X	354.49292	3.71917	271.27424	6.09484	0.1053606	0.28936659	2.2637952	21	6 10.2	17.8
124194 2001 OY_{72}	15.8	X	256.83435	61.95957	317.77488	4.45007	0.1784412	0.28681567	2.2771980	21	5 30.2	19.0
124195 2001 OZ_{72}	16.5	X	108.30739	171.19626	145.12683	6.43382	0.2778118	0.26108888	2.4244345	21	—	—
124196 2001 OO_{73}	16.0	X	287.15594	101.43243	191.15612	6.94297	0.1353461	0.28210798	2.3024620	21	3 13.3	19.1
124197 2001 OQ_{74}	15.1	X	199.57069	56.20038	331.10338	24.16568	0.2358847	0.27695092	2.3309566	21	4 2.1	19.6
124198 2001 OH_{77}	16.5	X	205.38121	253.73889	120.32687	0.29908	0.2836084	0.27517205	2.3409915	21	4 4.1	20.7
124199 2001 OV_{78}	16.5	X	339.31649	242.41045	100.71193	6.85287	0.2044604	0.29541132	2.2328076	21	9 3.6	17.8
124200 2001 OM_{81}	15.2	X	21.56230	260.29977	150.45800	8.73630	0.3597844	0.25317569	2.4746933	21	—	—
124201 2001 OJ_{85}	16.4	X	352.90043	193.46742	161.28800	4.99303	0.2249128	0.29948114	2.2125329	21	11 4.8	17.7
124202 2001 OT_{85}	16.0	X	329.17570	170.70606	134.09449	6.40615	0.1518614	0.29147558	2.2528620	21	6 3.3	18.1
124203 2001 OQ_{86}	16.8	X	188.41442	333.62097	355.40637	2.17394	0.2120111	0.27422651	2.3463696	21	1 25.5	20.7
124204 2001 OP_{92}	16.5	X	319.73007	232.21717	93.83234	7.51302	0.1531063	0.29303089	2.2448834	21	6 17.9	18.3
124205 2001 OA_{94}	16.6	X	347.77294	42.37341	314.56569	2.48510	0.2306979	0.29852621	2.2172487	21	10 22.4	17.8
124206 2001 OX_{95}	17.1	X	33.05832	64.68091	325.24470	6.23379	0.0621588	0.30951008	2.1644764	21	—	—
124207 2001 OK_{97}	16.4	X	243.83420	291.96121	47.38363	3.47872	0.1808791	0.28284758	2.2984466	21	3 26.5	20.0
124208 2001 OR_{97}	15.9	X	161.08969	39.60504	299.99828	6.21733	0.1347612	0.27106150	2.3645989	21	1 5.9	19.2
124209 2001 OM_{98}	16.5	X	312.73424	259.24077	120.01622	6.44666	0.2326858	0.29555072	2.2321054	21	8 20.9	17.9
124210 2001 OU_{100}	16.3	X	337.44123	232.30858	98.43273	5.20969	0.1752294	0.29527197	2.2335100	21	8 4.3	17.6
124211 2001 OC_{101}	16.7	X	215.91249	341.50835	328.30430	3.42286	0.1730509	0.27655706	2.3331691	21	1 23.9	20.4
124212 2001 OO_{102}	16.7	X	329.68903	40.14938	270.60550	5.02939	0.1337557	0.29177429	2.2513242	21	6 15.6	18.4
124213 2001 OX_{106}	16.3	X	124.78196	32.99154	278.08737	3.19030	0.2248998	0.31182148	2.1537669	21	—	—
124214 2001 OB_{111}	16.1	X	233.63087	214.20055	71.42231	7.92236	0.1035253	0.27244250	2.3566015	21	1 11.4	19.6
124215 2001 OJ_{111}	16.7	X	223.27943	158.48733	158.38151	4.71263	0.1428763	0.27874531	2.3209423	21	2 6.8	20.1
124216 2001 PZ_{4}	16.4	X	127.35154	63.84876	184.82805	3.65771	0.1506731	0.30835240	2.1698906	21	11 25.3	19.5
124217 2001 PV_{5}	16.7	X	355.18089	193.84097	106.85481	5.85375	0.1765582	0.29370753	2.2414342	21	7 25.9	17.9
124218 2001 PY_{5}	16.0	X	194.10163	254.20823	111.17507	5.51347	0.1542912	0.27783203	2.3260257	21	3 15.5	19.6
124219 2001 PN_{6}	16.4	X	119.61100	214.91627	128.70198	3.22324	0.1826749	0.26520067	2.3993097	21	—	—
124220 2001 PQ_{6}	16.9	X	89.18593	17.00625	334.10999	0.73066	0.2054742	0.26162839	2.4211005	21	—	—
124221 2001 PW_{9}	16.3	X	300.00916	298.75867	335.11730	6.07087	0.1783149	0.28490280	2.2873795	21	2 26.4	19.1
124222 2001 PN_{10}	16.4	X	292.97150	106.21763	188.88810	3.42478	0.1538432	0.28580176	2.2825806	21	3 21.6	19.3
124223 2001 PD_{13}	15.8	X	13.16487	240.83011	62.46953	8.28561	0.2252699	0.29700882	2.2247941	21	9 28.7	17.5
124224 2001 PF_{17}	14.0	X	337.15112	317.46573	32.94808	11.98994	0.0554152	0.14811023	3.5379037	21	9 1.9	18.9
124225 2001 PO_{20}	16.5	X	89.94287	326.82528	18.71537	10.25015	0.2259048	0.26210470	2.4181664	21	—	—
124226 2001 PK_{22}	16.8	X	218.08695	331.14640	351.62581	3.16699	0.1914999	0.27790362	2.3256262	21	2 10.8	20.5
124227 2001 PV_{22}	16.4	X	228.25723	341.88732	8.02916	7.15153	0.1361842	0.28230267	2.3014033	21	3 26.0	19.9
124228 2001 PT_{24}	16.8	X	220.53083	176.16982	129.34279	1.99850	0.2290682	0.27581972	2.3373254	21	1 22.6	20.8
124229 2001 PX_{24}	16.6	X	124.05942	58.19271	302.54498	2.29166	0.1930790	0.26722341	2.3871867	21	—	—
124230 2001 PH_{25}	16.9	X	286.09757	42.03005	262.57828	3.66663	0.1520985	0.28409431	2.2917172	21	3 24.8	20.1
124231 2001 PJ_{25}	16.1	X	232.01197	303.40294	71.20603	7.61368	0.2042420	0.28380574	2.2932704	21	4 29.3	19.7
124232 2001 PM_{26}	16.5	X	148.89248	243.00106	113.95258	3.32069	0.2364314	0.27017916	2.3697443	21	1 26.4	19.8
124233 2001 PX_{36}	16.1	X	51.47976	202.63069	67.51980	8.19558	0.2345719	0.29950308	2.2124248	21	10 15.2	18.8
124234 2001 PP_{41}	16.4	X	32.12016	53.89769	344.68243	3.59598	0.1040674	0.30860442	2.1687090	21	—	—
124235 2001 PB_{42}	15.7	X	239.88310	72.96607	225.35370	6.02039	0.1264629	0.27614449	2.3354924	21	1 29.7	19.3
124236 2001 PC_{44}	17.1	X	178.16150	30.27351	284.13422	1.36414	0.1060924	0.32066986	2.1139625	21	—	—
124237 2001 PH_{45}	16.1	X	312.05555	58.97548	335.02642	7.45385	0.1217422	0.29664005	2.2266375	21	9 25.5	18.0
124238 2001 PN_{45}	15.7	X	315.25450	273.86052	87.52578	7.78135	0.2407296	0.24594772	2.5229435	21	7 21.6	18.1
124239 2001 PO_{45}	16.3	X	124.26242	303.56615	70.03167	6.27423	0.1854733	0.27084433	2.3658628	21	1 13.2	19.2
124240 2001 PP_{48}	16.3	X	91.68833	298.00595	60.04691	6.72244	0.1558988	0.26450184	2.4035339	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124241 2001 PS_{51}	16.9	X	200.67398	231.72512	182.23764	1.25520	0.2232510	0.28433314	2.2904337	21	5 20.3	20.6
124242 2001 PP_{58}	16.1	X	158.96709	47.69812	7.68055	7.51659	0.0893800	0.27936481	2.3175098	21	4 5.2	19.3
124243 2001 PS_{61}	16.7	X	257.21939	33.38491	327.52403	3.89428	0.1300984	0.28644606	2.2791565	21	5 9.5	19.8
124244 2001 PD_{62}	16.1	X	186.23066	265.66663	166.11158	4.57645	0.1042319	0.28541212	2.2846575	21	5 30.9	19.4
124245 2001 PS_{62}	16.1	X	3.77150	100.06029	135.54937	3.44709	0.1298692	0.28534530	2.2850142	21	4 25.9	18.1
124246 2001 PW_{65}	16.9	X	290.85618	153.37520	165.61745	4.01129	0.1222995	0.28715899	2.2753826	21	4 27.6	19.6
124247 2001 QV_{2}	16.1	X	230.02730	358.42400	303.33728	5.86748	0.1379425	0.27791717	2.3255506	21	1 25.9	19.7
124248 2001 QB_{3}	16.4	X	259.89811	244.82168	158.27637	5.80145	0.1520547	0.29278398	2.2461453	21	7 9.7	19.3
124249 2001 QD_{3}	16.2	X	16.02740	128.18534	217.12603	1.26239	0.1807165	0.25259664	2.4784738	21	11 15.9	18.7
124250 2001 QG_{3}	16.5	X	217.41251	231.50672	129.72902	6.20578	0.1359294	0.28214132	2.3022806	21	4 1.4	20.0
124251 2001 QV_{3}	16.4	X	92.62171	70.02393	174.10344	2.59915	0.1342380	0.30140949	2.2030859	21	10 12.3	19.4
124252 2001 QA_{4}	16.7	X	184.30230	175.98893	141.72526	3.11286	0.1903375	0.27276711	2.3547314	21	1 6.2	20.2
124253 2001 QH_{4}	16.5	X	128.83737	121.39448	136.45840	3.19065	0.1110656	0.30783263	2.1723324	21	12 7.8	19.5
124254 2001 QA_{5}	16.7	X	127.84124	77.05213	319.03578	4.58458	0.2347519	0.27198451	2.3592462	21	2 21.7	19.9
124255 2001 QY_{6}	16.7	X	228.51824	168.31825	158.63898	3.43518	0.2496086	0.27940579	2.3172832	21	2 22.7	20.7
124256 2001 QG_{8}	16.9	X	25.51591	45.73172	291.35922	1.72419	0.1743565	0.30177492	2.2013070	21	11 28.9	19.2
124257 2001 QB_{9}	16.3	X	162.76520	345.07056	11.53496	2.20006	0.2120343	0.27273551	2.3549133	21	2 5.9	19.8
124258 2001 QT_{9}	16.0	X	211.31439	9.17964	325.73812	7.04723	0.2126417	0.27742812	2.3282828	21	2 19.1	19.8
124259 2001 QM_{11}	16.7	X	306.77628	34.68435	350.15391	1.36385	0.2175107	0.29482593	2.2357622	21	8 17.9	18.2
124260 2001 QK_{12}	16.1	X	134.45335	49.41197	329.61454	3.38542	0.2233131	0.27019778	2.3696354	21	2 6.8	19.2
124261 2001 QP_{12}	16.5	X	95.77257	337.25025	338.27325	3.69802	0.1587340	0.30884479	2.1675837	21	—	—
124262 2001 QU_{12}	16.6	X	137.92435	153.46570	171.83880	2.20615	0.2109882	0.26601304	2.3944224	21	—	—
124263 2001 QN_{13}	16.1	X	237.70613	275.46332	142.84705	7.04232	0.1459655	0.28959013	2.2626300	21	7 5.1	19.2
124264 2001 QL_{14}	16.6	X	267.07450	14.80723	319.22482	1.57603	0.2580162	0.28465044	2.2887313	21	4 1.9	20.2
124265 2001 QZ_{14}	16.6	X	151.68360	288.35917	30.93052	1.67799	0.1947641	0.26804731	2.3822925	21	—	—
124266 2001 QE_{15}	17.2	X	105.92935	239.04449	105.74060	3.91961	0.1830870	0.31367869	2.1452572	21	—	—
124267 2001 QO_{15}	16.2	X	256.88317	322.24008	36.01680	4.59046	0.1436470	0.28652013	2.2787637	21	5 5.1	19.5
124268 2001 QK_{16}	16.5	X	208.51069	201.28858	137.62021	6.49648	0.1263814	0.27740009	2.3284396	21	2 21.5	20.0
124269 2001 QD_{18}	13.7	X	207.20534	150.84831	168.17574	9.13671	0.2471902	0.12545761	3.9518886	21	2 12.6	20.4
124270 2001 QH_{19}	15.8	X	171.37786	99.20612	260.88212	1.61777	0.1939182	0.27338533	2.3511802	21	2 15.2	19.3
124271 2001 QO_{19}	16.2	X	337.99669	134.66759	186.76333	2.92405	0.1948279	0.29282867	2.2459167	21	7 15.1	17.5
124272 2001 QR_{19}	16.7	X	163.93621	132.71414	195.52547	0.64687	0.2035936	0.26945523	2.3739868	21	1 1.9	20.2
124273 2001 QU_{19}	16.5	X	206.51224	321.92550	334.53623	2.01501	0.2072127	0.27233782	2.3572053	21	—	—
124274 2001 QW_{20}	16.5	X	276.61152	102.52907	331.51824	7.33646	0.0647206	0.29688697	2.2254028	21	10 1.5	19.1
124275 2001 QH_{23}	16.5	X	202.22402	282.09878	103.44812	2.05129	0.2224264	0.28013860	2.3132403	21	4 16.3	20.2
124276 2001 QJ_{26}	17.7	X	123.63312	349.88225	329.49880	2.41334	0.2238627	0.31300310	2.1483430	21	—	—
124277 2001 QX_{27}	15.9	X	209.49063	29.36030	25.00718	6.38470	0.1488098	0.28223587	2.3017664	21	5 29.3	19.4
124278 2001 QM_{28}	16.2	X	194.06094	179.27818	175.40121	2.43467	0.2540077	0.27400409	2.3476392	21	3 2.8	20.2
124279 2001 QR_{28}	15.7	X	186.44779	27.42479	20.78603	3.10981	0.2253518	0.27761830	2.3272194	21	4 30.7	19.6
124280 2001 QM_{29}	15.9	X	127.03397	324.38395	2.02265	7.76529	0.2529110	0.26182778	2.4198711	21	—	—
124281 2001 QP_{32}	16.3	X	313.59473	105.97957	272.59234	6.30827	0.0924473	0.29791530	2.2202788	21	9 5.3	18.5
124282 2001 QA_{39}	16.6	X	250.45185	208.62054	118.09243	5.28738	0.1963527	0.28310335	2.2970620	21	3 16.5	20.3
124283 2001 QC_{40}	17.2	X	283.09729	271.71202	105.77926	2.22037	0.2095730	0.29280649	2.2460302	21	6 25.3	19.5
124284 2001 QQ_{42}	16.6	X	109.70823	260.39196	112.90560	2.27646	0.1956951	0.26800772	2.3825271	21	—	—
124285 2001 QS_{43}	17.0	X	317.76087	307.75064	51.25400	1.17190	0.2256651	0.29511255	2.2343143	21	7 27.9	18.3
124286 2001 QV_{43}	16.7	X	312.21800	13.06251	353.89966	3.86767	0.1897088	0.29560962	2.2318089	21	8 5.5	18.3
124287 2001 QK_{45}	16.5	X	229.60520	42.13299	341.23444	3.57782	0.1881255	0.28570899	2.2830747	21	5 5.7	20.2
124288 2001 QS_{48}	16.3	X	36.72123	226.12576	153.95109	2.60653	0.2163291	0.25774210	2.4453769	21	—	—
124289 2001 QA_{51}	16.2	X	297.65924	251.92950	94.57489	4.12165	0.1633230	0.29142284	2.2531338	21	6 9.1	18.5
124290 2001 QD_{51}	16.6	X	322.14068	201.83747	100.71182	3.00603	0.2008929	0.29062356	2.2572630	21	5 7.7	18.6
124291 2001 QZ_{51}	16.4	X	201.01782	260.26096	124.36294	7.06726	0.1792723	0.28169139	2.3047315	21	4 16.3	20.1
124292 2001 QE_{53}	16.6	X	150.63870	248.88556	93.46984	2.48809	0.2051333	0.26996824	2.3709784	21	1 6.2	19.7
124293 2001 QQ_{53}	16.5	X	317.15014	277.86231	113.77990	7.41336	0.1669009	0.29794698	2.2201214	21	10 6.9	18.2
124294 2001 QC_{55}	16.6	X	247.66533	195.29635	126.25581	4.82218	0.1808532	0.28104450	2.3082667	21	3 7.8	20.1
124295 2001 QF_{56}	16.1	X	107.03083	282.07413	93.01569	2.41304	0.1196856	0.26798063	2.3826877	21	—	—
124296 2001 QZ_{56}	17.5	X	201.43835	268.81732	58.29518	3.05769	0.2343480	0.27560249	2.3385534	21	2 3.9	21.5
124297 2001 QE_{57}	16.0	X	144.84656	201.76680	128.91969	6.64641	0.1297026	0.26783212	2.3835684	21	—	—
124298 2001 QQ_{57}	16.6	X	349.00921	322.10914	46.38931	2.18040	0.1454161	0.29963100	2.2117951	21	11 5.9	18.2
124299 2001 QJ_{58}	16.6	X	187.46911	264.83192	65.56289	4.31368	0.1751309	0.27321779	2.3521413	21	1 24.8	20.3
124300 2001 QN_{59}	16.1	X	47.65827	247.41269	112.74625	5.69946	0.1826282	0.30677992	2.1772991	21	—	—
124301 2001 QD_{62}	16.7	X	232.25331	149.93683	312.40859	5.74808	0.0628667	0.29646741	2.2275019	21	9 8.6	19.4
124302 2001 QL_{62}	16.8	X	147.18778	116.57100	202.06923	1.80960	0.2147389	0.26681299	2.3896341	21	—	—
124303 2001 QR_{63}	16.7	X	238.10074	154.46041	174.72597	1.99862	0.1701922	0.27962027	2.3160981	21	3 7.6	20.1
124304 2001 QJ_{64}	15.7	X	191.78632	199.04710	157.63569	8.72717	0.1420596	0.27450518	2.3447814	21	2 27.8	19.1
124305 2001 QN_{64}	16.7	X	58.50685	52.02469	326.39190	1.95682	0.1508344	0.30946921	2.1646669	21	—	—
124306 2001 QR_{64}	15.9	X	202.68835	347.51631	31.97820	3.52978	0.1531254	0.27972612	2.3155138	21	4 8.4	19.3
124307 2001 QY_{64}	15.7	X	336.39371	157.55260	126.70589	7.55774	0.1227436	0.28671950	2.2777072	21	5 21.1	18.0
124308 2001 QM_{69}	16.3	X	192.78834	152.69629	271.05151	4.96619	0.1361354	0.28376864	2.2934703	21	5 25.8	19.8
124309 2001 QZ_{69}	16.0	X	287.60216	60.48019	247.01421	4.97812	0.2091591	0.28447444	2.2896752	21	3 22.6	19.3
124310 2001 QS_{72}	15.7	X	83.39009	248.09637	123.69891	8.22935	0.2373833	0.25875600	2.4389848	21	—	—
124311 2001 QO_{73}	16.2	X	327.54557	114.75974	248.14757	2.82408	0.2571905	0.29584556	2.2306221	21	8 25.5	17.0
124312 2001 QT_{73}	16.3	X	205.51534	76.09499	318.85267	2.14129	0.2309411	0.27899482	2.3195583	21	4 28.9	20.2
124313 2001 QX_{73}	16.2	X	168.89000	6.64731	322.41338	1.93645	0.1986200	0.26753302	2.3853446	21	1 7.8	19.7
124314 2001 QF_{74}	15.8	X	135.77723	15.14707	353.67439	2.76920	0.1983434	0.26632891	2.3925288	21	1 23.9	19.0
124315 2001 QY_{77}	16.0	X	105.62059	20.00542	6.92591	4.78795	0.2395687	0.26258690	2.4152051	21	1 16.1	18.6
124316 2001 QX_{78}	15.8	X	358.67027	53.32901	330.28722	2.72186	0.2176463	0.29732451	2.2232190	21	12 30.0	17.7
124317 2001 QS_{80}	16.0	X	186.66061	111.98815	290.07468	6.54381	0.1011671	0.27899353	2.3195654	21	4 17.1	19.4
124318 2001 QZ_{82}	16.0	X	238.08043	97.47002	256.60775	5.30773	0.1812277	0.27980083	2.3151016	21	4 5.5	19.8
124319 2001 QL_{83}	15.5	X	257.68281	29.81556	315.38656	6.76194	0.1371508	0.28161120	2.3051690	21	4 16.1	18.8
124320 2001 QC_{85}	17.3	X	274.29582	219.70911	64.62398	3.16900	0.2120660	0.28214880	2.3022399	21	2 11.2	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124321 2001 QL_{85}	16.0	X	182.15174	211.99593	106.07025	6.69075	0.2391662	0.27137086	2.3628015	21	1 8.5	19.7
124322 2001 QK_{92}	16.4	X	187.00105	132.45719	152.59477	24.02837	0.0810455	0.36940651	1.9236808	21	—	—
124323 2001 QO_{94}	16.6	X	211.52085	35.63723	341.03784	2.69053	0.1660597	0.28017034	2.3130656	21	4 11.6	20.2
124324 2001 QR_{96}	16.8	X	83.98527	30.00512	336.55359	4.23370	0.2182985	0.31011880	2.1616431	21	—	—
124325 2001 QR_{97}	16.1	X	335.99095	42.04559	309.72552	4.58864	0.1737751	0.29407093	2.2395873	21	9 4.9	17.4
124326 2001 QU_{97}	16.2	X	326.71765	86.80469	241.94082	2.78091	0.2379329	0.29061754	2.2572942	21	6 22.3	17.8
124327 2001 QW_{97}	15.8	X	218.24306	18.25866	329.55735	5.87120	0.2497796	0.27728184	2.3291016	21	3 11.2	19.8
124328 2001 QR_{98}	16.3	X	321.68283	144.03136	203.71548	4.09917	0.2828991	0.24455555	2.5325092	21	7 4.2	18.6
124329 2001 QU_{98}	16.0	X	204.78713	192.59988	165.51232	6.52463	0.2943847	0.27830535	2.3233876	21	3 15.6	20.2
124330 2001 QG_{101}	16.4	X	293.34261	143.47320	156.81338	6.57144	0.1537984	0.28558238	2.2837494	21	3 31.3	19.2
124331 2001 QZ_{102}	16.6	X	160.08224	239.60048	122.49042	3.49491	0.2347548	0.27371129	2.3493132	21	2 11.8	20.2
124332 2001 QB_{104}	16.6	X	197.43435	281.33361	109.68718	1.34184	0.2124681	0.27980830	2.3150604	21	4 18.9	20.3
124333 2001 QM_{105}	16.1	X	165.12942	173.73687	207.31091	5.29752	0.1585098	0.27131495	2.3631261	21	3 3.9	19.7
124334 2001 QC_{108}	16.8	X	191.69015	225.57999	83.65838	1.68263	0.2174584	0.27185721	2.3599827	21	1 4.5	20.7
124335 2001 QL_{108}	17.0	X	173.17189	308.05287	4.13197	2.68259	0.2262071	0.26823758	2.3811658	21	—	—
124336 2001 QZ_{109}	16.6	X	253.30099	268.53731	87.08400	4.84418	0.1647458	0.28533090	2.2850911	21	4 27.7	19.8
124337 2001 QC_{110}	16.1	X	147.51413	307.36069	107.79262	6.39933	0.2315865	0.27626707	2.3348016	21	4 10.2	19.8
124338 2001 QE_{110}	16.7	X	258.13437	20.06898	350.81310	3.37541	0.1332113	0.28963241	2.2624098	21	5 24.7	19.8
124339 2001 QV_{111}	15.9	X	228.18314	334.96841	343.34866	1.56965	0.2480429	0.27446346	2.3450190	21	2 13.0	20.0
124340 2001 QM_{112}	16.8	X	358.63535	19.02063	231.35717	6.15077	0.2305555	0.28944476	2.2633876	21	4 24.9	18.2
124341 2001 QT_{114}	16.2	X	198.36384	34.46951	292.74555	6.38480	0.1318648	0.27388229	2.3483352	21	1 27.2	19.6
124342 2001 QL_{116}	16.2	X	247.43757	12.87562	279.32942	5.88078	0.1161446	0.27577285	2.3375902	21	1 30.9	19.6
124343 2001 QF_{117}	16.1	X	3.29479	63.17705	279.52703	6.14607	0.1701923	0.29741294	2.2227783	21	10 24.5	18.0
124344 2001 QL_{117}	15.8	X	209.32335	350.04377	302.53592	6.94823	0.1148231	0.26953956	2.3734916	21	—	—
124345 2001 QP_{117}	16.0	X	245.18230	13.61842	308.99655	5.67256	0.2318908	0.27913504	2.3187814	21	3 1.4	19.9
124346 2001 QC_{118}	16.2	X	209.10732	50.01784	294.31741	6.24357	0.1498401	0.27713149	2.3299439	21	2 26.1	19.8
124347 2001 QP_{119}	16.1	X	78.72878	264.36293	351.23894	6.63290	0.1102087	0.29992659	2.2103416	21	10 5.9	18.8
124348 2001 QF_{120}	15.9	X	198.40657	45.12093	19.63942	4.82251	0.1527731	0.28447351	2.2896802	21	6 1.2	19.4
124349 2001 QX_{120}	16.2	X	206.71699	43.95959	335.61451	6.47144	0.1543800	0.28277452	2.2988424	21	4 8.9	19.8
124350 2001 QX_{122}	16.6	X	141.51972	152.66571	101.25954	2.45994	0.1267609	0.30897004	2.1669978	21	12 15.5	19.6
124351 2001 QF_{124}	15.9	X	190.30191	53.44260	353.95554	7.61798	0.0920204	0.28315677	2.2967730	21	4 28.2	19.2
124352 2001 QD_{126}	16.2	X	204.70185	176.02650	193.32188	6.79017	0.2702013	0.28037908	2.3119174	21	3 28.0	20.1
124353 2001 QC_{127}	16.5	X	193.11197	99.86476	241.60738	6.46681	0.1391822	0.27613057	2.3355709	21	2 6.8	20.1
124354 2001 QM_{127}	16.3	X	230.16329	113.11843	245.18572	6.01582	0.1492330	0.28300702	2.2975832	21	4 4.8	19.9
124355 2001 QW_{128}	16.2	X	196.93430	112.48351	279.75845	6.11900	0.1475093	0.28196676	2.3032307	21	4 15.9	19.9
124356 2001 QA_{129}	16.1	X	120.41981	195.41896	193.38516	7.03052	0.1556053	0.27071000	2.3666454	21	1 21.2	19.1
124357 2001 QH_{129}	15.6	X	123.25205	258.79844	162.10502	21.97579	0.2956937	0.27299286	2.3534331	21	4 1.1	19.2
124358 2001 QA_{131}	16.0	X	285.76521	22.02219	282.42684	6.57296	0.1235984	0.28416611	2.2913311	21	3 26.2	19.2
124359 2001 QV_{131}	16.5	X	214.50062	89.65004	231.32462	5.98149	0.1236694	0.27602916	2.3361429	21	2 2.0	20.1
124360 2001 QR_{133}	16.0	X	232.03824	68.80018	248.92740	5.22058	0.1825992	0.27821210	2.3239068	21	2 13.6	19.9
124361 2001 QW_{133}	16.5	X	298.53678	75.96982	250.48794	5.70653	0.0956644	0.28785141	2.2717323	21	5 22.8	19.1
124362 2001 QZ_{134}	16.0	X	313.10764	347.24062	300.14818	6.74896	0.1198187	0.28318255	2.2966336	21	4 9.6	18.8
124363 2001 QM_{136}	15.8	X	255.70233	33.11810	316.03922	9.93596	0.2687245	0.28258294	2.2998813	21	4 6.1	19.7
124364 2001 QB_{138}	16.3	X	201.93086	60.29844	276.00013	4.51426	0.2577969	0.27337415	2.3512443	21	2 13.5	20.5
124365 2001 QL_{138}	15.9	X	246.35347	19.88549	328.55643	6.49964	0.1367324	0.27909338	2.3190122	21	4 8.8	19.3
124366 2001 QV_{140}	15.6	X	75.14780	36.05817	305.04477	8.35530	0.2459103	0.25591643	2.4569931	21	—	—
124367 2001 QD_{142}	15.9	X	115.08450	352.15141	73.69403	3.37569	0.2027270	0.26947358	2.3738790	21	3 16.2	19.0
124368 2001 QT_{142}	15.8	X	206.54066	189.39760	192.76379	5.50083	0.1875913	0.28040025	2.3118010	21	4 15.3	19.6
124369 2001 QS_{147}	15.6	X	254.12134	240.24140	87.75137	7.34596	0.2384243	0.27917068	2.3185841	21	3 20.8	19.4
124370 2001 QX_{149}	15.8	X	43.40626	282.97974	154.47558	9.15675	0.2047938	0.26107752	2.4245049	21	—	—
124371 2001 QJ_{152}	16.3	X	206.63622	246.46023	159.65149	5.93757	0.1423638	0.28167052	2.3048453	21	5 18.5	19.8
124372 2001 QN_{152}	16.0	X	126.03002	85.21074	299.61516	1.58418	0.1994245	0.26856573	2.3792258	21	2 1.0	19.0
124373 2001 QP_{152}	16.4	X	158.07505	73.41272	262.20087	1.40726	0.1352178	0.26824756	2.3811067	21	—	—
124374 2001 QU_{152}	16.3	X	33.54694	264.07371	325.19529	5.65842	0.1206045	0.28724948	2.2749047	21	6 15.9	18.3
124375 2001 QV_{152}	16.5	X	357.77442	330.30552	316.60134	4.05565	0.1996332	0.29159556	2.2522440	21	7 6.7	17.6
124376 2001 QG_{155}	16.4	X	171.23489	181.81692	278.39827	6.27557	0.1154358	0.28730245	2.2746251	21	6 21.7	19.7
124377 2001 QG_{157}	16.2	X	147.64998	280.95324	288.26209	3.94448	0.0727649	0.30185066	2.2009388	21	10 21.6	19.3
124378 2001 QH_{157}	16.2	X	135.80394	198.45789	166.17796	7.03858	0.1215321	0.27031479	2.3689516	21	1 5.4	19.4
124379 2001 QY_{158}	16.6	X	232.49753	92.80924	319.87532	3.42078	0.1184140	0.28876859	2.2669194	21	6 24.5	19.8
124380 2001 QK_{161}	16.7	X	200.76315	48.41201	353.05488	3.15822	0.2294337	0.28224945	2.3016926	21	5 3.1	20.6
124381 2001 QB_{164}	15.7	X	41.19046	38.33470	117.42540	9.71865	0.0443179	0.27358028	2.3500631	21	3 8.7	18.4
124382 2001 QX_{165}	16.3	X	223.88987	328.30843	14.37688	7.60722	0.1451269	0.28040055	2.3117994	21	3 13.9	19.8
124383 2001 QF_{167}	16.9	X	70.28307	315.33246	49.13904	2.26177	0.1776700	0.26100923	2.4249278	21	—	—
124384 2001 QE_{168}	17.2	X	137.55690	197.98387	122.00060	0.23035	0.0953370	0.31674717	2.1313800	21	—	—
124385 2001 QC_{174}	15.4	X	256.79818	192.61859	219.28452	3.84704	0.1129482	0.23693930	2.5864931	21	7 22.5	19.0
124386 2001 QJ_{175}	16.3	X	354.16552	251.91222	151.59903	4.14591	0.1986273	0.25445700	2.4663788	21	—	—
124387 2001 QB_{178}	15.8	X	217.16415	309.64820	73.05952	8.48450	0.1970455	0.28020729	2.3128622	21	4 27.5	19.5
124388 2001 QN_{178}	16.3	X	22.44812	195.60220	74.69629	7.84447	0.1836710	0.29442834	2.2377744	21	8 13.9	18.1
124389 2001 QG_{179}	16.1	X	268.66324	50.06350	330.86131	6.74129	0.1491292	0.28649144	2.2789158	21	6 20.5	19.1
124390 2001 QU_{179}	16.1	X	202.25379	259.33593	69.25527	3.02744	0.2194509	0.27473066	2.3434982	21	2 6.0	19.9
124391 2001 QX_{179}	15.9	X	274.52775	215.83212	52.57303	7.17933	0.1429112	0.27757988	2.3274341	21	1 30.1	19.3
124392 2001 QZ_{181}	15.7	X	174.62411	261.99491	104.48835	7.37465	0.1383567	0.27341152	2.3510301	21	2 25.5	19.2
124393 2001 QM_{186}	16.6	X	261.54772	330.62750	291.26885	1.82505	0.1412099	0.27531486	2.3401819	21	1 7.1	19.9
124394 2001 QF_{187}	16.2	X	118.89413	3.42914	24.20346	1.81723	0.1807413	0.27116037	2.3640241	21	1 23.8	19.0
124395 2001 QA_{189}	16.4	X	150.47563	92.78965	345.77120	6.45651	0.0740356	0.28285367	2.2984135	21	4 22.7	19.5
124396 2001 QJ_{189}	16.0	X	167.21408	225.72746	193.28711	22.57761	0.1627185	0.28017880	2.3130190	21	4 26.9	19.6
124397 2001 QR_{190}	16.9	X	225.56600	37.87177	216.95736	2.26798	0.0872323	0.32052922	2.1145809	21	—	—
124398 2001 QK_{197}	14.7	X	239.72613	7.25843	335.75250	2.29673	0.1063668	0.18122849	3.0925619	21	4 8.4	19.4
124399 2001 QN_{197}	16.2	X	186.73020	140.71385	289.68087	9.00475	0.1733486	0.28062882	2.3105456	21	5 28.4	19.9
124400 2001 QB_{198}	15.2	X	41.97449	239.44561	336.98288	6.46451	0.0601322	0.28075286	2.3098650	21	6 3.4	17.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124401 2001 QF_{198}	15.4	X	145.21882	80.48067	275.56565	3.80394	0.1175597	0.26529002	2.3987709	21	1 7.0	18.3
124402 2001 QQ_{198}	16.2	X	277.17360	15.88877	341.14998	4.02167	0.2057347	0.28437810	2.2901923	21	5 18.6	19.2
124403 2001 QZ_{204}	16.3	X	324.04456	100.33586	273.16056	4.91580	0.0999325	0.29694687	2.2251035	21	9 17.3	18.4
124404 2001 QR_{205}	17.4	X	295.40290	86.55936	199.01336	2.02473	0.1653290	0.28369445	2.2938701	21	3 10.1	20.3
124405 2001 QN_{206}	17.2	X	77.37933	188.86203	150.78705	1.78394	0.1858102	0.30883024	2.1676517	21	—	—
124406 2001 QO_{206}	17.3	X	281.92219	245.87827	146.92962	2.66679	0.1671168	0.29268788	2.2466369	21	7 23.8	19.9
124407 2001 QS_{206}	15.9	X	82.42998	336.74017	128.99658	2.63301	0.1652668	0.27503615	2.3417626	21	3 15.9	18.3
124408 2001 QN_{208}	16.6	X	298.60217	53.87628	356.90443	7.33683	0.1168200	0.29813675	2.2191792	21	9 28.7	18.6
124409 2001 QP_{211}	16.5	X	156.85092	109.51385	299.71600	2.04819	0.1541458	0.27638170	2.3341559	21	3 31.5	19.9
124410 2001 QW_{211}	16.1	X	192.83569	106.77487	338.98629	6.53999	0.1434695	0.28619075	2.2805118	21	6 25.3	19.5
124411 2001 QD_{212}	16.6	X	187.10379	176.51917	159.58335	2.48883	0.1460316	0.27301142	2.3533265	21	1 28.4	20.0
124412 2001 QR_{213}	16.0	X	310.63235	252.84768	171.25154	5.18495	0.1585031	0.29964837	2.2117096	21	11 14.0	17.5
124413 2001 QD_{214}	16.3	X	115.19243	167.23291	275.12197	1.29124	0.1063277	0.27616825	2.3353585	21	3 20.4	19.1
124414 2001 QM_{214}	17.0	X	62.08937	96.53494	341.47096	12.47669	0.2334229	0.26618947	2.3933643	21	1 1.1	18.9
124415 2001 QA_{219}	15.6	X	147.91423	147.29664	338.25860	25.94211	0.2116918	0.28618880	2.2805221	21	7 14.9	19.8
124416 2001 QV_{223}	16.3	X	52.76141	210.97193	152.51362	3.87617	0.1916380	0.25922977	2.4360123	21	—	—
124417 2001 QW_{223}	16.5	X	262.77487	28.89964	285.14398	6.34984	0.1231595	0.28299777	2.2976332	21	3 12.6	19.9
124418 2001 QL_{224}	16.7	X	295.04800	27.30926	313.26199	2.99015	0.0851107	0.29184667	2.2509519	21	6 9.3	19.1
124419 2001 QT_{229}	16.1	X	194.76808	127.49336	241.27618	3.93001	0.1515384	0.27748909	2.3279418	21	3 15.9	19.8
124420 2001 QM_{230}	16.3	X	38.18177	342.72560	239.81665	5.72573	0.0650743	0.28778091	2.2721032	21	6 7.9	18.5
124421 2001 QM_{233}	16.9	X	241.46695	300.35620	323.44127	1.66027	0.2010672	0.27284756	2.3542685	21	—	—
124422 2001 QL_{234}	16.4	X	295.02312	57.00117	348.45374	5.00545	0.1233775	0.29510391	2.2343579	21	9 12.8	18.6
124423 2001 QE_{235}	16.9	X	76.81286	56.33048	333.61598	0.71702	0.1746798	0.26278705	2.4139786	21	—	—
124424 2001 QL_{237}	17.0	X	295.74611	43.81864	359.17136	5.03319	0.2941809	0.24322514	2.5417358	21	8 7.6	19.7
124425 2001 QU_{238}	15.7	X	57.52264	87.18628	352.28343	14.51103	0.1490668	0.26533110	2.3985233	21	—	—
124426 2001 QE_{239}	17.2	X	160.97898	66.81457	327.16802	1.99118	0.1610782	0.27622041	2.3350644	21	3 17.1	20.4
124427 2001 QW_{239}	16.2	X	298.16049	47.17598	262.58937	2.79603	0.1998452	0.28546419	2.2843797	21	4 9.6	19.0
124428 2001 QU_{241}	16.1	X	215.56623	326.83526	359.94016	5.60119	0.1565647	0.27556880	2.3387440	21	2 14.5	19.8
124429 2001 QX_{242}	16.4	X	212.22968	267.44070	159.76942	5.63465	0.1314593	0.28561473	2.2835769	21	6 20.7	19.8
124430 2001 QE_{246}	16.2	X	153.37512	235.89851	160.65194	5.95315	0.1985313	0.27279774	2.3545552	21	3 17.9	19.6
124431 2001 QD_{247}	15.9	X	159.82232	164.84893	169.54237	5.77434	0.2335053	0.26780693	2.3837178	21	1 8.2	19.5
124432 2001 QJ_{247}	16.1	X	147.87179	268.66806	89.88414	2.20837	0.2088590	0.26814841	2.3816937	21	1 24.8	19.6
124433 2001 QM_{247}	15.9	X	89.41307	209.61079	170.52059	9.01251	0.1458075	0.26184523	2.4197636	21	—	—
124434 2001 QR_{247}	16.7	X	263.55679	233.02552	168.18837	6.52621	0.1765609	0.28805481	2.2706627	21	7 7.9	19.7
124435 2001 QS_{247}	16.4	X	151.10172	296.53358	45.66566	3.08609	0.2095923	0.26698521	2.3886063	21	1 7.9	19.7
124436 2001 QG_{248}	15.9	X	303.82779	351.57181	31.73177	6.27541	0.1171626	0.29168120	2.2518032	21	8 29.3	18.1
124437 2001 QN_{248}	15.6	X	31.63521	59.01032	20.87790	8.65120	0.0906188	0.26047390	2.4282491	21	—	—
124438 2001 QV_{248}	15.7	X	61.23829	17.63326	37.66603	7.04386	0.1056447	0.26155018	2.4215831	21	—	—
124439 2001 QG_{249}	16.9	X	327.56336	24.93916	356.03139	5.29859	0.1811174	0.29574275	2.2311391	21	10 6.6	18.2
124440 2001 QB_{257}	16.1	X	133.35823	205.61027	144.44347	7.85751	0.1346177	0.26601055	2.3944373	21	—	—
124441 2001 QN_{258}	16.3	X	247.22793	222.67302	93.38510	3.70522	0.1859136	0.27913856	2.3187619	21	2 28.6	19.9
124442 2001 QY_{259}	16.0	X	295.38703	203.06876	85.20316	4.69585	0.1613423	0.28202231	2.3029282	21	3 17.8	19.0
124443 2001 QQ_{260}	16.3	X	273.64147	57.71382	264.49608	5.60745	0.1995678	0.28333471	2.2958113	21	3 27.6	19.7
124444 2001 QF_{261}	15.9	X	300.31623	15.00716	272.32594	6.36153	0.0646093	0.28105954	2.3081843	21	3 31.6	18.8
124445 2001 QG_{262}	16.5	X	113.02576	198.56272	257.39192	6.90399	0.1798026	0.27502251	2.3418400	21	4 14.9	19.7
124446 2001 QJ_{262}	16.0	X	274.22852	24.53743	248.73509	6.82287	0.0893659	0.27597791	2.3364321	21	2 5.3	19.2
124447 2001 QA_{263}	16.2	X	111.21682	205.31204	240.77531	1.89974	0.1314417	0.27449343	2.3448483	21	3 24.2	19.1
124448 2001 QC_{263}	16.5	X	51.12345	138.28733	250.93559	1.60744	0.2029529	0.25869228	2.4393853	21	—	—
124449 2001 QZ_{263}	15.6	X	150.50701	323.26665	47.28504	6.84283	0.1757062	0.26821345	2.3813086	21	2 10.5	19.1
124450 2001 QN_{264}	16.1	X	171.78559	345.82534	35.56356	10.66773	0.2418731	0.27338773	2.3511664	21	3 21.7	20.0
124451 2001 QU_{269}	16.7	X	252.48823	223.83217	141.54856	5.93681	0.1896062	0.28814711	2.2701778	21	5 7.8	20.1
124452 2001 QA_{270}	16.7	X	212.69070	169.88921	170.24276	2.96714	0.1911888	0.27961203	2.3161436	21	2 26.3	20.3
124453 2001 QM_{270}	16.5	X	38.47275	215.07214	78.57761	3.18015	0.0865280	0.30006845	2.2096449	21	10 3.2	18.7
124454 2001 QG_{271}	16.6	X	46.38783	157.94729	173.70316	4.16999	0.1363018	0.25570247	2.4583635	21	12 5.6	19.7
124455 2001 QX_{272}	16.7	X	314.46323	10.51088	14.56923	6.05522	0.1379385	0.29711740	2.2242520	21	9 18.7	18.4
124456 2001 QC_{278}	16.4	X	266.70939	243.91579	83.41193	6.43227	0.1896931	0.28340043	2.2954564	21	4 3.7	19.8
124457 2001 QE_{280}	16.4	X	342.58851	255.03055	74.00014	5.74448	0.1944942	0.29436744	2.2380831	21	8 16.2	17.7
124458 2001 QU_{282}	16.3	X	217.61668	250.34328	65.07638	7.51307	0.1325109	0.27530018	2.3402651	21	2 2.9	19.9
124459 2001 QE_{284}	16.5	X	103.32982	317.02602	27.40681	1.05466	0.2121396	0.26263359	2.4149188	21	—	—
124460 2001 QM_{292}	15.8	X	276.71773	16.10589	6.46574	6.53411	0.1789650	0.28596338	2.2817205	21	6 29.5	18.7
124461 2001 QE_{295}	16.3	X	126.21498	105.99866	310.55815	1.39074	0.2084847	0.27048149	2.3679781	21	3 15.3	19.6
124462 2001 QG_{295}	15.7	X	143.58338	23.39026	3.57274	7.28850	0.1257224	0.27019377	2.3696589	21	2 16.9	18.9
124463 2001 QQ_{295}	16.0	X	297.55385	209.13282	226.30617	1.63634	0.2048620	0.24560219	2.5253092	21	10 12.9	18.6
124464 2001 QV_{295}	16.8	X	39.01231	18.07760	354.17687	4.27862	0.1527570	0.30386749	2.1911893	21	—	—
124465 2001 QF_{296}	16.0	X	205.84232	18.05126	3.75007	7.37312	0.1267585	0.27789531	2.3256726	21	4 12.7	19.5
124466 2001 QF_{327}	16.3	X	329.26254	190.23543	63.88728	7.21999	0.2387824	0.28537239	2.2848696	21	3 4.9	18.9
124467 2001 QW_{327}	16.4	X	240.61367	324.02279	55.82602	5.48369	0.1699472	0.28662742	2.2781950	21	5 14.6	19.8
124468 2001 QB_{329}	16.4	X	141.48308	304.69968	153.62687	7.21487	0.0523528	0.28508125	2.2864249	21	5 11.5	19.4
124469 2001 QA_{330}	16.3	X	230.03015	208.35848	66.72867	5.81687	0.1248442	0.27240771	2.3568021	21	—	—
124470 2001 RL_{4}	16.6	X	268.05878	80.43335	311.14118	6.80278	0.1198749	0.29117074	2.2544342	21	7 10.5	19.3
124471 2001 RD_{5}	16.1	X	219.95385	151.96657	198.96326	4.11877	0.1523044	0.27901691	2.3194358	21	3 18.2	19.5
124472 2001 RJ_{5}	17.0	X	252.62247	74.22432	254.36749	2.00246	0.1795123	0.28141487	2.3062410	21	3 18.9	20.4
124473 2001 RB_{6}	15.4	X	45.38397	155.69347	263.54195	19.47792	0.0955462	0.26121684	2.4236427	21	—	—
124474 2001 RQ_{6}	16.0	X	239.34421	236.36834	185.12040	9.14273	0.1575967	0.28763373	2.2728783	21	7 9.1	19.4
124475 2001 RX_{6}	16.1	X	76.93361	18.02585	17.70890	2.80968	0.1813944	0.26204469	2.4185355	21	—	—
124476 2001 RB_{7}	16.4	X	290.71783	347.04718	23.00531	4.82280	0.1966737	0.23942953	2.5685276	21	6 28.7	19.6
124477 2001 RD_{7}	16.1	X	222.19893	43.37079	24.10396	6.49905	0.1244963	0.28586773	2.2822294	21	7 3.1	19.5
124478 2001 RG_{12}	16.5	X	50.79170	296.65932	102.61907	2.26060	0.2039001	0.26206019	2.4184402	21	—	—
124479 2001 RA_{13}	16.5	X	95.66630	160.24444	228.04346	2.14810	0.1802965	0.26524496	2.3990426	21	—	—
124480 2001 RP_{13}	16.5	X	298.04209	205.75835	248.53482	2.71045	0.1344999	0.30179447	2.2012119	21	12 6.3	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124481 2001 RZ_{18}	16.0	X	236.14726	112.13915	313.80419	4.52035	0.0953246	0.29159466	2.2522487	21	7 20.9	18.9
124482 2001 RM_{21}	16.3	X	6.93937	68.73790	143.82187	4.76685	0.0956777	0.28287473	2.2982995	21	3 29.7	18.4
124483 2001 RS_{23}	16.8	X	230.43295	252.96425	149.28503	4.49222	0.1663102	0.28654452	2.2786344	21	6 4.3	20.3
124484 2001 RT_{24}	16.9	X	333.66817	51.65871	352.13475	0.16076	0.1662304	0.30074962	2.2063072	21	12 2.7	18.1
124485 2001 RF_{25}	17.3	X	165.07368	144.52671	201.17845	0.67698	0.2047440	0.27142517	2.3624863	21	1 24.2	20.9
124486 2001 RG_{25}	16.4	X	351.26124	330.26442	300.45097	2.42301	0.1049740	0.28854383	2.2680964	21	5 27.1	18.3
124487 2001 RT_{27}	16.1	X	8.61255	104.57200	152.97579	6.81607	0.0939998	0.28828356	2.2694614	21	6 11.3	18.3
124488 2001 RU_{35}	16.6	X	248.65522	70.40405	294.84760	3.80434	0.1509980	0.28541724	2.2846302	21	5 3.6	20.0
124489 2001 RB_{36}	16.3	X	36.71716	63.34749	260.09806	2.73865	0.1941117	0.30171954	2.2015764	21	11 29.0	18.8
124490 2001 RF_{36}	16.3	X	230.37563	321.45518	310.32188	5.75266	0.1087598	0.27217369	2.3581529	21	—	—
124491 2001 RE_{38}	17.2	X	105.98346	55.29212	344.24177	0.90198	0.1841613	0.26827411	2.3809496	21	1 22.3	19.8
124492 2001 RO_{38}	15.9	X	255.35782	254.23201	193.91894	3.38883	0.1281878	0.24538028	2.5268315	21	9 6.6	19.2
124493 2001 RT_{43}	16.1	X	30.38926	214.82118	201.46008	5.57882	0.1035583	0.26005137	2.4308787	21	—	—
124494 2001 RE_{44}	15.8	X	241.80828	323.59405	124.11746	5.90313	0.1126001	0.28982671	2.2613985	21	8 27.1	18.5
124495 2001 RR_{44}	15.9	X	74.60303	257.35177	103.44570	3.61181	0.2006006	0.25616461	2.4554059	21	—	—
124496 2001 RS_{44}	16.2	X	105.00158	346.19872	46.15714	1.67522	0.1653842	0.26673397	2.3901060	21	1 8.2	18.6
124497 2001 RF_{45}	15.1	X	57.40063	257.73629	156.30785	7.43053	0.1391630	0.25971392	2.4329838	21	—	—
124498 2001 RS_{45}	17.0	X	228.40511	310.49472	42.16636	3.23562	0.1979151	0.27956978	2.3163769	21	3 28.6	20.6
124499 2001 RK_{46}	16.0	X	264.30114	313.07529	26.29838	3.61254	0.3094157	0.28242137	2.3007584	21	4 3.5	19.9
124500 2001 RL_{49}	16.6	X	224.62650	228.82440	206.60495	4.60759	0.1477480	0.28854068	2.2681130	21	7 13.3	20.0
124501 2001 RO_{49}	16.1	X	269.76625	257.00100	183.64917	6.21004	0.1160400	0.24623806	2.5209598	21	9 18.6	19.2
124502 2001 RP_{49}	16.3	X	115.36070	244.95293	181.58773	5.71628	0.0928902	0.27346254	2.3507376	21	2 24.8	19.3
124503 2001 RK_{51}	15.5	X	170.48303	223.58019	147.98217	21.68763	0.1286580	0.27363088	2.3497734	21	2 25.1	18.8
124504 2001 RL_{54}	16.6	X	223.87273	254.34365	161.79098	4.35361	0.1392374	0.28565485	2.2833631	21	6 17.7	19.9
124505 2001 RO_{58}	16.2	X	128.89892	6.22593	82.77723	3.29868	0.1732123	0.27708645	2.3301964	21	4 27.2	19.3
124506 2001 RN_{62}	16.1	X	87.24261	345.81000	63.39526	8.07033	0.0999022	0.26691641	2.3890167	21	—	—
124507 2001 RU_{64}	16.5	X	195.34339	41.54897	255.88902	4.71679	0.1993869	0.26961192	2.3730670	21	—	—
124508 2001 RY_{64}	16.4	X	272.02446	83.38397	236.37587	6.04807	0.1369759	0.28212172	2.3023872	21	3 30.6	19.6
124509 2001 RM_{65}	15.8	X	236.56986	297.75281	312.92209	5.81152	0.2377489	0.26932563	2.3747483	21	—	—
124510 2001 RN_{65}	16.3	X	20.99759	263.03549	236.25455	5.64688	0.0826313	0.26941011	2.3742519	21	1 7.0	18.8
124511 2001 RX_{65}	15.7	X	87.67948	141.87661	278.71310	4.55540	0.1873194	0.26659246	2.3909517	21	1 21.7	17.9
124512 2001 RK_{67}	15.4	X	315.11063	45.63034	207.58999	10.27106	0.1876521	0.27946819	2.3169383	21	2 13.4	18.7
124513 2001 RN_{68}	16.5	X	243.49031	118.03069	313.93156	6.19546	0.0615081	0.29021353	2.2593887	21	8 12.5	19.3
124514 2001 RE_{69}	15.8	X	263.64796	51.96662	337.44508	6.91993	0.1148085	0.28767053	2.2726844	21	7 2.1	18.7
124515 2001 RJ_{69}	16.4	X	317.95954	193.35848	230.89724	4.62542	0.1405827	0.29887881	2.2155045	21	11 29.5	18.0
124516 2001 RO_{71}	16.6	X	335.09383	358.13395	319.87102	2.37013	0.1529549	0.28989324	2.2610525	21	7 7.6	18.2
124517 2001 RC_{72}	16.5	X	274.64595	89.14617	298.58917	4.34754	0.1395602	0.28856630	2.2679787	21	7 10.4	19.1
124518 2001 RU_{73}	16.4	X	119.99369	234.29252	279.67112	5.00523	0.0988708	0.28475536	2.2881691	21	7 5.3	19.1
124519 2001 RT_{75}	16.4	X	150.91980	332.84556	46.36569	4.65560	0.2418136	0.26948107	2.3738351	21	2 27.6	20.0
124520 2001 RX_{75}	16.1	X	143.05657	61.27251	16.91282	4.79673	0.2126102	0.27387929	2.3483523	21	4 29.9	19.6
124521 2001 RC_{77}	16.3	X	222.32652	321.00714	74.04331	7.11162	0.1645882	0.28013803	2.3132434	21	5 17.8	19.7
124522 2001 RN_{77}	16.0	X	291.96644	208.03146	152.33479	5.45187	0.1831397	0.28603977	2.2813142	21	6 17.9	18.6
124523 2001 RL_{78}	16.3	X	116.84426	48.49243	336.46986	3.07104	0.2439217	0.26574067	2.3960582	21	1 28.5	19.1
124524 2001 RB_{80}	15.6	X	125.19997	192.68124	291.38272	3.05911	0.1066314	0.28156353	2.3054291	21	5 31.1	18.6
124525 2001 RE_{81}	16.1	X	129.03022	63.64362	297.86443	2.36842	0.1964839	0.26650351	2.3914837	21	1 5.4	19.2
124526 2001 RG_{83}	16.4	X	249.87051	36.98443	254.10045	3.45964	0.0749306	0.27591714	2.3367751	21	2 3.3	19.7
124527 2001 RR_{84}	16.2	X	244.09019	298.29749	327.36699	5.46248	0.1067232	0.27240390	2.3568241	21	—	—
124528 2001 RX_{86}	16.7	X	60.91843	77.22389	342.23930	1.60914	0.1775978	0.26294486	2.4130126	21	—	—
124529 2001 RL_{88}	16.2	X	204.07502	232.22861	61.82532	3.08147	0.2021595	0.27048719	2.3679448	21	—	—
124530 2001 RN_{89}	16.3	X	152.30265	283.68474	17.86480	6.36998	0.1353533	0.26363903	2.4087750	21	—	—
124531 2001 RO_{90}	16.5	X	256.45366	346.58909	69.55378	5.20700	0.1307239	0.29074940	2.2566117	21	7 29.4	19.3
124532 2001 RB_{91}	16.8	X	286.30336	353.56256	59.22785	2.22337	0.1787074	0.29387542	2.2405804	21	8 31.1	18.9
124533 2001 RT_{91}	16.4	X	240.19979	249.98307	160.60700	2.87176	0.1576425	0.28764713	2.2728076	21	6 26.2	19.5
124534 2001 RF_{94}	17.0	X	58.12448	3.61407	344.02663	1.30725	0.1586902	0.30519897	2.1848117	21	—	—
124535 2001 RJ_{94}	16.1	X	289.06020	199.35374	208.79883	2.02833	0.1499618	0.24299901	2.5433124	21	8 26.8	19.0
124536 2001 RP_{94}	16.1	X	116.49785	77.53535	305.16125	1.93643	0.1662213	0.26655184	2.3911946	21	1 12.1	18.9
124537 2001 RC_{95}	16.2	X	102.88870	86.61251	314.15854	4.18787	0.1622658	0.26684519	2.3894419	21	1 16.2	18.6
124538 2001 RC_{96}	16.1	X	4.82506	18.73643	148.74798	3.10081	0.1018318	0.27068903	2.3667676	21	1 18.5	18.5
124539 2001 RD_{96}	16.3	X	310.12878	207.27295	173.94457	9.31062	0.0731415	0.24317198	2.5421062	21	9 2.4	19.4
124540 2001 RY_{97}	16.3	X	6.39712	238.15356	305.21536	1.20346	0.1467918	0.27336138	2.3513175	21	2 7.1	18.3
124541 2001 RC_{98}	16.6	X	353.83511	183.05752	0.06921	4.57301	0.1264350	0.27159393	2.3615076	21	1 20.8	19.1
124542 2001 RP_{99}	16.7	X	117.35217	287.56072	135.20762	5.16941	0.2116208	0.27337399	2.3512452	21	3 15.4	19.7
124543 2001 RO_{101}	16.3	X	109.36615	307.92907	89.60685	2.21639	0.1395733	0.26938196	2.3744173	21	1 17.2	18.8
124544 2001 RV_{108}	17.1	X	235.44523	57.91384	39.78321	1.20839	0.1717542	0.29370100	2.2414674	21	8 24.7	19.9
124545 2001 RZ_{108}	17.6	X	170.86705	290.51205	116.29680	0.84876	0.2201017	0.27803293	2.3249051	21	4 16.5	21.2
124546 2001 RA_{112}	16.6	X	63.73103	332.28010	133.47784	2.73195	0.1742994	0.27126518	2.3634152	21	2 8.9	18.4
124547 2001 RG_{121}	16.9	X	143.99747	258.02207	71.08502	2.30428	0.1990887	0.26656471	2.3911177	21	—	—
124548 2001 RT_{126}	16.2	X	162.54461	217.30646	142.67084	7.73702	0.1299552	0.27201067	2.3590950	21	2 1.0	19.5
124549 2001 RQ_{130}	16.6	X	72.30596	343.84411	126.50735	2.19294	0.1403148	0.27262553	2.3555466	21	2 28.7	18.7
124550 2001 RQ_{131}	16.5	X	13.80350	307.58501	92.91757	1.94189	0.1547452	0.30513358	2.1851238	21	—	—
124551 2001 RS_{132}	15.7	X	153.23182	258.24924	116.16374	5.28087	0.0883636	0.27231789	2.3573203	21	2 5.1	18.7
124552 2001 RE_{134}	16.0	X	77.78012	326.68031	140.39606	5.47464	0.1257710	0.27277824	2.3546674	21	3 3.9	18.4
124553 2001 RW_{134}	16.6	X	272.76475	294.80599	120.59031	5.88711	0.0850500	0.29333801	2.2433162	21	8 29.6	19.0
124554 2001 RO_{136}	15.9	X	48.94090	275.94158	119.57520	5.61787	0.1149073	0.25953985	2.4340716	21	—	—
124555 2001 RV_{136}	16.8	X	214.75879	185.06530	77.12655	4.54939	0.1796092	0.31761267	2.1275062	21	—	—
124556 2001 RK_{137}	16.0	X	212.48992	130.22199	136.62061	2.80454	0.1937686	0.26783335	2.3835610	21	—	—
124557 2001 RD_{139}	15.8	X	301.63476	40.18859	79.41632	3.30115	0.1593296	0.25632152	2.4544037	21	—	—
124558 2001 RJ_{151}	16.0	X	194.64599	286.08688	60.49255	7.00835	0.1556444	0.27462481	2.3441004	21	2 21.7	19.7
124559 2001 RR_{152}	16.4	X	346.27381	223.91452	78.62513	4.55063	0.1628374	0.29138502	2.2533288	21	7 5.9	17.8
124560 2001 RP_{154}	16.1	X	76.04449	5.83870	138.17188	4.19254	0.1208168	0.27803123	2.3249145	21	4 24.2	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124561 2001 ST	16.0	X	223.94939	42.17404	297.45106	8.39488	0.2347316	0.27853460	2.3221127	21	3 3.5	20.1
124562 2001 SU	15.0	X	219.89036	149.15039	210.23207	11.83563	0.2711665	0.22968250	2.6406902	21	3 29.2	19.7
124563 2001 SO_1	17.4	X	89.53366	356.36922	345.10235	2.79835	0.1406039	0.30879912	2.1677974	21	—	—
124564 2001 SS_1	16.9	X	186.40214	160.39364	230.57402	2.00114	0.1532701	0.27745392	2.3281385	21	4 6.7	20.3
124565 2001 SD_2	16.7	X	224.17765	93.41268	336.60987	3.40882	0.0879279	0.28774918	2.2722703	21	7 12.4	19.7
124566 2001 SN_2	15.9	X	72.02457	16.71104	63.71577	2.33710	0.1610140	0.26617992	2.3934215	21	1 18.8	17.9
124567 2001 SO_2	16.5	X	92.86118	350.15638	0.07021	1.05677	0.1901860	0.26031053	2.4292650	21	—	—
124568 2001 SV_2	16.4	X	249.67191	224.19666	62.04837	2.85383	0.1983711	0.27450987	2.3447546	21	1 24.3	20.3
124569 2001 SJ_4	16.1	X	73.97112	46.46352	34.19129	2.57565	0.1826182	0.26707459	2.3880734	21	1 25.9	18.2
124570 2001 SS_4	15.6	X	114.09675	133.06143	21.22144	6.71644	0.0933591	0.28431929	2.2905081	21	6 27.7	18.6
124571 2001 SV_4	16.7	X	357.52685	203.39739	140.66957	6.30950	0.1889440	0.29563541	2.2316791	21	10 23.2	18.4
124572 2001 SX_5	15.8	X	247.14276	267.74133	143.48258	22.58715	0.2653515	0.28590668	2.2820221	21	6 25.7	19.7
124573 2001 SS_9	16.2	X	136.47597	244.00122	221.35040	5.73328	0.0858496	0.27668131	2.3324706	21	5 17.4	19.1
124574 2001 ST_9	16.2	X	33.83723	190.20924	278.63510	1.15755	0.1361693	0.26212172	2.4180617	21	—	—
124575 2001 SJ_{12}	16.5	X	267.60476	89.29064	176.50232	4.83780	0.0773176	0.27501217	2.3418987	21	1 22.0	19.8
124576 2001 SS_{12}	16.8	X	287.62216	276.42282	355.81255	2.80820	0.1905758	0.28024329	2.3126642	21	2 10.7	20.1
124577 2001 SX_{13}	17.2	X	21.76139	345.96206	18.54283	2.19807	0.1708776	0.30259851	2.1973110	21	—	—
124578 2001 SE_{14}	16.1	X	122.36626	131.65065	9.80683	6.03424	0.0918605	0.28494028	2.2871790	21	6 19.4	19.1
124579 2001 SF_{15}	16.4	X	131.68758	236.64926	59.22620	1.45372	0.2097251	0.26138079	2.4226291	21	—	—
124580 2001 SJ_{15}	16.4	X	239.47192	354.08170	14.75582	4.35301	0.1441029	0.28333161	2.2958281	21	4 29.9	19.7
124581 2001 SN_{15}	16.1	X	128.72222	47.71879	16.41590	4.62323	0.1712651	0.27365523	2.3496340	21	3 24.2	19.3
124582 2001 SW_{15}	16.8	X	198.62349	281.36883	150.02386	2.63435	0.1259475	0.28475348	2.2881792	21	6 12.1	20.2
124583 2001 SF_{16}	17.2	X	93.83761	141.68687	165.90620	1.82884	0.0577994	0.30534684	2.1841062	21	12 31.0	20.0
124584 2001 SN_{16}	16.4	X	170.06545	327.55119	122.56411	1.85277	0.1245691	0.28317086	2.2966968	21	6 7.0	19.6
124585 2001 SG_{17}	17.1	X	169.76646	183.44521	155.35735	1.48599	0.1985810	0.27049319	2.3679098	21	1 19.7	20.6
124586 2001 SU_{18}	16.7	X	105.28575	262.66012	166.78343	3.69997	0.1754000	0.27051303	2.3677940	21	3 1.3	19.4
124587 2001 SR_{20}	16.0	X	234.52527	16.00734	45.31773	2.84668	0.1395811	0.23693547	2.5865209	21	7 6.9	19.7
124588 2001 SD_{21}	16.0	X	315.80850	254.84153	81.88550	3.91354	0.1775326	0.23969487	2.5666317	21	6 24.4	18.8
124589 2001 SV_{21}	16.1	X	176.75273	298.00354	85.95550	3.16852	0.2197864	0.27466609	2.3438655	21	3 25.4	20.0
124590 2001 SW_{23}	16.8	X	309.96665	351.55235	314.53713	0.74713	0.2503581	0.28728125	2.2747370	21	4 13.1	19.5
124591 2001 SX_{23}	16.5	X	125.26855	232.40757	187.95047	4.32777	0.2193405	0.27181183	2.3602453	21	3 20.8	19.7
124592 2001 SK_{24}	16.4	X	145.25658	75.99272	340.32762	2.60015	0.1424025	0.27488930	2.3425965	21	3 27.7	19.5
124593 2001 ST_{24}	16.1	X	237.08700	107.72540	215.44002	3.05213	0.1675617	0.27785140	2.3259176	21	2 26.4	19.7
124594 2001 SR_{25}	15.8	X	73.21305	134.05818	9.22208	7.40339	0.0520340	0.27780938	2.3261521	21	4 5.4	18.5
124595 2001 SZ_{25}	16.5	X	296.99905	250.97303	172.00246	5.25003	0.1389617	0.29634157	2.2281324	21	10 14.2	18.2
124596 2001 SG_{26}	15.8	X	330.11661	315.76171	182.35259	12.71980	0.1538231	0.26133421	2.4229170	21	—	—
124597 2001 SY_{26}	15.5	X	140.13799	345.26815	186.04949	15.78913	0.1252133	0.24036735	2.5618424	21	8 19.0	19.6
124598 2001 SN_{27}	17.2	X	304.70562	204.70456	155.54523	1.58861	0.0729229	0.29046199	2.2581000	21	7 27.9	19.4
124599 2001 SR_{28}	16.4	X	112.19100	156.82222	22.20140	7.06470	0.0513338	0.28808997	2.2704780	21	7 27.7	19.3
124600 2001 SX_{28}	16.4	X	211.83092	110.30061	153.91619	2.44278	0.1831322	0.26690990	2.3890556	21	—	—
124601 2001 SM_{29}	16.9	X	355.69254	265.92194	178.02826	2.38669	0.1366294	0.25707458	2.4496082	21	—	—
124602 2001 SW_{30}	16.4	X	160.53191	326.75536	123.53243	1.61239	0.1739093	0.28012527	2.3133137	21	5 30.9	19.9
124603 2001 SZ_{33}	16.2	X	89.05896	262.91460	164.77669	1.85627	0.0890064	0.26822880	2.3812178	21	1 19.8	18.7
124604 2001 SL_{34}	16.0	X	123.46119	257.84881	170.61280	2.71003	0.1529166	0.27242844	2.3566826	21	3 20.8	18.9
124605 2001 SY_{38}	15.2	X	295.33226	290.03313	18.15010	22.76730	0.0014937	0.28095425	2.3087610	21	4 30.0	18.2
124606 2001 SS_{39}	16.8	X	169.09198	225.93404	107.56834	3.17217	0.2312106	0.26916700	2.3756813	21	1 15.9	20.6
124607 2001 SG_{40}	16.4	X	188.42495	345.39266	63.86936	4.20330	0.1816804	0.27889328	2.3201212	21	5 4.1	20.1
124608 2001 SH_{40}	15.7	X	337.03439	2.25615	163.83543	7.86478	0.1257091	0.26553584	2.3972902	21	—	—
124609 2001 SS_{40}	15.9	X	223.77339	280.72152	155.57228	4.94028	0.1206926	0.28695443	2.2764638	21	7 16.3	19.0
124610 2001 SU_{42}	16.6	X	103.12261	22.41819	47.57435	2.12144	0.1617212	0.27038469	2.3685432	21	2 26.0	19.2
124611 2001 SC_{43}	16.3	X	126.51611	249.57990	133.09534	2.77400	0.1916069	0.26825710	2.3810503	21	1 28.8	19.2
124612 2001 SD_{44}	16.3	X	33.71610	336.18794	70.42454	3.63238	0.1907603	0.25764052	2.4460197	21	—	—
124613 2001 SE_{45}	17.0	X	97.36455	251.74284	76.30817	3.31612	0.2254416	0.25935172	2.4352486	21	—	—
124614 2001 SV_{45}	16.7	X	73.98003	162.04788	148.82402	6.47784	0.1191460	0.30302367	2.1952552	21	12 17.8	19.7
124615 2001 SW_{46}	16.2	X	237.19723	38.94559	33.33191	6.87164	0.0886384	0.28948156	2.2631957	21	8 3.7	19.2
124616 2001 SB_{48}	16.6	X	176.86824	354.08166	66.69871	4.18233	0.2141209	0.27870040	2.3211916	21	5 9.3	20.3
124617 2001 SL_{48}	16.6	X	142.70548	245.84682	75.57895	3.15474	0.1690078	0.31399128	2.1438332	21	—	—
124618 2001 SR_{48}	16.5	X	25.76553	301.01354	41.52672	6.88654	0.1541396	0.30000414	2.2099607	21	12 2.6	18.8
124619 2001 SC_{49}	15.7	X	221.68460	4.91673	34.63874	8.68932	0.1559928	0.28306889	2.2972484	21	5 21.2	19.2
124620 2001 SS_{50}	15.9	X	103.75534	290.27086	126.83027	5.65987	0.1808163	0.26785442	2.3834360	21	2 12.2	18.6
124621 2001 SV_{50}	16.9	X	26.15900	254.53685	109.75772	5.01551	0.1054638	0.30166542	2.2018397	21	12 27.3	19.3
124622 2001 SD_{52}	16.8	X	353.89259	276.33770	146.61108	5.36206	0.0981327	0.30377327	2.1916423	21	—	—
124623 2001 SU_{54}	16.4	X	215.44840	304.86221	129.54685	5.87763	0.1495883	0.28507354	2.2864662	21	7 2.6	19.8
124624 2001 SG_{56}	16.7	X	26.47785	218.05623	131.38385	5.18888	0.1818603	0.30028533	2.2085809	21	12 19.3	19.2
124625 2001 SS_{57}	16.1	X	253.81149	10.99586	24.13668	6.14188	0.1657023	0.28631386	2.2798580	21	6 19.2	19.3
124626 2001 SG_{58}	17.4	X	13.51405	2.15164	15.66760	2.31865	0.1153460	0.30152537	2.2025214	21	12 29.6	19.7
124627 2001 SF_{60}	16.2	X	102.43996	114.80893	275.15152	3.87428	0.1005982	0.26641381	2.3920205	21	—	—
124628 2001 SY_{60}	15.8	X	174.09091	44.68879	21.05923	6.57742	0.1004773	0.27924503	2.3181725	21	5 6.9	19.0
124629 2001 SK_{62}	16.9	X	211.77838	348.24392	11.87414	3.11006	0.2347674	0.27728715	2.3290718	21	3 22.9	20.8
124630 2001 SM_{62}	15.5	X	210.81060	316.31904	195.52485	0.92885	0.0581155	0.24615228	2.5215455	21	10 16.3	18.8
124631 2001 SW_{62}	16.8	X	274.91339	25.56127	33.90181	5.56553	0.1041736	0.29189133	2.2507223	21	9 5.9	19.2
124632 2001 SA_{63}	16.1	X	191.66529	265.01823	176.14203	6.66707	0.0749427	0.28344607	2.2952100	21	6 18.7	19.3
124633 2001 SR_{63}	15.9	X	106.96919	155.03960	25.47845	5.35637	0.1535625	0.28462253	2.2888809	21	8 4.8	19.1
124634 2001 SL_{64}	16.6	X	29.40786	151.20545	155.65213	2.96477	0.2292799	0.29613220	2.2291825	21	10 31.9	18.9
124635 2001 SL_{65}	16.0	X	291.05594	19.88154	172.86371	5.79542	0.0635792	0.26229833	2.4169761	21	—	—
124636 2001 SS_{65}	16.0	X	145.64061	264.66030	157.10273	4.93863	0.2099073	0.27312132	2.3526951	21	4 13.5	19.6
124637 2001 SV_{65}	15.8	X	80.09102	296.05228	109.99497	3.81330	0.2409378	0.26228623	2.4170505	21	—	—
124638 2001 SG_{66}	16.4	X	261.12307	197.43812	173.85174	5.51324	0.1755905	0.28436154	2.2902812	21	5 25.9	19.7
124639 2001 SR_{66}	16.5	X	287.93148	333.15365	31.92394	7.69008	0.1368879	0.28707198	2.2758424	21	6 26.8	19.2
124640 2001 SX_{66}	16.2	X	133.88265	3.45941	53.16851	6.59663	0.2302159	0.27076784	2.3663083	21	3 29.7	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124641 2001 SU_{67}	16.5	X	133.11543	247.74145	155.77530	4.68852	0.2621106	0.26914472	2.3758124	21	3 13.7	20.0
124642 2001 SJ_{68}	15.9	X	159.68650	33.46132	67.12855	4.62141	0.1925290	0.27843688	2.3226559	21	6 13.2	19.6
124643 2001 SQ_{68}	16.0	X	319.66892	219.01150	152.21275	5.17831	0.2031097	0.24178813	2.5517966	21	8 20.9	18.3
124644 2001 SG_{69}	15.8	X	298.60250	171.85023	154.70481	7.25269	0.2179462	0.28454455	2.2892991	21	5 5.4	18.7
124645 2001 SK_{69}	15.9	X	136.20608	0.23131	57.29757	6.77393	0.2263378	0.27060436	2.3672613	21	4 1.9	19.4
124646 2001 SZ_{69}	16.1	X	199.28659	210.04704	154.40004	6.93015	0.1464885	0.27364358	2.3497007	21	3 18.2	19.6
124647 2001 SB_{70}	16.7	X	311.62620	252.25777	144.97065	5.92490	0.1698720	0.29256065	2.2472882	21	9 29.4	18.3
124648 2001 SD_{70}	15.9	X	21.11809	227.33484	138.42025	5.36014	0.1819409	0.29946539	2.2126105	21	—	—
124649 2001 SM_{70}	15.9	X	190.56212	223.93271	106.02324	6.81527	0.1743099	0.26845652	2.3798710	21	1 27.3	19.5
124650 2001 ST_{70}	14.8	X	211.92932	7.79793	65.43753	14.46856	0.0771118	0.23237080	2.6202839	21	7 1.9	18.7
124651 2001 SZ_{71}	15.9	X	87.59239	201.27999	158.93457	6.60578	0.1259391	0.25846593	2.4408093	21	—	—
124652 2001 SK_{72}	15.5	X	57.57402	29.34051	72.82001	7.51551	0.0854672	0.26417318	2.4055270	21	1 19.3	18.1
124653 2001 SO_{72}	15.6	X	234.68499	279.91493	155.33123	5.64007	0.1628187	0.23548420	2.5971371	21	7 21.9	19.6
124654 2001 SV_{73}	16.3	X	247.60930	272.52846	71.36157	5.67759	0.2697376	0.28391837	2.2926639	21	3 31.7	20.2
124655 2001 SP_{74}	15.9	X	313.97590	359.83146	303.26810	5.83333	0.1412456	0.28476189	2.2881341	21	5 1.9	18.5
124656 2001 SC_{75}	16.5	X	26.99802	120.99842	300.26465	3.69644	0.0800987	0.30812019	2.1709806	21	—	—
124657 2001 SM_{76}	16.3	X	95.91991	230.95891	256.57073	3.64531	0.0962953	0.28057443	2.3108441	21	4 23.4	19.0
124658 2001 SV_{76}	16.0	X	294.10219	51.42358	214.51029	5.15620	0.1700004	0.27892175	2.3199634	21	2 9.3	19.3
124659 2001 SO_{80}	16.3	X	266.24280	243.07958	183.43019	6.60181	0.2661237	0.24338536	2.5406202	21	7 31.7	20.0
124660 2001 SW_{80}	17.1	X	125.70199	129.65055	259.17124	1.06174	0.2015020	0.27075504	2.3663829	21	2 5.5	19.9
124661 2001 SG_{81}	16.7	X	327.94341	198.27358	203.11635	3.65555	0.1606597	0.30032952	2.2083642	21	11 15.5	18.0
124662 2001 SD_{84}	16.8	X	148.00551	269.16152	193.69632	6.01518	0.0454706	0.28476179	2.2881346	21	5 24.5	19.8
124663 2001 SP_{85}	16.8	X	217.67802	138.57266	312.93589	3.78712	0.0974687	0.29136939	2.2534094	21	8 2.6	19.9
124664 2001 SR_{88}	16.8	X	283.12966	56.44247	200.55941	1.75343	0.1978860	0.27812220	2.3244075	21	1 16.6	20.2
124665 2001 SQ_{89}	17.4	X	48.16709	115.49101	288.97065	2.47857	0.0907682	0.31143506	2.1555481	21	—	—
124666 2001 SX_{93}	16.1	X	238.20023	37.55144	334.49030	4.58995	0.0901794	0.23421562	2.6065065	21	5 9.7	19.9
124667 2001 SU_{98}	16.3	X	350.98801	201.75545	310.53551	1.85320	0.1419154	0.26790466	2.3831381	21	—	—
124668 2001 SF_{99}	16.7	X	277.61423	99.66775	345.95451	2.03166	0.1951163	0.24631259	2.5204513	21	9 24.4	19.4
124669 2001 SP_{101}	16.0	X	103.36142	214.24845	182.41083	5.01450	0.0710372	0.21783309	2.7356056	21	1 8.8	19.6
124670 2001 SC_{105}	16.1	X	69.47501	212.16512	288.82491	4.94502	0.1473264	0.27475931	2.3433353	21	4 7.7	18.4
124671 2001 SQ_{106}	15.7	X	182.00014	350.25609	330.52025	6.31249	0.1442896	0.26754987	2.3852444	21	1 6.3	19.2
124672 2001 SX_{106}	15.4	X	263.84172	35.80093	345.13360	7.10669	0.2109467	0.23561019	2.5962111	21	6 6.3	19.3
124673 2001 SZ_{106}	16.8	X	169.45690	1.31851	302.25077	4.24376	0.0659635	0.31374504	2.1449548	21	—	—
124674 2001 SH_{107}	15.2	X	117.79766	63.23323	331.24977	5.71214	0.1167814	0.26523312	2.3991139	21	1 23.3	18.1
124675 2001 SW_{107}	15.8	X	165.38005	66.21696	323.98087	6.15909	0.1439048	0.27128060	2.3633256	21	3 14.5	19.4
124676 2001 SY_{107}	15.6	X	264.94470	4.87422	341.38169	7.29019	0.2309981	0.28137380	2.3064654	21	4 16.2	19.1
124677 2001 SE_{108}	15.3	X	123.82373	37.67035	306.56687	4.99646	0.1386838	0.25981032	2.4323820	21	—	—
124678 2001 SD_{111}	15.2	X	164.69113	58.36678	285.34330	7.53994	0.1246610	0.26501999	2.4004001	21	1 14.4	18.6
124679 2001 SS_{111}	15.5	X	323.69707	57.87417	7.93268	11.04514	0.1403851	0.24769271	2.5110801	21	11 24.4	18.1
124680 2001 ST_{111}	16.0	X	288.45238	35.54402	334.41127	5.09907	0.0979797	0.28672458	2.2776803	21	7 12.9	18.6
124681 2001 ST_{112}	15.4	X	119.53994	310.52383	213.03106	5.99703	0.0425131	0.28278764	2.2987713	21	7 10.1	18.3
124682 2001 SC_{113}	15.8	X	76.09175	233.88471	205.75828	4.89173	0.1446887	0.26417777	2.4054991	21	1 21.9	18.2
124683 2001 SL_{113}	16.7	X	243.94674	200.71342	212.76621	6.68729	0.0897087	0.28834363	2.2691462	21	7 11.8	19.8
124684 2001 SW_{114}	15.8	X	66.75495	306.40940	19.87187	5.89780	0.1140173	0.25301793	2.4757219	21	12 18.7	19.3
124685 2001 SN_{116}	15.8	X	236.27376	66.09949	46.70330	6.81765	0.0235815	0.29168343	2.2517917	21	10 9.7	18.4
124686 2001 SD_{118}	17.0	X	223.19843	204.65252	228.95418	5.07692	0.1799943	0.28806572	2.2706054	21	7 6.7	20.4
124687 2001 SO_{118}	16.8	X	186.72926	311.49361	247.98902	3.23504	0.0541987	0.30369856	2.1920017	21	11 28.3	19.5
124688 2001 SU_{121}	15.6	X	25.14824	192.01607	281.97462	5.12646	0.0869751	0.26731062	2.3866674	21	—	—
124689 2001 SA_{122}	16.9	X	160.79649	82.73863	256.75264	3.67175	0.1965146	0.26948842	2.3737919	21	1 11.6	20.4
124690 2001 SN_{125}	16.6	X	183.45539	254.31529	203.78496	3.96187	0.1598518	0.28639124	2.2794474	21	7 1.5	20.1
124691 2001 SV_{129}	16.6	X	103.97762	254.23247	256.50906	2.02117	0.0738289	0.28346271	2.2951202	21	6 5.4	19.1
124692 2001 SX_{130}	16.4	X	128.72211	135.45153	243.70208	1.26286	0.2159865	0.26840283	2.3801883	21	1 29.9	19.5
124693 2001 SL_{131}	17.9	X	218.20804	39.13376	284.10695	1.01003	0.1381333	0.32507608	2.0948168	21	2 3.6	20.9
124694 2001 SN_{134}	16.4	X	61.29951	309.46645	193.44911	6.24942	0.0606725	0.27631586	2.3345267	21	3 17.9	18.8
124695 2001 SR_{136}	12.5	X	95.23660	313.41170	199.06885	11.99241	0.0003946	0.08333995	5.1907952	21	5 26.7	19.4
124696 2001 SC_{137}	12.8	X	254.55816	144.70820	214.84734	3.13077	0.0646554	0.08433445	5.1499068	21	5 25.4	19.8
124697 2001 SF_{138}	16.5	X	279.92731	87.24300	277.01958	1.14809	0.1910622	0.23809249	2.5781345	21	6 6.5	19.8
124698 2001 SL_{140}	17.1	X	142.32261	124.40065	188.45577	1.99070	0.2200513	0.26385227	2.4074771	21	—	—
124699 2001 SK_{142}	16.8	X	358.78083	114.98391	204.98530	6.89205	0.1420374	0.24469204	2.5315674	21	8 27.4	19.3
124700 2001 SZ_{142}	16.7	X	61.18607	17.03472	240.71081	4.38993	0.1605101	0.29561000	2.2318070	21	9 22.2	19.5
124701 2001 SG_{144}	16.3	X	203.13808	109.14703	346.85195	7.03302	0.1677244	0.28784262	2.2717785	21	7 20.1	19.8
124702 2001 SE_{146}	16.3	X	122.91021	137.68703	351.30194	5.46522	0.0894158	0.28247779	2.3004520	21	5 31.9	19.3
124703 2001 SS_{147}	16.4	X	178.49454	212.96902	246.22656	5.91303	0.0845237	0.28557109	2.2838096	21	6 27.6	19.5
124704 2001 SQ_{148}	16.3	X	21.45965	220.78162	237.95601	3.83509	0.1876425	0.26224958	2.4172756	21	—	—
124705 2001 SR_{149}	15.4	X	214.70569	274.15245	330.22602	5.94090	0.0842478	0.26153429	2.4216811	21	—	—
124706 2001 SS_{149}	16.0	X	175.33948	135.42303	285.99026	2.33947	0.2313463	0.27792774	2.3254917	21	5 8.1	19.8
124707 2001 ST_{149}	16.0	X	142.29280	250.39291	294.62624	3.35833	0.0780442	0.29176266	2.2513840	21	9 11.3	19.1
124708 2001 SU_{149}	16.6	X	66.57445	3.99733	299.00061	2.56718	0.1115628	0.30003351	2.2098165	21	11 26.2	19.3
124709 2001 SA_{150}	16.4	X	222.78177	39.47900	352.41320	11.34075	0.1902360	0.23256547	2.6188215	21	5 10.2	20.9
124710 2001 SD_{151}	16.1	X	5.45863	88.05257	353.17318	5.69544	0.0996202	0.30808878	2.1711281	21	—	—
124711 2001 SF_{151}	16.4	X	293.83818	66.36451	234.99610	1.69770	0.2216242	0.28350390	2.2948978	21	3 21.6	19.5
124712 2001 SA_{153}	16.6	X	156.21115	342.79369	2.80249	4.62913	0.0919593	0.31657664	2.1321454	21	—	—
124713 2001 SJ_{153}	16.8	X	180.69231	6.65644	327.67395	1.93505	0.2374939	0.27100534	2.3649256	21	1 27.0	20.5
124714 2001 SA_{155}	16.2	X	339.47948	136.36130	198.83061	6.26323	0.2135230	0.24294112	2.5437165	21	8 6.3	18.3
124715 2001 SC_{155}	16.7	X	84.79247	55.34121	288.15367	1.02280	0.1890987	0.25816210	2.4427240	21	—	—
124716 2001 SG_{157}	16.2	X	171.74978	133.27524	310.48551	6.35665	0.0615691	0.28162366	2.3051010	21	5 27.2	19.3
124717 2001 SG_{158}	16.9	X	90.50744	16.47064	293.44699	2.95019	0.1694841	0.30576398	2.1821194	21	—	—
124718 2001 SA_{160}	15.9	X	154.43039	70.94157	259.96314	4.17419	0.1542949	0.26557634	2.3970465	21	—	—
124719 2001 SH_{160}	16.3	X	49.06441	285.70610	220.11199	5.46335	0.0522173	0.27405460	2.3473507	21	2 28.8	19.0
124720 2001 SZ_{161}	16.7	X	137.27895	158.60686	264.49184	1.69734	0.2118427	0.27294083	2.3537322	21	4 4.6	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124721 2001 SW_{163}	16.1	X	289.15235	28.79467	207.85975	6.80419	0.0568948	0.27001303	2.3707162	21	1 12.5	19.4
124722 2001 SG_{164}	17.0	X	163.79130	76.21889	338.53588	1.84800	0.2470854	0.27477733	2.3432329	21	4 21.0	20.9
124723 2001 SW_{164}	16.3	X	198.94275	26.18766	21.11565	5.52929	0.1590306	0.27876666	2.3208238	21	5 9.5	19.9
124724 2001 SE_{165}	16.4	X	221.63539	66.07210	4.46711	4.60186	0.0845656	0.28570736	2.2830833	21	7 10.6	19.5
124725 2001 SR_{167}	15.9	X	104.66060	24.34313	0.16174	9.03182	0.1218180	0.26573102	2.3961162	21	—	—
124726 2001 SU_{168}	16.3	X	114.95014	128.59101	37.19807	7.14297	0.0498234	0.28425168	2.2908713	21	7 10.3	19.2
124727 2001 SG_{169}	16.2	X	224.38562	7.47713	288.66544	1.91903	0.2387060	0.27145289	2.3623255	21	1 15.1	20.3
124728 2001 SR_{171}	17.1	X	138.00981	287.54276	38.60884	3.08058	0.2139745	0.26503557	2.4003060	21	—	—
124729 2001 SB_{173}	12.7	X	237.75685	200.70154	180.48242	8.08229	0.0993403	0.08354137	5.1824482	21	5 29.7	19.9
124730 2001 SV_{173}	16.1	X	143.71920	64.97622	55.36826	7.43636	0.0353492	0.28318981	2.2965944	21	6 10.3	19.0
124731 2001 SJ_{177}	16.9	X	78.25489	137.85346	148.77949	3.58051	0.1393001	0.29961614	2.2118682	21	11 22.8	19.8
124732 2001 SY_{178}	16.5	X	291.38463	263.96896	147.50740	5.58019	0.1152703	0.29159890	2.2522268	21	9 18.1	18.6
124733 2001 SG_{179}	16.5	X	257.62337	257.59122	109.27086	5.34416	0.1720877	0.28221775	2.3018649	21	5 16.8	19.7
124734 2001 SP_{179}	16.0	X	217.98786	192.63444	149.35980	6.24478	0.1679224	0.27353021	2.3503499	21	3 7.0	19.6
124735 2001 SB_{183}	16.4	X	81.39096	34.91507	31.77147	1.65341	0.1701415	0.26913046	2.3758963	21	1 16.7	18.4
124736 2001 SK_{183}	15.4	X	20.82731	196.30463	348.67873	12.30176	0.0919812	0.23080483	2.6321226	21	3 19.6	18.3
124737 2001 SW_{183}	16.1	X	267.98029	251.52962	344.35124	6.89384	0.2050088	0.22469974	2.6795858	21	—	—
124738 2001 SF_{199}	16.5	X	27.20775	77.84794	50.77048	2.06143	0.1236138	0.26934622	2.3746273	21	—	—
124739 2001 SE_{201}	16.2	X	57.29735	333.28161	142.75314	0.80819	0.1683864	0.27089324	2.3655780	21	2 10.5	18.0
124740 2001 SK_{204}	16.2	X	197.13379	99.41426	14.67365	6.46045	0.0783687	0.29093409	2.2556565	21	8 13.6	19.3
124741 2001 SL_{206}	17.5	X	72.66935	27.26071	9.39415	0.37995	0.1207508	0.31291199	2.1487600	21	—	—
124742 2001 SV_{207}	16.6	X	299.04490	86.67427	9.95545	5.10452	0.0950965	0.30232562	2.1986330	21	12 13.7	18.6
124743 2001 SY_{207}	17.0	X	305.75136	162.44468	125.98648	1.69690	0.1156114	0.28320908	2.2964902	21	4 5.9	19.8
124744 2001 SB_{210}	16.6	X	202.78398	145.74057	20.98407	5.34700	0.0634500	0.29970147	2.2114484	21	11 1.1	19.4
124745 2001 SF_{210}	16.1	X	140.22173	356.70783	60.20309	3.28449	0.2149549	0.27379260	2.3488480	21	4 2.1	19.5
124746 2001 SN_{211}	16.7	X	197.57398	314.57159	139.64589	1.20155	0.1460523	0.28668388	2.2778959	21	7 11.1	20.1
124747 2001 SP_{211}	17.1	X	64.64488	59.44152	24.37555	2.46533	0.1837069	0.26652103	2.3913789	21	1 10.6	18.9
124748 2001 SQ_{212}	16.6	X	345.18115	325.17932	28.92449	6.03853	0.1235993	0.29582644	2.2307183	21	10 3.9	18.2
124749 2001 SD_{215}	16.5	X	298.29511	301.36532	67.68048	2.73494	0.1861253	0.29079456	2.2563780	21	7 11.4	18.7
124750 2001 SO_{215}	16.3	X	80.55303	193.39726	147.19231	8.44326	0.1400784	0.25759658	2.4462978	21	—	—
124751 2001 SR_{217}	15.8	X	339.79396	269.67033	25.90196	13.41262	0.1798385	0.23924126	2.5698749	21	6 5.3	18.5
124752 2001 SB_{220}	16.9	X	90.71123	102.38010	30.18052	3.25767	0.0985595	0.27809062	2.3245835	21	4 24.6	19.6
124753 2001 SK_{220}	16.4	X	94.78240	309.39582	163.68051	4.88882	0.0920165	0.27588993	2.3369288	21	4 3.2	19.1
124754 2001 SK_{222}	14.8	X	332.44028	100.30561	89.24023	2.87727	0.0503654	0.17070469	3.2183931	21	1 31.2	19.2
124755 2001 SU_{222}	16.6	X	257.55398	85.42650	17.11104	6.91111	0.0898725	0.29651790	2.2272490	21	10 12.9	19.2
124756 2001 SM_{225}	16.1	X	296.02948	147.73904	37.04517	3.18524	0.1030279	0.26421566	2.4052692	21	—	—
124757 2001 SU_{225}	16.4	X	80.78592	329.50160	167.81859	2.22341	0.1522859	0.27577254	2.3375920	21	4 26.4	18.7
124758 2001 SH_{227}	16.8	X	215.29458	297.24823	174.54933	3.06277	0.1596777	0.28996130	2.2606987	21	8 21.4	20.1
124759 2001 SP_{228}	16.3	X	340.61406	44.07799	71.57963	2.36064	0.1317156	0.25880163	2.4386981	21	—	—
124760 2001 SQ_{228}	16.3	X	324.96563	27.01879	171.01384	6.34084	0.0595558	0.26996667	2.3709876	21	1 7.9	19.3
124761 2001 ST_{230}	16.4	X	196.59661	139.58652	29.21238	6.14973	0.0799164	0.29716366	2.2240212	21	10 25.7	19.1
124762 2001 SE_{233}	15.8	X	305.66132	101.62059	82.87069	2.49099	0.1226989	0.26411721	2.4058668	21	—	—
124763 2001 SW_{234}	16.4	X	267.96323	56.29743	30.96424	4.13239	0.0955285	0.29442996	2.2377662	21	10 6.3	18.6
124764 2001 SE_{235}	16.5	X	140.67222	158.84298	190.10796	2.09831	0.2286350	0.26629170	2.3927517	21	1 7.1	19.7
124765 2001 SO_{238}	16.0	X	69.37544	325.38025	99.41728	3.66390	0.1674185	0.26357980	2.4091359	21	—	—
124766 2001 SV_{239}	16.1	X	278.90289	3.37112	54.25084	7.98236	0.1181493	0.29175552	2.2514208	21	9 9.3	18.6
124767 2001 SO_{240}	16.0	X	64.33411	321.34230	119.07795	5.82472	0.1605867	0.26421141	2.4052949	21	1 3.1	18.1
124768 2001 SB_{243}	16.5	X	162.13785	205.88038	76.75263	2.19583	0.1751465	0.26113108	2.4241734	21	—	—
124769 2001 SJ_{244}	16.1	X	52.64107	292.99668	60.06376	6.97969	0.1640883	0.25368317	2.4713919	21	—	—
124770 2001 SP_{244}	16.2	X	266.12151	65.64898	134.95321	2.58003	0.1363452	0.26237858	2.4164833	21	—	—
124771 2001 SR_{244}	16.9	X	95.48719	7.55024	84.22290	2.41235	0.1548983	0.27124643	2.3635241	21	3 16.2	19.6
124772 2001 SL_{245}	16.2	X	132.97369	148.47404	152.72155	1.48945	0.1845788	0.25922723	2.4360282	21	—	—
124773 2001 SB_{246}	17.1	X	210.12383	253.70790	184.63615	1.29616	0.0781781	0.28530401	2.2852346	21	7 6.8	20.0
124774 2001 SG_{247}	17.3	X	115.35887	149.64853	149.44424	3.08491	0.1887422	0.30705594	2.1759941	21	—	—
124775 2001 SJ_{247}	16.5	X	152.43602	8.09957	64.32086	3.00485	0.1358336	0.27642240	2.3339268	21	4 26.6	19.7
124776 2001 SY_{247}	16.1	X	148.18165	110.88282	55.29261	4.49720	0.0876986	0.28881247	2.2666898	21	8 27.5	19.2
124777 2001 SO_{248}	16.4	X	214.94234	123.18884	25.13055	7.68737	0.1220833	0.29495381	2.2351159	21	10 15.2	19.1
124778 2001 SE_{249}	16.7	X	119.68230	262.01700	57.63413	2.20476	0.1954441	0.25992051	2.4316945	21	—	—
124779 2001 SH_{250}	15.8	X	261.26077	148.50109	43.30368	8.20853	0.1304443	0.25849918	2.4406000	21	—	—
124780 2001 SR_{250}	17.5	X	22.71500	192.98165	143.65892	3.36231	0.1098711	0.29732735	2.2232048	21	11 13.7	19.7
124781 2001 SS_{252}	16.3	X	198.06669	140.00500	33.59178	10.78877	0.0770158	0.29677238	2.2259756	21	11 2.7	19.0
124782 2001 SU_{253}	15.9	X	79.27029	64.22146	125.57494	3.31062	0.0886274	0.28251150	2.3002690	21	6 29.3	18.5
124783 2001 SA_{254}	15.8	X	60.98375	258.89576	176.54650	5.98204	0.1065053	0.21334968	2.7737973	21	1 2.5	19.1
124784 2001 ST_{254}	16.1	X	359.62071	305.15902	42.27602	8.40149	0.1952849	0.29571866	2.2312603	21	10 31.6	17.7
124785 2001 SX_{254}	15.9	X	112.62565	248.03244	137.42579	6.25496	0.1381764	0.26467918	2.4024602	21	1 5.9	18.8
124786 2001 SC_{256}	15.7	X	345.64418	130.57964	78.59018	3.87035	0.1863905	0.27312839	2.3526545	21	2 3.3	18.2
124787 2001 SO_{256}	16.3	X	334.59243	356.00689	132.31307	1.93911	0.1407153	0.25794242	2.4441107	21	—	—
124788 2001 SP_{256}	15.9	X	266.11913	158.64612	33.65643	7.63702	0.0553689	0.25908847	2.4368978	21	—	—
124789 2001 SS_{256}	15.7	X	308.23022	354.79655	186.13845	6.24913	0.0837742	0.26285857	2.4135407	21	—	—
124790 2001 SV_{257}	17.0	X	266.24132	239.88668	171.95670	2.50687	0.1742781	0.29266759	2.2467407	21	7 27.6	19.6
124791 2001 SP_{261}	14.2	X	255.54972	310.61484	334.80539	2.03266	0.1555001	0.12376484	3.9878413	21	2 19.3	20.2
124792 2001 SE_{262}	16.1	X	186.57294	67.67121	315.17745	6.46735	0.1135537	0.27330514	2.3516400	21	3 23.8	19.7
124793 2001 SY_{265}	16.6	X	149.37440	214.70885	203.29376	1.63241	0.1796929	0.27355477	2.3502092	21	4 7.8	19.9
124794 2001 SC_{266}	15.6	X	344.06330	271.24860	209.52433	8.12690	0.0763672	0.25903072	2.4372600	21	—	—
124795 2001 SN_{266}	16.6	X	141.00912	11.87133	357.97330	0.88752	0.1980377	0.26752980	2.3853637	21	1 30.4	19.8
124796 2001 SC_{267}	16.5	X	353.77408	282.24302	40.19078	11.77138	0.3183594	0.24325620	2.5415194	21	9 10.7	17.9
124797 2001 SX_{267}	15.8	X	290.82526	34.03700	38.89422	13.62241	0.2105886	0.24305047	2.5429534	21	10 1.5	18.6
124798 2001 SZ_{267}	16.4	X	194.54301	203.65003	128.95751	3.07190	0.1312360	0.31952947	2.1189893	21	1 23.2	19.3
124799 2001 SX_{271}	16.2	X	104.74838	65.38029	16.94321	2.82386	0.1832622	0.27008523	2.3702937	21	3 20.5	18.9
124800 2001 SJ_{272}	16.2	X	115.43322	16.47571	115.73075	3.07912	0.1526630	0.28151681	2.3056842	21	6 6.2	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124801 2001 SF_{277}	15.9	X	195.32683	140.73589	316.20727	23.44855	0.2475879	0.28319230	2.2965809	21	7 14.5	20.1
124802 2001 SO_{278}	15.8	X	128.67624	174.41891	281.24741	4.90520	0.0767878	0.27532925	2.3401003	21	4 20.0	18.9
124803 2001 SR_{278}	16.1	X	251.62248	109.60263	274.95915	3.53880	0.1426128	0.28401564	2.2921404	21	6 4.9	19.4
124804 2001 SX_{278}	16.8	X	40.18369	128.11562	235.51446	2.39815	0.2066076	0.30288150	2.1959421	21	—	—
124805 2001 SY_{278}	16.2	X	254.23767	358.91366	12.59812	6.64477	0.1382592	0.28298195	2.2977189	21	5 19.7	19.4
124806 2001 SL_{279}	16.8	X	169.91147	27.75215	323.67031	1.42310	0.2322813	0.27012259	2.3700751	21	2 7.3	20.4
124807 2001 SM_{279}	16.5	X	133.18122	50.95706	318.10264	1.54638	0.2224394	0.26643473	2.3918953	21	1 23.9	19.7
124808 2001 SH_{280}	16.0	X	183.11333	213.71366	94.72268	2.41242	0.1874829	0.26648808	2.3915760	21	—	—
124809 2001 SR_{280}	15.7	X	297.58124	249.37605	176.70684	0.83374	0.1089052	0.24530013	2.5273819	21	10 13.3	18.2
124810 2001 SS_{282}	16.0	X	169.58605	338.90948	64.96424	6.28438	0.1117142	0.27527838	2.3403886	21	4 7.7	19.3
124811 2001 ST_{282}	14.5	X	349.05195	56.17751	336.97043	8.36515	0.2142589	0.24593440	2.5230345	21	12 5.6	16.9
124812 2001 SB_{284}	16.5	X	120.17712	293.99708	177.82391	22.38867	0.2951432	0.27723531	2.3293622	21	6 2.0	20.7
124813 2001 SD_{285}	16.5	X	145.45594	257.26131	209.56565	3.94374	0.0811982	0.28035627	2.3120428	21	5 30.1	19.5
124814 2001 SF_{285}	16.7	X	358.06485	216.90977	205.58113	4.20591	0.0859396	0.30416375	2.1897662	21	—	—
124815 2001 SH_{287}	14.6	X	255.44524	343.92741	73.84960	14.19466	0.1365491	0.23620157	2.5918759	21	7 29.1	18.4
124816 2001 SV_{288}	16.5	X	172.40727	201.78246	277.74646	5.44325	0.0945596	0.28633521	2.2797447	21	7 18.8	19.6
124817 2001 SV_{290}	15.6	X	238.81975	301.55458	93.40672	7.17087	0.1952207	0.28345008	2.2951883	21	5 31.8	19.1
124818 2001 SL_{292}	16.6	X	212.81529	24.05903	247.72202	3.22172	0.1624069	0.26925836	2.3751439	21	—	—
124819 2001 SY_{294}	16.9	X	238.12422	254.40741	201.89153	4.27803	0.0680301	0.29530192	2.2333590	21	9 7.9	19.6
124820 2001 SM_{307}	16.5	X	111.25667	310.91496	91.14043	2.39947	0.1825199	0.26809824	2.3819908	21	2 2.7	19.3
124821 2001 SE_{308}	16.4	X	7.37425	99.07078	20.90349	6.85763	0.0656700	0.26503745	2.4002946	21	—	—
124822 2001 SQ_{308}	17.4	X	13.57784	114.61238	323.36161	2.17307	0.0157950	0.31309499	2.1479227	21	—	—
124823 2001 SO_{311}	16.3	X	250.87575	338.12474	321.50173	6.20910	0.1322122	0.27801452	2.3250077	21	2 12.8	19.8
124824 2001 SJ_{312}	16.6	X	325.24277	295.33823	148.24449	4.93668	0.0842984	0.30588560	2.1815409	21	—	—
124825 2001 SS_{313}	15.7	X	7.83296	331.42776	138.94431	11.35461	0.2406645	0.26045620	2.4283592	21	—	—
124826 2001 SH_{315}	15.8	X	192.85157	202.51381	135.23247	7.49797	0.1328863	0.27056985	2.3674625	21	2 5.1	19.1
124827 2001 SQ_{319}	16.1	X	168.42099	311.00598	186.77153	11.72660	0.1377799	0.23861980	2.5743350	21	8 4.9	20.3
124828 2001 SS_{324}	16.5	X	181.32766	54.23363	250.19696	3.63905	0.1346082	0.26913694	2.3758582	21	—	—
124829 2001 SA_{326}	16.8	X	243.53356	246.89967	143.45523	5.77221	0.1641762	0.28391019	2.2927079	21	6 2.6	20.2
124830 2001 SG_{327}	16.4	X	72.45682	53.69164	30.06273	6.74296	0.0667620	0.26903740	2.3764441	21	1 15.5	19.2
124831 2001 SV_{327}	16.8	X	244.78465	9.18785	78.19617	4.83865	0.0812237	0.29292571	2.2454207	21	9 6.2	19.5
124832 2001 SQ_{332}	16.3	X	299.33931	108.07654	139.82151	7.27655	0.0726608	0.27665695	2.3326074	21	2 7.2	19.1
124833 2001 SF_{350}	17.3	X	281.04966	81.30779	6.57764	4.43077	0.0630474	0.29728029	2.2234395	21	10 31.5	19.7
124834 2001 TH	15.3	X	247.07608	305.15218	84.76537	22.80914	0.2926157	0.28460721	2.2889631	21	5 27.9	19.2
124835 2001 TX_{3}	16.7	X	252.01800	139.98961	238.67002	3.14529	0.1594865	0.28433148	2.2904426	21	5 26.4	19.6
124836 2001 TE_{4}	16.4	X	125.39250	267.22068	200.96279	3.77324	0.1817354	0.27611957	2.3356329	21	5 19.7	19.6
124837 2001 TF_{5}	17.0	X	307.62367	356.97930	44.83632	5.39787	0.1412423	0.29755248	2.2220833	21	10 2.6	18.8
124838 2001 TS_{5}	16.7	X	254.88214	327.28580	134.62823	7.67971	0.1180216	0.29683775	2.2256488	21	10 7.0	19.3
124839 2001 TX_{5}	16.1	X	25.67066	61.26606	69.25246	6.79677	0.0774492	0.26788284	2.3832675	21	1 4.4	18.7
124840 2001 TR_{6}	16.1	X	352.07964	74.43944	112.85617	5.82847	0.1526787	0.27079832	2.3661307	21	1 18.7	18.4
124841 2001 TH_{8}	15.9	X	252.83153	63.79324	294.07513	4.88654	0.2408100	0.28161530	2.3051466	21	4 19.7	19.6
124842 2001 TD_{9}	16.1	X	163.23404	44.45289	349.96034	6.58179	0.1191426	0.27131263	2.3631396	21	3 17.1	19.2
124843 2001 TT_{11}	16.4	X	139.47439	280.61018	197.70893	3.09183	0.0989114	0.28091703	2.3089649	21	6 9.4	19.5
124844 Hirotamasao	16.7	X	165.70341	257.24315	155.45234	2.35108	0.2043954	0.27501825	2.3418642	21	4 19.3	20.3
124845 2001 TH_{15}	16.5	X	229.66553	323.88080	79.46615	5.03285	0.1631005	0.28378509	2.2933816	21	6 4.6	20.0
124846 2001 TN_{15}	16.5	X	200.29394	260.33473	61.27073	3.15301	0.1396443	0.27268393	2.3552103	21	1 24.0	20.1
124847 2001 TX_{15}	15.7	X	152.75646	288.49660	94.57357	7.39104	0.1387397	0.27162515	2.3613266	21	2 24.3	19.1
124848 2001 TZ_{15}	16.3	X	186.89415	41.58625	63.26708	9.20020	0.0802758	0.28647961	2.2789785	21	7 17.3	19.5
124849 2001 TN_{16}	16.0	X	166.81575	247.73861	59.23274	23.03259	0.2443234	0.26582395	2.3955578	21	—	—
124850 2001 TW_{17}	15.8	X	0.93965	114.95921	233.94110	0.91905	0.1021498	0.24370785	2.5383784	21	10 13.1	18.3
124851 2001 TH_{18}	16.6	X	247.94337	18.71282	40.40419	6.17004	0.1407172	0.28595322	2.2817745	21	7 21.2	19.7
124852 2001 TB_{19}	16.0	X	122.81197	95.90070	36.98886	24.21188	0.2337126	0.27617255	2.3353342	21	6 20.7	20.0
124853 2001 TO_{19}	16.6	X	224.47755	86.09565	315.08721	7.10816	0.1310047	0.28172954	2.3045234	21	5 28.1	20.0
124854 2001 TD_{20}	15.4	X	55.55144	116.54013	279.27256	7.26622	0.0770001	0.25724984	2.4484955	21	—	—
124855 2001 TU_{20}	15.4	X	353.21951	67.36256	15.96390	14.66516	0.0362603	0.25395432	2.4696324	21	—	—
124856 2001 TS_{22}	16.7	X	52.44889	93.63838	316.75271	1.45070	0.2050637	0.25918355	2.4363018	21	—	—
124857 2001 TL_{24}	16.2	X	55.17502	292.93726	225.27395	5.56022	0.1209534	0.27528748	2.3403371	21	4 5.2	18.6
124858 2001 TX_{24}	16.8	X	151.35609	25.23808	254.75157	4.49865	0.1891348	0.30972777	2.1634621	21	—	—
124859 2001 TA_{25}	16.3	X	352.80367	185.36941	335.09656	4.88898	0.1625870	0.26621691	2.3931998	21	—	—
124860 2001 TQ_{25}	16.2	X	213.69061	152.27557	342.35558	6.09622	0.0864427	0.29341725	2.2429123	21	9 27.1	19.1
124861 2001 TB_{28}	16.3	X	137.97301	232.28613	284.68203	4.64303	0.1337467	0.28423055	2.2909848	21	8 2.2	19.7
124862 2001 TG_{28}	16.6	X	141.23609	331.35910	336.58968	5.16594	0.1263636	0.30989927	2.1626638	21	—	—
124863 2001 TU_{28}	16.3	X	177.68093	33.06759	1.55073	7.49871	0.1064304	0.27482273	2.3429748	21	3 31.4	19.6
124864 2001 TH_{29}	15.5	X	284.41270	138.11996	255.07498	3.09242	0.0514477	0.23867211	2.5739588	21	8 13.3	18.9
124865 2001 TJ_{29}	17.0	X	71.49480	34.24744	317.22619	1.67795	0.1895633	0.30576144	2.1821314	21	—	—
124866 2001 TM_{30}	16.0	X	301.57306	283.67673	264.52352	2.28270	0.1437015	0.26432871	2.4045833	21	—	—
124867 2001 TF_{31}	16.5	X	227.70626	77.39295	339.07884	5.27962	0.1474070	0.28322730	2.2963917	21	6 21.7	19.9
124868 2001 TL_{33}	15.7	X	111.67258	80.58240	313.02915	4.50815	0.1019009	0.26401435	2.4064917	21	1 10.8	18.5
124869 2001 TZ_{33}	16.2	X	282.67090	19.57399	0.41774	5.75977	0.1950261	0.28700501	2.2761964	21	7 1.7	19.0
124870 2001 TH_{34}	16.1	X	196.35250	98.17003	357.07226	5.66568	0.1730226	0.28203034	2.3028845	21	7 11.6	19.8
124871 2001 TR_{34}	15.8	X	324.42351	108.23598	5.38321	7.53326	0.1029342	0.25253832	2.4788554	21	—	—
124872 2001 TU_{34}	15.9	X	215.61836	349.20913	4.13115	6.81308	0.0925791	0.27320770	2.3521992	21	3 19.6	19.1
124873 2001 TG_{35}	15.6	X	254.76382	74.72008	24.73318	9.92364	0.0498382	0.24124322	2.5556378	21	10 5.3	18.8
124874 2001 TU_{35}	15.4	X	56.08798	263.19154	38.57255	14.97378	0.0821000	0.24313704	2.5423498	21	10 29.5	18.7
124875 2001 TY_{35}	15.7	X	173.70018	103.27551	330.28660	6.37489	0.0735721	0.27674267	2.3321258	21	5 15.1	19.1
124876 2001 TK_{36}	16.0	X	260.87307	95.04218	313.21990	4.73918	0.1537450	0.28585814	2.2822804	21	7 19.3	18.8
124877 2001 TL_{37}	15.6	X	219.65237	354.61063	1.92922	8.42754	0.1390642	0.27383496	2.3486057	21	3 26.2	19.3
124878 2001 TC_{38}	15.7	X	126.09855	192.45041	309.39488	6.14310	0.1433067	0.27636416	2.3342547	21	7 1.3	19.0
124879 2001 TX_{38}	15.8	X	162.84838	64.90468	285.30195	5.64042	0.1652780	0.26672813	2.3901409	21	1 24.2	19.4
124880 2001 TZ_{38}	16.4	X	236.02539	106.31996	340.70733	5.79594	0.2873467	0.23529944	2.5984964	21	7 28.8	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124881 2001 TP_{39}	14.6	X	176.22590	109.16952	40.75122	22.60316	0.1822074	0.28412511	2.2915516	21	9 15.4	18.7
124882 2001 TV_{39}	14.7	X	140.37665	3.29360	18.56057	10.41550	0.1581254	0.21592723	2.7516790	21	2 21.1	18.9
124883 2001 TX_{39}	16.0	X	129.46615	125.20219	9.41009	6.18469	0.1566542	0.27655861	2.3331604	21	6 26.2	19.4
124884 2001 TE_{41}	15.6	X	0.28151	331.07578	25.52639	8.17118	0.1750209	0.29264406	2.2468612	21	11 10.5	17.5
124885 2001 TT_{42}	15.9	X	278.82503	42.30415	331.08930	7.33273	0.1714491	0.28235586	2.3011143	21	6 19.9	18.8
124886 2001 TQ_{44}	15.5	X	76.95304	114.07297	350.38265	5.69183	0.1907190	0.26336464	2.4104479	21	3 9.7	17.7
124887 2001 TH_{45}	16.6	X	167.19009	62.42194	350.26476	2.79503	0.1484729	0.27521377	2.3407549	21	4 15.5	20.2
124888 2001 TP_{45}	15.8	X	29.96487	262.03443	196.93370	0.97684	0.1388454	0.26004679	2.4309072	21	—	—
124889 2001 TT_{46}	16.5	X	64.28419	191.59949	215.29527	2.72419	0.1833459	0.25920341	2.4361774	21	—	—
124890 2001 TU_{46}	16.4	X	286.50790	126.20191	244.42559	4.35254	0.1808575	0.28817228	2.2700456	21	6 24.9	19.1
124891 2001 TE_{47}	16.1	X	258.90800	274.48519	102.80907	5.86715	0.1230642	0.28512589	2.2861863	21	6 6.8	19.0
124892 2001 TN_{48}	16.9	X	164.77598	172.17480	122.48423	1.06040	0.1156719	0.31116556	2.1567925	21	—	—
124893 2001 TM_{49}	15.6	X	319.02283	301.72601	242.96951	5.48973	0.0901046	0.26532758	2.3985445	21	—	—
124894 2001 TN_{49}	16.9	X	149.28350	172.33618	194.96941	2.66475	0.1991269	0.26754418	2.3852782	21	2 4.0	20.5
124895 2001 TJ_{50}	16.7	X	102.28368	173.52197	168.71722	6.42250	0.0537068	0.30950544	2.1644980	21	—	—
124896 2001 TL_{50}	15.5	X	163.06657	281.93352	35.97028	10.55328	0.2830678	0.26766275	2.3845737	21	—	—
124897 2001 TW_{50}	16.5	X	274.32999	291.69561	115.34294	3.11689	0.0766256	0.29076111	2.2565511	21	8 19.7	19.0
124898 2001 TX_{50}	16.4	X	208.38881	340.97243	47.50124	6.23176	0.1297299	0.22954113	2.6417743	21	4 29.4	20.4
124899 2001 TH_{51}	16.6	X	192.11338	0.75744	76.93271	3.34919	0.1630045	0.28212208	2.3023853	21	6 13.1	20.2
124900 2001 TS_{51}	15.9	X	117.11515	352.45035	79.46429	4.88418	0.1977617	0.27062932	2.3671157	21	3 26.9	19.1
124901 2001 TE_{52}	15.9	X	254.20739	11.74956	56.90771	10.45745	0.1657638	0.28884657	2.2665114	21	8 11.3	19.0
124902 2001 TP_{52}	17.6	X	138.36153	185.24494	148.54874	3.02010	0.1564302	0.31412667	2.1432171	21	—	—
124903 2001 TU_{52}	17.2	X	176.59289	55.42009	32.75050	0.63096	0.1599016	0.28178347	2.3042294	21	6 11.9	20.7
124904 2001 TV_{53}	16.2	X	96.30093	234.74400	126.12151	3.43093	0.1752414	0.26054470	2.4278092	21	—	—
124905 2001 TB_{59}	16.4	X	244.19180	203.56811	209.90508	5.81213	0.1283598	0.28701425	2.2761475	21	7 7.5	19.5
124906 2001 TQ_{59}	16.2	X	341.36629	308.18193	49.75062	7.32951	0.2216271	0.24472115	2.5313666	21	9 26.7	18.1
124907 2001 TV_{59}	16.1	X	132.44486	265.16957	80.74933	2.93015	0.1879986	0.26413341	2.4057685	21	—	—
124908 2001 TW_{59}	16.6	X	348.04973	135.20284	226.79776	3.57127	0.2095405	0.24630594	2.5204967	21	10 15.6	18.4
124909 2001 TX_{59}	17.1	X	328.70111	157.84844	237.15770	2.36184	0.1212311	0.29672382	2.2262184	21	11 3.4	18.7
124910 2001 TR_{60}	16.4	X	49.98176	242.78308	221.00275	4.22390	0.1632805	0.26525078	2.3990075	21	1 7.2	18.3
124911 2001 TZ_{61}	16.2	X	90.81887	263.47941	164.57671	3.25071	0.1599821	0.26612211	2.3937681	21	2 2.8	18.7
124912 2001 TA_{63}	16.9	X	171.68593	215.54497	125.04750	2.28869	0.2060846	0.26915737	2.3757379	21	1 24.7	20.6
124913 2001 TF_{63}	16.7	X	276.24359	16.21073	38.17094	7.62007	0.1880571	0.24023194	2.5628049	21	8 14.2	20.1
124914 2001 TD_{64}	15.6	X	293.16317	3.88427	90.04923	5.52575	0.2043783	0.24638488	2.5199583	21	11 3.8	18.0
124915 2001 TZ_{64}	16.6	X	275.80170	342.56913	58.97766	3.98044	0.1159692	0.28928355	2.2642283	21	8 7.6	19.1
124916 2001 TO_{65}	16.1	X	58.63176	169.14114	182.58389	2.33489	0.2042495	0.25439821	2.4667587	21	—	—
124917 2001 TJ_{66}	16.6	X	101.73005	340.73184	29.51546	1.13994	0.1976335	0.26186421	2.4196467	21	—	—
124918 2001 TK_{66}	16.2	X	39.14502	64.72281	27.04011	2.58587	0.1747040	0.26133071	2.4229386	21	—	—
124919 2001 TL_{66}	16.2	X	237.88352	40.34048	35.75775	6.19174	0.1240204	0.28747927	2.2736923	21	8 5.0	19.3
124920 2001 TU_{67}	16.3	X	130.45482	24.19536	40.25312	2.93419	0.1264337	0.27125062	2.3634997	21	3 21.4	19.3
124921 2001 TO_{69}	16.7	X	144.66761	283.19401	199.17227	5.08929	0.1459687	0.28158896	2.3052903	21	6 24.5	20.2
124922 2001 TQ_{69}	16.7	X	252.74666	262.00547	221.36974	2.99038	0.0784941	0.29778989	2.2209021	21	11 7.3	19.1
124923 2001 TU_{69}	17.6	X	239.40607	185.97954	237.18244	0.51109	0.1452390	0.28736309	2.2743051	21	7 14.2	20.8
124924 2001 TE_{70}	16.8	X	166.15749	61.23279	31.88427	3.02722	0.1684264	0.28037155	2.3119588	21	6 8.2	20.3
124925 2001 TK_{70}	15.9	X	131.64795	345.83509	63.24543	5.54092	0.1370219	0.27033381	2.3688404	21	3 5.9	19.1
124926 2001 TO_{70}	14.7	X	319.03011	229.27523	23.73941	11.73894	0.2028869	0.17770092	3.1333550	21	3 13.3	18.9
124927 2001 TH_{71}	16.9	X	165.92166	234.42267	209.09018	1.94391	0.1240123	0.27904269	2.3192930	21	5 24.8	20.3
124928 2001 TR_{71}	17.0	X	76.91796	260.81672	137.01524	1.12329	0.0861122	0.31146641	2.1554034	21	—	—
124929 2001 TU_{71}	16.3	X	48.80666	246.62539	205.54982	1.12546	0.0999395	0.26386044	2.4074274	21	—	—
124930 2001 TY_{71}	16.0	X	334.08952	313.89018	219.10334	6.77555	0.0983087	0.26479835	2.4017393	21	—	—
124931 2001 TE_{72}	17.0	X	255.37349	304.64526	101.14470	4.15900	0.1540246	0.28659761	2.2783530	21	7 8.1	19.8
124932 2001 TA_{74}	16.0	X	297.76669	257.73899	225.77742	4.37764	0.1260260	0.30173108	2.2015203	21	—	—
124933 2001 TP_{75}	15.9	X	219.46073	295.98600	53.94563	7.39543	0.1381486	0.27580311	2.3374192	21	3 21.4	19.5
124934 2001 TA_{76}	16.3	X	166.31949	259.76004	85.79525	2.43645	0.2042570	0.26822230	2.3812562	21	1 26.3	19.8
124935 2001 TQ_{76}	16.1	X	67.07678	327.70550	113.49338	3.40513	0.1461862	0.26387242	2.4073545	21	1 8.8	18.1
124936 2001 TV_{77}	15.9	X	332.79318	273.70933	47.05198	14.95264	0.1816879	0.23781853	2.5801141	21	7 3.3	18.7
124937 2001 TO_{78}	16.4	X	216.31295	184.67572	192.29762	3.51805	0.1540432	0.27774055	2.3265364	21	4 18.4	19.8
124938 2001 TU_{78}	15.9	X	318.87123	262.64587	212.36548	5.15194	0.1881117	0.25181825	2.4835786	21	—	—
124939 2001 TA_{79}	15.5	X	236.35234	310.25505	209.76531	6.13594	0.0701414	0.29742573	2.2227145	21	12 7.1	18.0
124940 2001 TP_{79}	15.4	X	249.25341	54.55375	180.80841	6.64921	0.0638732	0.26192634	2.4192640	21	—	—
124941 2001 TR_{79}	16.3	X	290.48442	214.59993	115.67142	3.99653	0.1939289	0.28373511	2.2936509	21	5 2.7	19.2
124942 2001 TV_{79}	17.2	X	307.45395	281.72479	87.40331	2.13881	0.1963842	0.29006548	2.2601574	21	7 27.3	18.9
124943 2001 TW_{79}	16.3	X	145.42936	311.59219	210.56599	6.47276	0.0867883	0.28561172	2.2835930	21	8 13.3	19.6
124944 2001 TZ_{81}	16.9	X	231.97447	33.61798	249.32778	4.99795	0.2270377	0.27298580	2.3534737	21	1 4.6	21.0
124945 2001 TM_{82}	16.1	X	82.91594	190.87461	282.04984	4.98483	0.1568249	0.27251340	2.3561927	21	3 21.9	18.7
124946 2001 TG_{83}	16.2	X	29.81703	128.69511	311.60839	4.86341	0.0965967	0.26150943	2.4218346	21	—	—
124947 2001 TY_{83}	16.7	X	28.20719	355.79204	274.94672	4.15441	0.0328802	0.28975425	2.2617756	21	7 31.5	19.2
124948 2001 TV_{85}	16.3	X	180.21956	222.49135	296.18577	3.86635	0.0945295	0.29331100	2.2434539	21	9 18.9	19.4
124949 2001 TO_{86}	16.6	X	236.17567	54.89254	358.11145	5.33490	0.1331913	0.28644409	2.2791669	21	6 28.0	19.8
124950 2001 TM_{87}	16.4	X	184.81544	249.69787	286.91294	3.80681	0.1156591	0.29662344	2.2267207	21	10 17.5	19.5
124951 2001 TK_{88}	16.1	X	78.59502	238.12515	255.15704	3.44269	0.0893527	0.27535429	2.3399585	21	4 3.9	18.8
124952 2001 TF_{89}	16.1	X	69.41369	76.33790	353.73611	6.52587	0.0933889	0.26532336	2.3985700	21	—	—
124953 2001 TH_{90}	16.2	X	118.82252	152.49066	288.62975	5.00189	0.1088718	0.27324919	2.3519610	21	3 22.2	19.2
124954 2001 TX_{91}	16.2	X	342.07376	207.35084	335.69605	2.34605	0.0867948	0.26920118	2.3754802	21	1 8.5	18.9
124955 2001 TC_{92}	16.9	X	122.78175	35.53429	341.61272	1.99667	0.1186526	0.31631541	2.1333191	21	—	—
124956 2001 TR_{92}	17.6	X	146.79868	358.73762	328.96345	2.92161	0.0537397	0.31325466	2.1471927	21	—	—
124957 2001 TU_{92}	16.6	X	217.98479	257.05623	272.46319	3.77701	0.0693666	0.29995673	2.2101936	21	11 24.6	19.1
124958 2001 TP_{94}	16.5	X	155.71926	358.09056	254.88782	4.56264	0.1321554	0.30484790	2.1864887	21	12 27.5	19.6
124959 2001 TA_{96}	16.6	X	42.36550	17.79286	282.71685	2.26218	0.1579016	0.29620659	2.2288093	21	10 27.8	19.1
124960 2001 TN_{97}	15.6	X	211.28569	218.91322	277.46300	5.73688	0.1439820	0.24132142	2.5550857	21	9 14.3	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124961 2001 TZ_{99}	16.3	X	57.04941	145.25604	314.89541	1.78981	0.1905438	0.26542862	2.3979358	21	1 19.6	18.0
124962 2001 TU_{100}	16.4	X	100.13566	259.34080	248.90463	6.19609	0.0853446	0.27977574	2.3152400	21	5 29.3	19.1
124963 2001 TV_{101}	16.4	X	136.00196	213.35561	240.91480	2.84780	0.0954515	0.27672487	2.3322258	21	5 1.8	19.5
124964 2001 TV_{103}	16.9	X	241.34629	179.09285	307.55950	3.07929	0.1332278	0.29493890	2.2351912	21	10 15.2	19.5
124965 2001 TF_{104}	15.8	X	103.18783	345.29451	46.52555	7.21832	0.0995898	0.26288129	2.4134016	21	—	—
124966 2001 TH_{105}	15.9	X	65.20224	100.40272	309.20574	1.39801	0.1772661	0.25991946	2.4317011	21	—	—
124967 2001 TP_{105}	15.4	X	247.69132	14.83865	43.60304	16.65107	0.1496431	0.23511606	2.5998474	21	7 19.6	19.5
124968 2001 TS_{105}	15.6	X	296.52763	330.85540	43.70683	7.11005	0.1328900	0.28726598	2.2748176	21	7 29.1	18.0
124969 2001 TW_{105}	15.6	X	211.61537	352.98046	39.10813	5.84802	0.2128349	0.27783495	2.3260094	21	5 1.6	19.4
124970 2001 TG_{108}	16.1	X	21.43087	255.81646	238.67184	5.66743	0.0613278	0.26865543	2.3786962	21	1 3.3	18.8
124971 2001 TJ_{109}	15.4	X	68.66437	87.89380	331.89844	6.26176	0.0925589	0.26289939	2.4132908	21	—	—
124972 2001 TO_{110}	15.9	X	268.85693	204.14579	334.31033	4.88779	0.0828540	0.30657772	2.1782564	21	—	—
124973 2001 TQ_{110}	16.0	X	144.17895	17.73461	289.11041	3.63425	0.1347332	0.31020630	2.1612366	21	—	—
124974 2001 TR_{111}	16.2	X	286.67447	200.85933	288.24596	3.14629	0.1018604	0.30146317	2.2028244	21	—	—
124975 2001 TJ_{113}	15.5	X	167.21293	19.34684	274.73112	6.01186	0.0125429	0.21016302	2.8017660	21	—	—
124976 2001 TQ_{113}	15.6	X	270.28086	123.25975	345.61244	4.61495	0.2007528	0.24449062	2.5329575	21	10 13.2	18.5
124977 2001 TS_{113}	16.2	X	150.82464	137.07216	245.50986	4.19688	0.1984033	0.26959660	2.3731568	21	2 23.2	19.8
124978 2001 TE_{114}	16.1	X	199.01553	146.07431	266.38166	6.08455	0.0981072	0.27900666	2.3194927	21	5 17.3	19.3
124979 2001 TD_{120}	15.8	X	69.06569	50.24341	286.92877	8.74077	0.2496195	0.25542284	2.4601574	21	—	—
124980 2001 TV_{122}	16.2	X	294.94947	65.33566	311.57755	3.70140	0.1307770	0.28625475	2.2801718	21	7 27.8	18.4
124981 2001 TX_{126}	17.3	X	223.62551	319.41071	211.79450	5.58035	0.0882639	0.29917736	2.2140303	21	12 2.5	19.8
124982 2001 TC_{130}	16.4	X	26.85516	126.73796	20.32970	1.59351	0.1281433	0.26826418	2.3810084	21	1 26.9	18.4
124983 2001 TX_{130}	16.1	X	351.86837	168.64031	96.53372	6.99229	0.1342087	0.28702689	2.2760807	21	5 19.2	18.0
124984 2001 TH_{131}	16.2	X	129.15978	338.35797	89.54628	7.58894	0.0787062	0.27299488	2.3534215	21	3 20.7	19.3
124985 2001 TK_{131}	12.3	X	62.22671	56.92939	157.34184	12.14882	0.0515909	0.08305892	5.2024972	21	7 3.5	19.2
124986 2001 TP_{132}	16.4	X	146.12366	140.54818	304.56967	9.21054	0.1607517	0.27743814	2.3282267	21	5 4.7	20.1
124987 2001 TO_{133}	15.6	X	246.58087	248.98225	113.82807	10.30799	0.1556244	0.23157122	2.6263121	21	5 6.9	19.8
124988 2001 TF_{138}	16.6	X	298.28170	247.26387	42.05232	6.10156	0.1829144	0.28455006	2.2892696	21	3 19.4	19.5
124989 2001 TB_{139}	16.5	X	106.29509	309.39559	102.69057	5.46810	0.1011761	0.27058038	2.3674011	21	1 26.7	19.1
124990 2001 TT_{142}	16.6	X	217.16454	38.03677	84.98800	5.06645	0.1065376	0.29285584	2.2457778	21	9 17.4	19.6
124991 2001 TY_{143}	16.7	X	83.51077	172.19425	120.34371	4.71717	0.1231238	0.30158527	2.2022298	21	12 4.8	19.6
124992 2001 TP_{144}	16.5	X	47.66084	147.88485	55.46918	7.51321	0.0799735	0.28212609	2.3023635	21	5 26.9	18.7
124993 2001 TR_{144}	15.9	X	286.45776	228.81589	89.49461	6.28380	0.1607762	0.28341435	2.2953812	21	4 17.2	18.9
124994 2001 TL_{145}	15.8	X	5.25476	74.00046	56.86533	8.64143	0.1887487	0.26321177	2.4113811	21	—	—
124995 2001 TS_{145}	16.3	X	148.40265	29.56450	58.77762	7.37385	0.0918028	0.27876271	2.3208457	21	5 9.3	19.3
124996 2001 TJ_{146}	16.6	X	5.54437	47.56890	61.25038	6.83953	0.2420189	0.25939547	2.4349747	21	—	—
124997 2001 TR_{146}	16.2	X	132.11578	323.97374	82.97847	5.80826	0.1743032	0.27082994	2.3659466	21	3 8.7	19.5
124998 2001 TS_{147}	16.2	X	65.77579	321.89085	114.47496	4.48632	0.0898205	0.26527482	2.3988625	21	—	—
124999 2001 TS_{150}	16.4	X	195.66779	217.37781	67.47487	5.64097	0.2194533	0.26620155	2.3932919	21	—	—
125000 2001 TA_{153}	16.6	X	229.57812	348.46758	87.65935	4.05688	0.1205199	0.28677087	2.2774352	21	7 24.3	19.8
125001 2001 TG_{154}	15.7	X	59.99400	290.33986	105.78100	6.76782	0.1006492	0.26113641	2.4241404	21	—	—
125002 2001 TJ_{154}	15.5	X	86.84586	261.27313	85.93119	6.72857	0.1365790	0.25916022	2.4364481	21	—	—
125003 2001 TV_{154}	15.6	X	211.21678	106.08101	129.62071	7.71905	0.0912902	0.25940543	2.4349124	21	—	—
125004 2001 TQ_{155}	17.0	X	57.17555	3.61768	196.41754	4.84386	0.0862888	0.28406830	2.2918571	21	6 9.2	19.4
125005 2001 TO_{157}	16.7	X	52.19227	57.52245	149.85732	2.41878	0.0851405	0.27981514	2.3150226	21	6 11.8	19.1
125006 2001 TK_{159}	16.4	X	330.04957	284.15729	203.72960	2.16291	0.1693241	0.25740693	2.4474992	21	—	—
125007 2001 TN_{159}	16.4	X	85.08375	276.33731	192.04595	4.77234	0.1443806	0.27103022	2.3647808	21	3 19.7	18.8
125008 2001 TJ_{162}	16.6	X	104.90182	216.60662	297.60275	1.74338	0.0785557	0.28269130	2.2992936	21	6 12.5	19.4
125009 2001 TX_{164}	16.8	X	140.11184	176.69245	111.54319	6.62440	0.1654299	0.30939267	2.1650239	21	—	—
125010 2001 TD_{166}	15.9	X	75.63092	144.22294	281.96067	4.87898	0.1033523	0.26298854	2.4127454	21	—	—
125011 2001 TE_{168}	16.2	X	247.18986	116.49359	307.33012	5.99790	0.0604485	0.28673458	2.2776273	21	8 5.8	18.8
125012 2001 TQ_{168}	15.7	X	123.87259	90.66339	268.38475	9.49787	0.2402287	0.26330177	2.4108315	21	1 2.3	18.7
125013 2001 TL_{170}	16.4	X	51.20096	22.02942	263.89679	6.82551	0.1474917	0.29612926	2.2291972	21	10 15.7	19.1
125014 2001 TA_{173}	15.9	X	328.07423	134.81595	192.50777	3.56774	0.1463176	0.23773512	2.5807177	21	7 7.5	18.5
125015 2001 TF_{174}	16.6	X	300.14457	5.59162	259.79851	5.66905	0.1001169	0.27725592	2.3292467	21	2 24.6	19.8
125016 2001 TJ_{174}	16.6	X	16.27104	270.71492	201.69972	6.57124	0.0436208	0.26303562	2.4124575	21	—	—
125017 2001 TM_{174}	16.7	X	235.17538	336.44985	177.21159	3.78353	0.1054452	0.29694167	2.2251295	21	11 21.2	19.4
125018 2001 TY_{177}	17.2	X	189.46381	212.89559	298.03751	2.57877	0.0853992	0.29268663	2.2466433	21	9 20.3	20.3
125019 2001 TW_{179}	16.6	X	144.34798	126.33750	340.34479	2.47426	0.1071876	0.27949426	2.3167942	21	5 30.1	19.8
125020 2001 TC_{181}	16.5	X	179.03955	96.77989	14.02501	7.47835	0.0384855	0.28561362	2.2835829	21	7 17.2	19.5
125021 2001 TH_{183}	16.7	X	59.94525	350.38576	0.40786	5.96816	0.1206499	0.30350052	2.1929552	21	—	—
125022 2001 TL_{184}	16.3	X	27.11798	282.84723	235.39034	3.73792	0.1014320	0.27139247	2.3626761	21	2 11.1	18.7
125023 2001 TB_{188}	15.9	X	137.84660	351.76252	302.94229	3.16185	0.1115727	0.25623625	2.4549482	21	—	—
125024 2001 TJ_{188}	16.3	X	103.68573	140.27825	329.54194	2.38838	0.1146338	0.27271933	2.3550065	21	4 13.3	19.2
125025 2001 TM_{188}	15.7	X	157.74187	186.46421	7.00011	4.59742	0.1172928	0.29227873	2.2487331	21	10 11.7	19.0
125026 2001 TZ_{188}	16.1	X	165.80394	324.93308	236.81537	7.81359	0.0701333	0.29504561	2.2346522	21	11 2.3	18.9
125027 2001 TL_{189}	15.7	X	233.60395	178.18498	330.25367	5.78798	0.0635244	0.24617225	2.5214091	21	11 6.1	19.1
125028 2001 TM_{189}	15.5	X	167.04249	6.96764	300.02602	5.21479	0.1349828	0.26183543	2.4198240	21	—	—
125029 2001 TF_{191}	15.7	X	144.38568	262.31482	320.92836	2.64900	0.1054713	0.29497849	2.2349912	21	11 5.6	18.8
125030 2001 TT_{191}	16.4	X	201.63020	70.02705	8.15531	3.34991	0.1312982	0.28192019	2.3034844	21	6 24.3	19.9
125031 2001 TV_{191}	15.5	X	57.04819	315.23711	289.30234	6.21073	0.1381773	0.28601405	2.2814510	21	8 22.6	18.1
125032 2001 TE_{192}	16.3	X	352.73512	51.65852	323.88732	5.11989	0.1547013	0.29537296	2.2330009	21	11 23.1	18.2
125033 2001 TP_{192}	15.7	X	82.03132	314.32094	268.52600	4.63721	0.1110175	0.28603615	2.2813334	21	8 22.8	18.6
125034 2001 TE_{193}	15.3	X	302.43892	89.92994	320.17918	7.61206	0.0949504	0.28898558	2.2657845	21	10 2.6	17.8
125035 2001 TH_{194}	15.9	X	98.12619	352.69529	311.39241	5.07858	0.2194994	0.30287669	2.1959654	21	—	—
125036 2001 TL_{194}	15.7	X	275.53355	352.77915	357.03978	5.60968	0.1440987	0.23162252	2.6259243	21	5 18.0	19.4
125037 2001 TL_{198}	16.0	X	209.14374	238.08316	78.48472	6.15965	0.1241622	0.27309906	2.3528229	21	1 26.2	19.5
125038 2001 TW_{199}	15.7	X	132.41898	306.30032	99.29496	7.13035	0.1088833	0.27186907	2.3599140	21	2 25.8	18.8
125039 2001 TX_{200}	15.9	X	18.15773	332.33055	60.72569	11.96932	0.1182524	0.25429378	2.4674341	21	—	—
125040 2001 TG_{201}	15.9	X	58.20295	356.29279	101.15084	8.30833	0.1802545	0.26652654	2.3913460	21	1 17.1	17.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125041 2001 TD_{203}	16.6	X	282.39953	274.53422	108.43084	6.66871	0.1479830	0.29021523	2.2593799	21	7 13.3	19.2
125042 2001 TU_{204}	15.9	X	82.06108	315.83021	81.39769	13.78340	0.2278349	0.26274883	2.4142126	21	—	—
125043 2001 TE_{206}	16.8	X	172.46525	173.35319	347.96575	2.36767	0.1793108	0.29271343	2.2465062	21	9 13.4	20.0
125044 2001 TO_{208}	16.6	X	26.70103	62.33295	0.62395	1.86160	0.1657772	0.25709017	2.4495092	21	—	—
125045 2001 TK_{211}	12.2	X	349.71959	267.57538	343.43248	23.57602	0.0131376	0.08310410	5.2006116	21	5 7.6	19.3
125046 2001 TO_{212}	16.4	X	145.38514	173.30386	284.32469	6.55584	0.0616860	0.28068066	2.3102610	21	5 12.8	19.5
125047 2001 TB_{214}	16.9	X	285.57227	245.10514	169.29896	4.56244	0.1556847	0.29065931	2.2570780	21	9 3.4	18.9
125048 2001 TW_{215}	12.5	X	257.85861	12.67881	353.64193	17.04849	0.0742153	0.08138478	5.2736007	21	6 1.0	19.8
125049 2001 TZ_{217}	16.8	X	296.10962	156.44270	178.53450	2.81217	0.1063807	0.23578580	2.5949219	21	6 2.4	20.1
125050 2001 TN_{218}	16.8	X	351.82205	232.89582	128.69289	5.15785	0.1062343	0.29508583	2.2344492	21	10 29.0	18.8
125051 2001 TK_{219}	15.7	X	290.84116	122.21942	75.75259	5.72583	0.1361627	0.26367994	2.4085259	21	—	—
125052 2001 TG_{220}	16.5	X	78.69431	284.20957	264.39228	4.98043	0.1027992	0.28359651	2.2943982	21	6 29.0	19.0
125053 2001 TG_{221}	16.7	X	6.23160	321.01872	329.75986	5.30366	0.2045130	0.29080454	2.2563264	21	8 8.9	17.9
125054 2001 TN_{226}	16.4	X	315.35724	170.46266	48.76330	3.41671	0.1234174	0.27131853	2.3631053	21	1 14.9	19.5
125055 2001 TF_{227}	16.1	X	120.10063	7.70759	39.40350	13.14567	0.2238293	0.27078182	2.3662269	21	3 5.6	19.4
125056 2001 TF_{228}	16.3	X	151.16621	22.58084	246.59407	8.93279	0.1858725	0.25729720	2.4481950	21	—	—
125057 2001 TP_{229}	16.7	X	49.03208	279.93997	85.94646	6.06397	0.2353335	0.30613441	2.1803587	21	—	—
125058 2001 TF_{231}	15.9	X	173.75534	198.51849	133.61774	8.54486	0.0640163	0.26858581	2.3791072	21	1 2.8	19.1
125059 2001 TB_{233}	12.7	X	234.76775	271.51821	113.99412	9.99149	0.0553919	0.08315114	5.1986498	21	6 4.9	19.8
125060 2001 TT_{233}	16.1	X	317.90818	316.00130	246.39614	3.06364	0.0940167	0.26667529	2.3904566	21	—	—
125061 2001 TU_{233}	16.8	X	211.53210	164.66485	5.26465	2.53470	0.0968813	0.29687325	2.2254713	21	11 12.0	19.4
125062 2001 TG_{234}	12.6	X	329.44736	338.11951	302.12319	15.74546	0.0854663	0.08398910	5.1640142	21	5 18.2	19.3
125063 2001 TZ_{234}	16.3	X	129.26616	217.93512	64.31517	12.73538	0.1713258	0.25602380	2.4563061	21	12 30.2	20.4
125064 2001 TK_{236}	15.5	X	219.87787	208.68749	132.58954	10.27230	0.1240861	0.22440900	2.6818997	21	3 16.2	19.8
125065 2001 TE_{237}	16.2	X	203.66604	251.60155	56.62278	6.99391	0.1290533	0.27089502	2.3655676	21	1 10.5	19.8
125066 2001 TF_{237}	16.3	X	144.65214	0.36238	103.99803	5.22570	0.0886986	0.28125774	2.3070999	21	5 26.9	19.3
125067 2001 TC_{238}	15.8	X	98.94815	342.87650	146.22072	7.41871	0.0452015	0.27636357	2.3342580	21	4 26.6	18.7
125068 2001 TR_{240}	16.0	X	298.01703	211.50847	359.57792	6.07745	0.0434102	0.26479089	2.4017844	21	—	—
125069 2001 TA_{241}	15.7	X	75.57271	44.40960	21.61007	6.65665	0.1297241	0.25932427	2.4354204	21	1 3.5	18.3
125070 2001 TR_{241}	16.0	X	323.12086	255.93403	270.20132	1.21667	0.0256391	0.21300178	2.7768168	21	—	—
125071 Lugosi	16.4	X	129.47848	43.84767	72.04097	4.82721	0.0693845	0.28156595	2.3054160	21	5 20.9	19.2
125072 2001 UG	15.8	X	284.88627	63.02580	80.36102	7.04995	0.3506315	0.30188854	2.2007547	21	12 30.5	16.2
125073 2001 UZ	16.8	X	213.16249	225.59474	81.38740	3.00859	0.1796658	0.32056214	2.1144361	21	1 11.2	19.9
125074 2001 UF_{3}	16.6	X	87.42575	212.38738	138.68598	3.64389	0.1913540	0.25852471	2.4404393	21	—	—
125075 2001 UU_{5}	16.1	X	126.41379	211.41068	190.95458	5.38757	0.2257497	0.26665031	2.3906059	21	2 27.1	19.3
125076 Michelmayor	16.1	X	151.04152	226.17496	223.08225	8.13792	0.1474479	0.27621250	2.3351090	21	5 18.4	19.4
125077 2001 UE_{7}	16.4	X	191.75013	209.43179	99.72770	4.98209	0.1812947	0.26838499	2.3802938	21	1 2.9	20.1
125078 2001 UK_{7}	16.5	X	232.22798	127.90111	308.99537	7.66490	0.0877583	0.28741167	2.2740488	21	7 31.9	19.4
125079 2001 UY_{8}	16.8	X	184.57457	105.54860	27.87173	8.74779	0.1379797	0.28784495	2.2717662	21	8 24.5	20.3
125080 2001 UA_{9}	15.4	X	359.06303	174.27350	338.13710	4.42943	0.0542934	0.21597527	2.7512710	21	1 10.3	18.9
125081 2001 UE_{9}	15.8	X	14.49069	62.59563	93.03292	7.14802	0.0687031	0.26839458	2.3802371	21	1 22.9	18.4
125082 2001 UZ_{10}	15.7	X	254.75905	232.05598	219.44166	9.80057	0.1141262	0.23874023	2.5734692	21	9 9.0	19.3
125083 2001 UM_{12}	16.9	X	24.34567	85.70992	329.98020	1.89088	0.1887509	0.25556059	2.4592733	21	—	—
125084 2001 US_{12}	16.8	X	153.60242	250.01917	194.95462	5.00458	0.1997999	0.27529048	2.3403200	21	5 19.5	20.4
125085 2001 UG_{13}	16.1	X	190.60529	346.98260	62.54308	4.03370	0.2978854	0.22713245	2.6604183	21	5 9.2	20.9
125086 2001 UJ_{15}	15.3	X	1.39487	262.10102	74.08090	16.47841	0.3147510	0.24325811	2.5415062	21	10 30.9	17.4
125087 2001 UD_{16}	15.9	X	190.48965	272.09885	77.27189	4.78594	0.1595512	0.27032360	2.3689001	21	2 20.7	19.6
125088 2001 UR_{20}	16.3	X	93.99268	19.53443	94.36605	5.54089	0.1049591	0.27230328	2.3574047	21	4 7.8	19.1
125089 2001 UB_{24}	16.5	X	253.93950	98.01931	286.02706	6.15386	0.1502836	0.28489327	2.2874306	21	6 5.8	19.5
125090 2001 UO_{24}	15.5	X	146.16230	25.87355	340.25208	8.74843	0.0103617	0.26670363	2.3902873	21	1 7.4	18.6
125091 2001 UX_{24}	15.6	X	219.33692	87.97282	298.81623	6.58082	0.1250635	0.28005227	2.3137157	21	5 2.2	19.2
125092 2001 UF_{25}	16.1	X	97.92067	121.76704	299.23380	5.83225	0.0982577	0.26764600	2.3846732	21	1 25.7	18.9
125093 2001 UB_{26}	15.9	X	220.69435	59.98858	333.46038	6.48831	0.1681546	0.28127073	2.3070288	21	5 10.6	19.6
125094 2001 UF_{26}	16.3	X	56.94503	75.27078	274.79353	3.41715	0.1719098	0.30380717	2.1914793	21	—	—
125095 2001 UF_{30}	16.1	X	142.14042	213.67532	121.19503	6.08465	0.1159589	0.26414438	2.4057018	21	—	—
125096 2001 UQ_{30}	16.0	X	305.71374	335.09583	91.60304	7.19517	0.1403105	0.24676434	2.5173742	21	10 28.6	18.6
125097 2001 UW_{30}	16.5	X	270.09362	234.71802	141.99196	7.71210	0.1720226	0.28674520	2.2775711	21	6 13.5	19.6
125098 2001 UT_{32}	16.4	X	265.89381	236.88001	130.35102	7.05576	0.1182381	0.28525532	2.2854947	21	6 2.9	19.5
125099 2001 UM_{33}	16.4	X	226.61243	276.45964	107.67652	6.09949	0.1199005	0.28066954	2.3103221	21	5 11.5	19.8
125100 2001 UA_{34}	15.9	X	279.92898	282.50430	95.56451	8.25761	0.1131093	0.28721141	2.2751057	21	7 8.3	18.4
125101 2001 UM_{34}	16.6	X	270.44959	224.86183	146.75296	5.95533	0.1415030	0.28522691	2.2856465	21	6 11.2	19.6
125102 2001 UH_{35}	15.4	X	83.55770	11.22210	169.32253	11.13298	0.0773861	0.28044016	2.3115817	21	6 20.6	18.4
125103 2001 UU_{35}	15.7	X	348.45126	292.55694	69.69486	15.14391	0.2137575	0.24501858	2.5293177	21	10 25.6	18.0
125104 2001 UR_{37}	16.4	X	40.45149	192.35665	275.55102	5.46444	0.0934503	0.26694140	2.3888677	21	—	—
125105 2001 UZ_{37}	15.6	X	353.73655	0.93966	205.58022	2.71987	0.1050585	0.22492429	2.6778021	21	3 5.4	18.8
125106 2001 UR_{39}	12.9	X	277.71352	240.11809	88.83850	4.29957	0.1065682	0.08209017	5.2433470	21	5 11.6	19.8
125107 2001 UH_{40}	16.6	X	191.35687	241.74856	81.16101	2.40723	0.1998316	0.27008445	2.3702983	21	1 20.3	20.3
125108 2001 UL_{41}	16.3	X	59.90552	31.67107	89.39536	2.33256	0.1333896	0.26874027	2.3781955	21	2 22.1	18.5
125109 2001 UF_{42}	16.3	X	159.12124	276.66622	34.83058	3.48478	0.1831462	0.26360735	2.4089680	21	—	—
125110 2001 UP_{43}	16.5	X	219.38222	244.84860	207.90970	6.28991	0.0498508	0.28786551	2.2716581	21	8 8.9	19.5
125111 2001 UD_{44}	16.1	X	139.22196	333.71952	56.42795	6.45689	0.2155005	0.26923980	2.3752530	21	2 28.3	19.6
125112 2001 UU_{44}	16.8	X	358.17853	210.86775	98.92169	3.00587	0.1638743	0.29070057	2.2568644	21	8 19.8	18.3
125113 2001 UF_{45}	15.8	X	269.79907	53.89561	53.61291	4.54455	0.0031305	0.24766412	2.5112734	21	11 11.7	19.1
125114 2001 UN_{46}	16.1	X	69.01982	53.44970	57.19221	7.24356	0.1015150	0.26839454	2.3802373	21	2 22.9	18.7
125115 2001 UM_{49}	15.3	X	339.19482	91.32218	141.48411	6.79885	0.1145726	0.27319960	2.3522457	21	3 10.7	17.7
125116 2001 UO_{49}	16.3	X	183.53365	343.88631	86.29428	8.39678	0.0706479	0.27880178	2.3206289	21	5 25.6	19.5
125117 2001 UN_{50}	15.5	X	185.65460	268.76381	191.03496	13.82911	0.0783973	0.23198605	2.6231802	21	7 5.6	19.6
125118 2001 UR_{50}	16.6	X	210.17757	160.30890	186.13694	4.31372	0.2530347	0.27407759	2.3472194	21	3 4.4	20.7
125119 2001 UV_{50}	16.8	X	262.14146	237.95683	138.84204	5.40116	0.1755049	0.28366317	2.2940387	21	6 3.6	20.1
125120 2001 UY_{50}	15.8	X	206.62839	237.24719	97.78632	10.93334	0.1820612	0.27132722	2.3630548	21	2 19.2	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125121 2001 UG_{51}	15.0	X	298.58610	107.04433	81.41116	14.41288	0.1839826	0.25802887	2.4435648	21	—	—
125122 2001 UJ_{51}	15.7	X	136.28670	322.08660	71.51337	14.77092	0.1528645	0.26751209	2.3854690	21	2 25.9	19.3
125123 2001 UW_{51}	15.8	X	297.67233	170.16463	42.19610	13.95173	0.1463532	0.26566267	2.3965272	21	—	—
125124 2001 US_{53}	17.2	X	64.40351	233.95765	172.63788	2.50581	0.2203858	0.25991798	2.4317103	21	—	—
125125 2001 UV_{53}	15.9	X	37.41910	194.60982	55.26520	8.96793	0.0932099	0.28533106	2.2850902	21	7 26.0	18.4
125126 2001 UB_{54}	15.6	X	97.00501	260.70750	137.41665	6.85766	0.2888624	0.26215223	2.4178741	21	1 24.9	18.1
125127 2001 UH_{55}	17.0	X	61.06779	121.51941	338.80360	0.61510	0.1590949	0.26736104	2.3863674	21	1 25.6	19.1
125128 2001 UY_{55}	16.4	X	200.41328	216.58067	228.61185	5.72704	0.1036517	0.28529256	2.2852958	21	7 2.9	19.7
125129 2001 UM_{56}	16.8	X	260.75613	47.43246	221.58856	1.64917	0.1935458	0.27345195	2.3507983	21	1 12.2	20.6
125130 2001 UO_{56}	14.0	X	228.15807	91.17867	206.80215	6.50219	0.1828251	0.12273453	4.0101277	21	2 6.3	20.4
125131 2001 UU_{57}	16.9	X	265.78631	151.69337	18.57311	4.34881	0.0756759	0.30648639	2.1786891	21	—	—
125132 2001 UF_{58}	15.6	X	9.29808	279.66844	221.66088	6.21993	0.0623928	0.26649116	2.3915576	21	—	—
125133 2001 UB_{60}	16.3	X	157.79734	101.49605	36.75316	6.40022	0.1001757	0.28487233	2.2875427	21	7 31.1	19.6
125134 2001 UP_{60}	16.3	X	341.49700	285.11373	210.08023	5.82843	0.0624571	0.26278425	2.4139957	21	—	—
125135 2001 UB_{61}	16.3	X	5.81590	269.12385	250.35335	1.36004	0.1408734	0.26810501	2.3819507	21	1 4.5	18.8
125136 2001 UY_{61}	15.4	X	69.66242	163.94109	23.80724	13.57493	0.2053371	0.23057829	2.6338464	21	7 3.3	19.0
125137 2001 UJ_{62}	17.0	X	164.27724	204.01721	242.04817	1.73097	0.1716041	0.27854123	2.3220758	21	5 28.6	20.4
125138 2001 UC_{63}	16.0	X	13.27546	216.67663	270.73449	1.07751	0.1759245	0.26171876	2.4205431	21	—	—
125139 2001 UD_{63}	15.8	X	340.11008	214.43515	233.51835	2.98233	0.0592772	0.25370741	2.4712344	21	—	—
125140 2001 UG_{63}	16.4	X	94.21137	204.49482	219.53328	1.94420	0.1676380	0.26589268	2.3951449	21	2 3.8	19.0
125141 2001 UW_{63}	17.1	X	209.73528	314.76068	15.69578	1.08607	0.2353053	0.27319782	2.3522559	21	2 13.9	21.2
125142 2001 UF_{64}	16.0	X	152.91287	198.57351	266.31115	6.44315	0.0621722	0.28087073	2.3092186	21	6 3.4	19.1
125143 2001 UG_{66}	15.4	X	65.49624	30.00664	36.29408	6.55003	0.0617668	0.26025757	2.4295946	21	—	—
125144 2001 UT_{66}	15.6	X	76.15737	355.22457	334.89017	5.83049	0.1297626	0.25240128	2.4797526	21	—	—
125145 2001 UE_{76}	16.1	X	109.99257	323.89251	89.38829	4.10277	0.1891842	0.26633267	2.3925063	21	2 18.7	18.9
125146 2001 UU_{79}	16.0	X	243.66663	77.60108	57.77326	3.90362	0.1281798	0.24580050	2.5239508	21	10 26.5	19.2
125147 2001 UK_{81}	16.5	X	146.52929	94.94711	75.75279	3.23054	0.0386220	0.28818445	2.2699817	21	8 29.0	19.3
125148 2001 UR_{81}	16.0	X	354.23932	171.40328	42.56046	6.94692	0.0771134	0.27338929	2.3511575	21	3 15.2	18.6
125149 2001 UU_{81}	16.7	X	104.43185	204.79536	103.40721	1.75857	0.1309597	0.30418502	2.1896641	21	—	—
125150 2001 UZ_{81}	16.5	X	175.89029	99.18916	49.06021	6.45134	0.1034762	0.28769595	2.2725506	21	9 4.6	19.8
125151 2001 UB_{82}	17.0	X	15.45008	265.68767	159.93991	1.41878	0.1587737	0.25493700	2.4632820	21	—	—
125152 2001 UO_{83}	16.8	X	203.36942	10.10739	74.67249	4.84827	0.1394637	0.28289593	2.2981847	21	7 4.9	20.3
125153 2001 UZ_{83}	15.9	X	199.96642	151.30910	221.59733	2.45814	0.1191925	0.27366020	2.3496055	21	3 27.3	19.2
125154 2001 UK_{84}	15.5	X	178.08664	316.36382	347.55285	5.69353	0.0738190	0.26291092	2.4132203	21	—	—
125155 2001 UH_{87}	16.7	X	51.39614	216.69009	37.77539	1.57308	0.1085181	0.28778448	2.2720844	21	8 26.9	19.0
125156 2001 UV_{88}	16.5	X	230.61534	359.97428	154.18627	4.86912	0.0810289	0.29986130	2.2106625	21	11 20.5	19.2
125157 2001 UP_{90}	16.8	X	273.22326	95.68265	127.89156	2.02116	0.1357832	0.26383079	2.4076077	21	—	—
125158 2001 UY_{91}	16.3	X	167.50284	68.20471	106.49246	6.07982	0.1544397	0.29030885	2.2588940	21	9 29.9	19.8
125159 2001 UV_{93}	12.1	X	336.42669	191.09236	104.64598	15.33449	0.0675562	0.08223814	5.2370557	21	6 19.4	18.7
125160 2001 UZ_{93}	16.0	X	122.85091	251.74896	83.50688	9.83087	0.2389702	0.26149811	2.4219045	21	—	—
125161 2001 UC_{95}	16.5	X	356.71757	141.34229	329.61322	1.97425	0.1610096	0.25756865	2.4464746	21	—	—
125162 2001 UD_{95}	17.1	X	96.69622	353.99834	356.92712	3.95805	0.1710421	0.30891514	2.1672545	21	—	—
125163 2001 UG_{95}	16.5	X	118.85056	128.42708	13.25409	7.34700	0.0653472	0.27981504	2.3150232	21	6 10.7	19.5
125164 2001 UW_{95}	16.8	X	173.17987	274.63885	148.51261	6.16228	0.1068675	0.27829719	2.3234331	21	5 6.4	20.2
125165 2001 UU_{96}	17.0	X	157.78845	303.31113	174.82222	1.99079	0.1508196	0.28162824	2.3050760	21	7 2.8	20.5
125166 2001 UL_{98}	16.9	X	158.51284	248.13040	110.02266	3.10364	0.0878299	0.31775076	2.1268898	21	1 10.9	19.3
125167 2001 UP_{102}	16.3	X	28.74812	8.77104	126.90015	2.13726	0.1287720	0.26727916	2.3868547	21	1 13.2	18.6
125168 2001 UY_{104}	16.4	X	128.08396	351.47544	149.81184	1.91828	0.0587301	0.23220408	2.6215380	21	6 23.5	20.1
125169 2001 UQ_{105}	16.1	X	317.99732	192.49859	41.92392	5.62068	0.1781002	0.27304940	2.3531082	21	1 31.5	19.1
125170 2001 UV_{105}	16.4	X	132.34464	141.74520	60.64617	6.56603	0.0952892	0.29147741	2.2528526	21	9 29.5	19.5
125171 2001 UZ_{106}	16.2	X	138.13040	138.79919	47.90928	5.28594	0.0837465	0.28889564	2.2662547	21	9 13.3	19.3
125172 2001 UW_{107}	16.7	X	126.38591	94.90224	76.08111	2.75504	0.0908906	0.28554505	2.2839484	21	8 6.6	19.6
125173 2001 UA_{108}	16.6	X	120.92361	164.33926	63.90048	4.61002	0.0846404	0.29271467	2.2464998	21	10 19.1	19.6
125174 2001 UF_{109}	16.1	X	241.41498	16.49583	76.94198	7.48285	0.0632152	0.28882080	2.2666462	21	9 14.6	19.0
125175 2001 UL_{109}	15.2	X	267.65196	250.14077	108.08322	2.18079	0.0807939	0.23039830	2.6352179	21	5 30.5	18.7
125176 2001 UP_{109}	16.4	X	255.51476	249.69726	84.94365	3.92488	0.2341019	0.27830906	2.3233670	21	3 28.8	20.1
125177 2001 UE_{110}	16.8	X	161.07710	135.19865	236.51964	0.46313	0.0412886	0.27141137	2.3625664	21	2 4.7	19.9
125178 2001 UG_{113}	16.7	X	305.26898	153.14877	227.70297	1.06628	0.0445813	0.28831512	2.2692958	21	9 2.0	19.2
125179 2001 UM_{114}	16.1	X	297.79774	27.88842	189.85856	4.21278	0.0934808	0.26627689	2.3928404	21	—	—
125180 2001 UY_{115}	16.2	X	46.94567	36.23686	80.19616	2.64274	0.2168190	0.21371967	2.7705951	21	2 11.7	18.7
125181 2001 UW_{116}	16.1	X	38.03827	207.94965	59.66820	9.09055	0.0578088	0.28709923	2.2756983	21	8 20.9	18.8
125182 2001 UX_{116}	17.1	X	188.94736	283.44387	171.78659	2.56130	0.1312077	0.28215079	2.3022291	21	7 3.7	20.6
125183 2001 UA_{117}	16.3	X	214.30908	136.99050	82.57610	3.98068	0.1228841	0.30416868	2.1897425	21	—	—
125184 2001 US_{117}	15.3	X	63.15890	229.88900	43.91400	6.05819	0.1706268	0.24272333	2.5452378	21	10 15.7	18.6
125185 2001 UE_{118}	16.5	X	191.04340	359.28212	53.00586	6.58198	0.0795927	0.27782359	2.3260728	21	5 9.1	19.6
125186 2001 UH_{118}	16.2	X	52.98030	358.88584	139.61610	1.79867	0.1272175	0.26859414	2.3790580	21	3 5.9	18.5
125187 2001 UQ_{119}	16.8	X	149.34141	292.54426	58.33675	1.37069	0.2398035	0.26603920	2.3942654	21	1 20.4	20.3
125188 2001 UF_{120}	17.1	X	101.79071	92.32994	165.86415	2.51409	0.0192814	0.29543447	2.2326909	21	10 30.3	19.8
125189 2001 UH_{121}	16.1	X	214.91195	279.52966	222.97111	5.75714	0.0340845	0.29266478	2.2467551	21	10 17.3	18.8
125190 2001 UP_{121}	16.1	X	151.46079	91.84144	71.42549	6.88284	0.0843846	0.28590365	2.2820383	21	8 28.2	19.3
125191 2001 UU_{121}	16.8	X	258.51280	355.02675	75.32707	3.30453	0.1304243	0.28852806	2.2681791	21	8 22.2	19.6
125192 2001 UR_{122}	16.4	X	240.18402	315.97649	221.77066	6.78103	0.0681406	0.30031807	2.2084203	21	—	—
125193 2001 UB_{123}	15.9	X	146.20591	184.76409	200.09320	0.52086	0.1953374	0.26819628	2.3814103	21	2 23.2	19.4
125194 2001 UF_{123}	15.4	X	234.53794	178.24278	228.73016	10.95518	0.1733873	0.23230118	2.6208074	21	6 14.5	19.6
125195 2001 UA_{127}	16.0	X	349.15067	224.01553	158.98125	6.27496	0.1232805	0.24705653	2.5153890	21	11 15.1	18.6
125196 2001 UC_{127}	15.6	X	16.04669	28.17801	97.99115	5.72028	0.1429819	0.26199263	2.4188559	21	—	—
125197 2001 UG_{127}	16.4	X	196.06661	20.80716	66.01143	11.71791	0.0947308	0.28239116	2.3009225	21	7 1.0	19.7
125198 2001 UV_{135}	15.2	X	130.75054	100.56621	48.93831	11.26348	0.2041293	0.22938414	2.6429795	21	7 23.2	19.7
125199 2001 UG_{136}	15.8	X	15.88927	14.21793	58.53843	6.83632	0.0645540	0.25510319	2.4622121	21	—	—
125200 2001 UY_{138}	16.6	X	269.62908	181.62523	80.27938	1.53901	0.0588049	0.27032551	2.3688889	21	1 23.3	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125201 2001 UP_{140}	16.4	X	93.16591	70.68142	141.02830	1.81337	0.0382465	0.28772725	2.2723857	21	8 13.1	19.2
125202 2001 US_{140}	17.0	X	206.53820	307.72453	193.96887	4.64398	0.0613857	0.29287004	2.2457052	21	10 2.1	19.9
125203 2001 UY_{140}	16.4	X	133.57146	294.49693	207.07429	4.42746	0.0918709	0.28222384	2.3018318	21	7 3.4	19.6
125204 2001 UE_{144}	15.8	X	128.81474	353.80494	202.18734	8.53951	0.1006196	0.23863954	2.5741931	21	9 7.1	19.7
125205 2001 UW_{145}	16.6	X	131.99890	246.39112	58.61186	2.01071	0.1857985	0.25777261	2.4451839	21	—	—
125206 2001 UQ_{148}	16.4	X	131.38672	0.35312	220.49274	6.21997	0.1085202	0.29291433	2.2454789	21	10 19.8	19.6
125207 2001 UB_{149}	15.7	X	32.90187	173.31470	53.62303	4.31837	0.1083171	0.27983730	2.3149004	21	6 9.5	17.8
125208 2001 UD_{149}	16.7	X	65.90751	294.59626	212.19033	3.11854	0.1818776	0.27047815	2.3679976	21	4 19.3	18.8
125209 2001 UH_{149}	15.7	X	17.62143	101.39556	64.79010	5.57611	0.1748590	0.26652071	2.3913808	21	2 4.6	17.9
125210 2001 UQ_{149}	16.4	X	189.05802	182.32877	132.91738	2.73014	0.2105857	0.26695950	2.3887597	21	1 9.6	20.2
125211 2001 US_{149}	15.8	X	303.21444	351.72838	58.69178	2.54669	0.0393928	0.24253560	2.5465510	21	10 8.3	18.9
125212 2001 UE_{150}	15.8	X	282.39171	182.88697	226.87059	2.60707	0.0059819	0.23917326	2.5703620	21	9 9.2	19.2
125213 2001 UO_{150}	16.5	X	116.49067	7.35759	69.64133	1.81475	0.1588702	0.26946810	2.3739112	21	3 25.6	19.6
125214 2001 UY_{150}	15.7	X	195.06352	82.81741	59.09640	14.29081	0.0856371	0.23828173	2.5767694	21	9 19.9	19.7
125215 2001 UY_{151}	15.6	X	249.43368	291.79146	80.33876	2.87266	0.1070400	0.23036143	2.6354991	21	5 23.3	19.4
125216 2001 UB_{152}	15.9	X	46.83993	239.87845	73.43015	5.07360	0.1780767	0.24581589	2.5238454	21	11 16.7	19.1
125217 2001 UW_{152}	16.5	X	193.84209	188.95017	225.37416	2.40739	0.0888412	0.27763169	2.3271445	21	5 15.0	19.8
125218 2001 US_{153}	16.4	X	141.92551	267.84207	145.21815	2.31173	0.1907322	0.27036531	2.3686564	21	3 27.1	19.7
125219 2001 UZ_{153}	15.9	X	322.95622	227.86413	65.91267	7.40175	0.1127341	0.27985685	2.3147926	21	5 11.9	18.3
125220 2001 UL_{154}	16.0	X	164.22207	31.36450	53.07138	7.05809	0.0553140	0.27676941	2.3319755	21	5 19.5	19.0
125221 2001 UR_{156}	15.7	X	345.74908	64.47619	82.78702	5.66746	0.1416776	0.25987370	2.4319865	21	—	—
125222 2001 UW_{156}	16.2	X	355.78665	142.69155	192.89478	5.09828	0.2412773	0.24306753	2.5428344	21	9 24.1	17.8
125223 2001 UR_{157}	16.5	X	196.77645	294.95011	87.10609	3.16331	0.0601561	0.27440252	2.3453661	21	4 6.2	19.6
125224 2001 UC_{158}	16.1	X	260.55885	63.66945	60.25057	5.23033	0.1190794	0.24509818	2.5287700	21	11 4.2	19.1
125225 2001 UG_{158}	16.2	X	276.23987	215.80273	167.42399	1.57130	0.1515400	0.23588742	2.5941765	21	7 3.7	19.7
125226 2001 UN_{158}	16.5	X	45.81445	313.37400	104.31067	2.48072	0.1735141	0.25751279	2.4468284	21	—	—
125227 2001 UX_{158}	15.9	X	256.35908	83.54072	168.53944	3.50600	0.1315003	0.26417650	2.4055068	21	—	—
125228 2001 UD_{159}	16.3	X	4.14718	226.70982	99.26954	2.96549	0.0416727	0.23926548	2.5697015	21	9 12.6	19.5
125229 2001 UU_{159}	16.2	X	132.56364	341.37537	211.82356	4.95545	0.0925835	0.28705318	2.2759418	21	9 11.4	19.4
125230 2001 UC_{160}	16.1	X	13.55722	174.92027	83.30824	3.37570	0.1247113	0.28146939	2.3059432	21	6 22.8	18.1
125231 2001 UE_{161}	16.2	X	5.01797	91.69270	77.46478	7.47297	0.0587320	0.26612322	2.3937615	21	1 29.7	19.0
125232 2001 UM_{161}	16.3	X	224.53567	85.25596	62.57297	3.93095	0.0296196	0.29404185	2.2397349	21	11 9.3	18.9
125233 2001 UP_{161}	16.4	X	115.76662	50.92046	59.08054	7.99318	0.0577519	0.27333380	2.3514757	21	4 24.5	19.4
125234 2001 UT_{162}	16.1	X	292.99554	12.69569	211.10489	4.40316	0.1185265	0.26502370	2.4003777	21	—	—
125235 2001 UE_{163}	15.9	X	349.52611	75.39868	53.58497	8.38915	0.1260645	0.25782666	2.4448422	21	—	—
125236 2001 UH_{163}	16.8	X	219.15949	55.01846	58.99282	6.44172	0.1096174	0.28785713	2.2717021	21	9 7.2	19.9
125237 2001 UN_{164}	15.9	X	275.07699	109.73755	79.25194	7.25343	0.0885459	0.25805192	2.4434192	21	—	—
125238 2001 UF_{170}	16.6	X	237.42460	148.73430	352.44910	3.33829	0.0865263	0.29668167	2.2264293	21	11 7.6	19.2
125239 2001 UY_{170}	16.0	X	5.73692	332.83063	238.09721	5.01274	0.1492444	0.27509148	2.3414486	21	3 16.7	18.3
125240 2001 UU_{171}	16.5	X	245.92884	254.33473	299.57665	3.66129	0.0653227	0.30421101	2.1895394	21	—	—
125241 2001 UV_{173}	16.5	X	114.37120	68.67483	60.13526	4.22036	0.0750574	0.27734961	2.3287222	21	5 19.7	19.3
125242 2001 UC_{174}	16.3	X	179.67696	203.57223	65.49285	6.52901	0.1066963	0.25791188	2.4443036	21	—	—
125243 2001 UM_{174}	16.2	X	265.49907	150.25210	70.69124	2.66540	0.0693970	0.26147100	2.4220719	21	—	—
125244 2001 UY_{174}	15.8	X	251.98556	229.21302	223.35621	4.87253	0.1274007	0.24033002	2.5621076	21	9 6.6	19.3
125245 2001 UB_{175}	15.3	X	14.67647	228.49232	73.90961	14.21048	0.1179155	0.23849257	2.5752505	21	9 9.6	18.5
125246 2001 UN_{175}	15.6	X	310.25087	76.30558	69.85852	6.76173	0.0572399	0.25778957	2.4450767	21	—	—
125247 2001 UC_{176}	16.3	X	296.17447	206.18338	353.02011	4.99354	0.1614326	0.26474580	2.4020571	21	—	—
125248 2001 UO_{179}	17.3	X	61.65337	54.34220	302.06795	2.15935	0.1772806	0.30494597	2.1860199	21	—	—
125249 2001 UO_{196}	16.8	X	181.43268	192.16602	16.90474	5.11518	0.0646824	0.29833443	2.2181988	21	12 1.7	19.8
125250 2001 UB_{204}	16.5	X	233.01139	179.08930	15.48036	7.78091	0.0499735	0.30443236	2.1884779	21	—	—
125251 2001 UD_{204}	16.9	X	339.76899	307.69284	343.62814	1.60239	0.0871384	0.28438165	2.2901732	21	6 9.5	19.1
125252 2001 UH_{205}	16.6	X	240.54131	321.90428	338.71009	3.18299	0.1295479	0.27199102	2.3592086	21	2 5.4	20.0
125253 2001 UJ_{205}	16.7	X	277.31313	170.83903	329.86544	2.79934	0.0456234	0.30225210	2.1989895	21	—	—
125254 2001 UT_{205}	15.8	X	75.41572	125.01544	10.87979	3.05399	0.0407829	0.22310904	2.6923072	21	4 4.6	19.3
125255 2001 UA_{216}	15.9	X	278.00086	283.02878	280.19159	3.85267	0.0757963	0.26164823	2.4209780	21	—	—
125256 2001 UK_{217}	16.3	X	219.33119	287.01398	200.39621	7.68328	0.0771414	0.24110569	2.5566096	21	9 20.2	20.0
125257 2001 UM_{218}	16.3	X	23.96126	279.92284	245.59155	4.44294	0.1678827	0.26897374	2.3768191	21	2 12.4	18.4
125258 2001 UH_{219}	16.3	X	16.28927	138.39959	11.15195	2.57954	0.1634291	0.26570801	2.3962545	21	1 7.5	18.4
125259 2001 UQ_{219}	16.3	X	260.25048	194.06856	177.27340	5.80193	0.0921761	0.28247880	2.3004465	21	6 4.7	19.4
125260 2001 UF_{220}	17.0	X	207.04670	200.23133	325.97097	1.06986	0.0112857	0.29724319	2.2236244	21	11 13.3	19.4
125261 2001 UG_{220}	16.8	X	103.20804	176.44659	12.34774	4.46131	0.0633706	0.28495024	2.2871257	21	7 30.1	19.6
125262 2001 UV_{220}	16.3	X	335.90958	284.82981	262.95053	4.16830	0.1236438	0.26631699	2.3926002	21	—	—
125263 2001 UW_{221}	16.3	X	337.87608	158.66615	61.72287	3.22702	0.1575213	0.26984540	2.3716979	21	2 12.6	19.0
125264 2001 UX_{221}	16.8	X	302.55168	249.94573	59.92262	3.08711	0.1551924	0.28043458	2.3116123	21	4 25.7	19.6
125265 2001 UT_{222}	15.9	X	69.57347	10.89569	184.41253	1.96219	0.0566175	0.22945706	2.6424195	21	6 18.5	19.2
125266 2001 VG	17.2	X	181.89578	355.41323	81.55319	4.82062	0.1207350	0.28082959	2.3094442	21	6 1.9	20.6
125267 2001 VL_{1}	16.7	X	101.61717	56.93444	357.00826	2.08457	0.2174267	0.26555054	2.3972018	21	2 11.2	19.3
125268 2001 VJ_{2}	16.1	X	306.82221	73.69089	39.49292	4.92643	0.0910877	0.30043595	2.2078426	21	—	—
125269 2001 VP_{3}	16.6	X	211.51369	210.67062	226.46580	4.96383	0.0944534	0.28409823	2.2916961	21	7 5.1	19.7
125270 2001 VT_{3}	16.4	X	101.75700	88.28770	246.47031	5.61034	0.1310802	0.25757131	2.4464578	21	—	—
125271 2001 VR_{5}	17.1	X	110.80981	339.62281	352.44627	2.15329	0.2234777	0.25951751	2.4342113	21	—	—
125272 2001 VC_{6}	17.1	X	109.64550	12.27321	351.15788	0.74001	0.2041936	0.26201091	2.4187434	21	—	—
125273 2001 VA_{8}	16.1	X	236.31760	158.85629	54.98034	6.96930	0.0742640	0.25669257	2.4520379	21	—	—
125274 2001 VE_{10}	15.6	X	261.41347	183.73502	265.89600	13.11920	0.1274959	0.24174257	2.5521172	21	9 9.5	19.3
125275 2001 VW_{11}	14.3	X	352.21240	309.21445	250.92121	30.55708	0.0976236	0.21906983	2.7253002	21	2 8.8	18.5
125276 2001 VV_{12}	15.5	X	43.15162	219.86797	269.30206	13.65190	0.1445533	0.26440226	2.4041373	21	1 27.7	17.9
125277 2001 VL_{13}	16.1	X	269.58162	355.21619	356.22893	5.99640	0.1354772	0.28178551	2.3042182	21	5 10.5	19.2
125278 2001 VS_{13}	16.5	X	281.62194	58.88495	296.02768	5.12689	0.1674389	0.28410963	2.2916348	21	5 27.5	19.3
125279 2001 VE_{14}	15.8	X	207.88397	198.22558	354.95630	6.21094	0.0395613	0.29844805	2.2176358	21	12 18.1	18.5
125280 2001 VH_{14}	16.1	X	215.15475	30.58418	31.35763	13.27298	0.0866064	0.23112974	2.6296553	21	6 19.1	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125281 2001 VZ_{14}	16.1	X	297.28311	103.95485	290.73590	5.29494	0.1034765	0.28940084	2.2636165	21	8 30.8	18.5
125282 2001 VM_{15}	16.1	X	95.22806	140.15778	309.69177	6.29615	0.0856712	0.26751334	2.3854616	21	2 27.1	18.8
125283 2001 VN_{18}	16.6	X	334.55537	109.81599	15.48348	1.35577	0.1299589	0.25628602	2.4546304	21	—	—
125284 2001 VH_{19}	16.5	X	236.74405	80.73023	37.52533	4.01322	0.1162474	0.24158565	2.5532223	21	9 27.1	19.9
125285 2001 VN_{21}	17.0	X	11.41733	97.16009	255.78997	1.54162	0.1081408	0.29573509	2.2311776	21	11 17.2	19.1
125286 2001 VZ_{22}	13.8	X	171.22967	35.11221	42.34614	6.92453	0.2684999	0.12604530	3.9395953	21	5 30.3	20.5
125287 2001 VG_{23}	15.7	X	243.25838	291.88956	243.61603	3.12115	0.0654923	0.30061020	2.2069894	21	—	—
125288 2001 VQ_{23}	15.8	X	208.97260	288.65651	37.51882	5.23371	0.0951312	0.26888855	2.3773211	21	2 7.9	19.2
125289 2001 VH_{24}	15.7	X	278.44938	40.38193	44.00829	5.15433	0.0626450	0.24281123	2.5446235	21	10 15.9	18.7
125290 2001 VL_{24}	16.4	X	102.84675	47.79695	28.20602	1.68120	0.1494504	0.26731061	2.3866675	21	3 4.1	19.2
125291 2001 VR_{24}	16.4	X	274.75037	209.62729	239.53600	3.83596	0.1198049	0.29266355	2.2467614	21	10 13.6	18.6
125292 2001 VU_{24}	16.5	X	79.44331	82.03552	321.08799	1.47303	0.1918887	0.26067793	2.4269819	21	—	—
125293 2001 VV_{25}	15.8	X	311.18708	276.87888	34.43265	1.88737	0.1059829	0.23060972	2.6336071	21	5 22.3	19.0
125294 2001 VA_{26}	16.1	X	24.82348	34.51177	90.84214	3.52029	0.0723287	0.26269199	2.4145609	21	—	—
125295 2001 VJ_{26}	15.9	X	77.73824	15.97110	33.04209	3.66984	0.0800465	0.26054031	2.4278365	21	—	—
125296 2001 VS_{27}	16.4	X	189.15084	279.07670	156.82849	1.26121	0.2014126	0.27891678	2.3199909	21	6 7.9	20.1
125297 2001 VW_{27}	16.0	X	141.57064	341.47257	45.38255	3.37968	0.1784671	0.26735578	2.3863986	21	2 20.8	19.3
125298 2001 VC_{28}	15.7	X	70.30241	160.64924	244.87333	4.52831	0.0910546	0.25886827	2.4382796	21	—	—
125299 2001 VK_{28}	16.6	X	102.92935	29.45742	5.05657	0.70372	0.1827446	0.26268821	2.4145841	21	1 11.7	19.1
125300 2001 VT_{28}	15.6	X	202.27545	80.27336	255.69412	6.74369	0.2395828	0.27075607	2.3663769	21	2 12.0	19.8
125301 2001 VW_{28}	16.4	X	110.75498	50.08532	56.73756	6.02633	0.1085080	0.27153004	2.3618780	21	4 20.8	19.3
125302 2001 VY_{28}	16.1	X	123.44190	87.22956	63.12360	6.39199	0.0878850	0.27887427	2.3202267	21	7 3.5	19.2
125303 2001 VS_{29}	15.9	X	350.49845	92.91884	58.54659	12.72610	0.1514021	0.25945249	2.4346180	21	—	—
125304 2001 VO_{30}	15.1	X	264.66750	243.14410	59.51338	7.75258	0.1225606	0.27242106	2.3567251	21	3 9.0	18.5
125305 2001 VU_{30}	16.2	X	86.16882	96.89194	349.01418	2.16855	0.1060669	0.26540240	2.3980937	21	2 13.6	18.9
125306 2001 VV_{30}	15.8	X	354.88361	359.86957	340.83524	2.31200	0.0808259	0.23937687	2.5689043	21	9 18.8	18.7
125307 2001 VC_{32}	15.8	X	167.21215	12.86338	28.56650	2.05085	0.0886567	0.27151280	2.3619779	21	3 29.1	18.9
125308 2001 VE_{32}	16.2	X	94.51059	136.57319	271.33303	2.36511	0.1386742	0.26231160	2.4168946	21	1 9.6	18.6
125309 2001 VK_{32}	15.7	X	150.07573	323.32120	32.87861	3.18703	0.1851818	0.26471300	2.4022555	21	1 22.6	19.1
125310 2001 VN_{32}	15.6	X	30.94968	120.18916	303.65643	2.15454	0.1711901	0.25517280	2.4617642	21	—	—
125311 2001 VV_{32}	15.9	X	308.73439	251.47048	250.24390	3.98592	0.1158318	0.25260172	2.4784406	21	—	—
125312 2001 VK_{33}	15.8	X	257.09994	101.45209	47.65978	6.26818	0.0999286	0.24654503	2.5188669	21	12 4.7	18.8
125313 2001 VD_{34}	16.3	X	148.79247	2.51775	68.39427	7.31937	0.0857486	0.27233279	2.3572344	21	4 17.9	19.5
125314 2001 VW_{34}	15.9	X	65.73262	191.61768	227.25154	1.93279	0.1798560	0.25941027	2.4348821	21	—	—
125315 2001 VY_{34}	17.2	X	183.31619	132.97592	289.53281	1.76257	0.1623198	0.27636360	2.3342578	21	5 15.2	20.9
125316 2001 VE_{35}	16.1	X	259.32041	67.75627	262.98752	4.09588	0.1507913	0.27595219	2.3365773	21	3 30.3	19.5
125317 2001 VG_{36}	16.5	X	255.54850	87.20909	264.93088	3.42455	0.1666271	0.27853301	2.3221215	21	4 22.7	20.0
125318 2001 VX_{36}	16.2	X	108.92050	11.07638	79.41903	1.18140	0.1327788	0.26870343	2.3784129	21	3 29.8	19.0
125319 2001 VZ_{38}	16.4	X	5.53132	142.29684	46.13018	7.75544	0.0307333	0.26922597	2.3753343	21	3 2.6	19.3
125320 2001 VD_{39}	16.4	X	309.79811	82.61058	43.20533	1.56788	0.0943415	0.25185553	2.4833335	21	—	—
125321 2001 VB_{40}	16.6	X	27.86859	319.05704	42.41336	3.95154	0.0620897	0.29712862	2.2241960	21	12 17.4	19.1
125322 2001 VE_{40}	16.5	X	52.70650	94.77958	342.81224	0.76372	0.1468714	0.25967319	2.4332383	21	—	—
125323 2001 VL_{41}	15.5	X	140.20701	74.67407	85.69467	6.27189	0.1329897	0.28088576	2.3091363	21	8 11.9	18.9
125324 2001 VY_{41}	15.4	X	253.39965	172.32561	251.25771	3.48943	0.0872462	0.23573638	2.5952845	21	8 6.6	18.9
125325 2001 VU_{43}	16.1	X	146.19270	313.91327	81.69974	2.26598	0.1907130	0.26813896	2.3817496	21	3 9.7	19.5
125326 2001 VJ_{44}	16.3	X	73.61719	60.78198	77.84529	2.23485	0.1325145	0.26860022	2.3790221	21	4 14.2	18.8
125327 2001 VQ_{44}	15.4	X	337.00964	204.24276	221.84609	3.68053	0.1500492	0.24729384	2.5137795	21	12 24.6	17.7
125328 2001 VC_{46}	15.1	X	180.33986	238.45353	261.86963	12.46072	0.1151643	0.23211683	2.6221949	21	8 16.9	19.4
125329 2001 VO_{46}	16.2	X	149.38317	37.07931	49.35030	2.90812	0.1711403	0.27233546	2.3572190	21	5 14.5	19.8
125330 2001 VR_{47}	15.8	X	256.24100	132.83560	275.32348	1.11730	0.1162929	0.23375611	2.6099212	21	7 17.2	19.3
125331 2001 VU_{47}	16.2	X	122.97274	94.16084	296.17031	1.72411	0.1978322	0.26432101	2.4046300	21	2 4.9	19.4
125332 2001 VL_{48}	15.1	X	354.99092	284.12870	70.93268	15.49487	0.1454945	0.24110065	2.5566452	21	10 22.7	17.9
125333 2001 VN_{48}	15.2	X	260.58495	241.85912	246.49413	6.65820	0.1832983	0.24277988	2.5448426	21	10 28.5	18.4
125334 2001 VQ_{48}	15.1	X	160.24189	320.88691	71.75336	10.88033	0.1452862	0.26891287	2.3771778	21	3 20.9	18.8
125335 2001 VZ_{48}	16.1	X	102.46227	44.96211	26.57253	2.51898	0.1658425	0.26385445	2.4074638	21	3 1.0	18.8
125336 2001 VA_{49}	14.8	X	290.83865	128.93167	279.48273	13.30030	0.1014084	0.23600360	2.5933251	21	8 30.3	18.3
125337 2001 VE_{51}	16.1	X	117.31573	119.98047	301.13109	7.34089	0.0632571	0.27015115	2.3699081	21	2 15.3	18.9
125338 2001 VP_{51}	15.8	X	280.69472	69.89850	14.20362	5.81367	0.0646878	0.29519772	2.2338845	21	10 24.9	18.0
125339 2001 VQ_{51}	16.4	X	165.28634	61.68381	10.46042	6.84973	0.0754004	0.27767916	2.3268793	21	5 3.4	19.7
125340 2001 VE_{52}	15.3	X	256.56939	333.45292	248.12209	6.13621	0.0698698	0.26152844	2.4217172	21	—	—
125341 2001 VV_{52}	16.7	X	34.10350	12.65426	334.55890	5.15234	0.1536741	0.29980240	2.2109520	21	12 21.8	19.4
125342 2001 VA_{53}	16.0	X	24.48586	81.58966	1.65445	6.20252	0.1123667	0.25879220	2.4387574	21	—	—
125343 2001 VA_{54}	16.5	X	183.31868	146.69221	3.33644	4.95576	0.0809678	0.28953960	2.2628932	21	9 13.8	19.3
125344 2001 VB_{54}	16.4	X	309.44242	127.30704	281.78202	3.88603	0.0207679	0.29445786	2.2376249	21	10 21.9	19.0
125345 2001 VP_{54}	15.4	X	59.90148	90.33274	279.55595	6.69667	0.1549017	0.25553040	2.4594670	21	—	—
125346 2001 VU_{54}	16.0	X	69.68628	134.81702	282.33925	5.20475	0.0597086	0.26198477	2.4189043	21	—	—
125347 2001 VN_{55}	16.4	X	233.33153	170.29458	267.54960	4.99273	0.1261291	0.28668755	2.2778764	21	7 28.7	19.5
125348 2001 VB_{57}	16.2	X	18.65576	264.14930	278.58322	6.38604	0.1467571	0.27081465	2.3660356	21	2 27.5	18.4
125349 2001 VA_{59}	15.8	X	212.43025	0.87867	28.14362	7.70567	0.1281556	0.27852644	2.3221580	21	4 29.7	19.2
125350 2001 VD_{59}	15.7	X	192.02088	71.01754	253.03089	5.65636	0.1280390	0.26793775	2.3829419	21	1 17.2	19.2
125351 2001 VA_{60}	16.9	X	333.58514	34.95542	284.81104	4.61086	0.1878133	0.28779021	2.2720543	21	7 2.3	18.5
125352 2001 VB_{60}	17.1	X	45.77622	21.34429	357.55303	3.57966	0.1582956	0.30434673	2.1888884	21	—	—
125353 2001 VA_{61}	15.7	X	247.08838	10.76443	259.12066	12.41058	0.1766935	0.26760924	2.3848916	21	1 2.2	19.6
125354 2001 VT_{61}	16.8	X	191.98529	68.27658	351.54806	3.90616	0.1250453	0.27867475	2.3213340	21	5 19.2	20.2
125355 2001 VR_{62}	16.1	X	117.60829	203.51124	34.02458	6.64080	0.0705258	0.29319939	2.2440232	21	10 25.4	18.9
125356 2001 VW_{62}	16.1	X	62.27699	157.24689	320.59883	3.25270	0.1848561	0.26629038	2.3927596	21	2 26.6	17.9
125357 2001 VK_{64}	16.7	X	175.33552	73.19866	305.96399	3.34568	0.0486821	0.27082704	2.3659635	21	3 4.3	19.9
125358 2001 VU_{64}	16.1	X	272.50269	301.98246	33.48600	11.04795	0.1583942	0.28020427	2.3128788	21	4 21.5	19.2
125359 2001 VF_{65}	16.0	X	18.79919	20.03790	42.56940	10.02693	0.1113912	0.25431353	2.4673063	21	—	—
125360 2001 VL_{65}	16.5	X	172.56427	180.87879	268.39674	5.20129	0.1235088	0.27867153	2.3213519	21	6 8.4	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125361 2001 VB_{66}	16.4	X	125.53153	93.76465	344.37759	2.69739	0.1637165	0.27057718	2.3674198	21	4 5.9	19.7
125362 2001 VL_{66}	16.3	X	137.94999	121.24948	278.12788	2.91900	0.1241801	0.26805771	2.3822309	21	2 22.9	19.6
125363 2001 VF_{67}	15.6	X	306.09789	12.47420	28.00185	3.67417	0.1658244	0.24102339	2.5571915	21	9 14.1	18.1
125364 2001 VT_{68}	15.6	X	46.72954	217.59308	291.42316	11.65518	0.2241221	0.21825206	2.7321035	21	3 22.0	18.5
125365 2001 VD_{69}	15.4	X	85.14528	153.70080	59.47076	1.97720	0.0959144	0.18463708	3.0543826	21	8 8.9	19.7
125366 2001 VS_{70}	17.3	X	179.29427	206.91234	234.84836	0.83131	0.1337563	0.27798418	2.3251769	21	6 5.7	20.5
125367 2001 VZ_{70}	16.6	X	177.40184	227.44064	258.40581	4.54712	0.0854760	0.28324212	2.2963116	21	8 1.5	19.9
125368 2001 VD_{71}	14.5	X	38.75550	279.39282	33.95073	6.04445	0.2142454	0.24296986	2.5435159	21	11 9.7	17.7
125369 2001 VK_{71}	15.2	X	176.81717	33.34853	77.92814	28.16951	0.1358287	0.22612887	2.6682839	21	7 11.2	19.7
125370 2001 VP_{71}	15.3	X	103.37212	259.87721	4.77830	2.09422	0.0883442	0.24684890	2.5167993	21	11 7.8	18.9
125371 2001 VV_{71}	15.3	X	108.52832	290.20982	54.25934	7.08706	0.1390196	0.25722737	2.4486381	21	—	—
125372 2001 VE_{72}	16.2	X	246.32242	57.32996	343.61855	3.30974	0.0441709	0.28295937	2.2978411	21	7 5.2	18.9
125373 2001 VN_{74}	16.4	X	29.21504	345.15324	234.26813	6.29370	0.0677077	0.27816612	2.3241629	21	5 19.0	18.6
125374 2001 VY_{74}	16.0	X	297.66543	265.86069	92.58791	5.85763	0.2433498	0.28983352	2.2613631	21	6 12.9	18.5
125375 2001 VG_{77}	15.8	X	149.80906	289.66795	200.47342	2.97041	0.2161510	0.22901169	2.6458443	21	7 13.3	20.3
125376 2001 VL_{77}	15.8	X	340.60874	45.00451	56.64833	15.19753	0.0389727	0.25616637	2.4553946	21	—	—
125377 2001 VY_{78}	16.7	X	65.37844	198.43301	233.78339	4.79423	0.1092776	0.26268164	2.4146243	21	—	—
125378 2001 VF_{79}	15.8	X	50.46324	253.23067	43.75901	3.15139	0.0341972	0.24191295	2.5509188	21	10 8.4	19.0
125379 2001 VJ_{79}	15.8	X	287.76068	188.74231	246.97449	5.28517	0.0267858	0.24355689	2.5394272	21	10 19.4	19.1
125380 2001 VL_{79}	16.3	X	221.15154	121.20564	255.15461	5.05153	0.1339726	0.27769865	2.3267704	21	4 21.1	19.8
125381 2001 VW_{79}	17.1	X	315.69502	204.70126	177.96400	6.00595	0.1920993	0.29163127	2.2520602	21	9 7.4	18.6
125382 2001 VD_{80}	14.9	X	216.86565	321.42539	82.36759	16.33833	0.1726728	0.22702430	2.6612632	21	5 26.9	19.2
125383 2001 VJ_{80}	15.5	X	220.02506	269.54665	356.02445	5.58797	0.0826412	0.26347745	2.4097598	21	—	—
125384 2001 VQ_{80}	16.1	X	130.03927	336.53874	335.81195	4.02877	0.1925687	0.25885394	2.4383695	21	—	—
125385 2001 VQ_{82}	16.4	X	74.93155	18.65939	91.03667	4.65252	0.1471943	0.26805459	2.3822494	21	3 8.6	18.8
125386 2001 VG_{83}	15.8	X	153.23137	309.38488	243.41030	6.20233	0.1178804	0.29222991	2.2489835	21	10 4.1	19.1
125387 2001 VN_{83}	16.0	X	55.03780	131.39943	9.53017	2.84255	0.1051076	0.27052695	2.3677128	21	3 11.2	18.2
125388 2001 VF_{84}	15.2	X	68.27362	97.62986	80.21173	13.80494	0.1550152	0.22396006	2.6854825	21	6 8.1	18.4
125389 2001 VG_{84}	15.5	X	202.08467	318.85772	157.96633	3.73407	0.1206527	0.23455195	2.6040142	21	8 14.6	19.3
125390 2001 VZ_{84}	16.1	X	237.45805	325.13565	320.67886	6.17917	0.1015276	0.26892388	2.3771129	21	1 16.4	19.5
125391 2001 VK_{88}	16.1	X	96.42312	268.33710	180.31504	5.57148	0.2494126	0.26477471	2.4018823	21	3 28.9	18.7
125392 2001 VU_{91}	16.3	X	180.69125	333.38105	111.70786	10.04974	0.1552813	0.27930034	2.3178664	21	6 12.8	20.0
125393 2001 VS_{94}	16.3	X	148.74027	278.15987	127.27320	10.96059	0.2352112	0.27033201	2.3688510	21	4 1.0	20.2
125394 2001 VN_{96}	15.9	X	335.06956	212.16901	148.06276	12.98755	0.1638926	0.24008800	2.5638291	21	9 13.2	18.2
125395 2001 VS_{96}	15.1	X	305.95106	248.76241	149.06637	11.78970	0.1594906	0.23993624	2.5649101	21	9 10.9	17.8
125396 2001 VW_{97}	14.9	X	344.79547	186.71975	178.61803	15.07285	0.1195481	0.24044656	2.5612797	21	10 10.6	17.5
125397 2001 VD_{98}	14.8	X	264.54893	221.46623	189.14451	13.12299	0.1744404	0.23478354	2.6023015	21	7 20.0	18.7
125398 2001 VZ_{98}	15.8	X	229.90177	275.31331	180.94845	11.13007	0.1637752	0.23319001	2.6141435	21	8 11.5	20.0
125399 2001 VB_{102}	16.1	X	73.44624	127.71124	22.62076	5.25949	0.1631925	0.27207279	2.3587358	21	5 4.1	18.6
125400 2001 VE_{102}	16.6	X	116.35896	73.40605	37.20001	7.13379	0.0596401	0.27451154	2.3447451	21	4 24.5	19.5
125401 2001 VK_{102}	15.9	X	337.68585	184.94714	25.04966	4.41360	0.1044309	0.26886316	2.3774707	21	2 6.9	18.6
125402 2001 VU_{102}	16.4	X	154.49784	99.89483	37.90779	7.32258	0.0616528	0.28306534	2.2972676	21	7 24.7	19.6
125403 2001 VH_{103}	16.4	X	102.75909	320.44192	283.54193	3.43245	0.1345666	0.29214550	2.2494167	21	10 20.1	19.6
125404 2001 VN_{103}	16.4	X	48.47613	159.75117	323.40088	2.26642	0.1416381	0.26579970	2.3957034	21	2 3.0	18.5
125405 2001 VT_{105}	16.7	X	246.91666	333.14950	0.29739	2.29889	0.2206836	0.27697951	2.3307961	21	3 18.8	20.3
125406 2001 VU_{105}	17.0	X	13.53424	76.93699	281.41106	2.36538	0.2041681	0.29734662	2.2231088	21	12 15.3	19.1
125407 2001 VV_{105}	15.9	X	125.10725	305.84209	37.71896	6.84291	0.0700718	0.25882909	2.4385256	21	—	—
125408 2001 VP_{106}	16.3	X	178.28095	59.57817	32.19156	8.35885	0.0805191	0.28093905	2.3088443	21	6 16.6	19.6
125409 2001 VR_{106}	16.1	X	141.98606	270.38033	268.32670	5.88258	0.1146678	0.28642857	2.2792493	21	9 1.9	19.6
125410 2001 VW_{106}	16.4	X	103.08701	33.59729	266.05542	4.10058	0.1900038	0.30321857	2.1943144	21	—	—
125411 2001 VK_{107}	16.4	X	144.80707	121.42115	38.23124	7.69520	0.0558679	0.28471298	2.2883961	21	8 13.7	19.5
125412 2001 VJ_{108}	16.3	X	193.76331	69.72436	41.46216	9.88309	0.0886919	0.23386850	2.6090850	21	8 3.9	20.4
125413 2001 VE_{109}	17.0	X	349.07349	126.34269	14.54008	2.16255	0.1495398	0.25864983	2.4396522	21	—	—
125414 2001 VG_{109}	16.6	X	31.86635	255.60358	32.97239	4.59864	0.0867962	0.28839558	2.2688737	21	9 13.5	18.9
125415 2001 VV_{109}	16.2	X	184.22934	22.39217	256.63871	5.01824	0.0797804	0.25786224	2.4446173	21	—	—
125416 2001 VK_{110}	16.4	X	28.05534	190.75037	319.63959	2.91777	0.1779800	0.26471891	2.4022198	21	2 1.1	18.3
125417 2001 VT_{110}	16.6	X	268.41885	73.06579	34.50600	5.32201	0.0703841	0.29428119	2.2385203	21	11 8.4	19.0
125418 2001 VU_{110}	15.9	X	152.97889	304.40134	260.61156	6.31385	0.0795974	0.29170507	2.2516803	21	10 20.4	19.1
125419 2001 VB_{111}	17.0	X	168.51354	89.31289	12.43370	3.13121	0.1183808	0.27911099	2.3189146	21	6 20.9	20.4
125420 2001 VK_{111}	15.6	X	19.75080	251.26342	42.14839	5.44864	0.2464647	0.23913273	2.5706525	21	9 18.2	17.9
125421 2001 VM_{111}	16.3	X	8.05041	86.15691	246.40928	9.66586	0.1842548	0.24266238	2.5456640	21	10 7.6	18.9
125422 2001 VJ_{112}	15.7	X	61.10092	261.96944	15.89132	4.95532	0.1120651	0.29063622	2.2571975	21	10 14.4	18.2
125423 2001 VS_{112}	16.3	X	32.12074	255.15296	277.72557	3.04469	0.1371826	0.26871409	2.3783499	21	3 14.9	18.5
125424 2001 VA_{113}	15.7	X	39.96694	0.04386	23.88894	5.25731	0.0984341	0.25212231	2.4815814	21	—	—
125425 2001 VR_{113}	16.6	X	72.15009	134.28090	56.04759	3.42018	0.0961159	0.27745052	2.3281575	21	6 20.4	19.2
125426 2001 VZ_{113}	16.5	X	279.15579	95.99190	289.45352	3.55509	0.1433668	0.28599629	2.2815454	21	7 12.8	19.2
125427 2001 VF_{114}	14.9	X	211.16641	86.56968	47.03426	10.81757	0.0773936	0.18791358	3.0187740	21	9 20.8	19.5
125428 2001 VN_{114}	16.3	X	72.38710	197.18865	50.40346	6.15538	0.0674502	0.28654658	2.2786234	21	9 13.1	19.1
125429 2001 VP_{114}	16.4	X	23.32521	136.00253	5.59181	1.73586	0.1174712	0.26323381	2.4112465	21	1 14.6	18.9
125430 2001 VR_{114}	16.0	X	59.74565	299.78103	17.25423	3.27226	0.1021402	0.24594509	2.5229615	21	11 25.3	19.3
125431 2001 VT_{114}	15.8	X	283.52370	282.51244	46.12179	7.26851	0.1399564	0.27952406	2.3166295	21	4 28.6	18.6
125432 2001 VV_{114}	16.0	X	327.05284	91.50996	269.47797	4.28487	0.1525769	0.28986620	2.2611932	21	8 29.9	17.8
125433 2001 VC_{115}	15.2	X	241.59449	32.88954	347.03542	2.90853	0.0551867	0.22886190	2.6469986	21	5 29.2	18.8
125434 2001 VJ_{115}	16.4	X	315.45000	299.02868	46.84269	4.28358	0.2289023	0.23724441	2.5842750	21	6 28.9	19.0
125435 2001 VM_{115}	16.0	X	269.84486	348.48973	64.28177	2.49569	0.0892679	0.23687154	2.5869863	21	8 16.2	19.2
125436 2001 VQ_{115}	16.0	X	348.23798	215.73005	329.55047	2.63250	0.1560582	0.26357145	2.4091868	21	1 11.5	18.6
125437 2001 VR_{115}	16.3	X	144.11649	30.07822	23.77469	3.50335	0.0693844	0.26981681	2.3718654	21	3 16.6	19.5
125438 2001 VD_{116}	16.8	X	74.17263	155.63454	323.94388	1.81420	0.1823305	0.26680644	2.3896732	21	3 24.3	19.1
125439 2001 VV_{116}	15.9	X	117.51882	64.03718	45.59301	5.33919	0.0856481	0.22225027	2.6992380	21	5 3.0	19.7
125440 2001 VP_{117}	16.1	X	42.32860	107.47385	338.99921	2.23085	0.1604485	0.25872617	2.4391723	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125441 2001 VT_{117}	15.8	X	280.02001	25.04590	30.86937	3.69631	0.1608605	0.28851959	2.2682235	21	8 28.4	18.1
125442 2001 VY_{117}	15.8	X	107.09971	62.73110	343.95661	1.55865	0.2174378	0.26382522	2.4076416	21	2 9.3	18.5
125443 2001 VP_{120}	15.0	X	290.97575	306.99470	77.31248	10.86211	0.0950775	0.23389393	2.6088959	21	8 8.1	18.4
125444 2001 VV_{120}	15.1	X	222.67024	121.24895	69.13187	7.52031	0.1423750	0.24372014	2.5382931	21	12 7.6	18.6
125445 2001 VZ_{120}	15.9	X	283.25100	307.65078	59.10685	7.38532	0.1503589	0.28209887	2.3025116	21	6 19.5	18.6
125446 2001 VN_{121}	16.2	X	13.00865	241.55011	183.75012	6.08951	0.1199751	0.25431537	2.4672944	21	—	—
125447 2001 VU_{121}	15.8	X	157.57202	101.22177	117.77109	5.51672	0.0471710	0.29569808	2.2313638	21	11 19.3	18.7
125448 2001 VL_{122}	15.0	X	91.19302	193.29747	97.03365	26.90442	0.1716818	0.29042556	2.2582889	21	12 14.1	18.5
125449 2001 VB_{123}	15.4	X	130.98847	75.27904	27.88537	13.79974	0.1458496	0.22071029	2.7117792	21	5 14.5	19.6
125450 2001 VK_{124}	17.1	X	150.58260	202.52341	89.83121	3.43766	0.1354811	0.30685178	2.1769592	21	—	—
125451 2001 VW_{125}	17.5	X	296.18864	118.96048	230.83811	1.64598	0.0366715	0.28398535	2.2923034	21	7 3.6	20.2
125452 2001 WK	17.4	X	161.31659	244.44475	340.35319	3.20507	0.0525027	0.30006088	2.2096821	21	11 29.8	20.3
125453 2001 WR	17.2	X	100.37303	178.20166	246.45142	1.55198	0.1555893	0.26584814	2.3954125	21	2 12.5	19.9
125454 2001 WW	16.2	X	45.98635	288.65437	238.96442	6.45341	0.2000062	0.21938476	2.7226914	21	4 20.4	18.9
125455 2001 WD_{3}	17.1	X	152.18464	290.70334	224.25394	1.22495	0.1251020	0.28578947	2.2826460	21	8 14.7	20.2
125456 2001 WN_{3}	16.8	X	273.43772	229.51182	49.45416	6.39276	0.2250775	0.27494329	2.3422899	21	2 4.9	20.6
125457 2001 WD_{4}	16.2	X	170.96040	328.02895	144.82743	7.16241	0.1449227	0.27971098	2.3155973	21	7 8.8	19.7
125458 2001 WR_{4}	15.2	X	342.77800	249.17567	96.28228	14.50879	0.3501507	0.24137376	2.5547163	21	9 12.6	16.5
125459 2001 WQ_{5}	15.9	X	196.65406	94.68068	281.83300	3.64452	0.2452668	0.27414909	2.3468113	21	3 29.4	19.9
125460 2001 WS_{5}	16.6	X	178.14562	66.81205	16.18636	2.25424	0.1710416	0.27791838	2.3255439	21	6 6.5	20.1
125461 2001 WT_{7}	17.2	X	73.65216	292.99904	164.66675	4.35929	0.2217151	0.26514569	2.3996413	21	2 25.4	19.0
125462 2001 WY_{7}	16.1	X	260.32654	231.10945	189.32074	5.58978	0.1382397	0.28744340	2.2738815	21	8 5.5	18.9
125463 2001 WF_{8}	16.2	X	121.26677	184.08112	82.90642	7.16320	0.0767832	0.29768947	2.2214015	21	12 8.9	19.2
125464 2001 WK_{8}	16.4	X	184.24861	342.74917	78.42134	8.15345	0.1133418	0.27717928	2.3296761	21	5 15.3	19.9
125465 2001 WY_{9}	15.6	X	312.21457	201.39910	144.01471	5.05668	0.0461600	0.23357618	2.6112614	21	7 19.6	18.8
125466 2001 WE_{10}	15.8	X	343.69633	222.34160	132.50643	6.70996	0.2527958	0.24240134	2.5474913	21	9 27.1	17.4
125467 2001 WK_{10}	15.9	X	297.27077	289.01995	74.26868	2.02338	0.0820950	0.23484130	2.6018749	21	7 17.9	19.0
125468 2001 WL_{10}	16.4	X	42.46932	132.10762	164.02984	2.77334	0.1780829	0.24319624	2.5419372	21	10 18.7	19.4
125469 2001 WM_{11}	15.4	X	97.89517	156.71878	75.35059	8.37724	0.0855767	0.28917015	2.2648203	21	9 29.7	18.5
125470 2001 WL_{13}	16.0	X	192.14128	108.17941	134.85526	7.13376	0.1155402	0.30286044	2.1960439	21	—	—
125471 2001 WC_{14}	15.9	X	107.08341	334.44600	132.88796	4.81476	0.1964196	0.26791976	2.3830485	21	5 1.0	19.0
125472 2001 WM_{14}	15.7	X	15.01231	357.73221	318.68603	4.76652	0.2616802	0.29226726	2.2487919	21	10 22.0	17.6
125473 Keisaku	16.9	X	299.45148	201.45860	144.73331	4.84115	0.1748964	0.28653634	2.2786777	21	6 10.1	19.4
125474 2001 WR_{14}	16.2	X	177.16120	162.15251	251.75455	6.00576	0.1574724	0.27499188	2.3420139	21	4 27.1	19.7
125475 2001 WA_{15}	16.8	X	86.20439	184.23559	159.52257	5.48776	0.2469984	0.30560530	2.1828746	21	—	—
125476 Frangarcia	16.3	X	190.29627	313.10775	44.33201	7.30546	0.1361976	0.26996150	2.3710179	21	3 3.2	19.9
125477 2001 WL_{16}	17.4	X	7.30647	35.06326	2.55328	3.24788	0.1468609	0.30202776	2.2000783	21	—	—
125478 2001 WS_{16}	16.1	X	48.78517	260.54918	310.58642	2.27714	0.1679789	0.28123784	2.3072087	21	6 24.6	18.2
125479 2001 WD_{17}	15.7	X	295.20940	309.88948	305.25489	1.37377	0.0259183	0.22200322	2.7012402	21	2 27.4	19.2
125480 2001 WY_{17}	16.0	X	287.40996	220.45004	254.37389	2.98021	0.1034887	0.29952477	2.2123180	21	12 19.2	18.0
125481 2001 WL_{19}	16.5	X	178.29294	267.05273	232.84779	1.23765	0.1679885	0.28576754	2.2827628	21	8 21.1	20.1
125482 2001 WY_{19}	16.6	X	83.67861	217.02944	277.13258	1.39686	0.1705680	0.27162503	2.3613273	21	4 28.6	19.1
125483 2001 WE_{20}	16.9	X	170.43906	353.21943	332.57264	1.91929	0.2296604	0.26734326	2.3864732	21	1 7.9	20.5
125484 2001 WL_{20}	16.5	X	30.23665	221.88878	345.37517	3.45649	0.0713727	0.27560187	2.3385569	21	4 30.9	18.9
125485 2001 WR_{20}	16.3	X	26.64569	63.45469	87.64376	7.41398	0.0301446	0.26723655	2.3871084	21	2 8.2	19.1
125486 2001 WX_{23}	16.9	X	44.81599	116.33958	51.42516	2.79565	0.1655486	0.27017532	2.3697668	21	4 7.7	18.7
125487 2001 WH_{25}	15.4	X	316.33867	69.88841	81.38123	6.84592	0.1830229	0.25654219	2.4529960	21	—	—
125488 2001 WC_{26}	17.7	X	142.18448	269.63348	162.26766	1.24295	0.1653904	0.27326304	2.3518816	21	4 17.7	20.9
125489 2001 WJ_{27}	16.1	X	104.54281	315.31881	126.32981	4.45138	0.1258352	0.26834622	2.3805230	21	3 11.3	18.8
125490 2001 WC_{28}	15.7	X	155.12023	283.29948	93.49037	7.15027	0.1423875	0.26820047	2.3813854	21	2 19.3	19.1
125491 2001 WJ_{28}	15.9	X	258.55767	319.04130	131.12338	4.97867	0.1771446	0.23952884	2.5678176	21	9 7.9	19.3
125492 2001 WK_{28}	15.6	X	127.18546	7.45154	82.49253	9.55085	0.1933634	0.27182488	2.3601698	21	5 1.6	19.0
125493 2001 WQ_{28}	16.3	X	57.29009	292.43113	122.35247	2.83919	0.1809440	0.25847401	2.4407584	21	—	—
125494 2001 WY_{28}	16.0	X	130.88070	291.70533	101.71968	6.77482	0.1555661	0.26648046	2.3916216	21	2 14.4	19.2
125495 2001 WC_{29}	15.9	X	251.39453	327.92697	102.83047	5.86454	0.2099238	0.23622819	2.5916812	21	7 30.2	19.7
125496 2001 WF_{29}	16.0	X	203.95101	342.27502	82.44589	15.29515	0.0838942	0.22933366	2.6433673	21	6 11.6	19.9
125497 2001 WJ_{29}	16.0	X	296.11849	234.46194	148.00810	4.63258	0.1484888	0.23745375	2.5827559	21	8 1.3	19.1
125498 2001 WU_{30}	16.1	X	37.44041	231.59400	66.83356	13.88990	0.1740009	0.24270779	2.5453465	21	10 19.2	19.3
125499 2001 WK_{31}	15.7	X	334.13981	352.41272	85.10248	7.05910	0.0375276	0.25042488	2.4927826	21	12 29.3	18.7
125500 2001 WB_{32}	16.1	X	91.12248	140.49541	71.00511	6.71278	0.1116582	0.28448533	2.2896168	21	8 24.5	19.1
125501 2001 WC_{32}	15.8	X	69.71560	179.38070	72.49901	7.16940	0.0642761	0.28830790	2.2693337	21	9 16.1	18.6
125502 2001 WD_{32}	16.2	X	246.72266	157.76801	184.29454	2.78744	0.1169628	0.22680573	2.6629726	21	4 10.8	20.1
125503 2001 WC_{34}	16.2	X	93.93710	20.91986	87.55820	7.49976	0.0597838	0.27054515	2.3676066	21	3 25.4	19.1
125504 2001 WY_{34}	16.4	X	350.31370	27.05895	137.44730	3.17593	0.1091252	0.26242435	2.4162023	21	—	—
125505 2001 WQ_{35}	16.9	X	214.39708	176.93023	162.04918	3.18598	0.1866687	0.27225646	2.3576749	21	2 27.3	20.6
125506 2001 WS_{35}	15.2	X	316.90775	304.11227	74.10851	15.68306	0.1049463	0.23981889	2.5657468	21	9 17.1	18.5
125507 2001 WX_{35}	16.6	X	167.29862	313.53562	127.87465	2.91482	0.1775688	0.27648749	2.3335605	21	5 26.3	20.1
125508 2001 WG_{37}	16.5	X	21.38092	267.33101	63.75676	14.62697	0.1843316	0.24566100	2.5249062	21	11 6.9	19.3
125509 2001 WQ_{37}	16.3	X	171.55109	245.45571	108.85774	4.55444	0.1657202	0.26887551	2.3773979	21	2 8.2	19.8
125510 2001 WR_{37}	16.5	X	107.90593	20.70211	90.58351	5.25024	0.1044628	0.27300705	2.3533515	21	4 23.2	19.4
125511 2001 WY_{37}	16.3	X	43.62951	82.71445	145.65383	2.33961	0.0944155	0.28104805	2.3082473	21	6 30.5	18.6
125512 2001 WJ_{38}	15.5	X	68.05047	257.08922	98.49434	9.95460	0.1053893	0.25207663	2.4818812	21	—	—
125513 2001 WN_{39}	15.9	X	123.30852	237.06943	138.42989	5.77079	0.1599531	0.26229358	2.4170054	21	1 11.4	18.9
125514 2001 WY_{39}	15.3	X	2.53698	235.09268	118.33992	6.03492	0.2944596	0.24451386	2.5327971	21	11 20.9	17.4
125515 2001 WV_{40}	14.8	X	285.52702	194.69403	240.39051	13.19788	0.1497958	0.23945774	2.5683259	21	9 23.3	18.0
125516 2001 WJ_{41}	15.3	X	279.17405	299.01323	110.05290	18.01264	0.1759177	0.23507519	2.6001487	21	8 10.9	18.7
125517 2001 WG_{43}	15.7	X	142.06631	177.83383	124.54665	5.62471	0.1793956	0.25975625	2.4327196	21	—	—
125518 2001 WW_{44}	15.9	X	160.15138	86.17280	67.41275	14.01977	0.0832690	0.23406173	2.6076488	21	8 25.3	20.1
125519 2001 WA_{46}	16.7	X	1.14828	352.93265	252.61143	4.32006	0.1410618	0.27796221	2.3252994	21	5 4.1	18.7
125520 2001 WJ_{46}	15.8	X	84.08712	208.00644	33.72776	3.18738	0.0799782	0.28844512	2.2686139	21	9 20.7	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125521 2001 WY_{47}	16.2	X	51.10558	289.10177	127.69977	6.61460	0.1067711	0.25860510	2.4399335	21	—	—
125522 2001 WG_{48}	16.3	X	181.97097	213.06688	151.31480	6.99377	0.1359433	0.27089146	2.3655883	21	2 28.3	19.7
125523 2001 WH_{48}	15.9	X	239.53630	328.62198	108.30548	9.07358	0.1615474	0.23608562	2.5927244	21	7 31.1	19.7
125524 2001 WK_{49}	15.0	X	194.31931	113.05092	27.15125	13.70447	0.0957958	0.23296559	2.6158221	21	9 13.4	19.0
125525 2001 WH_{51}	16.7	X	222.66686	293.35636	228.02772	7.14094	0.0821828	0.29759151	2.2218890	21	11 17.9	19.3
125526 2001 WD_{57}	16.0	X	1.37187	326.31327	237.90314	4.46884	0.1880443	0.27094208	2.3652937	21	2 21.4	18.2
125527 2001 WU_{63}	16.6	X	227.15186	123.96586	26.66383	1.14817	0.0300452	0.24449278	2.5329426	21	11 7.5	19.9
125528 2001 WB_{64}	16.1	X	270.75684	332.39463	246.92570	5.65347	0.0873819	0.26133439	2.4229159	21	—	—
125529 2001 WH_{65}	16.2	X	327.97813	298.19469	211.22417	6.23598	0.0710530	0.26149253	2.4219389	21	—	—
125530 2001 WF_{73}	16.0	X	243.07477	154.88356	147.45384	2.45459	0.0340930	0.21990607	2.7183867	21	2 23.1	19.9
125531 2001 WH_{83}	16.6	X	263.97655	218.78566	74.03765	7.32198	0.1238094	0.27197775	2.3592853	21	2 22.7	20.1
125532 2001 WR_{84}	16.8	X	307.86550	165.99649	79.73293	2.72064	0.1382704	0.27005805	2.3704527	21	2 7.9	19.8
125533 2001 WK_{85}	17.3	X	90.86093	127.34229	193.85531	1.80892	0.1624941	0.30171451	2.2016009	21	—	—
125534 2001 WO_{85}	16.6	X	52.96393	330.58927	200.82753	2.10255	0.1223535	0.27068716	2.3667785	21	4 24.2	18.9
125535 2001 WK_{86}	15.7	X	128.44852	167.93336	83.52500	10.90170	0.1146242	0.24390240	2.5370284	21	11 21.3	19.7
125536 2001 WB_{88}	15.6	X	23.57454	252.94709	26.38433	3.57235	0.2018934	0.23733095	2.5836468	21	8 26.8	18.0
125537 2001 WQ_{88}	16.7	X	83.67242	142.79198	4.54166	3.57841	0.0496822	0.27428748	2.3460219	21	4 26.9	19.3
125538 2001 WK_{89}	15.7	X	69.98721	283.51503	329.11559	3.92842	0.0832680	0.28798916	2.2710078	21	9 15.0	18.3
125539 2001 WN_{90}	14.6	X	120.46935	183.60515	314.37484	4.49224	0.1268657	0.17629463	3.1499959	21	6 18.9	19.3
125540 2001 WO_{90}	15.1	X	67.19198	236.96608	36.66220	13.28205	0.1198008	0.24091917	2.5579290	21	10 14.3	18.5
125541 2001 WQ_{90}	16.4	X	171.51428	175.48108	291.52249	6.12811	0.0801622	0.28212489	2.3023700	21	6 30.8	19.5
125542 2001 WU_{91}	15.1	X	126.58778	66.22009	64.96151	29.51940	0.1551863	0.22457512	2.6805770	21	6 14.8	19.4
125543 2001 WW_{92}	15.0	X	325.13230	252.83627	25.67315	11.62434	0.1633038	0.22832673	2.6511332	21	4 19.2	18.0
125544 2001 WW_{98}	16.6	X	88.14540	251.89819	233.31724	4.10767	0.1209592	0.27212451	2.3584370	21	4 13.5	19.3
125545 2001 WC_{100}	16.4	X	154.06830	79.31366	313.40995	5.91230	0.1339171	0.26869517	2.3784616	21	3 5.2	19.9
125546 2001 XN	15.2	X	264.52789	272.11460	126.58000	26.97686	0.2989199	0.23580237	2.5948003	21	6 24.3	19.6
125547 2001 XJ_{3}	15.6	X	87.71430	202.53790	136.76255	5.65019	0.1150475	0.25257224	2.4786334	21	—	—
125548 2001 XA_{4}	16.0	X	73.58201	347.53958	353.45184	3.35931	0.2095186	0.30179212	2.2012234	21	—	—
125549 2001 XC_{4}	15.6	X	169.05090	83.18844	358.68075	23.44727	0.2809045	0.27323560	2.3520390	21	5 23.5	20.3
125550 2001 XY_{5}	15.5	X	72.71937	189.28420	126.93800	12.46016	0.0730579	0.24736998	2.5132637	21	12 9.1	19.1
125551 2001 XA_{6}	16.3	X	164.34921	221.28220	238.16854	2.63113	0.2002403	0.27682205	2.3316799	21	6 16.5	19.9
125552 2001 XY_{6}	15.0	X	268.02855	146.57560	282.19808	32.76668	0.2523004	0.23517238	2.5994323	21	7 28.7	19.1
125553 2001 XO_{7}	15.5	X	347.29757	358.82359	350.28862	14.09432	0.1053276	0.24055786	2.5604896	21	9 17.9	18.2
125554 2001 XU_{9}	15.5	X	232.38909	14.76725	315.03375	4.58352	0.0607754	0.27002928	2.3706211	21	3 7.1	18.6
125555 2001 XW_{9}	16.3	X	181.16665	17.51803	322.72867	4.43532	0.2379685	0.26674277	2.3900535	21	2 4.1	20.3
125556 2001 XJ_{10}	16.0	X	258.08212	63.20430	330.14333	6.28953	0.1278750	0.28131660	2.3067780	21	6 28.1	19.0
125557 2001 XU_{12}	15.6	X	231.06511	40.93183	347.78447	7.40991	0.0865164	0.22760746	2.6567155	21	5 23.8	19.7
125558 2001 XM_{13}	16.0	X	168.63296	164.52846	43.28097	6.44026	0.1230544	0.29191153	2.2506185	21	11 10.9	19.3
125559 2001 XN_{13}	16.6	X	86.50235	327.63997	5.39912	3.97970	0.1487124	0.30182743	2.2010517	21	—	—
125560 2001 XS_{13}	15.4	X	191.09288	332.14471	12.47913	7.22072	0.1366362	0.26709652	2.3879426	21	2 15.3	19.0
125561 2001 XN_{14}	15.9	X	282.13961	200.74320	20.12522	6.02983	0.0982365	0.25705678	2.4497213	21	—	—
125562 2001 XP_{14}	16.2	X	302.64056	14.53092	322.94285	6.31338	0.1446356	0.28222521	2.3018243	21	6 6.1	18.7
125563 2001 XH_{15}	16.1	X	185.20091	105.22149	343.61260	4.98572	0.1080907	0.27916229	2.3186305	21	6 21.5	19.5
125564 2001 XV_{15}	15.6	X	349.26813	53.67024	86.73272	7.40182	0.1431536	0.25766347	2.4458744	21	—	—
125565 2001 XQ_{16}	15.7	X	275.71587	346.32819	135.67107	3.05511	0.1502628	0.24371442	2.5383328	21	11 19.4	18.6
125566 2001 XJ_{17}	16.1	X	228.11331	29.21821	334.23295	5.37161	0.1945559	0.27554876	2.3388574	21	4 8.2	19.9
125567 2001 XT_{17}	16.0	X	205.02565	4.17046	20.36504	4.39541	0.1517095	0.27416134	2.3467414	21	4 16.9	19.4
125568 2001 XF_{18}	15.7	X	188.98024	100.37930	338.17508	5.87435	0.0951319	0.27752711	2.3277291	21	6 11.1	19.1
125569 2001 XG_{18}	16.4	X	242.44118	1.65941	32.89208	6.57177	0.1811569	0.28081011	2.3095510	21	6 3.5	19.9
125570 2001 XE_{19}	15.3	X	177.36130	41.19243	65.34137	12.16340	0.1400020	0.22797163	2.6538855	21	7 7.4	19.6
125571 2001 XL_{19}	16.2	X	60.91070	167.74932	346.27335	4.70469	0.1369742	0.26740165	2.3861257	21	4 12.6	18.6
125572 2001 XN_{19}	16.0	X	42.80700	126.41562	314.27562	7.07641	0.1129302	0.25684042	2.4510968	21	—	—
125573 2001 XR_{19}	16.0	X	157.45364	335.44022	17.54075	6.48417	0.1279719	0.26211223	2.4181201	21	1 21.3	19.4
125574 2001 XZ_{19}	15.8	X	28.44184	135.94268	320.55295	5.62469	0.0884899	0.25644525	2.4536142	21	—	—
125575 2001 XU_{20}	15.5	X	8.85646	61.08537	344.73504	6.77686	0.0915719	0.24752912	2.5121864	21	—	—
125576 2001 XQ_{21}	15.1	X	104.35697	180.98268	336.35191	6.25501	0.1299030	0.17183001	3.2043261	21	6 26.0	19.8
125577 2001 XW_{22}	15.6	X	21.45689	224.94909	312.36411	7.09905	0.0467331	0.26641379	2.3920206	21	3 3.7	18.4
125578 2001 XW_{23}	15.7	X	35.40325	111.46343	22.71829	6.62731	0.0660312	0.26039412	2.4287451	21	1 30.1	18.5
125579 2001 XT_{24}	15.6	X	11.92012	124.95058	317.04207	6.42627	0.1028033	0.25157975	2.4851480	21	—	—
125580 2001 XA_{25}	15.7	X	216.17729	28.81441	41.29686	5.62024	0.1474492	0.27888175	2.3201852	21	6 27.9	19.1
125581 2001 XG_{25}	15.8	X	157.62068	358.33566	65.27322	4.42240	0.1890896	0.27007054	2.3703796	21	4 25.4	19.5
125582 2001 XQ_{25}	15.6	X	247.97669	60.67168	83.08864	13.42691	0.0973641	0.24036217	2.5618792	21	11 18.0	19.0
125583 2001 XB_{26}	15.9	X	92.29204	35.83150	69.07549	7.91102	0.0770212	0.26607280	2.3940639	21	3 21.5	18.8
125584 2001 XU_{26}	14.4	X	220.26465	285.93232	103.66746	13.51647	0.2095333	0.22303930	2.6928684	21	5 13.4	19.1
125585 2001 XN_{27}	14.9	X	208.25657	56.13183	0.83874	8.32819	0.1945273	0.27534887	2.3399892	21	5 29.5	18.8
125586 2001 XF_{29}	14.9	X	357.44859	266.00219	125.46052	16.91770	0.2099547	0.24445939	2.5331733	21	12 22.3	17.6
125587 2001 XL_{29}	15.5	X	258.70040	197.86780	187.57071	4.43684	0.1440292	0.27901097	2.3194688	21	6 15.1	18.6
125588 2001 XT_{29}	15.5	X	291.05350	313.68311	131.55637	5.35152	0.1858986	0.24159726	2.5531405	21	10 20.5	18.2
125589 2001 XS_{31}	16.2	X	266.05309	265.16033	143.31875	2.36707	0.1777417	0.28435929	2.2902933	21	7 22.0	19.1
125590 2001 XT_{31}	16.0	X	359.13489	258.55564	135.48685	2.43300	0.1783073	0.24522621	2.5278897	21	12 22.9	18.4
125591 2001 XA_{33}	16.4	X	117.97968	348.89828	224.49342	5.41399	0.1370901	0.28776799	2.2721713	21	9 25.4	19.7
125592 Buthiers	15.0	X	277.70400	23.70268	32.45423	3.30601	0.1361728	0.23682010	2.5873609	21	8 24.9	18.1
125593 2001 XU_{34}	15.8	X	89.14822	30.98504	3.98450	9.12479	0.0428387	0.25897715	2.4375962	21	—	—
125594 2001 XB_{40}	15.1	X	224.45149	188.49883	312.46939	10.99530	0.1901976	0.23887584	2.5724951	21	9 26.6	19.2
125595 2001 XG_{41}	15.0	X	69.45083	140.47260	50.54332	15.43603	0.1406978	0.22316411	2.6918642	21	6 24.7	18.6
125596 2001 XL_{44}	15.1	X	40.70547	280.92486	62.30438	13.51185	0.1326331	0.24360495	2.5390932	21	12 8.8	18.4
125597 2001 XW_{44}	16.7	X	261.54790	9.53700	8.88091	5.88307	0.2315682	0.28114638	2.3077091	21	5 27.1	20.1
125598 2001 XF_{45}	14.8	X	328.68761	343.34922	4.18028	9.39836	0.2555436	0.23667826	2.5883946	21	7 31.0	17.0
125599 2001 XM_{45}	16.2	X	176.18521	100.77940	348.94436	7.12126	0.0742836	0.27708398	2.3302102	21	6 11.2	19.5
125600 2001 XB_{46}	15.7	X	340.51260	182.18796	23.30141	8.40458	0.1691500	0.26085455	2.4258863	21	1 28.9	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125601 2001 XB_{47}	15.6	X	54.11260	5.01846	68.78491	13.85796	0.1091232	0.25586480	2.4573236	21	—	—
125602 2001 XH_{47}	15.0	X	134.43072	271.38795	345.46800	13.55111	0.1790303	0.23912119	2.5707352	21	11 29.4	19.5
125603 2001 XX_{47}	16.0	X	295.45873	299.82921	28.45262	7.95568	0.1541532	0.27623838	2.3349632	21	5 10.4	18.8
125604 2001 XJ_{48}	14.8	X	242.85544	209.21385	282.32568	12.65753	0.0268171	0.24762219	2.5115568	21	10 30.7	18.4
125605 2001 XK_{49}	16.3	X	247.89290	196.74969	234.87740	3.16187	0.1664961	0.23634063	2.5908591	21	7 31.0	20.1
125606 2001 XS_{50}	16.1	X	157.55566	82.15299	169.84415	1.11439	0.0228425	0.29950901	2.2123956	21	—	—
125607 2001 XU_{50}	16.3	X	240.20641	258.37074	244.35707	3.87599	0.1061849	0.24406665	2.5358901	21	11 2.3	19.5
125608 2001 XX_{50}	16.1	X	208.31165	244.37058	73.99308	5.97657	0.2445816	0.26931173	2.3748301	21	1 31.2	20.2
125609 2001 XS_{51}	16.7	X	131.84901	249.93583	215.88504	1.36133	0.1538102	0.27396875	2.3478411	21	5 20.2	19.9
125610 2001 XW_{51}	15.9	X	35.15818	308.24898	174.78084	1.34578	0.1641529	0.26222222	2.4174438	21	1 6.6	17.7
125611 2001 XJ_{52}	16.5	X	206.36258	341.20403	79.32020	1.87643	0.1994599	0.27981076	2.3150468	21	6 3.1	20.3
125612 2001 XX_{52}	16.6	X	73.16739	251.73279	253.01694	0.46626	0.1305697	0.27025728	2.3692876	21	4 20.7	19.0
125613 2001 XP_{53}	16.1	X	38.00230	322.27376	165.79550	2.18778	0.1610672	0.26273749	2.4142821	21	1 20.1	18.1
125614 2001 XN_{54}	16.0	X	15.34025	122.22540	86.18588	7.25333	0.0512552	0.27192362	2.3595984	21	4 13.3	18.7
125615 2001 XT_{54}	16.8	X	12.08970	274.58651	99.19306	1.90248	0.0584094	0.29603336	2.2296787	21	12 11.2	19.3
125616 2001 XU_{54}	15.5	X	212.72103	127.63289	241.87724	3.82572	0.0899198	0.22327166	2.6909997	21	4 9.8	19.5
125617 2001 XX_{54}	16.3	X	121.17054	222.50778	170.83134	5.02305	0.1919051	0.26419314	2.4054058	21	2 4.9	19.5
125618 2001 XE_{55}	16.4	X	85.67432	232.08098	237.98459	1.61788	0.1547247	0.26733010	2.3865515	21	3 25.3	19.0
125619 2001 XL_{55}	15.6	X	343.97663	73.90325	91.45281	7.44721	0.0890775	0.26055139	2.4277677	21	—	—
125620 2001 XH_{56}	16.0	X	110.99824	215.42994	163.10325	1.76677	0.1742646	0.26128634	2.4232129	21	—	—
125621 2001 XW_{56}	16.1	X	131.74883	111.33710	87.01971	2.85059	0.1428053	0.28490507	2.2873674	21	9 23.4	19.4
125622 2001 XE_{57}	17.0	X	122.13683	220.40906	223.83271	0.68895	0.1537592	0.26969274	2.3725928	21	4 9.6	20.0
125623 2001 XZ_{57}	16.0	X	121.45856	356.10908	102.27987	4.64733	0.1668300	0.27089903	2.3655443	21	5 1.7	19.2
125624 2001 XN_{58}	16.6	X	167.42899	341.22568	104.31172	3.74672	0.1266392	0.27600855	2.3362592	21	5 29.7	20.0
125625 2001 XO_{58}	15.5	X	179.54872	89.29903	103.24994	5.45230	0.1484559	0.29051188	2.2578415	21	11 3.1	18.8
125626 2001 XU_{58}	16.4	X	249.45736	276.49084	121.94618	2.83716	0.2433167	0.28332435	2.2958673	21	6 11.0	19.9
125627 2001 XY_{58}	16.9	X	234.43981	131.32619	255.61153	1.96784	0.2269335	0.27994777	2.3142914	21	5 13.9	20.7
125628 2001 XD_{59}	15.4	X	351.18669	309.37003	98.32598	3.68201	0.1617924	0.24700784	2.5157195	21	12 26.2	17.8
125629 2001 XF_{59}	16.3	X	144.28208	117.17623	279.86003	0.29322	0.1923677	0.26759884	2.3849534	21	3 8.5	19.6
125630 2001 XH_{59}	16.6	X	98.61093	272.05732	175.58286	1.31682	0.1462613	0.26616614	2.3935041	21	3 12.9	19.3
125631 2001 XS_{59}	15.6	X	110.80635	101.93902	262.73728	6.59052	0.1322442	0.25806718	2.4433229	21	—	—
125632 2001 XV_{59}	15.8	X	62.27779	212.80211	253.85177	4.49271	0.1489681	0.26292878	2.4131110	21	2 5.0	18.0
125633 2001 XY_{59}	15.9	X	294.68413	180.78983	226.76321	1.45356	0.1904478	0.23874149	2.5734601	21	8 28.2	18.7
125634 2001 XA_{60}	16.1	X	99.25742	81.01574	108.88688	7.78181	0.0397574	0.27955054	2.3164832	21	7 20.9	18.9
125635 2001 XN_{60}	15.2	X	172.53918	231.02998	270.36217	8.69569	0.2009494	0.23038861	2.6352918	21	8 12.6	19.8
125636 2001 XP_{60}	15.6	X	221.02852	14.58550	90.42026	14.30162	0.1075385	0.23394118	2.6085446	21	8 26.5	19.6
125637 2001 XK_{61}	16.3	X	61.97959	228.29200	233.04416	1.61454	0.1301385	0.26295162	2.4129713	21	1 27.2	18.4
125638 2001 XQ_{61}	15.8	X	218.86940	294.95477	150.83269	2.84252	0.0911170	0.23255618	2.6188912	21	7 25.5	19.4
125639 2001 XZ_{61}	15.9	X	197.01478	128.04930	269.39748	6.03710	0.1087564	0.27425736	2.3461937	21	4 23.8	19.5
125640 2001 XC_{63}	16.2	X	118.59863	328.43225	132.29354	3.37401	0.1452917	0.26949624	2.3737460	21	4 28.2	19.3
125641 2001 XO_{63}	15.0	X	357.04611	81.42703	277.68201	10.31982	0.1862720	0.24091003	2.5579936	21	10 24.2	17.6
125642 2001 XX_{63}	16.0	X	153.02167	292.62372	93.92041	4.13550	0.1871903	0.26641209	2.3920308	21	3 5.7	19.6
125643 2001 XV_{64}	16.1	X	329.79267	180.23944	239.39272	2.83064	0.1108408	0.24415037	2.5353103	21	11 29.2	18.8
125644 2001 XN_{65}	16.6	X	123.86584	235.98743	252.69588	1.45927	0.1193645	0.27287291	2.3541227	21	6 7.2	19.6
125645 2001 XT_{65}	15.9	X	211.77882	340.03816	101.93804	7.83111	0.0558992	0.27961256	2.3161406	21	7 16.2	18.7
125646 2001 XC_{66}	16.2	X	78.65425	275.66901	261.36257	2.35192	0.0903966	0.27242824	2.3566837	21	6 9.9	18.8
125647 2001 XR_{66}	16.7	X	212.45149	269.60376	124.29908	3.19361	0.2222262	0.27562265	2.3384393	21	5 5.9	20.7
125648 2001 XS_{66}	15.5	X	21.03552	2.71843	105.59565	6.75609	0.1548694	0.25581438	2.4576465	21	—	—
125649 2001 XW_{66}	15.4	X	323.50412	61.84604	276.42737	4.55884	0.2088179	0.28248747	2.3003994	21	7 6.9	16.9
125650 2001 XV_{68}	16.5	X	226.79607	229.90068	196.58411	1.77617	0.1349504	0.23242483	2.6198778	21	7 5.2	20.3
125651 2001 XX_{68}	15.8	X	198.59725	265.22177	230.01834	3.96581	0.0954150	0.23635777	2.5907338	21	9 3.9	19.6
125652 2001 XK_{69}	16.3	X	319.46236	227.13336	80.41453	7.45990	0.0292340	0.28167626	2.3048140	21	6 7.7	18.8
125653 2001 XX_{69}	16.6	X	244.75657	314.96179	80.51337	8.95100	0.0311787	0.28291828	2.2980636	21	6 26.2	19.3
125654 2001 XY_{69}	16.5	X	108.83859	28.84917	86.61195	7.62613	0.0558736	0.27426057	2.3461754	21	4 23.6	19.4
125655 2001 XC_{70}	15.9	X	36.34311	13.16419	110.50664	7.61451	0.0498596	0.26530915	2.3986556	21	1 13.6	18.6
125656 2001 XN_{70}	16.1	X	315.06801	156.74446	92.93260	6.62946	0.0870114	0.27237195	2.3570084	21	3 4.6	19.0
125657 2001 XP_{70}	16.3	X	203.41427	234.82103	184.64271	6.54411	0.0748504	0.27999545	2.3140287	21	6 3.3	19.6
125658 2001 XB_{71}	16.3	X	183.50910	325.68251	239.86621	4.96999	0.0912416	0.29674076	2.2261337	21	11 27.6	19.2
125659 2001 XG_{71}	15.9	X	54.66300	9.04930	107.46775	10.62793	0.1145081	0.26411876	2.4058574	21	2 5.8	18.3
125660 2001 XL_{71}	16.0	X	95.15556	315.15075	137.00502	5.78910	0.1753649	0.26767482	2.3845021	21	3 20.9	18.6
125661 2001 XN_{72}	16.3	X	32.43424	300.01194	204.86691	1.68162	0.1289089	0.26536302	2.3983310	21	2 3.0	18.6
125662 2001 XN_{73}	15.8	X	243.02353	332.36818	110.98850	4.50854	0.0418159	0.23710130	2.5853148	21	8 29.5	19.2
125663 2001 XR_{73}	15.5	X	326.60455	128.02373	219.49453	3.68937	0.1142441	0.23739350	2.5831929	21	8 6.9	18.3
125664 2001 XG_{75}	16.2	X	162.01918	227.64025	174.48339	2.86856	0.2685233	0.22199054	2.7013430	21	4 9.9	20.8
125665 2001 XG_{76}	16.2	X	190.43913	129.43163	219.53778	1.88160	0.1938696	0.22036911	2.7145774	21	2 24.3	20.9
125666 2001 XN_{76}	16.0	X	174.74005	209.69299	99.74292	6.00139	0.1564937	0.26243619	2.4161296	21	—	—
125667 2001 XG_{77}	15.8	X	174.96132	304.39047	212.23372	4.73767	0.1065747	0.23651400	2.5895928	21	9 5.9	19.7
125668 2001 XL_{77}	16.5	X	190.46558	22.63807	114.42857	2.08583	0.1043059	0.23597646	2.5935240	21	8 30.6	20.4
125669 2001 XQ_{77}	16.9	X	265.69878	336.97648	112.95317	3.34494	0.0650677	0.29139881	2.2532577	21	10 12.4	19.5
125670 2001 XX_{77}	15.6	X	233.11300	152.25407	214.48044	5.11554	0.0342352	0.22593563	2.6698051	21	5 4.3	19.3
125671 2001 XP_{78}	16.9	X	181.29964	271.50285	184.93225	3.16224	0.0716576	0.28018085	2.3130077	21	6 27.3	20.0
125672 2001 XU_{78}	15.6	X	221.08028	205.39859	135.16452	2.92880	0.1982123	0.22283210	2.6945374	21	3 12.6	20.1
125673 2001 XY_{79}	16.7	X	156.22532	83.09538	20.73757	2.78836	0.1257283	0.27655496	2.3331809	21	6 10.4	20.1
125674 2001 XV_{80}	15.8	X	237.14848	193.54482	89.19110	7.37737	0.1038463	0.26362443	2.4088640	21	1 12.7	19.4
125675 2001 XB_{81}	16.1	X	1.22742	226.33776	150.78044	5.70255	0.1025152	0.29508719	2.2344423	21	12 6.1	18.4
125676 2001 XE_{81}	17.0	X	202.46110	299.14589	138.20477	2.51853	0.1488262	0.28065448	2.3104047	21	6 23.3	20.5
125677 2001 XU_{81}	16.6	X	193.62003	119.83827	283.07239	5.74796	0.1511523	0.27545827	2.3393696	21	4 27.7	20.2
125678 2001 XZ_{81}	15.9	X	336.46548	92.10372	87.14800	10.69736	0.1092571	0.26151819	2.4217805	21	—	—
125679 2001 XR_{82}	16.7	X	130.16568	224.06758	174.69983	2.51451	0.2179268	0.26674191	2.3900586	21	2 26.6	19.9
125680 2001 XA_{83}	15.3	X	307.20553	254.13085	114.75345	8.35794	0.1925097	0.23771108	2.5808916	21	7 24.8	18.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125681 2001 XM_{83}	15.9	X	323.79758	121.57026	117.68069	5.13200	0.0159702	0.26937591	2.3744528	21	3 12.9	18.8
125682 2001 XV_{83}	16.8	X	249.19717	254.19246	146.57782	5.47256	0.1578652	0.28277112	2.2988608	21	6 23.1	20.1
125683 2001 XF_{84}	15.7	X	300.41396	237.55987	135.82348	3.85093	0.2168419	0.23672782	2.5880332	21	7 14.7	18.8
125684 2001 XZ_{84}	16.0	X	182.76538	272.42972	119.76698	7.23977	0.1405094	0.27097533	2.3651002	21	4 9.0	19.7
125685 2001 XX_{85}	16.3	X	41.73146	182.47310	201.24580	2.02916	0.1633108	0.30001044	2.2099298	21	—	—
125686 2001 XB_{87}	15.3	X	228.02412	352.05996	115.21634	14.38636	0.1381897	0.23270919	2.6177431	21	9 1.6	19.3
125687 2001 XQ_{87}	14.9	X	203.59791	359.71821	98.31386	15.59074	0.1511756	0.22636426	2.6664338	21	7 21.9	19.2
125688 2001 XT_{88}	16.3	X	103.74026	59.94801	103.16496	7.02518	0.0932424	0.27708824	2.3301863	21	6 26.3	19.0
125689 2001 XX_{88}	16.0	X	119.59006	113.02017	291.72330	3.67964	0.0517658	0.26739379	2.3861725	21	1 27.5	18.7
125690 2001 XE_{89}	16.6	X	205.81803	263.15189	272.62873	4.70564	0.0670095	0.29599191	2.2298868	21	11 16.5	19.4
125691 2001 XK_{89}	16.2	X	139.52840	322.72767	276.59202	5.73198	0.1118587	0.29639747	2.2278523	21	11 21.9	19.5
125692 2001 XM_{89}	15.8	X	286.40366	167.44168	36.23808	6.72197	0.1070453	0.26046971	2.4282751	21	—	—
125693 2001 XT_{89}	16.6	X	186.48031	306.35888	287.94248	4.77179	0.1113169	0.30192297	2.2005874	21	—	—
125694 2001 XD_{90}	16.1	X	57.94018	76.69762	65.64498	3.54741	0.1182702	0.26921873	2.3753769	21	3 21.7	18.4
125695 2001 XF_{92}	17.5	X	165.30015	129.29495	349.74417	0.85110	0.1467998	0.28027537	2.3124877	21	7 11.9	21.0
125696 2001 XG_{92}	16.2	X	293.56636	113.05210	57.82774	4.94106	0.0915063	0.25567387	2.4585468	21	—	—
125697 2001 XJ_{92}	16.7	X	246.67979	246.21448	243.55717	1.75531	0.0851144	0.24384334	2.5374380	21	10 27.9	20.0
125698 2001 XT_{93}	16.8	X	209.27266	72.14861	44.54310	7.66396	0.0383320	0.28776185	2.2722036	21	9 7.0	19.7
125699 2001 XU_{93}	16.0	X	258.80862	173.50903	45.00520	3.68442	0.1393670	0.25860644	2.4399251	21	—	—
125700 2001 XN_{94}	16.2	X	57.03215	198.50186	296.83878	4.34938	0.1736232	0.26656200	2.3911339	21	3 11.4	18.3
125701 2001 XT_{94}	15.7	X	339.37578	92.78476	266.90553	10.20355	0.2262782	0.24220639	2.5488581	21	9 11.5	18.0
125702 2001 XS_{96}	15.6	X	234.52792	60.83229	81.07312	9.04931	0.1060499	0.24162860	2.5529197	21	10 28.9	19.2
125703 2001 XY_{96}	15.7	X	325.04869	31.42321	306.33450	4.15804	0.2703867	0.23796645	2.5790449	21	6 29.0	17.9
125704 2001 XB_{97}	16.1	X	242.49609	127.59992	279.35475	5.28123	0.1226190	0.28259885	2.2997950	21	6 27.9	19.1
125705 2001 XD_{97}	15.7	X	70.56649	95.09887	345.83473	2.84060	0.1869242	0.26227617	2.4171123	21	1 21.2	17.7
125706 2001 XZ_{97}	14.6	X	28.53799	67.08802	284.07887	7.29003	0.1758530	0.24528059	2.5275161	21	12 10.6	17.7
125707 2001 XZ_{98}	15.6	X	164.53508	321.27845	85.34954	5.21242	0.1501514	0.26998489	2.3708809	21	4 9.1	19.1
125708 2001 XD_{99}	14.9	X	200.80935	44.99941	91.63254	12.53291	0.1296218	0.23334215	2.6130071	21	9 13.8	19.1
125709 2001 XG_{99}	15.8	X	163.85736	347.24209	99.75448	3.43076	0.1864406	0.27390274	2.3482183	21	5 30.6	19.5
125710 2001 XJ_{99}	15.0	X	196.74287	211.95189	284.72813	10.79840	0.1948243	0.23195232	2.6234346	21	8 26.2	19.5
125711 2001 XG_{100}	16.2	X	184.12416	81.50464	298.40751	4.61037	0.1706215	0.26934547	2.3746317	21	3 21.1	20.0
125712 2001 XO_{100}	16.3	X	128.87341	133.25875	314.66424	3.33550	0.2187027	0.26936696	2.3745054	21	4 28.8	19.8
125713 2001 XP_{100}	15.9	X	84.53447	154.24293	286.63118	4.69231	0.0818150	0.26116987	2.4239333	21	1 31.4	18.6
125714 2001 XS_{100}	15.7	X	167.07001	57.85871	69.65185	3.92145	0.1488791	0.22727998	2.6592669	21	7 24.8	20.0
125715 2001 XZ_{100}	15.8	X	206.18207	311.54593	64.67466	6.37102	0.1525008	0.27283040	2.3543673	21	4 10.3	19.4
125716 2001 XT_{101}	15.5	X	273.00000	66.48975	46.82307	3.49864	0.0816552	0.24193754	2.5507460	21	11 12.0	18.3
125717 2001 XU_{101}	15.5	X	230.63482	207.14996	65.35448	4.39594	0.1461350	0.30839397	2.1696956	21	—	—
125718 Jemasalomon	15.4	X	99.94635	34.02988	318.28798	3.87977	0.1131423	0.25436868	2.4669497	21	—	—
125719 2001 XQ_{105}	16.6	X	131.78710	197.82694	231.86266	3.26639	0.1238466	0.26822867	2.3812185	21	3 27.7	19.7
125720 2001 XK_{106}	16.1	X	100.80071	63.44430	17.33905	6.84263	0.0891146	0.26810903	2.3819269	21	2 27.9	18.9
125721 2001 XS_{106}	15.5	X	121.10599	123.85596	286.28498	7.19051	0.1469804	0.21648458	2.7469541	21	2 25.9	19.4
125722 2001 XL_{107}	16.6	X	258.39167	220.26029	96.39394	3.64766	0.1769715	0.27398486	2.3477490	21	3 13.2	20.2
125723 2001 XA_{108}	15.4	X	18.29294	228.30960	277.03784	9.95256	0.1857171	0.26198959	2.4188747	21	1 2.9	17.5
125724 2001 XK_{108}	16.1	X	270.91114	220.68608	254.60449	3.69806	0.1357862	0.24155546	2.5534350	21	11 2.7	19.0
125725 2001 XA_{109}	16.1	X	358.65063	276.49387	49.21440	6.65469	0.1296361	0.28455427	2.2892469	21	9 16.8	18.1
125726 2001 XQ_{110}	16.2	X	71.97151	139.61775	84.32896	6.91683	0.0688267	0.28586927	2.2822212	21	8 7.3	18.9
125727 2001 XC_{111}	16.6	X	54.00331	113.77518	97.25544	6.08277	0.1161785	0.27775369	2.3264630	21	6 25.3	18.7
125728 2001 XJ_{111}	16.6	X	98.39764	318.53581	212.33573	2.95394	0.0998521	0.27600399	2.3362850	21	6 30.9	19.5
125729 2001 XM_{111}	15.1	X	344.62861	248.57610	118.57304	11.56792	0.0141900	0.18977782	2.9989720	21	10 7.4	19.4
125730 2001 XV_{111}	16.2	X	289.76326	262.24783	135.11235	8.24059	0.1207825	0.28746396	2.2737730	21	8 22.3	18.6
125731 2001 XK_{112}	15.9	X	200.21155	227.94484	203.33778	5.29892	0.0843990	0.22856166	2.6493162	21	6 16.0	19.8
125732 2001 XN_{112}	16.1	X	325.67512	189.77164	190.12500	3.68379	0.1972250	0.29147924	2.2528432	21	9 28.9	17.3
125733 2001 XO_{113}	16.4	X	225.62308	226.57057	125.58235	5.55009	0.1739366	0.27365889	2.3496131	21	3 28.2	20.1
125734 2001 XZ_{114}	16.3	X	130.03160	146.12408	319.17286	6.15427	0.0678387	0.27176471	2.3605181	21	5 3.9	19.5
125735 2001 XD_{115}	16.1	X	102.62727	111.76086	49.11825	5.70839	0.1123885	0.27377296	2.3489603	21	6 24.5	19.2
125736 2001 XJ_{115}	15.4	X	149.31117	318.33648	15.23643	4.09686	0.2348180	0.25876820	2.4389082	21	—	—
125737 2001 XB_{116}	15.3	X	161.88130	46.08733	88.13730	15.85553	0.0675159	0.22749591	2.6575839	21	7 26.9	19.3
125738 2001 XE_{116}	15.7	X	162.36366	109.04214	354.41189	5.54766	0.1169923	0.27473888	2.3434515	21	6 16.2	19.1
125739 2001 XH_{116}	15.7	X	344.01347	359.98777	358.98520	3.91048	0.1867545	0.28812979	2.2702687	21	10 9.1	17.1
125740 2001 XD_{117}	15.8	X	20.09425	9.33297	340.14317	4.68122	0.1777346	0.29139698	2.2532671	21	12 6.1	18.2
125741 2001 XG_{117}	15.7	X	265.43072	63.11032	330.57898	6.02635	0.1231334	0.28097378	2.3086540	21	7 9.6	18.6
125742 2001 XT_{117}	15.2	X	117.57190	153.76429	98.19685	26.10227	0.2561213	0.28519185	2.2858338	21	11 27.4	19.5
125743 2001 XE_{118}	15.9	X	334.85566	328.93330	66.99231	7.48111	0.1290066	0.23978943	2.5659569	21	11 5.5	18.4
125744 2001 XY_{118}	15.3	X	161.62119	154.65224	341.47798	11.28183	0.2093162	0.22454774	2.6807949	21	8 2.8	19.9
125745 2001 XF_{119}	15.3	X	178.05480	330.84002	100.20380	15.91704	0.0643153	0.22082661	2.7108269	21	5 25.7	19.5
125746 2001 XJ_{119}	16.1	X	238.93682	67.53304	51.85225	4.47646	0.2191392	0.23479791	2.6021954	21	9 18.3	20.0
125747 2001 XT_{120}	16.6	X	164.88600	87.28929	97.25698	5.70609	0.0177503	0.29219126	2.2491818	21	10 14.3	19.4
125748 2001 XH_{121}	16.1	X	314.40228	116.76460	210.27203	6.28532	0.0997013	0.23407433	2.6075553	21	6 19.8	19.2
125749 2001 XT_{121}	16.3	X	168.43035	289.95609	230.65238	5.62124	0.1076868	0.28696998	2.2763816	21	9 6.7	19.6
125750 2001 XJ_{122}	16.6	X	11.61074	29.40830	130.62316	1.18038	0.1505498	0.26440716	2.4041077	21	1 15.6	19.0
125751 2001 XQ_{122}	15.4	X	255.10244	219.43212	78.05171	3.56529	0.0166225	0.21967550	2.7202885	21	3 6.9	19.2
125752 2001 XD_{123}	15.8	X	312.29334	125.20192	95.18052	7.84754	0.1160395	0.26602682	2.3943397	21	1 14.5	19.0
125753 2001 XX_{123}	16.5	X	23.91197	54.21039	183.50729	1.49219	0.0986052	0.27890414	2.3200611	21	6 9.1	18.6
125754 2001 XG_{127}	16.1	X	122.87842	345.28922	234.60721	1.74576	0.0737960	0.23929083	2.5695201	21	10 1.2	19.8
125755 2001 XY_{127}	16.6	X	96.56832	303.55094	237.79784	4.12177	0.1324968	0.27867627	2.3213256	21	7 17.8	19.6
125756 2001 XU_{128}	16.5	X	190.21348	39.36216	170.43000	1.79744	0.0893992	0.29703852	2.2246458	21	12 11.5	19.5
125757 2001 XA_{129}	15.8	X	358.72341	231.86118	147.56783	2.82509	0.0886367	0.19522417	2.9429326	21	11 11.2	19.5
125758 2001 XY_{129}	16.0	X	173.81692	24.65285	243.27261	4.27630	0.0862262	0.25378016	2.4707621	21	—	—
125759 2001 XH_{130}	16.1	X	153.26253	320.51700	227.96998	3.82520	0.0256579	0.23894460	2.5720016	21	9 23.3	19.5
125760 2001 XN_{131}	16.7	X	186.24414	287.70375	76.97276	1.71768	0.0257261	0.26890012	2.3772529	21	2 27.3	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125761 2001 XQ_{131}	16.1	X	343.09946	100.52232	72.78212	7.18755	0.0411827	0.26296756	2.4128737	21	1 5.1	19.1
125762 2001 XY_{134}	16.0	X	303.99390	104.63073	83.22019	8.00025	0.0745437	0.25851953	2.4404719	21	—	—
125763 2001 XC_{136}	16.4	X	116.70545	178.33257	114.40677	2.47104	0.1684177	0.30033142	2.2083549	21	—	—
125764 2001 XG_{136}	15.7	X	34.07637	176.90515	87.48197	10.47623	0.1112314	0.28309919	2.2970845	21	8 15.7	18.2
125765 2001 XO_{136}	15.8	X	29.14760	255.97385	85.22324	3.90288	0.1932032	0.24572954	2.5244366	21	12 1.4	18.9
125766 2001 XS_{136}	15.9	X	174.74481	338.96011	242.02352	3.17351	0.0461862	0.24577085	2.5241537	21	12 2.4	19.1
125767 2001 XZ_{136}	15.9	X	146.46541	53.55848	77.50546	3.42446	0.0265764	0.22915886	2.6447113	21	6 29.9	19.5
125768 2001 XD_{137}	16.0	X	212.40301	52.65108	95.03256	4.44316	0.0839989	0.23986265	2.5654347	21	10 11.4	19.7
125769 2001 XY_{137}	15.9	X	329.55289	130.72056	106.04026	4.53296	0.1859829	0.26862438	2.3788794	21	2 18.3	18.5
125770 2001 XA_{138}	15.7	X	205.74926	31.34759	88.10974	15.03781	0.0180931	0.23575404	2.5951549	21	9 7.1	19.5
125771 2001 XM_{138}	15.9	X	238.22519	166.35056	105.96891	7.80847	0.0990402	0.26234843	2.4166685	21	—	—
125772 2001 XY_{138}	15.0	X	254.50471	272.56083	89.90698	11.39898	0.0138421	0.17635910	3.1492283	21	6 1.0	19.5
125773 2001 XA_{140}	16.2	X	136.30538	50.14129	84.48355	7.30406	0.0512208	0.27802303	2.3249603	21	6 23.3	19.2
125774 2001 XJ_{140}	15.8	X	81.89024	109.97626	122.35306	3.16065	0.0400361	0.23382206	2.6094304	21	8 24.3	19.1
125775 2001 XQ_{140}	16.2	X	79.25936	168.61649	96.52284	5.90409	0.1443118	0.28918342	2.2647510	21	10 27.1	19.3
125776 2001 XX_{140}	16.3	X	122.52947	34.60228	169.24237	1.75172	0.0145500	0.23709509	2.5853599	21	9 4.6	19.5
125777 2001 XV_{143}	16.6	X	272.66830	5.48415	105.88130	2.41128	0.0546756	0.24418965	2.5350384	21	11 13.9	19.6
125778 2001 XV_{144}	16.3	X	55.57793	341.18511	230.92486	5.46763	0.0556028	0.27744119	2.3282097	21	6 20.0	18.9
125779 2001 XL_{145}	15.3	X	272.52079	252.39064	86.26825	15.86255	0.1373217	0.22770856	2.6559291	21	5 8.1	19.3
125780 2001 XM_{145}	16.7	X	209.07971	274.90440	84.46385	3.04034	0.1505887	0.27223714	2.3577865	21	3 21.7	20.3
125781 2001 XO_{145}	16.4	X	168.89166	135.71154	256.71866	5.42411	0.1260296	0.27032554	2.3688887	21	3 18.8	19.9
125782 2001 XW_{146}	17.2	X	254.82869	292.70877	63.50044	0.82563	0.1925997	0.27869020	2.3212482	21	4 26.3	20.4
125783 2001 XD_{147}	15.5	X	242.10441	246.64979	110.23622	2.83810	0.1505469	0.22600076	2.6692922	21	4 22.9	19.6
125784 2001 XZ_{147}	15.9	X	186.12537	194.20912	190.87249	2.58553	0.0969542	0.22106005	2.7089181	21	4 2.9	20.0
125785 2001 XX_{148}	16.2	X	160.24594	254.16903	98.72914	7.24121	0.1331215	0.26393498	2.4069741	21	1 23.3	19.6
125786 2001 XR_{150}	15.9	X	136.55591	293.51417	88.58208	10.36953	0.1032684	0.26394674	2.4069026	21	1 30.6	19.1
125787 2001 XY_{150}	15.6	X	181.63650	278.35162	259.14005	11.42255	0.1368655	0.23807330	2.5782731	21	10 5.0	19.8
125788 2001 XH_{151}	15.9	X	305.69064	96.82631	251.70393	1.71150	0.1386070	0.23330332	2.6132970	21	6 30.7	18.9
125789 2001 XY_{151}	16.2	X	39.56027	222.08818	82.28307	6.44387	0.1422560	0.23944017	2.5684516	21	10 21.4	19.4
125790 2001 XB_{152}	16.3	X	81.75749	355.41642	81.45199	5.55658	0.0959304	0.26261068	2.4150593	21	1 24.8	19.0
125791 2001 XJ_{152}	16.1	X	70.91482	170.17906	215.22539	1.91365	0.1392245	0.25540089	2.4602983	21	—	—
125792 2001 XL_{152}	16.0	X	222.81410	287.25189	249.34420	8.01726	0.1006618	0.24430563	2.5342361	21	11 25.9	19.4
125793 2001 XC_{153}	16.2	X	126.08808	208.39676	144.80334	2.05202	0.1951865	0.25984036	2.4321945	21	—	—
125794 2001 XV_{153}	15.9	X	202.94436	253.29772	67.41678	1.47875	0.0656005	0.21335554	2.7737465	21	2 1.4	20.0
125795 2001 XW_{153}	15.5	X	313.28653	150.51842	250.38630	0.59591	0.1955174	0.19015250	2.9950312	21	9 15.6	18.7
125796 2001 XH_{154}	16.0	X	135.64959	62.35248	262.68080	4.05593	0.0647662	0.25495449	2.4631693	21	—	—
125797 2001 XN_{155}	16.2	X	121.92737	340.54603	118.46320	3.49038	0.1527267	0.27049185	2.3679176	21	4 30.9	19.4
125798 2001 XY_{155}	16.6	X	188.32926	85.94201	267.15471	2.52906	0.1963795	0.26835201	2.3804888	21	2 21.9	20.5
125799 2001 XU_{156}	15.4	X	9.99061	149.39582	244.03610	1.65900	0.1442478	0.24756465	2.5119460	21	—	—
125800 2001 XX_{156}	16.1	X	279.63188	152.97696	271.26115	2.78943	0.2392882	0.23832062	2.5764891	21	8 19.3	19.3
125801 2001 XO_{157}	15.4	X	213.31505	257.97183	99.27034	7.93420	0.1388308	0.27150988	2.3619949	21	3 25.8	19.1
125802 2001 XS_{157}	15.8	X	250.85965	113.83366	242.10994	5.95142	0.1374404	0.27660016	2.3329267	21	4 25.8	19.3
125803 2001 XF_{158}	16.2	X	190.28938	252.94449	89.56905	4.09446	0.2345289	0.26732243	2.3865972	21	2 14.9	20.3
125804 2001 XQ_{158}	16.7	X	132.99687	320.84432	112.56163	2.38207	0.0449252	0.26865852	2.3786779	21	3 25.8	19.7
125805 2001 XR_{158}	17.3	X	258.69737	289.32040	111.88815	3.40551	0.1751215	0.28351974	2.2948124	21	7 2.8	20.4
125806 2001 XC_{159}	16.3	X	176.77793	146.73856	256.67312	5.03147	0.1158526	0.27168262	2.3609936	21	4 10.6	19.8
125807 2001 XB_{160}	15.9	X	15.07143	65.96923	245.82885	5.72497	0.1439658	0.28627768	2.2800501	21	9 22.2	18.2
125808 2001 XR_{160}	16.0	X	78.59812	22.99223	257.83642	3.53827	0.1375344	0.29187039	2.2508300	21	11 12.6	18.9
125809 2001 XA_{161}	15.7	X	281.38003	261.96747	97.06741	8.47497	0.0262274	0.22988666	2.6391265	21	6 27.4	19.0
125810 2001 XF_{162}	16.4	X	38.87985	12.31263	243.04326	5.52916	0.1092401	0.28112649	2.3078179	21	8 3.4	18.9
125811 2001 XP_{162}	15.7	X	209.23654	331.72997	101.96382	4.17693	0.0899288	0.22982016	2.6396355	21	6 28.9	19.5
125812 2001 XD_{163}	16.3	X	229.27466	43.96055	97.21546	4.59075	0.0337981	0.24128501	2.5553427	21	10 29.9	19.7
125813 2001 XN_{164}	15.8	X	305.71248	16.18097	188.32914	2.32381	0.1443366	0.25873398	2.4391232	21	—	—
125814 2001 XQ_{164}	16.0	X	223.38095	181.35880	274.62816	2.90776	0.1335432	0.23369629	2.6103666	21	8 8.7	19.9
125815 2001 XD_{165}	15.8	X	346.54208	229.33860	99.78408	6.65370	0.1060279	0.23521867	2.5990912	21	8 20.7	18.6
125816 2001 XC_{166}	16.5	X	234.05467	207.64002	119.15099	3.62576	0.2007289	0.27110219	2.3643623	21	3 2.2	20.3
125817 2001 XO_{167}	15.9	X	145.81802	101.17287	107.27521	5.11849	0.1480352	0.23667736	2.5884011	21	10 16.7	20.0
125818 2001 XL_{168}	15.0	X	62.97034	130.68867	100.70562	15.32279	0.2174809	0.22769331	2.6560477	21	8 29.2	18.7
125819 2001 XO_{169}	16.1	X	6.11489	316.64020	229.53581	1.38673	0.1290867	0.26399358	2.4066179	21	2 14.8	18.6
125820 2001 XO_{170}	16.3	X	77.60023	107.89731	111.87115	3.06662	0.1668416	0.27972468	2.3155217	21	8 23.9	19.3
125821 2001 XU_{170}	16.6	X	317.03554	268.88624	82.97835	3.32318	0.1190406	0.28526032	2.2854679	21	7 31.3	18.7
125822 2001 XB_{171}	14.7	X	325.00079	225.32871	85.03698	16.05686	0.1832593	0.23029549	2.6360022	21	6 2.9	17.6
125823 2001 XD_{172}	16.8	X	214.29200	313.79527	92.59087	1.63307	0.1833715	0.27776962	2.3263741	21	5 23.7	20.5
125824 2001 XP_{172}	14.8	X	46.16375	72.99970	267.05081	12.68266	0.2229969	0.24573470	2.5244013	21	12 25.4	18.2
125825 2001 XQ_{173}	15.5	X	227.65153	354.66424	145.67529	0.89097	0.1217054	0.23861679	2.5743566	21	10 13.1	18.9
125826 2001 XU_{173}	15.5	X	300.04177	117.83171	238.50140	1.18332	0.2460060	0.23359392	2.6111292	21	6 14.7	18.8
125827 2001 XP_{174}	16.2	X	111.25264	134.70644	246.13731	2.36664	0.1925572	0.25981876	2.4323293	21	1 7.6	18.8
125828 2001 XT_{174}	16.2	X	3.85460	245.26484	171.52616	1.38581	0.1009603	0.24805652	2.5086242	21	—	—
125829 2001 XW_{174}	15.9	X	179.61317	63.58252	95.87037	3.95013	0.1255467	0.23373134	2.6101056	21	9 17.4	19.9
125830 2001 XG_{175}	15.6	X	230.88500	292.47650	135.93547	3.57715	0.0454883	0.23010502	2.6374566	21	7 21.7	19.2
125831 2001 XU_{176}	16.0	X	328.97168	204.13237	162.03524	1.14834	0.1555537	0.23696223	2.5863262	21	9 7.1	18.4
125832 2001 XG_{177}	16.8	X	175.15360	307.60369	119.55432	7.67630	0.0519781	0.27268406	2.3552095	21	5 12.5	20.0
125833 2001 XW_{179}	14.9	X	263.45128	259.56933	107.92191	21.87989	0.2017799	0.22873822	2.6479527	21	5 28.1	19.2
125834 2001 XA_{180}	15.5	X	125.25964	165.45292	189.04643	2.07531	0.2040947	0.25770198	2.4456307	21	—	—
125835 2001 XJ_{180}	16.1	X	164.09041	337.88730	128.13153	6.08429	0.1333681	0.27576540	2.3376323	21	6 22.7	19.6
125836 2001 XL_{180}	16.2	X	356.62163	15.76008	231.56278	4.49424	0.1898432	0.26982630	2.3718098	21	4 23.4	18.1
125837 2001 XZ_{180}	17.1	X	221.22387	283.78724	145.68751	1.88011	0.2067098	0.28044919	2.3115321	21	6 28.1	20.6
125838 2001 XC_{181}	16.7	X	86.81035	278.32877	216.50348	1.88417	0.1666524	0.26776181	2.3839856	21	5 4.9	19.5
125839 2001 XX_{181}	16.5	X	239.24053	213.63464	256.17846	2.80276	0.2026606	0.23571793	2.5954199	21	9 4.7	20.3
125840 2001 XB_{182}	15.6	X	99.62782	269.55731	128.59096	5.40819	0.1840646	0.25957169	2.4338725	21	1 12.2	18.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125841 2001 XO_{182}	15.5	X	247.71604	71.34611	273.98770	10.95120	0.2124093	0.27333723	2.3514560	21	3 29.4	19.5
125842 2001 XQ_{182}	15.1	X	309.05570	351.14908	269.61500	7.96381	0.1623069	0.21467099	2.7624036	21	3 1.6	19.0
125843 2001 XD_{183}	16.4	X	52.81741	320.09371	105.00982	3.55964	0.1737359	0.25584525	2.4574488	21	—	—
125844 2001 XF_{183}	16.7	X	191.61839	174.13861	184.15894	1.16883	0.1876660	0.26700327	2.3884986	21	3 3.9	20.6
125845 2001 XO_{183}	14.7	X	354.95903	16.84852	226.10238	3.38293	0.0534768	0.16854138	3.2458742	21	5 6.9	18.8
125846 2001 XR_{183}	15.9	X	112.16580	181.61416	249.03392	5.15681	0.1063555	0.26406463	2.4061862	21	2 28.1	18.9
125847 2001 XT_{183}	16.3	X	21.04924	333.84776	186.83387	3.46254	0.1501438	0.26098103	2.4251025	21	2 3.8	18.6
125848 2001 XE_{184}	16.0	X	77.83295	185.85844	226.30223	3.44762	0.1768235	0.25774404	2.4453647	21	—	—
125849 2001 XH_{184}	17.0	X	120.30430	224.47829	186.13477	2.75660	0.2219528	0.26418344	2.4054647	21	3 3.4	20.2
125850 2001 XM_{184}	16.0	X	284.58115	283.29771	121.72043	5.69457	0.1453636	0.23471752	2.6027895	21	8 17.2	19.1
125851 2001 XC_{185}	16.7	X	147.99096	314.07514	95.84238	3.46519	0.2000198	0.26900479	2.3766362	21	3 31.3	20.2
125852 2001 XF_{186}	15.8	X	346.43986	223.53949	119.52316	5.95776	0.0796105	0.23505696	2.6002831	21	9 10.1	18.8
125853 2001 XC_{187}	16.2	X	274.81985	184.89420	102.25203	5.12666	0.1179686	0.26650243	2.3914902	21	2 27.2	19.5
125854 2001 XN_{187}	16.1	X	356.02490	115.19524	142.80083	4.82535	0.0741550	0.27278359	2.3546366	21	5 21.5	18.6
125855 2001 XS_{187}	15.9	X	106.10517	24.19580	169.49446	1.70662	0.0586302	0.22796405	2.6539443	21	8 5.1	19.4
125856 2001 XR_{188}	15.3	X	15.22924	98.24065	264.58669	4.52553	0.2881306	0.24458586	2.5322999	21	12 24.7	17.9
125857 2001 XX_{188}	15.7	X	13.31399	211.23047	222.06344	4.34219	0.1097064	0.19994420	2.8964332	21	—	—
125858 2001 XO_{189}	16.1	X	129.33429	235.84148	126.36203	6.53500	0.1442940	0.25813796	2.4428762	21	—	—
125859 2001 XV_{189}	16.6	X	74.98220	349.35323	177.20198	2.32554	0.1227278	0.26954583	2.3734548	21	5 25.8	19.3
125860 2001 XZ_{189}	15.9	X	274.29212	153.58968	273.71711	10.77586	0.1551659	0.23579181	2.5948778	21	8 25.1	19.4
125861 2001 XE_{190}	15.8	X	147.97429	310.49234	136.56440	5.51175	0.0819661	0.22017118	2.7162041	21	5 11.4	19.8
125862 2001 XA_{191}	16.0	X	357.21667	113.04706	278.68132	4.69894	0.1378592	0.24330263	2.5411961	21	12 10.1	18.7
125863 2001 XK_{191}	15.6	X	71.25291	299.21657	108.06375	24.31323	0.2078984	0.25657374	2.4527950	21	—	—
125864 2001 XR_{191}	16.0	X	37.84324	274.64418	246.97140	1.41209	0.1343057	0.26336405	2.4104515	21	3 11.5	18.1
125865 2001 XW_{191}	16.3	X	176.87556	258.63022	146.19585	4.11394	0.1444587	0.27025813	2.3692826	21	4 17.8	19.8
125866 2001 XZ_{191}	16.0	X	113.01067	359.88618	119.33307	5.54087	0.1743851	0.26940647	2.3742732	21	5 20.9	19.2
125867 2001 XA_{192}	16.6	X	12.70131	357.60485	161.41835	2.61269	0.1608681	0.25922167	2.4360630	21	1 16.1	18.7
125868 2001 XF_{192}	15.7	X	297.13140	278.09507	145.12284	2.67254	0.1680023	0.23863636	2.5742159	21	9 29.9	18.4
125869 2001 XW_{193}	16.1	X	349.20560	229.80335	173.34870	2.19908	0.1111863	0.24288650	2.5440978	21	12 9.7	18.9
125870 2001 XW_{194}	15.4	X	341.65780	110.46272	276.50765	11.65138	0.1538567	0.24002042	2.5643104	21	10 31.7	18.2
125871 2001 XA_{195}	16.5	X	71.18418	207.79311	187.63990	2.01344	0.1945338	0.25442289	2.4665993	21	—	—
125872 2001 XB_{195}	15.6	X	170.38037	177.51892	180.52867	2.67419	0.2128721	0.26322669	2.4112899	21	2 14.5	19.5
125873 2001 XF_{195}	15.4	X	181.05170	215.75715	280.76248	13.00840	0.0901649	0.22955798	2.6416450	21	8 14.2	19.5
125874 2001 XC_{196}	15.7	X	316.26076	303.47705	112.42261	4.83288	0.0600795	0.23892660	2.5721308	21	11 3.4	18.7
125875 2001 XJ_{196}	16.0	X	324.16102	107.39851	291.62928	5.84976	0.1577170	0.23904940	2.5712498	21	10 13.8	18.5
125876 2001 XT_{197}	16.5	X	188.55258	286.50715	118.01240	6.10830	0.1803868	0.27148481	2.3621403	21	4 30.5	20.3
125877 2001 XV_{197}	15.8	X	250.06543	176.40978	288.02978	12.69572	0.1171887	0.23522331	2.5990571	21	9 15.7	19.6
125878 2001 XR_{198}	15.7	X	95.83373	340.35511	117.81120	2.09997	0.1164887	0.21428472	2.7657224	21	3 27.5	19.2
125879 2001 XG_{199}	16.1	X	318.92468	297.29938	124.43905	4.97319	0.1103847	0.24101188	2.5572730	21	11 13.9	18.8
125880 2001 XF_{201}	16.2	X	273.04033	316.13813	105.86564	4.45586	0.0358305	0.23378059	2.6097391	21	9 11.5	19.6
125881 2001 XK_{202}	16.4	X	80.91663	5.58252	128.04223	4.92346	0.1850160	0.27098254	2.3650583	21	4 29.1	19.0
125882 2001 XN_{202}	16.1	X	81.59577	34.71719	111.44015	6.37829	0.0867304	0.27403853	2.3474425	21	5 2.1	18.8
125883 2001 XQ_{205}	15.9	X	266.97473	141.57733	217.64813	6.05625	0.1305802	0.28073992	2.3099359	21	5 21.6	18.9
125884 2001 XP_{207}	16.8	X	206.08088	285.28142	129.59134	3.83589	0.1936726	0.27864888	2.3214777	21	5 27.5	20.5
125885 2001 XE_{208}	15.8	X	317.60665	107.19843	214.89123	6.64256	0.1312175	0.28184973	2.3038682	21	6 11.7	18.2
125886 2001 XS_{208}	16.3	X	222.33248	255.54758	107.05742	7.50657	0.1251241	0.27408831	2.3471583	21	4 10.5	19.9
125887 2001 XH_{209}	15.7	X	134.17470	171.83453	208.93203	3.63784	0.2141709	0.26489636	2.4011469	21	2 6.7	19.0
125888 2001 XK_{209}	16.0	X	300.25984	250.81880	125.96020	4.56712	0.0919281	0.23558780	2.5963756	21	8 9.5	19.1
125889 2001 XM_{209}	16.2	X	254.53710	330.34241	103.21462	12.76197	0.1610090	0.23600944	2.5932824	21	8 14.8	19.9
125890 2001 XD_{210}	15.4	X	115.63023	292.73920	245.26378	13.22215	0.0939174	0.22887804	2.6468742	21	7 26.9	19.4
125891 2001 XL_{210}	16.6	X	292.80728	260.15358	117.93017	5.66882	0.1655646	0.28584739	2.2823376	21	7 19.4	18.9
125892 2001 XL_{212}	16.8	X	220.85188	237.85409	141.81273	3.55259	0.1790637	0.27645420	2.3337478	21	4 26.5	20.4
125893 2001 XM_{212}	16.3	X	142.29537	202.36856	228.64274	7.19675	0.1521477	0.27062245	2.3671557	21	4 13.7	19.8
125894 2001 XU_{212}	15.9	X	20.71217	304.06363	166.51228	5.52070	0.1088522	0.25654060	2.4530062	21	—	—
125895 2001 XX_{212}	15.6	X	77.11326	273.11565	137.00716	8.23973	0.1079779	0.25731807	2.4480626	21	—	—
125896 2001 XG_{213}	16.4	X	118.79392	276.83313	169.08769	4.99177	0.1248274	0.26730487	2.3867016	21	4 5.0	19.5
125897 2001 XK_{214}	16.4	X	162.29970	244.34571	196.01871	3.78423	0.1528823	0.27380783	2.3487609	21	5 18.9	19.9
125898 2001 XU_{215}	16.1	X	44.98215	230.84286	79.26505	3.14344	0.0788340	0.24176311	2.5519727	21	10 25.5	19.2
125899 2001 XT_{216}	16.6	X	252.46343	280.85321	64.82314	1.45988	0.1111548	0.27563969	2.3383430	21	4 18.0	19.7
125900 2001 XY_{216}	15.5	X	9.73315	243.85012	44.35688	12.10831	0.2169736	0.28146050	2.3059917	21	8 22.5	17.4
125901 2001 XE_{217}	16.1	X	86.14857	20.20900	93.56770	7.23241	0.0769670	0.26628545	2.3927891	21	3 24.3	19.0
125902 2001 XF_{218}	15.6	X	352.24621	198.13683	44.68453	14.46302	0.1298033	0.22724134	2.6595684	21	4 23.2	18.5
125903 2001 XM_{218}	16.8	X	225.04540	197.50114	9.97069	3.36850	0.1358051	0.30308893	2.1949401	21	—	—
125904 2001 XR_{218}	16.8	X	276.77972	336.46741	343.82591	1.22033	0.2093290	0.28019077	2.3129531	21	3 30.3	20.0
125905 2001 XV_{218}	15.6	X	113.59646	267.54575	257.03717	9.76018	0.1028765	0.23037379	2.6354048	21	7 10.9	19.4
125906 2001 XZ_{218}	16.6	X	251.29738	57.58909	51.63229	5.19234	0.1476158	0.24157318	2.5533102	21	9 29.7	20.0
125907 2001 XQ_{219}	16.8	X	287.23050	9.67957	350.85849	2.31994	0.0741621	0.28410505	2.2916594	21	6 29.9	19.4
125908 2001 XE_{220}	16.4	X	99.11253	72.37403	63.47773	3.56074	0.1054408	0.27406803	2.3472740	21	5 13.8	19.2
125909 2001 XM_{221}	15.8	X	11.53581	242.28984	51.02538	4.87663	0.1239844	0.23737327	2.5833397	21	8 15.2	18.5
125910 2001 XX_{221}	16.9	X	36.31071	160.10616	244.74942	1.65478	0.0826444	0.25465809	2.4650803	21	—	—
125911 2001 XO_{223}	15.5	X	329.93924	210.63170	54.70137	13.18553	0.2254544	0.27631829	2.3345130	21	3 29.5	18.1
125912 2001 XJ_{224}	16.2	X	298.23810	126.76544	65.22942	6.96836	0.0794209	0.25926853	2.4357694	21	—	—
125913 2001 XS_{225}	16.1	X	44.08484	173.78220	74.69458	0.73188	0.0634226	0.23257125	2.6187781	21	7 26.6	19.1
125914 2001 XY_{225}	15.9	X	165.49640	163.61819	64.10725	3.81335	0.1623634	0.29589353	2.2303811	21	12 1.9	19.4
125915 2001 XA_{227}	16.3	X	132.46050	105.97579	287.65777	5.73601	0.1576513	0.26631260	2.3926265	21	2 13.2	19.6
125916 2001 XE_{227}	15.5	X	132.52403	159.79431	62.74642	12.75055	0.0714396	0.24048019	2.5610409	21	10 21.1	19.3
125917 2001 XD_{228}	16.4	X	341.40438	272.90297	310.42013	3.76421	0.0973077	0.26927277	2.3750591	21	3 1.2	19.0
125918 2001 XG_{229}	16.4	X	160.85121	287.17116	35.98444	2.74537	0.1950844	0.26176151	2.4202795	21	—	—
125919 2001 XA_{230}	16.0	X	123.73278	256.33541	44.48351	1.21456	0.1280509	0.25223540	2.4808396	21	—	—
125920 2001 XE_{231}	15.7	X	128.09162	171.47209	18.97541	2.56946	0.1504454	0.23303845	2.6152768	21	9 5.5	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125921 2001 XG_{231}	15.9	X	134.31294	160.78592	36.38045	3.49593	0.0814690	0.23603453	2.5930985	21	9 17.1	19.6
125922 2001 XR_{234}	15.8	X	38.59664	81.10664	59.34081	5.79355	0.1070419	0.21433796	2.7652643	21	2 24.7	19.1
125923 2001 XW_{235}	16.2	X	3.13910	340.27763	40.39017	2.82407	0.0676546	0.24511291	2.5286686	21	11 26.5	19.1
125924 2001 XG_{236}	16.1	X	176.40226	358.41779	3.74621	2.74068	0.1880205	0.26855528	2.3792875	21	2 23.9	19.9
125925 2001 XE_{237}	16.1	X	8.47579	46.98239	336.40756	1.65190	0.0747283	0.24618437	2.5213264	21	12 9.3	19.1
125926 2001 XM_{237}	16.7	X	74.32913	253.96712	340.08004	2.49320	0.0721990	0.28462443	2.2888707	21	8 24.4	19.1
125927 2001 XD_{238}	15.9	X	322.37540	42.19609	10.03919	1.34648	0.1241083	0.24268941	2.5454750	21	11 4.2	18.3
125928 2001 XE_{238}	16.0	X	24.82973	181.21252	291.56692	1.57812	0.1464688	0.25806925	2.4433098	21	—	—
125929 2001 XH_{238}	15.2	X	309.09260	51.68755	324.91863	3.78639	0.2533359	0.23825847	2.5769371	21	7 29.7	17.7
125930 2001 XP_{238}	15.8	X	211.72762	116.13805	283.63626	6.94352	0.1052995	0.27596053	2.3365302	21	5 13.5	19.3
125931 2001 XX_{238}	16.2	X	167.93961	351.88364	77.62231	6.71121	0.1046633	0.27310192	2.3528065	21	5 8.6	19.5
125932 2001 XE_{239}	16.0	X	132.72957	70.57630	28.65499	2.69006	0.1688770	0.27200306	2.3591389	21	5 13.5	19.4
125933 2001 XM_{239}	16.8	X	134.76050	36.27838	47.26510	1.98503	0.1490556	0.27032420	2.3688966	21	4 23.2	20.1
125934 2001 XP_{239}	16.0	X	102.92070	225.71699	310.31872	3.45342	0.2465693	0.27371906	2.3492687	21	8 2.3	19.5
125935 2001 XT_{239}	16.2	X	63.35789	41.03576	65.67843	4.57938	0.1053233	0.26226619	2.4171736	21	2 7.2	18.7
125936 2001 XX_{239}	16.4	X	80.68148	60.09196	43.15775	2.74976	0.1715590	0.26424450	2.4050942	21	3 12.6	18.8
125937 2001 XF_{240}	14.8	X	58.31847	121.08049	91.74520	13.63870	0.1274423	0.22362888	2.6881333	21	7 7.3	18.0
125938 2001 XP_{240}	15.8	X	175.12566	9.91519	69.63452	4.53815	0.0997736	0.22403187	2.6849087	21	5 30.5	19.8
125939 2001 XT_{240}	15.8	X	285.30079	348.78844	73.69880	5.03875	0.1346298	0.23727279	2.5840689	21	9 16.1	18.9
125940 2001 XU_{240}	16.6	X	12.49610	112.62571	347.55871	1.81834	0.1455241	0.25382406	2.4704772	21	—	—
125941 2001 XC_{241}	15.7	X	191.28140	31.88203	52.87938	4.12704	0.0685098	0.22681051	2.6629352	21	6 23.9	19.7
125942 2001 XG_{241}	15.2	X	218.35920	175.21904	267.20725	11.96635	0.2521966	0.22894209	2.6463805	21	7 8.4	19.7
125943 2001 XB_{243}	15.9	X	133.73418	302.37518	92.94453	10.54210	0.0519031	0.26336174	2.4104655	21	2 6.5	19.1
125944 2001 XC_{243}	16.9	X	97.50795	349.19356	137.59234	1.57914	0.1391336	0.26909488	2.3761057	21	5 4.9	19.8
125945 2001 XP_{243}	15.7	X	144.91975	276.59464	111.45095	6.41424	0.0796337	0.21197185	2.7858042	21	2 22.9	19.7
125946 2001 XJ_{245}	15.9	X	22.45617	255.74074	152.63119	6.23241	0.1167102	0.25368545	2.4713771	21	—	—
125947 2001 XX_{250}	16.7	X	113.51662	168.78567	191.32684	0.81001	0.1994232	0.25932696	2.4354036	21	—	—
125948 2001 XH_{251}	15.5	X	277.95211	305.25058	91.04493	5.94165	0.0717261	0.23402337	2.6079338	21	8 7.8	18.8
125949 2001 XF_{252}	16.3	X	216.21788	248.60471	106.82539	7.17642	0.1670089	0.27051245	2.3677974	21	3 25.4	20.1
125950 2001 XG_{252}	15.8	X	113.88134	284.29115	173.64550	3.19246	0.0521738	0.21751416	2.7382789	21	4 9.3	19.4
125951 2001 XF_{253}	16.0	X	11.62313	131.44830	287.81675	13.18212	0.1341204	0.24738846	2.5131385	21	—	—
125952 2001 XP_{258}	16.0	X	138.80025	52.92292	127.92806	6.14307	0.0938937	0.28558742	2.2837225	21	9 5.1	19.1
125953 2001 XH_{259}	16.6	X	262.76579	284.14738	127.99893	7.51448	0.0913361	0.28637604	2.2795280	21	8 6.5	19.1
125954 2001 XL_{259}	15.8	X	110.21500	279.86511	115.80496	12.48932	0.0662679	0.26244858	2.4160536	21	1 6.1	18.5
125955 2001 XO_{261}	15.9	X	205.08198	235.16091	106.88783	7.07240	0.1271549	0.22030445	2.7151086	21	3 3.1	20.2
125956 2001 XR_{262}	16.8	X	129.93739	90.99401	83.39042	4.37087	0.0875744	0.28369652	2.2938589	21	8 16.1	19.8
125957 2001 XE_{264}	16.9	X	220.70962	171.64774	124.48665	4.06513	0.1789911	0.31669886	2.1315968	21	1 4.6	20.2
125958 2001 XK_{264}	15.7	X	98.30643	185.16018	19.13948	6.03707	0.1116815	0.28258920	2.2998473	21	8 22.7	18.8
125959 2001 XL_{264}	16.2	X	341.25089	13.53653	312.08377	5.42663	0.2186028	0.28827753	2.2694930	21	7 31.3	17.3
125960 2001 XE_{265}	15.9	X	279.52800	200.31986	101.70208	2.73590	0.0748169	0.22223619	2.6993520	21	4 3.8	19.7
125961 2001 XP_{266}	15.7	X	10.26184	54.65738	284.41743	9.67213	0.1498438	0.23905576	2.5712042	21	10 14.8	18.6
125962 2001 YD_{6}	16.6	X	169.95617	8.06982	358.35367	1.03924	0.1952110	0.26582436	2.3955553	21	2 23.7	20.4
125963 2001 YO_{7}	16.1	X	266.80518	146.16270	77.36239	6.04876	0.0461565	0.25841166	2.4411510	21	—	—
125964 2001 YU_{7}	16.3	X	104.79665	125.81482	299.48329	5.14116	0.0717555	0.26561249	2.3968290	21	2 6.7	19.0
125965 2001 YX_{7}	16.3	X	295.70437	27.31239	301.78991	6.88636	0.1446201	0.28111299	2.3078918	21	5 12.3	19.2
125966 2001 YD_{11}	16.2	X	171.02655	254.05352	123.13393	5.89541	0.2259261	0.26646531	2.3917123	21	3 13.7	20.1
125967 2001 YG_{11}	15.9	X	26.53936	261.85061	267.85641	3.72899	0.1438872	0.26211083	2.4181287	21	2 27.7	18.1
125968 2001 YR_{11}	16.1	X	113.22878	323.07688	281.33886	6.24719	0.1239870	0.29211474	2.2495746	21	10 30.4	19.5
125969 2001 YL_{13}	16.3	X	27.29186	191.10781	74.82531	5.39463	0.1993722	0.28290139	2.2981551	21	8 18.2	18.2
125970 2001 YS_{15}	16.1	X	142.06190	212.83639	84.52845	6.12890	0.1986936	0.25318768	2.4746151	21	—	—
125971 2001 YW_{15}	16.2	X	269.86964	24.22683	312.20776	4.32194	0.1951087	0.27912568	2.3188333	21	4 13.0	19.7
125972 2001 YX_{15}	16.5	X	247.06829	189.75675	153.05677	2.76926	0.2365934	0.27609087	2.3357948	21	3 30.5	20.2
125973 2001 YA_{17}	16.9	X	244.95159	89.31690	273.11098	2.05534	0.1946395	0.27725640	2.3292441	21	4 23.6	20.6
125974 2001 YY_{18}	16.4	X	126.58362	114.73664	347.88230	4.74115	0.0790296	0.26969512	2.3725789	21	4 28.2	19.5
125975 2001 YD_{19}	15.9	X	9.23415	121.25886	284.85427	1.07230	0.0694982	0.19646454	2.9305329	21	12 27.6	19.7
125976 2001 YR_{20}	15.9	X	177.84025	287.63375	21.75959	5.75389	0.0494746	0.21121817	2.7924272	21	—	—
125977 2001 YF_{21}	16.9	X	86.75653	141.61267	345.42267	0.93693	0.1335136	0.26913083	2.3758941	21	4 17.2	19.4
125978 2001 YJ_{21}	15.6	X	341.94469	271.60607	75.18720	5.30472	0.1763964	0.23885870	2.5726182	21	9 8.1	17.9
125979 2001 YU_{21}	16.9	X	180.40840	230.99005	39.75294	4.50603	0.1193550	0.30642358	2.1789868	21	—	—
125980 2001 YV_{21}	15.6	X	1.34089	192.26315	52.87442	11.62470	0.1714251	0.22685331	2.6626003	21	5 9.9	18.0
125981 2001 YB_{22}	16.1	X	194.42675	263.27027	267.43295	6.85273	0.1233065	0.24128973	2.5553094	21	10 12.3	20.2
125982 2001 YC_{22}	16.3	X	25.21077	236.04452	10.66024	2.28772	0.0247832	0.23005069	2.6378718	21	6 21.3	19.7
125983 2001 YH_{25}	16.2	X	327.49256	317.93972	334.19876	3.71507	0.1114884	0.27925456	2.3181198	21	5 15.2	18.7
125984 2001 YM_{25}	15.5	X	48.86158	19.19210	270.00717	13.27268	0.1859273	0.24059382	2.5602345	21	10 12.1	19.1
125985 2001 YX_{25}	15.8	X	65.62626	233.23791	68.34649	6.23272	0.1485693	0.24467235	2.5317032	21	11 19.8	19.3
125986 2001 YF_{27}	16.0	X	171.77652	289.73638	274.50646	2.65130	0.0586422	0.24317315	2.5420981	21	11 5.6	19.6
125987 2001 YD_{29}	15.8	X	323.31742	30.63360	283.36383	2.04392	0.0534202	0.23118780	2.6292150	21	6 21.5	19.0
125988 2001 YX_{30}	15.5	X	255.94825	224.98004	80.51253	6.24589	0.0318099	0.21874148	2.7280267	21	3 18.3	19.3
125989 2001 YA_{31}	16.4	X	272.87748	231.47444	69.00572	3.96444	0.0539588	0.27107332	2.3645302	21	3 21.8	19.4
125990 2001 YE_{33}	15.7	X	355.28108	207.04647	295.97048	5.25131	0.0865367	0.25923544	2.4359767	21	—	—
125991 2001 YN_{34}	17.1	X	37.15252	156.00826	328.33905	0.62891	0.1345692	0.26230806	2.4169164	21	1 14.2	19.4
125992 2001 YR_{36}	16.1	X	138.55358	128.22778	41.52308	1.40065	0.1528828	0.28121961	2.3073084	21	8 22.6	19.6
125993 2001 YH_{37}	16.2	X	69.09243	250.97843	288.04023	1.46952	0.1455917	0.27325476	2.3519291	21	6 7.1	18.5
125994 2001 YR_{38}	16.2	X	100.02158	125.87243	41.73686	3.42126	0.1633505	0.27533842	2.3400484	21	7 8.6	19.2
125995 2001 YK_{39}	16.8	X	65.05265	93.97955	44.45905	2.77954	0.1338584	0.26743581	2.3859226	21	3 30.1	19.0
125996 2001 YZ_{40}	16.3	X	235.35900	142.85602	329.34294	1.92347	0.1100078	0.23778678	2.5803438	21	9 16.0	19.8
125997 2001 YH_{42}	16.2	X	126.88145	124.94672	358.10232	2.75118	0.1192355	0.27433668	2.3457414	21	6 2.4	19.4
125998 2001 YR_{44}	15.8	X	224.72468	120.82118	53.33782	6.38750	0.0462312	0.24514229	2.5284666	21	12 2.5	19.0
125999 2001 YF_{45}	15.9	X	203.10969	32.12714	62.37039	6.46161	0.1274425	0.23105912	2.6301911	21	7 18.6	20.0
126000 2001 YS_{45}	16.0	X	275.54831	18.42657	74.57323	4.75358	0.0613201	0.24140656	2.5544849	21	10 24.0	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126001 2001 YE_{46}	15.7	X	303.36710	84.48660	275.70132	7.55620	0.0484444	0.23297105	2.6157812	21	7 25.9	18.9
126002 2001 YL_{46}	16.0	X	186.27611	23.64260	75.07095	7.65705	0.0584731	0.27985274	2.3148153	21	7 7.3	19.0
126003 2001 YY_{46}	16.3	X	241.42811	84.76480	29.20525	3.80352	0.0877089	0.23887499	2.5725013	21	9 30.4	19.8
126004 2001 YB_{48}	16.2	X	28.50645	266.11155	289.53182	1.50171	0.1426338	0.26924043	2.3752493	21	4 13.5	18.3
126005 2001 YT_{49}	16.2	X	355.72555	169.20891	340.86675	2.13571	0.1415194	0.25847877	2.4407284	21	—	—
126006 2001 YS_{50}	15.8	X	149.66969	21.89231	318.04213	2.20637	0.2400420	0.26188293	2.4195313	21	1 7.8	19.2
126007 2001 YM_{51}	15.9	X	145.23053	336.73325	5.64949	1.78981	0.2301952	0.26138287	2.4226163	21	1 5.4	19.4
126008 2001 YN_{51}	15.8	X	191.45495	253.10366	295.08132	3.26001	0.0885216	0.24143471	2.5542864	21	11 4.7	19.5
126009 2001 YQ_{51}	15.8	X	348.51591	73.81313	307.84919	2.33363	0.0355256	0.24188193	2.5511369	21	11 2.3	18.8
126010 2001 YC_{52}	15.6	X	344.09093	49.05796	293.82856	5.92970	0.1164012	0.23685438	2.5871113	21	8 31.6	18.4
126011 2001 YE_{52}	16.7	X	143.76039	148.53484	283.67311	3.80701	0.1059125	0.27072636	2.3665500	21	4 11.2	20.0
126012 2001 YT_{53}	15.8	X	23.51753	245.66615	286.72567	5.50328	0.1300850	0.26503764	2.4002935	21	2 24.9	18.3
126013 2001 YV_{55}	16.5	X	152.19253	164.68248	278.43390	4.97386	0.1306596	0.27363055	2.3497753	21	5 8.4	19.9
126014 2001 YV_{57}	16.4	X	209.61287	253.20109	67.01048	3.29119	0.2054236	0.26682617	2.3895554	21	2 2.5	20.4
126015 2001 YZ_{58}	15.8	X	294.29987	355.42080	35.28255	3.48649	0.0254607	0.23538868	2.5978396	21	8 30.7	19.1
126016 2001 YD_{59}	16.4	X	358.82583	2.87558	302.93157	4.00078	0.1447983	0.28435249	2.2903298	21	8 10.6	18.2
126017 2001 YY_{59}	16.2	X	97.00069	147.02958	358.25466	2.93933	0.1125339	0.27211230	2.3585075	21	5 24.6	19.2
126018 2001 YE_{60}	14.9	X	8.35837	55.12479	283.98310	13.84553	0.1598433	0.24015473	2.5633542	21	10 10.1	18.0
126019 2001 YA_{61}	15.4	X	7.98741	242.68394	88.42417	16.08190	0.1826119	0.23885972	2.5726109	21	10 18.6	18.4
126020 2001 YD_{61}	16.2	X	85.20323	324.66901	38.27460	3.27954	0.1904273	0.25462174	2.4653149	21	—	—
126021 2001 YG_{61}	16.2	X	211.61931	22.31179	0.55152	2.48831	0.2232444	0.27546410	2.3393366	21	4 19.4	20.0
126022 2001 YU_{61}	16.1	X	3.39774	146.09374	83.56290	7.56179	0.0949033	0.27076368	2.3663326	21	4 22.3	18.6
126023 2001 YX_{61}	15.9	X	212.91275	98.91431	83.60166	7.57423	0.1267800	0.24233870	2.5479303	21	11 19.9	19.6
126024 2001 YY_{62}	16.2	X	318.45876	182.01381	63.57056	6.11029	0.0203696	0.26746339	2.3857586	21	3 15.2	19.2
126025 2001 YG_{63}	15.5	X	284.88484	297.31906	84.81043	5.83997	0.0902060	0.23285491	2.6166509	21	7 25.4	18.7
126026 2001 YP_{63}	16.1	X	37.13094	230.46785	277.99039	1.30799	0.1238134	0.26349350	2.4096619	21	2 18.2	18.2
126027 2001 YW_{63}	16.4	X	208.88463	178.78867	293.84605	2.75318	0.0336183	0.28361728	2.2942862	21	8 26.4	19.1
126028 2001 YC_{64}	16.7	X	231.20471	320.57743	61.71727	1.21010	0.2581757	0.27836743	2.3230422	21	5 3.9	20.7
126029 2001 YQ_{64}	16.5	X	237.43279	14.94636	17.06798	2.98880	0.2089493	0.27964652	2.3159531	21	5 24.2	20.2
126030 2001 YM_{65}	15.8	X	117.79740	308.96549	78.73213	7.18249	0.1163764	0.26078958	2.4262891	21	1 14.8	18.8
126031 2001 YH_{66}	15.5	X	246.24311	87.02830	14.52339	2.23465	0.1310261	0.23660538	2.5889260	21	9 13.2	18.9
126032 2001 YP_{66}	16.1	X	224.23116	340.93151	31.66896	3.10704	0.2255276	0.27553834	2.3389163	21	4 17.6	19.8
126033 2001 YG_{67}	15.7	X	336.99592	317.61817	0.87205	2.80366	0.1366793	0.28147433	2.3059162	21	7 14.8	17.7
126034 2001 YL_{67}	16.5	X	234.82358	14.57970	7.27232	2.34714	0.2321001	0.27816906	2.3241465	21	5 7.1	20.1
126035 2001 YY_{67}	15.2	X	181.23303	303.37136	284.88166	11.99878	0.1411618	0.24346533	2.5400639	21	12 11.4	19.3
126036 2001 YX_{68}	16.4	X	138.30490	265.37205	75.18531	4.30101	0.0316994	0.25547358	2.4598317	21	—	—
126037 2001 YA_{69}	15.6	X	87.28896	79.36886	79.22815	5.57947	0.0302418	0.22203561	2.7009775	21	5 20.9	19.1
126038 2001 YK_{69}	16.6	X	53.63864	185.79929	333.32652	0.72067	0.1269105	0.26652576	2.3913506	21	4 7.1	18.7
126039 2001 YS_{69}	16.4	X	96.41878	134.39211	37.17973	2.69857	0.1786059	0.27317571	2.3523828	21	7 11.9	19.5
126040 2001 YW_{69}	16.0	X	57.63811	30.36516	55.32739	3.36422	0.0255233	0.25841331	2.4411406	21	—	—
126041 2001 YQ_{70}	16.5	X	315.25744	172.07274	45.80203	1.99455	0.1330769	0.26032155	2.4291964	21	1 13.8	19.7
126042 2001 YB_{71}	15.1	X	50.58129	327.11609	282.44192	14.31656	0.0956473	0.22848158	2.6499352	21	8 6.7	18.5
126043 2001 YE_{71}	15.4	X	322.15485	66.37528	290.10236	2.26120	0.2468507	0.23618567	2.5919922	21	7 26.5	17.4
126044 2001 YU_{71}	15.3	X	196.41144	286.32853	86.20189	14.08327	0.1921951	0.21995591	2.7179761	21	4 6.3	20.1
126045 2001 YD_{72}	16.4	X	52.27678	14.93168	29.13827	3.49490	0.1800731	0.25389596	2.4700108	21	—	—
126046 2001 YH_{72}	16.6	X	107.19549	62.86426	3.18608	2.35746	0.1709908	0.26403039	2.4063942	21	2 28.5	19.4
126047 2001 YW_{72}	15.9	X	271.94852	11.88320	93.24471	4.97612	0.1179335	0.24045834	2.5611960	21	10 27.1	19.0
126048 2001 YZ_{72}	16.2	X	198.01176	8.05912	81.90923	5.37932	0.0631899	0.22796797	2.6539139	21	7 9.2	20.0
126049 2001 YO_{74}	15.1	X	75.88892	271.14309	281.04479	14.54484	0.1083452	0.22490710	2.6779386	21	7 1.7	18.5
126050 2001 YW_{74}	16.4	X	9.03838	202.40040	61.09821	1.21103	0.0600186	0.27730420	2.3289764	21	6 20.6	18.8
126051 2001 YL_{75}	15.7	X	6.64460	26.25006	19.36980	1.69327	0.0823637	0.19682790	2.9269251	21	12 24.9	19.3
126052 2001 YS_{75}	16.5	X	122.03008	102.42882	301.21049	3.39565	0.0921335	0.26325913	2.4110918	21	2 5.4	19.3
126053 2001 YY_{76}	16.3	X	127.03045	352.34687	71.83098	3.93652	0.1650018	0.26682527	2.3895608	21	3 23.8	19.5
126054 2001 YJ_{77}	16.0	X	343.47852	182.97446	93.31808	7.75595	0.1145618	0.27423167	2.3463402	21	5 23.2	18.3
126055 2001 YD_{78}	17.1	X	167.76179	80.03159	353.60852	2.75800	0.0824487	0.27315731	2.3524884	21	5 10.2	20.3
126056 2001 YK_{79}	16.7	X	161.74238	100.11416	328.95164	2.81241	0.1828505	0.27199887	2.3591632	21	5 3.6	20.4
126057 2001 YR_{79}	16.4	X	86.55022	38.54876	347.54901	2.48919	0.1831359	0.25623606	2.4549494	21	—	—
126058 2001 YX_{79}	15.9	X	267.59969	44.50671	326.94541	0.94662	0.1934517	0.22955777	2.6416466	21	6 1.3	19.8
126059 2001 YG_{80}	16.4	X	94.04062	5.75556	98.67912	3.65906	0.0970966	0.26568412	2.3963982	21	3 24.1	19.2
126060 2001 YL_{80}	15.8	X	221.03245	111.75903	296.32468	1.92487	0.1182341	0.22651354	2.6652622	21	6 6.5	19.7
126061 2001 YX_{80}	16.2	X	74.46453	134.17477	302.89485	2.52371	0.0312077	0.25904312	2.4371822	21	1 7.5	18.9
126062 2001 YE_{81}	16.5	X	172.70920	189.84517	303.95113	0.87950	0.0913019	0.27972792	2.3155038	21	8 8.3	19.7
126063 2001 YH_{81}	14.9	X	161.62835	60.76052	88.94429	2.07982	0.1069092	0.17781857	3.1319728	21	8 13.9	19.9
126064 2001 YJ_{81}	15.5	X	164.74496	249.21081	294.86428	2.43095	0.1243176	0.23400320	2.6080837	21	9 30.4	19.6
126065 2001 YL_{81}	15.9	X	340.98143	312.74953	100.03395	4.26124	0.1441750	0.24406942	2.5358709	21	12 11.9	18.5
126066 2001 YU_{81}	16.0	X	227.31211	50.60872	36.96902	2.32808	0.0377162	0.23106602	2.6301388	21	8 14.3	19.5
126067 2001 YC_{82}	16.1	X	87.76420	62.00920	45.08386	2.90767	0.1458935	0.26510307	2.3998985	21	3 25.3	18.8
126068 2001 YG_{82}	16.0	X	63.33774	68.04766	64.72487	5.54195	0.0620477	0.21429227	2.7656574	21	3 21.4	19.5
126069 2001 YK_{82}	15.9	X	20.34489	70.73675	13.55024	2.88339	0.0282018	0.25247922	2.4792422	21	—	—
126070 2001 YW_{82}	16.3	X	245.04887	58.63888	319.16954	5.10070	0.1910122	0.27757434	2.3274651	21	5 13.2	20.0
126071 2001 YL_{84}	16.2	X	42.83803	105.69961	66.45561	2.29640	0.1237263	0.26568337	2.3964027	21	4 7.7	18.3
126072 2001 YQ_{84}	15.7	X	272.67669	91.13741	282.75081	2.19514	0.2230897	0.23053747	2.6341573	21	6 6.4	19.3
126073 2001 YZ_{84}	15.6	X	275.35494	165.39551	295.79232	9.16715	0.0100284	0.23954411	2.5677085	21	11 5.0	19.1
126074 2001 YE_{85}	15.5	X	156.54335	311.33760	77.54508	5.19045	0.0788096	0.21388065	2.7692047	21	3 9.5	19.5
126075 2001 YC_{86}	15.5	X	245.43024	46.19768	48.37850	2.41487	0.0688388	0.23431035	2.6058039	21	9 12.3	19.1
126076 2001 YV_{86}	15.7	X	10.86128	195.95078	1.30088	1.99001	0.1505366	0.26374656	2.4081203	21	3 11.4	17.7
126077 2001 YX_{86}	15.4	X	88.30774	100.56478	98.68619	11.09960	0.1679040	0.22376020	2.6870814	21	8 7.5	19.2
126078 2001 YL_{87}	15.6	X	344.65804	322.59091	196.39789	5.24626	0.1523472	0.25411091	2.4686177	21	—	—
126079 2001 YZ_{87}	15.8	X	190.81834	195.02456	32.90035	2.76254	0.1361961	0.24390443	2.5370144	21	12 20.8	19.7
126080 2001 YS_{88}	16.3	X	150.57165	327.22438	33.63757	3.55207	0.2162903	0.26223278	2.4173789	21	2 2.1	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126081 2001 YE_{90}	15.8	X	225.62759	202.20651	82.23676	7.60800	0.1191933	0.25747282	2.4470817	21	1 4.0	19.6
126082 2001 YH_{90}	16.0	X	296.09419	275.20156	200.05307	3.73215	0.2734099	0.24300774	2.5432515	21	11 29.4	18.0
126083 2001 YX_{90}	16.2	X	322.67336	326.36782	281.08321	5.50720	0.0692384	0.26683098	2.3895267	21	3 9.5	19.1
126084 2001 YB_{91}	16.8	X	244.07216	63.62031	335.56916	1.16885	0.1982292	0.28025561	2.3125964	21	6 10.7	20.2
126085 2001 YN_{93}	16.8	X	323.42308	291.62914	55.07512	1.34016	0.2036810	0.28360564	2.2943490	21	7 23.1	18.5
126086 2001 YW_{94}	16.1	X	356.80725	166.63087	86.76113	3.41140	0.1877966	0.27119065	2.3638481	21	5 6.2	17.7
126087 2001 YA_{95}	15.4	X	181.33007	134.53465	64.80719	2.04843	0.1334130	0.23857848	2.5746322	21	11 6.2	19.3
126088 2001 YT_{95}	16.0	X	51.34736	358.95261	315.10129	7.15311	0.1733183	0.29072374	2.2567445	21	11 28.5	19.0
126089 2001 YA_{96}	16.6	X	134.72543	79.41905	328.99623	6.44056	0.0985137	0.26482605	2.4015719	21	2 28.5	19.7
126090 2001 YC_{97}	16.6	X	310.94417	232.74760	86.23417	4.93399	0.1922393	0.28260910	2.2997394	21	5 15.9	19.2
126091 2001 YD_{101}	16.8	X	59.93630	348.02304	154.26174	2.42794	0.1371098	0.26624748	2.3930166	21	3 26.8	19.2
126092 2001 YR_{101}	16.2	X	243.33803	233.35180	160.24280	1.50733	0.0959609	0.22896746	2.6461850	21	6 14.7	20.1
126093 2001 YU_{101}	15.5	X	335.51141	284.46047	106.68926	7.25198	0.2364496	0.24312154	2.5424579	21	11 4.9	17.4
126094 2001 YG_{102}	15.5	X	67.39057	246.44636	141.67720	2.74060	0.0819579	0.20363424	2.8613359	21	—	—
126095 2001 YM_{102}	15.6	X	158.30987	18.51904	53.03727	5.94057	0.1133990	0.22178218	2.7030347	21	5 3.7	19.7
126096 2001 YW_{103}	15.8	X	54.48793	197.80555	115.01547	7.23531	0.0339346	0.23965102	2.5669448	21	11 5.7	19.2
126097 2001 YC_{104}	15.3	X	84.39191	92.84748	111.18311	12.40473	0.1418671	0.22562462	2.6722580	21	8 4.6	18.9
126098 2001 YE_{104}	16.1	X	190.06847	315.43293	130.43263	3.06634	0.1780170	0.27769346	2.3267994	21	6 21.9	19.8
126099 2001 YF_{104}	15.7	X	174.04393	280.83795	110.10971	5.05517	0.0801114	0.21768436	2.7368515	21	3 30.7	19.8
126100 2001 YQ_{105}	16.3	X	323.71309	207.91375	193.01500	1.72998	0.0113846	0.23814984	2.5777206	21	10 24.7	19.4
126101 2001 YO_{106}	16.0	X	45.40180	97.25116	130.45219	7.70227	0.0675457	0.27435120	2.3456586	21	6 28.9	18.6
126102 2001 YJ_{107}	16.3	X	72.04008	332.27666	147.86769	1.69220	0.1310946	0.26348996	2.4096835	21	3 15.2	18.8
126103 2001 YT_{107}	15.6	X	250.17737	244.22079	217.48905	3.46408	0.1429397	0.23547827	2.5971806	21	9 14.7	19.1
126104 2001 YB_{108}	15.7	X	262.26645	31.36348	126.29079	14.89860	0.0356207	0.24423125	2.5347506	21	—	—
126105 2001 YK_{108}	16.2	X	2.27991	103.22959	278.44646	10.56172	0.1827240	0.24329321	2.5412617	21	12 11.2	18.9
126106 2001 YC_{109}	16.5	X	237.90445	327.85530	70.00864	7.35533	0.1107597	0.27973138	2.3154847	21	6 10.7	19.7
126107 2001 YZ_{109}	15.6	X	308.56723	337.00821	103.29754	16.23368	0.0962393	0.24130359	2.5552116	21	11 25.7	18.7
126108 2001 YA_{110}	15.5	X	208.32816	241.29952	313.90234	6.43526	0.1203040	0.24054307	2.5605945	21	11 28.8	19.3
126109 2001 YB_{110}	15.4	X	175.47129	106.92790	100.04445	5.37016	0.1655550	0.23663002	2.5887463	21	11 9.6	19.6
126110 2001 YZ_{110}	15.4	X	293.99768	354.26476	352.16335	6.69297	0.1351144	0.27916136	2.3186357	21	6 7.4	18.2
126111 2001 YA_{111}	16.1	X	37.04110	218.66123	11.16259	6.92957	0.0742998	0.27395748	2.3479055	21	6 18.3	18.7
126112 2001 YL_{111}	15.1	X	320.81898	296.34465	90.21491	22.70112	0.1115396	0.23610699	2.5925680	21	10 9.9	18.6
126113 2001 YP_{111}	15.9	X	215.27513	135.36848	2.15875	7.26323	0.0537864	0.28580909	2.2825415	21	10 6.9	18.7
126114 2001 YF_{112}	16.6	X	143.96374	65.79637	357.02250	2.22198	0.1265001	0.26961324	2.3730592	21	4 2.9	19.9
126115 2001 YM_{112}	16.3	X	211.38205	125.88233	275.66118	2.13239	0.2289044	0.27754074	2.3276529	21	5 12.7	20.2
126116 2001 YT_{113}	15.5	X	44.70169	0.97196	279.91022	10.92081	0.1537457	0.23271697	2.6176848	21	9 17.9	19.0
126117 2001 YW_{113}	15.7	X	335.80839	140.66755	293.15360	12.68444	0.1647313	0.24336393	2.5407693	21	—	—
126118 2001 YY_{113}	16.5	X	14.47048	43.32407	155.04182	3.57723	0.1220276	0.26456470	2.4031532	21	3 22.9	18.7
126119 2001 YZ_{113}	15.2	X	61.99829	26.03422	130.42290	3.60848	0.1899824	0.16348187	3.3125034	21	5 11.1	19.4
126120 2001 YA_{115}	15.6	X	135.22894	128.52869	271.64226	24.91219	0.1745267	0.26689646	2.3891358	21	2 14.9	19.6
126121 2001 YB_{115}	15.5	X	209.85800	249.37920	112.59927	7.06267	0.0486693	0.21953646	2.7214369	21	4 3.3	19.5
126122 2001 YP_{115}	16.3	X	198.18365	70.95443	334.29572	5.48555	0.1055391	0.27242146	2.3567228	21	5 5.5	19.9
126123 2001 YR_{115}	15.5	X	71.14772	54.82770	28.96580	4.39496	0.1676608	0.25947307	2.4344892	21	1 26.2	17.7
126124 2001 YO_{116}	16.7	X	53.51405	61.14863	49.28290	2.73996	0.1870118	0.26180696	2.4199994	21	1 29.8	18.5
126125 2001 YF_{118}	15.8	X	139.16650	87.08655	311.07600	4.12799	0.2128040	0.26465150	2.4026277	21	3 6.0	19.4
126126 2001 YK_{119}	14.9	X	325.66908	242.50773	91.20922	16.09607	0.1543966	0.23291077	2.6162325	21	7 12.3	17.7
126127 2001 YZ_{119}	15.8	X	188.33262	213.73372	285.52569	3.65480	0.2601029	0.23035828	2.6355231	21	8 23.5	20.6
126128 2001 YK_{120}	16.5	X	165.27143	298.13022	105.83052	7.81656	0.2136321	0.27153505	2.3618489	21	4 11.7	20.4
126129 2001 YN_{120}	15.5	X	115.84817	52.28564	98.64420	15.51312	0.0361278	0.22542261	2.6738543	21	6 18.7	19.1
126130 2001 YY_{120}	15.4	X	18.61304	179.52476	97.06923	14.12701	0.1498859	0.22621603	2.6675985	21	8 5.2	18.3
126131 2001 YJ_{122}	16.1	X	164.18993	275.86118	319.23617	5.63688	0.1185750	0.29686524	2.2255113	21	12 12.5	19.2
126132 2001 YP_{122}	16.5	X	172.94489	52.28596	319.13421	5.92141	0.1511017	0.26914022	2.3758389	21	2 27.8	20.0
126133 2001 YD_{123}	16.2	X	162.09690	97.64167	347.23722	5.15263	0.1162901	0.27545579	2.3393836	21	5 20.3	19.6
126134 2001 YD_{124}	16.2	X	122.99095	20.64414	38.70467	7.34394	0.1094736	0.26671567	2.3902153	21	3 5.9	19.3
126135 2001 YR_{124}	15.6	X	174.66543	108.74095	36.46073	5.86312	0.0841713	0.28379024	2.2933539	21	8 29.7	18.8
126136 2001 YC_{126}	16.4	X	291.19941	7.39682	31.40896	4.39285	0.1534841	0.28749642	2.2736019	21	8 22.8	18.7
126137 2001 YJ_{126}	15.2	X	328.85781	259.62946	50.22500	10.77005	0.1525495	0.22971628	2.6404313	21	6 11.2	18.1
126138 2001 YK_{126}	16.1	X	212.10353	126.03532	316.31218	4.57030	0.2046446	0.23075981	2.6324649	21	7 7.2	20.4
126139 2001 YD_{128}	15.9	X	190.63703	60.53818	61.51623	13.18432	0.1193680	0.23247531	2.6194986	21	8 15.1	20.2
126140 2001 YG_{128}	15.8	X	27.75290	7.33073	319.03395	7.33213	0.1862970	0.29284212	2.2458480	21	11 14.6	18.3
126141 2001 YP_{128}	15.3	X	344.86930	0.35721	333.21203	6.61907	0.1770445	0.23687129	2.5869881	21	8 21.2	17.6
126142 2001 YK_{129}	15.2	X	311.95016	258.16456	77.06308	12.59739	0.0782001	0.22927449	2.6438221	21	6 30.7	18.5
126143 2001 YZ_{129}	15.8	X	296.74411	57.60332	1.76332	3.94558	0.1153509	0.23887967	2.5724676	21	9 30.1	18.7
126144 2001 YB_{130}	16.1	X	258.71391	123.19277	28.43537	4.73170	0.0672457	0.29518163	2.2339657	21	12 28.2	18.5
126145 2001 YH_{132}	16.1	X	6.76283	322.61894	356.04177	5.16514	0.1387589	0.28578549	2.2826672	21	9 19.1	18.0
126146 2001 YU_{132}	15.8	X	169.57866	1.18748	27.50189	7.05193	0.1146650	0.27031869	2.3689287	21	3 19.0	19.1
126147 2001 YD_{134}	16.9	X	13.13451	17.88975	345.42508	3.47192	0.1445045	0.29603227	2.2296842	21	12 10.9	19.2
126148 2001 YV_{134}	15.1	X	39.10594	227.90207	109.83788	18.65539	0.2519510	0.24465973	2.5317902	21	12 19.9	18.6
126149 2001 YN_{135}	15.7	X	260.72647	321.88927	88.19915	22.66813	0.0227737	0.23400373	2.6080797	21	8 14.1	19.6
126150 2001 YZ_{136}	15.7	X	35.44126	244.09454	318.74654	7.72465	0.1536150	0.27173393	2.3606964	21	5 8.2	17.9
126151 2001 YZ_{137}	14.9	X	265.75952	29.90675	339.52706	14.65567	0.2089737	0.22896531	2.6462015	21	5 21.5	19.2
126152 2001 YO_{138}	16.0	X	247.57338	60.08172	112.22545	14.62680	0.0131553	0.24510472	2.5287250	21	—	—
126153 2001 YN_{139}	15.7	X	337.48575	283.85410	299.82694	3.82419	0.1978872	0.26246037	2.4159812	21	2 9.3	18.3
126154 2001 YH_{140}	5.3	X	29.28098	353.66889	108.91123	11.09984	0.1359290	0.00361428	42.0521681	21	2 10.4	21.0
126155 2001 YJ_{140}	7.3	X	19.53831	128.76074	319.40438	5.99422	0.2892081	0.00401916	39.1783529	21	1 23.5	21.9
126156 2001 YE_{149}	15.3	X	154.32709	342.09038	354.82909	6.96910	0.1379028	0.26028277	2.4294377	21	—	—
126157 2001 YG_{150}	15.4	X	60.61329	250.25028	31.22939	6.26222	0.2157372	0.24111651	2.5565331	21	10 27.2	18.8
126158 2001 YN_{152}	16.2	X	116.70025	52.70066	12.27355	7.12448	0.1110259	0.26509327	2.3999577	21	3 4.2	19.2
126159 2001 YD_{157}	14.8	X	210.10558	130.78461	312.01832	21.34694	0.0438494	0.22361597	2.6882367	21	7 18.5	18.7
126160 Fabienkuntz	15.7	X	150.12670	135.69415	291.60854	4.98368	0.0628476	0.21795222	2.7346086	21	4 12.3	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126161 2002 AK	16.4	X	161.30429	59.07601	25.44984	2.41862	0.0829998	0.27206312	2.3587917	21	5 18.1	19.5
126162 2002 AY	15.9	X	57.51487	54.83409	76.42582	4.56110	0.1439465	0.26038379	2.4288093	21	3 9.7	18.2
126163 2002 AM_{1}	15.7	X	112.41714	211.57674	168.64852	5.62652	0.3040374	0.26051079	2.4280199	21	1 25.2	18.8
126164 2002 AO_{1}	16.4	X	92.26880	13.67715	113.90529	2.42025	0.1292787	0.26693344	2.3889151	21	4 27.5	19.1
126165 2002 AX_{3}	15.7	X	55.97590	49.96416	89.01509	2.79916	0.1477972	0.26225583	2.4172373	21	3 17.3	17.9
126166 2002 AM_{4}	14.8	X	250.89290	159.82061	276.26230	32.81588	0.1897821	0.23137639	2.6277861	21	7 26.2	19.1
126167 2002 AL_{5}	15.4	X	92.66584	101.16193	319.46139	12.26524	0.1875148	0.25966388	2.4332965	21	2 2.8	18.0
126168 2002 AF_{6}	16.0	X	225.00261	59.75714	272.47486	2.61597	0.0978740	0.21401794	2.7680203	21	3 7.9	20.1
126169 2002 AR_{7}	15.3	X	271.63968	76.88264	104.13795	12.52487	0.1051065	0.25443385	2.4665284	21	—	—
126170 2002 AV_{7}	16.1	X	264.33052	41.32101	34.82828	2.24052	0.1052287	0.23640095	2.5904183	21	9 6.9	19.4
126171 2002 AU_{8}	15.8	X	215.55803	128.34205	342.65050	6.86866	0.1388373	0.22775681	2.6555540	21	8 20.9	19.9
126172 2002 AZ_{8}	16.6	X	58.25512	257.77120	108.57215	3.75670	0.0731275	0.24509757	2.5287742	21	—	—
126173 2002 AH_{9}	15.8	X	298.65532	80.11458	242.05526	2.68333	0.0833576	0.21925346	2.7237783	21	5 23.4	19.4
126174 2002 AA_{10}	15.7	X	276.90329	143.46146	325.61370	2.74339	0.1837579	0.23966676	2.5668324	21	10 25.9	18.6
126175 2002 AN_{10}	15.5	X	67.23075	205.62369	251.22106	1.41340	0.1733580	0.25995451	2.4314825	21	2 5.1	17.5
126176 2002 AQ_{10}	15.6	X	194.46824	157.89096	187.94043	2.51417	0.2155944	0.26554017	2.3972642	21	2 19.8	19.6
126177 2002 AP_{12}	15.5	X	5.31594	40.04953	131.34318	9.78121	0.1547127	0.25805208	2.4434182	21	1 21.7	17.9
126178 2002 AW_{13}	15.8	X	321.26561	322.21558	112.57727	1.71649	0.1631105	0.24291378	2.5439073	21	12 4.9	18.0
126179 2002 AY_{13}	16.0	X	188.80555	165.36754	308.88847	2.41623	0.1013489	0.22788281	2.6545750	21	7 29.3	19.9
126180 2002 AC_{14}	15.0	X	43.88526	153.73315	123.57326	14.95431	0.1608983	0.22494972	2.6776003	21	9 24.8	18.6
126181 2002 AB_{16}	15.0	X	3.20491	183.69736	49.03464	5.03317	0.2279572	0.21445805	2.7642319	21	4 23.5	17.4
126182 2002 AC_{18}	15.3	X	278.01655	344.24234	141.81600	9.73758	0.1575520	0.23898884	2.5716842	21	11 28.1	18.4
126183 2002 AS_{18}	15.4	X	27.52600	275.20649	175.33047	6.98770	0.1866108	0.25386445	2.4702152	21	—	—
126184 2002 AS_{19}	15.7	X	273.85769	8.85233	58.66727	5.42758	0.0657262	0.23591732	2.5939574	21	9 16.8	19.0
126185 2002 AH_{20}	15.4	X	176.55437	86.70772	44.86195	8.30095	0.1225758	0.22897479	2.6461285	21	8 10.9	19.6
126186 2002 AU_{20}	15.5	X	119.62831	56.04161	103.76520	12.46279	0.0166490	0.22592240	2.6699093	21	7 2.5	19.1
126187 2002 AA_{21}	14.8	X	293.35971	86.99022	287.22866	20.98217	0.2145105	0.28648670	2.2789410	21	7 5.9	17.0
126188 2002 AK_{21}	14.5	X	159.55783	342.93694	117.74130	24.36346	0.2269848	0.27466388	2.3438781	21	6 18.4	18.7
126189 2002 AH_{22}	16.7	X	191.15656	56.00747	2.57512	2.08307	0.1009114	0.27192415	2.3595953	21	5 17.5	20.0
126190 2002 AK_{22}	15.6	X	346.15762	129.54575	44.15783	8.22804	0.1616770	0.25404460	2.4690473	21	—	—
126191 2002 AN_{23}	16.6	X	197.22023	47.67770	337.24228	4.47409	0.1575362	0.26979312	2.3720043	21	4 8.9	20.3
126192 2002 AR_{23}	15.8	X	302.97467	307.77608	136.25441	7.68984	0.0877095	0.24154022	2.5535424	21	11 20.2	18.8
126193 2002 AG_{26}	16.4	X	349.73270	69.09362	314.97937	9.28563	0.1228898	0.23961130	2.5672285	21	11 10.0	19.4
126194 2002 AL_{30}	16.3	X	279.06343	166.24731	124.72941	3.54597	0.0851926	0.26698510	2.3886070	21	3 12.4	19.4
126195 2002 AQ_{32}	15.7	X	237.74457	278.59314	160.11120	4.22604	0.1397203	0.23046655	2.6346976	21	8 1.3	19.6
126196 2002 AO_{33}	16.3	X	239.65562	292.14398	65.04635	3.59697	0.2184890	0.27216917	2.3581789	21	4 13.0	20.1
126197 2002 AC_{36}	16.3	X	72.15178	305.96748	223.72468	1.48529	0.1434253	0.27299447	2.3534238	21	5 28.9	18.7
126198 2002 AG_{36}	16.2	X	24.24732	185.30473	82.63417	6.31730	0.0386326	0.28244705	2.3006189	21	7 23.2	18.8
126199 2002 AB_{37}	15.9	X	295.10556	258.51647	152.45052	3.64273	0.1097216	0.23816993	2.5775757	21	9 17.1	18.8
126200 2002 AQ_{37}	15.8	X	193.32013	32.89871	145.99909	4.18249	0.1756132	0.23990514	2.5651318	21	10 22.4	20.0
126201 2002 AP_{38}	16.0	X	326.86535	138.65864	212.53570	1.63022	0.0673717	0.23315126	2.6144331	21	8 17.4	19.0
126202 2002 AD_{39}	15.8	X	1.35663	35.23753	167.35880	5.42141	0.1337964	0.26289258	2.4133325	21	3 2.4	18.1
126203 2002 AL_{40}	16.4	X	356.50378	321.48123	196.10335	2.02711	0.1365324	0.25626592	2.4547587	21	—	—
126204 2002 AO_{40}	15.3	X	186.10786	219.80527	295.42600	12.19796	0.1938668	0.23172189	2.6251734	21	9 7.7	19.9
126205 2002 AQ_{40}	16.7	X	154.51596	206.27715	245.23976	1.07171	0.1849761	0.27199819	2.3591671	21	5 27.3	20.2
126206 2002 AU_{40}	15.7	X	245.55303	325.63808	149.43913	4.03303	0.1392202	0.23614149	2.5923155	21	9 29.8	19.3
126207 2002 AS_{41}	15.7	X	3.84552	300.95222	245.35347	1.51117	0.0407419	0.21347110	2.7727453	21	3 1.5	19.2
126208 2002 AK_{42}	16.4	X	325.65849	46.22240	166.23226	2.78796	0.1409247	0.26041467	2.4286173	21	1 17.9	19.3
126209 2002 AQ_{42}	15.7	X	354.51971	16.57479	141.54294	9.46207	0.1167676	0.25591721	2.4569881	21	—	—
126210 2002 AV_{42}	16.4	X	234.11369	97.88788	257.32362	2.17912	0.0834647	0.27128015	2.3633282	21	4 10.9	19.7
126211 2002 AD_{43}	16.4	X	286.45944	85.91391	138.76763	4.12796	0.0754727	0.25768482	2.4457393	21	—	—
126212 2002 AY_{43}	15.7	X	45.34036	328.59603	273.49611	7.15323	0.0217951	0.22693037	2.6619974	21	7 13.1	19.2
126213 2002 AC_{44}	16.3	X	137.39110	70.60439	288.50318	3.95150	0.2060635	0.25980210	2.4324334	21	1 14.9	19.7
126214 2002 AW_{45}	16.1	X	39.69362	249.69945	119.59966	14.71588	0.0704426	0.24517634	2.5282325	21	—	—
126215 2002 AR_{46}	16.3	X	185.05497	302.01638	131.46946	6.38496	0.0428274	0.22317142	2.6918054	21	6 3.1	20.2
126216 2002 AU_{46}	15.7	X	345.48742	331.93835	284.59205	3.28056	0.0554581	0.21977277	2.7194858	21	5 5.2	19.2
126217 2002 AH_{47}	17.3	X	156.36236	210.89761	248.02726	1.46797	0.1621987	0.27348480	2.3506101	21	6 6.5	20.7
126218 2002 AC_{48}	15.5	X	150.92580	95.72651	122.83686	8.06275	0.0865268	0.23673524	2.5879792	21	11 3.5	19.5
126219 2002 AR_{48}	15.4	X	118.42369	47.59720	279.20669	1.09420	0.0742837	0.19841981	2.9112490	21	—	—
126220 2002 AS_{48}	15.8	X	231.83825	93.86843	271.27273	4.82592	0.0382718	0.21986360	2.7187367	21	4 28.9	19.6
126221 2002 AD_{49}	15.9	X	117.16855	22.10328	125.29999	3.42352	0.0395550	0.22275590	2.6951519	21	6 15.7	19.5
126222 2002 AQ_{49}	16.0	X	77.68593	191.89154	245.04782	0.45419	0.1587447	0.25982558	2.4322868	21	1 25.5	18.4
126223 2002 AR_{49}	15.6	X	115.68002	343.13414	297.20571	13.63532	0.0793789	0.24097758	2.5575156	21	12 9.9	19.5
126224 2002 AQ_{50}	16.7	X	163.90942	250.75818	134.27599	4.09203	0.2436942	0.26668325	2.3904090	21	3 17.7	20.5
126225 2002 AR_{51}	16.0	X	24.85004	250.65676	123.43468	15.34286	0.1691500	0.24411982	2.5355219	21	—	—
126226 2002 AU_{51}	16.1	X	182.10190	259.81241	146.60544	2.37761	0.2174095	0.27156610	2.3616689	21	4 26.4	19.9
126227 2002 AB_{52}	15.8	X	226.64399	352.98158	129.44608	5.49365	0.0714697	0.23419671	2.6066468	21	9 26.3	19.4
126228 2002 AO_{53}	16.1	X	164.53343	312.64703	136.06213	12.52026	0.1257895	0.22174067	2.7033720	21	6 3.8	20.5
126229 2002 AF_{55}	16.7	X	221.71288	250.42636	150.61708	3.45274	0.2538795	0.27767532	2.3269008	21	5 21.1	20.6
126230 2002 AV_{55}	15.7	X	126.06908	302.36476	108.02219	5.49754	0.0682552	0.21165953	2.7885439	21	2 27.2	19.5
126231 2002 AY_{55}	15.7	X	91.84061	109.61757	281.58024	0.94547	0.0819322	0.20408316	2.8571383	21	—	—
126232 2002 AK_{56}	15.6	X	78.42323	315.60648	293.40702	13.78256	0.0846832	0.22953439	2.6418260	21	9 9.2	19.5
126233 2002 AC_{58}	16.0	X	356.13844	122.46826	300.02865	1.90310	0.1990145	0.24639796	2.5198691	21	—	—
126234 2002 AQ_{58}	15.4	X	66.41371	5.56106	305.03888	13.86593	0.0250366	0.23751357	2.5823222	21	11 8.8	19.2
126235 2002 AY_{58}	15.9	X	77.19598	295.70586	206.95516	1.82283	0.1166198	0.26564349	2.3966425	21	4 22.9	18.5
126236 2002 AC_{59}	15.9	X	309.96528	173.26713	295.88352	8.17661	0.1632011	0.24449176	2.5329497	21	—	—
126237 2002 AS_{59}	15.0	X	22.27029	58.63896	136.96573	13.40184	0.2406267	0.21161098	2.7889705	21	4 20.6	17.6
126238 2002 AJ_{60}	16.8	X	150.96643	123.91340	281.99609	1.65703	0.2023829	0.26639364	2.3921412	21	3 26.7	20.6
126239 2002 AT_{60}	16.1	X	105.70819	318.95382	135.65046	4.13738	0.1049650	0.26437888	2.4042791	21	3 28.3	19.0
126240 2002 AY_{61}	15.1	X	317.62101	4.51223	315.26124	12.61653	0.1893783	0.22191165	2.7019832	21	5 30.5	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126241 2002 AL_{62}	15.4	X	95.80521	324.09983	138.02556	9.60049	0.2301599	0.21333557	2.7739196	21	4 21.8	19.3
126242 2002 AX_{62}	15.6	X	225.98034	229.77473	303.64827	11.01854	0.2390436	0.23781500	2.5801397	21	11 3.6	19.8
126243 2002 AB_{64}	15.2	X	107.35710	340.11217	152.25541	13.35934	0.2189761	0.21667713	2.7453265	21	6 9.3	19.6
126244 2002 AQ_{66}	15.9	X	286.06802	286.03211	178.85543	4.79461	0.2873549	0.23989806	2.5651822	21	10 20.4	18.5
126245 Kandókálmán	16.8	X	172.58662	127.47809	140.99895	3.32106	0.2046911	0.29528219	2.2334585	21	—	—
126246 2002 AB_{67}	15.4	X	179.02058	249.74515	93.08053	6.71646	0.0423175	0.21033890	2.8002039	21	2 2.3	19.4
126247 2002 AL_{67}	16.2	X	174.55063	207.57090	109.48189	9.67883	0.0744554	0.25662294	2.4524815	21	—	—
126248 2002 AO_{67}	16.1	X	209.10910	258.22289	84.71380	3.75744	0.1754302	0.26711394	2.3878388	21	3 2.0	19.9
126249 2002 AP_{67}	16.4	X	107.10880	59.49427	302.17707	1.37233	0.2281212	0.25641879	2.4537830	21	—	—
126250 2002 AS_{69}	15.8	X	236.71632	129.99915	289.04597	7.35366	0.1050045	0.28368752	2.2939075	21	7 10.0	18.8
126251 2002 AA_{70}	15.5	X	201.16823	51.82054	288.20563	8.04987	0.2457521	0.27074693	2.3664301	21	2 16.3	19.6
126252 2002 AF_{70}	15.5	X	90.02931	237.54457	76.58907	13.69140	0.1145160	0.24807949	2.5084694	21	12 27.9	19.2
126253 2002 AG_{70}	16.0	X	297.53925	356.77297	66.81893	3.17825	0.0586587	0.24090268	2.5580457	21	10 15.9	19.0
126254 2002 AO_{71}	15.8	X	209.20145	46.57935	70.75777	3.30294	0.1606713	0.23292989	2.6160893	21	8 21.7	19.9
126255 2002 AR_{71}	14.7	X	55.99670	243.79564	97.71125	14.24207	0.1343425	0.24600156	2.5225753	21	12 27.2	18.1
126256 2002 AD_{72}	15.8	X	320.40359	139.58957	56.14872	2.65250	0.0423185	0.26001537	2.4311031	21	1 4.8	19.0
126257 2002 AT_{72}	16.8	X	131.47836	172.49407	320.45265	4.29588	0.1129965	0.27495956	2.3421974	21	6 21.7	20.1
126258 2002 AS_{73}	16.2	X	258.68596	21.58651	82.77439	1.71830	0.0238758	0.23858695	2.5745713	21	10 19.9	19.5
126259 2002 AE_{76}	15.3	X	346.64625	157.25791	92.32015	6.26863	0.1118507	0.21909379	2.7251014	21	4 26.3	18.5
126260 2002 AM_{77}	16.7	X	232.72722	283.32000	96.20938	3.83072	0.2112461	0.27651930	2.3333815	21	5 5.5	20.5
126261 2002 AL_{78}	15.8	X	273.78100	237.87862	73.59822	6.19149	0.0451327	0.21883209	2.7272736	21	4 14.6	19.6
126262 2002 AU_{80}	15.9	X	71.96402	316.13334	147.95492	6.60896	0.0864402	0.26571653	2.3962034	21	2 13.1	18.5
126263 2002 AH_{81}	15.8	X	220.78992	286.78212	150.49965	6.55257	0.0803809	0.28174901	2.3044172	21	7 17.9	18.8
126264 2002 AQ_{81}	15.7	X	111.30309	342.42582	124.85284	10.15838	0.1481543	0.26960221	2.3731239	21	5 1.6	19.0
126265 2002 AN_{82}	16.1	X	103.90959	295.49293	181.48274	3.77151	0.1326581	0.26964420	2.3728776	21	4 29.1	18.9
126266 2002 AF_{84}	16.2	X	340.19295	324.69771	214.01576	4.35994	0.0797905	0.25865486	2.4396206	21	1 2.8	19.2
126267 2002 AN_{86}	15.8	X	160.71724	292.04221	146.09971	6.99078	0.1123380	0.27148268	2.3621527	21	5 13.6	19.3
126268 2002 AT_{87}	16.2	X	114.24601	297.09812	171.13736	5.17052	0.0863165	0.26772920	2.3841792	21	4 24.4	19.2
126269 2002 AO_{89}	16.0	X	206.49767	247.33178	144.99309	5.75417	0.0788733	0.22180457	2.7028528	21	5 5.9	20.1
126270 2002 AT_{89}	15.8	X	339.38329	173.64382	275.04154	5.53144	0.2070697	0.24647674	2.5193321	21	—	—
126271 2002 AD_{90}	15.2	X	135.83946	292.76996	284.16907	11.60251	0.1474113	0.23085536	2.6317386	21	10 8.9	19.7
126272 2002 AM_{90}	16.0	X	289.06406	216.20063	210.23701	4.18075	0.1574375	0.23595288	2.5936968	21	9 19.6	19.0
126273 2002 AD_{94}	15.8	X	54.60244	133.75617	37.24397	3.86024	0.1281691	0.21694131	2.7430973	21	5 3.2	19.0
126274 2002 AA_{95}	15.8	X	1.16214	147.53621	87.43310	6.19451	0.1055985	0.21828290	2.7318462	21	4 30.9	18.9
126275 2002 AJ_{96}	16.1	X	42.96588	240.02016	106.02819	9.81766	0.2223747	0.24414975	2.5353146	21	12 29.2	19.6
126276 2002 AK_{96}	16.1	X	136.69374	359.35517	93.39342	4.30300	0.0550807	0.21904732	2.7254868	21	5 2.3	19.9
126277 2002 AR_{96}	15.2	X	201.34535	238.45109	107.85542	19.20538	0.1263438	0.21412104	2.7671316	21	3 9.3	19.9
126278 2002 AF_{97}	16.4	X	2.26657	21.64936	346.88838	2.19216	0.1686381	0.24101162	2.5572748	21	11 19.1	19.0
126279 2002 AU_{97}	16.0	X	118.45617	168.23307	333.86209	3.92697	0.0920329	0.27286959	2.3541419	21	6 15.6	19.0
126280 2002 AD_{98}	16.3	X	161.52150	254.04055	94.40665	4.24290	0.0886220	0.25889522	2.4381103	21	1 14.6	19.7
126281 2002 AN_{100}	16.2	X	110.55927	82.17677	323.70639	7.02682	0.0339108	0.25857300	2.4401354	21	1 17.5	19.1
126282 2002 AR_{100}	17.0	X	220.97672	47.39191	343.94409	4.22900	0.2364468	0.27542192	2.3395754	21	5 6.5	20.9
126283 2002 AG_{102}	16.5	X	265.54191	317.29657	89.89216	2.92646	0.1283532	0.23181806	2.6244474	21	7 26.6	19.9
126284 2002 AX_{102}	16.4	X	38.26005	158.45502	42.02751	3.26212	0.1398292	0.26755900	2.3851902	21	5 12.9	18.5
126285 2002 AZ_{103}	15.2	X	254.51095	306.97884	115.39243	10.61805	0.0689311	0.18047167	3.1012018	21	8 9.0	19.6
126286 2002 AC_{104}	16.1	X	335.45586	100.65531	325.99281	0.78336	0.1268444	0.24446273	2.5331502	21	12 20.0	18.7
126287 2002 AG_{104}	15.9	X	14.61896	281.05300	105.68029	4.24012	0.0062279	0.24284135	2.5444131	21	12 13.4	19.1
126288 2002 AO_{104}	15.7	X	115.84207	268.00777	313.72733	2.78005	0.1349606	0.23134379	2.6280330	21	9 29.4	19.7
126289 2002 AY_{104}	15.8	X	6.20372	139.61602	104.16258	4.24967	0.0320781	0.22083812	2.7107326	21	5 21.8	19.2
126290 2002 AZ_{105}	16.5	X	199.97482	118.95087	336.17313	1.68830	0.1855469	0.22831767	2.6512033	21	7 13.1	20.9
126291 2002 AY_{106}	15.3	X	177.60989	139.95717	104.71874	5.68539	0.2105078	0.24164019	2.5528381	21	12 23.1	19.4
126292 2002 AB_{107}	16.1	X	189.83412	93.93531	349.91803	2.04569	0.1858823	0.27644173	2.3338180	21	6 18.9	19.8
126293 2002 AY_{107}	16.1	X	304.92815	88.58276	307.50646	5.88329	0.1179822	0.23496251	2.6009799	21	9 7.4	19.1
126294 2002 AR_{108}	16.2	X	74.78593	8.46978	23.72158	2.02819	0.1745827	0.25386475	2.4702132	21	—	—
126295 2002 AO_{109}	16.3	X	10.55364	301.80037	291.55909	1.85990	0.1606625	0.26755320	2.3852246	21	5 5.6	18.3
126296 2002 AH_{110}	16.0	X	358.37989	126.46929	77.49554	2.29584	0.1474894	0.26178218	2.4201521	21	2 27.1	18.2
126297 2002 AZ_{110}	15.5	X	190.10312	134.91203	105.94846	8.60747	0.1185587	0.24364472	2.5388169	21	—	—
126298 2002 AD_{111}	16.1	X	226.37565	64.71599	319.56885	7.27671	0.1360532	0.27315881	2.3524798	21	5 5.8	19.9
126299 2002 AZ_{114}	15.5	X	285.41074	120.25668	86.33171	3.16417	0.1070894	0.20193993	2.8773183	21	—	—
126300 2002 AL_{116}	15.9	X	303.52411	117.28805	297.77792	2.59551	0.2098005	0.23800757	2.5787478	21	9 20.9	18.5
126301 2002 AT_{116}	16.8	X	52.71366	330.71206	123.96291	0.46419	0.1713332	0.25729048	2.4482376	21	1 3.3	18.8
126302 2002 AO_{118}	15.8	X	213.34676	358.16304	116.57980	2.18208	0.1176121	0.22974242	2.6402310	21	8 24.9	19.6
126303 2002 AG_{119}	15.4	X	165.95183	191.92993	328.69391	14.35484	0.0703912	0.22828718	2.6514394	21	8 31.9	19.4
126304 2002 AX_{119}	15.7	X	216.60973	140.56511	308.26207	11.93865	0.1415700	0.22871771	2.6481110	21	7 23.9	19.8
126305 2002 AQ_{120}	15.6	X	26.47030	246.85146	322.78327	3.71790	0.1107974	0.21579097	2.7528373	21	5 6.1	18.7
126306 2002 AR_{120}	15.3	X	218.50623	3.09186	102.93328	2.77106	0.1102924	0.17879192	3.1205953	21	8 17.6	20.0
126307 2002 AY_{120}	14.5	X	283.45337	254.37474	319.89482	11.93021	0.2649952	0.19959689	2.8997921	21	—	—
126308 2002 AA_{121}	15.4	X	282.17476	32.03847	107.98491	8.12084	0.1254887	0.24373970	2.5381573	21	12 27.4	18.1
126309 2002 AW_{121}	16.5	X	18.63456	156.34588	28.96102	2.18829	0.1269846	0.26202675	2.4186459	21	3 11.5	18.7
126310 2002 AJ_{123}	16.2	X	116.63748	29.80208	45.45360	2.64519	0.1754176	0.26388619	2.4072708	21	3 26.6	19.4
126311 2002 AT_{123}	16.4	X	123.53327	120.84316	324.38686	1.73068	0.1799485	0.26631996	2.3925824	21	4 15.7	19.8
126312 2002 AZ_{124}	15.7	X	135.97184	119.49951	145.28314	2.77438	0.0439189	0.23878112	2.5731754	21	12 11.7	19.4
126313 2002 AN_{125}	15.3	X	159.10917	191.83070	346.89703	11.54859	0.1247458	0.22796040	2.6539727	21	9 17.8	19.4
126314 2002 AG_{126}	16.0	X	18.68654	57.57721	303.21123	14.13025	0.1242595	0.24115603	2.5562538	21	11 28.4	19.3
126315 Bláthy	15.8	X	100.14986	310.15744	302.63392	13.10005	0.0532477	0.23373623	2.6100692	21	10 7.6	19.8
126316 2002 AB_{131}	15.3	X	237.08524	325.07669	112.85411	22.76407	0.0316632	0.22898577	2.6460440	21	8 16.2	19.1
126317 2002 AL_{133}	16.5	X	98.00763	354.83688	119.01300	6.62365	0.0549645	0.27061051	2.3672254	21	4 6.1	19.4
126318 2002 AE_{135}	16.6	X	52.80049	22.22834	135.89454	1.74457	0.1179677	0.26666853	2.3904970	21	4 4.3	19.0
126319 2002 AW_{138}	15.9	X	50.41674	112.49165	76.65941	4.40166	0.1288690	0.21694409	2.7430739	21	5 22.6	19.1
126320 2002 AP_{140}	16.2	X	38.79236	139.99965	97.03203	4.08966	0.1059613	0.27722670	2.3294104	21	7 7.2	18.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126321 2002 AX_{140}	16.3	X	72.24875	29.72307	186.99162	2.02229	0.1532363	0.27634976	2.3343357	21	8 8.1	19.0
126322 2002 AX_{143}	16.7	X	289.48317	234.58294	122.64192	5.70283	0.2649108	0.28146296	2.3059783	21	5 28.3	19.6
126323 2002 AD_{145}	15.7	X	71.54345	177.47308	283.45725	2.40780	0.0560364	0.21039939	2.7996671	21	2 15.9	19.2
126324 2002 AK_{145}	16.1	X	347.43679	67.41516	174.07727	3.30616	0.0469687	0.21859015	2.7292857	21	4 20.5	19.5
126325 2002 AG_{146}	16.6	X	308.14226	207.12371	118.51275	5.76827	0.1301977	0.27657191	2.3330856	21	6 1.9	19.2
126326 2002 AK_{148}	15.7	X	27.42322	159.95420	2.14326	1.08247	0.1354255	0.26069047	2.4269041	21	2 21.1	17.9
126327 2002 AR_{149}	16.7	X	121.74029	37.82869	343.61662	2.33240	0.2167567	0.26041090	2.4286407	21	1 27.0	19.6
126328 2002 AX_{149}	16.7	X	61.84414	168.80239	339.44875	3.11809	0.0701778	0.26585175	2.3953908	21	3 29.2	19.2
126329 2002 AD_{150}	16.6	X	27.38562	142.34956	308.06662	5.18076	0.0796283	0.25387695	2.4701341	21	—	—
126330 2002 AG_{150}	16.3	X	336.58919	102.75487	338.74861	1.78909	0.0861371	0.24581136	2.5238764	21	—	—
126331 2002 AJ_{151}	15.6	X	208.52524	60.56880	3.94937	1.78918	0.0662033	0.22317247	2.6917970	21	6 17.4	19.4
126332 2002 AB_{152}	15.3	X	303.47290	332.26892	325.43741	5.88355	0.1422099	0.26720829	2.3872767	21	4 9.5	18.3
126333 2002 AQ_{152}	15.5	X	177.29906	118.03583	134.86582	16.99013	0.2256465	0.24012798	2.5635446	21	12 31.9	20.0
126334 2002 AW_{152}	15.8	X	269.71534	38.38180	118.24748	5.52605	0.0504542	0.24319094	2.5419741	21	—	—
126335 2002 AP_{153}	15.9	X	330.58575	214.70242	335.57802	2.25982	0.1227753	0.25487576	2.4636766	21	—	—
126336 2002 AX_{153}	15.9	X	273.41623	290.44265	131.30188	4.82537	0.2138288	0.23338568	2.6126821	21	8 12.6	19.4
126337 2002 AE_{154}	15.7	X	146.99730	168.58586	317.23669	2.03463	0.1189949	0.22183922	2.7025713	21	6 30.6	19.8
126338 2002 AJ_{154}	15.8	X	272.23373	116.60626	326.84321	5.23506	0.3452266	0.23666838	2.5884665	21	8 20.4	19.4
126339 2002 AP_{154}	15.7	X	13.40886	104.46339	24.99207	1.81585	0.1346914	0.25409594	2.4687147	21	—	—
126340 2002 AU_{157}	16.1	X	286.93695	172.60242	242.21036	1.74532	0.1923626	0.23500736	2.6006490	21	8 25.0	19.0
126341 2002 AH_{160}	16.3	X	71.86144	356.71964	177.35516	2.27610	0.1265714	0.26806282	2.3822006	21	6 1.7	18.9
126342 2002 AU_{161}	16.3	X	342.65920	54.08414	198.20935	1.49867	0.1674448	0.26521916	2.3991982	21	4 6.2	18.3
126343 2002 AW_{161}	16.7	X	338.04984	139.46970	300.92651	6.21363	0.1802741	0.24520998	2.5280013	21	—	—
126344 2002 AJ_{162}	15.7	X	69.93369	18.52879	308.77930	11.46052	0.0762725	0.23993331	2.5649310	21	12 17.1	19.4
126345 2002 AO_{162}	15.9	X	348.22303	49.32662	143.41630	6.41530	0.0765878	0.25875737	2.4389762	21	2 3.1	18.8
126346 2002 AO_{163}	16.2	X	39.40889	276.33520	236.26195	0.85867	0.1372800	0.26077045	2.4264078	21	3 1.9	18.4
126347 2002 AX_{163}	15.8	X	95.52578	44.77187	149.17102	7.39010	0.1251900	0.27325458	2.3519301	21	8 2.5	19.0
126348 2002 AK_{165}	16.0	X	188.15266	218.18362	196.57296	1.28395	0.0515587	0.21890167	2.7266957	21	5 12.6	19.9
126349 2002 AU_{166}	14.8	X	220.46180	53.29506	145.25632	11.15044	0.0556365	0.19037847	2.9926608	21	12 17.4	19.3
126350 2002 AY_{166}	15.8	X	329.90694	245.31198	175.01911	4.58687	0.2359449	0.24103298	2.5571237	21	12 4.0	17.6
126351 2002 AC_{167}	15.1	X	46.79521	286.36929	290.15584	5.93329	0.0708973	0.21801530	2.7340812	21	6 16.4	18.4
126352 2002 AO_{167}	15.0	X	278.67960	101.51008	328.47728	21.79902	0.0427326	0.23099230	2.6306983	21	9 17.3	18.7
126353 2002 AD_{169}	16.0	X	230.92073	237.32903	291.79629	4.67875	0.1009088	0.24306668	2.5428403	21	11 25.3	19.4
126354 2002 AL_{169}	16.5	X	18.94057	259.64137	346.69101	2.60404	0.0583438	0.27448680	2.3448860	21	6 11.0	19.0
126355 2002 AN_{169}	16.1	X	17.55580	206.03413	343.98995	2.88084	0.0795271	0.26563407	2.3966992	21	3 16.6	18.7
126356 2002 AD_{170}	17.1	X	46.90141	184.20297	344.01224	2.93547	0.1156335	0.26564871	2.3966111	21	4 6.5	19.3
126357 2002 AA_{171}	16.4	X	235.13846	297.91981	115.33292	4.01073	0.0634009	0.22723386	2.6596267	21	7 4.6	20.2
126358 2002 AU_{172}	16.0	X	335.23591	304.30043	96.16070	5.90353	0.1068998	0.23998160	2.5645869	21	11 12.5	18.7
126359 2002 AG_{174}	15.8	X	257.27816	181.79014	52.70095	3.19351	0.1242241	0.25240229	2.4797460	21	—	—
126360 2002 AE_{175}	15.8	X	298.12847	139.07840	112.62967	3.04578	0.1346348	0.20941539	2.8084303	21	2 14.6	19.9
126361 2002 AA_{179}	16.1	X	176.14865	164.13533	345.61080	1.64877	0.1379302	0.22822529	2.6519187	21	8 30.2	20.3
126362 2002 AG_{181}	15.4	X	245.75273	328.18575	53.23362	14.57423	0.1173317	0.22695202	2.6618282	21	5 28.6	19.3
126363 2002 AR_{182}	15.3	X	280.42958	103.12448	330.62198	13.45264	0.1595267	0.23812458	2.5779030	21	9 13.5	18.4
126364 2002 AY_{182}	15.9	X	112.79692	168.61188	73.64579	1.74032	0.1170637	0.23525989	2.5987876	21	10 22.8	19.9
126365 2002 AR_{184}	15.8	X	92.47044	44.82935	12.28228	8.61219	0.2061568	0.25976773	2.4326479	21	2 3.5	18.5
126366 2002 AF_{185}	15.6	X	228.62102	286.79452	131.28887	15.33892	0.0836630	0.22815909	2.6524317	21	7 1.6	19.6
126367 2002 AZ_{186}	15.0	X	192.36338	173.19386	85.42002	6.99167	0.1526942	0.24574656	2.5243201	21	—	—
126368 2002 AB_{187}	15.7	X	210.07667	95.98207	332.71941	10.70070	0.1600248	0.22593038	2.6698465	21	6 20.1	20.1
126369 2002 AK_{187}	15.9	X	141.12059	30.22278	4.31419	8.70930	0.2111120	0.26382501	2.4076429	21	3 6.5	19.5
126370 2002 AR_{187}	16.0	X	348.07126	319.54103	269.99749	6.94341	0.1079287	0.26456838	2.4031309	21	3 17.2	18.7
126371 2002 AH_{188}	16.0	X	28.79790	233.32986	113.84371	17.23715	0.1069979	0.23868582	2.5738603	21	11 28.6	19.5
126372 2002 AS_{188}	15.2	X	24.15883	2.95148	289.26921	13.32170	0.1925098	0.22831805	2.6512003	21	9 4.1	18.2
126373 2002 AT_{190}	15.6	X	20.08965	305.87023	66.41920	12.41051	0.2115911	0.24395300	2.5366776	21	12 31.8	18.7
126374 2002 AV_{190}	14.6	X	58.23063	177.35966	20.06098	13.46463	0.1446238	0.21467638	2.7623575	21	6 16.9	18.2
126375 2002 AF_{193}	15.2	X	260.06597	228.62133	143.62137	16.59193	0.2181411	0.17529018	3.1620179	21	5 28.7	20.4
126376 2002 AP_{193}	15.2	X	123.37000	349.28349	269.96737	11.76652	0.1119554	0.23498941	2.6007814	21	11 21.7	19.3
126377 2002 AU_{193}	15.7	X	208.95429	226.32845	297.68992	10.68520	0.0708947	0.23397737	2.6082756	21	10 21.5	19.7
126378 2002 AM_{195}	15.7	X	179.37471	212.09119	149.94027	9.83208	0.2890823	0.26444790	2.4038607	21	3 4.0	19.9
126379 2002 AU_{197}	15.3	X	158.41523	3.31252	126.10653	13.80394	0.1285303	0.22284949	2.6943972	21	7 17.1	19.4
126380 2002 AE_{199}	15.1	X	270.36809	220.09202	96.82168	15.54000	0.2070994	0.22215857	2.6999807	21	4 3.2	19.6
126381 2002 AP_{200}	15.8	X	287.86881	115.93837	147.69809	3.63199	0.0727809	0.21330241	2.7742071	21	2 24.5	19.8
126382 2002 AC_{201}	15.9	X	16.09293	359.74724	255.44579	4.08171	0.1078056	0.22414388	2.6840141	21	6 23.5	18.9
126383 2002 AP_{202}	15.2	X	305.72771	23.06594	296.77951	13.41120	0.1885184	0.22242446	2.6978286	21	5 9.4	18.9
126384 2002 AO_{203}	16.8	X	77.16907	220.34457	117.38190	5.02313	0.0780837	0.24508320	2.5288730	21	—	—
126385 2002 AW_{203}	15.8	X	160.85236	40.08966	347.56829	3.13820	0.1019864	0.21073381	2.7967044	21	3 12.2	20.0
126386 2002 BT	14.7	X	280.82038	55.03088	106.37968	27.58897	0.2291429	0.24165436	2.5527383	21	—	—
126387 2002 BZ	15.4	X	252.37909	98.99363	10.90158	5.82884	0.0975444	0.23798676	2.5788981	21	10 6.6	18.7
126388 2002 BS_{1}	16.2	X	158.17641	330.53317	103.34421	5.96842	0.0938859	0.21995179	2.7180100	21	5 6.9	20.3
126389 2002 BX_{1}	15.3	X	222.50432	8.95876	155.16271	15.30786	0.1229843	0.23627189	2.5913616	21	11 10.2	19.3
126390 2002 BZ_{1}	15.9	X	4.76064	241.90448	167.81321	1.59818	0.2520839	0.24470990	2.5314442	21	—	—
126391 2002 BW_{2}	15.3	X	298.16627	2.82021	56.07903	15.69615	0.0896756	0.23760827	2.5816360	21	10 12.6	18.6
126392 2002 BD_{3}	14.9	X	131.36169	165.67665	37.69049	12.36645	0.1249170	0.23084975	2.6317811	21	9 27.4	19.0
126393 2002 BF_{3}	15.5	X	102.48701	103.06165	69.12826	12.27580	0.1357032	0.22297502	2.6933859	21	7 14.2	19.5
126394 2002 BL_{3}	14.8	X	334.65114	294.59771	64.79449	11.10841	0.2806911	0.23670302	2.5882140	21	9 9.1	16.7
126395 2002 BG_{4}	15.0	X	183.81810	117.42531	82.35130	16.14779	0.2022488	0.23715870	2.5848976	21	11 9.8	19.4
126396 2002 BV_{4}	15.1	X	307.07734	69.59562	35.95352	13.75905	0.1271918	0.24414202	2.5353681	21	12 21.8	18.0
126397 2002 BY_{4}	15.5	X	290.04086	299.00892	74.15719	16.10804	0.1323040	0.23030826	2.6359047	21	7 13.1	19.0
126398 2002 BP_{9}	16.1	X	64.23159	87.71430	136.78422	3.89887	0.3273476	0.26954722	2.3734467	21	9 5.8	19.1
126399 2002 BW_{9}	15.9	X	85.86010	85.31831	27.33426	2.54693	0.1742058	0.26280566	2.4138646	21	4 3.5	18.6
126400 2002 BX_{10}	15.9	X	255.18967	321.77980	133.30596	10.13607	0.1655196	0.23298589	2.6156701	21	9 12.7	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126401 2002 BZ_{12}	15.2	X	61.16709	71.41981	59.11323	8.29201	0.1749120	0.21134699	2.7912924	21	3 30.7	18.4
126402 2002 BD_{13}	15.8	X	19.39031	192.07606	6.09475	9.80234	0.1747305	0.26300811	2.4126257	21	3 29.7	17.5
126403 2002 BO_{13}	15.2	X	223.54043	151.28463	76.94384	10.75405	0.0076932	0.19665168	2.9286734	21	—	—
126404 2002 BK_{15}	16.4	X	70.19008	223.65238	225.22173	1.99339	0.1309418	0.25854137	2.4403344	21	1 25.5	18.9
126405 2002 BO_{15}	15.3	X	162.54393	67.71270	142.21647	9.62276	0.0350540	0.18525926	3.0475401	21	10 30.4	19.9
126406 2002 BG_{16}	15.2	X	196.40223	105.47310	159.21615	13.75098	0.1498744	0.24515765	2.5283610	21	—	—
126407 2002 BO_{16}	15.5	X	20.82044	252.80353	293.04524	1.39316	0.1216860	0.21049336	2.7988338	21	3 25.2	18.7
126408 2002 BX_{16}	15.7	X	63.85109	86.51373	151.32588	5.11797	0.1526724	0.27299064	2.3534459	21	8 27.2	18.3
126409 2002 BK_{18}	16.2	X	239.56133	65.99695	84.64972	0.95135	0.0869839	0.23906800	2.5711165	21	11 14.6	19.5
126410 2002 BU_{18}	14.8	X	314.43628	233.83572	147.12472	17.67560	0.3837891	0.23529807	2.5985065	21	7 19.9	17.4
126411 2002 BY_{18}	15.1	X	312.57601	275.77627	88.86267	14.65681	0.1924300	0.23257186	2.6187735	21	7 30.1	18.0
126412 2002 BQ_{19}	16.1	X	348.85430	311.31674	111.25294	7.70005	0.2087915	0.24314890	2.5422671	21	—	—
126413 2002 BU_{19}	16.2	X	134.96772	211.23516	163.62747	2.60877	0.1940597	0.26021533	2.4298575	21	1 30.1	19.5
126414 2002 BD_{20}	16.6	X	337.49182	319.99334	209.38032	0.53530	0.1277632	0.25420946	2.4679797	21	—	—
126415 2002 BZ_{23}	15.1	X	328.19338	298.29699	84.53014	14.00404	0.2033822	0.23734014	2.5835800	21	10 8.3	17.7
126416 2002 BH_{25}	16.0	X	25.13433	225.70973	10.64195	1.16283	0.1463161	0.26775725	2.3840126	21	6 13.4	18.1
126417 2002 BB_{28}	15.2	X	53.50937	143.45386	98.61552	16.27858	0.0746086	0.22507571	2.6766009	21	8 3.9	18.7
126418 2002 BD_{29}	15.5	X	229.15989	11.27606	51.79691	10.16382	0.0951102	0.22821246	2.6520181	21	7 7.9	19.5
126419 2002 BH_{29}	15.3	X	321.94240	76.65654	8.19104	11.40187	0.1235366	0.24311047	2.5425350	21	12 20.1	18.2
126420 2002 BK_{29}	15.8	X	269.05347	356.17110	47.23913	8.08362	0.3088086	0.23307901	2.6149734	21	6 30.4	19.8
126421 2002 BD_{30}	14.9	X	246.18392	104.59609	87.21408	10.45780	0.0746162	0.19185802	2.9772553	21	—	—
126422 2002 BJ_{30}	15.1	X	19.50621	30.15036	343.18757	17.23019	0.1792141	0.24530951	2.5273174	21	12 30.4	18.5
126423 2002 BE_{31}	15.8	X	246.36390	151.12807	200.35976	1.84555	0.0509574	0.21806322	2.7336806	21	4 29.5	19.5
126424 2002 CR	15.2	X	16.34381	155.29027	203.88649	8.14958	0.1182066	0.18829673	3.0146776	21	11 13.5	18.9
126425 2002 CW_{1}	16.9	X	173.26183	18.35481	24.10628	5.01130	0.2364579	0.27005560	2.3704671	21	4 13.9	20.9
126426 2002 CO_{2}	15.7	X	294.18433	321.26775	58.49635	5.76150	0.1578056	0.23106616	2.6301377	21	7 25.6	18.9
126427 2002 CV_{2}	14.7	X	60.83359	314.20549	338.15319	13.79653	0.2220995	0.23255554	2.6188960	21	11 4.0	18.7
126428 2002 CU_{4}	15.3	X	213.45163	133.77087	33.85122	12.92213	0.2266579	0.23672899	2.5880247	21	10 21.9	19.5
126429 2002 CZ_{4}	15.4	X	320.76634	221.91476	32.35013	6.59953	0.1137689	0.26276635	2.4141054	21	3 15.8	18.3
126430 2002 CH_{5}	16.3	X	107.58417	292.43383	125.58756	5.83054	0.1721324	0.26009359	2.4306156	21	2 19.6	19.1
126431 2002 CK_{5}	15.3	X	162.61134	37.94290	338.85206	5.60441	0.2999424	0.26333614	2.4106218	21	3 8.7	19.3
126432 2002 CR_{5}	15.4	X	261.21152	28.11649	224.50056	1.25515	0.0405966	0.20435846	2.8545718	21	1 15.8	19.6
126433 2002 CT_{7}	15.9	X	85.68158	47.59384	147.63634	2.62441	0.1453573	0.27090812	2.3654914	21	7 25.7	18.7
126434 2002 CM_{8}	16.2	X	326.54072	25.26617	200.88795	1.79215	0.1358854	0.26080591	2.4261879	21	2 7.0	19.0
126435 2002 CQ_{10}	15.4	X	271.18921	87.04640	40.78832	21.75501	0.1611534	0.23852838	2.5749928	21	11 13.6	18.4
126436 2002 CC_{11}	16.2	X	2.52812	201.35201	20.87391	2.82683	0.1190600	0.26255605	2.4153942	21	4 5.1	18.6
126437 2002 CG_{11}	15.9	X	315.05481	56.16513	4.24148	4.07797	0.1856718	0.23776023	2.5805359	21	10 26.9	18.2
126438 2002 CB_{12}	14.9	X	347.75479	31.86098	193.73931	32.11294	0.2435787	0.25902209	2.4373142	21	2 18.3	18.0
126439 2002 CP_{12}	16.0	X	86.23351	139.09964	25.02485	2.85525	0.1324343	0.26933511	2.3746926	21	6 9.3	18.8
126440 2002 CP_{13}	15.6	X	358.58620	99.89391	126.07870	2.42929	0.1592502	0.21296941	2.7770982	21	4 9.4	18.4
126441 2002 CV_{14}	16.4	X	333.79461	227.18258	336.28713	1.77079	0.1346901	0.25751723	2.4468003	21	1 19.7	19.2
126442 2002 CJ_{15}	15.1	X	110.26214	152.92284	131.20220	12.97388	0.0767837	0.18834783	3.0141322	21	12 2.8	19.8
126443 2002 CV_{15}	16.0	X	83.22824	14.30520	172.58175	2.59463	0.1085347	0.26945730	2.3739746	21	7 4.2	19.0
126444 Wylie	15.7	X	17.64966	85.12342	54.67305	15.12183	0.0925440	0.25783997	2.4447581	21	1 6.3	18.6
126445 Prestonreeves	15.3	X	259.76564	358.69882	48.80470	15.47834	0.1253879	0.22989808	2.6390391	21	7 22.8	19.3
126446 2002 CO_{16}	16.0	X	272.54863	37.36500	326.77452	7.05259	0.0991726	0.27818757	2.3240434	21	6 8.6	19.0
126447 2002 CH_{18}	14.7	X	41.87150	253.59454	88.08464	12.06489	0.1918361	0.18795663	3.0183131	21	12 7.6	18.8
126448 2002 CS_{19}	15.9	X	223.51498	83.49847	7.80026	4.76967	0.1270988	0.22978651	2.6398933	21	8 5.7	19.8
126449 2002 CH_{20}	15.9	X	353.48083	336.54648	84.35418	4.81600	0.1549609	0.24375664	2.5380397	21	—	—
126450 2002 CJ_{20}	15.9	X	289.09339	24.20544	31.14862	4.84707	0.1970405	0.23409369	2.6074115	21	8 31.8	19.0
126451 2002 CV_{20}	15.3	X	300.93736	97.88278	78.30449	2.31619	0.0825440	0.19838461	2.9115935	21	—	—
126452 2002 CC_{24}	16.5	X	210.66929	239.11165	172.85560	9.64940	0.2000909	0.27571576	2.3379129	21	5 28.6	20.4
126453 2002 CO_{24}	15.7	X	255.77959	241.70342	265.14283	6.54079	0.1765378	0.23956931	2.5675284	21	11 16.4	19.0
126454 2002 CK_{26}	14.9	X	338.63012	42.94944	270.40455	21.78153	0.1696043	0.28731422	2.2745630	21	7 3.3	16.7
126455 2002 CO_{27}	16.3	X	65.61431	107.58496	8.04137	3.11739	0.2278394	0.26219520	2.4176099	21	3 11.1	18.1
126456 2002 CK_{28}	15.3	X	175.74413	81.00209	342.03181	8.14431	0.2463775	0.22205861	2.7007910	21	5 11.2	20.2
126457 2002 CQ_{28}	15.4	X	54.43667	355.69489	85.48719	7.28712	0.0437643	0.20439734	2.8542098	21	—	—
126458 2002 CW_{29}	15.5	X	201.48423	63.56651	14.97413	6.90099	0.1589157	0.27663909	2.3327078	21	6 23.6	19.2
126459 2002 CX_{30}	16.2	X	24.76296	123.43245	94.71394	7.73982	0.0410617	0.26847340	2.3797712	21	5 11.8	18.9
126460 2002 CM_{32}	15.6	X	7.07262	181.34538	53.10949	5.71788	0.1624254	0.26602183	2.3943697	21	5 1.1	17.5
126461 2002 CD_{33}	15.9	X	302.72620	314.82755	116.66816	16.00870	0.0549141	0.23710989	2.5852524	21	11 9.1	19.4
126462 2002 CP_{35}	15.8	X	157.03397	329.49169	261.22509	4.77991	0.1956376	0.23604243	2.5930407	21	11 19.2	20.2
126463 2002 CW_{37}	15.9	X	265.92069	313.38019	127.66106	8.90646	0.1653567	0.23326275	2.6136000	21	9 7.6	19.3
126464 2002 CE_{38}	16.0	X	62.05863	269.85698	7.26446	2.14146	0.0315767	0.23134273	2.6280410	21	9 24.9	19.3
126465 2002 CV_{38}	15.6	X	263.27045	140.04066	101.45095	3.25809	0.0126256	0.20308375	2.8665043	21	1 7.9	19.4
126466 2002 CA_{39}	16.2	X	62.78540	135.24161	317.67552	1.48083	0.1543701	0.25670341	2.4519689	21	1 21.1	18.4
126467 2002 CZ_{39}	15.5	X	246.11282	347.01240	200.10431	13.12964	0.1048920	0.24256722	2.5463297	21	—	—
126468 2002 CB_{40}	15.0	X	59.30667	236.29572	265.55521	11.13977	0.1550369	0.21122717	2.7923479	21	3 30.2	18.5
126469 2002 CB_{41}	14.2	X	107.89919	296.44031	292.18329	20.06343	0.1511093	0.17788132	3.1312361	21	9 16.3	19.5
126470 2002 CL_{41}	16.4	X	188.10895	256.15366	184.92614	12.68135	0.2488127	0.22423662	2.6832740	21	6 14.8	21.4
126471 2002 CA_{42}	15.8	X	224.09501	258.87232	190.50839	12.33898	0.2327107	0.23028643	2.6360713	21	7 21.9	20.4
126472 2002 CF_{42}	15.9	X	255.03487	274.44443	215.00987	9.61211	0.1565381	0.23677506	2.5876890	21	10 26.9	19.2
126473 2002 CA_{43}	15.4	X	68.04492	323.57135	164.52727	13.24605	0.1250308	0.21096415	2.7946683	21	3 29.8	18.8
126474 2002 CM_{43}	14.4	X	72.52407	103.72994	150.00041	1.66791	0.1592942	0.17391776	3.1786308	21	9 21.4	19.0
126475 2002 CE_{45}	16.1	X	330.80370	333.30744	125.48583	3.05501	0.0617898	0.24407326	2.5358443	21	—	—
126476 2002 CO_{47}	15.0	X	132.89186	38.66154	255.88421	10.54596	0.0720124	0.19325352	2.9629053	21	—	—
126477 2002 CB_{48}	15.5	X	284.38330	164.37494	238.66254	8.26484	0.2399875	0.23375598	2.6099222	21	7 25.6	18.9
126478 2002 CH_{48}	15.3	X	108.69327	298.02733	283.35997	10.30635	0.1402476	0.22809880	2.6528990	21	9 17.2	19.5
126479 2002 CJ_{48}	15.2	X	148.19910	287.50346	287.99500	11.04494	0.1256283	0.23335866	2.6128838	21	10 19.5	19.6
126480 2002 CD_{49}	15.7	X	91.67173	315.23614	107.31691	3.20129	0.0527573	0.20674267	2.8325830	21	1 26.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126481 2002 CU_{49}	15.0	X	300.33122	199.45919	285.78270	10.91273	0.0370171	0.19315349	2.9639282	21	12 30.1	19.0
126482 2002 CB_{51}	15.4	X	248.24332	331.90107	322.60676	8.01978	0.2344558	0.25760922	2.4462178	21	2 2.6	19.6
126483 2002 CC_{51}	16.0	X	120.86241	287.09480	319.08586	2.84717	0.1555268	0.23239581	2.6200959	21	11 4.9	20.1
126484 2002 CU_{51}	16.1	X	207.47224	339.54191	162.29556	7.97417	0.1551593	0.23055949	2.6339895	21	9 19.7	20.2
126485 2002 CA_{53}	14.9	X	75.41116	159.93369	125.30743	10.37776	0.0952119	0.18383232	3.0632901	21	10 29.9	19.4
126486 2002 CS_{53}	16.0	X	13.62344	75.59227	171.84915	2.75151	0.1560720	0.26714948	2.3876271	21	6 7.1	17.8
126487 2002 CE_{54}	16.5	X	2.13166	236.03701	311.84071	1.73503	0.1465604	0.25865914	2.4395936	21	2 9.8	18.9
126488 2002 CD_{55}	15.7	X	226.19862	285.20097	317.20016	3.74639	0.1390051	0.24535452	2.5270083	21	—	—
126489 2002 CS_{55}	16.1	X	100.75739	335.64651	174.16583	2.12602	0.1498568	0.26774108	2.3841087	21	6 12.3	19.2
126490 2002 CB_{56}	15.4	X	158.74889	258.95759	331.12139	13.83285	0.0641583	0.23485381	2.6017824	21	11 18.6	19.5
126491 2002 CC_{56}	15.7	X	263.84989	226.18252	322.77395	5.18074	0.1097252	0.24397060	2.5365556	21	—	—
126492 2002 CQ_{56}	14.5	X	64.06828	280.14937	344.03569	8.30477	0.2939399	0.22146070	2.7056500	21	10 14.2	18.5
126493 2002 CB_{57}	15.9	X	288.53349	312.65950	297.15927	1.63484	0.1530741	0.25505638	2.4625133	21	1 21.7	19.4
126494 2002 CG_{57}	15.5	X	59.47538	264.18679	295.66981	2.84997	0.0363470	0.21740067	2.7392319	21	6 7.5	19.0
126495 2002 CO_{57}	15.2	X	0.32153	124.27213	344.62272	1.37861	0.0574490	0.19729861	2.9222679	21	—	—
126496 2002 CM_{59}	15.0	X	78.44171	342.55058	4.36410	3.10615	0.1716727	0.24034330	2.5620133	21	—	—
126497 2002 CQ_{59}	15.3	X	126.19289	235.10525	341.43421	13.49770	0.0146413	0.22872804	2.6480312	21	9 22.4	19.1
126498 2002 CK_{61}	15.2	X	90.82924	165.33932	108.91193	16.03229	0.1036804	0.23385471	2.6091876	21	11 12.5	19.3
126499 2002 CX_{61}	14.8	X	34.49511	244.81678	95.35096	12.85825	0.1326384	0.18636368	3.0354881	21	11 19.7	18.9
126500 2002 CA_{62}	15.9	X	104.72683	340.83318	53.41529	7.19898	0.2505697	0.25773493	2.4454223	21	1 28.9	18.8
126501 2002 CT_{62}	15.3	X	97.42522	149.49530	100.58635	13.70913	0.0165465	0.23176040	2.6248827	21	10 11.1	19.1
126502 2002 CZ_{62}	15.9	X	327.68837	320.73924	104.93946	13.86016	0.1191339	0.24056679	2.5604262	21	12 5.6	18.7
126503 2002 CE_{63}	15.6	X	65.16321	74.78277	72.87071	7.42763	0.0717456	0.26391376	2.4071031	21	4 8.3	18.4
126504 2002 CU_{63}	14.7	X	85.31001	257.35817	78.57470	10.89705	0.0665447	0.19176999	2.9781664	21	—	—
126505 2002 CA_{64}	15.0	X	84.31467	272.09923	18.64826	12.78398	0.1924641	0.23385686	2.6091716	21	11 25.7	19.2
126506 2002 CC_{64}	15.8	X	276.87806	52.89735	62.91494	9.49738	0.0444195	0.23863626	2.5742167	21	11 25.3	18.9
126507 2002 CU_{64}	15.6	X	39.81673	191.61951	102.32215	13.76106	0.0147492	0.23053742	2.6341577	21	9 21.6	19.3
126508 2002 CQ_{67}	16.0	X	267.76652	60.21661	335.73943	1.01748	0.1671877	0.23071468	2.6328082	21	7 8.0	19.5
126509 2002 CA_{69}	16.6	X	167.15518	41.88307	338.59164	4.31984	0.1591170	0.26421908	2.4052484	21	3 7.5	20.0
126510 2002 CN_{69}	16.3	X	324.31302	268.56547	351.55494	1.92289	0.1886835	0.26410268	2.4059551	21	3 13.9	19.1
126511 2002 CM_{70}	16.3	X	282.88470	132.50848	120.23072	5.99358	0.1547451	0.25703411	2.4498653	21	1 18.9	19.8
126512 2002 CB_{71}	15.5	X	169.84841	100.68981	133.84251	2.57972	0.1453850	0.23835609	2.5762334	21	12 7.4	19.5
126513 2002 CY_{71}	15.7	X	355.85908	194.67032	34.35867	2.49737	0.0198121	0.21522530	2.7576586	21	4 17.3	19.1
126514 2002 CK_{74}	14.9	X	300.82282	302.81929	24.42084	3.78703	0.0681526	0.17080292	3.2171589	21	6 6.3	19.2
126515 2002 CY_{75}	16.3	X	285.54482	210.12441	43.93404	2.47457	0.0717700	0.25819074	2.4425433	21	2 2.7	19.6
126516 2002 CB_{77}	15.9	X	187.83151	26.02880	84.81382	2.92412	0.0323673	0.22534363	2.6744790	21	7 26.1	19.5
126517 2002 CJ_{77}	15.2	X	170.40901	270.05570	9.95236	2.03285	0.0584373	0.19503753	2.9448099	21	—	—
126518 2002 CE_{78}	15.8	X	175.35259	211.31771	5.37916	4.54038	0.0649594	0.23754106	2.5821230	21	11 23.9	19.5
126519 2002 CO_{78}	15.4	X	132.00577	145.96158	123.46051	5.44521	0.2116863	0.23636637	2.5906710	21	12 15.6	19.8
126520 2002 CT_{78}	16.1	X	359.67668	203.10581	135.79867	5.52626	0.0542902	0.23060472	2.6336451	21	9 23.9	19.2
126521 2002 CP_{80}	14.8	X	100.51349	315.34534	334.91496	9.50051	0.0702157	0.18639709	3.0351253	21	11 23.6	19.4
126522 2002 CK_{81}	16.4	X	357.19391	95.26928	334.14861	13.41201	0.1819625	0.24561913	2.5251931	21	—	—
126523 2002 CM_{81}	16.3	X	324.63900	77.14703	25.72900	3.37519	0.0936475	0.24406557	2.5358976	21	—	—
126524 2002 CZ_{81}	16.0	X	189.57449	111.82834	140.28696	4.96681	0.1473266	0.24211410	2.5495057	21	—	—
126525 2002 CB_{82}	15.6	X	117.68711	316.12799	15.77009	1.00903	0.0587332	0.19470096	2.9482025	21	—	—
126526 2002 CJ_{82}	16.0	X	119.52707	150.33550	127.55883	3.12266	0.1363586	0.23631536	2.5910438	21	12 12.9	19.9
126527 2002 CA_{83}	16.4	X	308.26865	195.84837	54.67497	2.89655	0.1717092	0.25822640	2.4423184	21	2 12.4	19.7
126528 2002 CN_{83}	15.5	X	108.43098	136.60866	118.98208	5.53263	0.0724588	0.23227673	2.6209913	21	11 1.6	19.3
126529 2002 CT_{83}	16.2	X	6.17377	284.00332	130.14918	8.73509	0.2098512	0.24473607	2.5312637	21	—	—
126530 2002 CC_{84}	15.5	X	8.59516	5.05509	334.75634	11.32053	0.0685897	0.23111890	2.6297376	21	10 3.1	18.8
126531 2002 CZ_{84}	16.4	X	335.00693	304.89489	70.52909	1.05989	0.0662224	0.23476522	2.6024370	21	10 5.3	19.3
126532 2002 CO_{86}	16.0	X	137.60590	270.53372	132.32584	4.74325	0.1010919	0.21075930	2.7964789	21	3 6.9	20.1
126533 2002 CQ_{86}	16.3	X	36.20211	81.01504	1.74204	1.55548	0.0996274	0.20174950	2.8791286	21	—	—
126534 2002 CT_{86}	16.3	X	330.20003	245.99549	143.04662	5.60945	0.0760102	0.23544715	2.5974095	21	10 18.5	19.3
126535 2002 CX_{86}	15.7	X	45.58915	356.25035	319.23576	5.66069	0.1323450	0.23436195	2.6054214	21	11 5.9	19.1
126536 2002 CU_{88}	15.9	X	105.49495	32.91105	5.07384	2.04740	0.2017726	0.25712695	2.4492755	21	1 25.5	18.8
126537 2002 CW_{89}	15.1	X	251.50102	19.89092	330.44482	16.48548	0.1361955	0.21721443	2.7407974	21	4 16.4	19.6
126538 2002 CJ_{90}	14.9	X	82.70012	302.42425	6.59974	4.14476	0.0660705	0.18647211	3.0343113	21	11 27.4	19.3
126539 2002 CU_{90}	16.1	X	290.32711	89.62392	145.73647	3.78782	0.1286689	0.25408976	2.4687547	21	1 8.2	19.5
126540 2002 CV_{91}	16.5	X	260.43783	91.79902	0.89089	2.42878	0.1536945	0.23356480	2.6113462	21	9 15.5	19.8
126541 2002 CC_{92}	15.6	X	7.35702	330.00770	344.64400	11.37706	0.0981476	0.22654982	2.6649776	21	9 3.2	18.4
126542 2002 CR_{92}	15.7	X	331.27114	215.37519	83.15683	3.23119	0.0593840	0.22117309	2.7079950	21	6 11.6	19.0
126543 2002 CX_{92}	15.9	X	299.76412	190.14147	81.97255	3.32840	0.1625340	0.26168743	2.4207363	21	3 3.4	19.1
126544 2002 CU_{93}	16.5	X	91.41466	332.37728	92.73295	3.62062	0.1776942	0.25799120	2.4438026	21	2 6.2	19.0
126545 2002 CV_{93}	16.1	X	213.00741	110.84872	125.64329	4.68820	0.1814952	0.24244395	2.5471928	21	—	—
126546 2002 CX_{93}	16.4	X	41.29088	298.35782	147.34387	11.06766	0.1573071	0.25291074	2.4764213	21	—	—
126547 2002 CL_{94}	15.2	X	158.97701	56.85877	95.79535	3.09492	0.0106982	0.17434014	3.1734948	21	8 11.9	19.7
126548 2002 CB_{95}	14.9	X	198.84564	86.90986	105.49945	2.27739	0.1294885	0.18560805	3.0437210	21	11 9.0	19.7
126549 2002 CF_{95}	15.8	X	275.60719	163.09175	139.07276	1.90835	0.1838169	0.26143089	2.4223196	21	3 11.4	19.3
126550 2002 CJ_{98}	14.8	X	118.89627	84.33446	154.58295	11.73414	0.0119970	0.18086610	3.0966915	21	10 12.8	19.3
126551 2002 CM_{98}	16.0	X	209.27077	296.34143	135.44382	2.62429	0.0698305	0.22197051	2.7015056	21	6 27.7	19.8
126552 2002 CV_{98}	15.7	X	244.85782	307.30224	124.38252	5.83979	0.0691856	0.22685320	2.6626011	21	8 10.5	19.3
126553 2002 CF_{99}	15.9	X	118.38967	99.70423	135.94014	6.67731	0.1508566	0.22885356	2.6470629	21	10 24.0	20.1
126554 2002 CT_{101}	15.3	X	59.91634	204.78115	12.19962	5.46070	0.1736735	0.21749571	2.7384338	21	7 24.9	18.8
126555 2002 CC_{102}	15.6	X	319.24442	211.01569	0.58610	2.04845	0.1497458	0.25397940	2.4694698	21	1 9.6	18.7
126556 2002 CJ_{102}	15.5	X	106.89797	34.36880	1.72823	1.66939	0.1030850	0.20191634	2.8775425	21	1 22.0	19.3
126557 2002 CT_{102}	15.7	X	113.70415	120.67384	34.17825	3.12325	0.1200983	0.21887809	2.7268914	21	7 1.9	19.7
126558 2002 CD_{104}	14.3	X	74.89000	136.27179	158.95528	10.22927	0.0475706	0.18112335	3.0937586	21	11 2.3	18.8
126559 2002 CG_{104}	15.2	X	140.76079	95.04663	120.04493	2.35276	0.1158466	0.17905117	3.1175824	21	10 12.2	20.2
126560 2002 CD_{105}	15.7	X	151.86559	70.75905	141.17753	5.61323	0.0452864	0.23105747	2.6302036	21	10 25.3	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126561 2002 CF_{105}	14.8	X	62.55839	130.41254	122.88367	2.25480	0.1133291	0.17205788	3.2014962	21	9 1.9	19.2
126562 2002 CM_{105}	15.7	X	203.91154	325.55009	162.13948	12.61095	0.1224334	0.22781571	2.6550963	21	8 30.0	19.8
126563 2002 CH_{106}	15.6	X	169.28071	322.41015	149.86609	11.25403	0.0391844	0.22010743	2.7167286	21	7 3.9	19.7
126564 2002 CK_{106}	15.6	X	177.30276	14.85878	111.52296	3.37098	0.0130965	0.22264858	2.6960178	21	8 2.6	19.3
126565 2002 CX_{106}	15.1	X	245.53142	87.79105	115.49199	2.49555	0.0805105	0.19156051	2.9803371	21	—	—
126566 2002 CY_{106}	14.9	X	70.93756	170.11244	151.99702	10.88702	0.0317721	0.18411821	3.0601183	21	11 27.8	19.4
126567 2002 CG_{107}	16.6	X	95.31195	55.57900	93.13125	3.47271	0.1562119	0.26615039	2.3935986	21	6 4.6	19.7
126568 2002 CO_{107}	15.5	X	203.06325	348.03020	136.53129	6.37787	0.0886346	0.22646343	2.6656554	21	8 28.7	19.4
126569 2002 CT_{107}	15.7	X	342.67720	86.58564	351.72299	21.75739	0.0979283	0.24048259	2.5610239	21	—	—
126570 2002 CX_{108}	15.8	X	290.46551	334.64201	152.71012	9.83971	0.2091411	0.24061441	2.5600884	21	12 14.3	18.4
126571 2002 CN_{110}	15.2	X	91.10028	172.75616	61.35372	1.98942	0.1400178	0.17414493	3.1758659	21	9 16.6	19.8
126572 2002 CX_{110}	15.2	X	204.71430	4.66741	154.65167	10.34732	0.0318793	0.18125493	3.0922612	21	10 16.3	19.7
126573 2002 CF_{111}	14.7	X	130.19305	82.03649	157.20245	9.43834	0.0737780	0.18057077	3.1000671	21	10 30.3	19.5
126574 2002 CM_{112}	15.4	X	120.75476	222.58355	11.26625	13.66803	0.1483499	0.22635977	2.6664691	21	10 18.6	19.6
126575 2002 CA_{113}	15.9	X	120.34908	124.69864	134.99150	5.78802	0.1335245	0.23435327	2.6054857	21	11 22.6	20.0
126576 2002 CA_{114}	15.9	X	255.45811	76.79508	29.10250	7.44214	0.1491764	0.23501891	2.6005638	21	9 29.3	19.4
126577 2002 CR_{114}	15.3	X	271.22464	30.01273	130.87615	15.46443	0.0456243	0.24144835	2.5541901	21	—	—
126578 Suhhosoo	15.4	X	73.84515	66.30680	317.25572	0.99836	0.1111521	0.19466384	2.9485773	21	—	—
126579 2002 CE_{119}	16.0	X	227.67807	317.83674	165.08387	1.20500	0.0757358	0.23451083	2.6043186	21	9 25.6	19.5
126580 2002 CH_{119}	16.3	X	330.16094	295.61656	304.61986	0.54472	0.1425061	0.26296959	2.4128614	21	3 2.6	19.0
126581 2002 CZ_{119}	16.0	X	60.93228	347.06241	147.00742	9.26861	0.1409001	0.26284088	2.4136490	21	3 19.1	18.3
126582 2002 CZ_{122}	15.4	X	207.56641	227.80678	162.73874	3.46227	0.2457399	0.27203533	2.3589524	21	4 27.4	19.4
126583 2002 CZ_{123}	16.5	X	156.61210	217.01862	162.95289	1.32105	0.1933716	0.26241043	2.4162878	21	2 28.0	20.1
126584 2002 CV_{125}	15.1	X	142.31948	319.18374	276.04998	2.77027	0.2455086	0.18122393	3.0926137	21	11 7.8	20.5
126585 2002 CY_{125}	16.4	X	154.95198	307.48891	240.79456	0.24401	0.0747371	0.23028135	2.6361100	21	9 26.3	20.2
126586 2002 CV_{127}	16.5	X	235.37027	276.22494	87.49275	3.54053	0.1817152	0.27144973	2.3623438	21	4 19.8	20.1
126587 2002 CX_{127}	15.8	X	0.11597	346.61252	228.48368	1.67845	0.0138201	0.21411598	2.7671753	21	4 4.6	19.6
126588 2002 CF_{128}	16.8	X	94.09612	194.64969	223.88990	0.90474	0.1811263	0.25869929	2.4393413	21	1 31.3	19.4
126589 2002 CG_{128}	16.4	X	287.92604	210.84872	208.04275	1.47866	0.0921048	0.23365938	2.6106415	21	9 17.8	19.5
126590 2002 CJ_{128}	16.7	X	157.89039	253.05339	168.17727	6.71933	0.1299958	0.26720772	2.3872801	21	4 19.1	20.1
126591 2002 CT_{128}	16.5	X	354.13958	317.12310	257.74218	2.26422	0.0595103	0.26247443	2.4158949	21	3 15.2	19.4
126592 2002 CU_{128}	15.5	X	59.84811	103.18418	309.01790	11.01673	0.0403153	0.19939840	2.9017163	21	—	—
126593 2002 CC_{129}	16.4	X	137.21379	263.81164	169.06393	6.19585	0.0953456	0.26475131	2.4020238	21	4 6.9	19.5
126594 2002 CD_{129}	16.1	X	98.02643	300.23456	309.98908	2.91288	0.2292560	0.22847024	2.6500229	21	10 24.8	20.3
126595 2002 CM_{129}	15.5	X	246.89022	72.97615	315.31899	13.04316	0.1381487	0.22347964	2.6893298	21	6 6.4	19.7
126596 2002 CO_{129}	15.6	X	55.05726	230.48030	299.63183	3.17161	0.0101796	0.21431433	2.7654676	21	4 18.1	19.3
126597 2002 CM_{132}	16.0	X	193.97550	100.22136	159.82583	5.85116	0.1983987	0.24219339	2.5489492	21	—	—
126598 2002 CC_{134}	15.0	X	86.89818	160.08994	155.03227	10.51292	0.2224994	0.23676065	2.5877940	21	—	—
126599 2002 CU_{134}	15.3	X	73.32030	88.77409	173.47055	2.59012	0.0615748	0.22627870	2.6671060	21	9 24.2	18.7
126600 2002 CA_{136}	16.0	X	113.68328	356.93713	157.79196	10.08072	0.1234250	0.27308065	2.3529287	21	7 1.3	19.4
126601 2002 CB_{136}	16.0	X	15.64624	40.12503	168.57502	6.82186	0.0681175	0.26681800	2.3896041	21	4 12.3	18.5
126602 2002 CD_{136}	16.0	X	124.93252	321.31359	165.70569	8.55747	0.0540898	0.27138660	2.3627102	21	5 30.5	19.2
126603 2002 CP_{136}	16.3	X	173.71997	348.95421	188.30750	4.99092	0.0993781	0.28405075	2.2919515	21	10 7.9	19.5
126604 2002 CW_{137}	15.1	X	196.47083	61.48582	282.89447	12.18683	0.0349048	0.20997569	2.8034321	21	2 17.4	19.3
126605 2002 CT_{140}	15.7	X	110.63612	247.65597	219.18860	4.15493	0.1235845	0.21646806	2.7470939	21	4 26.4	19.3
126606 2002 CS_{141}	15.3	X	127.85195	255.08297	316.72015	10.58764	0.1571390	0.22668223	2.6639397	21	9 26.1	19.7
126607 2002 CM_{143}	15.9	X	287.88519	349.22601	261.73028	3.26713	0.0207984	0.21064094	2.7975264	21	2 14.6	19.9
126608 2002 CW_{143}	16.2	X	314.96618	72.31255	168.10274	8.31780	0.0812682	0.25915778	2.4364634	21	2 18.7	19.2
126609 2002 CB_{144}	16.1	X	310.17767	123.96594	293.36926	4.23849	0.2137745	0.23712229	2.5851622	21	10 6.6	18.5
126610 2002 CS_{144}	15.4	X	92.80371	17.73279	315.42804	4.30170	0.1375651	0.24144060	2.5542448	21	—	—
126611 2002 CQ_{145}	16.4	X	201.05011	74.48589	168.60585	10.44479	0.1683332	0.24062256	2.5600306	21	—	—
126612 2002 CW_{145}	16.1	X	216.94463	72.33645	180.44213	5.18989	0.2141979	0.24433012	2.5340667	21	—	—
126613 2002 CT_{147}	16.8	X	229.90818	239.77946	118.71342	3.60591	0.0979145	0.26812742	2.3818180	21	4 12.8	20.2
126614 2002 CE_{148}	15.7	X	351.41357	216.54470	357.82333	3.30875	0.0368910	0.21186292	2.7867590	21	3 21.9	19.3
126615 2002 CR_{148}	16.9	X	347.11043	117.52306	163.16744	4.94817	0.2267508	0.26884232	2.3775936	21	5 24.9	18.7
126616 2002 CF_{149}	16.2	X	54.82252	235.81668	292.80255	3.14786	0.0762853	0.21404889	2.7677534	21	4 22.8	19.7
126617 2002 CW_{151}	15.2	X	105.88153	220.11537	99.20878	3.04693	0.0705691	0.18911658	3.0059585	21	—	—
126618 2002 CA_{154}	15.8	X	112.63247	309.11590	154.42057	3.13141	0.0770196	0.21186474	2.7867431	21	4 19.7	19.6
126619 2002 CX_{154}	7.2	X	16.42038	161.23512	347.04329	16.01783	0.4624253	0.00165750	70.7133180	21	3 31.5	23.5
126620 2002 CM_{155}	14.9	X	25.75032	328.24270	331.83693	13.15699	0.1730477	0.23116914	2.6293565	21	9 19.1	17.9
126621 2002 CA_{157}	15.2	X	69.22048	256.05170	34.27431	2.83309	0.0689437	0.18396793	3.0617846	21	10 20.9	19.5
126622 2002 CO_{158}	16.6	X	324.93310	293.36194	339.72727	2.21180	0.1635055	0.26483476	2.4015192	21	4 5.8	19.4
126623 2002 CJ_{160}	15.9	X	178.50751	22.92654	48.76591	4.28904	0.0925960	0.22291149	2.6938976	21	5 23.5	20.0
126624 2002 CK_{162}	15.1	X	261.10838	10.85081	336.39611	12.53305	0.1938956	0.22059859	2.7126946	21	4 19.0	19.5
126625 2002 CG_{163}	15.4	X	85.26957	181.81283	115.27941	16.33438	0.1567127	0.23654701	2.5893519	21	12 7.4	19.5
126626 2002 CN_{163}	16.2	X	17.18415	6.50210	52.78847	3.55215	0.1514159	0.24748858	2.5124606	21	—	—
126627 2002 CQ_{163}	15.6	X	141.81311	261.77421	36.30463	3.91827	0.1093624	0.24466152	2.5317779	21	—	—
126628 2002 CS_{163}	15.9	X	95.04644	118.89001	28.55941	4.54852	0.0898180	0.21750219	2.7383795	21	5 24.4	19.7
126629 2002 CK_{164}	16.5	X	216.92274	5.05989	3.68973	4.14097	0.0421704	0.26720651	2.3872873	21	4 11.3	19.7
126630 2002 CM_{164}	15.7	X	88.95333	35.44895	76.00137	4.89629	0.0552003	0.21242789	2.7818157	21	3 28.2	19.4
126631 2002 CO_{164}	15.7	X	184.03496	329.71771	85.22918	5.61562	0.0855861	0.21874660	2.7279841	21	5 9.8	19.8
126632 2002 CW_{164}	16.7	X	268.16654	119.14685	10.79080	3.77809	0.1563700	0.24035202	2.5619513	21	11 14.8	19.7
126633 2002 CE_{165}	15.0	X	249.42929	79.31680	115.41819	10.02202	0.0997121	0.19401654	2.9551320	21	—	—
126634 2002 CB_{167}	16.7	X	301.60899	143.93822	342.36688	11.99941	0.2176141	0.24428262	2.5343952	21	—	—
126635 2002 CM_{169}	16.2	X	81.17672	123.24858	50.07306	4.35609	0.1706278	0.26756719	2.3851415	21	6 22.1	19.1
126636 2002 CL_{170}	15.6	X	1.96425	32.30932	28.15440	6.29467	0.2041190	0.24393187	2.5368241	21	—	—
126637 2002 CM_{170}	16.1	X	256.13276	81.13998	32.92637	5.55998	0.2598028	0.23609693	2.5926416	21	9 24.8	19.6
126638 2002 CW_{173}	15.8	X	137.65999	88.70135	142.25116	13.66405	0.1334696	0.23060301	2.6336581	21	11 6.9	20.2
126639 2002 CG_{174}	15.8	X	140.47214	53.79784	77.76558	3.49513	0.0017491	0.21916755	2.7244900	21	6 20.3	19.4
126640 2002 CJ_{174}	15.6	X	151.09902	174.47833	7.74387	12.64833	0.1024852	0.22663443	2.6643143	21	9 17.1	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126641 2002 CK_{174}	14.9	X	183.36108	142.39513	47.49508	6.72306	0.1409522	0.18198943	3.0839353	21	10 22.1	19.9
126642 2002 CA_{176}	16.2	X	26.45564	167.54287	46.71147	3.23529	0.1220258	0.26819967	2.3813902	21	5 9.4	18.2
126643 2002 CJ_{176}	16.6	X	262.31838	282.32365	77.76155	3.38653	0.1809913	0.27550824	2.3390867	21	5 11.2	19.9
126644 2002 CU_{176}	15.5	X	164.66668	173.28651	43.83737	1.16693	0.1056907	0.18718426	3.0266102	21	11 6.1	20.2
126645 2002 CA_{178}	16.5	X	285.69779	228.56231	132.76430	3.45443	0.1719615	0.27826937	2.3235879	21	6 12.2	19.4
126646 2002 CN_{179}	15.9	X	98.68867	303.03402	321.39862	5.28467	0.1066773	0.23438512	2.6052497	21	10 31.7	19.9
126647 2002 CR_{182}	16.2	X	31.80683	35.49608	37.56546	2.26261	0.0473747	0.19961361	2.8996302	21	—	—
126648 2002 CV_{193}	15.2	X	156.95368	124.59940	29.19404	3.80987	0.0377640	0.17569418	3.1571688	21	8 12.8	19.9
126649 2002 CA_{195}	14.9	X	288.27244	219.25616	132.45229	5.72451	0.1521231	0.17351305	3.1835716	21	6 9.6	19.3
126650 2002 CP_{197}	15.6	X	187.99401	312.41222	10.88096	1.84850	0.0694636	0.20424566	2.8556227	21	1 21.4	19.8
126651 2002 CY_{198}	15.4	X	150.43306	194.17532	115.73202	3.24357	0.0710791	0.19663004	2.9288883	21	—	—
126652 2002 CM_{199}	16.2	X	83.67027	253.61656	358.35179	1.53695	0.0427208	0.22934120	2.6433094	21	9 21.4	19.8
126653 2002 CC_{201}	15.6	X	22.05029	0.14433	327.59961	11.16379	0.0832576	0.23203023	2.6228473	21	10 8.2	19.0
126654 2002 CZ_{201}	16.2	X	102.61573	109.46617	343.91450	7.43632	0.1441632	0.26308544	2.4121530	21	3 25.1	19.2
126655 2002 CT_{202}	15.3	X	345.91724	140.04945	143.88787	9.94331	0.1414403	0.21886221	2.7270234	21	6 9.9	18.4
126656 2002 CY_{202}	16.6	X	306.72535	81.12857	335.40750	1.65321	0.2202154	0.23722648	2.5844052	21	9 29.1	19.0
126657 2002 CZ_{202}	15.6	X	166.66613	295.14632	326.01608	11.22048	0.1401923	0.24081192	2.5586884	21	—	—
126658 2002 CW_{203}	15.1	X	114.94408	188.11064	108.98524	3.01707	0.0823939	0.18920895	3.0049801	21	12 20.7	19.7
126659 2002 CF_{205}	15.9	X	153.83439	108.49066	138.82278	4.67703	0.1676701	0.23620687	2.5918371	21	12 7.7	20.2
126660 2002 CB_{206}	15.3	X	105.93666	137.79594	142.62096	2.33013	0.1725270	0.18377587	3.0639175	21	11 28.6	20.2
126661 2002 CQ_{206}	15.5	X	59.42063	264.13675	48.58109	3.55564	0.1666092	0.23418885	2.6067052	21	11 26.7	19.1
126662 2002 CG_{209}	15.6	X	143.93746	188.24018	112.06818	3.07202	0.0696650	0.19299655	2.9655348	21	—	—
126663 2002 CK_{209}	16.0	X	285.19903	93.26257	342.14550	12.92862	0.1333849	0.23486856	2.6016735	21	9 26.9	19.2
126664 2002 CV_{209}	15.2	X	350.21859	58.35426	30.53939	2.06062	0.0168499	0.19333279	2.9620954	21	—	—
126665 2002 CD_{210}	15.9	X	180.18483	51.49558	341.71507	2.36070	0.0861292	0.21301977	2.7766604	21	4 6.5	19.9
126666 2002 CO_{210}	15.8	X	331.41391	15.96190	105.18987	3.19530	0.0583551	0.19548884	2.9402758	21	—	—
126667 2002 CQ_{212}	15.8	X	215.00349	27.10086	325.24893	2.89266	0.1073464	0.21286409	2.7780141	21	3 22.6	20.1
126668 2002 CR_{212}	15.7	X	139.89768	140.91174	136.23651	2.21268	0.0968633	0.18977801	2.9989700	21	12 22.7	20.2
126669 2002 CV_{212}	15.1	X	7.32158	101.19606	159.19800	1.28761	0.1119713	0.16848631	3.2465814	21	6 17.1	18.9
126670 2002 CK_{214}	15.8	X	179.74854	210.38416	127.15096	6.04723	0.1202545	0.25472363	2.4646574	21	1 24.3	19.5
126671 2002 CJ_{215}	16.3	X	223.28641	110.75958	133.07450	1.97448	0.1466996	0.24488595	2.5302308	21	—	—
126672 2002 CL_{215}	16.4	X	184.82092	123.80468	143.73817	1.23303	0.0667252	0.24426324	2.5345292	21	—	—
126673 2002 CG_{216}	15.3	X	283.66823	100.07858	35.03611	2.35111	0.0426867	0.18998533	2.9967879	21	12 18.9	19.4
126674 2002 CR_{216}	15.5	X	295.11361	8.77911	126.94787	2.96386	0.0510758	0.19157507	2.9801861	21	—	—
126675 2002 CW_{217}	14.7	X	46.91471	155.39224	105.84176	2.74352	0.1558482	0.17114817	3.2128309	21	8 27.9	18.8
126676 2002 CD_{218}	15.1	X	69.50855	205.45755	40.72392	1.73910	0.1243593	0.17259353	3.1948690	21	9 3.7	19.4
126677 2002 CO_{218}	15.2	X	237.10304	140.59526	84.47564	3.16088	0.0470792	0.19439769	2.9512680	21	—	—
126678 2002 CS_{218}	15.6	X	352.86760	54.46002	46.07680	2.57389	0.0530194	0.19452916	2.9499382	21	—	—
126679 2002 CX_{218}	15.0	X	79.44197	253.95249	146.98545	2.54898	0.0891061	0.19834212	2.9120093	21	—	—
126680 2002 CD_{219}	15.9	X	202.14377	200.09673	73.90130	3.26170	0.0879892	0.24635544	2.5201590	21	—	—
126681 2002 CP_{219}	15.2	X	340.98163	76.26132	25.56266	2.01801	0.0447659	0.19245829	2.9710615	21	—	—
126682 2002 CZ_{219}	15.2	X	149.54041	308.12785	42.49112	2.98181	0.0605162	0.19922718	2.9033785	21	1 12.4	19.4
126683 2002 CW_{220}	15.3	X	131.25416	184.92117	161.18269	13.17104	0.1214130	0.24689961	2.5164547	21	—	—
126684 2002 CZ_{220}	16.2	X	280.03565	118.59915	148.49696	3.42200	0.1562525	0.25603275	2.4562489	21	2 2.7	19.9
126685 2002 CT_{221}	15.5	X	194.12788	334.23591	151.07334	6.58844	0.0954800	0.22488783	2.6780915	21	8 18.2	19.5
126686 2002 CC_{222}	15.5	X	77.97717	185.02976	137.62934	3.59626	0.0953289	0.19028767	2.9936128	21	12 13.7	19.8
126687 2002 CH_{222}	16.1	X	236.23570	31.28323	273.23160	0.52239	0.1871701	0.26000274	2.4311818	21	2 5.4	19.8
126688 2002 CW_{222}	15.7	X	47.76309	67.46202	263.31960	2.62540	0.1725798	0.23662342	2.5887945	21	12 7.1	19.1
126689 2002 CO_{224}	15.8	X	326.16772	115.04998	159.20909	2.16912	0.0254317	0.21450587	2.7638211	21	5 6.8	19.3
126690 2002 CQ_{225}	15.2	X	222.05165	284.59045	313.07204	13.90046	0.1200878	0.24418963	2.5350386	21	—	—
126691 2002 CW_{225}	16.1	X	135.51647	242.40054	163.95192	6.58904	0.0534254	0.21102603	2.7941220	21	3 1.6	20.0
126692 2002 CK_{227}	15.7	X	280.24464	176.41389	218.88586	5.21603	0.2321368	0.23211098	2.6222389	21	7 12.1	19.3
126693 2002 CZ_{227}	16.4	X	100.17233	67.99636	178.08976	8.88931	0.2013036	0.27972036	2.3155456	21	10 27.8	20.0
126694 2002 CO_{228}	15.7	X	144.86197	302.33415	253.84944	5.22892	0.2160904	0.22789491	2.6544811	21	9 26.7	20.3
126695 2002 CS_{228}	15.1	X	130.61099	93.29632	206.49452	7.00936	0.1223405	0.24120695	2.5558940	21	—	—
126696 2002 CJ_{229}	15.7	X	182.20236	2.96502	285.26468	0.67417	0.0690473	0.20000743	2.8958227	21	—	—
126697 2002 CW_{229}	15.5	X	250.10376	280.50807	355.78835	1.41538	0.0120137	0.20419098	2.8561324	21	2 3.9	19.5
126698 2002 CJ_{232}	15.0	X	108.80018	201.71722	321.65704	10.00661	0.1610248	0.21765191	2.7371235	21	7 13.7	19.2
126699 2002 CM_{232}	16.2	X	309.74364	184.21086	93.07473	3.37902	0.1627987	0.26349113	2.4096764	21	3 23.1	19.2
126700 2002 CU_{232}	15.5	X	29.40270	159.42291	82.28833	10.22326	0.0995642	0.21724337	2.7405540	21	6 26.9	18.6
126701 2002 CL_{233}	15.6	X	51.67572	331.44145	297.48918	6.01227	0.2685598	0.22435385	2.6823392	21	10 2.4	19.3
126702 2002 CV_{233}	15.4	X	93.62402	310.11940	173.72204	9.04045	0.1351033	0.21279887	2.7785817	21	5 1.5	19.2
126703 2002 CO_{239}	15.8	X	288.10612	169.13545	228.43579	1.27902	0.0674787	0.22693007	2.6619998	21	8 22.3	19.2
126704 2002 CV_{239}	16.0	X	180.40099	49.38119	184.77596	7.40261	0.1520499	0.23672081	2.5880843	21	12 16.2	20.1
126705 2002 CH_{240}	16.0	X	285.12390	298.46776	185.12970	8.97215	0.0710053	0.23885282	2.5726604	21	12 14.9	19.2
126706 2002 CT_{240}	16.0	X	221.80115	107.37907	169.72295	5.15255	0.0265514	0.25012796	2.4947549	21	—	—
126707 2002 CQ_{241}	15.0	X	254.52964	80.99174	312.98049	13.90258	0.0278537	0.22199948	2.7012705	21	7 10.5	18.7
126708 2002 CU_{241}	16.2	X	250.40591	256.23563	181.89759	5.03685	0.1841924	0.22966109	2.6408542	21	8 8.8	20.1
126709 2002 CB_{242}	16.1	X	185.32665	134.45974	313.72755	4.23581	0.1360417	0.22117087	2.7080131	21	6 21.5	20.4
126710 2002 CO_{242}	15.0	X	1.60993	229.64495	190.69955	9.83641	0.0766035	0.19164106	2.9795020	21	—	—
126711 2002 CZ_{242}	15.3	X	198.63167	318.38026	198.82584	9.34630	0.0534180	0.18105849	3.0944973	21	10 1.2	19.9
126712 2002 CE_{243}	16.1	X	95.83914	129.74306	338.58694	3.55478	0.1591341	0.21103203	2.7940691	21	4 14.1	19.9
126713 2002 CX_{243}	15.0	X	44.83512	15.16407	175.82281	4.18329	0.0356722	0.21282371	2.7783655	21	5 7.0	18.5
126714 2002 CU_{244}	15.3	X	234.65385	249.02903	178.69185	8.79750	0.0785129	0.22244775	2.6976403	21	7 20.0	19.3
126715 2002 CS_{245}	15.7	X	17.50809	325.50778	65.70319	6.12813	0.2823321	0.24367658	2.5385956	21	—	—
126716 2002 CF_{247}	16.1	X	93.11501	234.98006	350.72043	1.66426	0.0385086	0.22492178	2.6778220	21	8 28.9	19.7
126717 2002 CZ_{247}	14.5	X	123.71423	107.08711	65.10527	1.85995	0.1014849	0.16933314	3.2357484	21	8 1.8	19.4
126718 2002 CK_{248}	15.9	X	347.87290	252.42698	170.22925	5.16468	0.0526591	0.23840270	2.5758977	21	12 27.2	19.1
126719 2002 CC_{249}	6.6	X	0.31754	308.17508	248.58150	0.83420	0.1887874	0.00307493	46.8359068	21	4 6.4	22.4
126720 2002 CK_{251}	14.8	X	215.93009	190.65047	8.33000	13.17058	0.0900730	0.19183835	2.9774588	21	12 5.6	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126721 2002 CR_{251}	16.5	X	255.80223	44.54572	56.86154	6.70953	0.1141774	0.28500021	2.2868583	21	10 6.3	19.2
126722 2002 CG_{254}	15.2	X	45.24704	263.94630	112.22950	11.10339	0.1194104	0.19320418	2.9634097	21	—	—
126723 2002 CP_{255}	15.3	X	119.68766	349.34176	132.02764	13.77841	0.2113653	0.21686163	2.7437691	21	6 7.5	19.8
126724 2002 CB_{263}	15.2	X	82.52778	175.33378	59.62625	13.68574	0.1188167	0.22480446	2.6787536	21	9 16.1	19.2
126725 2002 CH_{263}	13.9	X	64.58918	162.66749	123.38281	29.38028	0.1846180	0.17674960	3.1445880	21	11 6.2	19.1
126726 2002 CJ_{263}	15.4	X	173.89153	175.25811	30.20797	18.26543	0.1082864	0.23353810	2.6115452	21	11 4.2	19.4
126727 2002 CK_{263}	15.5	X	230.52427	45.28247	31.96302	13.71531	0.1523424	0.22755448	2.6571279	21	7 25.9	19.8
126728 2002 CX_{267}	15.4	X	306.18464	103.29300	340.80601	13.77187	0.1623480	0.24274366	2.5450957	21	11 11.1	18.4
126729 2002 CN_{268}	15.8	X	257.08851	318.80012	88.13088	16.07886	0.1291289	0.22986277	2.6393094	21	7 15.2	19.5
126730 2002 CL_{270}	15.4	X	37.99973	288.24451	33.56066	1.27426	0.1394995	0.18213219	3.0823237	21	10 29.4	19.4
126731 2002 CT_{272}	15.4	X	12.36692	342.30705	98.26963	10.58458	0.0540731	0.24572302	2.5244813	21	—	—
126732 2002 CW_{272}	14.8	X	163.44065	191.40856	69.91807	11.60951	0.2898769	0.18394194	3.0620730	21	12 21.3	20.4
126733 2002 CX_{272}	15.3	X	149.29745	191.01624	89.35431	11.03571	0.1870223	0.23793613	2.5792639	21	—	—
126734 2002 CT_{282}	15.8	X	302.36767	346.71344	237.54364	1.13424	0.0279209	0.20573661	2.8418097	21	1 31.2	19.7
126735 2002 CD_{283}	16.1	X	210.95535	91.30976	320.46377	4.68448	0.0659629	0.22094504	2.7098581	21	6 2.9	20.1
126736 2002 CM_{283}	15.3	X	86.76344	143.98581	156.52213	1.39313	0.0911696	0.18394157	3.0620771	21	11 25.5	19.7
126737 2002 CE_{287}	15.5	X	241.80411	249.31699	128.38311	11.59381	0.0667977	0.21968891	2.7201778	21	5 29.2	19.6
126738 2002 CT_{288}	16.4	X	312.10204	222.14064	127.40696	7.20650	0.1340674	0.22743658	2.6580461	21	7 13.5	19.5
126739 2002 CR_{291}	15.1	X	345.49421	302.44629	150.30440	10.84735	0.0736821	0.19252906	2.9703333	21	—	—
126740 2002 CY_{296}	14.9	X	324.35133	220.44726	148.12029	5.73840	0.0730997	0.17589578	3.1547559	21	9 2.5	19.0
126741 2002 CY_{299}	15.2	X	292.30578	193.77958	141.32808	6.42002	0.1628034	0.17340050	3.1849490	21	5 24.0	19.7
126742 2002 CU_{304}	15.1	X	290.03548	263.70301	203.14930	9.37852	0.0521861	0.18841241	3.0134435	21	11 22.2	19.1
126743 2002 CQ_{305}	16.0	X	16.96200	18.15228	353.53621	5.51099	0.1997811	0.24341797	2.5403933	21	12 24.7	18.9
126744 2002 CW_{308}	14.8	X	289.63599	242.91766	111.43575	5.49567	0.1527936	0.17375736	3.1805867	21	6 14.3	19.3
126745 2002 CN_{311}	16.7	X	0.94928	249.64224	178.96251	3.25759	0.1545691	0.24535818	2.5269832	21	—	—
126746 2002 CO_{311}	16.3	X	359.91070	221.09199	175.41268	3.45698	0.0629706	0.23902511	2.5714240	21	12 11.7	19.5
126747 2002 CS_{311}	15.3	X	255.62910	22.24299	322.48934	11.48167	0.1636823	0.21647146	2.7470651	21	4 13.8	19.8
126748 Mariegerbet	15.3	X	272.65935	206.91952	345.47295	1.13793	0.0466193	0.19697812	2.9254368	21	—	—
126749 Johnjones	15.5	X	25.84423	40.07743	346.93876	15.16065	0.2967346	0.24540642	2.5266520	21	—	—
126750 2002 DX_{1}	15.3	X	297.90455	336.28026	62.33276	19.73355	0.1720392	0.23175821	2.6248992	21	9 5.6	18.8
126751 2002 DZ_{1}	15.1	X	257.77197	11.53247	93.12245	23.00516	0.0919151	0.23384471	2.6092620	21	10 20.9	19.1
126752 2002 DR_{3}	14.6	X	68.04961	145.77265	150.45205	11.88467	0.0785793	0.18006453	3.1058747	21	10 31.3	19.2
126753 2002 DN_{5}	14.9	X	338.55463	319.08000	275.79713	10.53047	0.1250028	0.21087961	2.7954152	21	3 14.3	18.6
126754 2002 DT_{6}	15.3	X	8.87211	136.83139	160.02188	7.90186	0.1064764	0.17332670	3.1858530	21	8 6.6	19.2
126755 2002 DH_{7}	15.5	X	296.30307	349.50097	32.29818	14.90792	0.1783956	0.23256314	2.6188390	21	8 2.2	19.0
126756 2002 DS_{7}	15.5	X	240.88717	91.90226	3.41420	17.36370	0.2401862	0.23362855	2.6108711	21	8 22.9	19.8
126757 2002 DX_{7}	15.6	X	257.26653	334.99789	75.06142	14.32388	0.1511488	0.22958968	2.6414018	21	7 17.2	19.5
126758 2002 DR_{9}	15.6	X	269.13818	332.11481	85.82850	16.16335	0.0994236	0.23063904	2.6333839	21	8 25.4	19.4
126759 2002 DT_{9}	15.5	X	280.59285	347.32073	42.32754	14.88612	0.1120282	0.22874195	2.6479239	21	7 30.1	19.3
126760 2002 DS_{10}	16.1	X	318.63324	146.55651	320.18552	1.61463	0.0999219	0.24162441	2.5529492	21	—	—
126761 2002 DW_{10}	15.3	X	267.64753	43.78459	41.01690	17.70695	0.1508686	0.23495846	2.6010098	21	9 24.5	18.9
126762 2002 DC_{11}	14.9	X	261.42004	317.23138	21.31377	25.73248	0.1293961	0.21694331	2.7430804	21	4 18.3	19.0
126763 2002 DN_{11}	15.7	X	111.22941	289.71334	320.06912	2.69396	0.0612280	0.23150711	2.6267969	21	10 23.7	19.3
126764 2002 DB_{12}	15.9	X	28.49755	86.02995	173.63434	2.06031	0.2049247	0.27028343	2.3691348	21	8 6.8	17.7
126765 2002 DF_{12}	16.4	X	207.42064	37.80713	206.41282	1.31896	0.0697005	0.24461341	2.5321098	21	—	—
126766 2002 DJ_{12}	14.7	X	251.13422	22.93093	107.69226	12.57380	0.0073074	0.18346443	3.0673839	21	11 10.9	19.2
126767 2002 DM_{12}	15.8	X	238.56787	48.12310	7.74848	8.32126	0.1326039	0.27811655	2.3244390	21	7 5.8	19.1
126768 2002 DC_{13}	15.6	X	181.58797	283.60314	193.81165	1.61651	0.0253585	0.22261306	2.6963047	21	7 26.1	19.2
126769 2002 DE_{13}	15.2	X	134.31839	133.52674	139.36974	2.44282	0.1496268	0.18405830	3.0607823	21	12 13.2	20.1
126770 2002 DY_{14}	16.6	X	259.37111	253.36630	187.09252	3.49648	0.0749597	0.23156059	2.6263924	21	9 8.7	20.1
126771 2002 DU_{15}	15.5	X	178.00017	19.04781	309.40876	7.14407	0.1633881	0.25338293	2.4733437	21	1 15.4	19.4
126772 2002 DE_{16}	15.8	X	24.33553	343.80836	103.57791	2.79654	0.0910601	0.19850316	2.9104341	21	—	—
126773 2002 DG_{16}	15.1	X	252.23176	166.41804	85.06432	17.97320	0.0642588	0.20286133	2.8685992	21	1 2.7	19.4
126774 2002 DA_{17}	14.6	X	168.21398	152.93058	65.14052	15.51991	0.0376793	0.18461843	3.0545883	21	11 13.8	19.0
126775 2002 DU_{17}	16.5	X	75.24576	287.58905	155.35814	6.16054	0.1236359	0.25645605	2.4535453	21	1 25.5	19.2
126776 2002 EJ_{3}	15.5	X	34.93314	252.61504	190.33864	1.43456	0.0255174	0.19768428	2.9184659	21	—	—
126777 2002 EN_{3}	15.7	X	56.81930	318.75544	347.69602	2.23227	0.1096146	0.23067593	2.6331031	21	11 6.4	19.2
126778 2002 EV_{3}	16.7	X	195.08551	251.38848	340.93532	3.72890	0.1716188	0.23845869	2.5754944	21	12 26.5	20.7
126779 2002 EC_{6}	15.3	X	44.54176	242.53935	145.17395	12.77360	0.1578802	0.19160227	2.9799040	21	—	—
126780 Ivovasiljev	15.3	X	116.06969	101.71196	175.70190	1.42460	0.1126305	0.18393592	3.0621398	21	11 30.2	20.1
126781 2002 EA_{11}	16.0	X	331.51484	321.99693	270.34403	1.48469	0.1555727	0.25674309	2.4517163	21	2 20.3	18.8
126782 2002 ED_{12}	15.5	X	285.55712	86.82288	7.55200	15.18867	0.1094797	0.23507187	2.6001732	21	10 26.4	18.7
126783 2002 EF_{13}	16.0	X	149.82677	312.00357	35.03875	2.36550	0.0750601	0.20298734	2.8674119	21	1 9.2	20.1
126784 2002 EQ_{14}	16.3	X	66.48628	211.57688	294.80605	1.08910	0.0936807	0.21217051	2.7840649	21	4 13.7	19.8
126785 2002 EH_{15}	16.4	X	135.30876	261.49403	172.17104	5.68589	0.1020656	0.26371660	2.4083027	21	4 6.4	19.5
126786 2002 EN_{15}	16.7	X	62.84062	19.09454	175.46564	1.12229	0.1257790	0.26755351	2.3852228	21	6 17.1	19.1
126787 2002 EA_{19}	15.4	X	15.94425	230.96918	294.92009	8.08171	0.0686567	0.20624754	2.8371145	21	2 18.5	19.0
126788 2002 EH_{19}	15.4	X	217.05344	265.10532	296.86460	13.36787	0.1074420	0.23879909	2.5730463	21	12 20.2	19.1
126789 2002 EV_{19}	15.9	X	152.36273	68.59497	150.22830	7.23768	0.0832103	0.23156630	2.6263492	21	11 3.9	19.9
126790 2002 EY_{19}	15.6	X	163.12251	88.60275	13.78059	4.78048	0.0815188	0.21825629	2.7320682	21	6 15.2	19.6
126791 2002 EG_{20}	16.4	X	357.30760	64.43292	171.88012	1.63340	0.1423726	0.26081034	2.4261604	21	4 15.1	18.7
126792 2002 EK_{21}	15.5	X	28.08656	310.82320	315.19837	4.07989	0.1184807	0.21922137	2.7240440	21	8 1.1	18.6
126793 2002 EN_{21}	16.3	X	216.36886	174.24406	47.59523	4.76540	0.0734281	0.24143583	2.5542784	21	—	—
126794 2002 EV_{22}	15.5	X	302.94358	247.57592	221.40357	8.79771	0.0891080	0.23765699	2.5812832	21	12 20.3	18.6
126795 2002 EE_{24}	15.3	X	134.23555	272.22978	353.29009	1.43216	0.0609993	0.18479387	3.0526546	21	12 1.5	20.0
126796 2002 EX_{24}	16.5	X	162.98693	172.36496	104.87493	0.69504	0.0693537	0.24088731	2.5581545	21	—	—
126797 2002 EB_{26}	15.9	X	156.78585	5.98485	291.86765	2.73668	0.1518387	0.24318005	2.5420500	21	—	—
126798 2002 EV_{26}	16.3	X	227.26909	287.79713	350.56076	5.11672	0.1031959	0.25487580	2.4636763	21	—	—
126799 2002 EG_{27}	15.6	X	257.73474	120.31717	177.13930	1.85595	0.0424488	0.20713612	2.8289948	21	3 7.1	19.4
126800 2002 EP_{27}	15.2	X	335.52653	272.58716	168.70526	10.22382	0.0482802	0.18881343	3.0091751	21	12 21.8	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126801 2002 EC_{29}	16.1	X	172.33115	114.19532	68.95895	1.98265	0.0504676	0.22973718	2.6402711	21	10 10.6	19.9
126802 2002 EE_{29}	15.9	X	29.29499	66.37157	174.86499	5.64313	0.0904325	0.21620446	2.7493263	21	6 25.2	19.2
126803 2002 EV_{29}	16.2	X	60.88806	203.25951	46.68284	1.67876	0.1074214	0.22158603	2.7046296	21	8 29.3	19.6
126804 2002 EA_{30}	15.8	X	87.48264	133.84274	84.41607	2.35189	0.1629191	0.22046027	2.7138291	21	8 29.9	19.7
126805 2002 EN_{35}	16.0	X	134.54397	348.15384	272.45028	1.73097	0.1360692	0.18412090	3.0600885	21	11 28.6	20.9
126806 2002 ED_{39}	15.5	X	189.75947	304.85678	17.92762	2.04468	0.0601003	0.20325787	2.8648670	21	1 22.4	19.7
126807 2002 ES_{39}	15.0	X	180.48559	3.74476	359.72134	3.75349	0.1888514	0.25625206	2.4548473	21	3 2.6	18.9
126808 2002 ED_{40}	15.3	X	225.37372	5.23990	358.93947	3.10043	0.1083419	0.21236854	2.7823340	21	4 16.9	19.4
126809 2002 EW_{40}	15.3	X	1.70281	104.64954	1.14966	5.70162	0.0725011	0.19488072	2.9463893	21	—	—
126810 2002 EC_{41}	15.7	X	267.00895	68.27513	219.87303	1.09929	0.1614992	0.25786743	2.4445845	21	2 14.8	19.5
126811 2002 ET_{42}	14.9	X	66.78600	358.46063	350.13506	8.66431	0.1927023	0.23884023	2.5727508	21	—	—
126812 2002 EQ_{43}	15.5	X	243.13852	177.16080	331.92910	1.42731	0.1407755	0.18548400	3.0450779	21	10 31.7	20.0
126813 2002 EA_{44}	16.2	X	309.49853	215.61887	286.06264	1.39627	0.0672662	0.24404316	2.5360528	21	—	—
126814 2002 EE_{44}	15.5	X	111.94420	44.01038	80.80640	8.81561	0.1766778	0.21328327	2.7743731	21	5 29.1	19.5
126815 2002 EE_{45}	15.8	X	96.31969	317.92808	309.24304	5.07415	0.2397592	0.22718654	2.6599960	21	11 12.9	20.2
126816 2002 EU_{45}	16.2	X	25.27853	29.99572	241.16808	1.81355	0.1455101	0.21915145	2.7246234	21	8 5.9	19.1
126817 2002 EZ_{51}	16.0	X	248.01131	311.00764	141.80979	3.99373	0.0542809	0.22945125	2.6424641	21	9 14.9	19.4
126818 2002 EE_{52}	15.8	X	88.45825	218.26828	1.47500	8.87707	0.1883143	0.22162008	2.7043525	21	9 5.9	19.7
126819 2002 ET_{52}	15.5	X	323.67194	208.04763	125.46907	2.68610	0.0945560	0.22182605	2.7026783	21	7 15.2	18.4
126820 2002 EF_{53}	15.5	X	288.01161	255.75662	224.79532	3.82815	0.0515498	0.18931812	3.0038247	21	12 5.9	19.4
126821 2002 EC_{55}	14.8	X	155.56732	251.17892	6.26579	10.61571	0.2310108	0.23213101	2.6220881	21	12 18.1	19.5
126822 2002 EQ_{55}	15.9	X	107.34570	27.95293	298.04990	2.06325	0.0381575	0.24367081	2.5386357	21	—	—
126823 2002 EL_{56}	15.4	X	155.09670	32.04318	229.48231	2.94555	0.0254499	0.18984736	2.9982396	21	12 20.2	19.8
126824 2002 ES_{56}	15.4	X	193.01705	74.90766	184.07934	6.44820	0.0429341	0.19404946	2.9547977	21	—	—
126825 2002 EK_{57}	15.8	X	112.01221	114.68552	189.08690	2.04811	0.0891271	0.23939203	2.5687958	21	—	—
126826 2002 EL_{58}	15.6	X	9.20389	134.79222	192.55862	2.20872	0.0965235	0.22828445	2.6514605	21	9 23.6	18.4
126827 2002 EL_{59}	16.1	X	210.81378	20.50645	213.68073	3.08362	0.1160018	0.24197808	2.5504611	21	—	—
126828 2002 ER_{59}	16.2	X	219.93083	248.40177	203.41182	2.69453	0.0639585	0.22562319	2.6722693	21	8 5.6	19.9
126829 2002 EB_{61}	16.0	X	317.54982	342.06995	277.03284	2.43242	0.0452630	0.21037484	2.7998849	21	3 31.6	19.7
126830 2002 ES_{61}	15.9	X	209.56492	301.26674	317.53149	3.29882	0.0610054	0.24535778	2.5269860	21	—	—
126831 2002 EF_{62}	16.7	X	272.42960	314.28376	298.41946	1.25003	0.1328092	0.25240425	2.4797331	21	1 11.2	20.3
126832 2002 EO_{62}	15.9	X	217.91666	108.31500	308.34100	4.18142	0.0603765	0.21977172	2.7194945	21	6 18.7	19.8
126833 2002 EZ_{62}	16.8	X	143.11124	84.86209	175.96927	3.69351	0.2609869	0.23291156	2.6162266	21	12 13.6	21.4
126834 2002 EO_{63}	15.5	X	54.69754	110.03507	181.00751	3.71721	0.0658579	0.17731768	3.1378682	21	10 2.4	19.9
126835 2002 EE_{64}	15.8	X	328.89296	57.04186	338.32053	4.94804	0.0440827	0.23176489	2.6248488	21	10 20.5	19.1
126836 2002 EP_{64}	16.1	X	151.27741	75.90592	191.62907	6.04475	0.2393547	0.23508284	2.6000923	21	12 26.9	20.7
126837 2002 ER_{64}	16.0	X	224.08390	216.71667	329.09015	4.13362	0.0780474	0.23753399	2.5821742	21	12 10.8	19.6
126838 2002 EZ_{64}	15.4	X	213.76339	326.37993	278.92606	0.87242	0.0675468	0.19254324	2.9701875	21	—	—
126839 2002 EM_{65}	16.1	X	278.68243	294.85333	190.26984	2.89983	0.1244863	0.23835156	2.5762661	21	11 30.4	19.1
126840 2002 EP_{65}	15.6	X	119.15815	127.77451	183.84874	10.96292	0.0456367	0.18891786	3.0080661	21	—	—
126841 2002 ED_{66}	15.2	X	282.03708	177.07112	186.89541	9.00539	0.0821972	0.21993066	2.7181841	21	6 25.9	19.0
126842 2002 EF_{66}	15.9	X	64.03560	48.35625	318.37939	2.97151	0.0790102	0.24045639	2.5612099	21	—	—
126843 2002 EV_{66}	15.5	X	193.49782	202.98302	198.37514	3.00728	0.1085478	0.21387256	2.7692745	21	5 2.0	19.8
126844 2002 EA_{67}	15.3	X	300.08113	323.35920	186.40322	9.52735	0.0348203	0.19210487	2.9747043	21	—	—
126845 2002 EX_{67}	16.2	X	172.53516	318.97523	197.76991	2.01004	0.0845953	0.22581799	2.6707323	21	9 4.3	20.0
126846 2002 EN_{69}	15.2	X	149.33352	26.86653	190.82442	13.15297	0.1054776	0.22985167	2.6393943	21	10 29.3	19.3
126847 2002 EJ_{70}	15.9	X	229.38544	132.52944	0.00867	4.47808	0.0505763	0.23049767	2.6344605	21	10 12.1	19.6
126848 2002 EL_{70}	14.6	X	179.51698	94.41921	159.66276	1.61606	0.0603676	0.18806572	3.0171458	21	—	—
126849 2002 EF_{72}	16.2	X	277.84172	73.89449	11.17531	2.96938	0.0516450	0.23078164	2.6322989	21	10 14.3	19.4
126850 2002 EE_{73}	15.8	X	187.04473	331.84261	231.17877	2.84977	0.1016401	0.23300756	2.6155079	21	11 17.5	19.7
126851 2002 EF_{73}	15.1	X	129.03088	148.13960	356.01508	11.87454	0.0592902	0.21718842	2.7410162	21	6 30.0	19.2
126852 2002 EV_{73}	14.9	X	299.11061	268.04894	220.66038	4.70217	0.0689553	0.18822367	3.0154576	21	12 28.7	18.9
126853 2002 EJ_{74}	14.4	X	185.24771	20.93690	190.43175	16.53225	0.0597205	0.18228408	3.0806112	21	11 22.9	19.2
126854 2002 ES_{74}	15.9	X	201.87198	232.51077	356.09194	3.42939	0.2204088	0.23619005	2.5919601	21	12 23.5	19.9
126855 2002 EB_{75}	15.9	X	158.24101	253.73759	287.23572	2.57716	0.0061845	0.22607646	2.6686963	21	9 18.2	19.5
126856 2002 EL_{75}	16.1	X	196.96246	104.87026	339.46579	3.93116	0.0782953	0.22125518	2.7073252	21	6 30.1	20.1
126857 2002 EH_{78}	15.7	X	250.15142	70.47951	77.77707	0.50503	0.2570790	0.18598108	3.0396497	21	10 24.4	20.1
126858 2002 EQ_{78}	16.0	X	315.29957	94.18991	287.36059	2.32838	0.1060368	0.22964522	2.6409760	21	9 6.4	18.9
126859 2002 ET_{78}	14.8	X	267.37543	311.17175	195.60479	9.34249	0.0651447	0.19044244	2.9919906	21	12 9.9	19.0
126860 2002 EO_{79}	15.4	X	49.89095	27.84607	211.98262	9.86807	0.2106635	0.21615271	2.7497651	21	8 10.7	18.9
126861 2002 EC_{81}	16.2	X	145.60068	121.64536	328.63675	2.98880	0.0589935	0.21513637	2.7584185	21	5 7.8	20.1
126862 2002 EP_{83}	15.1	X	217.45681	343.79765	29.01173	4.44537	0.1149586	0.21327226	2.7744686	21	4 19.9	19.3
126863 2002 EU_{83}	15.1	X	249.43418	14.03960	103.86333	3.25570	0.0477186	0.18128308	3.0919411	21	10 15.2	19.4
126864 2002 EK_{84}	15.2	X	333.98532	29.92122	47.37270	1.83191	0.0446757	0.18808449	3.0169450	21	12 14.2	19.1
126865 2002 EL_{84}	15.6	X	70.36724	19.49419	39.37406	2.71440	0.0917244	0.19955131	2.9002337	21	—	—
126866 2002 EP_{85}	15.4	X	2.53766	210.44529	40.23757	3.37605	0.1596645	0.21219651	2.7838376	21	5 22.1	18.2
126867 2002 ES_{85}	15.9	X	307.81578	104.68617	1.64214	14.01082	0.1158447	0.23932575	2.5692701	21	12 24.9	19.0
126868 2002 EW_{85}	15.9	X	89.71343	8.01013	124.33362	3.28806	0.1548242	0.26300811	2.4126257	21	5 5.4	18.8
126869 2002 EZ_{85}	15.7	X	87.24158	27.14859	123.66725	2.67220	0.1500011	0.21352196	2.7723051	21	5 29.3	19.3
126870 2002 EV_{86}	15.6	X	187.57022	80.03300	108.97412	2.86115	0.1005037	0.23093263	2.6311515	21	11 1.6	19.6
126871 2002 EM_{87}	15.1	X	169.71630	45.95150	149.10934	1.52079	0.1237172	0.17980199	3.1088974	21	10 15.4	19.9
126872 2002 EG_{88}	15.8	X	261.25981	316.72016	169.40364	4.90817	0.1468253	0.23486505	2.6016994	21	11 2.7	19.0
126873 2002 EH_{88}	15.1	X	218.71457	66.67917	152.90858	1.82183	0.1381570	0.18767074	3.0213776	21	12 29.2	19.7
126874 2002 EY_{88}	16.1	X	324.96939	45.29943	84.74601	3.20170	0.0650062	0.24330286	2.5411945	21	—	—
126875 2002 EG_{89}	14.7	X	304.02297	331.07830	239.82547	6.01012	0.1517093	0.19938191	2.9018762	21	1 1.1	18.9
126876 2002 EE_{90}	15.2	X	87.66463	218.81098	110.79905	2.19146	0.0286392	0.18810642	3.0167105	21	12 24.4	19.4
126877 2002 EZ_{90}	15.9	X	209.68095	139.65497	120.45754	3.18400	0.1276812	0.24390140	2.5370354	21	—	—
126878 2002 ES_{91}	15.5	X	158.03817	306.96166	245.61122	4.36406	0.1535080	0.22749078	2.6576239	21	10 3.4	19.7
126879 2002 EJ_{94}	16.3	X	292.46529	118.53207	151.80649	1.67299	0.1527946	0.25784204	2.4447450	21	2 20.6	19.7
126880 2002 EX_{94}	16.1	X	346.55918	280.22375	92.33144	2.89322	0.0481088	0.23163337	2.6258422	21	10 19.5	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126881 2002 EH_{96}	16.2	X	297.25285	296.61845	145.07803	3.06315	0.1198742	0.23580596	2.5947739	21	11 1.9	19.2
126882 2002 EH_{97}	15.0	X	25.97709	50.38735	157.32958	8.59111	0.1552356	0.20928632	2.8095849	21	5 10.2	18.1
126883 2002 EM_{98}	15.9	X	188.43692	242.62763	227.89483	3.25416	0.2197272	0.22418501	2.6836858	21	7 20.5	20.5
126884 2002 ET_{98}	15.5	X	300.60669	338.38763	3.40407	6.93556	0.0491828	0.21787294	2.7352720	21	6 27.9	19.1
126885 2002 EZ_{98}	15.0	X	252.32873	252.32280	196.83341	11.21002	0.0339305	0.17650229	3.1475247	21	9 10.6	19.6
126886 2002 EF_{99}	15.6	X	169.30091	145.74264	3.01112	11.20646	0.1861522	0.22339284	2.6900265	21	8 25.5	20.1
126887 2002 EM_{99}	15.8	X	221.22326	344.88468	236.05315	4.30719	0.1030585	0.24415965	2.5352461	21	—	—
126888 Tspitzer	16.2	X	230.96965	358.23951	224.19353	7.95142	0.1220882	0.24340026	2.5405165	21	—	—
126889 2002 EW_{101}	15.1	X	130.70848	274.62900	24.06376	13.28294	0.1753979	0.23939818	2.5687519	21	—	—
126890 2002 EZ_{101}	15.6	X	248.36143	337.09291	112.11127	13.92118	0.0750734	0.22929948	2.6436300	21	9 11.6	19.4
126891 2002 EK_{103}	14.9	X	261.56222	21.63480	121.92408	11.24124	0.0652424	0.18779685	3.0200248	21	11 30.1	19.2
126892 2002 EL_{103}	15.7	X	273.38177	53.56725	50.42589	8.36033	0.1604183	0.23624384	2.5915667	21	10 20.3	18.8
126893 2002 EL_{104}	15.3	X	39.77680	153.85704	60.68999	12.77848	0.0721555	0.21466547	2.7624510	21	6 2.1	18.7
126894 2002 EW_{104}	15.5	X	178.26075	279.01760	26.20569	6.11988	0.2298820	0.24548825	2.5260905	21	—	—
126895 2002 EF_{105}	15.3	X	34.01409	271.35505	14.88952	12.93268	0.1123296	0.22447520	2.6813724	21	9 12.7	18.6
126896 2002 EB_{106}	14.7	X	86.08759	147.26796	67.69277	9.01222	0.0461488	0.17019926	3.2247616	21	8 6.6	19.3
126897 2002 EB_{107}	14.6	X	169.40442	187.36814	54.54548	9.67450	0.0665434	0.18613441	3.0379802	21	12 9.9	19.3
126898 2002 EK_{107}	15.0	X	62.38409	225.47163	90.94407	10.53026	0.0724335	0.18143583	3.0902053	21	11 16.1	19.4
126899 2002 ES_{107}	16.2	X	275.02199	129.59416	304.59408	3.37282	0.1584278	0.23148582	2.6269580	21	9 8.0	19.5
126900 2002 EL_{108}	16.5	X	146.40748	104.72626	122.97206	2.41008	0.0650539	0.23329467	2.6133616	21	11 7.1	20.2
126901 Craigstevens	15.6	X	241.71748	66.44096	86.21091	3.73463	0.0317529	0.23505653	2.6002863	21	11 27.6	19.0
126902 2002 EJ_{110}	15.4	X	38.02821	150.94415	116.54474	6.21440	0.1249710	0.21987194	2.7186681	21	8 22.2	18.6
126903 2002 EX_{110}	15.8	X	259.37369	305.30031	150.65577	11.45090	0.1290619	0.23072090	2.6327610	21	9 24.3	19.3
126904 2002 EN_{111}	15.1	X	109.27409	193.60544	25.90133	13.83972	0.1471003	0.22376876	2.6870129	21	9 25.7	19.2
126905 Junetveekrem	14.9	X	335.03748	47.37097	73.25331	11.36885	0.0667764	0.19156214	2.9803202	21	—	—
126906 2002 EX_{114}	14.3	X	211.89501	124.95071	54.48640	8.12424	0.0951356	0.18312475	3.0711759	21	11 9.2	18.9
126907 2002 EQ_{115}	15.3	X	286.91203	334.87985	47.57848	6.61496	0.0445855	0.22224846	2.6992527	21	8 6.2	18.9
126908 2002 EV_{115}	14.9	X	228.86181	189.45351	134.06017	9.52359	0.0785400	0.20444120	2.8538015	21	3 6.7	19.3
126909 2002 EK_{119}	15.9	X	169.27368	111.68804	324.81051	6.60194	0.0329074	0.21521704	2.7577291	21	5 15.5	20.0
126910 2002 EX_{121}	16.5	X	277.86572	262.52234	134.66369	4.32437	0.1753304	0.22978838	2.6398789	21	7 21.3	20.0
126911 2002 EM_{122}	15.6	X	39.07391	170.61811	209.46455	0.30722	0.1124342	0.18887583	3.0085123	21	—	—
126912 2002 EQ_{122}	14.8	X	15.52623	15.05358	338.36416	11.78490	0.1067698	0.18199575	3.0838640	21	10 27.1	18.9
126913 2002 EN_{123}	16.6	X	336.34558	267.86159	164.51877	3.99856	0.0848988	0.23869133	2.5738207	21	12 25.2	19.5
126914 2002 EQ_{125}	15.3	X	84.06759	327.74429	101.09055	3.46352	0.0585838	0.20056102	2.8904915	21	1 26.9	19.0
126915 2002 EV_{125}	15.7	X	271.65029	20.69118	163.19354	14.23752	0.2098732	0.24050358	2.5608749	21	—	—
126916 2002 EF_{127}	15.8	X	110.64975	209.76399	98.69159	1.82168	0.1158406	0.24049612	2.5609278	21	—	—
126917 2002 EE_{128}	15.4	X	193.59756	210.49884	79.70168	3.16933	0.0975434	0.19774625	2.9178562	21	—	—
126918 2002 EG_{129}	15.8	X	123.99021	127.05991	357.07466	4.94348	0.0439915	0.21463294	2.7627301	21	5 23.8	19.7
126919 2002 ES_{131}	15.7	X	60.45788	354.81140	3.08208	5.65644	0.1084145	0.23871670	2.5736383	21	—	—
126920 2002 EV_{131}	15.4	X	60.14829	289.36853	21.84718	1.90811	0.0173128	0.18099717	3.0951963	21	10 27.4	19.7
126921 2002 ED_{133}	16.4	X	2.43083	66.02421	205.93320	2.19176	0.1263752	0.21597247	2.7512948	21	6 23.3	19.4
126922 2002 EG_{133}	15.5	X	88.05284	256.11618	180.29648	1.88681	0.0450471	0.20295105	2.8677537	21	2 7.5	19.2
126923 2002 EC_{135}	16.1	X	225.78745	78.42334	172.18885	4.07330	0.0866203	0.24520106	2.5280626	21	—	—
126924 2002 EJ_{135}	16.1	X	79.68397	48.26249	201.61476	7.19185	0.1641534	0.22275776	2.6951368	21	9 28.9	20.0
126925 2002 EV_{136}	15.8	X	263.81233	319.76300	2.37210	3.57826	0.0916906	0.21100295	2.7943258	21	4 7.7	19.7
126926 2002 EZ_{136}	15.9	X	355.58242	250.98674	145.45486	1.72016	0.0470673	0.23593437	2.5938324	21	12 3.1	18.9
126927 2002 EE_{137}	15.9	X	25.78871	231.54318	145.90272	6.29740	0.2187290	0.23865689	2.5740683	21	—	—
126928 2002 EQ_{137}	15.1	X	154.16256	327.11928	265.20902	6.33263	0.1273455	0.18283492	3.0744206	21	11 12.4	20.0
126929 2002 ER_{138}	15.5	X	181.01546	317.09518	31.21875	2.29232	0.0755754	0.20301282	2.8671720	21	2 13.9	19.8
126930 2002 EA_{143}	15.9	X	301.72088	7.02646	131.91164	2.03371	0.0937289	0.19216024	2.9741329	21	—	—
126931 2002 EU_{143}	15.7	X	3.38918	22.06275	308.87485	2.89954	0.1093303	0.22913848	2.6448682	21	9 18.8	18.6
126932 2002 EX_{144}	15.8	X	121.91981	156.72803	105.09054	7.61925	0.2397878	0.22802636	2.6534608	21	11 29.6	20.5
126933 2002 EK_{145}	16.0	X	262.96840	104.23940	357.22969	7.99765	0.0806227	0.23132271	2.6281926	21	10 9.7	19.5
126934 2002 EF_{146}	16.4	X	330.69324	124.06387	160.02709	2.39265	0.1991966	0.26583149	2.3955124	21	4 27.9	18.6
126935 2002 EN_{146}	15.5	X	107.76035	156.71326	118.95711	4.17325	0.1064366	0.23151545	2.6267338	21	11 26.9	19.4
126936 2002 EG_{149}	15.5	X	208.48919	20.74011	189.03729	9.34670	0.0583384	0.18853585	3.0121280	21	12 15.9	20.0
126937 2002 EZ_{152}	14.9	X	17.06095	232.53378	284.09972	10.70385	0.1290989	0.20584176	2.8408418	21	2 5.2	18.2
126938 2002 EC_{153}	14.7	X	160.87032	323.09832	267.10282	8.63619	0.0484349	0.18468078	3.0539007	21	11 17.1	19.3
126939 2002 EM_{153}	15.1	X	84.09466	237.49432	24.06798	2.38027	0.1583458	0.17355578	3.1830490	21	10 13.4	19.6
126940 2002 FJ	15.9	X	224.08674	140.56437	2.28873	3.63704	0.1504216	0.23153463	2.6265888	21	10 7.3	19.7
126941 2002 FL	15.2	X	226.13491	350.86096	154.93732	7.82351	0.2988444	0.23233269	2.6205705	21	9 30.7	19.6
126942 2002 FP	15.3	X	331.38400	96.90192	228.91724	4.20120	0.0251672	0.21988812	2.7185347	21	7 21.6	18.9
126943 2002 FX	14.9	X	163.50137	181.08186	50.19328	0.69073	0.1278919	0.18174715	3.0866756	21	11 20.4	19.9
126944 2002 FN_{1}	14.9	X	56.35486	147.95344	101.36889	15.78925	0.1172914	0.22211381	2.7003435	21	8 27.7	18.6
126945 2002 FE_{2}	15.6	X	37.73351	186.81414	25.95825	4.53957	0.1377171	0.21172449	2.7879736	21	6 3.5	18.8
126946 2002 FF_{2}	15.3	X	111.84505	56.55809	185.21268	7.34078	0.2122733	0.22475722	2.6791290	21	10 27.5	19.7
126947 2002 FP_{3}	15.2	X	331.01005	25.91573	109.43468	3.49372	0.0658751	0.19531317	2.9420385	21	—	—
126948 2002 FX_{3}	14.6	X	228.35210	303.60473	154.52471	20.64456	0.0472290	0.17457247	3.1706786	21	8 23.7	19.3
126949 2002 FL_{5}	15.6	X	306.65951	81.65285	256.25280	4.22140	0.0611959	0.21881977	2.7273760	21	6 28.9	19.0
126950 2002 FR_{6}	15.3	X	13.06119	260.43140	8.86645	5.79782	0.1966447	0.21395185	2.7685902	21	7 16.2	17.9
126951 2002 FQ_{8}	15.6	X	175.46065	48.48140	190.53661	10.69115	0.2217140	0.23507566	2.6001452	21	12 13.6	20.1
126952 2002 FR_{8}	16.0	X	198.14209	322.22798	302.14955	3.58205	0.2334571	0.24121118	2.5558641	21	—	—
126953 2002 FM_{9}	16.0	X	273.45213	195.96085	280.07418	4.91543	0.1554653	0.23686874	2.5870067	21	11 2.7	19.0
126954 2002 FN_{10}	15.3	X	100.08760	197.91485	18.22371	8.52221	0.1915169	0.22233041	2.6985894	21	9 14.6	19.4
126955 2002 FQ_{10}	15.3	X	34.03364	110.84571	137.25119	9.59316	0.1107160	0.21773495	2.7364275	21	7 14.9	18.6
126956 2002 FU_{11}	16.4	X	31.07507	191.43060	164.77128	2.21878	0.1702321	0.23614657	2.5922783	21	12 17.9	19.6
126957 2002 FQ_{13}	15.5	X	201.52978	353.84397	80.83552	15.33165	0.2267380	0.22323773	2.6912724	21	6 17.1	20.0
126958 2002 FV_{13}	14.7	X	261.57528	97.07239	96.32989	12.00324	0.0394076	0.19257671	2.9698434	21	—	—
126959 2002 FX_{14}	15.7	X	178.96478	92.38778	14.56423	14.35479	0.0711836	0.22273946	2.6952844	21	7 12.1	20.0
126960 2002 FZ_{14}	15.3	X	69.09685	166.40079	118.61386	15.00723	0.0398447	0.22932099	2.6434647	21	10 22.9	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126961 2002 FL_{15}	15.0	X	284.33871	44.46785	106.86836	10.96978	0.0752835	0.19079046	2.9883510	21	—	—
126962 2002 FF_{16}	15.1	X	223.31675	247.25401	203.07628	12.89747	0.0853980	0.22185677	2.7024288	21	8 2.4	19.4
126963 2002 FG_{16}	15.5	X	202.79520	87.04669	7.27328	5.21952	0.0291990	0.21865770	2.7287235	21	7 23.9	19.4
126964 2002 FV_{16}	15.4	X	351.92685	220.56108	31.57909	9.21139	0.1986588	0.26226776	2.4171640	21	4 21.3	17.3
126965 2002 FJ_{18}	16.3	X	270.68216	160.45709	130.38477	3.33372	0.1899661	0.25847841	2.4407307	21	2 20.1	20.0
126966 2002 FB_{20}	15.8	X	170.33547	37.38878	64.18525	6.32095	0.0231165	0.21864257	2.7288494	21	6 20.6	19.6
126967 2002 FR_{20}	14.8	X	230.49786	1.19166	127.92562	14.42320	0.0231132	0.17906078	3.1174709	21	10 13.4	19.5
126968 2002 FV_{20}	15.2	X	177.47578	7.43057	72.49074	16.10458	0.0550858	0.22089370	2.7102779	21	6 1.8	19.1
126969 2002 FX_{20}	15.5	X	198.93203	346.51110	80.44630	15.50691	0.1590153	0.22309325	2.6924342	21	6 7.5	19.7
126970 2002 FZ_{21}	15.1	X	35.59846	122.43552	130.60531	9.37910	0.1519312	0.21614383	2.7498404	21	7 30.5	18.2
126971 2002 FH_{22}	15.6	X	112.36056	123.46373	130.79363	14.45223	0.0539539	0.22975192	2.6401582	21	11 5.9	19.6
126972 2002 FO_{22}	15.2	X	245.20020	234.64522	41.87104	16.01001	0.1598000	0.25222359	2.4809171	21	1 15.2	19.5
126973 2002 FR_{22}	14.9	X	172.51355	80.66227	149.46150	12.40749	0.2390637	0.23065718	2.6332458	21	12 1.8	19.7
126974 2002 FV_{22}	14.9	X	114.57957	238.53664	60.63303	11.75393	0.2360942	0.23631639	2.5910363	21	—	—
126975 2002 FB_{23}	16.0	X	242.15653	90.21259	208.10350	1.38430	0.0402151	0.20309324	2.8664150	21	2 18.6	20.1
126976 2002 FA_{24}	16.0	X	192.72561	30.92973	3.53908	0.73892	0.2000542	0.21228263	2.7830846	21	4 22.6	20.7
126977 2002 FJ_{25}	15.4	X	23.93670	300.44693	110.57042	15.92629	0.1090798	0.24328727	2.5413031	21	—	—
126978 2002 FL_{25}	14.7	X	249.46463	321.91597	106.89997	16.92272	0.0723113	0.17455670	3.1708695	21	8 11.4	19.4
126979 2002 FJ_{26}	14.6	X	214.21244	251.78109	303.64403	9.17904	0.0838156	0.18626183	3.0365946	21	11 30.8	19.3
126980 2002 FK_{26}	15.4	X	209.60839	318.22761	98.98909	15.62934	0.0942384	0.22304347	2.6928347	21	6 9.3	19.5
126981 2002 FW_{26}	14.5	X	133.97686	209.61032	86.38688	9.96081	0.0667088	0.19125126	2.9835490	21	—	—
126982 2002 FL_{27}	15.8	X	161.27895	142.46562	116.38397	13.71675	0.2699947	0.23672586	2.5880475	21	12 24.6	20.4
126983 2002 FO_{27}	15.0	X	230.88955	35.97917	32.09136	9.41824	0.0558820	0.17391335	3.1786846	21	7 21.7	19.8
126984 2002 FT_{28}	15.6	X	197.89123	177.40147	50.75789	11.17216	0.0578858	0.23926700	2.5696906	21	—	—
126985 2002 FU_{28}	16.0	X	342.26461	312.32274	133.68864	9.78953	0.1567812	0.24262487	2.5459264	21	—	—
126986 2002 FZ_{28}	14.7	X	35.70400	229.81925	59.81578	9.35698	0.0413137	0.17258388	3.1949880	21	9 6.6	19.2
126987 2002 FS_{30}	14.9	X	272.25882	136.60442	163.44207	15.38006	0.1410449	0.20394172	2.8584592	21	3 17.4	19.1
126988 2002 FX_{30}	14.5	X	34.54646	162.63669	122.53820	14.33689	0.0293895	0.17015923	3.2252673	21	8 26.2	19.0
126989 2002 FA_{32}	15.6	X	268.28684	277.97795	66.01313	6.83220	0.0334278	0.21597429	2.7512793	21	5 19.9	19.3
126990 2002 FB_{32}	15.7	X	24.13113	148.94294	86.07605	5.95691	0.0592590	0.21598015	2.7512295	21	6 6.1	18.9
126991 2002 FG_{32}	15.7	X	139.66916	182.83545	83.21114	4.62472	0.0557212	0.23671527	2.5881247	21	12 16.9	19.4
126992 2002 FQ_{33}	15.6	X	137.46473	132.85706	324.79401	8.54262	0.1707149	0.21517690	2.7580721	21	5 17.3	20.0
126993 2002 FB_{34}	14.7	X	149.00345	58.28614	112.30625	11.81489	0.0533119	0.17374759	3.1807060	21	8 26.4	19.5
126994 2002 FC_{34}	15.5	X	171.65173	44.85402	108.71094	10.14340	0.0682109	0.22404376	2.6848136	21	9 3.4	19.5
126995 2002 FZ_{34}	15.6	X	152.02416	117.90251	335.07327	1.01065	0.0225768	0.21227930	2.7831137	21	5 16.9	19.3
126996 2002 FF_{35}	15.7	X	249.70604	277.83910	238.09879	13.79005	0.1008407	0.23874965	2.5734015	21	12 2.5	18.9
126997 2002 FL_{35}	15.9	X	175.55525	148.79691	319.50429	10.72618	0.1279203	0.22134594	2.7065851	21	7 9.0	20.2
126998 2002 FO_{35}	14.9	X	354.79889	19.03012	287.04733	9.09215	0.2366570	0.21818577	2.7326568	21	7 27.9	17.0
126999 2002 FJ_{36}	15.9	X	5.29780	136.50116	138.32408	6.78991	0.2318231	0.21662067	2.7458035	21	7 5.7	18.1
127000 2002 FN_{36}	15.9	X	114.00823	146.56267	109.18582	6.07594	0.1951449	0.22880252	2.6474566	21	11 14.9	20.2
127001 2002 FT_{36}	16.0	X	225.85157	214.36388	225.24085	3.28533	0.2072930	0.22558383	2.6725802	21	7 14.8	20.5
127002 2002 FE_{38}	15.6	X	29.53229	236.77251	59.07784	6.34646	0.1702889	0.27451828	2.3447068	21	10 3.7	18.0
127003 2002 GO	15.1	X	22.68523	196.50143	76.66218	9.64730	0.1734094	0.21654715	2.7464250	21	8 11.5	18.1
127004 2002 GW_{1}	15.2	X	134.94628	177.34369	111.14865	11.27238	0.2783373	0.23129598	2.6283951	21	—	—
127005 Pratchett	16.3	X	39.68266	143.67522	128.27415	7.27985	0.2045487	0.27198543	2.3592409	21	9 20.6	18.8
127006 2002 GR_{5}	15.5	X	175.84876	317.43938	203.85029	9.72812	0.2487831	0.22628011	2.6670948	21	9 8.7	20.3
127007 2002 GC_{7}	15.6	X	259.56975	51.38163	108.39157	14.32064	0.0837099	0.23768947	2.5810480	21	12 23.9	18.8
127008 2002 GU_{8}	15.5	X	106.98185	226.12083	30.15794	13.59649	0.2232119	0.22444052	2.6816486	21	11 7.2	20.0
127009 2002 GK_{11}	15.0	X	259.13172	259.80796	185.33781	21.64357	0.0407551	0.22628513	2.6670554	21	9 19.1	18.6
127010 2002 GO_{11}	15.3	X	184.40588	156.63185	78.02919	14.60356	0.1414744	0.23276334	2.6173371	21	12 19.9	19.4
127011 2002 GT_{11}	15.5	X	213.96786	5.42460	163.35073	13.60266	0.2042023	0.23108965	2.6299595	21	10 27.8	19.8
127012 2002 GU_{11}	15.6	X	105.60366	199.30993	61.46587	7.71812	0.1097552	0.22757953	2.6569329	21	11 6.4	19.5
127013 2002 GV_{11}	15.4	X	37.86436	105.66605	145.32484	7.17196	0.0317307	0.21723717	2.7406061	21	7 15.7	18.9
127014 2002 GY_{11}	14.8	X	147.51655	123.34810	77.77660	5.71341	0.1078118	0.17574921	3.1565097	21	10 3.3	19.8
127015 2002 GM_{13}	15.4	X	204.39917	73.99758	190.54460	2.86936	0.2130229	0.18812900	3.0164691	21	—	—
127016 2002 GD_{15}	15.0	X	134.75763	192.84809	63.85370	2.64605	0.1482970	0.18130485	3.0916935	21	11 24.5	19.9
127017 2002 GM_{15}	15.3	X	99.28459	155.67686	22.01358	9.30340	0.0917115	0.21774637	2.7363319	21	7 12.4	19.3
127018 2002 GS_{15}	15.1	X	119.58132	175.35600	20.10334	15.09517	0.0690635	0.22264018	2.6960856	21	9 1.6	19.2
127019 2002 GJ_{16}	14.8	X	162.42161	169.54688	39.41979	5.56069	0.0839698	0.18004333	3.1061185	21	10 24.9	19.4
127020 2002 GK_{16}	15.1	X	357.07225	281.99128	174.70138	10.84498	0.0758250	0.19276291	2.9679305	21	—	—
127021 2002 GP_{16}	14.7	X	37.93885	330.77087	21.27653	29.24194	0.1100623	0.23190404	2.6237986	21	12 1.9	18.7
127022 2002 GQ_{18}	15.4	X	178.91890	142.60778	37.54126	14.13580	0.1890958	0.22715755	2.6602223	21	10 11.2	19.9
127023 2002 GC_{20}	15.6	X	193.16187	199.46512	23.41002	7.80031	0.1753532	0.23384428	2.6092652	21	12 11.2	19.9
127024 2002 GE_{20}	15.1	X	174.10654	32.88327	238.71827	2.93809	0.1168967	0.18524370	3.0477108	21	—	—
127025 2002 GF_{21}	15.1	X	335.95777	226.41017	321.57715	2.16940	0.1494912	0.19858498	2.9096346	21	1 14.4	18.9
127026 2002 GL_{21}	15.5	X	44.77437	196.47939	39.53185	3.51802	0.0519688	0.21393829	2.7687072	21	7 8.6	19.0
127027 2002 GT_{22}	14.8	X	199.63887	196.10670	348.82680	7.32302	0.1353135	0.18005517	3.1059823	21	10 27.7	19.8
127028 2002 GA_{23}	16.0	X	166.15225	214.93022	342.00543	1.17517	0.1351546	0.22863791	2.6487272	21	10 17.9	20.2
127029 2002 GB_{26}	15.3	X	84.93678	87.84461	152.35144	19.15597	0.1050004	0.22209721	2.7004780	21	9 18.0	19.1
127030 2002 GZ_{28}	16.0	X	249.71324	117.72384	328.57321	1.01291	0.0406214	0.22473574	2.6792997	21	9 8.8	19.6
127031 2002 GM_{33}	15.8	X	353.59143	173.90108	77.90447	6.30900	0.0890631	0.26588079	2.3952163	21	5 7.3	18.2
127032 2002 GR_{33}	15.1	X	27.53888	263.54560	134.53726	11.39133	0.0926778	0.19054812	2.9908842	21	—	—
127033 2002 GU_{33}	14.8	X	146.51653	208.70840	39.16610	10.06228	0.0316224	0.18460214	3.0547680	21	11 21.9	19.4
127034 2002 GP_{34}	15.3	X	45.13665	298.64813	17.44172	12.01802	0.2436515	0.27962969	2.3160461	21	11 30.1	18.6
127035 2002 GU_{34}	15.1	X	122.32412	223.35543	53.48044	3.89146	0.0427788	0.18441006	3.0568888	21	12 1.1	19.7
127036 2002 GZ_{34}	16.0	X	85.51724	76.94521	107.36182	3.50195	0.0083963	0.26722768	2.3871612	21	6 17.4	18.8
127037 2002 GB_{35}	14.8	X	64.17931	52.94852	21.06549	13.85679	0.1899831	0.25637665	2.4540519	21	—	—
127038 2002 GR_{35}	16.3	X	234.09303	113.44813	342.99192	1.35482	0.0642066	0.22593448	2.6698142	21	8 30.2	20.0
127039 2002 GJ_{36}	16.0	X	211.41839	188.38277	166.46913	2.04251	0.0653257	0.20690883	2.8310663	21	3 24.9	20.2
127040 2002 GS_{38}	15.3	X	202.38193	268.32060	52.51437	2.80996	0.0302582	0.19916162	2.9040156	21	2 3.2	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127041 2002 GH_{39}	15.2	X	354.32860	124.79458	342.24566	15.86579	0.0414470	0.19448671	2.9503674	21	—	—
127042 2002 GV_{39}	16.0	X	166.50138	329.05880	230.99066	2.34190	0.0447049	0.23042973	2.6349783	21	10 24.4	19.6
127043 2002 GW_{39}	15.1	X	1.57932	331.48172	345.05179	12.18433	0.2394532	0.22014689	2.7164039	21	9 4.6	17.1
127044 2002 GH_{41}	15.5	X	200.41207	146.56719	255.30403	2.52481	0.0982322	0.21329448	2.7742759	21	5 9.1	19.7
127045 2002 GA_{42}	15.8	X	356.65942	326.72504	2.86391	6.07136	0.0388515	0.22307229	2.6926028	21	9 4.5	19.1
127046 2002 GK_{42}	14.9	X	102.06445	246.06534	55.44512	1.55245	0.1536872	0.18046942	3.1012275	21	12 16.9	19.8
127047 2002 GV_{42}	15.6	X	187.57499	340.87454	199.51785	11.02679	0.1063139	0.23206331	2.6225980	21	10 21.0	19.6
127048 2002 GX_{43}	15.9	X	1.10973	14.81918	242.26965	1.40167	0.0172288	0.21333090	2.7739601	21	6 1.4	19.5
127049 2002 GJ_{44}	14.7	X	316.49537	328.01823	1.39383	10.56972	0.3157869	0.21316192	2.7754259	21	5 18.9	18.1
127050 2002 GT_{44}	16.0	X	144.35904	322.27767	220.14310	2.24977	0.0092363	0.22295144	2.6935757	21	9 2.1	19.7
127051 2002 GU_{44}	14.7	X	100.56451	331.57513	15.12706	10.36247	0.1205767	0.18766012	3.0214916	21	—	—
127052 2002 GH_{46}	15.4	X	89.83613	137.34857	116.02318	4.52245	0.1507184	0.22453476	2.6808982	21	10 16.3	19.3
127053 2002 GP_{46}	14.2	X	51.20260	211.32189	95.31149	10.44368	0.0792510	0.17511911	3.1640769	21	10 23.5	18.7
127054 2002 GD_{47}	15.6	X	246.26333	171.59341	203.20936	1.75992	0.1029081	0.21639599	2.7477038	21	5 24.3	19.7
127055 2002 GG_{47}	15.7	X	171.90133	41.22857	231.22445	12.03106	0.1719112	0.24027335	2.5625105	21	—	—
127056 2002 GO_{47}	15.9	X	338.93623	203.91812	21.87365	2.28858	0.0485119	0.20473930	2.8510308	21	3 19.9	19.5
127057 2002 GV_{47}	15.3	X	157.54016	314.98368	231.01819	10.86412	0.1879464	0.22677349	2.6632250	21	9 23.1	19.9
127058 2002 GW_{48}	15.6	X	136.19376	186.51897	221.89898	1.05855	0.0612806	0.20301154	2.8671840	21	3 6.8	19.8
127059 2002 GJ_{50}	15.6	X	139.96320	199.90059	307.37806	8.73512	0.1000655	0.21996230	2.7179234	21	7 19.9	19.6
127060 2002 GX_{50}	15.3	X	250.66495	112.14985	130.63019	2.72450	0.0431524	0.19512648	2.9439149	21	—	—
127061 2002 GA_{51}	14.5	X	82.55868	297.12753	34.48295	11.67152	0.1107515	0.18250372	3.0781390	21	12 29.3	19.3
127062 2002 GT_{53}	15.8	X	250.29349	68.34567	185.13466	12.66930	0.1421433	0.24402043	2.5362103	21	—	—
127063 2002 GW_{53}	14.9	X	23.03069	28.66966	154.84416	13.43287	0.0444285	0.20365480	2.8611434	21	3 30.3	18.7
127064 2002 GA_{54}	15.0	X	153.89167	51.89175	168.36356	13.39645	0.1028210	0.22693107	2.6619920	21	11 7.3	19.2
127065 2002 GH_{55}	14.9	X	96.43402	193.33887	82.18447	2.12205	0.1660875	0.17486665	3.1671214	21	11 12.5	19.7
127066 2002 GT_{55}	15.1	X	203.69763	259.31654	260.06709	5.14604	0.0481249	0.17879021	3.1206152	21	10 8.2	19.7
127067 2002 GM_{56}	14.8	X	342.99089	136.11351	349.40106	9.13066	0.0107638	0.19228266	2.9728704	21	—	—
127068 2002 GG_{57}	15.0	X	165.55198	193.75320	303.36637	11.08554	0.0364298	0.22212193	2.7002777	21	8 1.2	18.8
127069 2002 GK_{57}	15.2	X	88.25460	311.81524	320.87057	14.99441	0.1428582	0.22753904	2.6572481	21	10 28.8	19.5
127070 2002 GZ_{58}	15.2	X	194.79706	222.36459	199.04912	7.46324	0.2790208	0.21580326	2.7527327	21	5 27.3	20.2
127071 2002 GT_{60}	15.2	X	143.25579	292.42187	344.84663	13.64875	0.1468172	0.23430221	2.6058643	21	—	—
127072 2002 GX_{60}	15.7	X	126.30057	351.99213	308.27207	4.10095	0.1664834	0.23489658	2.6014666	21	—	—
127073 2002 GO_{61}	15.3	X	258.61098	88.31275	36.81989	5.08005	0.1630782	0.18230826	3.0803388	21	10 18.2	19.6
127074 2002 GS_{61}	15.4	X	211.06326	15.74383	33.34363	6.55507	0.0334842	0.21293029	2.7774383	21	6 1.3	19.4
127075 2002 GU_{64}	16.4	X	179.29394	43.36929	169.49182	4.34801	0.1136578	0.23103435	2.6303791	21	11 21.6	20.5
127076 2002 GY_{64}	14.7	X	57.06130	177.39450	187.82530	9.75241	0.1223599	0.18235224	3.0798435	21	—	—
127077 2002 GD_{65}	14.7	X	265.18015	77.16574	115.90235	16.04946	0.0840288	0.19223696	2.9733414	21	—	—
127078 2002 GM_{65}	15.6	X	45.13600	237.81244	164.32462	0.38501	0.0462626	0.18948990	3.0020091	21	—	—
127079 2002 GO_{65}	16.0	X	303.96020	88.73101	134.15690	0.85617	0.0729523	0.19949968	2.9007341	21	1 26.7	19.8
127080 2002 GT_{65}	15.5	X	141.72531	109.14818	180.64043	5.07397	0.1432289	0.18393969	3.0620980	21	—	—
127081 2002 GK_{67}	15.5	X	53.47220	147.29681	164.41942	4.32646	0.1771164	0.22524033	2.6752967	21	11 19.8	19.2
127082 2002 GB_{70}	15.9	X	127.06418	155.07680	139.74323	3.81839	0.1930377	0.23269441	2.6178540	21	—	—
127083 2002 GO_{70}	15.6	X	189.51692	275.41402	151.14264	4.90008	0.0523718	0.21234417	2.7825468	21	5 30.6	19.7
127084 2002 GF_{71}	15.6	X	43.89035	178.70546	106.69951	6.43343	0.1324258	0.22112406	2.7083953	21	9 28.5	19.0
127085 2002 GX_{73}	15.4	X	61.38844	74.99746	162.63712	9.17374	0.0634629	0.21794549	2.7346649	21	8 3.9	19.1
127086 2002 GD_{74}	15.6	X	143.64082	183.94257	295.30680	4.63997	0.0066572	0.21505204	2.7591395	21	6 8.4	19.3
127087 2002 GJ_{74}	15.3	X	277.56514	129.14198	84.15064	2.69576	0.0631551	0.19396987	2.9556060	21	—	—
127088 2002 GC_{76}	16.1	X	188.82077	352.42288	295.84580	1.44785	0.0143505	0.24466648	2.5317437	21	—	—
127089 2002 GU_{76}	15.3	X	42.08407	134.52389	103.32020	10.26967	0.0724545	0.21829767	2.7317230	21	7 9.2	18.6
127090 2002 GB_{77}	15.4	X	156.33996	28.05187	79.33945	7.56703	0.0592540	0.21568655	2.7537257	21	6 13.1	19.4
127091 2002 GZ_{78}	14.6	X	104.30367	221.49377	55.64641	19.13667	0.0546621	0.18144141	3.0901420	21	11 13.3	19.0
127092 2002 GD_{80}	14.8	X	98.05255	201.71198	51.36328	8.81363	0.0322122	0.17575281	3.1564666	21	10 7.0	19.3
127093 2002 GL_{81}	15.4	X	68.41174	85.62258	126.54983	5.26348	0.0204080	0.21613953	2.7498769	21	7 4.7	19.2
127094 2002 GE_{82}	14.4	X	22.90162	335.12789	41.69340	17.47389	0.2218393	0.18063454	3.0993374	21	12 26.1	18.5
127095 2002 GC_{83}	15.5	X	141.88614	86.39875	142.84057	6.39567	0.0659540	0.22833737	2.6510508	21	11 4.8	19.4
127096 2002 GJ_{83}	15.6	X	286.45994	11.61452	96.45763	6.23926	0.2487252	0.23635273	2.5907706	21	11 2.5	18.2
127097 2002 GB_{84}	15.2	X	287.99595	174.10964	161.06334	9.98352	0.1523459	0.21111744	2.7933154	21	5 18.8	19.2
127098 2002 GJ_{84}	15.2	X	190.15360	159.54817	111.26072	7.35480	0.0996996	0.18833839	3.0142330	21	—	—
127099 2002 GN_{84}	14.9	X	134.65293	150.55875	54.00059	16.84075	0.0919656	0.17299388	3.1899378	21	9 29.5	20.0
127100 2002 GR_{84}	14.2	X	261.88116	247.05824	189.31257	21.30329	0.3370244	0.17580037	3.1558972	21	7 27.2	19.6
127101 2002 GR_{85}	15.4	X	292.26974	205.37447	117.07752	4.82761	0.1786649	0.21024002	2.8010818	21	5 3.0	19.3
127102 2002 GD_{86}	15.7	X	288.92831	277.15341	178.60153	17.24881	0.1430437	0.23302223	2.6153982	21	11 5.8	18.9
127103 2002 GQ_{87}	14.4	X	70.53287	279.01845	53.73515	15.66355	0.1215572	0.17949692	3.1124189	21	12 16.9	19.1
127104 2002 GJ_{88}	15.5	X	152.02836	351.85253	138.55481	7.50521	0.0675491	0.21603287	2.7507819	21	7 8.5	19.5
127105 2002 GL_{88}	15.7	X	218.45957	95.76940	106.89976	12.14224	0.2010042	0.23620297	2.5918656	21	12 11.3	19.7
127106 2002 GU_{90}	15.3	X	291.62606	214.32659	199.27545	15.96123	0.1191849	0.22523692	2.6753237	21	9 8.2	18.8
127107 2002 GK_{91}	15.6	X	237.45370	215.94600	203.16792	2.38693	0.0696844	0.22017902	2.7161397	21	7 14.1	19.5
127108 2002 GJ_{93}	16.1	X	188.90808	304.42016	210.01209	4.61009	0.1235395	0.22671970	2.6636463	21	9 16.6	20.2
127109 2002 GN_{93}	15.6	X	203.33225	190.36096	309.38424	5.02424	0.1163735	0.22658029	2.6647387	21	9 12.6	19.8
127110 2002 GE_{96}	15.5	X	31.87065	330.28779	302.29601	4.08997	0.0703023	0.21758078	2.7377200	21	8 10.1	18.9
127111 2002 GG_{96}	15.8	X	126.79250	253.90276	223.73693	6.78030	0.1818562	0.21371585	2.7706280	21	6 4.9	20.2
127112 2002 GP_{96}	15.6	X	142.27094	294.59429	331.39596	3.89609	0.1947643	0.23098782	2.6307323	21	12 18.5	20.1
127113 2002 GO_{97}	16.7	X	159.43551	350.16460	218.86731	2.52028	0.1122884	0.22913713	2.6448786	21	10 26.9	20.7
127114 2002 GC_{98}	16.0	X	242.50943	171.35909	314.87753	3.46469	0.2118605	0.23303283	2.6153189	21	9 27.9	19.8
127115 2002 GG_{99}	15.4	X	224.24805	267.12970	197.34857	21.04646	0.1290221	0.22594173	2.6697571	21	8 16.7	19.8
127116 2002 GY_{99}	16.3	X	187.81703	351.25315	212.08549	3.72963	0.1347745	0.23294326	2.6159893	21	11 16.7	20.3
127117 2002 GP_{100}	15.6	X	316.53041	354.09985	308.07197	3.18126	0.1831608	0.21115246	2.7930065	21	5 6.2	18.9
127118 2002 GF_{101}	15.2	X	104.88280	128.79940	174.02103	1.62928	0.1335468	0.18154265	3.0889931	21	12 19.8	20.1
127119 2002 GK_{101}	15.6	X	173.49274	259.45289	193.62731	3.54714	0.0768843	0.21593369	2.7516242	21	6 15.1	19.6
127120 2002 GU_{101}	16.4	X	112.18209	191.12542	181.71964	6.24343	0.1720784	0.29513404	2.2342059	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127121 2002 GZ_{101}	15.4	X	176.67458	335.23594	80.87141	9.61870	0.0720144	0.20966383	2.8062113	21	5 4.9	19.7
127122 2002 GB_{102}	14.6	X	71.76307	200.44787	90.80326	10.53888	0.0721573	0.17505187	3.1648871	21	10 28.6	19.2
127123 2002 GE_{102}	15.7	X	169.08688	155.93053	62.10083	13.20684	0.0551434	0.23074514	2.6325765	21	11 19.6	19.5
127124 2002 GJ_{102}	15.4	X	14.09602	84.26500	170.11159	12.29908	0.1046645	0.21223984	2.7834587	21	6 19.5	18.9
127125 2002 GP_{102}	15.0	X	77.10273	69.17989	152.12086	9.35062	0.0833894	0.21708081	2.7419220	21	8 7.1	18.6
127126 2002 GW_{102}	15.2	X	176.34517	337.58585	142.42391	10.14944	0.0841274	0.21832724	2.7314763	21	7 22.5	19.4
127127 2002 GQ_{103}	15.4	X	202.28700	307.36576	166.59757	13.35895	0.1086822	0.22144981	2.7057386	21	8 9.9	19.6
127128 2002 GJ_{104}	15.6	X	2.62031	150.87309	116.93590	10.05942	0.1198367	0.21179473	2.7873571	21	6 18.5	18.7
127129 2002 GQ_{104}	15.5	X	216.24000	26.28171	165.31999	12.55531	0.1265948	0.23320312	2.6140455	21	12 4.2	19.5
127130 2002 GG_{105}	15.3	X	194.96757	344.99679	125.16417	9.93806	0.0743187	0.22202080	2.7010976	21	7 31.7	19.3
127131 2002 GD_{106}	15.1	X	279.29097	150.13526	138.55359	11.35600	0.1033100	0.20448109	2.8534304	21	3 17.5	19.3
127132 2002 GE_{106}	15.5	X	341.69103	111.66758	149.82812	12.80376	0.0847500	0.21006458	2.8026411	21	5 10.0	19.2
127133 2002 GS_{106}	15.9	X	106.97439	138.14908	151.06615	12.10283	0.1858635	0.22999276	2.6383148	21	12 17.3	20.4
127134 2002 GM_{107}	14.8	X	130.77632	116.71558	141.26387	6.01741	0.0081359	0.18212251	3.0824329	21	11 17.8	19.2
127135 2002 GQ_{109}	14.7	X	353.55121	343.75435	73.50290	17.14844	0.0743101	0.18347583	3.0672568	21	12 16.1	18.6
127136 2002 GB_{110}	16.0	X	162.27956	198.36834	271.21368	1.73774	0.1473133	0.21893161	2.7264471	21	6 26.5	20.2
127137 2002 GM_{111}	16.0	X	255.02516	26.88610	64.18636	6.05559	0.2564235	0.22923859	2.6440981	21	8 25.9	19.9
127138 2002 GD_{112}	15.8	X	39.64905	113.59024	141.51506	5.92599	0.0798731	0.21617735	2.7495561	21	7 30.0	19.2
127139 2002 GG_{112}	15.3	X	192.24653	304.13489	133.80451	5.82424	0.1468535	0.21547811	2.7555013	21	6 15.5	19.7
127140 2002 GT_{113}	15.7	X	157.41253	131.91010	129.61492	6.55435	0.1463901	0.23509856	2.5999764	21	12 27.5	19.9
127141 2002 GC_{114}	15.3	X	203.81839	272.19771	128.94679	6.76225	0.0174041	0.21265912	2.7797989	21	5 16.7	19.2
127142 2002 GP_{114}	15.3	X	296.50913	310.38342	59.28378	9.95255	0.0983318	0.22085460	2.7105978	21	7 24.9	18.9
127143 2002 GX_{115}	14.8	X	295.83100	10.14388	53.17481	11.01040	0.0568572	0.17687002	3.1431605	21	10 7.9	19.1
127144 2002 GK_{117}	15.8	X	107.62629	230.39587	77.78246	5.36491	0.2686399	0.23262031	2.6184098	21	—	—
127145 2002 GO_{119}	14.6	X	133.01295	85.00303	96.91199	10.97522	0.0162422	0.17031123	3.2233479	21	8 19.2	19.3
127146 2002 GT_{120}	15.6	X	271.22685	180.43040	127.33650	10.28727	0.1151873	0.20481729	2.8503070	21	3 31.8	19.9
127147 2002 GA_{122}	16.0	X	72.77710	172.20152	146.85667	4.48111	0.0328561	0.23265081	2.6181810	21	12 3.5	19.5
127148 2002 GT_{123}	15.5	X	209.80745	271.28352	4.95515	2.39039	0.1256152	0.19024491	2.9940613	21	—	—
127149 2002 GZ_{125}	15.9	X	108.33793	145.80058	334.58668	3.63724	0.0212919	0.21082307	2.7959150	21	4 25.4	19.8
127150 2002 GH_{126}	14.9	X	109.64941	115.25141	207.63028	10.89667	0.1294274	0.18278229	3.0750108	21	—	—
127151 2002 GX_{126}	16.3	X	68.49924	108.27672	221.80511	3.39807	0.1725862	0.28482302	2.2878067	21	—	—
127152 2002 GV_{127}	15.6	X	354.52357	196.01206	212.24290	6.26259	0.0756240	0.23558353	2.5964070	21	12 19.4	18.8
127153 2002 GD_{132}	15.3	X	183.39235	320.25677	5.11898	1.66532	0.1020549	0.19561574	2.9390040	21	1 22.2	19.8
127154 2002 GM_{133}	16.0	X	315.27023	63.49098	346.28686	2.73350	0.0275078	0.22811152	2.6528004	21	10 21.4	19.5
127155 2002 GR_{135}	16.3	X	300.72840	86.53249	354.69133	2.77611	0.1463466	0.23312425	2.6146351	21	11 1.3	19.2
127156 2002 GV_{136}	15.2	X	251.33237	226.83032	7.16277	10.05205	0.0547473	0.19262510	2.9693459	21	—	—
127157 2002 GE_{139}	15.4	X	87.64415	183.86269	209.62327	4.61944	0.1691262	0.19628419	2.9323277	21	1 2.3	19.1
127158 2002 GM_{139}	15.9	X	268.02004	357.22902	11.10429	1.80235	0.0977710	0.21673054	2.7448754	21	6 11.2	19.7
127159 2002 GA_{140}	15.4	X	314.77337	82.24153	49.85220	3.58748	0.0768339	0.18850446	3.0124624	21	—	—
127160 2002 GS_{140}	15.0	X	306.26416	120.85278	48.95580	11.11919	0.0330407	0.19157571	2.9801794	21	—	—
127161 2002 GS_{143}	15.9	X	174.43512	294.39397	0.46275	1.67096	0.1265992	0.18734653	3.0248623	21	—	—
127162 2002 GF_{144}	15.2	X	241.27437	58.95492	68.57988	16.09556	0.0505845	0.22954660	2.6417323	21	10 27.7	18.9
127163 2002 GH_{144}	15.4	X	253.82425	112.01407	100.05957	11.38273	0.0343521	0.24210483	2.5495708	21	—	—
127164 2002 GC_{149}	15.9	X	95.24651	340.55585	172.96830	3.50513	0.0310098	0.21378683	2.7700147	21	5 25.6	19.7
127165 2002 GK_{149}	15.8	X	309.12746	92.29698	195.96995	3.03917	0.0663414	0.20967537	2.8061083	21	4 26.3	19.3
127166 2002 GP_{149}	15.7	X	145.31258	118.67893	348.58660	3.70208	0.0599132	0.21375005	2.7703325	21	5 30.2	19.7
127167 2002 GP_{150}	15.8	X	173.49844	344.29721	305.48018	0.89947	0.1529115	0.18860265	3.0114167	21	—	—
127168 2002 GQ_{151}	14.8	X	326.43044	177.53936	69.46010	16.35404	0.0930412	0.20537663	2.8451295	21	4 2.2	18.8
127169 2002 GX_{151}	15.5	X	74.62425	247.03127	99.97875	4.28012	0.0692754	0.23785485	2.5798515	21	—	—
127170 2002 GM_{152}	14.9	X	133.66976	270.78858	149.19608	10.88050	0.1396513	0.20579846	2.8412403	21	3 30.5	19.2
127171 2002 GL_{153}	15.3	X	124.42914	204.82669	134.59282	11.35825	0.0779165	0.18876988	3.0096380	21	—	—
127172 2002 GF_{154}	14.6	X	358.17426	323.95003	28.31059	14.12420	0.2317161	0.22785571	2.6547855	21	10 22.8	16.9
127173 2002 GT_{155}	15.6	X	149.97997	343.52171	126.65475	6.52372	0.0710105	0.21573410	2.7533210	21	6 10.8	19.7
127174 2002 GZ_{155}	15.5	X	231.14433	1.56301	58.87067	13.33341	0.1288064	0.22000754	2.7175508	21	7 2.7	19.8
127175 2002 GZ_{157}	15.6	X	284.09180	245.10237	128.34310	5.74120	0.0469353	0.21788701	2.7351542	21	7 17.5	19.1
127176 2002 GC_{159}	15.4	X	282.55650	43.14387	357.43253	13.95609	0.0616812	0.22372647	2.6873515	21	8 24.3	19.0
127177 2002 GK_{160}	14.8	X	335.06769	251.99481	164.61098	12.55037	0.0747496	0.18344992	3.0675456	21	11 22.2	18.9
127178 2002 GN_{160}	14.9	X	266.78017	280.14210	160.63092	10.65673	0.1095596	0.17724282	3.1387516	21	9 10.0	19.3
127179 2002 GB_{161}	15.6	X	262.55339	2.13514	111.25897	9.30164	0.2167340	0.23302318	2.6153910	21	10 10.9	19.2
127180 2002 GQ_{163}	15.7	X	196.33381	32.73453	44.34964	3.27089	0.0419300	0.21610948	2.7501318	21	6 20.6	19.6
127181 2002 GQ_{165}	15.6	X	63.86878	225.87582	122.08903	1.65592	0.1687269	0.23704767	2.5857047	21	—	—
127182 2002 GC_{166}	15.1	X	104.19729	192.10170	69.22203	16.29806	0.0711577	0.22740292	2.6583084	21	11 5.3	19.0
127183 2002 GW_{167}	16.0	X	69.29343	9.65892	237.87323	3.50983	0.0569903	0.22122038	2.7076091	21	8 27.1	19.6
127184 2002 GG_{170}	15.9	X	234.67466	71.42407	30.45368	4.18383	0.0367782	0.22282558	2.6945899	21	9 12.2	19.6
127185 2002 GL_{171}	15.6	X	272.95039	120.71006	19.51281	15.49457	0.0652723	0.23754156	2.5821194	21	12 17.4	19.1
127186 2002 GX_{171}	16.0	X	348.96521	104.16559	183.19467	1.77725	0.0348309	0.21641024	2.7475831	21	6 24.7	19.6
127187 2002 GB_{172}	15.3	X	161.58316	346.49727	148.78151	1.32556	0.1235798	0.16951842	3.2333901	21	7 26.6	20.3
127188 2002 GE_{172}	15.8	X	80.63064	67.72281	155.64146	2.83326	0.0089921	0.22042004	2.7141593	21	8 3.7	19.5
127189 2002 GL_{172}	15.7	X	27.14217	112.91540	28.12294	2.20367	0.0431884	0.20152603	2.8812567	21	2 7.8	19.3
127190 2002 GB_{174}	15.0	X	354.71238	38.78160	65.73497	11.35990	0.0387579	0.18906885	3.0064643	21	—	—
127191 2002 GT_{174}	15.7	X	75.91763	156.86833	98.32379	4.43909	0.2091120	0.22142544	2.7059371	21	10 10.3	19.7
127192 2002 GW_{174}	15.5	X	188.52576	62.73053	79.19258	7.42498	0.0162149	0.22392843	2.6857354	21	9 10.8	19.3
127193 2002 GB_{176}	15.8	X	166.57459	121.94795	56.38314	12.36170	0.1296811	0.22443054	2.6817282	21	10 1.5	20.2
127194 2002 GF_{176}	15.7	X	213.09005	43.59154	0.70798	12.60650	0.1479898	0.21710302	2.7417349	21	5 19.6	20.3
127195 2002 GK_{177}	15.4	X	179.30732	118.22858	91.80769	10.36985	0.0168386	0.18092798	3.0959853	21	11 17.6	19.9
127196 Hanaceplechová	15.5	X	150.20237	101.93367	149.82926	5.52519	0.1415295	0.23056094	2.6339785	21	12 9.5	19.8
127197 2002 HO	15.6	X	201.98111	70.49585	161.92470	6.68282	0.1822453	0.23590232	2.5940673	21	12 31.4	19.7
127198 2002 HF_{1}	15.5	X	260.72881	122.86307	92.45628	1.26351	0.1462352	0.19074767	2.9887979	21	—	—
127199 2002 HL_{2}	15.5	X	166.42535	305.21258	163.64176	9.02023	0.1183945	0.21807553	2.7335777	21	6 28.6	19.9
127200 2002 HC_{4}	15.0	X	29.01056	58.73836	109.36792	12.21348	0.0417645	0.20258006	2.8712538	21	3 21.6	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127201 2002 HY_4	14.6	X	4.32889	181.50270	70.69989	8.79248	0.2296964	0.21072059	2.7968214	21	5 27.6	16.7
127202 2002 HQ_5	14.4	X	161.10730	161.98257	124.94797	12.76312	0.2173830	0.18410395	3.0602763	21	—	—
127203 2002 HP_6	16.0	X	162.64020	244.42671	271.33513	3.92688	0.1043967	0.22148972	2.7054136	21	8 22.2	20.2
127204 2002 HJ_7	14.2	X	137.33267	106.54335	68.14583	24.15358	0.1476876	0.16799853	3.2528627	21	9 1.9	19.8
127205 2002 HW_7	16.1	X	259.43884	43.90791	33.77026	2.09483	0.0585594	0.22671817	2.6636582	21	9 8.7	19.6
127206 2002 HL_9	15.1	X	142.44831	145.84653	201.01593	25.20061	0.2899348	0.23870677	2.5737097	21	1 13.6	19.7
127207 2002 HC_{10}	15.5	X	60.02554	33.64829	199.22160	10.40188	0.0543814	0.21721932	2.7407563	21	7 23.6	19.4
127208 2002 HM_{10}	15.4	X	142.50853	65.11611	47.32491	3.86178	0.0177442	0.21277132	2.7788215	21	5 29.9	19.2
127209 2002 HB_{11}	14.6	X	61.85807	205.34492	56.45662	5.22750	0.1763355	0.16926134	3.2366633	21	9 22.5	19.1
127210 2002 HE_{11}	15.3	X	174.38971	18.98089	102.28603	13.93207	0.2270542	0.22292670	2.6937751	21	7 23.7	20.0
127211 2002 HK_{13}	13.8	X	190.54389	71.02146	131.16841	27.38109	0.2188656	0.18003960	3.1061614	21	11 15.9	19.5
127212 2002 HB_{14}	14.8	X	169.46123	36.90407	37.72038	28.24136	0.2206975	0.21485069	2.7608631	21	5 16.5	19.7
127213 2002 HS_{14}	15.4	X	259.44635	356.45742	173.02484	2.18556	0.1093827	0.18824660	3.0152127	21	12 20.5	19.6
127214 2002 HC_{15}	14.9	X	16.69212	231.61653	65.57226	2.96608	0.1183302	0.16930064	3.2361625	21	8 23.1	18.9
127215 2002 HY_{15}	15.0	X	240.02954	4.71262	113.90010	13.45240	0.1061850	0.22724351	2.6595514	21	10 6.7	19.0
127216 2002 HC_{16}	16.0	X	325.30013	268.20628	182.95712	1.98180	0.0496270	0.23730188	2.5838577	21	12 31.5	19.2
127217 2002 HS_{17}	15.8	X	163.27676	2.24503	91.52670	11.63415	0.3488051	0.21821253	2.7324334	21	6 14.1	21.0
127218 2002 JE	15.9	X	175.23863	103.10950	70.09663	8.11948	0.2099815	0.22771496	2.6558793	21	9 29.9	20.5
127219 2002 JR_3	15.3	X	121.29935	336.66043	259.77725	10.14614	0.0861536	0.22540623	2.6739838	21	10 17.1	19.4
127220 2002 JT_3	16.2	X	205.77822	239.87734	338.72502	6.70843	0.1687834	0.23513489	2.5997085	21	12 19.9	20.3
127221 2002 JC_4	15.0	X	154.33203	337.89914	108.73803	26.59761	0.1166804	0.21205150	2.7851065	21	5 27.6	19.7
127222 2002 JV_5	15.0	X	314.22645	343.04547	111.59836	12.49276	0.0594603	0.18310285	3.0714208	21	12 9.0	19.1
127223 2002 JW_5	15.4	X	121.23224	165.35098	116.27452	11.78736	0.1586114	0.17841159	3.1250287	21	12 12.5	20.5
127224 2002 JJ_6	15.4	X	245.10371	305.92195	227.45896	3.89829	0.1920049	0.23539911	2.5977628	21	12 4.8	18.7
127225 2002 JP_7	14.7	X	118.44079	55.35524	158.50731	6.32136	0.1011319	0.17068271	3.2186693	21	9 16.4	19.5
127226 2002 JQ_8	15.5	X	189.91877	22.02067	179.99219	8.88385	0.1337083	0.23019821	2.6367447	21	11 18.2	19.6
127227 2002 JS_8	15.3	X	304.55351	147.98540	124.94304	16.06491	0.1192264	0.20359765	2.8616787	21	3 29.9	19.4
127228 2002 JU_{10}	14.2	X	62.09660	228.94161	85.82655	14.25877	0.1463373	0.17475629	3.1684547	21	11 22.7	18.8
127229 2002 JH_{11}	15.2	X	265.78021	92.28301	57.22178	6.70800	0.1600855	0.18487117	3.0518036	21	11 26.0	19.2
127230 2002 JO_{14}	15.2	X	97.01190	99.12403	117.98637	16.49400	0.1179847	0.21781649	2.7357445	21	9 5.8	19.4
127231 2002 JM_{15}	15.5	X	72.39292	349.75515	176.25618	8.57787	0.1602319	0.21001105	2.8031174	21	5 31.7	19.2
127232 2002 JQ_{16}	15.3	X	80.77173	132.67851	154.70658	11.93627	0.1937846	0.22600267	2.6692771	21	11 23.3	19.6
127233 2002 JT_{16}	15.7	X	194.79162	15.06583	181.83849	13.57449	0.0978926	0.23062013	2.6335278	21	11 20.3	19.8
127234 2002 JJ_{17}	16.3	X	90.74670	258.10952	354.19971	1.52125	0.1474765	0.22215691	2.6999942	21	10 12.7	20.4
127235 2002 JW_{17}	16.0	X	250.90859	275.70218	238.14583	2.34127	0.1554088	0.23437253	2.6053430	21	11 22.2	19.1
127236 2002 JS_{18}	14.9	X	212.46417	195.59525	61.01475	13.06283	0.1366778	0.18793740	3.0185190	21	—	—
127237 2002 JC_{19}	15.4	X	164.85872	334.45459	170.48525	4.63743	0.0644474	0.21832728	2.7314759	21	8 10.7	19.4
127238 2002 JS_{20}	15.5	X	333.26150	134.28719	163.31503	8.35590	0.2109655	0.20969552	2.8059286	21	5 28.5	18.6
127239 2002 JA_{21}	15.3	X	330.52578	107.84428	41.91159	10.38819	0.0732247	0.19214106	2.9743307	21	—	—
127240 2002 JM_{25}	15.2	X	75.28347	187.17659	57.35117	13.78724	0.1284258	0.21946137	2.7220577	21	9 20.5	19.2
127241 2002 JM_{26}	15.6	X	174.56331	152.48957	94.28098	6.31316	0.1774543	0.23326313	2.6135972	21	12 23.6	19.7
127242 2002 JG_{28}	15.9	X	239.84328	66.28573	193.39023	3.12068	0.1427267	0.24378870	2.5378172	21	—	—
127243 2002 JH_{28}	15.3	X	90.89219	202.36665	53.38975	12.80206	0.1339357	0.22212236	2.7002742	21	10 19.9	19.3
127244 2002 JK_{29}	15.3	X	140.05518	139.13349	179.10105	1.59900	0.1646673	0.18399568	3.0614768	21	—	—
127245 2002 JG_{30}	15.3	X	228.46665	95.33636	195.19489	1.72829	0.2064125	0.19242681	2.9713855	21	1 21.6	20.4
127246 2002 JV_{32}	14.5	X	93.25745	335.26449	56.23800	11.18053	0.1156157	0.18961122	3.0007284	21	1 2.8	18.5
127247 2002 JF_{34}	15.5	X	61.29138	168.27206	79.92831	5.22085	0.1527017	0.21572980	2.7533576	21	9 5.1	19.1
127248 2002 JK_{35}	15.6	X	48.68549	126.53051	127.15685	2.81220	0.1840689	0.21405149	2.7677310	21	8 28.0	18.9
127249 2002 JM_{36}	14.5	X	83.41044	295.98228	67.16487	11.29011	0.0612051	0.18378260	3.0638427	21	—	—
127250 2002 JY_{37}	15.5	X	236.28975	175.81945	12.56142	5.80874	0.2070949	0.23596256	2.5936258	21	12 10.2	19.2
127251 2002 JD_{38}	14.8	X	190.90663	174.61733	115.75670	6.73191	0.1810867	0.18680151	3.0307431	21	—	—
127252 2002 JM_{39}	15.0	X	201.50580	173.67530	74.00628	15.74730	0.0738765	0.23700696	2.5860008	21	—	—
127253 2002 JQ_{39}	13.9	X	119.67691	204.39848	66.28957	28.03933	0.2369389	0.17518966	3.1632273	21	11 30.4	19.4
127254 2002 JJ_{42}	15.9	X	197.36638	103.85198	45.76883	2.28205	0.1490395	0.22643492	2.6658791	21	9 19.8	20.1
127255 2002 JX_{42}	15.5	X	6.90791	138.89941	118.17978	4.95359	0.0537133	0.21133023	2.7914400	21	6 10.3	19.0
127256 2002 JB_{43}	14.3	X	158.19331	307.98600	245.26473	11.89282	0.1191037	0.17556513	3.1587157	21	9 27.0	19.5
127257 2002 JZ_{43}	15.2	X	23.76608	255.58799	322.32450	5.69854	0.1132937	0.20990229	2.8040856	21	5 13.2	18.5
127258 2002 JC_{45}	15.4	X	126.38408	147.68542	10.30778	5.75512	0.0510162	0.21604195	2.7507048	21	7 14.3	19.4
127259 2002 JG_{45}	16.1	X	160.71350	302.30565	222.75322	6.84112	0.2132789	0.22343555	2.6896836	21	9 1.1	20.9
127260 2002 JE_{46}	15.2	X	322.42644	179.70229	21.59791	9.66441	0.0257465	0.19869497	2.9085608	21	2 2.6	19.3
127261 2002 JE_{47}	15.1	X	65.42076	304.83531	254.51062	9.96153	0.1738510	0.21244523	2.7816644	21	7 5.7	18.6
127262 2002 JF_{48}	15.4	X	295.33230	158.83270	33.27386	9.73353	0.1403829	0.24401024	2.5362809	21	—	—
127263 2002 JJ_{49}	14.3	X	125.64966	61.49733	252.47407	10.66210	0.2503599	0.17994652	3.1072325	21	—	—
127264 2002 JB_{50}	15.9	X	183.73772	205.04138	5.35585	2.48684	0.1018592	0.22991047	2.6389442	21	11 22.1	19.7
127265 2002 JX_{50}	15.4	X	102.35126	230.54646	333.92184	1.62675	0.1180208	0.21688636	2.7435606	21	8 22.2	19.4
127266 2002 JU_{51}	14.8	X	198.26665	76.96652	235.91943	9.21502	0.1009689	0.19217695	2.9739605	21	1 19.7	19.6
127267 2002 JY_{53}	15.7	X	178.74837	164.54542	14.63297	3.30476	0.1143511	0.22651260	2.6652695	21	10 8.9	19.8
127268 2002 JC_{55}	16.2	X	60.35734	233.61725	30.04956	1.51627	0.1841429	0.21786417	2.7353454	21	9 26.9	19.8
127269 2002 JJ_{55}	14.8	X	216.98638	113.83819	50.07249	6.16186	0.1188528	0.17868594	3.1218291	21	10 24.7	19.4
127270 2002 JK_{57}	15.5	X	191.27091	20.34177	224.98993	2.00264	0.1048449	0.18370397	3.0647169	21	—	—
127271 2002 JL_{60}	15.9	X	297.82959	171.27902	65.67339	2.82176	0.1285738	0.19716900	2.9235484	21	1 30.3	20.0
127272 2002 JS_{60}	15.5	X	76.43515	107.39405	168.52571	8.77556	0.2347620	0.22297884	2.6933551	21	11 8.5	19.7
127273 2002 JA_{61}	15.4	X	292.13529	351.11457	320.73962	1.23126	0.0486955	0.20721714	2.8282574	21	5 6.3	19.1
127274 2002 JE_{61}	14.6	X	252.06351	269.02621	207.57788	16.64294	0.2145075	0.18004022	3.1061543	21	9 19.7	19.5
127275 2002 JB_{63}	15.1	X	233.61735	68.13250	140.53854	6.37793	0.2262593	0.23608440	2.5927334	21	12 30.5	18.8
127276 2002 JF_{65}	15.7	X	187.64594	137.00824	78.37784	5.97749	0.2087674	0.23049839	2.6344550	21	11 26.0	20.0
127277 2002 JV_{65}	15.1	X	206.69206	101.35760	188.83494	5.56084	0.2880260	0.23939958	2.5687418	21	—	—
127278 2002 JC_{66}	15.7	X	67.14421	88.65159	168.92542	3.55016	0.1505887	0.21673783	2.7448139	21	9 22.5	19.5
127279 2002 JY_{66}	15.1	X	125.67728	146.27957	141.57680	2.30079	0.1817082	0.17732516	3.1377799	21	12 22.8	20.2
127280 2002 JK_{67}	14.7	X	231.09626	77.84344	136.73555	5.86152	0.2409773	0.23596707	2.5935928	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127281 2002 JA_{69}	15.2	X	150.58024	228.75898	58.94989	14.95754	0.1530248	0.23629684	2.5911791	21	—	—
127282 2002 JD_{69}	14.8	X	70.95671	149.92087	82.51713	11.61656	0.2018918	0.21741454	2.7391153	21	9 7.7	18.8
127283 2002 JQ_{69}	15.6	X	250.72058	55.06640	105.97522	8.67533	0.1362216	0.23661815	2.5888329	21	12 5.7	18.9
127284 2002 JF_{70}	15.3	X	40.03915	122.17267	130.23609	8.63602	0.1771619	0.21430966	2.7655078	21	8 10.7	18.4
127285 2002 JG_{70}	15.4	X	18.57113	168.32410	129.17784	9.01741	0.2053781	0.21615116	2.7497782	21	9 12.1	18.2
127286 2002 JC_{71}	15.2	X	158.86175	54.05355	97.99392	9.77391	0.1743696	0.22055461	2.7130552	21	8 19.3	19.7
127287 2002 JR_{72}	16.4	X	95.45939	107.84535	117.07562	7.79473	0.1766830	0.26960572	2.3731033	21	9 24.3	19.9
127288 2002 JV_{74}	15.6	X	23.13542	218.11509	23.88388	1.73586	0.2003020	0.20978605	2.8051213	21	6 25.5	18.1
127289 2002 JD_{75}	15.6	X	60.13304	241.30669	28.61352	3.55925	0.1585067	0.21723717	2.7406061	21	10 1.3	19.3
127290 2002 JM_{77}	14.8	X	251.24606	120.98769	24.65781	11.11526	0.0577691	0.18270706	3.0758548	21	11 15.1	19.2
127291 2002 JT_{77}	15.5	X	341.56323	175.84698	34.73884	2.32852	0.0198324	0.20345169	2.8630472	21	3 7.7	19.2
127292 2002 JJ_{78}	15.6	X	197.41171	297.24678	220.44408	3.02714	0.0628411	0.22717979	2.6600487	21	10 4.4	19.3
127293 2002 JL_{78}	15.5	X	318.08659	68.84836	223.49503	2.72810	0.0668114	0.21047121	2.7990302	21	5 14.1	19.1
127294 2002 JN_{79}	15.4	X	150.52616	248.90824	225.18940	3.96559	0.0693945	0.21446881	2.7641395	21	6 15.8	19.3
127295 2002 JE_{80}	15.4	X	211.68575	278.68591	12.45368	1.77081	0.0775298	0.19413416	2.9539383	21	1 9.5	19.8
127296 2002 JV_{80}	15.0	X	108.89106	40.78381	255.83352	4.01565	0.1658499	0.17884885	3.1199331	21	12 18.0	20.0
127297 2002 JD_{81}	16.2	X	145.52490	287.07055	8.53219	4.21439	0.2080573	0.23578191	2.5949504	21	—	—
127298 2002 JG_{81}	16.1	X	242.77335	283.79810	222.78973	1.69991	0.1333342	0.23364027	2.6107839	21	11 5.6	19.5
127299 2002 JU_{81}	15.1	X	76.19716	313.01280	291.33202	2.16194	0.1271307	0.17025116	3.2241062	21	9 8.1	19.7
127300 2002 JN_{83}	15.1	X	100.34533	29.46399	229.92959	4.56734	0.1078097	0.17361445	3.1823319	21	10 21.6	20.0
127301 2002 JX_{84}	16.2	X	155.84824	237.03410	287.63864	2.12253	0.1289675	0.22087378	2.7104409	21	8 27.9	20.4
127302 2002 JM_{85}	14.6	X	27.25067	331.17299	43.11699	9.85391	0.0246738	0.17945939	3.1128528	21	12 2.1	18.9
127303 2002 JG_{86}	15.1	X	105.42890	335.21164	355.91666	1.25870	0.1644516	0.18131910	3.0915315	21	—	—
127304 2002 JA_{87}	16.6	X	4.84630	299.66928	314.47552	1.36466	0.1521013	0.26088467	2.4256996	21	5 28.6	18.5
127305 2002 JJ_{87}	15.2	X	117.34081	40.17021	244.43331	4.81178	0.1458311	0.17725539	3.1386032	21	12 10.5	20.3
127306 2002 JR_{88}	15.5	X	240.14080	253.65335	37.88236	2.37443	0.0600912	0.19786559	2.9166828	21	2 9.1	19.7
127307 2002 JT_{88}	15.0	X	170.07599	143.49018	31.57559	10.75993	0.1587614	0.17493364	3.1663128	21	9 24.4	20.2
127308 2002 JF_{89}	15.6	X	151.45863	329.30405	234.57828	2.46707	0.0937897	0.17434697	3.1734119	21	10 6.3	20.5
127309 2002 JN_{89}	15.7	X	196.33298	324.31807	14.74807	1.92984	0.0563931	0.19792781	2.9160715	21	2 18.8	19.9
127310 2002 JT_{90}	17.2	X	202.84874	285.78653	20.57127	3.54318	0.1528383	0.29473001	2.2362472	21	1 4.0	20.6
127311 2002 JV_{90}	15.0	X	158.88994	293.79478	39.11675	11.15245	0.0887917	0.18985600	2.9981487	21	1 6.9	19.6
127312 2002 JC_{91}	14.2	X	296.73477	41.24012	242.46626	5.51287	0.0405606	0.15309036	3.4607547	21	4 11.7	19.1
127313 2002 JJ_{94}	16.1	X	219.43742	198.13408	31.84384	3.18832	0.1035017	0.23671942	2.5880945	21	—	—
127314 2002 JN_{94}	15.5	X	232.66353	235.13294	36.07895	1.16149	0.1012949	0.19165641	2.9793428	21	1 6.8	20.0
127315 2002 JL_{96}	15.7	X	93.57383	309.75305	278.56639	3.90803	0.1425147	0.21777997	2.7360504	21	9 12.8	19.8
127316 2002 JW_{96}	14.6	X	37.22888	322.63060	75.91392	15.13533	0.0740306	0.18483352	3.0522180	21	—	—
127317 2002 JA_{97}	14.6	X	77.32540	176.57175	139.94285	16.38772	0.0274052	0.17695364	3.1421703	21	11 28.5	19.4
127318 2002 JT_{97}	14.8	X	330.05996	46.39233	114.32272	2.95547	0.0823407	0.19579394	2.9372205	21	—	—
127319 2002 JB_{99}	14.5	X	117.45173	191.96649	105.58806	16.52677	0.1025072	0.18238184	3.0795102	21	12 24.3	19.2
127320 2002 JC_{99}	15.3	X	77.53652	58.40607	122.98137	15.41945	0.0270028	0.21319899	2.7751042	21	6 9.4	19.2
127321 2002 JW_{99}	15.3	X	154.07789	74.00123	133.34858	13.84143	0.1273484	0.22366341	2.6878565	21	10 24.6	19.8
127322 2002 JE_{100}	14.2	X	214.15125	274.62637	248.50256	24.13479	0.2510727	0.17844315	3.1246602	21	10 2.5	19.9
127323 2002 JL_{100}	14.2	X	163.57004	88.91547	106.37120	26.05295	0.1732442	0.17432591	3.1736675	21	10 21.4	19.9
127324 2002 JP_{100}	16.5	X	244.12966	47.23008	189.32776	12.13076	0.2522841	0.24126678	2.5554714	21	—	—
127325 2002 JN_{101}	14.7	X	183.05978	244.37291	52.00176	9.49815	0.0885134	0.18934148	3.0035777	21	—	—
127326 2002 JL_{102}	15.2	X	127.65032	168.79494	129.20794	1.90547	0.2029975	0.17801635	3.1296525	21	—	—
127327 2002 JS_{103}	15.4	X	276.86175	20.80313	219.25735	2.26353	0.0847804	0.19436222	2.9516271	21	1 15.3	19.8
127328 2002 JH_{105}	14.6	X	68.94038	296.39676	61.50803	10.23720	0.0617455	0.18102879	3.0948358	21	—	—
127329 2002 JZ_{107}	15.4	X	201.45572	24.22584	105.75225	15.94016	0.0836925	0.22471204	2.6794880	21	9 8.1	19.6
127330 2002 JL_{108}	14.5	X	275.58618	337.30168	157.52390	23.85876	0.0671196	0.18419268	3.0592935	21	12 7.8	19.1
127331 2002 JX_{109}	14.9	X	220.92780	154.34277	46.79184	10.14711	0.0067982	0.18063544	3.0993270	21	12 23.9	19.3
127332 2002 JW_{110}	15.8	X	46.70962	266.71719	344.83457	3.34195	0.1605050	0.21379526	2.7699420	21	8 18.1	19.0
127333 2002 JQ_{111}	14.9	X	228.65495	337.17078	279.21716	7.35914	0.0778021	0.18866087	3.0107971	21	—	—
127334 2002 JX_{111}	14.9	X	87.78293	1.06916	250.55263	12.22592	0.1482006	0.22037515	2.7145279	21	10 4.2	19.1
127335 2002 JB_{113}	15.0	X	26.40859	172.73169	146.71301	14.33986	0.1738250	0.22209276	2.7005141	21	10 26.1	18.4
127336 2002 JB_{115}	14.6	X	85.96815	174.58723	136.57456	10.18574	0.0749838	0.17572919	3.1567494	21	12 5.5	19.3
127337 2002 JK_{117}	15.4	X	70.43428	172.59486	139.30897	5.08378	0.1852089	0.17234506	3.1979388	21	12 1.4	20.2
127338 2002 JE_{118}	14.5	X	17.40156	298.50153	93.54290	22.47053	0.0191670	0.18228132	3.0806423	21	12 13.9	18.8
127339 2002 JK_{118}	15.5	X	188.36894	66.73453	76.08629	13.58127	0.1239565	0.22628901	2.6670249	21	9 9.8	19.9
127340 2002 JN_{118}	14.5	X	26.04215	188.20317	92.93359	16.56692	0.0417062	0.16981675	3.2296022	21	8 11.5	19.0
127341 2002 JO_{118}	15.4	X	47.74020	140.65420	140.27266	15.61236	0.0352839	0.22333957	2.6904542	21	9 13.1	19.0
127342 2002 JU_{118}	14.4	X	94.23299	189.11984	106.21857	15.37252	0.1943472	0.17857342	3.1231404	21	12 7.9	19.5
127343 2002 JE_{119}	15.2	X	102.78897	154.19889	112.48790	14.01533	0.0278894	0.22872133	2.6480831	21	11 7.7	19.1
127344 2002 JP_{119}	14.9	X	24.87295	210.80113	77.67998	14.65899	0.0664817	0.21934262	2.7230401	21	8 28.7	18.6
127345 2002 JQ_{119}	15.2	X	84.96262	82.14770	108.85240	13.41511	0.1928241	0.21582150	2.7525777	21	7 25.4	19.0
127346 2002 JU_{119}	15.2	X	188.78395	69.54835	75.65008	15.90177	0.0616247	0.22401965	2.6850063	21	9 18.1	19.4
127347 2002 JT_{120}	15.2	X	9.16332	160.88702	112.73195	11.71373	0.1681470	0.21253050	2.7809203	21	7 10.7	17.9
127348 2002 JV_{120}	15.1	X	296.65858	28.54698	106.94736	13.00934	0.1232741	0.23811237	2.5779911	21	—	—
127349 2002 JU_{121}	15.4	X	212.08564	56.75963	118.98064	11.75683	0.1964107	0.23128277	2.6284953	21	11 5.6	19.7
127350 2002 JB_{122}	14.7	X	110.14269	122.62560	164.49027	16.72160	0.0184312	0.18211942	3.0824678	21	11 30.4	19.4
127351 2002 JD_{123}	14.5	X	71.90550	160.79730	158.84446	13.94991	0.2143813	0.17575802	3.1564043	21	12 15.9	19.6
127352 2002 JC_{124}	14.5	X	50.73226	201.13237	101.44497	13.76271	0.0032601	0.17278067	3.1925616	21	10 9.5	19.2
127353 2002 JU_{125}	15.5	X	149.52716	334.77780	236.25949	10.78899	0.0323275	0.22553562	2.6729610	21	10 15.8	19.3
127354 2002 JF_{126}	14.9	X	319.75595	289.87947	183.36845	15.88074	0.1502959	0.18761437	3.0219827	21	—	—
127355 2002 JX_{126}	14.6	X	322.96778	348.60501	65.26543	23.41023	0.0862131	0.17531420	3.1617291	21	11 3.6	18.8
127356 2002 JB_{128}	15.4	X	319.39090	119.24894	184.24715	6.76758	0.0361876	0.21068573	2.7971299	21	6 4.7	19.2
127357 2002 JP_{128}	15.1	X	174.26768	323.62751	178.35741	8.68343	0.0777947	0.21932277	2.7232043	21	8 16.7	19.2
127358 2002 JF_{129}	16.5	X	186.81042	125.93425	55.24508	2.24657	0.0695143	0.22665727	2.6641353	21	10 22.9	20.5
127359 2002 JH_{129}	15.2	X	264.61854	289.56892	218.01276	3.75377	0.1497198	0.18348086	3.0672007	21	11 23.9	19.2
127360 2002 JM_{132}	15.2	X	199.39742	311.78602	231.94516	3.90781	0.0506019	0.17917017	3.1162018	21	11 3.6	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127361 2002 JY_{132}	15.7	X	356.81019	306.00684	346.98442	3.77513	0.0761225	0.21440002	2.7647307	21	7 14.8	19.1
127362 2002 JF_{134}	15.3	X	175.98079	245.37921	219.66217	12.52397	0.1715990	0.21726829	2.7403445	21	7 2.2	20.0
127363 2002 JG_{134}	14.7	X	354.62188	319.75127	33.88359	10.19344	0.1342108	0.17082546	3.2168759	21	10 2.3	18.6
127364 2002 JN_{134}	16.3	X	11.78374	182.90084	105.86382	0.34137	0.0772166	0.21590885	2.7518352	21	8 1.9	19.6
127365 2002 JO_{134}	15.6	X	297.97693	220.16109	54.01270	2.39779	0.0250750	0.20425280	2.8555561	21	3 31.3	19.4
127366 2002 JG_{135}	15.0	X	99.29335	163.39428	231.59926	8.03542	0.0984407	0.19149530	2.9810137	21	1 10.5	19.1
127367 2002 JZ_{135}	15.3	X	120.51565	290.92906	19.96870	1.74928	0.1579594	0.18119768	3.0929124	21	—	—
127368 2002 JC_{136}	16.7	X	160.61992	275.29045	238.34446	5.63489	0.0574854	0.27070917	2.3666502	21	8 17.9	20.0
127369 2002 JC_{143}	15.2	X	319.22654	184.30926	108.20451	9.44882	0.2016903	0.20963622	2.8064577	21	4 30.1	18.7
127370 2002 JJ_{144}	14.4	X	31.95369	242.93021	118.93318	16.83660	0.2225402	0.17630908	3.1498238	21	12 21.8	18.7
127371 2002 JT_{144}	14.7	X	207.34188	354.06962	171.04838	17.33220	0.1260097	0.17720545	3.1391928	21	10 17.5	19.7
127372 2002 JF_{145}	15.1	X	179.75132	150.24792	128.55362	14.91757	0.0180934	0.18612060	3.0381305	21	—	—
127373 2002 JT_{145}	14.6	X	104.32087	170.87119	138.18337	18.13391	0.1276422	0.17940857	3.1134406	21	12 26.7	19.7
127374 2002 KE	14.9	X	70.52653	148.48174	131.38689	14.48342	0.1336997	0.22312422	2.6921850	21	10 29.5	19.0
127375 2002 KN	15.0	X	249.34016	121.64369	148.53391	22.58439	0.1656331	0.19123990	2.9836672	21	1 17.4	20.0
127376 2002 KH_{1}	16.7	X	19.03206	161.17411	183.21233	22.60811	0.1021523	0.37459127	1.9058891	21	12 6.2	19.1
127377 2002 KP_{2}	15.4	X	129.75455	163.12260	149.83832	1.54756	0.1569540	0.18187098	3.0852743	21	—	—
127378 2002 KZ_{2}	15.0	X	106.24457	230.19156	63.53126	2.42823	0.1617845	0.17733226	3.1376961	21	12 11.9	20.1
127379 2002 KR_{3}	14.5	X	92.76955	204.84477	148.52834	22.74961	0.0900785	0.18034968	3.1026000	21	—	—
127380 2002 KR_{5}	15.3	X	82.14163	166.16905	129.10141	1.98290	0.1497973	0.17170675	3.2058594	21	11 19.4	20.1
127381 2002 KT_{5}	14.9	X	80.40990	9.13266	252.14825	7.56869	0.3181781	0.21686946	2.7437031	21	10 29.4	19.5
127382 2002 KQ_{6}	14.9	X	218.79157	58.83392	150.98604	16.94541	0.0928569	0.18538069	3.0462091	21	12 23.7	19.6
127383 2002 KK_{7}	14.9	X	159.58719	176.65850	112.15334	13.87097	0.1521736	0.24110059	2.5566457	21	—	—
127384 2002 KS_{13}	15.1	X	279.56307	338.88372	232.85751	9.39891	0.0566144	0.19004859	2.9961228	21	—	—
127385 2002 KT_{14}	14.7	X	110.60015	140.28927	168.43168	15.78028	0.0596643	0.17744807	3.1363308	21	12 26.2	19.6
127386 2002 LB_{2}	15.1	X	167.75622	315.19709	339.80607	2.09789	0.2768942	0.18019815	3.1043391	21	—	—
127387 2002 LR_{4}	15.3	X	338.75831	118.86865	111.35832	9.13267	0.1717021	0.20098616	2.8864139	21	3 14.1	18.8
127388 2002 LF_{5}	14.1	X	105.95743	108.78934	159.77608	12.18242	0.1429551	0.17266850	3.1939441	21	11 13.8	19.2
127389 2002 LW_{6}	14.6	X	44.65420	166.30537	202.24150	9.62400	0.0906549	0.17702657	3.1413072	21	12 25.6	19.1
127390 2002 LO_{8}	15.3	X	151.20693	160.18085	142.24604	4.95885	0.2099266	0.18137433	3.0909039	21	—	—
127391 2002 LT_{8}	14.8	X	67.22018	153.57749	180.88598	5.18117	0.2159689	0.17282872	3.1919698	21	12 26.7	19.7
127392 2002 LJ_{9}	14.7	X	186.21111	141.33405	94.78302	11.86775	0.0509281	0.17985854	3.1082457	21	12 21.6	19.4
127393 2002 LL_{10}	14.5	X	95.18295	164.19177	96.34676	15.39636	0.0559528	0.16959974	3.2323565	21	10 19.4	19.4
127394 2002 LR_{11}	16.3	X	114.33513	107.48096	112.62527	6.96774	0.1829010	0.27111164	2.3643074	21	10 7.6	20.0
127395 2002 LP_{13}	14.8	X	179.50331	281.12610	266.41780	6.81503	0.1570927	0.17526198	3.1623571	21	10 10.8	20.1
127396 2002 LQ_{17}	15.4	X	196.25401	164.55995	111.68236	2.50398	0.1926225	0.18507428	3.0495704	21	—	—
127397 2002 LQ_{18}	15.2	X	155.62709	142.59760	135.54558	1.83140	0.1468887	0.17946266	3.1128150	21	—	—
127398 2002 LD_{19}	15.7	X	186.18475	185.15359	61.13050	6.16713	0.1050264	0.23250908	2.6192449	21	—	—
127399 2002 LT_{21}	15.0	X	229.89623	296.36233	268.70352	4.96142	0.1188459	0.18414701	3.0597993	21	12 25.7	19.4
127400 2002 LW_{24}	14.7	X	75.81488	99.55131	203.55653	12.65591	0.1140022	0.17343173	3.1845667	21	11 18.5	19.4
127401 2002 LK_{25}	15.3	X	76.58526	140.93014	70.44212	13.77077	0.1434003	0.21750041	2.7383944	21	8 7.2	19.2
127402 2002 LP_{27}	15.1	X	328.94592	13.14748	266.23060	6.13241	0.2394170	0.20093511	2.8869028	21	4 16.0	18.4
127403 2002 LT_{29}	15.1	X	204.38166	130.76333	171.86705	6.25547	0.2061192	0.18908559	3.0062870	21	1 16.9	20.2
127404 2002 LX_{30}	15.2	X	144.81960	154.93248	123.73433	3.61434	0.1558879	0.17960143	3.1112114	21	12 27.8	20.3
127405 2002 LT_{32}	14.3	X	107.89213	164.62239	124.06350	17.63336	0.1722722	0.17611522	3.1521348	21	12 11.0	19.6
127406 2002 LD_{33}	15.1	X	261.15643	331.89575	188.95763	15.92985	0.2197278	0.18357364	3.0661672	21	11 27.0	19.5
127407 2002 LA_{35}	15.2	X	195.89799	145.14791	160.67335	10.77303	0.1666456	0.18855040	3.0119730	21	1 13.1	20.3
127408 2002 LP_{37}	14.4	X	177.86123	135.58183	146.79979	18.18049	0.1159590	0.18054391	3.1003745	21	—	—
127409 2002 LE_{38}	14.9	X	154.30062	310.51582	48.57396	9.88088	0.1112696	0.19165595	2.9793477	21	2 6.4	19.6
127410 2002 LF_{45}	14.9	X	136.91890	259.32434	50.58782	2.69408	0.1147055	0.18207420	3.0829781	21	—	—
127411 2002 LS_{48}	15.0	X	354.59665	279.56949	142.06599	12.42849	0.1199613	0.17824894	3.1269294	21	12 26.4	19.0
127412 2002 LA_{51}	14.3	X	6.49531	306.16291	84.45347	26.40183	0.0901787	0.17690665	3.1427267	21	12 4.9	18.4
127413 2002 LS_{53}	15.6	X	16.10792	120.73874	138.68734	8.74997	0.1216863	0.21028214	2.8007078	21	6 30.8	18.8
127414 2002 LQ_{57}	14.5	X	114.06812	70.40789	251.97297	20.47723	0.0778542	0.18178087	3.0862938	21	—	—
127415 2002 NG_{6}	15.4	X	249.17747	111.98029	175.10928	2.32931	0.1192226	0.18972388	2.9995404	21	2 8.9	20.0
127416 2002 NF_{10}	15.5	X	143.44274	138.86918	156.24604	1.83438	0.1472046	0.17656813	3.1467423	21	—	—
127417 2002 NK_{11}	15.2	X	175.14848	152.46567	157.44344	1.34465	0.0893109	0.18268131	3.0761438	21	—	—
127418 2002 NB_{19}	14.8	X	170.61000	28.42332	250.82703	3.95640	0.1126970	0.17727102	3.1384187	21	—	—
127419 2002 NU_{24}	15.1	X	276.55176	4.45287	245.10632	5.16934	0.2977765	0.19010535	2.9955264	21	1 6.9	20.1
127420 2002 NZ_{26}	16.4	X	23.98616	64.17161	253.83180	2.93342	0.1338334	0.26260309	2.4151058	21	10 14.2	18.9
127421 2002 OE_{7}	14.5	X	197.00347	322.12823	273.70106	11.61168	0.2527000	0.17561065	3.1581699	21	12 17.2	19.9
127422 2002 OX_{11}	14.8	X	63.56531	126.41321	186.80817	14.99533	0.2128988	0.21778078	2.7360436	21	12 6.4	19.1
127423 2002 OF_{13}	15.0	X	229.53228	97.52008	172.95647	10.77841	0.0762385	0.18481169	3.0524584	21	1 3.9	19.9
127424 2002 OJ_{15}	14.7	X	293.56578	272.13411	225.61212	8.61580	0.0169413	0.17452778	3.1712198	21	—	—
127425 2002 OL_{18}	15.0	X	127.08897	129.73975	164.63391	14.67063	0.1099954	0.17146398	3.2088847	21	12 27.8	20.3
127426 2002 OV_{21}	14.4	X	107.32699	213.45994	165.45025	9.69397	0.3102399	0.12428585	3.9766887	21	2 9.7	20.4
127427 2002 OE_{23}	14.7	X	182.53218	337.28836	294.33274	15.98686	0.1813902	0.17894470	3.1188189	21	—	—
127428 2002 PX	16.4	X	196.26118	343.36214	250.59279	19.28687	0.0357249	0.37935920	1.8898861	21	—	—
127429 2002 PK_{5}	16.3	X	78.24455	305.18143	262.91244	8.61002	0.1529464	0.25748070	2.4470317	21	8 1.0	19.6
127430 2002 PD_{14}	16.6	X	109.81949	253.11206	152.60679	7.66433	0.1045428	0.28930423	2.2641205	21	1 17.5	19.0
127431 2002 PB_{15}	15.0	X	192.14140	94.67098	161.88683	5.41337	0.0974537	0.17805222	3.1292321	21	—	—
127432 2002 PE_{15}	15.0	X	140.82605	44.99175	238.24840	2.67157	0.1543531	0.17414489	3.1758664	21	12 28.7	20.2
127433 2002 PO_{16}	14.6	X	180.91889	301.58267	304.97439	8.10432	0.0562234	0.17456101	3.1708173	21	12 27.2	19.3
127434 2002 PA_{17}	15.3	X	238.59122	15.59802	217.33002	4.02256	0.1407219	0.18196335	3.0842301	21	—	—
127435 2002 PX_{21}	14.6	X	176.41034	1.64650	252.64848	4.38143	0.0491258	0.17375466	3.1806197	21	12 30.9	19.4
127436 2002 PD_{32}	15.3	X	221.62392	151.69615	165.00069	2.97693	0.1987729	0.18775628	3.0204599	21	2 15.7	20.3
127437 2002 PZ_{51}	15.1	X	170.72767	342.39324	339.12979	4.53917	0.1627928	0.18131140	3.0916191	21	1 12.2	20.1
127438 2002 PF_{52}	15.3	X	216.62495	278.20568	344.11584	4.78024	0.1197797	0.18129196	3.0918401	21	—	—
127439 2002 PY_{59}	15.5	X	186.57735	186.92538	156.50514	13.73651	0.1923194	0.23556313	2.5965569	21	2 12.8	19.9
127440 2002 PE_{66}	15.0	X	210.57218	116.87611	151.33329	5.80217	0.1092408	0.18234171	3.0799620	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127441 2002 PK_{66}	15.2	X	173.18761	125.61175	143.28376	9.63556	0.0362943	0.17647995	3.1477903	21	—	—
127442 2002 PW_{66}	14.0	X	112.01387	211.14757	155.69435	6.11392	0.2949905	0.12547378	3.9515492	21	1 30.3	20.0
127443 2002 PX_{69}	14.5	X	225.82757	310.63304	273.38282	15.30910	0.1886690	0.17740809	3.1368020	21	—	—
127444 2002 PQ_{71}	15.2	X	346.48848	85.65057	178.77729	11.97157	0.1453598	0.20162607	2.8803035	21	5 15.5	18.6
127445 2002 PP_{84}	14.4	X	212.04846	277.78811	346.67494	13.20997	0.1398279	0.17898341	3.1183692	21	—	—
127446 2002 PD_{102}	15.6	X	211.27660	36.12921	162.05985	15.97156	0.0945468	0.22313977	2.6920600	21	12 8.9	19.8
127447 2002 PY_{112}	16.9	X	13.82770	308.97128	312.31070	17.86335	0.0519892	0.35830659	1.9632074	21	6 26.9	18.8
127448 2002 PY_{118}	13.7	X	84.24991	128.87159	271.74727	7.24393	0.1489704	0.12372499	3.9886975	21	1 19.9	19.1
127449 2002 PM_{124}	14.3	X	121.55599	167.87817	204.14024	2.36101	0.2469120	0.12536783	3.9537753	21	2 8.3	20.3
127450 2002 PH_{125}	15.1	X	166.12781	354.08764	335.43884	4.63063	0.1677520	0.18121067	3.0927647	21	1 17.6	20.0
127451 2002 PZ_{140}	14.3	X	195.22873	239.98791	35.63993	17.03415	0.2048120	0.18059133	3.0998317	21	—	—
127452 2002 PN_{156}	15.6	X	126.01333	199.03944	141.03103	1.40127	0.0670355	0.17739384	3.1369699	21	—	—
127453 2002 PK_{163}	16.0	X	300.79291	132.05401	112.46658	0.64960	0.1868067	0.19231231	2.9725648	21	2 4.2	20.4
127454 2002 PN_{169}	15.1	X	89.77608	15.59581	23.46048	0.74868	0.2009609	0.17742549	3.1365969	21	1 22.4	19.2
127455 2002 QJ_{6}	16.3	X	326.98612	122.65917	256.96358	20.90859	0.1861231	0.36497164	1.9392329	21	10 13.6	17.7
127456 2002 QV_{26}	15.5	X	160.60705	236.07761	34.41965	1.03041	0.1879317	0.17238215	3.1974802	21	12 30.3	20.9
127457 2002 QM_{28}	14.9	X	88.05157	345.40502	359.72473	6.05883	0.1314508	0.17281974	3.1920804	21	—	—
127458 2002 QF_{40}	16.0	X	142.60942	321.79076	63.74547	5.00553	0.1919603	0.23715868	2.5848977	21	2 26.8	19.9
127459 2002 QS_{42}	15.3	X	216.55780	296.94104	343.00646	15.57499	0.1970664	0.18432740	3.0578026	21	1 4.9	20.7
127460 2002 QJ_{47}	14.8	X	236.75771	277.91414	43.63773	10.05148	0.0826777	0.18821876	3.0155100	21	3 16.9	19.5
127461 2002 QV_{49}	15.3	X	204.96944	265.65617	350.25938	9.22341	0.1825724	0.17724136	3.1387688	21	—	—
127462 2002 QY_{49}	15.5	X	334.97808	159.85995	20.65481	5.45051	0.1955167	0.23512301	2.5997962	21	—	—
127463 2002 QC_{65}	15.6	X	282.13438	62.49357	171.96104	11.88770	0.1233514	0.18690092	3.0296683	21	1 10.6	20.3
127464 2002 RQ_{6}	16.7	X	44.75336	20.56853	253.96264	1.17707	0.0812756	0.31201285	2.1528861	21	9 12.0	19.0
127465 2002 RY_{32}	14.5	X	145.50100	114.33815	190.26723	7.69323	0.2763359	0.17355876	3.1830125	21	—	—
127466 2002 RA_{40}	16.1	X	58.79024	196.36156	148.42299	7.61685	0.1385648	0.27092530	2.3653914	21	—	—
127467 2002 RX_{41}	17.0	X	181.46803	187.01999	129.58778	2.58837	0.1760847	0.28542410	2.2845936	21	—	—
127468 2002 RC_{86}	14.5	X	60.24597	306.68207	11.79259	6.92056	0.0554341	0.16011818	3.3587340	21	11 6.0	19.2
127469 2002 RP_{94}	13.8	X	161.31357	185.04516	153.98666	3.33164	0.2492965	0.12560784	3.9487370	21	2 3.8	20.4
127470 2002 RY_{98}	14.7	X	162.62736	211.23481	85.08821	2.20963	0.1431309	0.17157378	3.2075155	21	—	—
127471 2002 RD_{110}	15.8	X	194.64739	21.17898	224.69296	5.65455	0.0747706	0.27504783	2.3416963	21	—	—
127472 2002 RD_{113}	14.3	X	204.96022	288.29969	329.92234	15.17388	0.1757868	0.17986019	3.1082267	21	—	—
127473 2002 RX_{125}	16.3	X	21.11523	125.49185	194.15046	6.17203	0.1342595	0.26122465	2.4235945	21	10 13.2	18.6
127474 2002 RW_{140}	14.9	X	233.96370	235.07177	48.22165	10.52605	0.0794771	0.18173758	3.0867838	21	1 27.4	19.7
127475 2002 RC_{141}	16.5	X	358.88435	205.24205	76.13220	6.46679	0.1075787	0.30499377	2.1857915	21	6 29.9	18.2
127476 2002 RF_{153}	16.4	X	233.04610	39.51517	260.45069	5.13398	0.1836742	0.28992499	2.2608875	21	1 23.2	20.1
127477 2002 RS_{211}	16.6	X	210.58218	126.68898	227.75209	1.68966	0.2097269	0.24012822	2.5635429	21	3 17.4	20.8
127478 2002 SX_{19}	16.5	X	33.85026	36.75056	294.03292	17.82880	0.0700242	0.36772909	1.9295264	21	11 27.5	18.8
127479 2002 SE_{23}	16.1	X	110.21057	87.20024	181.31612	7.35957	0.0805102	0.26540787	2.3980608	21	11 24.5	19.5
127480 2002 SU_{28}	16.2	X	279.44454	156.10488	137.40104	9.13834	0.1311217	0.29471346	2.2363309	21	3 7.3	19.2
127481 2002 ST_{29}	14.8	X	270.03958	72.67845	153.23097	6.76883	0.1127048	0.17903242	3.1178000	21	—	—
127482 2002 SK_{36}	16.2	X	13.30227	250.25284	73.82597	4.58717	0.1286462	0.25847914	2.4407261	21	10 7.1	18.7
127483 2002 SE_{44}	16.4	X	144.93713	202.94581	169.02194	1.48138	0.0399104	0.23148485	2.6269653	21	1 23.4	20.0
127484 2002 SA_{45}	16.6	X	244.69574	140.77579	160.31517	3.22350	0.1887948	0.29027629	2.2590630	21	2 4.2	20.3
127485 2002 ST_{54}	15.9	X	131.61621	293.82691	49.25597	7.64769	0.1439022	0.28137224	2.3064739	21	—	—
127486 2002 SJ_{64}	15.5	X	238.34475	15.56178	39.97310	6.20783	0.1644652	0.20071786	2.8889856	21	7 1.0	20.0
127487 2002 TP_{3}	14.9	X	200.04648	261.62451	48.14037	2.10331	0.1624810	0.17875202	3.1210597	21	1 23.8	20.1
127488 2002 TE_{11}	16.8	X	158.70643	70.68817	202.76913	2.81169	0.1310187	0.27505466	2.3416575	21	—	—
127489 2002 TN_{16}	17.0	X	135.72167	232.20711	158.50246	6.77810	0.0949789	0.28518602	2.2858649	21	2 1.7	19.9
127490 2002 TU_{18}	16.2	X	109.34402	314.72851	335.14718	1.70014	0.2121456	0.27047832	2.3679966	21	12 26.0	20.0
127491 2002 TV_{21}	16.4	X	272.19115	276.70617	28.23148	6.81054	0.1724096	0.29504783	2.2346410	21	3 10.7	19.6
127492 2002 TC_{23}	16.5	X	320.30538	59.88761	194.03831	7.81430	0.1757485	0.29430856	2.2383816	21	2 21.9	19.3
127493 2002 TU_{29}	17.0	X	285.80587	226.72729	196.08056	3.46815	0.0842497	0.30945936	2.1647129	21	10 1.5	19.1
127494 2002 TR_{30}	16.9	X	106.90188	218.22638	204.97343	5.43483	0.1659039	0.28268291	2.2993391	21	2 17.1	19.5
127495 2002 TW_{30}	15.6	X	24.37623	156.52994	203.23040	5.34852	0.0682923	0.21064097	2.7975261	21	11 23.6	19.1
127496 2002 TL_{39}	14.8	X	81.70237	144.34634	226.65915	8.44521	0.2568062	0.21910564	2.7250032	21	—	—
127497 2002 TS_{44}	15.0	X	77.50039	228.87913	177.37762	5.40828	0.1608074	0.17139134	3.2097914	21	1 8.5	19.0
127498 2002 TQ_{47}	16.5	X	203.38283	36.80973	50.92635	3.23425	0.0848109	0.29958099	2.2120412	21	7 12.3	19.4
127499 2002 TF_{56}	15.3	X	60.67405	109.06179	238.71263	4.54996	0.0989239	0.21596078	2.7513940	21	12 29.2	19.2
127500 2002 TH_{57}	17.0	X	335.20266	130.38118	210.46828	21.34710	0.0886946	0.35951766	1.9587961	21	8 18.1	19.2
127501 2002 TN_{59}	16.2	X	355.72831	119.52973	213.47845	20.49825	0.0866883	0.36144924	1.9518113	21	9 21.8	18.1
127502 2002 TP_{59}	16.9	X	108.45731	19.46857	169.99999	22.85162	0.0514299	0.35793216	1.9645763	21	8 4.6	19.3
127503 2002 TR_{59}	15.9	X	225.49587	265.13094	275.51810	19.47671	0.1150626	0.37094151	1.9183702	21	12 31.3	17.5
127504 2002 TW_{66}	16.5	X	147.62892	268.10228	57.27106	20.83987	0.1000467	0.33004059	2.0737567	21	—	—
127505 2002 TF_{80}	15.1	X	20.12363	335.94116	92.10992	9.88308	0.1174407	0.21732942	2.7398306	21	—	—
127506 2002 TA_{91}	15.3	X	178.44883	200.42160	230.18596	5.45848	0.2223927	0.18843300	3.0132240	21	5 26.2	20.4
127507 2002 TU_{131}	15.9	X	212.47988	7.02066	331.52331	6.95355	0.1451937	0.29011286	2.2599113	21	2 22.6	19.3
127508 2002 TU_{216}	14.5	X	354.57960	6.12595	107.68406	16.35386	0.0527547	0.17267870	3.1938183	21	—	—
127509 2002 TP_{220}	16.2	X	319.48993	267.10573	208.98697	21.02268	0.0710431	0.37795341	1.8945695	21	—	—
127510 2002 TM_{229}	16.1	X	304.12941	19.19353	184.02901	2.98781	0.1413667	0.28074150	2.3099273	21	—	—
127511 2002 TY_{233}	15.7	X	257.40224	34.07765	289.56542	8.88196	0.1134421	0.24136353	2.5547885	21	3 23.4	19.7
127512 2002 TE_{240}	14.8	X	113.66513	269.27198	205.81769	15.23288	0.0735631	0.18598644	3.0395913	21	5 7.4	19.1
127513 2002 TD_{250}	16.8	X	77.81251	141.31579	158.77682	2.40248	0.1851416	0.26559287	2.3969471	21	12 8.2	20.4
127514 2002 TS_{295}	16.3	X	297.14126	245.43071	244.15524	18.61807	0.0876114	0.37134912	1.9169662	21	—	—
127515 Nitta	15.7	X	191.81764	126.78890	137.22668	6.79232	0.0839048	0.22291940	2.6938338	21	—	—
127516 Oravetz	16.5	X	260.64876	183.98038	72.45851	7.49094	0.0801753	0.28431599	2.2905258	21	1 1.1	19.6
127517 Kaikepan	14.9	X	100.71583	307.55695	93.16079	14.52904	0.0708784	0.17323930	3.1869244	21	1 21.8	19.4
127518 2002 UH_{16}	16.0	X	166.46789	243.27336	77.40601	7.12707	0.1359609	0.27920085	2.3184170	21	—	—
127519 2002 UJ_{16}	14.2	X	171.64117	201.62772	128.30960	7.01278	0.2472923	0.12392716	3.9843584	21	2 1.8	20.8
127520 2002 UQ_{29}	16.6	X	329.32880	52.53686	67.27642	22.58626	0.0901911	0.37385977	1.9083743	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127521 2002 VK_{14}	15.0	X	12.09596	239.67459	241.44312	23.21362	0.3289588	0.26890008	2.3772531	21	—	—
127522 2002 VD_{24}	16.8	X	221.17324	199.29536	232.55188	1.68328	0.1022283	0.29878574	2.2159645	21	7 9.2	19.7
127523 2002 VN_{47}	15.0	X	175.56003	13.10809	110.11254	11.02053	0.0406995	0.19269349	2.9686433	21	7 26.3	19.2
127524 2002 VV_{59}	16.4	X	201.84826	236.95232	64.52598	7.87153	0.1166226	0.27999936	2.3140071	21	—	—
127525 2002 VE_{60}	14.8	X	249.79953	311.26023	65.19396	12.79727	0.1657061	0.19218861	2.9738402	21	5 24.6	19.5
127526 2002 VU_{100}	14.7	X	227.36771	285.23182	10.78618	9.89006	0.2838197	0.17944911	3.1129717	21	1 30.2	20.4
127527 2002 VT_{114}	15.4	X	120.82304	258.64107	69.82851	9.84853	0.1988244	0.21879479	2.7275835	21	—	—
127528 2002 VM_{119}	15.9	X	197.79270	344.90303	44.84034	8.60525	0.1054197	0.28899289	2.2657463	21	4 17.0	19.0
127529 2002 VL_{125}	16.5	X	356.96923	171.16875	315.94388	7.08619	0.0676749	0.27349013	2.3505795	21	—	—
127530 2002 VX_{127}	16.0	X	43.28855	303.23478	75.48925	22.92123	0.1061563	0.37217074	1.9141438	21	—	—
127531 2002 WS_{5}	16.3	X	196.19549	251.46785	56.49547	6.99483	0.1905290	0.28030040	2.3123500	21	1 4.3	20.0
127532 2002 WH_{9}	12.8	X	11.89986	170.09637	90.89619	10.94577	0.0103086	0.08439424	5.1474743	21	6 23.7	19.6
127533 2002 WZ_{9}	15.6	X	170.21826	254.28274	77.29561	15.79602	0.1160798	0.22530442	2.6747893	21	1 12.6	19.7
127534 2002 WR_{17}	12.3	X	96.89634	47.18213	127.65769	14.75473	0.0440758	0.08252971	5.2247139	21	6 28.4	19.3
127535 2002 XL_{14}	16.4	X	29.84550	246.66755	81.21004	6.40642	0.2569302	0.31100981	2.1575125	21	12 8.0	18.8
127536 2002 XO_{26}	14.8	X	316.99020	221.48719	43.89357	11.81229	0.0711523	0.18138219	3.0908146	21	4 12.3	19.0
127537 2002 XU_{29}	16.5	X	300.54988	291.78786	111.03556	6.00803	0.1032914	0.30280685	2.1963030	21	9 26.9	18.5
127538 2002 XV_{45}	16.5	X	187.01857	315.11639	262.89143	17.73223	0.0587093	0.36549663	1.9373755	21	—	—
127539 2002 XV_{46}	16.6	X	202.16713	126.85715	54.67035	22.84078	0.0244400	0.36178384	1.9506077	21	12 6.5	18.7
127540 2002 XQ_{63}	16.2	X	43.74823	69.00286	272.35472	18.15098	0.0883467	0.36453331	1.9407871	21	12 30.8	18.2
127541 2002 XZ_{65}	16.0	X	195.58803	189.38417	335.80189	19.08033	0.0432535	0.35735255	1.9667000	21	10 21.1	18.7
127542 2002 XR_{66}	15.9	X	156.87347	201.63531	72.83110	6.14132	0.2147918	0.26680612	2.3896751	21	—	—
127543 2002 XA_{73}	16.5	X	352.87647	20.17120	12.82995	2.31592	0.0390439	0.31182837	2.1537352	21	12 10.3	18.8
127544 2002 XD_{81}	16.4	X	311.52494	313.08098	59.62616	6.54832	0.2239496	0.30189180	2.2007388	21	8 10.2	18.0
127545 Crisman	16.2	X	153.00064	226.05673	247.23178	4.11574	0.0913337	0.29106099	2.2550009	21	6 17.5	19.1
127546 2002 XU_{93}	8.0	X	8.64367	27.68008	90.38889	77.95562	0.6823003	0.00183937	65.9716613	21	5 14.7	22.3
127547 2002 XG_{94}	15.8	X	342.65192	168.89935	82.67153	9.04739	0.1630983	0.23855269	2.5748178	21	4 15.2	18.7
127548 2002 YM	16.5	X	179.70029	19.60125	82.44348	5.33716	0.0868154	0.29197333	2.2503009	21	7 3.5	19.6
127549 2002 YH_{1}	16.1	X	116.66192	201.85946	296.73616	3.39096	0.1362947	0.28602271	2.2814049	21	6 13.9	19.2
127550 2002 YB_{2}	16.4	X	211.04620	183.18083	355.55211	18.66798	0.0801685	0.36112908	1.9529648	21	12 5.5	19.0
127551 2002 YQ_{3}	16.3	X	55.14559	24.95871	331.84259	18.11753	0.1014459	0.36597895	1.9356729	21	—	—
127552 2002 YF_{5}	15.7	X	157.96572	326.07354	30.21000	24.03403	0.2956987	0.27421008	2.3464633	21	2 20.6	20.1
127553 2002 YN_{9}	14.9	X	81.51492	309.25215	277.12400	13.55767	0.1274320	0.24166693	2.5526498	21	8 21.9	18.7
127554 2002 YW_{9}	15.9	X	297.33244	325.18380	95.10960	8.76753	0.0644764	0.25145338	2.4859806	21	10 15.8	19.0
127555 2002 YT_{11}	16.2	X	229.18464	276.48715	107.15617	6.70509	0.1384318	0.29074230	2.2566484	21	5 12.0	19.5
127556 2002 YW_{11}	16.4	X	204.62369	294.83276	267.91445	4.23486	0.0438399	0.31206424	2.1526498	21	12 29.7	18.9
127557 2002 YA_{12}	15.2	X	152.47276	68.10328	94.01391	22.66378	0.2407102	0.28959548	2.2626021	21	9 5.5	19.5
127558 2002 YM_{23}	15.9	X	238.20414	218.90296	115.83495	7.40309	0.1516879	0.28525129	2.2855162	21	3 18.4	19.4
127559 2002 YZ_{23}	16.5	X	339.97176	99.58259	320.64491	0.62063	0.1755396	0.25912590	2.4366632	21	12 28.6	18.6
127560 2002 YQ_{26}	16.4	X	318.59414	40.14628	311.13597	2.83729	0.0416529	0.29737420	2.2229713	21	8 10.9	18.7
127561 2002 YC_{28}	16.4	X	59.03909	297.95150	93.40633	2.26181	0.1940150	0.26677921	2.3898358	21	—	—
127562 2002 YH_{31}	17.3	X	214.65822	206.53057	209.54580	1.18544	0.2237820	0.29261516	2.2470091	21	6 3.5	21.0
127563 2002 YF_{32}	16.1	X	46.16566	283.59250	97.35511	24.32563	0.0619597	0.37374782	1.9087554	21	—	—
127564 2003 AX	16.1	X	324.39084	186.64803	213.82805	5.11310	0.0467938	0.30499615	2.1857801	21	11 5.4	18.1
127565 2003 AM_{5}	16.8	X	39.42159	116.97145	305.50465	0.40875	0.1663706	0.26779029	2.3838166	21	—	—
127566 2003 AL_{6}	15.0	X	165.75363	280.59164	133.57806	28.87700	0.1886169	0.22864132	2.6487008	21	5 3.2	20.0
127567 2003 AS_{8}	15.5	X	215.09669	2.62981	147.95114	26.81931	0.2445735	0.29775257	2.2210877	21	10 11.3	19.3
127568 2003 AV_{9}	15.7	X	282.91530	165.04060	108.15422	8.90397	0.0603316	0.22474854	2.6791979	21	3 5.6	19.5
127569 2003 AQ_{13}	16.4	X	176.44493	272.95188	247.77320	4.56983	0.0502525	0.29876699	2.2160572	21	9 19.4	19.3
127570 2003 AH_{16}	15.3	X	189.77374	281.78535	105.50671	13.84686	0.1842850	0.23681256	2.5874158	21	4 16.7	19.9
127571 2003 AM_{17}	16.1	X	51.45928	348.94190	313.17847	16.98663	0.0673016	0.35475050	1.9763053	21	10 30.2	18.7
127572 2003 AR_{30}	16.6	X	157.29703	251.70096	290.08228	4.95534	0.0589117	0.29904469	2.2146851	21	9 24.2	19.5
127573 2003 AT_{30}	16.0	X	111.69393	152.07967	275.59452	0.90778	0.0675162	0.22378978	2.6868446	21	2 26.8	19.4
127574 2003 AG_{34}	16.3	X	92.33049	299.71083	67.75649	7.50915	0.2376553	0.27063548	2.3670798	21	—	—
127575 2003 AL_{41}	16.2	X	226.15535	94.17941	282.97013	7.59938	0.1094921	0.28539074	2.2847716	21	4 26.7	19.5
127576 2003 AT_{41}	16.1	X	126.39491	189.42621	241.42834	5.79008	0.0835920	0.27766512	2.3269577	21	3 13.7	19.2
127577 2003 AF_{44}	17.3	X	242.27116	41.39793	14.10880	4.47349	0.2055070	0.29772308	2.2212343	21	6 30.6	20.6
127578 2003 AA_{53}	16.5	X	316.96793	130.78928	80.35269	3.69083	0.1819166	0.27009299	2.3702483	21	—	—
127579 2003 AJ_{58}	14.1	X	43.50167	123.24460	120.37309	29.26382	0.0848091	0.18200546	3.0837544	21	7 20.3	18.1
127580 2003 AD_{59}	16.8	X	115.27281	139.42213	16.41686	3.78299	0.1572567	0.28668767	2.2778758	21	7 9.9	19.9
127581 2003 AW_{59}	16.2	X	296.17616	124.32018	42.42438	2.88668	0.1773869	0.26180668	2.4200011	21	—	—
127582 2003 AK_{61}	16.1	X	107.06254	205.30596	239.29079	6.59854	0.0820926	0.27916152	2.3186348	21	3 4.9	19.0
127583 2003 AG_{64}	15.3	X	292.05099	282.48307	57.03964	15.48556	0.1722798	0.24104275	2.5570546	21	5 21.9	18.6
127584 2003 AD_{67}	13.9	X	151.84821	127.83542	121.36977	23.04792	0.2537032	0.19272286	2.9683418	21	12 6.9	19.5
127585 2003 AW_{70}	16.2	X	202.32834	312.50844	66.76275	7.32359	0.1144808	0.28358407	2.2944653	21	4 10.1	19.6
127586 2003 AY_{79}	15.9	X	176.00711	202.48690	11.99925	19.34456	0.0530421	0.35742394	1.9664382	21	12 13.2	18.6
127587 2003 AQ_{82}	16.3	X	49.60786	139.53262	124.87032	7.63194	0.1563572	0.29577028	2.2310006	21	9 19.9	18.7
127588 2003 AL_{88}	16.0	X	58.22321	259.81163	274.97882	3.63007	0.1735558	0.27846557	2.3224964	21	5 15.5	18.2
127589 2003 AS_{91}	14.8	X	347.45583	287.39957	356.68191	14.04539	0.0082065	0.18147832	3.0897230	21	6 19.8	19.4
127590 2003 BY_{1}	15.5	X	332.95715	17.74502	108.75195	5.51927	0.0173006	0.21071157	2.7969012	21	—	—
127591 2003 BF_{6}	16.8	X	191.52688	48.57509	129.84566	3.00125	0.0145391	0.30246926	2.1979369	21	11 11.1	19.4
127592 2003 BB_{7}	16.3	X	352.34907	228.70428	190.86498	1.84689	0.1149486	0.25817704	2.4426297	21	—	—
127593 2003 BC_{11}	16.4	X	317.70630	77.42092	90.50374	3.23896	0.1211412	0.26486965	2.4013083	21	—	—
127594 2003 BL_{12}	14.6	X	65.83617	67.14893	131.28772	23.86888	0.0843683	0.17710555	3.1403732	21	6 25.3	19.1
127595 2003 BN_{12}	16.0	X	66.66535	41.78989	105.42394	7.01186	0.1441059	0.27811934	2.3244235	21	4 18.4	18.4
127596 2003 BA_{15}	15.9	X	309.90368	96.87093	84.38890	3.54260	0.1748266	0.26449675	2.4035648	21	—	—
127597 2003 BK_{15}	16.1	X	81.92640	317.82907	116.83462	7.27072	0.0729617	0.27109528	2.3644025	21	1 15.9	18.8
127598 2003 BH_{16}	17.1	X	104.97735	110.17759	56.92650	3.46267	0.1172508	0.28624059	2.2802471	21	7 7.6	19.9
127599 2003 BE_{18}	16.2	X	45.64698	354.42485	65.14557	0.36600	0.1883063	0.26590216	2.3950880	21	—	—
127600 2003 BT_{18}	14.8	X	84.22812	352.00473	333.29621	14.52475	0.0920903	0.25171625	2.4842495	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127601 2003 BP_{19}	16.1	X	39.23756	60.38461	91.17719	7.53988	0.0750920	0.27508972	2.3414586	21	2 27.8	18.6
127602 2003 BY_{19}	15.6	X	21.27704	107.12579	79.17672	7.10249	0.0964891	0.27662345	2.3327958	21	3 19.9	18.0
127603 2003 BP_{21}	16.4	X	10.03514	80.18533	292.04139	3.47240	0.1598893	0.30736640	2.1745286	21	12 25.1	18.4
127604 2003 BD_{26}	16.3	X	91.88062	320.13896	175.62728	7.80626	0.0424269	0.28226917	2.3015854	21	4 23.5	19.0
127605 2003 BJ_{27}	16.4	X	56.87882	286.50576	272.79895	5.12461	0.1064658	0.28285900	2.2983847	21	6 10.2	18.7
127606 2003 BQ_{28}	16.5	X	328.26118	256.91372	241.47226	3.41635	0.1322441	0.26155044	2.4215814	21	—	—
127607 2003 BW_{30}	15.5	X	201.80828	318.60357	302.25819	8.20386	0.1270210	0.26155261	2.4215681	21	—	—
127608 2003 BH_{31}	15.4	X	249.24109	247.02013	133.90162	15.53524	0.1237402	0.23659375	2.5890109	21	6 4.7	19.5
127609 2003 BW_{31}	15.4	X	61.20970	265.58561	359.49785	12.93664	0.1371462	0.23851713	2.5750737	21	9 24.3	18.5
127610 2003 BK_{34}	16.9	X	35.96709	224.09802	304.61944	2.01183	0.1093845	0.27828483	2.3235019	21	3 14.6	19.1
127611 2003 BB_{38}	16.3	X	310.91326	135.54597	114.63311	7.26428	0.0780272	0.27750804	2.3278358	21	2 27.0	19.1
127612 2003 BG_{39}	16.3	X	126.17060	229.18792	153.11637	5.25612	0.1345264	0.27256414	2.3559003	21	1 17.8	19.1
127613 2003 BP_{44}	16.5	X	324.09161	90.86534	105.55945	2.97759	0.1529396	0.26901209	2.3765932	21	—	—
127614 2003 BX_{45}	16.6	X	119.92421	210.50651	352.49659	1.50684	0.0689520	0.29115363	2.2545225	21	9 10.1	19.5
127615 2003 BH_{49}	16.5	X	8.07618	124.60655	104.05926	2.59669	0.1927812	0.27801391	2.3250111	21	4 20.4	18.0
127616 2003 BL_{50}	15.5	X	335.58305	62.59988	142.38150	6.59876	0.0296101	0.22134290	2.7066098	21	2 15.8	18.8
127617 2003 BM_{53}	16.5	X	357.73736	341.17319	185.41177	2.22710	0.1252677	0.27066091	2.3669315	21	1 2.5	19.1
127618 2003 BN_{53}	16.6	X	175.47352	289.64207	163.56579	6.95372	0.0462202	0.28837254	2.2689945	21	6 15.5	19.6
127619 2003 BV_{53}	16.5	X	323.73181	80.40244	103.61346	4.89909	0.1088697	0.26683809	2.3894842	21	—	—
127620 2003 BY_{54}	16.8	X	178.15612	355.74077	143.85464	3.05101	0.0628075	0.29506025	2.2345783	21	8 24.5	19.4
127621 2003 BN_{55}	16.8	X	90.38283	0.65259	158.78550	4.11905	0.1227726	0.28322772	2.2963894	21	6 7.3	19.5
127622 2003 BM_{62}	16.2	X	145.04124	99.03267	77.56880	7.35023	0.1092772	0.29409288	2.2394758	21	9 10.2	19.5
127623 2003 BG_{67}	16.5	X	259.16805	18.71546	41.51996	4.72544	0.1439605	0.29637813	2.2279492	21	8 6.9	19.2
127624 2003 BP_{70}	17.2	X	152.40097	129.56420	1.38396	0.77179	0.1486813	0.28903617	2.2655201	21	7 14.9	20.6
127625 2003 BR_{72}	16.0	X	33.75767	69.56936	65.38370	5.01333	0.1536518	0.26948269	2.3738255	21	1 21.3	18.0
127626 2003 BZ_{72}	14.9	X	33.43339	309.48416	276.65250	8.52261	0.0485605	0.17800606	3.1297732	21	6 8.5	19.0
127627 2003 BP_{80}	16.0	X	220.87698	313.56901	141.26330	5.33101	0.1052797	0.23974553	2.5662701	21	8 7.9	19.6
127628 2003 BT_{81}	15.7	X	253.83978	246.17099	327.56346	5.75272	0.1162892	0.25939086	2.4350036	21	—	—
127629 2003 BJ_{89}	15.1	X	111.52184	96.32295	156.78683	10.80692	0.0765658	0.19075585	2.9887125	21	10 28.9	19.7
127630 2003 BX_{89}	16.7	X	162.53181	235.55647	253.19037	5.05292	0.1087096	0.28943079	2.2634604	21	7 20.1	19.9
127631 2003 BD_{90}	15.7	X	157.12537	243.99971	318.47813	4.00000	0.0420620	0.24383920	2.5374668	21	10 16.6	19.2
127632 2003 BK_{90}	16.6	X	76.48033	127.60126	336.94453	6.77709	0.0664273	0.27497856	2.3420895	21	2 17.5	19.0
127633 2003 CG_{2}	14.5	X	20.08371	101.70971	133.25114	10.25324	0.0428785	0.17407638	3.1766996	21	6 2.9	18.9
127634 2003 CY_{4}	16.3	X	178.25660	308.49204	92.47658	6.46755	0.1067312	0.28320260	2.2965253	21	4 12.9	19.6
127635 2003 CH_{6}	17.4	X	263.74097	133.70905	351.32463	3.33925	0.0768192	0.30540112	2.1838475	21	11 27.7	19.6
127636 2003 CQ_{7}	16.1	X	84.22903	91.61454	9.91281	7.67114	0.1530673	0.27394874	2.3479554	21	3 11.7	18.4
127637 2003 CU_{7}	15.7	X	79.53180	22.49168	125.23007	5.03609	0.2370078	0.22471253	2.6794842	21	5 28.4	19.1
127638 2003 CE_{8}	16.3	X	61.53792	142.52947	106.05652	5.41669	0.1288625	0.28807775	2.2705422	21	9 8.3	18.9
127639 2003 CO_{8}	15.6	X	82.28766	207.47270	357.15502	24.22542	0.1725262	0.28330646	2.2959639	21	8 19.9	18.9
127640 2003 CQ_{8}	15.0	X	55.73316	41.34316	120.65572	17.62995	0.0939975	0.17210403	3.2009239	21	5 1.5	19.5
127641 2003 CL_{9}	16.0	X	212.93497	126.05445	270.50710	7.74908	0.2170104	0.28749024	2.2736345	21	5 6.2	19.7
127642 2003 CO_{9}	16.2	X	330.91579	306.09116	277.46639	5.62410	0.0806388	0.27415263	2.3467911	21	2 14.1	19.1
127643 2003 CY_{9}	16.9	X	142.75401	250.61469	193.76443	3.51454	0.1112121	0.28237222	2.3010253	21	4 28.8	19.9
127644 2003 CF_{10}	15.5	X	62.00630	288.03271	312.29455	13.96184	0.0746408	0.23575925	2.5951166	21	8 11.4	18.8
127645 2003 CV_{10}	16.2	X	61.24163	193.19841	268.19967	5.84064	0.0594107	0.27136763	2.3628203	21	1 18.6	18.7
127646 2003 CX_{13}	16.0	X	101.59726	25.98203	124.09864	10.65700	0.1343006	0.28007512	2.3135898	21	6 12.3	19.1
127647 2003 CS_{15}	15.7	X	77.97105	140.80950	51.97536	7.45931	0.1815176	0.28388944	2.2928196	21	7 19.6	18.5
127648 2003 CA_{18}	17.0	X	295.92522	312.40188	139.34460	3.10744	0.1336145	0.30400303	2.1905379	21	11 29.3	18.7
127649 2003 CS_{19}	15.0	X	343.90025	271.09337	14.87101	16.19528	0.0807870	0.23105992	2.6301850	21	6 8.4	18.4
127650 2003 DC_{2}	15.5	X	132.87721	0.51285	144.86168	9.82510	0.0159295	0.18037284	3.1023345	21	6 30.6	20.0
127651 2003 DP_{2}	16.5	X	162.95381	273.85913	301.50327	6.41898	0.1056068	0.30056111	2.2072297	21	11 15.2	19.6
127652 2003 DT_{3}	16.5	X	93.76345	318.46003	152.51701	7.10206	0.0607591	0.27621737	2.3350816	21	3 25.3	19.2
127653 2003 DX_{4}	16.5	X	250.22988	171.42841	66.41944	3.58591	0.1410359	0.26092780	2.4254322	21	—	—
127654 2003 DY_{7}	17.2	X	329.89427	242.23584	250.67978	0.40837	0.1195441	0.26065844	2.4271029	21	—	—
127655 2003 DJ_{8}	14.2	X	318.56345	163.69853	158.25750	23.24072	0.1413500	0.17884430	3.1199860	21	6 17.8	18.6
127656 2003 DV_{8}	16.3	X	205.44704	140.19888	83.70521	2.68151	0.1400673	0.25316933	2.4747347	21	—	—
127657 2003 DV_{9}	16.5	X	241.35333	153.74638	56.02456	7.46737	0.1090906	0.25904533	2.4371684	21	—	—
127658 2003 DV_{10}	16.7	X	233.15026	202.19096	33.06445	2.58673	0.1622648	0.25717982	2.4489399	21	—	—
127659 2003 DC_{11}	16.7	X	153.44220	223.23922	168.08892	1.89962	0.2166485	0.27682005	2.3316911	21	3 11.8	20.2
127660 2003 DT_{12}	16.8	X	259.81815	286.74432	347.15519	0.68658	0.1706307	0.26725763	2.3869829	21	1 19.9	20.4
127661 2003 DM_{13}	16.3	X	2.54578	308.05581	288.11321	4.44474	0.0956724	0.27919222	2.3184648	21	4 23.4	18.7
127662 2003 DT_{13}	15.2	X	289.89782	343.14645	271.37179	12.45640	0.1493875	0.27051249	2.3677972	21	1 23.9	18.8
127663 2003 DK_{14}	16.3	X	347.36484	38.00666	73.70336	6.26799	0.1572832	0.26097828	2.4251195	21	—	—
127664 2003 DV_{14}	14.7	X	325.69926	145.42762	119.56101	0.97231	0.1230935	0.16976569	3.2302497	21	4 15.9	19.0
127665 2003 DE_{16}	15.9	X	180.80365	269.92521	333.98483	6.10186	0.0899025	0.25545537	2.4599485	21	—	—
127666 2003 DM_{19}	16.8	X	166.38157	293.57262	133.94060	5.96016	0.1368443	0.28378384	2.2933884	21	5 6.3	20.2
127667 2003 DH_{20}	14.3	X	16.57192	355.78038	331.77366	15.69184	0.2344197	0.24172342	2.5522521	21	10 19.3	17.2
127668 2003 DP_{20}	17.2	X	155.65809	241.52001	327.58194	2.62826	0.1027558	0.29798416	2.2199367	21	10 30.5	20.4
127669 2003 EM_{2}	16.3	X	289.36810	5.37818	167.25124	2.39909	0.1547996	0.25988076	2.4319425	21	—	—
127670 2003 ER_{2}	16.2	X	99.22912	287.72062	302.47066	1.82662	0.1508098	0.23801595	2.5786873	21	9 25.2	19.9
127671 2003 ET_{3}	15.2	X	5.75876	320.77704	329.28556	1.33111	0.0853647	0.18099800	3.0951869	21	7 24.2	19.1
127672 2003 EF_{4}	16.3	X	27.14270	339.49688	310.57953	6.48610	0.1638050	0.29122295	2.2541647	21	9 14.9	18.4
127673 2003 EK_{4}	16.5	X	329.02810	4.94536	201.64724	5.82081	0.1177229	0.26874536	2.3781654	21	1 15.5	19.6
127674 2003 EX_{4}	16.4	X	306.54731	137.00553	38.65889	3.31206	0.1442541	0.26056820	2.4276632	21	—	—
127675 2003 EO_{5}	16.5	X	76.20799	183.75840	342.36083	4.41963	0.1612490	0.28076287	2.3098101	21	5 31.7	19.1
127676 2003 EE_{6}	16.7	X	61.53972	141.62732	98.98335	4.73269	0.1726545	0.28736129	2.2743146	21	9 3.6	19.3
127677 2003 EW_{7}	16.6	X	198.96519	210.32862	222.23973	5.29407	0.1320800	0.28784164	2.2717837	21	6 13.7	20.0
127678 2003 ES_{8}	16.9	X	256.84263	275.71574	297.02911	4.87946	0.0664259	0.31460696	2.1410353	21	—	—
127679 2003 EW_{8}	16.4	X	15.88911	235.75374	278.00243	3.74599	0.0979750	0.27072804	2.3665402	21	1 17.8	18.7
127680 2003 EX_{10}	16.2	X	42.47937	324.58775	291.71182	3.35350	0.1571688	0.28520277	2.2857754	21	8 21.0	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127681 2003 EY_{10}	16.1	X	58.19885	269.10673	327.28513	5.73732	0.1237742	0.28531554	2.2851731	21	8 12.6	18.6
127682 2003 EA_{11}	15.4	X	269.84310	290.82062	329.48777	8.59606	0.1021925	0.21272649	2.7792119	21	1 28.7	19.5
127683 2003 EW_{12}	16.0	X	53.04647	329.22164	181.22268	24.03723	0.1401993	0.27239866	2.3568543	21	3 24.6	18.1
127684 2003 EV_{13}	16.8	X	45.41887	300.13578	220.22862	2.77828	0.0237830	0.27576182	2.3376525	21	3 15.6	19.6
127685 2003 ED_{14}	16.5	X	263.29032	177.84309	101.49682	7.09093	0.1081240	0.27186826	2.3599187	21	2 3.9	19.9
127686 2003 EM_{14}	15.1	X	332.52978	297.09539	1.89080	14.69499	0.1402860	0.23029492	2.6360065	21	5 31.7	18.4
127687 2003 EC_{15}	16.1	X	119.38323	318.76123	288.25732	3.89037	0.2272199	0.24194853	2.5506687	21	11 9.0	20.5
127688 2003 EC_{16}	15.6	X	219.33158	59.55098	329.85120	23.02434	0.2839257	0.28531831	2.2851583	21	4 19.6	20.2
127689 Doncapone	16.0	X	56.51999	86.37508	150.78120	7.06581	0.1545404	0.28421911	2.2910463	21	8 15.6	18.3
127690 2003 EJ_{17}	16.4	X	314.26329	207.67956	345.63486	2.21039	0.1426832	0.26435468	2.4044258	21	—	—
127691 2003 EP_{17}	16.2	X	126.20245	105.32761	58.99222	4.88898	0.1524619	0.28643981	2.2791897	21	8 3.6	19.6
127692 2003 EW_{18}	16.4	X	245.97139	44.16051	160.26038	1.60387	0.1745904	0.25611564	2.4557189	21	—	—
127693 2003 EG_{20}	16.5	X	238.57013	347.86607	250.91452	0.55431	0.1479106	0.25895482	2.4377362	21	—	—
127694 2003 EN_{20}	16.4	X	53.24615	285.78456	354.91820	2.39935	0.1520436	0.29070248	2.2568545	21	10 13.6	18.8
127695 2003 EO_{21}	16.6	X	106.62630	131.72690	335.67607	2.87801	0.1632965	0.27781334	2.3261300	21	4 21.1	19.5
127696 2003 EQ_{22}	16.0	X	64.32731	38.36459	147.14809	6.71199	0.0634452	0.28059329	2.3107406	21	5 27.9	18.6
127697 2003 EU_{22}	16.3	X	43.15186	77.43166	66.99545	3.95707	0.1857784	0.27285188	2.3542437	21	2 26.8	18.0
127698 2003 EC_{23}	15.9	X	316.29720	153.26172	62.85735	3.30037	0.1607809	0.26704321	2.3882605	21	1 7.3	18.9
127699 2003 EC_{24}	16.1	X	216.39691	186.08116	81.91587	3.42405	0.1438439	0.25971768	2.4329604	21	—	—
127700 2003 EE_{24}	16.4	X	325.85890	130.42451	15.68581	4.68314	0.0247964	0.26033549	2.4291097	21	—	—
127701 2003 EJ_{24}	16.5	X	177.17451	354.57832	108.98047	2.95995	0.1773562	0.28789044	2.2715269	21	7 3.1	20.1
127702 2003 ES_{24}	14.7	X	47.27586	78.74105	150.29322	9.45631	0.1626087	0.17536159	3.1611594	21	7 16.4	18.7
127703 2003 EE_{25}	17.2	X	196.28365	86.84293	57.38980	4.47456	0.0942280	0.29494222	2.2351744	21	9 22.5	20.3
127704 2003 EZ_{25}	15.7	X	30.77257	123.97402	134.46936	4.56066	0.0460374	0.23187872	2.6239897	21	7 17.7	18.8
127705 2003 ES_{27}	16.3	X	22.74075	3.10444	130.50285	4.12825	0.1202899	0.26724296	2.3870703	21	—	—
127706 2003 EE_{28}	16.4	X	56.50864	90.52219	132.44433	5.38825	0.0739231	0.28320964	2.2964872	21	7 10.8	18.9
127707 2003 EN_{28}	16.5	X	118.11540	56.23074	81.39387	4.47130	0.1146921	0.28139758	2.3063355	21	6 11.7	19.5
127708 2003 ES_{29}	16.5	X	97.59015	116.39836	21.65854	6.05812	0.2082774	0.27898716	2.3196007	21	5 29.5	19.5
127709 2003 ET_{29}	16.1	X	290.48349	59.86760	90.21302	3.23624	0.1606685	0.25481825	2.4640472	21	—	—
127710 2003 EZ_{31}	15.7	X	139.96883	335.81789	265.58872	5.71075	0.2348099	0.24381993	2.5376005	21	11 19.1	20.2
127711 2003 EU_{32}	16.7	X	261.41343	100.56516	160.94216	2.38679	0.1442081	0.26528805	2.3987828	21	1 7.7	20.2
127712 2003 EN_{33}	15.7	X	4.31045	103.01119	174.36392	6.29818	0.1906932	0.28181357	2.3040653	21	7 5.8	17.3
127713 2003 EU_{33}	17.4	X	176.25554	270.97279	338.76301	4.30458	0.1799142	0.30413544	2.1899021	21	—	—
127714 2003 EF_{35}	16.1	X	83.00513	313.83676	304.48476	4.80473	0.1355602	0.29139443	2.2532803	21	10 16.2	19.1
127715 2003 EN_{35}	16.4	X	105.62311	235.39238	320.07893	3.52758	0.0659868	0.28664906	2.2780803	21	8 11.0	19.2
127716 2003 ES_{37}	15.9	X	355.30883	78.11012	177.21960	1.75202	0.0802142	0.22659448	2.6646275	21	5 18.5	18.9
127717 2003 EA_{38}	15.3	X	277.83607	319.19296	290.71184	8.31905	0.1753552	0.21230961	2.7828488	21	1 15.8	19.7
127718 2003 EP_{38}	15.3	X	110.81709	324.54967	206.40604	13.80909	0.0080679	0.23270637	2.6177642	21	7 2.5	19.1
127719 2003 EK_{40}	15.2	X	115.73373	19.73351	139.65319	24.56040	0.1853478	0.28311141	2.2970184	21	7 17.9	18.7
127720 2003 ES_{41}	15.8	X	85.60895	212.92542	27.46765	3.33571	0.1772235	0.23478082	2.6023216	21	9 27.9	19.5
127721 2003 EV_{41}	17.3	X	228.06600	83.19563	123.12333	4.80412	0.1271616	0.30753978	2.1737112	21	—	—
127722 2003 EV_{43}	14.8	X	48.12093	136.74543	81.14535	2.65205	0.1007157	0.17342625	3.1846337	21	6 25.0	18.7
127723 2003 EL_{45}	16.7	X	258.76930	153.51589	294.30891	4.87179	0.1211715	0.29638456	2.2279169	21	9 15.1	19.2
127724 2003 ER_{45}	16.1	X	52.59395	75.15799	212.95896	4.69115	0.1762327	0.29007149	2.2601262	21	10 27.5	18.7
127725 2003 EE_{48}	15.8	X	350.84252	230.75935	285.24282	11.14030	0.1124514	0.26552457	2.3973581	21	—	—
127726 2003 EB_{49}	16.6	X	98.16611	76.49698	137.22267	7.14003	0.0533442	0.28788971	2.2715308	21	8 26.3	19.2
127727 2003 EE_{49}	16.3	X	100.99834	335.79824	274.94829	3.94830	0.1834208	0.23875455	2.5733663	21	10 25.2	20.3
127728 2003 EU_{49}	15.8	X	144.41945	191.68427	22.79653	7.05269	0.0945966	0.24305033	2.5429544	21	10 19.7	19.6
127729 2003 EO_{50}	15.5	X	160.07176	0.98151	4.08428	4.58138	0.0377217	0.21499630	2.7596165	21	2 6.6	19.3
127730 2003 EF_{52}	15.8	X	8.31161	192.98370	135.01889	10.00885	0.0620652	0.23876819	2.5732683	21	9 25.3	18.9
127731 2003 ER_{52}	16.4	X	239.77572	6.11962	93.51532	7.99021	0.0844854	0.29601297	2.2297811	21	9 18.7	19.2
127732 2003 EW_{57}	15.2	X	28.21041	89.49813	128.85826	12.74606	0.1110783	0.22095914	2.7097428	21	5 26.8	18.5
127733 2003 EB_{58}	15.6	X	320.45220	117.02586	73.63206	24.69811	0.1860990	0.26170964	2.4205993	21	—	—
127734 2003 EP_{59}	16.3	X	112.05253	152.99566	321.67879	7.93462	0.1970029	0.27902892	2.3193693	21	5 11.3	19.6
127735 2003 FU	15.5	X	41.48587	70.48309	111.65214	23.91036	0.2232812	0.27641061	2.3339931	21	5 12.9	18.0
127736 2003 FN_{2}	15.5	X	345.45498	258.07755	29.14771	15.28938	0.0698110	0.22752814	2.6573329	21	6 14.8	19.0
127737 2003 FZ_{5}	16.2	X	56.26174	296.03223	328.16380	2.73120	0.0925272	0.23340233	2.6125579	21	9 8.5	19.5
127738 2003 FH_{8}	15.1	X	125.81480	299.03308	167.24324	4.79258	0.0359625	0.17102961	3.2143156	21	5 7.5	19.7
127739 2003 FW_{8}	17.2	X	332.75056	156.55715	165.77650	2.40087	0.0952254	0.28583467	2.2824054	21	7 15.2	19.2
127740 2003 FS_{9}	15.0	X	336.97379	254.17663	85.97094	13.66859	0.2139049	0.23693620	2.5865156	21	8 15.3	17.4
127741 2003 FG_{11}	15.8	X	23.86676	322.65206	156.14844	4.16009	0.0502133	0.20948581	2.8078009	21	1 3.0	19.4
127742 2003 FC_{12}	14.8	X	46.22983	263.80899	8.14676	13.92218	0.2323496	0.17765640	3.1338785	21	9 22.8	18.9
127743 2003 FH_{12}	15.4	X	314.85901	203.94520	28.86904	16.77328	0.1544701	0.21746049	2.7387295	21	2 14.9	19.4
127744 2003 FN_{12}	16.2	X	328.83883	201.17043	328.95450	4.99885	0.0819098	0.26156143	2.4215136	21	—	—
127745 2003 FV_{13}	16.0	X	349.70038	138.87414	158.80832	4.29222	0.1372863	0.28198897	2.3031097	21	7 6.4	17.8
127746 2003 FG_{14}	15.6	X	266.91050	55.61568	204.54919	3.69823	0.0577701	0.21290060	2.7776965	21	1 27.3	19.5
127747 2003 FR_{14}	16.5	X	7.01032	53.54498	236.91889	1.46363	0.1615633	0.28447025	2.2896977	21	8 4.3	18.0
127748 2003 FN_{16}	16.7	X	199.66669	123.19690	44.92735	5.48858	0.1074358	0.29578667	2.2309182	21	10 26.2	19.5
127749 2003 FS_{16}	15.2	X	256.46981	143.72197	175.53017	8.34741	0.1808088	0.27152053	2.3619332	21	3 12.5	18.8
127750 2003 FV_{16}	16.4	X	98.21224	12.46399	101.53099	8.34081	0.2070427	0.27769606	2.3267849	21	5 1.1	19.3
127751 2003 FV_{20}	16.3	X	186.74480	242.88134	297.27361	5.08642	0.1047033	0.29535979	2.2330673	21	10 24.5	19.4
127752 2003 FZ_{20}	15.3	X	328.71680	332.73267	244.74289	8.57447	0.1096570	0.21277761	2.7787668	21	2 9.3	19.1
127753 2003 FB_{21}	16.4	X	103.54245	308.95068	322.60318	4.98896	0.1060075	0.29390744	2.2404177	21	11 24.6	19.5
127754 2003 FB_{24}	17.0	X	277.22648	9.49242	201.33243	0.78959	0.1364631	0.26070898	2.4267892	21	—	—
127755 2003 FD_{28}	17.2	X	49.76996	16.52480	286.03604	2.26954	0.1755587	0.29193007	2.2505232	21	11 12.2	19.8
127756 2003 FJ_{28}	16.3	X	292.53904	162.27104	121.53248	7.48628	0.1045309	0.27108298	2.3644740	21	3 18.3	19.4
127757 2003 FM_{28}	14.6	X	67.37464	211.58206	80.53080	12.20621	0.1345518	0.18448743	3.0560341	21	11 3.0	19.1
127758 2003 FO_{30}	16.9	X	67.88735	69.49539	50.74961	5.74556	0.1798491	0.27238271	2.3569463	21	3 15.9	19.0
127759 2003 FV_{31}	16.5	X	176.75198	282.25821	44.32719	1.68668	0.2000221	0.26059140	2.4275191	21	1 13.4	20.3
127760 2003 FM_{32}	15.8	X	288.93044	322.45395	33.09116	2.96754	0.0904007	0.23025987	2.6362740	21	6 23.0	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127761 2003 FL_{34}	17.3	X	90.30736	294.31771	163.62743	1.06438	0.1406914	0.27245376	2.3565365	21	3 12.9	19.8
127762 2003 FC_{38}	16.8	X	67.15171	346.99506	313.73960	0.60196	0.0641796	0.24172414	2.5522470	21	11 7.8	20.2
127763 2003 FO_{38}	16.0	X	113.12916	71.32964	284.33734	1.84498	0.1895561	0.25709099	2.4495040	21	—	—
127764 2003 FW_{39}	15.6	X	313.93861	359.74684	59.29869	3.01799	0.0275462	0.19007750	2.9958190	21	10 27.4	19.6
127765 2003 FL_{40}	16.3	X	236.67669	77.35705	242.18795	1.89281	0.1788818	0.26821625	2.3812921	21	2 22.6	20.2
127766 2003 FA_{42}	17.1	X	231.23324	232.55386	354.39545	2.66614	0.1301061	0.30902409	2.1667451	21	—	—
127767 2003 FS_{42}	16.8	X	351.50804	267.23201	6.41481	2.05280	0.2182145	0.27888591	2.3201621	21	5 21.8	18.3
127768 2003 FS_{44}	16.3	X	12.50999	119.29863	158.08556	4.11081	0.1794548	0.28215626	2.3021993	21	7 27.1	17.8
127769 2003 FB_{47}	15.8	X	210.96221	349.53223	24.95526	4.75186	0.0935866	0.22127494	2.7071639	21	4 15.5	20.0
127770 2003 FR_{47}	16.3	X	218.89770	235.82256	349.53973	2.16146	0.1351434	0.25261152	2.4783765	21	—	—
127771 2003 FP_{50}	15.1	X	304.19297	95.51200	136.91071	7.14899	0.2203905	0.21288429	2.7778384	21	1 16.1	19.1
127772 2003 FO_{52}	16.2	X	152.95671	128.70751	51.40841	8.71799	0.1462694	0.23830013	2.5766368	21	9 20.1	20.4
127773 2003 FV_{52}	14.3	X	15.34330	223.44999	85.38531	10.80713	0.2382028	0.17971551	3.1098947	21	9 24.8	17.8
127774 2003 FA_{53}	16.1	X	49.96978	176.34686	336.75641	11.29555	0.0975519	0.27150311	2.3620341	21	3 15.7	18.6
127775 2003 FH_{53}	15.6	X	298.19033	4.83837	85.87133	11.10202	0.0712665	0.24763273	2.5114856	21	11 23.9	18.5
127776 2003 FP_{53}	15.7	X	85.95366	153.75268	55.59223	14.49056	0.0778500	0.23134984	2.6279872	21	8 8.9	19.5
127777 2003 FT_{53}	15.6	X	98.18681	180.41261	50.65188	15.62108	0.0436480	0.23636834	2.5906566	21	9 22.2	19.4
127778 2003 FY_{53}	15.2	X	291.05541	198.28623	92.25102	11.09809	0.2094752	0.21682064	2.7441149	21	3 20.8	19.4
127779 2003 FN_{54}	16.2	X	188.22891	59.75017	119.84333	2.48436	0.0701633	0.24172176	2.5522638	21	10 24.9	19.7
127780 2003 FU_{54}	15.4	X	77.32437	167.03178	68.93854	12.43687	0.1865331	0.23094831	2.6310324	21	9 20.2	19.4
127781 2003 FO_{55}	15.7	X	261.05792	14.74928	321.70297	5.40109	0.0564821	0.22553893	2.6729349	21	4 23.9	19.6
127782 2003 FR_{57}	16.7	X	96.35472	117.82162	28.92013	3.15137	0.0988042	0.27984896	2.3148361	21	5 23.3	19.5
127783 2003 FL_{60}	15.6	X	215.30388	250.78905	93.73912	6.24536	0.0674332	0.21793792	2.7347283	21	3 17.9	19.7
127784 2003 FD_{63}	16.5	X	52.22903	52.45626	77.02840	3.47759	0.1362460	0.27091818	2.3654328	21	2 20.2	18.6
127785 2003 FE_{63}	15.9	X	264.96782	69.21859	142.26175	6.11348	0.0836346	0.25859801	2.4399781	21	—	—
127786 2003 FM_{63}	16.7	X	58.28164	335.23289	129.44724	3.17259	0.1555994	0.26862744	2.3788613	21	1 25.6	18.8
127787 2003 FF_{66}	16.6	X	46.88393	143.35314	127.38281	3.24312	0.1527268	0.28637983	2.2795079	21	9 21.5	19.1
127788 2003 FL_{66}	16.2	X	327.52699	231.51827	70.34175	3.54311	0.1706262	0.27890631	2.3200490	21	5 22.7	18.3
127789 2003 FR_{66}	16.5	X	17.41766	175.84330	127.07789	6.81323	0.1374710	0.28710620	2.2756615	21	9 18.2	18.6
127790 2003 FC_{72}	16.0	X	57.99503	252.90795	57.65872	5.70954	0.2051688	0.29276299	2.2462526	21	12 6.9	19.0
127791 2003 FP_{72}	15.4	X	128.24405	279.18497	48.08551	13.53641	0.0418347	0.20036487	2.8923777	21	—	—
127792 2003 FS_{72}	16.8	X	249.59694	6.26363	142.56698	8.11079	0.0883538	0.30145809	2.2028491	21	12 9.6	19.3
127793 2003 FZ_{72}	16.6	X	311.17615	106.64520	151.11740	2.28775	0.1589705	0.26974043	2.3723131	21	2 24.2	19.7
127794 2003 FA_{73}	16.6	X	237.00500	300.01810	158.82288	4.58941	0.0557372	0.29193895	2.2504776	21	9 13.5	19.1
127795 2003 FU_{73}	15.6	X	272.59330	242.22082	96.14320	8.17133	0.1362941	0.27613028	2.3355726	21	5 1.9	18.8
127796 2003 FO_{74}	16.1	X	1.39292	209.42994	56.22562	10.97866	0.1052528	0.27897069	2.3196920	21	6 8.2	18.2
127797 2003 FB_{75}	15.3	X	295.51483	208.49155	58.38815	10.48270	0.1235855	0.21353102	2.7722267	21	3 8.2	19.3
127798 2003 FQ_{75}	16.6	X	60.32200	27.14449	250.74030	6.51521	0.0999160	0.29267494	2.2467031	21	10 9.1	19.4
127799 2003 FB_{76}	16.6	X	218.76633	195.27633	299.94179	6.03324	0.0440027	0.29650356	2.2273208	21	10 8.6	19.4
127800 2003 FL_{76}	16.7	X	334.46458	148.04275	136.62117	4.06638	0.1595802	0.27840876	2.3228123	21	5 12.2	18.9
127801 2003 FL_{77}	16.0	X	326.83695	301.44532	351.45302	6.14921	0.1920960	0.27738590	2.3285190	21	4 30.5	18.3
127802 2003 FM_{77}	16.8	X	44.90319	291.96168	339.62012	5.52523	0.0397399	0.28815823	2.2701194	21	8 30.4	19.3
127803 Johnvaneepoel	15.8	X	116.94254	46.23400	171.99238	14.81559	0.0485701	0.23831477	2.5765312	21	9 20.9	19.4
127804 2003 FH_{80}	16.2	X	30.36488	167.17693	75.69123	4.62890	0.1993093	0.28040921	2.3117518	21	7 14.1	18.0
127805 2003 FE_{81}	15.2	X	269.35823	228.78867	43.42049	12.39817	0.1825674	0.21182132	2.7871238	21	2 7.7	19.8
127806 2003 FO_{81}	14.7	X	140.59227	263.56388	48.11746	16.05398	0.2316648	0.19698766	2.9253424	21	—	—
127807 2003 FK_{82}	15.9	X	63.28327	203.51925	66.65830	7.76042	0.1420951	0.23381279	2.6094994	21	10 8.2	19.4
127808 2003 FU_{82}	16.2	X	80.30281	200.65918	92.14124	5.89835	0.1718041	0.29296835	2.2452028	21	12 4.6	19.3
127809 2003 FQ_{83}	16.1	X	54.17832	163.90252	73.22553	4.74640	0.2183706	0.28115302	2.3076727	21	8 26.0	18.6
127810 Michaelwright	16.5	X	318.39403	256.36415	316.25454	4.07354	0.1218271	0.26615494	2.3935712	21	1 11.3	19.5
127811 2003 FS_{85}	16.1	X	124.91782	277.67687	338.94297	3.12683	0.2347615	0.23971376	2.5664969	21	11 25.0	20.5
127812 2003 FT_{85}	16.1	X	251.85034	213.61384	338.81292	4.61076	0.0751763	0.25251592	2.4790020	21	—	—
127813 2003 FG_{86}	16.6	X	36.18931	312.69657	305.89087	2.95714	0.1349604	0.28387190	2.2929141	21	8 10.1	18.7
127814 2003 FT_{86}	14.9	X	264.13872	42.62935	242.81702	6.65726	0.1894449	0.21284533	2.7781774	21	2 10.2	19.5
127815 2003 FG_{87}	15.9	X	77.11264	283.07050	327.19169	9.80153	0.0925394	0.28916010	2.2648727	21	9 20.3	18.8
127816 2003 FH_{88}	16.1	X	56.67457	5.58198	103.83534	5.25956	0.1117956	0.26741579	2.3860416	21	1 28.0	18.3
127817 2003 FK_{88}	14.7	X	42.61454	255.33609	58.90707	9.27422	0.1798131	0.18314435	3.0709568	21	11 2.9	18.7
127818 2003 FL_{88}	16.2	X	177.26378	82.42803	146.75202	5.15423	0.1339067	0.30047100	2.2076709	21	12 18.7	19.3
127819 2003 FZ_{88}	16.7	X	179.94165	184.20858	348.07951	5.78804	0.0344975	0.29374925	2.2412220	21	10 11.3	19.6
127820 2003 FV_{90}	16.6	X	95.57083	223.28489	321.79331	6.52847	0.0744259	0.28272728	2.2990985	21	7 15.0	19.3
127821 2003 FE_{91}	16.5	X	127.95921	276.72651	294.69243	4.29088	0.0825598	0.29084558	2.2561142	21	9 29.9	19.7
127822 2003 FV_{91}	15.1	X	269.25462	170.03559	176.97917	23.11878	0.2527455	0.27645073	2.3337673	21	4 25.9	18.9
127823 2003 FD_{92}	15.8	X	174.57559	193.62345	30.52859	15.30230	0.1179382	0.19217852	2.9739443	21	11 20.9	20.7
127824 2003 FK_{92}	16.5	X	81.75043	49.98751	83.44050	3.13852	0.1398639	0.27496580	2.3421620	21	4 20.8	18.9
127825 2003 FR_{92}	14.7	X	60.52006	244.20392	30.23014	16.73330	0.2121495	0.17970095	3.1100626	21	10 12.7	19.1
127826 2003 FY_{92}	16.4	X	0.85513	79.34243	130.65548	5.71192	0.0800225	0.27163026	2.3612970	21	3 19.1	18.9
127827 2003 FB_{93}	16.3	X	152.15964	50.92878	102.50562	5.01517	0.0985134	0.28696787	2.2763928	21	8 13.6	19.5
127828 2003 FH_{93}	16.1	X	246.11612	131.64059	57.78047	6.53326	0.1122342	0.25189510	2.4830734	21	—	—
127829 2003 FH_{94}	15.3	X	180.66073	108.92697	39.25153	22.29077	0.0660361	0.23543216	2.5975198	21	9 17.4	19.5
127830 2003 FP_{94}	16.0	X	290.00505	122.75192	109.20443	5.54057	0.1517542	0.26233955	2.4167230	21	—	—
127831 2003 FQ_{94}	16.1	X	348.96049	199.83752	85.54499	7.53091	0.1099803	0.27852147	2.3221856	21	6 16.3	18.0
127832 2003 FS_{101}	16.9	X	161.39067	199.80091	10.55940	5.45790	0.0909021	0.29718673	2.2239061	21	11 7.4	20.0
127833 2003 FU_{103}	16.5	X	110.83237	226.05548	359.12319	7.80206	0.0672424	0.29092096	2.2557244	21	9 28.8	19.4
127834 2003 FR_{104}	16.8	X	182.21195	69.96474	164.02740	2.61633	0.1149506	0.30114098	2.2043953	21	12 31.9	19.9
127835 2003 FX_{104}	16.4	X	353.10726	45.04911	93.59010	3.31501	0.1349460	0.26308439	2.4121594	21	—	—
127836 2003 FW_{106}	15.8	X	46.37886	58.81544	182.37520	6.41286	0.0804388	0.28127716	2.3069937	21	7 21.7	18.4
127837 2003 FP_{107}	16.3	X	85.34413	23.24051	166.64046	7.08670	0.0761682	0.28110761	2.3079212	21	7 5.9	19.1
127838 2003 FU_{107}	15.1	X	103.37584	318.31470	211.19895	10.47576	0.1971736	0.22510307	2.6763841	21	7 15.9	19.3
127839 2003 FV_{107}	16.9	X	218.74812	261.65597	298.20663	4.37732	0.0999110	0.30379451	2.1915402	21	—	—
127840 2003 FL_{108}	15.4	X	88.60807	161.79400	51.88949	4.69309	0.0344725	0.23079085	2.6322289	21	8 8.1	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127841 2003 FN_{108}	15.1	X	29.78568	236.30645	51.99036	17.57352	0.2373477	0.17714297	3.1399310	21	9 27.4	19.1
127842 2003 FC_{109}	16.7	X	242.64581	1.21965	109.33878	7.29978	0.1432591	0.29537664	2.2329823	21	9 28.5	19.5
127843 2003 FG_{109}	16.1	X	225.20494	264.89648	46.07500	11.66073	0.1733736	0.26356301	2.4092382	21	2 8.4	20.2
127844 2003 FL_{109}	15.6	X	342.96578	186.66414	92.26973	14.34711	0.1562178	0.22152118	2.7051575	21	5 27.3	18.5
127845 2003 FY_{109}	15.2	X	181.48814	116.40108	216.37937	4.04941	0.2057333	0.26260150	2.4151156	21	1 23.6	19.2
127846 2003 FO_{111}	12.4	X	356.11765	101.32544	276.49431	6.19755	0.0485434	0.08188856	5.2519498	21	10 13.7	19.1
127847 2003 FT_{111}	17.0	X	221.91132	261.53295	232.57262	3.64739	0.0827177	0.29579951	2.2308536	21	10 8.1	19.8
127848 2003 FW_{111}	16.0	X	100.22393	173.90743	119.34873	7.22078	0.1974691	0.29676575	2.2260087	21	12 25.8	19.5
127849 2003 FY_{111}	16.1	X	166.00524	154.53394	116.32684	7.54714	0.1765796	0.30326710	2.1940803	21	—	—
127850 2003 FC_{112}	17.0	X	157.77928	316.77284	303.39135	1.97897	0.1624349	0.30193264	2.2005404	21	—	—
127851 2003 FW_{112}	16.4	X	257.31727	203.35671	60.72863	2.95094	0.1852737	0.26427818	2.4048898	21	1 5.7	20.4
127852 2003 FA_{113}	16.8	X	286.02613	75.46234	170.86765	2.84627	0.1454285	0.26295616	2.4129435	21	1 13.7	20.4
127853 2003 FB_{113}	15.8	X	160.34951	126.67929	183.16875	4.83513	0.1634404	0.30604005	2.1808069	21	—	—
127854 2003 FH_{113}	16.6	X	347.29514	178.01078	10.24341	2.36719	0.1452185	0.26792818	2.3829986	21	1 14.9	19.3
127855 2003 FQ_{114}	16.2	X	197.67896	101.33515	82.97216	8.38314	0.1180145	0.24248446	2.5469091	21	11 7.8	20.0
127856 2003 FR_{114}	16.0	X	0.20290	130.15759	132.82469	6.41104	0.1402337	0.27590937	2.3368191	21	6 2.9	18.1
127857 2003 FZ_{114}	16.2	X	30.67611	164.62952	126.35353	7.29993	0.1940370	0.28643079	2.2792375	21	10 4.8	18.5
127858 2003 FJ_{115}	14.7	X	46.93307	198.49080	69.91219	6.01223	0.1439359	0.17541656	3.1604990	21	9 7.1	18.8
127859 2003 FP_{115}	16.4	X	271.65262	336.34402	328.04072	5.50042	0.1002001	0.27331847	2.3515636	21	3 15.6	19.7
127860 2003 FS_{115}	15.7	X	123.99591	186.47582	7.05111	5.05581	0.1705010	0.23337006	2.6127988	21	9 7.1	19.7
127861 2003 FE_{116}	16.3	X	335.15310	245.56913	7.52608	6.18501	0.0932805	0.27346936	2.3506985	21	4 3.7	18.9
127862 2003 FT_{116}	17.0	X	118.98460	65.89869	147.04130	3.32714	0.1280017	0.28885146	2.2664858	21	9 28.3	20.2
127863 2003 FE_{118}	16.2	X	16.54954	144.75107	99.19968	6.58569	0.0750336	0.28060718	2.3106643	21	6 4.4	18.6
127864 2003 FM_{118}	15.9	X	46.52579	138.00509	68.15479	5.12773	0.2129961	0.22526276	2.6751191	21	6 21.3	18.7
127865 2003 FK_{119}	16.7	X	311.44614	79.94945	110.54383	2.23976	0.1316442	0.26169752	2.4206740	21	—	—
127866 2003 FR_{119}	16.1	X	85.09053	238.18074	24.85820	0.89105	0.0448494	0.23772708	2.5807758	21	10 9.2	19.5
127867 2003 FS_{119}	16.7	X	253.21127	111.58455	155.51452	1.36366	0.1702855	0.26166961	2.4208462	21	1 6.4	20.3
127868 2003 FT_{119}	16.7	X	299.96687	251.59393	16.97708	2.42780	0.1732816	0.26884759	2.3775625	21	2 23.5	20.0
127869 2003 FW_{121}	15.7	X	197.19817	3.07900	193.85017	13.06743	0.0999672	0.24386679	2.5372754	21	11 24.0	19.5
127870 Vigo	15.0	X	337.28968	156.27914	84.93488	27.08543	0.0922288	0.21538129	2.7563270	21	4 16.9	19.1
127871 2003 FC_{128}	7.0	X	72.61203	36.72884	78.47060	2.37295	0.0826470	0.00479517	34.8283849	21	4 7.4	22.3
127872 2003 GV	16.2	X	10.41694	299.29677	333.92788	3.83859	0.2388218	0.28198047	2.3031561	21	7 21.6	17.3
127873 2003 GN_{1}	15.8	X	49.39551	18.50114	181.12354	6.67877	0.0568418	0.27616103	2.3353992	21	5 23.8	18.5
127874 2003 GP_{1}	15.7	X	41.00720	146.67246	177.51863	4.60556	0.1455983	0.29085463	2.2560674	21	11 27.2	18.4
127875 2003 GT_{1}	15.5	X	140.68635	46.26704	134.29518	8.33786	0.1939005	0.23304733	2.6152103	21	9 7.9	19.8
127876 2003 GN_{2}	16.0	X	106.54972	94.49738	159.83852	2.70746	0.1085336	0.23965791	2.5668956	21	10 31.6	19.8
127877 2003 GP_{3}	16.7	X	356.59543	260.43324	181.94351	5.37598	0.0476747	0.25399780	2.4693506	21	—	—
127878 2003 GH_{4}	15.6	X	59.18355	108.36393	198.31286	5.06614	0.2251009	0.29213112	2.2494905	21	12 6.3	18.7
127879 2003 GL_{4}	16.2	X	297.52854	221.25481	14.68361	4.05037	0.1119069	0.26561824	2.3967944	21	1 18.2	19.4
127880 2003 GS_{4}	16.9	X	57.44274	54.75455	159.84888	1.10261	0.0724248	0.28112350	2.3078343	21	6 29.5	19.3
127881 2003 GG_{5}	16.4	X	282.12647	72.91117	251.16251	1.91724	0.1842686	0.27526090	2.3404877	21	4 13.4	19.7
127882 2003 GX_{5}	16.1	X	85.86339	36.99651	196.39567	7.98046	0.1564283	0.28593343	2.2818798	21	9 18.9	19.2
127883 2003 GB_{6}	16.4	X	127.22726	151.10391	28.95614	6.46319	0.0932891	0.28530716	2.2852178	21	8 22.8	19.6
127884 2003 GK_{6}	16.3	X	316.95971	131.86929	77.86110	2.91308	0.1343189	0.26374246	2.4081453	21	1 4.1	19.5
127885 2003 GL_{6}	16.2	X	51.23613	116.55671	160.93493	3.23199	0.1210058	0.28619606	2.2804836	21	10 1.9	18.8
127886 2003 GO_{6}	16.2	X	312.13253	49.46262	169.91635	3.23532	0.1614394	0.26409966	2.4059734	21	1 6.4	19.3
127887 2003 GT_{6}	16.2	X	129.90660	171.65376	98.27951	5.43201	0.1783897	0.29621632	2.2287605	21	12 22.1	19.5
127888 2003 GO_{7}	16.6	X	76.06315	305.77553	16.22603	4.23801	0.1723300	0.29845398	2.2176064	21	—	—
127889 2003 GT_{8}	16.3	X	238.87013	218.71766	20.32470	1.05962	0.2085269	0.25529003	2.4610106	21	—	—
127890 2003 GE_{9}	16.3	X	42.35033	216.50637	43.48866	5.77082	0.1392795	0.28305273	2.2973358	21	8 27.9	18.7
127891 2003 GG_{9}	16.7	X	129.47448	168.69898	96.91572	1.69273	0.1100564	0.29725234	2.2235788	21	12 16.3	19.8
127892 2003 GO_{9}	16.0	X	110.31032	152.57799	87.40686	3.26666	0.1505898	0.23625715	2.5914693	21	10 20.9	20.0
127893 2003 GU_{9}	15.3	X	28.79582	152.03776	88.48382	5.48060	0.1500194	0.22370626	2.6875133	21	6 29.4	18.0
127894 2003 GD_{12}	16.1	X	152.53043	7.88003	171.75869	3.51230	0.0988470	0.23831030	2.5765634	21	9 13.7	19.7
127895 2003 GA_{13}	16.7	X	70.98857	139.70467	21.57786	3.62057	0.1596002	0.27644545	2.3337970	21	5 15.7	19.2
127896 2003 GY_{14}	15.7	X	127.00080	98.33467	124.97951	15.50201	0.0499372	0.24025462	2.5626436	21	10 16.7	19.6
127897 2003 GJ_{15}	15.0	X	185.73955	200.87584	76.64429	17.88836	0.1283633	0.19915505	2.9040795	21	—	—
127898 2003 GA_{16}	16.0	X	24.39481	203.43902	345.50700	9.33491	0.1100579	0.27202434	2.3590159	21	3 23.4	18.3
127899 2003 GG_{16}	15.0	X	166.32840	237.01841	97.25061	7.30710	0.0678632	0.20870280	2.8148194	21	1 10.0	19.0
127900 2003 GO_{16}	16.3	X	324.50977	171.88192	115.56319	7.79752	0.1696608	0.27692894	2.3310799	21	4 28.7	18.8
127901 2003 GD_{22}	17.0	X	189.19653	221.35176	351.30792	1.76482	0.1806789	0.30024070	2.2087997	21	12 4.9	20.1
127902 2003 GG_{22}	16.8	X	85.64080	297.10561	217.06995	2.19234	0.0893613	0.27724884	2.3292864	21	5 17.6	19.3
127903 2003 GT_{22}	16.0	X	119.53297	55.71144	219.94345	2.76933	0.1989818	0.29685266	2.2255743	21	12 20.5	19.6
127904 2003 GB_{23}	16.1	X	68.43941	0.67722	240.93225	3.70399	0.1427850	0.22991203	2.6389323	21	8 31.8	19.7
127905 2003 GE_{23}	15.9	X	72.33334	134.80976	186.23812	3.42783	0.2108795	0.29480021	2.2358922	21	—	—
127906 2003 GV_{23}	15.6	X	321.72810	320.66436	325.30277	24.33779	0.1057900	0.27707869	2.3302399	21	4 11.4	19.0
127907 2003 GW_{23}	16.6	X	141.97631	34.59220	222.04797	3.62547	0.1567085	0.29820203	2.2188553	21	12 16.9	19.9
127908 2003 GM_{26}	15.2	X	47.86597	101.72397	208.02013	6.01153	0.1205915	0.18516607	3.0485626	21	10 25.6	19.2
127909 2003 GU_{26}	17.9	X	305.73671	74.31044	15.32402	4.02343	0.0437611	0.30066368	2.2067277	21	12 16.1	20.2
127910 2003 GV_{26}	15.1	X	302.80237	178.14828	197.02203	14.22468	0.0814538	0.17986782	3.1081388	21	8 5.4	19.5
127911 2003 GG_{27}	15.9	X	121.09617	176.17735	79.14515	0.13395	0.2654635	0.18590286	3.0405023	21	11 17.1	21.2
127912 2003 GY_{28}	16.5	X	60.37124	129.40830	147.30626	5.53704	0.0491045	0.28925228	2.2643916	21	10 3.7	19.1
127913 2003 GD_{29}	16.0	X	329.21723	240.61198	39.19434	7.31102	0.1137761	0.27573322	2.3378142	21	4 30.6	18.3
127914 2003 GK_{29}	16.4	X	95.25361	29.78526	185.55577	7.53155	0.0866718	0.28570095	2.2831175	21	8 26.6	19.3
127915 2003 GB_{35}	15.8	X	26.31240	183.45717	106.43425	4.85827	0.0273833	0.23233350	2.6205643	21	8 24.3	19.1
127916 2003 GC_{38}	15.4	X	341.36323	188.15134	49.12782	8.30645	0.0838193	0.21851088	2.7299456	21	4 4.3	18.8
127917 2003 GW_{38}	15.5	X	244.69532	251.44859	70.85321	4.06874	0.0831527	0.22036798	2.7145867	21	3 20.0	19.4
127918 2003 GB_{40}	16.1	X	217.84001	172.08774	126.26016	7.31460	0.1431827	0.26075476	2.4265051	21	1 12.9	19.9
127919 2003 GR_{43}	16.0	X	294.03222	231.71145	91.98008	7.66121	0.1365145	0.27670581	2.3323329	21	5 8.7	18.8
127920 2003 GH_{44}	14.5	X	176.59661	353.80704	144.44600	18.50631	0.1426079	0.17806972	3.1290272	21	8 13.7	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127921 2003 GL_{44}	14.3	X	21.10478	192.92863	109.95810	22.81036	0.0596845	0.17562818	3.1579597	21	9 6.8	18.8
127922 2003 GM_{44}	14.4	X	48.70214	225.43289	80.72307	20.63079	0.1652161	0.18336669	3.0684737	21	11 5.4	18.8
127923 2003 GP_{46}	16.1	X	171.19025	139.74503	94.96011	5.18865	0.0660147	0.24711582	2.5149867	21	12 14.6	19.5
127924 2003 GO_{47}	17.2	X	8.41289	273.99567	144.75348	3.93130	0.1148404	0.30571921	2.1823324	21	—	—
127925 2003 GQ_{47}	16.0	X	193.94074	297.76498	150.35193	3.29949	0.0547006	0.22962655	2.6411191	21	7 1.8	19.8
127926 2003 GO_{48}	15.2	X	300.22404	322.96864	38.04366	12.94322	0.2029315	0.23070046	2.6329164	21	6 29.0	18.6
127927 2003 GU_{49}	16.2	X	250.46935	330.93299	156.94780	4.05206	0.1085699	0.24426197	2.5345381	21	10 28.8	19.5
127928 2003 GW_{49}	15.6	X	129.81122	296.89219	186.63795	12.85120	0.0610960	0.22461878	2.6802296	21	6 3.5	19.6
127929 2003 GL_{53}	15.7	X	353.10354	60.18689	109.96291	13.88713	0.1054432	0.26803666	2.3823556	21	1 4.3	18.5
127930 2003 GX_{53}	15.1	X	98.43258	183.81097	114.23790	13.15269	0.1150496	0.24513348	2.5285272	21	12 17.8	19.0
127931 2003 GA_{55}	16.1	X	67.69154	266.42069	42.11947	5.26081	0.0362605	0.24307377	2.5427909	21	11 14.7	19.3
127932 2003 HB_{1}	15.4	X	68.10602	91.23440	209.38591	3.61080	0.3354415	0.23465821	2.6032280	21	12 9.9	19.7
127933 Shaunoborn	16.5	X	121.45341	166.53229	83.69769	2.87831	0.1304010	0.29313784	2.2443373	21	11 18.6	19.8
127934 2003 HK_{1}	16.7	X	191.62880	202.57870	74.03197	1.45375	0.1826893	0.25289975	2.4764930	21	—	—
127935 Reedmckenna	15.7	X	65.16439	142.65858	172.94947	4.79483	0.2591139	0.23784506	2.5799223	21	12 18.1	19.7
127936 2003 HU_{1}	16.0	X	15.35385	339.98635	130.92714	7.37028	0.0761157	0.25931630	2.4354703	21	—	—
127937 2003 HZ_{1}	15.0	X	42.26524	83.57720	223.19026	9.60453	0.1019069	0.18034119	3.1026975	21	10 8.9	19.2
127938 2003 HN_{2}	16.6	X	250.02452	72.81663	149.39014	26.63741	0.2801234	0.30738712	2.1744309	21	—	—
127939 2003 HX_{2}	16.7	X	100.36843	329.12240	270.46324	0.75913	0.1368694	0.23553922	2.5967326	21	10 7.2	20.5
127940 2003 HE_{3}	14.9	X	54.94687	316.04792	29.13163	10.36795	0.1109272	0.19020299	2.9945011	21	12 15.0	19.2
127941 2003 HK_{3}	16.0	X	351.80943	42.93276	203.65215	3.66036	0.0338804	0.22083134	2.7107881	21	5 4.1	19.5
127942 2003 HR_{3}	17.2	X	125.80072	43.50485	129.50382	1.28009	0.1357021	0.28520766	2.2857493	21	8 11.9	20.5
127943 2003 HW_{3}	17.2	X	102.01699	168.61880	40.06690	1.95076	0.1552779	0.28547248	2.2843354	21	9 5.9	20.2
127944 2003 HN_{4}	15.1	X	268.03292	272.74444	71.92626	15.51464	0.2990860	0.21592244	2.7517197	21	4 24.1	19.8
127945 2003 HW_{6}	16.0	X	241.44062	210.47580	187.78158	1.63897	0.0938045	0.22890795	2.6466436	21	6 18.8	19.7
127946 2003 HD_{8}	16.5	X	84.33813	19.80545	220.52707	6.40485	0.0610790	0.28670895	2.2777631	21	9 12.1	19.5
127947 2003 HE_{8}	16.1	X	5.39578	299.61821	16.97220	1.52822	0.1273607	0.23024906	2.6363565	21	9 5.0	18.7
127948 2003 HU_{9}	16.2	X	309.13765	317.95419	188.08541	6.11383	0.1289117	0.25509237	2.4622817	21	—	—
127949 2003 HA_{10}	15.4	X	84.59982	262.80865	196.65187	6.30670	0.0570307	0.21309469	2.7760096	21	3 2.7	19.1
127950 2003 HK_{10}	15.0	X	183.48279	175.15558	23.57827	9.07913	0.0440002	0.18832664	3.0143583	21	11 4.4	19.4
127951 2003 HQ_{10}	14.9	X	32.90230	105.63196	191.81532	11.37524	0.1378839	0.17583441	3.1554900	21	9 18.4	18.9
127952 2003 HD_{11}	15.2	X	76.25239	150.33975	91.33986	6.12901	0.0231694	0.18128335	3.0919379	21	8 24.9	19.5
127953 2003 HA_{13}	15.6	X	290.26738	134.09455	161.31902	6.95341	0.0578715	0.21721934	2.7407561	21	4 12.5	19.3
127954 2003 HB_{13}	16.7	X	107.03321	47.79414	116.29884	5.07138	0.0623015	0.28005271	2.3137132	21	6 27.5	19.4
127955 2003 HY_{13}	16.0	X	92.69851	193.56592	122.90578	5.21246	0.2538844	0.24110408	2.5566210	21	—	—
127956 2003 HR_{14}	16.5	X	316.10880	7.28035	141.10651	2.54921	0.1597700	0.25713032	2.4492541	21	—	—
127957 2003 HF_{15}	15.8	X	111.93620	209.22710	79.57278	12.91725	0.1322481	0.24333869	2.5409450	21	12 19.3	19.7
127958 2003 HD_{16}	16.1	X	320.07911	187.75689	84.94505	6.37732	0.0849752	0.27118869	2.3638596	21	4 13.9	18.9
127959 2003 HD_{20}	16.8	X	251.26296	172.90509	38.14877	2.66548	0.1521894	0.25423315	2.4678263	21	—	—
127960 2003 HP_{20}	16.4	X	358.23314	216.74186	43.36290	6.91745	0.0849463	0.27613422	2.3355503	21	5 25.3	18.8
127961 2003 HA_{21}	16.6	X	319.22951	202.75356	58.59554	2.85816	0.1464825	0.26940512	2.3742812	21	3 15.8	19.4
127962 2003 HG_{21}	16.2	X	113.59806	7.58957	188.95302	9.44708	0.1388197	0.28453252	2.2893636	21	8 28.5	19.5
127963 2003 HO_{21}	15.2	X	94.25916	248.71834	43.31775	5.47661	0.1347527	0.18637565	3.0353581	21	11 27.3	19.8
127964 2003 HQ_{21}	16.0	X	11.02287	81.61688	116.01257	6.09860	0.1210599	0.26929897	2.3749051	21	3 16.4	18.3
127965 2003 HG_{22}	16.7	X	119.01311	142.07523	102.42492	3.55843	0.0644888	0.29229284	2.2486607	21	11 6.2	19.6
127966 2003 HU_{26}	16.8	X	270.84905	182.41603	118.02646	6.43586	0.2330190	0.26633864	2.3924706	21	2 28.9	20.5
127967 2003 HJ_{27}	16.2	X	134.00347	160.81841	65.52874	4.97331	0.1998965	0.23776232	2.5805208	21	10 28.2	20.5
127968 2003 HD_{28}	15.6	X	215.43999	143.11146	344.62061	3.61562	0.0953964	0.23756522	2.5819479	21	9 14.9	19.2
127969 2003 HO_{31}	16.4	X	57.94504	294.85166	20.63153	2.72878	0.1297206	0.23807382	2.5782694	21	11 23.8	19.8
127970 2003 HJ_{36}	14.5	X	31.27370	226.09531	67.27456	12.18004	0.1356603	0.17629704	3.1499673	21	9 18.8	18.7
127971 2003 HP_{36}	16.4	X	204.31052	215.73408	70.84303	3.33174	0.1752990	0.25590418	2.4570715	21	—	—
127972 2003 HP_{37}	15.9	X	19.98160	232.20138	359.88531	7.55660	0.0753440	0.27580012	2.3374361	21	5 19.9	18.4
127973 2003 HO_{38}	16.7	X	345.50570	263.71186	10.59053	2.86138	0.1547497	0.27492181	2.3424119	21	5 16.7	18.6
127974 2003 HL_{39}	16.0	X	134.81670	10.81611	286.68136	2.62462	0.1626947	0.24592994	2.5230650	21	—	—
127975 2003 HM_{39}	16.4	X	16.69456	234.72100	34.64067	4.14448	0.1854568	0.27830941	2.3233651	21	7 26.4	18.1
127976 2003 HY_{39}	16.8	X	288.56975	338.46099	259.90263	1.74623	0.1455016	0.26175523	2.4203182	21	1 6.9	20.1
127977 2003 HF_{40}	16.2	X	295.48347	226.83304	45.28080	2.74720	0.1966813	0.26574277	2.3960456	21	2 20.9	19.6
127978 2003 HL_{40}	15.7	X	289.07048	245.43035	41.70393	2.20164	0.2053841	0.21142195	2.7906326	21	3 10.8	19.7
127979 2003 HM_{40}	16.2	X	262.05332	7.77843	216.21462	1.49951	0.1433841	0.25532927	2.4607584	21	—	—
127980 2003 HC_{41}	16.2	X	103.70697	30.88142	225.19888	6.62593	0.1049984	0.29006683	2.2601504	21	11 4.9	19.2
127981 2003 HS_{41}	14.7	X	158.60616	320.62627	243.00989	13.29920	0.0793807	0.18427709	3.0583592	21	10 11.3	19.6
127982 2003 HY_{41}	15.4	X	162.80699	135.75091	43.28044	13.74345	0.0981528	0.23561120	2.5962037	21	9 29.7	19.5
127983 2003 HW_{42}	15.6	X	117.95125	356.47325	321.40919	5.17804	0.2974952	0.24338501	2.5406226	21	—	—
127984 2003 HA_{43}	15.6	X	184.48236	43.00527	163.24731	5.40770	0.1198618	0.24149843	2.5538370	21	11 20.1	19.5
127985 2003 HM_{43}	16.1	X	185.21983	134.53685	46.84284	6.65529	0.1073605	0.23994320	2.5648605	21	10 21.4	20.0
127986 2003 HN_{43}	15.1	X	124.29671	239.17525	46.21416	15.19617	0.0661542	0.19001658	2.9964593	21	12 13.9	19.7
127987 2003 HE_{45}	15.0	X	14.09181	208.75021	58.08448	6.12591	0.1376121	0.17072096	3.2181886	21	7 9.1	18.8
127988 2003 HJ_{46}	16.5	X	353.73620	76.20121	96.24111	2.26991	0.1280232	0.26485403	2.4014027	21	1 5.9	19.3
127989 2003 HL_{46}	15.6	X	63.99546	29.58246	204.92122	14.63598	0.0656097	0.22795603	2.6540065	21	7 31.9	19.4
127990 2003 HG_{48}	16.3	X	38.56039	231.58884	10.19583	7.16574	0.1095857	0.28020279	2.3128870	21	7 16.9	18.7
127991 2003 HR_{48}	14.3	X	40.87360	46.67326	243.75665	18.39995	0.2033243	0.17527428	3.1622092	21	9 25.4	18.7
127992 2003 HT_{48}	16.3	X	46.76908	153.30558	98.36773	4.89628	0.1014142	0.27988083	2.3146604	21	8 13.9	18.8
127993 2003 HU_{48}	16.1	X	16.77969	146.42071	73.76825	8.31428	0.2324803	0.27222441	2.3578600	21	4 30.9	17.4
127994 2003 HE_{49}	15.3	X	259.06508	271.66512	74.72487	9.75817	0.1482194	0.21735368	2.7396266	21	4 29.8	19.4
127995 2003 HS_{49}	15.9	X	270.40033	234.92836	44.47580	4.51545	0.0664875	0.21135724	2.7912022	21	2 26.5	19.8
127996 2003 HJ_{50}	15.4	X	254.64661	321.22369	89.32071	22.57218	0.0459502	0.22715290	2.6602587	21	7 30.5	19.3
127997 2003 HQ_{50}	16.2	X	8.79897	146.80424	100.88595	7.87889	0.0795991	0.27507620	2.3415353	21	5 28.3	18.5
127998 2003 HA_{51}	15.3	X	186.40435	62.36055	122.39315	8.08388	0.1717143	0.23891532	2.5722117	21	10 25.4	19.5
127999 2003 HF_{51}	16.2	X	183.32090	353.25258	152.12676	6.84730	0.0434728	0.28827107	2.2695269	21	9 9.4	19.0
128000 2003 HQ_{51}	15.6	X	197.10836	197.52596	210.81528	7.49756	0.1814429	0.27576830	2.3376159	21	5 10.9	19.3