Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124001 2001 FB_{77}	14.6	X	233.53183	356.96447	169.09818	7.49758	0.1165898	0.18379525	3.0637020	20	11 22.2	19.1
124002 2001 FX_{77}	14.6	X	263.07399	343.77637	175.68637	11.11408	0.0789548	0.18610810	3.0382665	20	12 24.6	18.9
124003 2001 FP_{79}	14.4	X	189.98283	315.36663	216.13365	16.98822	0.1022747	0.17923856	3.1154091	20	10 11.3	19.3
124004 2001 FG_{81}	14.4	X	114.00070	63.57645	238.66383	9.47288	0.0217399	0.18780147	3.0199753	20	12 27.8	18.7
124005 2001 FK_{81}	14.6	X	152.40285	330.55043	261.92906	7.49616	0.0581619	0.18293146	3.0733388	20	11 17.2	19.1
124006 2001 FT_{86}	14.4	X	103.67959	147.81057	152.96423	13.77354	0.0785318	0.18278566	3.0749729	20	12 19.3	19.2
124007 2001 FQ_{88}	15.8	X	171.40298	38.62191	140.44480	1.87850	0.1310760	0.17769515	3.1334228	20	10 3.3	20.8
124008 2001 FR_{90}	15.4	X	167.07478	101.00695	114.83927	2.24947	0.1180818	0.18071288	3.0984416	20	11 12.1	20.3
124009 2001 FS_{91}	15.1	X	118.07376	288.74501	17.77938	4.68159	0.0356178	0.18994468	2.9972154	20	—	—
124010 2001 FT_{91}	14.8	X	119.26245	174.45473	55.42194	6.44265	0.1245349	0.17891201	3.1191988	20	10 16.1	19.7
124011 2001 FK_{94}	14.7	X	351.97071	265.08308	57.14304	10.81331	0.0448641	0.17277683	3.1926089	20	8 27.7	19.1
124012 2001 FK_{96}	14.7	X	149.91693	159.91286	80.31322	10.76822	0.0356720	0.18253349	3.0778044	20	11 25.6	19.3
124013 2001 FK_{101}	14.4	X	259.01372	111.10303	327.19666	22.41021	0.1028359	0.17956407	3.1116429	20	9 1.1	18.8
124014 2001 FS_{101}	14.8	X	161.52837	4.02167	218.01695	8.51983	0.0892947	0.18349496	3.0670437	20	11 15.0	19.6
124015 2001 FE_{102}	14.2	X	191.67496	283.94407	322.81589	12.42562	0.1294917	0.18968600	2.9999397	20	—	—
124016 2001 FJ_{103}	15.2	X	160.96228	335.28317	197.56925	0.32140	0.1069853	0.17798271	3.1300469	20	9 15.6	20.1
124017 2001 FP_{105}	15.1	X	233.77313	225.82474	25.93176	2.04275	0.0462533	0.19805868	2.9147868	20	—	—
124018 2001 FU_{106}	15.0	X	211.66939	120.56122	141.15581	2.92738	0.0188104	0.19711705	2.9240621	20	—	—
124019 2001 FT_{107}	15.0	X	207.94183	298.53105	249.96694	11.39157	0.2409010	0.18600463	3.0393932	20	11 7.9	20.0
124020 2001 FP_{109}	15.1	X	169.95501	60.31945	108.02980	1.43495	0.1149621	0.17656709	3.1467546	20	9 19.4	19.9
124021 2001 FT_{110}	14.5	X	8.96510	144.08546	166.21807	1.04213	0.1550733	0.17119543	3.2122396	20	9 8.3	18.0
124022 2001 FU_{110}	15.2	X	266.06881	339.91831	192.60577	0.60911	0.0724802	0.19069876	2.9893089	20	—	—
124023 2001 FK_{112}	15.4	X	108.42117	344.36023	252.30504	6.10462	0.2317035	0.17528900	3.1620321	20	10 17.1	20.8
124024 2001 FO_{112}	14.9	X	286.71175	76.67353	1.86812	10.14945	0.1230851	0.18393546	3.0621450	20	10 9.4	18.7
124025 2001 FV_{114}	14.6	X	273.03538	327.16216	145.09431	11.92897	0.0556897	0.18402522	3.0611491	20	11 16.1	19.0
124026 2001 FZ_{115}	14.7	X	171.27554	169.59177	309.74951	3.92282	0.1108758	0.17040573	3.2221562	20	7 22.3	19.6
124027 2001 FS_{117}	14.4	X	133.88085	266.68808	271.55697	11.95909	0.2380346	0.17486504	3.1671410	20	8 26.8	20.1
124028 2001 FB_{119}	14.7	X	289.98157	228.64761	263.01456	7.76322	0.0588572	0.19067013	2.9896082	20	12 29.9	18.5
124029 2001 FG_{121}	15.0	X	151.14838	108.88765	170.06536	10.21290	0.0817318	0.18586742	3.0408888	20	—	—
124030 2001 FN_{121}	15.3	X	216.41279	103.65799	34.78336	13.94727	0.1225461	0.18125779	3.0922286	20	10 2.9	20.0
124031 2001 FC_{124}	14.7	X	249.68916	88.99280	350.91711	15.56733	0.2221579	0.17826119	3.1267862	20	8 15.9	19.6
124032 2001 FN_{126}	14.7	X	181.20780	92.04663	22.75703	15.90735	0.0983091	0.17152355	3.2081417	20	8 1.6	19.9
124033 2001 FP_{127}	14.5	X	119.47879	296.34022	345.87568	21.66468	0.0892741	0.18102944	3.0948284	20	12 11.3	19.7
124034 2001 FX_{129}	14.6	X	283.95815	196.08873	274.56194	3.91536	0.0720181	0.18686582	3.0300478	20	11 23.3	18.6
124035 2001 FK_{131}	14.7	X	175.22814	208.20308	306.46536	11.61328	0.1967982	0.17704045	3.1411431	20	9 1.7	20.1
124036 2001 FZ_{132}	14.3	X	116.58613	347.00452	212.03831	10.30681	0.0734038	0.17077457	3.2175150	20	8 26.7	19.3
124037 2001 FU_{133}	14.8	X	99.07427	212.38279	53.02870	6.01317	0.1409033	0.17568249	3.1573088	20	11 6.7	19.8
124038 2001 FN_{134}	15.2	X	277.02131	142.33766	23.24138	2.10490	0.1811192	0.19013539	2.9952110	20	—	—
124039 2001 FE_{135}	13.9	X	156.67661	253.37049	301.08655	19.68577	0.1909640	0.17887117	3.1196736	20	9 26.4	19.6
124040 2001 FX_{137}	14.6	X	137.00891	45.67015	164.73124	15.46686	0.1065431	0.17491588	3.1665272	20	10 9.5	19.6
124041 2001 FU_{138}	14.4	X	125.83653	275.85750	337.15780	15.84117	0.1200042	0.17925355	3.1152355	20	11 10.4	19.6
124042 2001 FF_{140}	15.5	X	106.61537	236.68916	36.40830	1.39585	0.1482220	0.17915604	3.1163657	20	11 23.2	20.4
124043 2001 FH_{140}	14.8	X	4.09094	207.73320	166.45426	10.09814	0.0305617	0.18174238	3.0867295	20	11 15.1	19.1
124044 2001 FB_{141}	15.1	X	27.61002	22.51263	203.51070	8.28713	0.2203091	0.21565633	2.7539829	20	6 28.6	18.0
124045 2001 FL_{141}	14.8	X	139.52690	216.52163	69.51648	3.40476	0.2492464	0.18315793	3.0708049	20	—	—
124046 2001 FP_{141}	14.8	X	91.12509	174.98130	37.46630	8.21232	0.0836234	0.16989252	3.2286419	20	8 22.8	19.6
124047 2001 FP_{143}	14.4	X	54.08830	265.56866	50.78631	16.15019	0.0515491	0.17714206	3.1399418	20	11 7.8	18.7
124048 2001 FH_{146}	14.6	X	122.14403	273.21067	315.09473	9.54842	0.0349211	0.17766049	3.1338304	20	10 4.3	19.3
124049 2001 FJ_{146}	14.8	X	188.85636	299.32893	223.41338	11.85010	0.0570471	0.17867847	3.1219162	20	10 1.3	19.5
124050 2001 FJ_{148}	14.4	X	104.20020	254.03451	334.38047	13.95909	0.1105302	0.17401370	3.1774625	20	9 21.4	19.3
124051 2001 FU_{150}	14.7	X	225.56384	193.90522	342.57823	9.62038	0.0360129	0.18318478	3.0705049	20	12 2.6	19.2
124052 2001 FM_{152}	14.4	X	102.44508	201.29771	63.25464	6.28720	0.1534541	0.17927663	3.1149680	20	11 10.7	19.2
124053 2001 FM_{153}	15.0	X	323.41078	265.54819	50.95206	9.56294	0.3562206	0.21296424	2.7771431	20	5 22.6	17.4
124054 2001 FO_{155}	14.6	X	80.45862	113.27036	171.65838	9.70885	0.0536231	0.18110168	3.0940053	20	11 3.6	19.1
124055 2001 FJ_{160}	14.3	X	92.38590	357.71712	257.17138	11.20582	0.1219407	0.17558374	3.1584925	20	10 12.5	19.2
124056 2001 FW_{160}	14.9	X	172.15898	233.69829	17.29586	8.12689	0.1819899	0.18389197	3.0626277	20	12 24.2	20.1
124057 2001 FH_{162}	15.2	X	289.70041	155.74777	353.45931	1.74545	0.2049493	0.19004887	2.9961199	20	—	—
124058 2001 FH_{164}	15.0	X	190.51842	165.21507	9.55525	1.63753	0.0727127	0.18053467	3.1004802	20	10 19.3	19.5
124059 2001 FL_{166}	15.1	X	177.25393	324.89000	249.31907	1.60202	0.0611513	0.18306381	3.0718574	20	11 22.5	19.7
124060 2001 FZ_{167}	15.6	X	64.94795	336.47971	24.06896	2.57602	0.0774632	0.18861038	3.0113344	20	—	—
124061 2001 FW_{168}	15.1	X	240.45442	263.94260	321.31210	9.99815	0.0980503	0.19305792	2.9649062	20	—	—
124062 2001 FG_{169}	14.5	X	159.06936	15.58112	169.94765	15.59880	0.2137260	0.17509909	3.1643180	20	9 30.1	19.9
124063 2001 FL_{171}	14.3	X	116.23477	261.85715	14.94628	18.44332	0.1850981	0.17731909	3.1378515	20	12 3.5	19.8
124064 2001 FQ_{171}	14.5	X	141.47137	118.88880	131.48108	17.21067	0.2028026	0.17989140	3.1078671	20	12 2.2	20.0
124065 2001 FO_{172}	15.2	X	141.64955	133.71461	117.13459	16.44507	0.2266061	0.17958485	3.1114029	20	12 2.6	20.8
124066 2001 FG_{175}	14.4	X	124.14557	121.23216	142.89531	14.98867	0.2220067	0.17954081	3.1119116	20	12 4.0	20.0
124067 2001 FK_{175}	14.3	X	165.70302	161.78314	52.65644	18.49945	0.1496853	0.18118263	3.0930838	20	11 8.9	19.2
124068 2001 FX_{175}	14.8	X	201.56823	123.02111	133.82763	12.52148	0.1024756	0.19176845	2.9781823	20	—	—
124069 2001 FY_{176}	14.6	X	246.96788	338.58510	129.21497	15.78703	0.1250134	0.18038037	3.1022481	20	9 30.1	19.3
124070 2001 FZ_{176}	14.2	X	51.15498	168.60066	113.38677	14.22651	0.1178541	0.17269600	3.1936050	20	10 7.5	18.8
124071 2001 FW_{192}	14.5	X	58.76909	139.98594	123.20842	10.38977	0.0604652	0.17504607	3.1649569	20	9 12.3	19.0
124072 2001 FG_{194}	14.4	X	109.52913	66.02440	90.44899	17.93841	0.1737412	0.16871461	3.2436520	20	7 11.0	19.4
124073 2001 GJ_{1}	14.3	X	115.38215	117.02115	80.34147	23.92416	0.1180195	0.17527910	3.1621512	20	9 12.2	19.6
124074 2001 GR_{1}	14.7	X	173.39165	109.80569	126.40087	14.08560	0.1314286	0.18236313	3.0797209	20	12 12.3	19.8
124075 Ketelsen	15.8	X	270.63004	238.91022	239.96938	0.48696	0.1448184	0.18420287	3.0591806	20	11 5.2	19.9
124076 2001 GG_{3}	15.9	X	144.32222	260.95999	118.51217	24.82819	0.0894190	0.35483174	1.9760036	20	2 1.1	18.0
124077 2001 GJ_{3}	16.2	X	324.31442	205.23328	133.22295	24.11603	0.0272931	0.37300699	1.9112818	20	9 2.4	17.9
124078 2001 GM_{3}	16.0	X	30.53637	154.60462	98.82161	26.14530	0.0679496	0.37064831	1.9193818	20	8 14.0	18.1
124079 2001 GQ_{3}	14.4	X	174.24038	1.11238	158.50499	28.51960	0.1233854	0.17587997	3.1549451	20	9 13.2	19.4
124080 2001 GO_{4}	15.8	X	147.96526	287.72670	109.17418	24.51874	0.1455832	0.35745617	1.9663199	20	3 19.9	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124081 2001 GY_4	14.7	X	207.70151	124.95538	54.95419	24.26717	0.2007488	0.18164330	3.0878519	20	11 5.3	19.8
124082 2001 GV_6	14.2	X	91.77827	229.32346	35.02633	22.48604	0.0822390	0.17653440	3.1471431	20	10 24.3	18.8
124083 2001 GC_{11}	16.0	X	10.27786	307.60566	356.82264	4.61078	0.1818528	0.31993714	2.1171889	20	10 7.1	17.7
124084 2001 HP_7	14.8	X	135.49380	179.90963	78.99684	2.68629	0.1383623	0.17798676	3.1299994	20	12 2.2	19.8
124085 2001 HR_8	16.1	X	78.48517	114.27864	161.95602	23.33326	0.1046452	0.37777221	1.8951752	20	12 6.5	19.1
124086 2001 HZ_{11}	14.8	X	43.02457	97.12571	198.11650	2.94688	0.2657627	0.16869345	3.2439232	20	10 27.7	19.3
124087 2001 HY_{15}	14.9	X	60.80067	158.90145	124.25313	6.10727	0.1358279	0.17157660	3.2074804	20	10 19.2	19.5
124088 2001 HP_{16}	16.7	X	154.49304	44.10594	94.76021	22.86020	0.0692133	0.37196280	1.9148571	20	8 19.5	19.4
124089 2001 HZ_{19}	14.6	X	140.32617	112.11915	137.45902	26.41839	0.2431012	0.17616906	3.1514926	20	12 2.9	20.5
124090 2001 HZ_{24}	15.5	X	204.57793	63.46386	67.40359	1.20710	0.0556201	0.17619979	3.1511261	20	9 12.9	20.1
124091 2001 HD_{27}	14.1	X	124.05223	201.65039	86.04001	18.01023	0.2106674	0.17716805	3.1396346	20	12 26.3	19.5
124092 2001 HJ_{32}	14.7	X	166.58675	215.60792	24.10516	14.79873	0.1827446	0.18091266	3.0961600	20	12 3.6	20.1
124093 2001 HB_{33}	14.4	X	187.50805	295.24038	218.88734	10.57458	0.1759214	0.17553085	3.1591269	20	9 12.5	19.7
124094 2001 HK_{33}	15.2	X	192.55341	15.66788	198.51894	4.52822	0.0785494	0.18185585	3.0854454	20	12 7.5	19.8
124095 2001 HL_{33}	15.1	X	115.32797	43.82508	212.53780	1.16843	0.1713702	0.17523130	3.1627261	20	11 12.7	20.2
124096 2001 HT_{40}	14.7	X	227.91626	107.01805	91.87586	16.02100	0.1884875	0.18547066	3.0452239	20	12 15.3	19.3
124097 2001 HZ_{40}	14.0	X	54.39529	201.80935	99.81881	20.81278	0.1311480	0.17153442	3.2080062	20	11 8.3	18.9
124098 2001 HE_{41}	14.4	X	125.70951	112.21899	165.19087	16.41899	0.2411051	0.17672223	3.1449127	20	12 18.2	20.1
124099 2001 HG_{41}	14.7	X	146.20250	112.90088	137.23371	16.71808	0.2352465	0.17738149	3.1371156	20	12 4.7	20.4
124100 2001 HS_{41}	13.7	X	332.24578	289.17919	128.55222	9.49582	0.2625255	0.12599825	3.9405760	20	11 10.1	17.9
124101 2001 HX_{41}	14.6	X	167.24818	155.36676	105.19651	4.12639	0.0832964	0.18593801	3.0401191	20	—	—
124102 2001 HG_{43}	15.4	X	156.77360	337.68567	275.37362	1.65697	0.1535432	0.18210241	3.0826597	20	12 14.3	20.5
124103 2001 HO_{43}	15.1	X	85.08569	239.96317	15.79910	3.51112	0.1577930	0.17205517	3.2015299	20	10 13.1	19.9
124104 Balcony	17.0	X	220.93491	76.38603	188.87781	2.92319	0.1623843	0.29514935	2.2341286	20	—	—
124105 2001 HN_{48}	14.9	X	147.95842	67.66265	140.80742	17.14706	0.1873993	0.17674430	3.1446509	20	10 21.9	20.4
124106 2001 HH_{49}	14.6	X	141.63519	97.78145	52.75434	26.05289	0.1719097	0.17026442	3.2239387	20	8 12.3	20.4
124107 2001 HX_{49}	14.1	X	119.83108	63.85521	175.87596	27.54439	0.1973729	0.17486305	3.1671649	20	11 1.8	19.7
124108 2001 HD_{50}	14.4	X	113.36972	131.88713	106.49345	10.68037	0.0786909	0.17683020	3.1436324	20	10 19.9	19.3
124109 2001 HK_{50}	15.0	X	147.29846	226.92785	356.59232	16.58953	0.1918689	0.17759971	3.1345453	20	10 27.2	20.5
124110 2001 HK_{53}	15.2	X	221.13167	68.59415	184.23993	8.87494	0.0926862	0.18927756	3.0042539	20	—	—
124111 2001 HQ_{53}	14.9	X	151.32181	84.46158	105.92370	6.35195	0.1450660	0.17264391	3.1942474	20	9 30.3	20.1
124112 2001 HB_{54}	17.0	X	72.26036	79.77562	186.38836	22.04582	0.0769441	0.37689119	1.8981276	20	11 10.1	19.4
124113 2001 HT_{54}	16.8	X	349.89341	214.16245	83.73605	4.74636	0.2048231	0.31652234	2.1323892	20	8 11.1	17.6
124114 2001 HX_{65}	14.3	X	112.97644	109.77882	147.92594	17.94791	0.0986924	0.17334532	3.1856249	20	11 12.4	19.5
124115 2001 JH_4	17.1	X	246.95545	227.09699	68.46918	5.00056	0.2222014	0.30002550	2.2098558	20	2 8.6	20.7
124116 2001 JS_6	14.4	X	128.36312	39.76740	220.42099	7.15612	0.1655877	0.17922242	3.1155961	20	11 28.7	19.5
124117 2001 JX_6	14.7	X	113.93496	86.46844	117.96078	5.14562	0.1114808	0.17036255	3.2227006	20	9 8.2	19.6
124118 2001 JK_8	14.1	X	219.55513	42.01356	55.59079	16.52758	0.0456200	0.16861037	3.2449888	20	8 27.9	19.1
124119 2001 JU_{10}	14.7	X	245.35776	52.54059	112.66370	10.16428	0.0915433	0.18251586	3.0780026	20	12 7.9	19.0
124120 2001 KR_2	16.7	X	172.76880	227.71455	86.11237	5.78959	0.2715481	0.29147603	2.2528597	20	1 4.1	20.2
124121 2001 KV_2	16.6	X	186.81539	45.07284	72.01884	24.51704	0.1136300	0.37298138	1.9113693	20	9 3.5	19.7
124122 2001 KY_2	16.2	X	161.60644	75.68471	69.86418	22.84672	0.0921727	0.37300299	1.9112955	20	9 18.2	19.2
124123 2001 KE_3	14.9	X	85.35108	208.52979	56.98979	6.09506	0.1384088	0.17113885	3.2129476	20	10 24.2	19.7
124124 2001 KC_4	14.6	X	176.36268	125.22040	68.17619	11.09650	0.1776638	0.17641361	3.1485795	20	10 25.7	19.9
124125 2001 KB_6	16.5	X	273.15528	300.56791	15.21932	2.36775	0.2095265	0.30698254	2.1763409	20	3 29.3	19.5
124126 2001 KE_9	14.3	X	180.25740	309.58526	243.05798	17.31207	0.1858861	0.17910449	3.1169636	20	10 21.9	19.6
124127 2001 KP_{13}	16.2	X	216.26464	163.77072	104.27169	7.56885	0.2435171	0.29024627	2.2592187	20	—	—
124128 2001 KZ_{15}	14.4	X	165.29170	166.74650	73.43779	18.46670	0.1893542	0.17911233	3.1168727	20	12 5.4	19.7
124129 2001 KF_{21}	15.2	X	143.57848	86.26509	118.07385	6.30387	0.1349466	0.17304170	3.1893502	20	10 9.4	20.3
124130 2001 KN_{45}	16.5	X	52.52778	94.40109	178.45507	5.59201	0.2116678	0.26861088	2.3789592	20	10 21.6	19.6
124131 2001 KZ_{50}	14.6	X	115.59223	18.01714	236.37743	15.07056	0.1328615	0.17530766	3.1618077	20	11 7.9	19.5
124132 2001 KK_{57}	16.6	X	292.96977	174.06522	125.30121	6.81349	0.1954686	0.30798462	2.1716177	20	4 4.9	19.2
124133 2001 KX_{64}	14.4	X	53.77336	177.06099	140.20600	18.49527	0.0825182	0.17429315	3.1740652	20	11 17.1	19.2
124134 2001 KA_{72}	16.4	X	276.39349	283.57851	26.19167	4.06702	0.1738485	0.30686787	2.1768831	20	3 29.9	19.2
124135 2001 LS	15.8	X	83.01327	224.69994	93.04620	14.69590	0.2581787	0.27517499	2.3409748	20	—	—
124136 2001 LT_2	16.5	X	196.11130	229.44810	80.83718	5.14285	0.2706603	0.29255949	2.2472942	20	1 17.8	20.4
124137 2001 LQ_5	16.2	X	160.16188	236.94163	111.52247	8.35757	0.1870937	0.28981472	2.2614609	20	1 29.8	19.5
124138 2001 LE_{12}	16.4	X	227.44414	81.69492	248.15679	6.29622	0.1456242	0.29764628	2.2216164	20	3 3.7	19.8
124139 2001 LL_{12}	16.2	X	198.35114	32.44290	261.70606	8.25941	0.1705598	0.34124444	2.0281138	20	—	—
124140 2001 LT_{17}	15.9	X	287.91628	4.96496	313.36577	5.50263	0.1280867	0.30353483	2.1927899	20	4 30.7	18.6
124141 2001 LL_{18}	15.8	X	185.23219	336.25200	107.82479	23.66883	0.0824378	0.36898864	1.9251329	20	6 30.2	17.9
124142 2001 ME_2	16.5	X	65.24439	107.49154	130.89077	25.49851	0.0265990	0.37209317	1.9144098	20	9 10.7	18.7
124143 Joséluiscorral	16.4	X	82.44047	152.88330	200.59578	1.76114	0.2502607	0.27747349	2.3280290	20	—	—
124144 2001 MG_{11}	15.9	X	101.11943	104.28955	221.09546	10.62118	0.2495680	0.27640756	2.3340103	20	—	—
124145 2001 MN_{11}	15.4	X	13.47113	44.24207	309.45188	11.99497	0.2562686	0.26523833	2.3990825	20	12 24.0	18.4
124146 2001 MQ_{12}	16.7	X	165.77366	99.46252	218.67311	0.45313	0.2727275	0.28558500	2.2837354	20	1 4.3	20.2
124147 2001 MW_{13}	16.7	X	263.15309	206.49693	86.09204	8.91788	0.0771126	0.29861873	2.2167907	20	3 7.3	19.7
124148 2001 MU_{20}	16.6	X	206.48755	282.71134	60.53877	4.89646	0.1934779	0.29561768	2.2317683	20	3 6.5	20.2
124149 2001 MG_{22}	16.2	X	199.82342	302.97705	16.74894	5.37080	0.1580485	0.29018759	2.2595233	20	1 30.5	19.7
124150 2001 NV_3	16.1	X	24.21584	110.77009	249.29001	5.62087	0.1611741	0.27134713	2.3629393	20	—	—
124151 2001 NX_4	16.4	X	137.67600	38.56481	296.70595	2.66994	0.1442336	0.28512898	2.2861698	20	—	—
124152 2001 NX_6	15.8	X	86.90600	34.16161	312.49026	6.34204	0.1661836	0.27592010	2.3367585	20	—	—
124153 2001 NT_7	16.8	X	310.05402	238.04040	56.55108	4.23008	0.1558925	0.30571246	2.1823645	20	4 28.4	18.9
124154 2001 NA_9	15.0	X	160.59246	192.65685	75.19500	2.77783	0.1887266	0.17639533	3.1487970	20	—	—
124155 2001 NU_{19}	16.7	X	139.87767	157.30292	158.19244	3.96304	0.2054196	0.28249344	2.3003670	20	—	—
124156 2001 NJ_{21}	16.1	X	115.11007	189.63513	115.39905	3.13911	0.2561854	0.27655996	2.3331528	20	—	—
124157 2001 NE_{22}	16.5	X	93.94165	221.90899	107.44480	3.82741	0.1854699	0.27526570	2.3404605	20	—	—
124158 2001 OV_2	16.2	X	115.40915	47.42648	287.98243	6.00249	0.3371162	0.27944633	2.3170591	20	—	—
124159 2001 OB_4	16.3	X	97.19254	238.23387	89.96767	6.38355	0.2290983	0.27738658	2.3285152	20	—	—
124160 2001 OD_7	16.3	X	99.57313	150.90961	158.26321	9.49011	0.2491768	0.27511490	2.3413157	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124161 2001 OK_{12}	15.6	X	79.81715	177.75469	142.89003	12.36178	0.2001599	0.27137508	2.3627770	20	—	—
124162 2001 OQ_{13}	16.6	X	179.19872	224.12935	123.03139	7.21063	0.2714095	0.28897327	2.2658489	20	2 19.5	20.5
124163 2001 OG_{14}	16.4	X	244.14157	325.81019	306.39364	6.39969	0.1529267	0.29162619	2.2520863	20	1 10.8	19.9
124164 2001 OT_{15}	17.5	X	329.57950	191.93339	76.74665	6.65767	0.1792930	0.30546749	2.1835311	20	4 21.9	19.2
124165 2001 ON_{16}	15.9	X	118.52969	289.34175	74.30603	7.99796	0.3415659	0.28140577	2.3062907	20	1 27.0	19.1
124166 2001 OE_{18}	16.6	X	211.09948	132.02399	244.00750	2.72074	0.0763474	0.30168440	2.2017473	20	4 22.2	19.3
124167 2001 OM_{18}	16.5	X	157.59013	141.88918	158.89364	5.36811	0.1753723	0.28415167	2.2914088	20	—	—
124168 2001 OQ_{18}	16.6	X	168.51663	138.68146	164.68177	6.71667	0.1364511	0.28595672	2.2817559	20	—	—
124169 2001 OD_{21}	16.2	X	351.24212	166.32164	170.51028	2.32175	0.2026855	0.26033972	2.4290834	20	10 8.1	17.9
124170 2001 OL_{21}	16.0	X	92.44147	92.38421	271.09897	2.48394	0.2508842	0.27757146	2.3274812	20	—	—
124171 2001 OU_{21}	15.8	X	63.88527	42.71729	327.61476	5.72319	0.2475741	0.27394703	2.3479652	20	—	—
124172 2001 OY_{23}	16.3	X	142.64180	254.34754	106.22565	6.71546	0.2898798	0.28680861	2.2772354	20	2 8.1	19.8
124173 2001 OJ_{24}	16.6	X	209.49008	58.54762	263.84435	3.29819	0.1726989	0.29335462	2.2432315	20	2 8.5	20.2
124174 2001 OR_{24}	14.0	X	122.99584	353.63010	348.62945	2.21073	0.2473940	0.12516521	3.9580411	20	1 13.7	20.0
124175 2001 OB_{26}	16.3	X	295.33792	111.84691	145.61683	4.45819	0.1382359	0.29892593	2.2152717	20	2 15.5	19.0
124176 2001 OJ_{32}	16.3	X	73.16109	45.42688	359.28637	5.85887	0.1556994	0.28221022	2.3019058	20	—	—
124177 2001 OK_{37}	16.7	X	65.51477	324.75219	54.68836	7.40668	0.1204778	0.27896937	2.3196994	20	—	—
124178 2001 OJ_{40}	16.2	X	103.75503	275.06067	61.84030	7.68451	0.1293979	0.27777261	2.3263574	20	—	—
124179 2001 OY_{44}	16.3	X	234.23298	351.10835	268.79474	5.62110	0.0905033	0.28931377	2.2640707	20	—	—
124180 2001 OY_{45}	16.4	X	159.33767	251.66894	100.71238	4.32729	0.0754566	0.29035738	2.2586424	20	1 22.2	19.1
124181 2001 OD_{46}	16.1	X	140.49389	51.16410	286.05809	5.86026	0.1437279	0.28470605	2.2884333	20	—	—
124182 2001 OJ_{50}	16.7	X	125.80075	167.97984	182.37504	4.90478	0.1874065	0.28333732	2.2957972	20	—	—
124183 2001 OE_{52}	16.3	X	246.36254	250.61923	69.68087	7.85081	0.1834819	0.29815886	2.2190695	20	3 15.4	19.7
124184 2001 OT_{55}	16.0	X	66.24679	181.54761	323.86386	5.60601	0.0970338	0.29354677	2.2422525	20	4 15.6	18.4
124185 2001 OP_{56}	15.7	X	194.94073	6.46640	287.87629	6.86084	0.1278905	0.28411529	2.2916044	20	—	—
124186 2001 OH_{57}	16.4	X	216.39838	165.83058	116.46065	5.02891	0.1689983	0.28974930	2.2618013	20	—	—
124187 2001 OL_{59}	16.3	X	274.45542	102.89807	169.98817	7.70169	0.1283005	0.29834692	2.2181369	20	2 11.2	19.2
124188 2001 OM_{60}	17.1	X	259.71335	77.61522	164.17264	1.84357	0.1190726	0.29215233	2.2493816	20	—	—
124189 2001 OS_{61}	16.5	X	234.38063	266.21360	9.73563	3.55784	0.1255597	0.29138164	2.2533462	20	1 7.0	19.8
124190 2001 OC_{63}	16.8	X	124.35524	226.53062	147.06674	4.68100	0.1572825	0.28608032	2.2810986	20	1 18.2	19.6
124191 2001 OO_{63}	16.4	X	163.23428	289.88572	86.26340	6.40342	0.1825494	0.29261206	2.2470250	20	3 9.9	19.9
124192 Moletai	16.5	X	15.05896	2.02122	251.51353	5.82307	0.2836838	0.31111817	2.1570115	20	8 5.4	17.6
124193 2001 OS_{68}	15.9	X	238.87703	3.57923	271.27838	6.09502	0.1052752	0.28930689	2.2641065	20	1 10.1	19.2
124194 2001 OY_{72}	15.8	X	142.04885	62.00592	317.77394	4.45002	0.1781943	0.28675795	2.2775036	20	2 18.7	19.0
124195 2001 OZ_{72}	16.5	X	3.88370	171.15592	145.12874	6.43359	0.2780134	0.26109322	2.4244077	20	10 19.3	18.5
124196 2001 OO_{73}	16.0	X	174.47497	101.30098	191.16635	6.94168	0.1353170	0.28202193	2.3029303	20	—	—
124197 2001 OQ_{74}	15.1	X	88.79240	56.23131	331.10104	24.16340	0.2355451	0.27683513	2.3316064	20	1 5.7	17.8
124198 2001 OH_{77}	16.5	X	95.33954	253.77803	120.29692	0.29898	0.2832417	0.27506174	2.3416173	20	—	—
124199 2001 OV_{78}	16.5	X	221.01983	242.49313	100.71313	6.85364	0.2042429	0.29554070	2.2321559	20	3 19.8	20.2
124200 2001 OM_{81}	15.3	X	280.40765	260.21176	150.46870	8.73254	0.3600522	0.25295447	2.4761359	20	7 25.3	18.4
124201 2001 OJ_{85}	16.4	X	232.98000	193.57193	161.30023	4.99226	0.2249424	0.29960880	2.2119043	20	4 10.8	20.0
124202 2001 OT_{85}	16.0	X	212.66284	170.62814	134.09331	6.40593	0.1516778	0.29140525	2.2532245	20	1 21.3	19.5
124203 2001 OQ_{86}	16.8	X	78.81663	333.54249	355.41350	2.17380	0.2119511	0.27428532	2.3460342	20	—	—
124204 2001 OP_{92}	16.5	X	202.52303	232.19014	93.83479	7.51319	0.1528455	0.29300276	2.2450270	20	2 9.6	20.0
124205 2001 OA_{94}	16.5	X	228.22694	42.48779	314.56604	2.48536	0.2307065	0.29866855	2.2165441	20	4 6.5	20.1
124206 2001 OX_{95}	17.0	X	269.62465	64.33443	325.24687	6.23252	0.0624689	0.30932265	2.1653507	20	8 5.7	19.2
124207 2001 OK_{97}	16.4	X	130.79063	291.89401	47.39581	3.47839	0.1805978	0.28274439	2.2990057	20	—	—
124208 2001 OR_{97}	15.9	X	52.79507	39.47841	299.99830	6.21772	0.1346835	0.27116565	2.3639934	20	—	—
124209 2001 OM_{98}	16.5	X	194.32930	259.36830	120.01613	6.44697	0.2327629	0.29574101	2.2311478	20	4 11.4	20.3
124210 2001 OU_{100}	16.2	X	219.24165	232.35275	98.43385	5.21007	0.1749481	0.29535244	2.2331043	20	3 2.0	19.7
124211 2001 OC_{101}	16.6	X	105.40211	341.41644	328.30714	3.42273	0.1730872	0.27660589	2.3328945	20	—	—
124212 2001 OO_{102}	16.7	X	213.02594	40.08445	270.60962	5.02955	0.1335276	0.29173396	2.2515316	20	1 28.1	20.1
124213 2001 OX_{106}	16.3	X	0.06060	32.96131	278.08801	3.19058	0.2251424	0.31179595	2.1538844	20	10 1.3	17.6
124214 2001 OB_{111}	16.1	X	124.79464	214.06680	71.42912	7.92370	0.1037104	0.27251622	2.3561765	20	—	—
124215 2001 OJ_{111}	16.6	X	111.91414	158.37984	158.38794	4.71189	0.1428301	0.27875364	2.3208960	20	—	—
124216 2001 PZ_{4}	16.4	X	3.88257	64.01810	184.85370	3.65622	0.1504127	0.30822483	2.1704892	20	6 8.8	17.9
124217 2001 PV_{5}	16.7	X	237.69285	193.81234	106.85529	5.85398	0.1762987	0.29373789	2.2412798	20	2 8.9	20.2
124218 2001 PY_{5}	16.0	X	83.02512	254.18923	111.17737	5.51359	0.1539989	0.27776712	2.3263881	20	—	—
124219 2001 PN_{6}	16.4	X	13.60252	214.81804	128.70364	3.22317	0.1826281	0.26531894	2.3985966	20	11 27.9	18.9
124220 2001 PQ_{6}	16.9	X	344.57999	16.93650	334.10617	0.73067	0.2055539	0.26165056	2.4209636	20	10 15.3	18.7
124221 2001 PW_{9}	16.3	X	186.16860	298.67644	335.12027	6.07028	0.1784067	0.28483939	2.2877190	20	—	—
124222 2001 PN_{10}	16.4	X	178.80099	106.09859	188.89735	3.42403	0.1537879	0.28570184	2.2831128	20	—	—
124223 2001 PD_{13}	15.8	X	254.31406	240.83420	62.47967	8.28632	0.2249972	0.29709291	2.2243743	20	2 27.1	19.4
124224 2001 PF_{17}	14.0	X	275.05963	320.10535	33.27078	11.99547	0.0556664	0.14857038	3.5305950	20	6 13.9	19.1
124225 2001 PO_{20}	16.6	X	345.13752	326.75625	18.72178	10.25012	0.2260271	0.26210964	2.4181360	20	10 10.4	18.0
124226 2001 PK_{22}	16.7	X	107.03178	331.06771	351.63266	3.16667	0.1914123	0.27790443	2.3256217	20	—	—
124227 2001 PV_{22}	16.5	X	115.42444	341.83228	8.03534	7.15023	0.1358876	0.28220554	2.3019313	20	—	—
124228 2001 PT_{24}	16.7	X	110.29451	176.10129	129.34526	1.99826	0.2291261	0.27586622	2.3370627	20	—	—
124229 2001 PX_{24}	16.6	X	17.23659	58.11954	302.54408	2.29185	0.1929096	0.26734410	2.3864682	20	12 28.2	19.3
124230 2001 PH_{25}	16.9	X	172.60886	41.90851	262.59028	3.66678	0.1519816	0.28398751	2.2922917	20	—	—
124231 2001 PJ_{25}	16.1	X	118.49742	303.40754	71.21501	7.61310	0.2038901	0.28368605	2.2939154	20	1 21.3	19.0
124232 2001 PM_{26}	16.5	X	40.88443	242.95160	113.95330	3.32074	0.2362524	0.27025624	2.3692937	20	—	—
124233 2001 PX_{36}	16.0	X	291.65480	202.63491	67.53525	8.19653	0.2343133	0.29956336	2.2121280	20	2 19.1	19.2
124234 2001 PP_{41}	16.4	X	268.91495	53.66951	344.68990	3.59509	0.1042692	0.30843638	2.1694967	20	8 10.9	18.4
124235 2001 PB_{42}	15.7	X	129.56806	72.83480	225.37127	6.02084	0.1265220	0.27616352	2.3353851	20	—	—
124236 2001 PC_{44}	17.1	X	50.02205	30.12905	284.13324	1.36441	0.1061807	0.32079055	2.1134323	20	12 8.3	19.4
124237 2001 PH_{45}	16.1	X	193.16936	59.19247	335.04066	7.45263	0.1223052	0.29683756	2.2256497	20	4 23.2	19.4
124238 2001 PN_{45}	15.7	X	216.70814	273.96284	87.52718	7.78259	0.2405672	0.24609746	2.5219199	20	4 9.6	20.1
124239 2001 PO_{45}	16.3	X	15.98024	303.50739	70.03771	6.27502	0.1852524	0.27094500	2.3652767	20	—	—
124240 2001 PP_{48}	16.3	X	345.95728	297.90286	60.04959	6.72300	0.1558947	0.26456008	2.4031811	20	10 27.1	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124241 2001 PS_{51}	17.0	X	86.87450	231.79428	182.23475	1.25497	0.2230837	0.28423707	2.2909498	20	1 30.5	19.1
124242 2001 PP_{58}	16.1	X	47.11793	47.83216	7.68507	7.51548	0.0891643	0.27926870	2.3180415	20	—	—
124243 2001 PS_{61}	16.7	X	142.65839	33.38039	327.52285	3.89411	0.1297763	0.28633957	2.2797216	20	1 21.0	19.7
124244 2001 PD_{62}	16.0	X	71.90939	265.82062	166.11034	4.57603	0.1041979	0.28533238	2.2850831	20	1 11.3	18.4
124245 2001 PS_{62}	16.1	X	249.74726	99.97474	135.54890	3.44687	0.1300528	0.28524504	2.2855496	20	—	—
124246 2001 PW_{65}	16.9	X	176.13042	153.26297	165.61677	4.01063	0.1220859	0.28704279	2.2759966	20	1 2.2	20.0
124247 2001 QV_{2}	16.0	X	118.99325	358.31566	303.33814	5.86778	0.1380066	0.27795447	2.3253425	20	—	—
124248 2001 QB_{3}	16.4	X	142.58314	244.95887	158.28227	5.80113	0.1521916	0.29289298	2.2455880	20	3 19.1	19.5
124249 2001 QD_{3}	16.2	X	274.84930	128.32436	217.19346	1.26251	0.1810603	0.25261791	2.4783347	20	5 17.3	19.5
124250 2001 QG_{3}	16.5	X	104.61621	231.48564	129.72842	6.20553	0.1356076	0.28204016	2.3028311	20	—	—
124251 2001 QV_{3}	16.4	X	332.01789	70.07177	174.13023	2.59792	0.1337162	0.30148463	2.2027198	20	3 23.3	18.2
124252 2001 QA_{4}	16.8	X	75.29589	175.88995	141.73065	3.11256	0.1903802	0.27286796	2.3541512	20	—	—
124253 2001 QH_{4}	16.5	X	5.48216	121.67805	136.45991	3.18987	0.1109442	0.30767375	2.1730802	20	6 26.7	18.2
124254 2001 QA_{5}	16.7	X	19.06440	77.05966	319.03690	4.58454	0.2345003	0.27200550	2.3591249	20	—	—
124255 2001 QY_{6}	16.7	X	116.84784	168.26341	158.64368	3.43440	0.2494478	0.27936556	2.3175057	20	—	—
124256 2001 QG_{8}	16.9	X	264.68738	45.88140	291.36680	1.72468	0.1745016	0.30180685	2.2011517	20	4 21.7	19.7
124257 2001 QB_{9}	16.3	X	53.74107	345.01499	11.54437	2.19993	0.2118416	0.27277938	2.3546608	20	—	—
124258 2001 QT_{9}	15.8	X	100.43508	9.12415	325.73979	7.04673	0.2124708	0.27740698	2.3284011	20	—	—
124259 2001 QM_{11}	16.6	X	188.64304	34.82582	350.15698	1.36391	0.2176693	0.29503170	2.2347225	20	4 10.2	20.3
124260 2001 QK_{12}	16.1	X	26.41503	49.38822	329.61668	3.38532	0.2230707	0.27025286	2.3693135	20	—	—
124261 2001 QP_{12}	16.5	X	332.20688	337.29039	338.27855	3.69742	0.1590407	0.30872306	2.1681534	20	7 22.8	17.7
124262 2001 QU_{12}	16.6	X	31.58738	153.36265	171.85083	2.20617	0.2110217	0.26614149	2.3936519	20	12 2.7	19.6
124263 2001 QN_{13}	16.1	X	121.68671	275.58867	142.84906	7.04208	0.1461828	0.28968184	2.2621525	20	3 15.6	18.9
124264 2001 QL_{14}	16.6	X	153.29921	14.75732	319.22696	1.57606	0.2577323	0.28453088	2.2893724	20	1 11.9	20.2
124265 2001 QZ_{14}	16.6	X	44.54723	288.25206	30.93653	1.67815	0.1948267	0.26818097	2.3815008	20	12 7.9	19.7
124266 2001 QE_{15}	17.2	X	340.50475	238.97262	105.74126	3.91970	0.1832248	0.31367652	2.1452671	20	10 12.3	18.4
124267 2001 QO_{15}	16.2	X	142.30732	322.21853	36.02235	4.58978	0.1433180	0.28640762	2.2793604	20	1 19.5	19.2
124268 2001 QK_{16}	16.5	X	97.67481	201.19950	137.62116	6.49597	0.1262039	0.27737931	2.3285559	20	—	—
124269 2001 QD_{18}	13.7	X	157.16376	150.75241	168.18771	9.13334	0.2469934	0.12542605	3.9525517	20	1 13.5	20.2
124270 2001 QH_{19}	15.7	X	62.09174	99.15357	260.89766	1.61806	0.1936942	0.27339475	2.3511261	20	—	—
124271 2001 QO_{19}	16.2	X	220.83418	134.65904	186.76895	2.92378	0.1945556	0.29285548	2.2457797	20	2 17.5	19.8
124272 2001 QR_{19}	16.7	X	56.24546	132.59341	195.55539	0.64689	0.2035811	0.26957038	2.3733107	20	—	—
124273 2001 QU_{19}	16.5	X	97.66128	321.84460	334.53904	2.01499	0.2073858	0.27244058	2.3566126	20	12 31.9	20.3
124274 2001 QW_{20}	16.5	X	158.09627	102.32302	331.53410	7.33460	0.0655506	0.29703383	2.2246692	20	5 6.0	19.5
124275 2001 QH_{23}	16.5	X	90.16944	282.12729	103.44974	2.05129	0.2220838	0.28001934	2.3138970	20	—	—
124276 2001 QJ_{26}	17.7	X	358.44979	349.83904	329.49927	2.41330	0.2240661	0.31300188	2.1483486	20	10 13.2	19.0
124277 2001 QX_{27}	15.8	X	96.48647	29.45861	25.00901	6.38409	0.1486956	0.28216514	2.3021510	20	2 6.9	18.4
124278 2001 QM_{28}	16.1	X	84.52164	179.24659	175.41045	2.43395	0.2537419	0.27396162	2.3478818	20	—	—
124279 2001 QR_{28}	15.8	X	75.35865	27.48488	20.78809	3.10933	0.2250996	0.27749723	2.3278962	20	1 1.6	17.6
124280 2001 QM_{29}	15.9	X	22.34986	324.30358	2.03035	7.76558	0.2529474	0.26194522	2.4191477	20	11 25.0	18.9
124281 2001 QP_{32}	16.2	X	194.03562	106.32826	272.60257	6.31110	0.0926991	0.29812848	2.2192202	20	4 3.4	19.3
124282 2001 QA_{39}	16.6	X	137.31963	208.55334	118.09336	5.28738	0.1961404	0.28301506	2.2975396	20	—	—
124283 2001 QC_{40}	17.2	X	165.86170	271.78210	105.77901	2.22040	0.2094322	0.29284604	2.2458279	20	3 13.6	20.6
124284 2001 QQ_{42}	16.6	X	2.55338	260.33279	112.90589	2.27645	0.1954925	0.26812561	2.3818286	20	12 24.4	19.1
124285 2001 QS_{43}	16.9	X	199.58817	307.82275	51.25692	1.17194	0.2254886	0.29521808	2.2337818	20	3 18.6	20.6
124286 2001 QV_{43}	16.7	X	193.79415	13.17903	353.90577	3.86756	0.1896163	0.29575193	2.2310929	20	3 22.6	20.0
124287 2001 QK_{45}	16.6	X	115.30176	42.16801	341.23261	3.57753	0.1878046	0.28559635	2.2836749	20	1 25.6	19.2
124288 2001 QS_{48}	16.3	X	293.73327	226.03709	153.95966	2.60560	0.2167281	0.25755386	2.4465683	20	7 28.9	18.9
124289 2001 QA_{51}	16.2	X	181.07104	251.92940	94.57703	4.12169	0.1630486	0.29138275	2.2533405	20	2 15.2	19.5
124290 2001 QD_{51}	16.6	X	205.98508	201.75805	100.71414	3.00606	0.2007530	0.29051936	2.2578027	20	1 13.9	20.1
124291 2001 QZ_{51}	16.3	X	88.34086	260.29435	124.36287	7.06714	0.1789395	0.28157535	2.3053646	20	—	—
124292 2001 QE_{53}	16.6	X	42.73453	248.80275	93.47097	2.48829	0.2050386	0.27008007	2.3703239	20	—	—
124293 2001 QQ_{53}	16.5	X	197.78471	278.04194	113.78196	7.41454	0.1674017	0.29814566	2.2191350	20	4 30.9	20.0
124294 2001 QC_{55}	16.6	X	135.36622	195.22032	126.25583	4.82200	0.1806866	0.28097369	2.3086545	20	—	—
124295 2001 QF_{56}	16.1	X	359.92865	281.96753	93.01569	2.41317	0.1194764	0.26810376	2.3819581	20	12 10.5	18.5
124296 2001 QZ_{56}	17.4	X	91.28643	268.74523	58.30797	3.05797	0.2342665	0.27563081	2.3383932	20	—	—
124297 2001 QE_{57}	16.0	X	37.84395	201.61571	128.92111	6.64636	0.1297068	0.26796303	2.3827920	20	12 6.7	19.2
124298 2001 QQ_{57}	16.6	X	228.98407	322.28596	46.41602	2.18085	0.1457899	0.29973404	2.2112881	20	4 29.1	19.8
124299 2001 QJ_{58}	16.6	X	78.28914	264.73499	65.57276	4.31425	0.1750677	0.27327812	2.3517950	20	—	—
124300 2001 QN_{59}	16.1	X	284.96922	247.43079	112.74731	5.69945	0.1830115	0.30667220	2.1778090	20	6 22.6	18.2
124301 2001 QD_{62}	16.7	X	114.03255	149.56393	312.41137	5.74887	0.0636109	0.29671513	2.2262619	20	4 17.9	19.5
124302 2001 QL_{62}	16.8	X	40.53295	116.46474	202.08425	1.80988	0.2148062	0.26694554	2.3888430	20	12 5.3	20.0
124303 2001 QR_{63}	16.7	X	126.36709	154.38001	174.73407	1.99806	0.1699909	0.27955006	2.3164859	20	—	—
124304 2001 QJ_{64}	15.7	X	82.06761	198.99746	157.63898	8.72584	0.1418153	0.27447328	2.3449630	20	—	—
124305 2001 QN_{64}	16.7	X	294.82661	51.91699	326.39270	1.95660	0.1510414	0.30935513	2.1651991	20	8 16.8	18.5
124306 2001 QR_{64}	15.9	X	90.80793	347.53383	31.98596	3.52926	0.1527909	0.27961485	2.3161280	20	—	—
124307 2001 QY_{64}	15.7	X	221.84721	157.42334	126.70537	7.55758	0.1226731	0.28662480	2.2782089	20	1 4.9	19.0
124308 2001 QM_{69}	16.3	X	79.16267	152.80778	271.05602	4.96615	0.1360471	0.28368268	2.2939336	20	1 16.7	18.4
124309 2001 QZ_{69}	16.0	X	173.93243	60.38515	247.02956	4.97803	0.2090248	0.28436401	2.2902679	20	—	—
124310 2001 QS_{72}	15.7	X	339.92033	248.03693	123.69907	8.22935	0.2373048	0.25882600	2.4385450	20	11 13.8	17.6
124311 2001 QO_{73}	16.2	X	209.06679	114.83695	248.15850	2.82478	0.2570899	0.29599523	2.2298701	20	3 28.9	20.1
124312 2001 QT_{73}	16.4	X	93.89319	76.13728	318.85429	2.14130	0.2306273	0.27887406	2.3202279	20	1 17.9	18.6
124313 2001 QX_{73}	16.2	X	61.97276	6.55679	322.41386	1.93651	0.1985960	0.26763673	2.3847283	20	—	—
124314 2001 QF_{74}	15.8	X	29.30629	15.09171	353.68074	2.76907	0.1981274	0.26641127	2.3920357	20	—	—
124315 2001 QY_{77}	16.0	X	0.61164	19.97247	6.93383	4.78783	0.2393250	0.26268751	2.4145884	20	—	—
124316 2001 QX_{78}	15.8	X	239.72901	53.39563	330.29962	2.72149	0.2182296	0.29732434	2.2232198	20	5 23.5	19.0
124317 2001 QS_{80}	16.0	X	74.98372	112.09287	290.07920	6.54395	0.1008978	0.27887723	2.3202103	20	—	—
124318 2001 QZ_{82}	16.0	X	126.22372	97.42792	256.62116	5.30755	0.1808852	0.27968322	2.3157506	20	—	—
124319 2001 QL_{83}	15.5	X	145.12385	29.75865	315.38659	6.76177	0.1368332	0.28149024	2.3058293	20	1 5.1	18.5
124320 2001 QC_{85}	17.3	X	161.53974	219.63339	64.63512	3.16930	0.2121466	0.28212308	2.3023798	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124321 2001 QL_{85}	16.0	X	73.68647	211.92118	106.07090	6.69132	0.2392018	0.27146985	2.3622271	20	—	—
124322 2001 QK_{92}	16.3	X	39.22176	132.44509	152.59644	24.02748	0.0812783	0.36943069	1.9235969	20	10 26.6	18.8
124323 2001 QO_{94}	16.6	X	99.46691	35.65624	341.03771	2.69030	0.1657126	0.28005289	2.3137122	20	—	—
124324 2001 QR_{96}	16.8	X	319.98490	29.93551	336.55599	4.23344	0.2183828	0.31009658	2.1617463	20	9 20.2	17.5
124325 2001 QR_{97}	16.1	X	218.17037	42.19192	309.72487	4.58905	0.1736451	0.29423663	2.2387463	20	3 23.6	19.5
124326 2001 QU_{97}	16.2	X	210.46229	86.78239	241.94841	2.78084	0.2376727	0.29060244	2.2573724	20	2 17.4	20.1
124327 2001 QW_{97}	15.8	X	107.40207	18.22909	329.55783	5.87064	0.2494907	0.27720533	2.3295301	20	—	—
124328 2001 QR_{98}	16.3	X	223.77770	144.05892	203.72190	4.09906	0.2826349	0.24462546	2.5320267	20	3 23.6	20.7
124329 2001 QU_{98}	15.9	X	93.51878	192.58551	165.51455	6.52306	0.2940726	0.27823029	2.3238055	20	—	—
124330 2001 QG_{101}	16.4	X	179.25861	143.36227	156.81388	6.57044	0.1537053	0.28547384	2.2843282	20	—	—
124331 2001 QZ_{102}	16.5	X	50.65616	239.56812	122.49098	3.49482	0.2345380	0.27374276	2.3491331	20	—	—
124332 2001 QB_{104}	16.6	X	85.50005	281.37618	109.68509	1.34182	0.2121420	0.27968813	2.3157235	20	—	—
124333 2001 QM_{105}	16.0	X	56.63497	173.72670	207.32576	5.29678	0.1582346	0.27127835	2.3633387	20	—	—
124334 2001 QC_{108}	16.7	X	83.03546	225.49668	83.66051	1.68278	0.2175535	0.27195944	2.3593912	20	—	—
124335 2001 QL_{108}	17.0	X	65.95748	307.95766	4.14193	2.68264	0.2263012	0.26836294	2.3804242	20	12 24.3	20.7
124336 2001 QZ_{109}	16.7	X	139.21700	268.50598	87.09048	4.84411	0.1644065	0.28521104	2.2857312	20	1 14.5	19.6
124337 2001 QC_{110}	16.1	X	36.98351	307.41582	107.79576	6.39942	0.2313752	0.27617502	2.3353203	20	—	—
124338 2001 QE_{110}	16.7	X	142.24365	20.10443	350.81211	3.37513	0.1329283	0.28955320	2.2628224	20	2 2.9	19.5
124339 2001 QV_{111}	15.8	X	118.49292	334.90877	343.35223	1.56956	0.2479547	0.27444795	2.3451073	20	—	—
124340 2001 QM_{112}	16.8	X	242.93736	18.95478	231.36784	6.15061	0.2306685	0.28935130	2.2638749	20	—	—
124341 2001 QT_{114}	16.1	X	88.94792	34.35445	292.74711	6.38543	0.1318051	0.27392659	2.3480820	20	—	—
124342 2001 QL_{116}	16.2	X	137.27925	12.75004	279.33372	5.88162	0.1162292	0.27578911	2.3374983	20	—	—
124343 2001 QF_{117}	16.1	X	244.16727	63.33383	279.53455	6.14780	0.1702020	0.29752876	2.2222014	20	4 5.0	19.5
124344 2001 QL_{117}	15.8	X	101.64280	349.90920	302.53559	6.94856	0.1150224	0.26964956	2.3728461	20	12 26.9	19.4
124345 2001 QP_{117}	16.0	X	133.63065	13.55853	308.99798	5.67263	0.2317183	0.27906747	2.3191557	20	—	—
124346 2001 QC_{118}	16.2	X	98.35506	49.95301	294.32091	6.24402	0.1496158	0.27708924	2.3301807	20	—	—
124347 2001 QP_{119}	16.1	X	318.68340	264.44124	351.25466	6.63142	0.1097104	0.30003126	2.2098275	20	3 21.2	18.5
124348 2001 QF_{120}	15.9	X	84.50289	45.22193	19.64089	4.82211	0.1527278	0.28440778	2.2900330	20	2 1.7	18.1
124349 2001 QX_{120}	16.2	X	93.61500	43.98621	335.61370	6.47082	0.1540450	0.28265983	2.2994642	20	—	—
124350 2001 QX_{122}	16.5	X	17.74248	152.89809	101.26257	2.46004	0.1267269	0.30878589	2.1678593	20	7 18.4	18.2
124351 2001 QF_{124}	15.9	X	76.92659	53.57846	353.95550	7.61706	0.0917845	0.28304068	2.2974010	20	—	—
124352 2001 QD_{126}	16.1	X	92.58640	176.02098	193.32975	6.78825	0.2698573	0.28028020	2.3124611	20	—	—
124353 2001 QC_{127}	16.4	X	82.77359	99.76578	241.62241	6.46751	0.1390293	0.27614448	2.3354925	20	—	—
124354 2001 QM_{127}	16.3	X	117.01949	113.08115	245.19938	6.01541	0.1488990	0.28289348	2.2981979	20	—	—
124355 2001 QW_{128}	16.3	X	84.11964	112.53425	279.76562	6.11909	0.1472020	0.28184880	2.3038733	20	—	—
124356 2001 QA_{129}	16.1	X	12.17729	195.37569	193.39731	7.03027	0.1553517	0.27078820	2.3661897	20	—	—
124357 2001 QH_{129}	15.6	X	14.04773	258.83612	162.10565	21.97322	0.2955112	0.27294601	2.3537024	20	—	—
124358 2001 QA_{131}	16.0	X	172.27062	21.88245	282.43290	6.57329	0.1234797	0.28405906	2.2919068	20	—	—
124359 2001 QV_{131}	16.4	X	104.23427	89.51684	231.34146	5.98201	0.1236154	0.27604836	2.3360346	20	—	—
124360 2001 QR_{133}	15.9	X	120.86750	68.70799	248.94339	5.22119	0.1825101	0.27819079	2.3240255	20	—	—
124361 2001 QW_{133}	16.5	X	183.48956	75.87315	250.49524	5.70630	0.0954127	0.28776379	2.2721933	20	1 16.7	19.7
124362 2001 QZ_{134}	16.0	X	200.01357	347.09185	300.15028	6.74906	0.1197784	0.28306890	2.2972483	20	—	—
124363 2001 QM_{136}	15.7	X	142.72968	33.08987	316.03863	9.93559	0.2683785	0.28246083	2.3005441	20	1 23.1	19.0
124364 2001 QB_{138}	16.2	X	92.66170	60.24570	276.00911	4.51503	0.2576319	0.27336822	2.3512783	20	—	—
124365 2001 QL_{138}	15.9	X	134.80110	19.83469	328.55569	6.49916	0.1364076	0.27897435	2.3196718	20	—	—
124366 2001 QV_{140}	15.5	X	332.81014	36.02432	305.04381	8.35509	0.2461936	0.25582436	2.4575826	20	8 22.4	17.0
124367 2001 QD_{142}	15.9	X	7.27179	352.19932	73.70111	3.37579	0.2025401	0.26944538	2.3740447	20	—	—
124368 2001 QT_{142}	15.8	X	94.38415	189.42136	192.76796	5.49945	0.1872498	0.28028210	2.3124507	20	—	—
124369 2001 QS_{147}	15.6	X	142.55120	240.17704	87.76089	7.34633	0.2381888	0.27907311	2.3191244	20	—	—
124370 2001 QX_{149}	15.8	X	298.95154	282.97475	154.47917	9.15649	0.2045469	0.26117443	2.4239051	20	11 15.9	17.9
124371 2001 QJ_{152}	16.3	X	93.88283	246.55520	159.64860	5.93699	0.1421469	0.28156732	2.3054085	20	1 17.3	18.7
124372 2001 QN_{152}	16.0	X	18.64118	85.18692	299.61700	1.58437	0.1991740	0.26863149	2.3788375	20	—	—
124373 2001 QP_{152}	16.4	X	50.90913	73.27175	262.20606	1.40765	0.1351706	0.26836427	2.3804164	20	12 28.6	19.5
124374 2001 QU_{152}	16.2	X	278.75086	263.96526	325.19497	5.65823	0.1206949	0.28719621	2.2751861	20	—	—
124375 2001 QV_{152}	16.5	X	241.17625	330.24906	316.60064	4.05561	0.1994693	0.29157349	2.2523577	20	1 24.4	19.9
124376 2001 QG_{155}	16.4	X	56.20257	181.89636	278.39892	6.27602	0.1156717	0.28729929	2.2746418	20	1 25.2	18.4
124377 2001 QG_{157}	16.2	X	27.01090	280.92286	288.27876	3.94616	0.0719845	0.30184262	2.2009779	20	5 14.5	18.2
124378 2001 QH_{157}	16.2	X	27.78710	198.34178	166.18651	7.03815	0.1213421	0.27041874	2.3683444	20	—	—
124379 2001 QY_{158}	16.6	X	116.80711	92.95385	319.87406	3.42080	0.1184689	0.28879269	2.2667933	20	2 24.2	19.2
124380 2001 QK_{161}	16.8	X	87.82728	48.46623	353.05325	3.15787	0.2291568	0.28213111	2.3023362	20	1 16.4	18.8
124381 2001 QB_{164}	15.7	X	291.53248	38.59418	117.42669	9.71879	0.0444879	0.27353973	2.3502953	20	—	—
124382 2001 QX_{165}	16.3	X	111.83229	328.23681	14.38657	7.60595	0.1448777	0.28032847	2.3121956	20	—	—
124383 2001 QF_{167}	16.9	X	325.94744	315.23649	49.14563	2.26181	0.1778080	0.26096909	2.4251764	20	9 21.6	18.6
124384 2001 QE_{168}	17.2	X	10.93665	197.86409	122.01198	0.23029	0.0955199	0.31678172	2.1312250	20	10 18.1	18.9
124385 2001 QC_{174}	15.4	X	161.63756	192.88590	219.32123	3.84873	0.1135345	0.23719695	2.5846197	20	4 19.0	19.4
124386 2001 QJ_{175}	16.3	X	252.62813	251.75898	151.62395	4.14271	0.1993944	0.25420090	2.4680351	20	7 5.3	19.8
124387 2001 QB_{178}	15.8	X	105.07566	309.66856	73.06861	8.48392	0.1967019	0.28008615	2.3135291	20	1 12.6	18.4
124388 2001 QN_{178}	16.2	X	264.69691	195.54187	74.70239	7.84516	0.1834552	0.29447498	2.2375382	20	1 26.7	19.6
124389 2001 QG_{179}	16.1	X	153.93915	50.15628	330.86062	6.74112	0.1489788	0.28650177	2.2788610	20	2 29.7	19.4
124390 2001 QU_{179}	15.9	X	92.45437	259.26384	69.26533	3.02776	0.2193561	0.27475263	2.3433733	20	—	—
124391 2001 QX_{179}	15.9	X	163.59596	215.74780	52.58601	7.18010	0.1430983	0.27759728	2.3273368	20	—	—
124392 2001 QZ_{181}	15.6	X	65.32869	261.95659	104.49159	7.37509	0.1381066	0.27339735	2.3511113	20	—	—
124393 2001 QM_{186}	16.6	X	151.48721	330.57597	291.26881	1.82537	0.1414831	0.27538788	2.3397682	20	—	—
124394 2001 QF_{187}	16.2	X	10.46690	3.39406	24.21102	1.81725	0.1804884	0.27124236	2.3635477	20	—	—
124395 2001 QA_{189}	16.5	X	37.13677	93.01474	345.77138	6.45587	0.0739429	0.28274290	2.2990138	20	—	—
124396 2001 QJ_{189}	15.8	X	55.08197	225.81061	193.28984	22.57358	0.1625391	0.28007096	2.3136127	20	—	—
124397 2001 QR_{190}	16.8	X	97.33969	37.84992	216.96413	2.26837	0.0875183	0.32063980	2.1140947	20	11 11.9	19.4
124398 2001 QK_{197}	14.7	X	167.40063	7.12768	335.75157	2.29655	0.1059172	0.18110239	3.0939973	20	2 5.2	19.4
124399 2001 QN_{197}	16.2	X	74.37793	140.80520	289.68255	9.00482	0.1733150	0.28055143	2.3109704	20	1 23.7	18.1
124400 2001 QB_{198}	15.2	X	289.86210	239.25661	336.98264	6.46413	0.0603054	0.28068057	2.3102616	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124401 2001 QF_{198}	15.4	X	39.23282	80.35216	275.56805	3.80456	0.1174000	0.26539100	2.3981624	20	—	—
124402 2001 QQ_{198}	16.2	X	163.42687	15.88456	341.14799	4.02137	0.2054246	0.28429526	2.2906371	20	2 14.6	19.6
124403 2001 QZ_{204}	16.3	X	204.90751	100.66248	273.17279	4.91816	0.1001893	0.29714634	2.2241076	20	4 9.6	19.6
124404 2001 QR_{205}	17.4	X	182.06546	86.44590	199.02844	2.02433	0.1653415	0.28360952	2.2943280	20	—	—
124405 2001 QN_{206}	17.2	X	313.86281	188.85565	150.79313	1.78356	0.1861083	0.30872621	2.1681386	20	7 16.0	18.6
124406 2001 QO_{206}	17.2	X	164.62186	246.03180	146.93685	2.66652	0.1672620	0.29285163	2.2457994	20	3 29.5	20.6
124407 2001 QS_{206}	15.9	X	332.35714	336.82834	128.99671	2.63290	0.1652223	0.27501031	2.3419093	20	—	—
124408 2001 QN_{208}	16.6	X	179.22683	53.97811	356.94092	7.33499	0.1175817	0.29832814	2.2182300	20	5 1.5	19.8
124409 2001 QP_{211}	16.6	X	46.26052	109.58299	299.72091	2.04833	0.1539052	0.27629213	2.3346603	20	—	—
124410 2001 QW_{211}	16.1	X	78.23693	106.85465	338.98774	6.53981	0.1437108	0.28621757	2.2803693	20	2 18.7	18.3
124411 2001 QD_{212}	16.5	X	78.01930	176.41314	159.59221	2.48843	0.1459308	0.27305859	2.3530554	20	—	—
124412 2001 QR_{213}	16.0	X	190.96047	252.70526	171.30750	5.18141	0.1593728	0.29966177	2.2116437	20	6 3.9	19.3
124413 2001 QD_{214}	16.3	X	4.62562	167.35717	275.13224	1.29137	0.1062088	0.27611051	2.3356840	20	—	—
124414 2001 QM_{214}	17.1	X	315.58737	96.55245	341.47441	12.47637	0.2332067	0.26627711	2.3928391	20	—	—
124415 2001 QA_{219}	15.6	X	33.41279	147.27115	338.26270	25.94100	0.2120569	0.28624672	2.2802145	20	1 31.4	17.6
124416 2001 QV_{223}	16.4	X	309.14880	210.90209	152.51847	3.87521	0.1920192	0.25907124	2.4370059	20	8 7.5	18.6
124417 2001 QW_{223}	16.5	X	149.73809	28.77276	285.14964	6.35028	0.1230144	0.28291118	2.2981020	20	—	—
124418 2001 QL_{224}	16.7	X	178.30480	27.30105	313.26161	2.99016	0.0848390	0.29179766	2.2512040	20	1 29.3	19.7
124419 2001 QT_{229}	16.1	X	83.81898	127.46968	241.29290	3.92989	0.1512340	0.27741341	2.3283651	20	—	—
124420 2001 QM_{230}	16.3	X	283.25718	342.52882	239.82332	5.72565	0.0652117	0.28771500	2.2724502	20	—	—
124421 2001 QM_{233}	16.9	X	132.36670	300.31818	323.44095	1.66033	0.2013957	0.27295706	2.3536389	20	12 20.9	20.7
124422 2001 QL_{234}	16.4	X	176.75187	57.19005	348.47672	5.00461	0.1240255	0.29534297	2.2331520	20	4 22.8	19.6
124423 2001 QE_{235}	16.9	X	331.73508	56.27088	333.61195	0.71705	0.1744976	0.26288136	2.4134012	20	11 14.5	18.9
124424 2001 QL_{237}	16.9	X	198.22027	43.94808	359.21071	5.03314	0.2948061	0.24354528	2.5395079	20	5 9.9	21.7
124425 2001 QU_{238}	15.7	X	311.34731	87.21321	352.28925	14.51087	0.1488115	0.26543683	2.3978863	20	12 16.8	18.3
124426 2001 QE_{239}	17.1	X	50.49194	66.84965	327.16917	1.99117	0.1608040	0.27615889	2.3354112	20	—	—
124427 2001 QW_{239}	16.2	X	184.09048	47.08072	262.60177	2.79605	0.1996844	0.28534439	2.2850190	20	1 4.4	19.7
124428 2001 QU_{241}	16.0	X	105.45830	326.74079	359.94956	5.60050	0.1564539	0.27556407	2.3387707	20	—	—
124429 2001 QX_{242}	16.4	X	97.83002	267.55713	159.77106	5.63439	0.1315658	0.28562190	2.2835387	20	2 20.4	19.0
124430 2001 QE_{246}	16.1	X	44.25930	235.93011	160.65359	5.95218	0.1982647	0.27274267	2.3548721	20	—	—
124431 2001 QD_{247}	15.9	X	52.77882	164.76289	169.55410	5.77385	0.2334507	0.26791392	2.3830832	20	—	—
124432 2001 QJ_{247}	16.1	X	40.68226	268.60973	89.88675	2.20853	0.2086753	0.26822636	2.3812322	20	—	—
124433 2001 QM_{247}	15.9	X	344.73624	209.51818	170.52698	9.01249	0.1456202	0.26195579	2.4190827	20	11 25.3	18.4
124434 2001 QR_{247}	16.7	X	148.14874	233.14388	168.19657	6.52595	0.1766858	0.28816650	2.2700760	20	3 25.0	19.9
124435 2001 QS_{247}	16.4	X	44.39035	296.44359	45.67575	3.08644	0.2094967	0.26709484	2.3879527	20	—	—
124436 2001 QG_{248}	15.8	X	186.81864	351.83094	31.75806	6.27638	0.1173834	0.29190218	2.2506666	20	4 6.8	19.0
124437 2001 QN_{248}	15.6	X	287.39815	59.02158	20.88289	8.65179	0.0903263	0.26058061	2.4275861	20	11 2.9	18.3
124438 2001 QV_{248}	15.7	X	316.63167	17.58930	37.67115	7.04456	0.1053589	0.26166580	2.4208697	20	11 18.7	18.0
124439 2001 QG_{249}	16.9	X	209.07823	25.09527	356.05447	5.29800	0.1814613	0.29592670	2.2302144	20	4 22.2	20.3
124440 2001 QB_{257}	16.1	X	27.07129	205.47665	144.44749	7.85724	0.1345046	0.26613720	2.3936776	20	12 18.2	19.1
124441 2001 QN_{258}	16.2	X	135.69181	222.59036	93.39057	3.70549	0.1857919	0.27908323	2.3190684	20	—	—
124442 2001 QY_{259}	16.0	X	182.72376	202.95753	85.21045	4.69610	0.1613323	0.28193010	2.3034304	20	—	—
124443 2001 QQ_{260}	16.3	X	160.41905	57.62882	264.50812	5.60759	0.1993469	0.28321987	2.2964319	20	—	—
124444 2001 QF_{261}	16.0	X	188.19583	14.73207	272.33370	6.36181	0.0645795	0.28095491	2.3087574	20	—	—
124445 2001 QG_{262}	16.5	X	2.95698	198.64513	257.40011	6.90395	0.1797874	0.27493161	2.3423562	20	—	—
124446 2001 QJ_{262}	16.0	X	164.00577	24.38921	248.74713	6.82375	0.0895069	0.27597425	2.3364528	20	—	—
124447 2001 QA_{263}	16.2	X	1.34070	205.41169	240.78886	1.89969	0.1313437	0.27443290	2.3451930	20	—	—
124448 2001 QC_{263}	16.5	X	307.71752	138.18858	250.94375	1.60760	0.2030023	0.25864370	2.4396908	20	9 13.5	18.5
124449 2001 QZ_{263}	15.6	X	43.28280	323.21607	47.29823	6.84314	0.1754758	0.26825176	2.3810819	20	—	—
124450 2001 QN_{264}	16.0	X	62.45360	345.82707	35.57663	10.66618	0.2415795	0.27332304	2.3515374	20	—	—
124451 2001 QU_{269}	16.8	X	137.24491	223.83392	141.54561	5.93644	0.1892678	0.28803531	2.2707652	20	1 27.0	19.8
124452 2001 QA_{270}	16.6	X	100.93791	169.82867	170.25080	2.96642	0.1909798	0.27957302	2.3163590	20	—	—
124453 2001 QM_{270}	16.5	X	278.21061	215.28747	78.59114	3.18094	0.0861496	0.30021166	2.2089422	20	3 24.1	19.1
124454 2001 QG_{271}	16.6	X	303.98740	158.11928	173.73380	4.16796	0.1367974	0.25556138	2.4592683	20	6 18.0	19.4
124455 2001 QX_{272}	16.7	X	195.35302	10.71722	14.59994	6.05519	0.1382823	0.29732945	2.2231943	20	4 16.1	19.9
124456 2001 QC_{278}	16.4	X	153.45805	243.83616	83.42113	6.43237	0.1894483	0.28328623	2.2960733	20	—	—
124457 2001 QE_{280}	16.4	X	224.75459	255.06690	74.00535	5.74503	0.1942140	0.29445551	2.2376368	20	3 5.1	20.0
124458 2001 QU_{282}	16.3	X	107.63614	250.22013	65.08759	7.51398	0.1324929	0.27532717	2.3401121	20	—	—
124459 2001 QE_{284}	16.5	X	358.32205	316.94928	27.40843	1.05468	0.2121629	0.26270615	2.4144741	20	11 5.7	18.7
124460 2001 QM_{292}	15.8	X	162.18886	16.19830	6.46984	6.53394	0.1788724	0.28601771	2.2814315	20	3 15.1	19.1
124461 2001 QE_{295}	16.3	X	18.00731	106.04351	310.56166	1.39084	0.2082722	0.27044459	2.3681935	20	—	—
124462 2001 QG_{295}	15.8	X	35.54634	23.36812	3.58150	7.28780	0.1254663	0.27021131	2.3695563	20	—	—
124463 2001 QQ_{295}	16.0	X	199.75827	208.65391	226.54807	1.63803	0.2061492	0.24551611	2.5258994	20	6 23.8	20.1
124464 2001 QV_{295}	16.8	X	277.54309	18.02778	354.19585	4.27750	0.1531969	0.30371845	2.1919061	20	7 5.4	19.1
124465 2001 QF_{296}	16.1	X	94.67925	18.08628	3.75247	7.37187	0.1264271	0.27777926	2.3263203	20	—	—
124466 2001 QF_{327}	16.3	X	215.19886	190.17955	63.89818	7.22043	0.2389454	0.28529935	2.2852595	20	—	—
124467 2001 QW_{327}	16.4	X	125.93522	324.05039	55.83199	5.48313	0.1696425	0.28652676	2.2787285	20	2 1.8	19.3
124468 2001 QB_{329}	16.4	X	27.15187	305.01937	153.62562	7.21425	0.0523838	0.28497319	2.2870029	20	—	—
124469 2001 QA_{330}	16.3	X	121.15666	208.26412	66.73406	5.81797	0.1251193	0.27251577	2.3561790	20	12 24.9	19.9
124470 2001 RL_{4}	16.6	X	151.36034	80.61118	311.13983	6.80298	0.1199019	0.29126067	2.2539701	20	3 6.9	19.7
124471 2001 RD_{5}	16.1	X	108.43038	151.91188	198.97533	4.11784	0.1520132	0.27893139	2.3199099	20	—	—
124472 2001 RJ_{5}	17.0	X	140.16937	74.13540	254.38537	2.00250	0.1792804	0.28131725	2.3067745	20	—	—
124473 2001 RB_{6}	15.4	X	300.91819	155.64183	263.54124	19.47962	0.0952857	0.26130792	2.4230795	20	10 22.6	18.5
124474 2001 RQ_{6}	16.0	X	124.10874	236.47504	185.13395	9.14285	0.1578958	0.28775640	2.2722323	20	3 22.5	18.8
124475 2001 RX_{6}	16.1	X	332.14149	17.97181	17.71416	2.80977	0.1811794	0.26214815	2.4178992	20	11 24.4	18.1
124476 2001 RB_{7}	16.4	X	194.79327	347.13902	23.01096	4.82292	0.1965167	0.23950931	2.5679572	20	3 31.4	20.8
124477 2001 RD_{7}	16.2	X	107.67218	43.49141	24.11202	6.49932	0.1247257	0.28593678	2.2818620	20	3 7.8	18.9
124478 2001 RG_{12}	16.6	X	306.02045	296.58030	102.61947	2.26064	0.2038387	0.26205687	2.4184606	20	9 29.7	18.3
124479 2001 RA_{13}	16.5	X	349.60212	160.18827	228.05361	2.14840	0.1800591	0.26535948	2.3983523	20	12 20.2	18.7
124480 2001 RP_{13}	16.5	X	177.85029	205.29198	248.60925	2.71220	0.1346802	0.30157516	2.2022790	20	6 30.9	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124481 2001 RZ_{18}	16.0	X	119.26127	112.32481	313.80255	4.52061	0.0957111	0.29174731	2.2514630	20	3 11.8	18.9
124482 2001 RM_{21}	16.3	X	253.86487	68.69744	143.82250	4.76645	0.0959339	0.28279348	2.2987397	20	—	—
124483 2001 RS_{23}	16.8	X	115.71692	253.04754	149.28307	4.49201	0.1661651	0.28649206	2.2789125	20	2 16.5	19.5
124484 2001 RT_{24}	17.0	X	213.42882	51.78598	352.03295	0.16110	0.1670241	0.30075656	2.2062733	20	5 29.0	20.3
124485 2001 RF_{25}	17.3	X	56.58751	144.42931	201.20899	0.67693	0.2046106	0.27149615	2.3620746	20	—	—
124486 2001 RG_{25}	16.4	X	235.99770	330.11474	300.45269	2.42306	0.1049466	0.28846060	2.2685327	20	1 2.3	19.4
124487 2001 RT_{27}	16.2	X	253.45364	104.41424	152.97538	6.81556	0.0939925	0.28822170	2.2697861	20	1 4.1	19.4
124488 2001 RU_{35}	16.6	X	134.50450	70.40032	294.85136	3.80438	0.1506619	0.28530361	2.2852368	20	1 19.3	19.5
124489 2001 RB_{36}	16.3	X	275.93497	63.45893	260.11572	2.73934	0.1941578	0.30174033	2.2014753	20	4 13.2	19.1
124490 2001 RF_{36}	16.2	X	121.59719	321.36093	310.32214	5.75279	0.1090533	0.27228829	2.3574911	20	12 21.3	19.7
124491 2001 RE_{38}	17.2	X	358.69209	55.28158	344.24168	0.90202	0.1838982	0.26835735	2.3804573	20	—	—
124492 2001 RO_{38}	15.9	X	157.50026	253.84376	194.08587	3.38663	0.1296605	0.24567904	2.5247825	20	6 1.3	19.7
124493 2001 RT_{43}	16.2	X	286.47840	214.67555	201.46632	5.57865	0.1034081	0.26005078	2.4308824	20	9 27.1	19.0
124494 2001 RE_{44}	15.7	X	125.87891	323.55396	124.11997	5.90334	0.1135404	0.29013432	2.2597999	20	4 26.7	18.7
124495 2001 RR_{44}	15.9	X	332.19068	257.27407	103.44570	3.61190	0.2007129	0.25614627	2.4555231	20	9 30.9	17.6
124496 2001 RS_{44}	16.2	X	358.34166	346.15916	46.16273	1.67533	0.1651229	0.26683642	2.3894942	20	—	—
124497 2001 RF_{45}	15.1	X	313.52912	257.69018	156.31184	7.43041	0.1389050	0.25981645	2.4323437	20	11 13.8	17.5
124498 2001 RS_{45}	16.9	X	116.64598	310.45409	42.17791	3.23521	0.1975881	0.27946511	2.3169553	20	—	—
124499 2001 RK_{46}	16.0	X	151.40530	313.02990	26.30747	3.61175	0.3091036	0.28230116	2.3014115	20	1 22.6	19.7
124500 2001 RL_{49}	16.6	X	109.04985	228.89799	206.62557	4.60831	0.1481938	0.28869077	2.2673268	20	3 20.3	19.4
124501 2001 RO_{49}	16.1	X	171.61491	256.63876	183.77483	6.20402	0.1173657	0.24642171	2.5197072	20	6 5.9	20.0
124502 2001 RP_{49}	16.2	X	5.90783	245.04275	181.59612	5.71555	0.0926849	0.27345321	2.3507911	20	—	—
124503 2001 RK_{51}	15.5	X	61.09566	223.54623	147.98403	21.68562	0.1284098	0.27361926	2.3498399	20	—	—
124504 2001 RL_{54}	16.6	X	109.46196	254.45834	161.79208	4.35339	0.1392615	0.28565230	2.2833767	20	2 22.9	19.1
124505 2001 RO_{58}	16.2	X	17.99369	6.31972	82.78207	3.29865	0.1731782	0.27698005	2.3307931	20	—	—
124506 2001 RN_{62}	16.1	X	340.49466	345.77991	63.40010	8.07138	0.0996128	0.26702733	2.3883552	20	12 23.8	18.7
124507 2001 RU_{64}	16.4	X	87.58269	41.45797	255.89385	4.71803	0.1995701	0.26973076	2.3723699	20	12 23.6	20.2
124508 2001 RY_{64}	16.4	X	159.31905	83.26389	236.39009	6.04759	0.1367722	0.28201042	2.3029930	20	—	—
124509 2001 RM_{65}	15.8	X	128.83901	297.73724	312.92261	5.81161	0.2381428	0.26945590	2.3739829	20	12 1.0	19.9
124510 2001 RN_{65}	16.3	X	273.04525	263.22297	236.26343	5.64768	0.0826091	0.26948656	2.3738029	20	—	—
124511 2001 RX_{65}	15.7	X	341.03037	141.89329	278.71582	4.55587	0.1870685	0.26667008	2.3904878	20	—	—
124512 2001 RK_{67}	15.4	X	203.41071	45.56539	207.60544	10.27052	0.1878340	0.27942454	2.3171795	20	—	—
124513 2001 RN_{68}	16.5	X	127.12068	118.25314	313.93127	6.19595	0.0621448	0.29045545	2.2581339	20	3 24.5	19.3
124514 2001 RE_{69}	15.8	X	148.37599	52.12415	337.44605	6.91971	0.1147631	0.28772054	2.2724211	20	3 2.5	18.6
124515 2001 RJ_{69}	16.4	X	198.68490	193.11668	230.97604	4.62742	0.1413450	0.29880528	2.2158679	20	6 11.9	19.5
124516 2001 RO_{71}	16.5	X	219.11678	358.12328	319.86975	2.37014	0.1526812	0.28990854	2.2609730	20	2 13.4	19.8
124517 2001 RC_{72}	16.5	X	159.00862	89.30347	298.58732	4.34791	0.1395673	0.28866368	2.2674686	20	3 12.6	19.7
124518 2001 RU_{73}	16.3	X	6.15131	234.19301	279.67171	5.00584	0.0991448	0.28479102	2.2879781	20	1 14.8	18.4
124519 2001 RT_{75}	16.4	X	43.16228	332.82882	46.37916	4.65550	0.2415545	0.26947935	2.3738452	20	—	—
124520 2001 RX_{75}	16.0	X	33.44631	61.35321	16.91509	4.79608	0.2125289	0.27376396	2.3490118	20	—	—
124521 2001 RC_{77}	16.3	X	110.21100	321.06553	74.04902	7.11121	0.1643276	0.28003921	2.3137876	20	2 2.2	19.1
124522 2001 RN_{77}	16.0	X	177.48067	208.07191	152.33379	5.45158	0.1828973	0.28603692	2.2813293	20	2 29.8	19.6
124523 2001 RL_{78}	16.3	X	10.57787	48.46969	336.47268	3.07094	0.2436753	0.26582285	2.3955644	20	—	—
124524 2001 RB_{80}	15.6	X	12.47955	192.77507	291.38476	3.05918	0.1068253	0.28148198	2.3058744	20	—	—
124525 2001 RE_{81}	16.1	X	22.49618	63.57490	297.86421	2.36868	0.1963035	0.26661671	2.3908067	20	—	—
124526 2001 RG_{83}	16.4	X	139.72103	36.78489	254.11203	3.46020	0.0750131	0.27592912	2.3367075	20	—	—
124527 2001 RR_{84}	16.2	X	135.20881	298.21660	327.37058	5.46235	0.1070189	0.27250570	2.3562371	20	12 27.8	19.6
124528 2001 RX_{86}	16.7	X	315.73540	77.20645	342.24031	1.60915	0.1773458	0.26304908	2.4123752	20	11 24.9	18.6
124529 2001 RL_{88}	16.2	X	95.96214	232.14177	61.83190	3.08205	0.2023564	0.27059884	2.3672934	20	12 27.0	19.9
124530 2001 RN_{89}	16.3	X	46.92815	283.56536	17.87067	6.37060	0.1355440	0.26374530	2.4081280	20	11 7.2	19.3
124531 2001 RO_{90}	16.5	X	139.90688	346.75814	69.56319	5.20862	0.1311566	0.29095185	2.2555648	20	4 2.2	19.6
124532 2001 RB_{91}	16.8	X	168.56247	353.69161	59.25189	2.22435	0.1794123	0.29415002	2.2391858	20	4 28.4	20.3
124533 2001 RT_{91}	16.4	X	124.98060	250.09289	160.61104	2.87161	0.1577235	0.28769394	2.2725611	20	3 9.3	19.4
124534 2001 RF_{94}	17.0	X	296.04693	3.64279	344.03629	1.30706	0.1590695	0.30508046	2.1853774	20	6 26.6	19.0
124535 2001 RJ_{94}	16.1	X	191.55178	199.52789	208.91305	2.02904	0.1509868	0.24334395	2.5409084	20	5 15.0	20.0
124536 2001 RP_{94}	16.1	X	9.92716	77.48833	305.16118	1.93660	0.1659739	0.26665092	2.3906022	20	—	—
124537 2001 RC_{95}	16.2	X	356.17053	86.59659	314.15940	4.18795	0.1619964	0.26693543	2.3889033	20	—	—
124538 2001 RC_{96}	16.1	X	256.42922	18.86849	148.75292	3.10055	0.1019573	0.27073821	2.3664810	20	—	—
124539 2001 RD_{96}	16.3	X	212.13912	207.92754	173.99238	9.30705	0.0736592	0.24346435	2.5400706	20	5 6.9	20.0
124540 2001 RY_{97}	16.3	X	257.01794	238.21400	305.21657	1.20358	0.1469908	0.27336397	2.3513026	20	—	—
124541 2001 RC_{98}	16.6	X	245.12616	183.13947	0.07749	4.57288	0.1266189	0.27163513	2.3612688	20	—	—
124542 2001 RP_{99}	16.7	X	7.98474	287.60958	135.20773	5.16916	0.2114243	0.27334975	2.3513842	20	—	—
124543 2001 RO_{101}	16.3	X	1.64374	307.90395	89.60842	2.21653	0.1393042	0.26946860	2.3739083	20	—	—
124544 2001 RV_{108}	17.0	X	118.04151	57.77590	39.81889	1.20877	0.1728163	0.29404699	2.2397088	20	5 5.4	19.9
124545 2001 RZ_{108}	17.5	X	59.62611	290.57706	116.29102	0.84871	0.2198434	0.27791906	2.3255401	20	—	—
124546 2001 RA_{112}	16.5	X	315.16682	332.35498	133.47896	2.73183	0.1741927	0.27130166	2.3632033	20	—	—
124547 2001 RG_{121}	16.9	X	37.45348	257.92208	71.08700	2.30457	0.1990891	0.26669741	2.3903244	20	12 12.8	20.0
124548 2001 RT_{126}	16.2	X	53.84050	217.22558	142.67348	7.73642	0.1297589	0.27205685	2.3588280	20	—	—
124549 2001 RQ_{130}	16.6	X	323.18041	343.94684	126.50743	2.19284	0.1402647	0.27262074	2.3555742	20	—	—
124550 2001 RQ_{131}	16.5	X	251.93844	307.45376	92.92311	1.94213	0.1551817	0.30494059	2.1860457	20	7 9.3	19.3
124551 2001 RS_{132}	15.6	X	44.40245	258.17412	116.16462	5.28096	0.0881264	0.27235325	2.3571163	20	—	—
124552 2001 RE_{134}	16.0	X	328.58312	326.79394	140.39734	5.47431	0.1257147	0.27276545	2.3547410	20	—	—
124553 2001 RW_{134}	16.6	X	155.12393	295.06676	120.59139	5.88758	0.0857009	0.29359747	2.2419943	20	4 14.9	19.6
124554 2001 RO_{136}	15.9	X	305.23998	275.79889	119.57423	5.61782	0.1148504	0.25953695	2.4340897	20	10 2.2	18.4
124555 2001 RV_{136}	16.8	X	87.71535	185.03602	77.12561	4.54994	0.1799096	0.31773277	2.1269701	20	11 17.5	19.7
124556 2001 RK_{137}	16.0	X	105.38914	130.16499	136.62642	2.80443	0.1941202	0.26796752	2.3827654	20	12 1.9	19.8
124557 2001 RD_{139}	15.8	X	199.31181	39.98594	79.43539	3.30142	0.1586998	0.25606137	2.4560659	20	8 24.4	19.5
124558 2001 RJ_{151}	16.0	X	84.89255	286.01172	60.50580	7.00876	0.1554473	0.27461465	2.3441582	20	—	—
124559 2001 RR_{152}	16.4	X	229.73931	223.86611	78.62912	4.55078	0.1626029	0.29138126	2.2533482	20	2 4.8	19.8
124560 2001 RP_{154}	16.1	X	324.76927	5.93135	138.17148	4.19231	0.1209995	0.27794006	2.3254229	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124561 2001 ST	16.0	X	112.61947	42.12962	297.45437	8.39534	0.2344832	0.27846759	2.3224851	20	—	—
124562 2001 SU	15.0	X	128.06970	149.12270	210.24523	11.83192	0.2707503	0.22957212	2.6415365	20	1 24.2	19.3
124563 2001 SO_1	17.4	X	326.06363	356.31073	345.10648	2.79797	0.1408927	0.30870215	2.1682513	20	8 24.7	18.8
124564 2001 SS_1	16.9	X	75.40672	160.42755	230.58948	2.00082	0.1529607	0.27734650	2.3287396	20	—	—
124565 2001 SD_2	16.7	X	108.84298	93.58867	336.61158	3.40876	0.0882423	0.28785539	2.2717113	20	3 4.1	19.2
124566 2001 SN_2	15.9	X	325.50994	16.75638	63.72015	2.33728	0.1607897	0.26625601	2.3929655	20	—	—
124567 2001 SO_2	16.5	X	348.78853	350.07432	0.07090	1.05675	0.1902386	0.26035214	2.4290062	20	10 21.4	18.4
124568 2001 SV_2	16.3	X	139.96201	224.12043	62.05879	2.85422	0.1985092	0.27454033	2.3445812	20	—	—
124569 2001 SJ_4	16.1	X	327.10439	46.50287	34.19820	2.57573	0.1824075	0.26714240	2.3876693	20	—	—
124570 2001 SS_4	15.6	X	0.39968	132.99728	21.22708	6.71630	0.0936230	0.28431622	2.2905246	20	1 7.9	18.1
124571 2001 SV_4	16.7	X	239.11996	203.53251	140.67361	6.30895	0.1888913	0.29576823	2.2310109	20	4 6.3	20.1
124572 2001 SX_5	15.8	X	132.65878	267.80985	143.48339	22.58680	0.2654387	0.28596340	2.2817203	20	4 5.5	19.7
124573 2001 SS_9	16.2	X	25.63133	244.18026	221.35649	5.73264	0.0859368	0.27657738	2.3330548	20	—	—
124574 2001 ST_9	16.2	X	288.88841	190.29977	278.63637	1.15776	0.1359787	0.26222914	2.4174013	20	12 15.7	18.5
124575 2001 SJ_{12}	16.5	X	157.74374	89.15690	176.51456	4.83733	0.0775329	0.27505279	2.3416681	20	—	—
124576 2001 SS_{12}	16.8	X	175.62727	276.35053	355.82043	2.80793	0.1907092	0.28021649	2.3128116	20	—	—
124577 2001 SX_{13}	17.2	X	260.68714	346.03284	18.57101	2.19798	0.1713445	0.30255113	2.1975404	20	5 26.4	20.0
124578 2001 SE_{14}	16.1	X	8.36224	131.65538	9.81022	6.03396	0.0921242	0.28491077	2.2873369	20	1 2.4	18.5
124579 2001 SF_{15}	16.4	X	27.14007	236.61192	59.22755	1.45378	0.2099711	0.26140297	2.4224921	20	10 16.3	19.1
124580 2001 SJ_{15}	16.5	X	126.15324	354.08574	14.75822	4.35229	0.1437612	0.28321364	2.2964656	20	1 14.1	19.3
124581 2001 SN_{15}	16.0	X	19.22273	47.78432	16.42259	4.62268	0.1710807	0.27359672	2.3499690	20	—	—
124582 2001 SW_{15}	16.8	X	84.57794	281.49077	150.02342	2.63422	0.1259984	0.28471929	2.2883623	20	2 4.9	19.0
124583 2001 SF_{16}	17.2	X	331.36767	142.05529	165.92204	1.82801	0.0581707	0.30516248	2.1849858	20	7 12.3	19.1
124584 2001 SN_{16}	16.4	X	56.66986	327.66689	122.56292	1.85274	0.1246702	0.28311146	2.2970181	20	1 13.8	18.2
124585 2001 SG_{17}	17.1	X	61.66111	183.35731	155.36820	1.48573	0.1984864	0.27057180	2.3674512	20	—	—
124586 2001 SU_{18}	16.6	X	357.05176	262.71169	166.78821	3.69949	0.1752063	0.27051354	2.3677911	20	—	—
124587 2001 SR_{20}	16.0	X	139.51264	16.16308	45.32797	2.84729	0.1400028	0.23708857	2.5854073	20	4 10.7	19.9
124588 2001 SD_{21}	16.0	X	219.86924	254.86103	81.88780	3.91367	0.1772363	0.23972229	2.5664360	20	3 13.9	20.1
124589 2001 SV_{21}	16.0	X	66.90299	298.01831	85.96268	3.16858	0.2194769	0.27458476	2.3443283	20	—	—
124590 2001 SW_{23}	16.8	X	195.15241	351.47870	314.54301	0.74721	0.2502192	0.28716157	2.2753690	20	1 11.4	20.7
124591 2001 SX_{23}	16.5	X	16.52559	232.45233	187.95740	4.32701	0.2191446	0.27176592	2.3605111	20	—	—
124592 2001 SK_{24}	16.3	X	35.25259	76.07630	340.32869	2.59998	0.1421887	0.27481102	2.3430413	20	—	—
124593 2001 ST_{24}	16.0	X	126.06705	107.62599	215.45993	3.05180	0.1674103	0.27779988	2.3262051	20	—	—
124594 2001 SR_{25}	15.8	X	321.88625	134.29034	9.22743	7.40251	0.0522142	0.27772017	2.3266502	20	—	—
124595 2001 SZ_{25}	16.5	X	178.53163	250.91105	172.05633	5.24697	0.1398785	0.29647657	2.2274560	20	5 21.5	19.8
124596 2001 SG_{26}	15.8	X	225.46249	315.83997	182.35638	12.72022	0.1536513	0.26141855	2.4223959	20	10 18.1	19.1
124597 2001 SY_{26}	15.5	X	44.44033	344.71252	186.11879	15.78297	0.1252457	0.24070758	2.5594277	20	4 29.4	18.4
124598 2001 SN_{27}	17.2	X	188.14811	205.01034	155.55484	1.58840	0.0727847	0.29059322	2.2574202	20	3 6.6	20.1
124599 2001 SR_{28}	16.4	X	357.34571	156.36297	22.21462	7.06490	0.0514738	0.28820807	2.2698576	20	2 13.3	18.9
124600 2001 SX_{28}	16.4	X	105.09397	110.24088	153.92712	2.44274	0.1834915	0.26704441	2.3882533	20	11 27.9	20.1
124601 2001 SM_{29}	16.9	X	252.98981	265.77048	178.03423	2.38618	0.1364067	0.25698838	2.4501559	20	9 9.6	19.8
124602 2001 SW_{30}	16.3	X	48.38961	326.84486	123.53057	1.61236	0.1739788	0.28004350	2.3137639	20	—	—
124603 2001 SZ_{33}	16.1	X	341.72104	262.96366	164.78560	1.85607	0.0887465	0.26829930	2.3808006	20	—	—
124604 2001 SL_{34}	16.0	X	14.44197	257.92741	170.61669	2.70955	0.1527437	0.27237552	2.3569878	20	—	—
124605 2001 SY_{38}	15.2	X	192.67965	280.31908	18.15398	22.76428	0.0013549	0.28085211	2.3093207	20	—	—
124606 2001 SS_{39}	16.8	X	61.50824	225.86225	107.56910	3.17230	0.2311491	0.26925688	2.3751526	20	—	—
124607 2001 SG_{40}	16.5	X	76.81011	345.46277	63.87615	4.20295	0.1814417	0.27877401	2.3207830	20	—	—
124608 2001 SH_{40}	15.7	X	230.65702	2.39694	163.84344	7.86477	0.1257746	0.26565813	2.3965545	20	12 5.5	18.9
124609 2001 SS_{40}	15.8	X	108.81312	280.82456	155.58149	4.93986	0.1211504	0.28710984	2.2756423	20	3 19.3	18.5
124610 2001 SU_{42}	16.6	X	354.93633	22.46925	47.58205	2.12147	0.1615224	0.27039289	2.3684954	20	—	—
124611 2001 SC_{43}	16.3	X	19.25570	249.54967	133.09691	2.77382	0.1913593	0.26832880	2.3806261	20	—	—
124612 2001 SD_{44}	16.3	X	290.75638	336.06818	70.43195	3.63255	0.1907672	0.25756235	2.4465145	20	9 9.8	18.6
124613 2001 SE_{45}	17.1	X	353.64770	251.69312	76.31046	3.31631	0.2256606	0.25932735	2.4354011	20	10 3.7	18.9
124614 2001 SV_{45}	16.7	X	312.60894	162.26191	148.83160	6.47615	0.1193596	0.30292449	2.1957343	20	6 5.9	18.8
124615 2001 SW_{46}	16.2	X	121.16791	39.09234	33.35450	6.87288	0.0891857	0.28968977	2.2621111	20	3 26.4	18.9
124616 2001 SB_{48}	16.8	X	65.32676	354.15237	66.70423	4.18201	0.2139520	0.27858372	2.3218397	20	—	—
124617 2001 SL_{48}	16.6	X	17.16105	245.76593	75.57972	3.15500	0.1691196	0.31407267	2.1434628	20	11 12.3	18.6
124618 2001 SR_{48}	16.5	X	265.63718	301.16178	41.55548	6.88726	0.1543887	0.30001353	2.2099146	20	5 4.1	19.2
124619 2001 SC_{49}	15.7	X	108.37920	4.98986	34.64183	8.68824	0.1557744	0.28298119	2.2977230	20	2 5.7	18.5
124620 2001 SS_{50}	15.9	X	356.60490	290.29821	126.83105	5.65978	0.1805746	0.26789629	2.3831877	20	—	—
124621 2001 SV_{50}	16.9	X	265.47052	254.63155	109.76089	5.01577	0.1060329	0.30155312	2.2023863	20	6 12.7	19.3
124622 2001 SD_{52}	16.8	X	232.78631	275.98485	146.61681	5.35995	0.0983227	0.30353529	2.1927877	20	7 24.1	19.5
124623 2001 SU_{54}	16.4	X	101.26900	304.95727	129.54691	5.87761	0.1498890	0.28515588	2.2860260	20	3 12.1	19.0
124624 2001 SG_{56}	16.6	X	266.28304	218.18585	131.38776	5.18826	0.1821722	0.30027680	2.2086227	20	5 12.9	19.4
124625 2001 SS_{57}	16.1	X	139.15236	11.08800	24.14040	6.14174	0.1656300	0.28632843	2.2797807	20	3 8.1	19.3
124626 2001 SG_{58}	17.4	X	252.94995	2.15118	15.70273	2.31831	0.1159670	0.30141196	2.2030739	20	6 12.9	20.0
124627 2001 SF_{60}	16.2	X	355.94886	114.72514	275.15222	3.87483	0.1003319	0.26653079	2.3913205	20	12 21.7	18.8
124628 2001 SY_{60}	15.8	X	62.24988	44.84686	21.06229	6.57652	0.1003373	0.27913161	2.3188004	20	—	—
124629 2001 SK_{62}	16.9	X	100.91717	348.22419	11.88095	3.10947	0.2344347	0.27719390	2.3295941	20	—	—
124630 2001 SM_{62}	15.5	X	113.46757	315.20436	195.69975	0.92734	0.0571333	0.24595945	2.5228632	20	6 28.2	18.9
124631 2001 SW_{62}	16.7	X	157.94772	25.69585	33.94708	5.56680	0.1049314	0.29215565	2.2493646	20	4 22.2	19.6
124632 2001 SA_{63}	16.1	X	78.07225	265.20416	176.14435	6.66665	0.0750678	0.28342833	2.2953058	20	1 31.1	18.7
124633 2001 SR_{63}	15.9	X	353.25003	154.82842	25.49843	5.35665	0.1536339	0.28479026	2.2879821	20	1 26.2	18.1
124634 2001 SL_{64}	16.6	X	270.89034	151.26363	155.65798	2.96427	0.2291008	0.29619760	2.2288544	20	3 14.1	19.7
124635 2001 SL_{65}	16.0	X	185.85822	20.12599	172.87283	5.79569	0.0637983	0.26243004	2.4161674	20	11 22.6	19.3
124636 2001 SS_{65}	16.0	X	36.35360	264.73347	157.10140	4.93796	0.2097227	0.27302101	2.3532713	20	—	—
124637 2001 SV_{65}	15.8	X	335.17943	296.03921	109.99532	3.81339	0.2407037	0.26238521	2.4164426	20	12 25.9	17.6
124638 2001 SG_{66}	16.4	X	147.34831	197.46453	173.84971	5.51253	0.1753002	0.28428555	2.2906893	20	2 12.7	19.6
124639 2001 SR_{66}	16.5	X	172.97997	333.23405	31.92885	7.68993	0.1366861	0.28709501	2.2757207	20	3 3.1	19.9
124640 2001 SX_{66}	16.1	X	25.55792	3.50117	53.17912	6.59623	0.2300117	0.27070335	2.3666841	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124641 2001 SU_{67}	16.5	X	25.46227	247.76844	155.77644	4.68786	0.2618690	0.26911624	2.3759800	20	—	—
124642 2001 SJ_{68}	15.9	X	48.23423	33.51269	67.13114	4.62156	0.1927294	0.27840240	2.3228477	20	1 18.9	17.5
124643 2001 SQ_{68}	16.0	X	222.66962	219.22299	152.22865	5.17739	0.2032057	0.24204943	2.5499599	20	4 26.6	20.2
124644 2001 SG_{69}	15.7	X	184.85956	171.79486	154.70223	7.25182	0.2176975	0.28443427	2.2898908	20	1 25.9	19.4
124645 2001 SK_{69}	15.9	X	27.94289	0.27729	57.30801	6.77356	0.2261370	0.27053136	2.3676871	20	—	—
124646 2001 SZ_{69}	16.0	X	89.88683	210.02886	154.40065	6.92908	0.1461843	0.27356766	2.3501354	20	—	—
124647 2001 SB_{70}	16.7	X	194.42097	252.42141	144.98438	5.92344	0.1704657	0.29277443	2.2461941	20	5 4.2	20.2
124648 2001 SD_{70}	15.9	X	261.30449	227.41912	138.42744	5.35897	0.1824105	0.29941764	2.2128457	20	5 29.2	18.9
124649 2001 SM_{70}	15.9	X	83.28868	223.84495	106.02497	6.81579	0.1742398	0.26850684	2.3795736	20	—	—
124650 2001 ST_{70}	14.8	X	118.71177	8.00363	65.44235	14.47123	0.0774535	0.23246322	2.6195893	20	4 2.6	18.7
124651 2001 SZ_{71}	15.9	X	344.30072	201.14988	158.93787	6.60561	0.1259336	0.25852010	2.4404683	20	10 23.1	18.3
124652 2001 SK_{72}	15.5	X	311.76927	29.48282	72.82517	7.51637	0.0852997	0.26423951	2.4051244	20	—	—
124653 2001 SO_{72}	15.5	X	140.27308	280.01845	155.35715	5.63887	0.1638051	0.23579542	2.5948513	20	5 2.5	19.5
124654 2001 SV_{73}	16.3	X	134.11447	272.48212	71.37464	5.67741	0.2694195	0.28380604	2.2932688	20	1 7.3	19.4
124655 2001 SP_{74}	15.9	X	200.20200	359.71828	303.26951	5.83335	0.1411002	0.28465266	2.2887194	20	1 8.7	19.3
124656 2001 SC_{75}	16.6	X	263.96482	120.76791	300.26346	3.69645	0.0800005	0.30804829	2.1713184	20	9 8.7	18.7
124657 2001 SM_{76}	16.3	X	343.57430	231.09485	256.57926	3.64530	0.0964328	0.28047497	2.3113904	20	—	—
124658 2001 SV_{76}	16.0	X	182.63744	51.33894	214.52822	5.15612	0.1701550	0.27889392	2.3201177	20	—	—
124659 2001 SO_{80}	16.3	X	168.67549	243.13755	183.51408	6.60127	0.2673268	0.24377783	2.5378927	20	5 20.1	20.9
124660 2001 SW_{80}	17.1	X	17.43079	129.62401	259.18484	1.06194	0.2012484	0.27081101	2.3660568	20	—	—
124661 2001 SG_{81}	16.8	X	207.80350	198.27923	203.18509	3.65531	0.1614198	0.30039719	2.2080326	20	5 21.0	19.9
124662 2001 SD_{84}	16.8	X	33.77352	269.49349	193.69896	6.01442	0.0455581	0.28466807	2.2886368	20	—	—
124663 2001 SP_{85}	16.8	X	101.03706	138.59843	312.93383	3.78758	0.0981406	0.29160365	2.2522024	20	3 22.7	19.3
124664 2001 SR_{88}	16.9	X	171.93822	56.38732	200.58194	1.75343	0.1981329	0.27815758	2.3242104	20	—	—
124665 2001 SQ_{89}	17.5	X	283.76195	115.30160	288.97036	2.47870	0.0907281	0.31139114	2.1557507	20	9 15.5	19.6
124666 2001 SX_{93}	16.1	X	144.49613	37.58084	334.48811	4.58964	0.0898051	0.23410550	2.6073238	20	2 8.9	19.8
124667 2001 SU_{98}	16.3	X	243.68181	201.88557	310.53399	1.85330	0.1419002	0.26802653	2.3824156	20	12 1.5	19.0
124668 2001 SF_{99}	16.7	X	179.56731	99.31229	346.02941	2.02994	0.1965238	0.24636725	2.5200784	20	6 19.4	21.0
124669 2001 SP_{101}	15.9	X	16.32416	214.14789	182.42497	5.01428	0.0707215	0.21792048	2.7348741	20	—	—
124670 2001 SC_{105}	16.1	X	319.51993	212.24482	288.82814	4.94519	0.1474754	0.27468442	2.3437612	20	—	—
124671 2001 SQ_{106}	15.7	X	75.11128	350.12660	330.52459	6.31225	0.1443183	0.26765021	2.3846482	20	—	—
124672 2001 SX_{106}	15.4	X	169.50869	35.85707	345.13221	7.10641	0.2107291	0.23559970	2.5962882	20	3 22.3	19.6
124673 2001 SZ_{106}	16.9	X	44.10430	1.14448	302.24926	4.24391	0.0661442	0.31384008	2.1445217	20	11 5.8	19.5
124674 2001 SH_{107}	15.2	X	11.74774	63.19894	331.25296	5.71193	0.1165123	0.26530655	2.3986713	20	—	—
124675 2001 SW_{107}	15.8	X	56.87268	66.24955	323.98146	6.15881	0.1436205	0.27121734	2.3636931	20	—	—
124676 2001 SY_{107}	15.6	X	152.45838	4.83931	341.37998	7.28923	0.2306654	0.28125174	2.3071327	20	1 25.7	19.1
124677 2001 SE_{108}	15.3	X	20.01062	37.53673	306.56598	4.99662	0.1386199	0.25993679	2.4315930	20	11 28.1	18.1
124678 2001 SD_{111}	15.1	X	58.81968	58.24021	285.34475	7.54084	0.1245505	0.26510351	2.3998958	20	—	—
124679 2001 SS_{111}	15.5	X	225.13985	57.41731	8.01125	11.03640	0.1409480	0.24738608	2.5131546	20	7 13.4	19.4
124680 2001 ST_{111}	15.9	X	173.51797	35.73705	334.41211	5.09894	0.0978559	0.28680568	2.2772509	20	3 3.7	18.9
124681 2001 ST_{112}	15.3	X	6.70431	310.18777	213.04240	5.99734	0.0427627	0.28284873	2.2984403	20	2 1.9	17.9
124682 2001 SC_{113}	15.8	X	330.37442	233.93032	205.76970	4.89178	0.1444656	0.26424525	2.4050896	20	—	—
124683 2001 SL_{113}	16.7	X	128.33097	200.92180	212.77957	6.68799	0.0899194	0.28844978	2.2685894	20	3 5.3	19.6
124684 2001 SW_{114}	15.7	X	325.47872	306.50271	19.90165	5.89631	0.1146110	0.25279469	2.4771791	20	7 24.4	18.3
124685 2001 SN_{116}	15.8	X	121.37110	64.32835	46.76285	6.81947	0.0239961	0.29179676	2.2512086	20	5 8.8	18.5
124686 2001 SD_{118}	17.0	X	107.82826	204.72033	228.96721	5.07821	0.1803783	0.28818845	2.2699607	20	3 20.2	19.9
124687 2001 SO_{118}	16.8	X	65.11755	311.67142	248.03599	3.23590	0.0534735	0.30349849	2.1929650	20	7 2.1	19.0
124688 2001 SU_{121}	15.6	X	278.05295	192.17554	281.97400	5.12698	0.0867871	0.26742753	2.3859718	20	12 10.1	18.1
124689 2001 SA_{122}	16.9	X	53.09206	82.64712	256.76096	3.67255	0.1964281	0.26958613	2.3732183	20	—	—
124690 2001 SN_{125}	16.6	X	68.81138	254.33915	203.79765	3.96219	0.1602134	0.28645797	2.2790933	20	2 20.2	18.8
124691 2001 SV_{129}	16.6	X	350.54545	254.27101	256.51509	2.02120	0.0740810	0.28339191	2.2955024	20	—	—
124692 2001 SX_{130}	16.4	X	21.40312	135.40683	243.71889	1.26306	0.2157459	0.26847439	2.3797654	20	—	—
124693 2001 SL_{131}	17.9	X	88.30101	39.02808	284.11390	1.01027	0.1380785	0.32510757	2.0946815	20	—	—
124694 2001 SN_{134}	16.3	X	310.59604	309.67004	193.45787	6.24863	0.0608153	0.27625531	2.3348678	20	—	—
124695 2001 SR_{136}	12.5	X	37.16225	338.12348	199.06129	11.98977	0.0009786	0.08327680	5.1934188	20	4 21.7	19.3
124696 2001 SC_{137}	12.8	X	220.92415	144.57512	214.84250	3.12979	0.0640264	0.08427664	5.1522618	20	4 22.8	19.8
124697 2001 SF_{138}	16.6	X	184.62926	87.27066	277.02412	1.14811	0.1907854	0.23807208	2.5782819	20	3 14.6	20.8
124698 2001 SL_{140}	17.1	X	36.83922	124.30250	188.46929	1.99089	0.2201619	0.26397439	2.4067345	20	11 23.8	20.2
124699 2001 SK_{142}	16.8	X	260.67405	115.13462	205.01570	6.89243	0.1416228	0.24490041	2.5301312	20	4 1.6	20.3
124700 2001 SZ_{142}	16.7	X	302.92203	17.01101	240.73959	4.39088	0.1601084	0.29573312	2.2311875	20	2 20.6	19.6
124701 2001 SG_{144}	16.3	X	87.91943	109.14375	346.86433	7.03268	0.1683387	0.28803483	2.2707677	20	3 22.4	18.6
124702 2001 SE_{146}	16.2	X	9.81775	137.78733	351.30234	5.46485	0.0896261	0.28240010	2.3008739	20	—	—
124703 2001 SS_{147}	16.4	X	64.12789	213.06383	246.23175	5.91366	0.0847947	0.28559457	2.2836844	20	2 3.1	18.8
124704 2001 SQ_{148}	16.3	X	276.50389	220.80421	237.95891	3.83552	0.1873905	0.26235125	2.4166511	20	10 30.7	18.5
124705 2001 SR_{149}	15.4	X	110.04077	274.16577	330.22821	5.94094	0.0845847	0.26164176	2.4210180	20	10 29.9	18.9
124706 2001 SS_{149}	16.0	X	64.11142	135.48752	285.99728	2.33946	0.2311802	0.27781061	2.3261453	20	—	—
124707 2001 ST_{149}	16.0	X	26.09657	249.87812	294.63455	3.36017	0.0776842	0.29198675	2.2502319	20	4 3.6	18.1
124708 2001 SU_{149}	16.6	X	306.33014	4.28704	299.00738	2.56759	0.1116099	0.29998777	2.2100411	20	5 12.1	18.7
124709 2001 SA_{150}	16.4	X	129.70701	39.53224	352.40937	11.33932	0.1898960	0.23246569	2.6195708	20	3 1.0	20.4
124710 2001 SD_{151}	16.2	X	242.40290	87.85646	353.17824	5.69440	0.0994327	0.30798790	2.1716023	20	9 4.8	18.6
124711 2001 SF_{151}	16.3	X	180.55586	66.26663	235.01607	1.69756	0.2215282	0.28339452	2.2954883	20	—	—
124712 2001 SA_{153}	16.6	X	29.73263	342.62562	2.80980	4.62916	0.0918804	0.31668887	2.1316416	20	12 22.2	19.1
124713 2001 SJ_{153}	16.8	X	72.37327	6.59441	327.67498	1.93507	0.2374039	0.27106386	2.3645852	20	—	—
124714 2001 SA_{155}	16.2	X	242.15891	136.43247	198.84589	6.26335	0.2132076	0.24309182	2.5426651	20	3 26.8	20.3
124715 2001 SC_{155}	16.7	X	341.57303	55.27567	288.15233	1.02290	0.1893077	0.25812191	2.4429775	20	9 22.3	18.5
124716 2001 SG_{157}	16.2	X	58.83894	133.53679	310.48546	6.35662	0.0615855	0.28153944	2.3055607	20	1 5.6	18.6
124717 2001 SG_{158}	16.9	X	328.15031	16.55075	293.44918	2.95033	0.1697408	0.30565013	2.1826612	20	6 29.5	18.4
124718 2001 SA_{160}	15.9	X	48.31664	70.81318	259.96635	4.17508	0.1542798	0.26570254	2.3962874	20	12 21.4	19.1
124719 2001 SH_{160}	16.3	X	299.22718	285.94226	220.12486	5.46321	0.0523426	0.27402033	2.3475464	20	—	—
124720 2001 SZ_{161}	16.8	X	28.06952	158.66155	264.50480	1.69736	0.2116640	0.27285490	2.3542263	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124721 2001 SW_{163}	16.1	X	181.17968	28.76249	207.87477	6.80457	0.0571784	0.27007499	2.3703536	20	—	—
124722 2001 SG_{164}	17.0	X	53.84651	76.28110	338.53588	1.84795	0.2468645	0.27465958	2.3439025	20	—	—
124723 2001 SW_{164}	16.3	X	87.36419	26.27021	21.11761	5.52848	0.1587982	0.27865429	2.3214477	20	1 13.7	18.6
124724 2001 SE_{165}	16.4	X	107.11492	66.24718	4.47456	4.60181	0.0848577	0.28580116	2.2825838	20	3 3.4	18.9
124725 2001 SR_{167}	15.9	X	358.43864	24.25461	0.16962	9.03184	0.1215724	0.26584897	2.3954075	20	12 20.8	18.7
124726 2001 SU_{168}	16.3	X	1.47041	128.31955	37.20641	7.14330	0.0500628	0.28430046	2.2906093	20	2 1.6	18.9
124727 2001 SG_{169}	16.1	X	115.88779	7.41372	288.66698	1.91946	0.2388366	0.27151475	2.3619667	20	—	—
124728 2001 SR_{171}	17.1	X	32.06431	287.44623	38.61489	3.08099	0.2140003	0.26516551	2.3995218	20	12 3.9	20.2
124729 2001 SB_{173}	12.7	X	204.22905	200.77568	180.47201	8.08121	0.0987155	0.08349413	5.1844031	20	4 30.8	20.0
124730 2001 SV_{173}	16.1	X	30.17197	65.23080	55.37292	7.43625	0.0355610	0.28313739	2.2968778	20	1 12.3	18.7
124731 2001 SJ_{177}	16.9	X	318.24706	138.06834	148.78679	3.57949	0.1392052	0.29957436	2.2120739	20	5 5.2	18.9
124732 2001 SY_{178}	16.5	X	174.55986	264.13391	147.52416	5.57843	0.1160404	0.29183547	2.2510095	20	5 2.6	19.7
124733 2001 SG_{179}	16.5	X	144.73288	257.59784	109.27241	5.34416	0.1717649	0.28212030	2.3023950	20	2 6.1	19.7
124734 2001 SP_{179}	16.0	X	108.67330	192.57718	149.36080	6.24387	0.1676809	0.27346983	2.3506958	20	—	—
124735 2001 SB_{183}	16.4	X	333.71689	34.93591	31.77715	1.65347	0.1698925	0.26921349	2.3754078	20	—	—
124736 2001 SK_{183}	15.4	X	288.50525	196.34000	348.68216	12.30019	0.0922809	0.23072052	2.6327638	20	—	—
124737 2001 SW_{183}	16.1	X	178.08609	251.53640	344.36181	6.89371	0.2054110	0.22480182	2.6787746	20	12 17.2	20.5
124738 2001 SF_{199}	16.5	X	279.34540	77.96946	50.77510	2.06162	0.1235305	0.26943406	2.3741112	20	12 30.9	18.7
124739 2001 SE_{201}	16.2	X	308.87553	333.36242	142.75654	0.80807	0.1683239	0.27092229	2.3654089	20	—	—
124740 2001 SK_{204}	16.2	X	80.89182	99.18852	14.70355	6.46054	0.0790266	0.29118743	2.2543481	20	3 24.5	18.5
124741 2001 SL_{206}	17.5	X	307.58149	27.16200	9.38785	0.37994	0.1206411	0.31295340	2.1485705	20	10 19.2	18.8
124742 2001 SV_{207}	16.5	X	178.73725	86.11116	10.00868	5.10195	0.0951158	0.30208858	2.1997830	20	7 6.8	19.6
124743 2001 SY_{207}	17.0	X	192.65504	162.29571	125.98423	1.69678	0.1155759	0.28309932	2.2970837	20	—	—
124744 2001 SB_{210}	16.6	X	83.46921	145.22710	21.04524	5.34522	0.0627367	0.29960294	2.2119332	20	6 10.2	19.1
124745 2001 SF_{210}	16.0	X	30.68030	356.75841	60.21213	3.28436	0.2147497	0.27371441	2.3492953	20	—	—
124746 2001 SN_{211}	16.8	X	82.80267	314.59643	139.65523	1.20136	0.1465282	0.28681462	2.2772036	20	3 9.8	19.1
124747 2001 SP_{211}	17.1	X	317.99517	59.47872	24.38173	2.46540	0.1834893	0.26660513	2.3908760	20	—	—
124748 2001 SQ_{212}	16.5	X	226.57547	325.41198	28.95267	6.03893	0.1236502	0.29599382	2.2298772	20	4 9.3	19.7
124749 2001 SD_{215}	16.5	X	181.83061	301.45695	67.68392	2.73515	0.1859866	0.29087911	2.2559408	20	3 16.6	20.0
124750 2001 SO_{215}	16.3	X	337.56969	193.33061	147.19274	8.44226	0.1404091	0.25749762	2.4469245	20	9 8.6	18.4
124751 2001 SR_{217}	15.8	X	244.16343	269.58896	25.90576	13.41115	0.1796711	0.23918997	2.5702423	20	2 18.7	20.1
124752 2001 SB_{220}	16.9	X	339.36963	102.50868	30.18600	3.25740	0.0987171	0.27799110	2.3251383	20	—	—
124753 2001 SK_{220}	16.4	X	344.28928	309.56560	163.68244	4.88819	0.0920545	0.27581258	2.3373657	20	—	—
124754 2001 SK_{222}	14.9	X	264.00327	100.49096	89.24461	2.87758	0.0506356	0.17071234	3.2182969	20	—	—
124755 2001 SU_{222}	16.5	X	139.53966	84.85560	17.18528	6.90900	0.0903951	0.29657587	2.2269587	20	5 26.5	19.5
124756 2001 SM_{225}	16.1	X	190.14065	147.90812	37.04871	3.18568	0.1031954	0.26434509	2.4044840	20	11 11.9	19.4
124757 2001 SU_{225}	16.3	X	330.42652	329.57854	167.82027	2.22312	0.1524439	0.27568342	2.3380957	20	—	—
124758 2001 SH_{227}	16.8	X	99.47704	296.97826	174.62005	3.06098	0.1606285	0.29031768	2.2588483	20	5 1.4	19.4
124759 2001 SP_{228}	16.3	X	237.03667	44.09688	71.58125	2.36071	0.1314426	0.25883796	2.4384699	20	10 4.5	19.5
124760 2001 SQ_{228}	16.3	X	216.82064	27.17795	171.02396	6.34047	0.0597885	0.27003975	2.3705598	20	—	—
124761 2001 ST_{230}	16.4	X	78.21130	139.15209	29.28271	6.14838	0.0791732	0.29708330	2.2244222	20	6 8.1	19.0
124762 2001 SE_{233}	15.8	X	199.84344	101.76867	82.86941	2.49122	0.1228738	0.26424976	2.4050622	20	11 20.8	19.0
124763 2001 SW_{234}	16.3	X	150.56300	55.92588	31.03716	4.13268	0.0963470	0.29455806	2.2371174	20	5 20.0	19.4
124764 2001 SE_{235}	16.5	X	34.22492	158.75700	190.12523	2.09826	0.2285062	0.26640519	2.3920721	20	—	—
124765 2001 SO_{238}	16.0	X	323.92459	325.38996	99.41762	3.66407	0.1671520	0.26368542	2.4084925	20	12 21.8	17.9
124766 2001 SV_{239}	16.0	X	162.00474	3.50063	54.29086	7.98629	0.1188962	0.29201579	2.2500828	20	4 26.5	19.1
124767 2001 SO_{240}	16.0	X	318.60578	321.38466	119.07844	5.82478	0.1603456	0.26430492	2.4047276	20	—	—
124768 2001 SB_{243}	16.5	X	57.71338	205.81879	76.75146	2.19601	0.1754140	0.26122402	2.4235983	20	11 2.6	19.8
124769 2001 SJ_{244}	16.1	X	311.23475	292.94043	60.08398	6.98032	0.1645940	0.25349210	2.4726336	20	8 1.6	18.5
124770 2001 SP_{244}	16.2	X	161.02560	65.75248	134.95686	2.58002	0.1365755	0.26249165	2.4157893	20	10 31.2	19.8
124771 2001 SR_{244}	16.8	X	346.92868	7.63778	84.22690	2.41243	0.1548023	0.27121471	2.3637084	20	—	—
124772 2001 SL_{245}	16.2	X	29.30804	148.40957	152.72766	1.48942	0.1847983	0.25927604	2.4357224	20	10 22.5	18.9
124773 2001 SB_{246}	17.1	X	95.78335	253.86054	184.65109	1.29612	0.0784726	0.28538036	2.2848270	20	2 24.6	19.6
124774 2001 SG_{247}	17.3	X	352.50565	149.67903	149.44701	3.08446	0.1890283	0.30694613	2.1765131	20	8 15.2	18.4
124775 2001 SJ_{247}	16.5	X	41.76958	8.21831	64.32705	3.00470	0.1357098	0.27630780	2.3345721	20	—	—
124776 2001 SY_{247}	16.1	X	33.10852	110.35027	55.32864	4.49893	0.0877870	0.28908508	2.2652646	20	3 23.8	18.2
124777 2001 SO_{248}	16.4	X	97.49351	122.69814	25.22174	7.68452	0.1215432	0.29488905	2.2354431	20	6 12.4	19.2
124778 2001 SE_{249}	16.6	X	15.75674	261.94097	57.63554	2.20493	0.1955837	0.25998333	2.4313028	20	10 29.0	18.9
124779 2001 SH_{250}	15.8	X	157.69921	148.62178	43.30447	8.20935	0.1305536	0.25857226	2.4401401	20	10 17.1	19.6
124780 2001 SR_{250}	17.5	X	263.53275	193.27464	143.66744	3.36137	0.1100654	0.29736886	2.2229979	20	5 1.2	20.2
124781 2001 SS_{252}	16.3	X	79.68921	139.71700	33.65822	10.78689	0.0762472	0.29663916	2.2266420	20	6 17.2	19.0
124782 2001 SU_{253}	15.9	X	326.38058	64.08187	125.57420	3.31057	0.0887955	0.28250571	2.3003004	20	1 5.7	18.5
124783 2001 SA_{254}	15.8	X	335.58981	258.94187	176.55785	5.98182	0.1061824	0.21344799	2.7729455	20	—	—
124784 2001 ST_{254}	16.1	X	241.19412	305.27309	42.29851	8.40257	0.1953022	0.29583545	2.2306730	20	4 11.6	19.4
124785 2001 SX_{254}	15.9	X	6.81213	247.97201	137.42820	6.25472	0.1379206	0.26478353	2.4018289	20	—	—
124786 2001 SC_{256}	15.7	X	236.40236	130.59460	78.59495	3.87074	0.1866342	0.27312506	2.3526736	20	—	—
124787 2001 SO_{256}	16.3	X	231.30914	356.07335	132.31454	1.93908	0.1404935	0.25801280	2.4436662	20	10 12.6	19.5
124788 2001 SP_{256}	15.9	X	162.16056	158.92901	33.65918	7.63783	0.0555102	0.25918064	2.4363201	20	10 23.9	19.2
124789 2001 SS_{256}	15.7	X	202.84704	355.00390	186.14841	6.24968	0.0839285	0.26298966	2.4127386	20	11 25.2	19.0
124790 2001 SV_{257}	17.0	X	148.95454	240.01164	171.98185	2.50662	0.1746988	0.29288154	2.2456464	20	4 8.1	20.3
124791 2001 SP_{261}	14.2	X	206.26376	310.44764	334.80751	2.03247	0.1555180	0.12370769	3.9890693	20	1 13.3	20.4
124792 2001 SE_{262}	16.2	X	77.25617	67.70374	315.17818	6.46723	0.1132426	0.27321427	2.3521615	20	—	—
124793 2001 SY_{265}	16.6	X	39.90911	214.77690	203.30382	1.63200	0.1794881	0.27345777	2.3507649	20	—	—
124794 2001 SC_{266}	15.6	X	240.26864	271.39084	209.52836	8.12770	0.0761468	0.25912375	2.4366766	20	10 23.4	18.6
124795 2001 SN_{266}	16.5	X	34.05616	11.82770	357.97489	0.88755	0.1978147	0.26759552	2.3849731	20	—	—
124796 2001 SC_{267}	16.5	X	256.41086	282.25130	40.19960	11.77155	0.3180719	0.24334970	2.5408684	20	3 21.0	21.0
124797 2001 SX_{267}	15.8	X	193.80473	33.81129	39.04886	13.63020	0.2118315	0.24314244	2.5423121	20	6 13.9	20.2
124798 2001 SZ_{267}	16.4	X	66.85390	203.54126	128.95892	3.07175	0.1311663	0.31959543	2.1186978	20	—	—
124799 2001 SX_{271}	16.2	X	356.67133	65.44943	16.94926	2.82363	0.1831384	0.27004574	2.3705248	20	—	—
124800 2001 SJ_{272}	16.2	X	2.78005	16.51952	115.73051	3.07911	0.1528831	0.28144564	2.3060729	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124801 2001 SF_{277}	15.9	X	81.97135	140.74049	316.20844	23.44869	0.2481863	0.28335796	2.2956857	20	3 15.3	18.9
124802 2001 SO_{278}	15.8	X	18.34598	174.64130	281.25322	4.90533	0.0767810	0.27522049	2.3407168	20	—	—
124803 2001 SR_{278}	16.1	X	137.92544	109.67232	274.96266	3.53884	0.1424019	0.28396859	2.2923936	20	2 15.6	19.2
124804 2001 SX_{278}	16.8	X	279.04730	128.11894	235.54185	2.39866	0.2069974	0.30279199	2.1963748	20	6 14.0	19.1
124805 2001 SY_{278}	16.2	X	141.01624	358.94169	12.59893	6.64390	0.1379609	0.28289416	2.2981942	20	2 5.6	19.3
124806 2001 SL_{279}	16.9	X	61.93345	27.70746	323.67091	1.42319	0.2320983	0.27015754	2.3698707	20	—	—
124807 2001 SM_{279}	16.5	X	26.66084	50.91398	318.10309	1.54648	0.2222232	0.26651982	2.3913862	20	—	—
124808 2001 SH_{280}	16.0	X	76.61604	213.61368	94.72282	2.41262	0.1876007	0.26660734	2.3908628	20	12 25.9	19.8
124809 2001 SR_{280}	15.7	X	199.92344	248.91857	176.86416	0.83196	0.1101191	0.24526996	2.5275891	20	6 16.1	19.5
124810 2001 SS_{282}	15.9	X	59.41740	338.99284	64.97415	6.28416	0.1114521	0.27517883	2.3409531	20	—	—
124811 2001 ST_{282}	14.4	X	250.77920	56.16707	337.00405	8.36028	0.2152058	0.24582178	2.5238051	20	6 17.5	18.3
124812 2001 SB_{284}	16.6	X	9.25015	294.03433	177.82416	22.38709	0.2952733	0.27714652	2.3298596	20	—	—
124813 2001 SD_{285}	16.5	X	33.14262	257.42831	209.57002	3.94332	0.0813263	0.28027220	2.3125051	20	—	—
124814 2001 SF_{285}	16.7	X	236.81897	216.49749	205.61541	4.20486	0.0860654	0.30393862	2.1908474	20	7 29.8	19.5
124815 2001 SH_{287}	14.6	X	160.64576	344.15307	73.86374	14.20316	0.1372734	0.23648387	2.5898128	20	5 1.5	18.7
124816 2001 SV_{288}	16.5	X	57.89593	201.69577	277.74708	5.44469	0.0950374	0.28648097	2.2789713	20	2 22.8	18.8
124817 2001 SV_{290}	15.6	X	125.36302	301.61280	93.40934	7.17083	0.1950277	0.28339344	2.2954942	20	2 26.1	18.7
124818 2001 SL_{292}	16.6	X	105.16537	23.98703	247.72541	3.22263	0.1627323	0.26939062	2.3743664	20	12 6.2	20.4
124819 2001 SY_{294}	16.9	X	120.24838	254.08508	201.96067	4.27778	0.0688202	0.29555448	2.2320865	20	4 22.3	19.4
124820 2001 SM_{307}	16.5	X	4.03156	310.91336	91.14269	2.39961	0.1822593	0.26816065	2.3816212	20	—	—
124821 2001 SE_{308}	16.4	X	261.10853	99.29212	20.91027	6.85826	0.0654806	0.26516367	2.3995329	20	11 22.6	19.3
124822 2001 SQ_{308}	17.4	X	249.04771	113.88080	323.36016	2.17297	0.0155839	0.31306635	2.1480537	20	9 22.7	19.7
124823 2001 SO_{311}	16.2	X	139.81767	338.01131	321.50345	6.20884	0.1322231	0.27799844	2.3250974	20	—	—
124824 2001 SJ_{312}	16.6	X	203.45300	294.84303	148.25328	4.93422	0.0843354	0.30563102	2.1827522	20	7 17.7	19.5
124825 2001 SS_{313}	15.7	X	263.59831	331.44535	138.94475	11.35443	0.2404253	0.26053931	2.4278427	20	10 21.2	18.6
124826 2001 SH_{315}	15.8	X	84.75023	202.41373	135.23398	7.49751	0.1327590	0.27059487	2.3673166	20	—	—
124827 2001 SQ_{319}	16.1	X	73.27482	310.56051	186.84198	11.72437	0.1385887	0.23900244	2.5715866	20	4 30.5	19.3
124828 2001 SS_{324}	16.5	X	73.79754	54.09300	250.20136	3.63995	0.1347607	0.26926649	2.3750960	20	12 14.2	19.9
124829 2001 SA_{326}	16.8	X	129.88774	246.96874	143.45309	5.77199	0.1639682	0.28385349	2.2930132	20	2 18.3	19.8
124830 2001 SG_{327}	16.4	X	324.72248	53.80988	30.07286	6.74329	0.0665256	0.26911431	2.3759913	20	—	—
124831 2001 SV_{327}	16.8	X	127.68087	9.07579	78.22032	4.84147	0.0820870	0.29320018	2.2440192	20	4 23.3	19.6
124832 2001 SQ_{332}	16.3	X	188.80472	107.97671	139.82370	7.27604	0.0728866	0.27665808	2.3326011	20	—	—
124833 2001 SF_{350}	17.3	X	162.87758	80.62162	6.63176	4.42893	0.0635996	0.29725103	2.2235853	20	6 2.6	20.2
124834 2001 TH	15.3	X	133.18132	305.18259	84.76965	22.80830	0.2923960	0.28455166	2.2892609	20	3 18.9	19.4
124835 2001 TX_{3}	16.7	X	138.23484	140.02673	238.67649	3.14499	0.1592167	0.28425752	2.2908399	20	2 10.3	19.9
124836 2001 TE_{4}	16.4	X	14.87703	267.29774	200.96602	3.77276	0.1818409	0.27601691	2.3362120	20	—	—
124837 2001 TF_{5}	17.1	X	188.43844	357.10681	44.88029	5.39972	0.1419024	0.29775071	2.2210969	20	5 2.2	20.2
124838 2001 TS_{5}	16.7	X	136.61305	326.89967	134.63844	7.67729	0.1186975	0.29695412	2.2250673	20	5 28.5	19.9
124839 2001 TX_{5}	16.1	X	278.31514	61.46902	69.25708	6.79764	0.0773773	0.26796764	2.3827647	20	—	—
124840 2001 TR_{6}	16.1	X	243.70975	74.50886	112.85683	5.82863	0.1528747	0.27083617	2.3659103	20	—	—
124841 2001 TH_{8}	15.8	X	140.22684	63.77093	294.08000	4.88662	0.2404490	0.28149395	2.3058091	20	1 27.4	19.1
124842 2001 TD_{9}	16.0	X	54.69859	44.49800	349.96349	6.58094	0.1188660	0.27124712	2.3635200	20	—	—
124843 2001 TT_{11}	16.4	X	27.00211	280.70101	197.71290	3.09159	0.0991176	0.28085832	2.3092867	20	—	—
124844 Hirotamasao	16.7	X	55.65617	257.31710	155.44893	2.35070	0.2041631	0.27490324	2.3425173	20	—	—
124845 2001 TH_{15}	16.5	X	116.04752	323.96314	79.46917	5.03281	0.1629680	0.28373689	2.2936414	20	2 20.7	19.4
124846 2001 TN_{15}	16.5	X	91.35380	260.21259	61.28029	3.15338	0.1396253	0.27273921	2.3548920	20	—	—
124847 2001 TX_{15}	15.7	X	44.14585	288.48330	94.57849	7.39161	0.1384798	0.27162354	2.3613359	20	—	—
124848 2001 TZ_{15}	16.3	X	72.23073	41.59073	63.27539	9.20211	0.0807203	0.28659965	2.2783421	20	3 3.1	18.9
124849 2001 TN_{16}	16.0	X	60.54771	247.65949	59.23913	23.03769	0.2444412	0.26594683	2.3948198	20	12 11.3	19.8
124850 2001 TW_{17}	15.8	X	263.03711	115.33977	234.05132	0.91967	0.1025595	0.24380849	2.5376799	20	5 19.1	19.3
124851 2001 TH_{18}	16.6	X	133.34144	18.84971	40.41984	6.17131	0.1411100	0.28612624	2.2808546	20	3 30.5	19.7
124852 2001 TB_{19}	16.0	X	12.31951	95.89559	36.99459	24.21256	0.2339674	0.27614998	2.3354615	20	—	—
124853 2001 TO_{19}	16.5	X	111.67901	86.19478	315.08646	7.10807	0.1308229	0.28165733	2.3049173	20	2 4.9	19.1
124854 2001 TD_{20}	15.4	X	312.78970	116.36955	279.27106	7.26663	0.0768447	0.25730386	2.4481527	20	10 10.6	18.2
124855 2001 TU_{20}	15.4	X	251.91421	67.05305	15.96865	14.66420	0.0360145	0.25392821	2.4698017	20	9 25.8	18.5
124856 2001 TS_{22}	16.7	X	308.79650	93.58949	316.75114	1.45073	0.2048818	0.25924427	2.4359214	20	10 21.6	18.4
124857 2001 TL_{24}	16.3	X	305.01618	293.00377	225.28387	5.55997	0.1211578	0.27521036	2.3407742	20	—	—
124858 2001 TX_{24}	16.8	X	27.42730	25.25070	254.75379	4.49903	0.1894035	0.30968923	2.1636416	20	9 26.6	19.0
124859 2001 TA_{25}	16.3	X	246.20287	185.47261	335.10081	4.88896	0.1626301	0.26632334	2.3925622	20	12 12.6	19.1
124860 2001 TQ_{25}	16.2	X	97.04093	151.60482	342.38645	6.09324	0.0865524	0.29354851	2.2422436	20	5 15.4	18.9
124861 2001 TB_{28}	16.3	X	24.46057	232.03567	284.68358	4.64488	0.1340377	0.28445517	2.2897786	20	2 18.8	18.3
124862 2001 TG_{28}	16.6	X	17.30726	331.29784	336.59102	5.16578	0.1265896	0.30991843	2.1625747	20	10 11.5	18.7
124863 2001 TU_{28}	16.4	X	67.71843	33.13425	1.55452	7.49753	0.1061419	0.27472692	2.3435195	20	—	—
124864 2001 TH_{29}	15.5	X	187.94286	139.02530	255.10819	3.09518	0.0520217	0.23899710	2.5716250	20	4 22.1	19.0
124865 2001 TJ_{29}	17.0	X	309.22936	34.21863	317.22659	1.67785	0.1898547	0.30565406	2.1826425	20	7 25.8	18.4
124866 2001 TM_{30}	16.0	X	195.69389	283.80202	264.52050	2.28315	0.1438978	0.26446163	2.4037775	20	11 18.1	19.3
124867 2001 TF_{31}	16.5	X	114.26115	77.50634	339.07941	5.27948	0.1474785	0.28324870	2.2962761	20	3 2.5	19.1
124868 2001 TL_{33}	15.6	X	6.12531	80.52805	313.02994	4.50824	0.1016260	0.26410756	2.4059254	20	—	—
124869 2001 TZ_{33}	16.2	X	167.72987	19.66030	0.42138	5.75961	0.1949272	0.28706900	2.2758581	20	3 17.2	19.7
124870 2001 TH_{34}	16.1	X	83.45128	98.18070	357.08408	5.66566	0.1735371	0.28217197	2.3021139	20	3 17.3	18.4
124871 2001 TR_{34}	15.8	X	223.45547	108.15890	5.38748	7.53220	0.1025888	0.25248156	2.4792269	20	9 17.5	19.3
124872 2001 TU_{34}	16.0	X	106.44083	349.13733	4.13728	6.81199	0.0922927	0.27312519	2.3526729	20	—	—
124873 2001 TG_{35}	15.6	X	159.63575	73.37313	24.85454	9.92032	0.0504402	0.24124230	2.5556443	20	6 12.3	19.3
124874 2001 TU_{35}	15.3	X	318.38699	263.66971	38.63316	14.97391	0.0821886	0.24307118	2.5428090	20	6 3.1	18.4
124875 2001 TY_{35}	15.7	X	62.78455	103.50563	330.28551	6.37459	0.0734944	0.27663856	2.3327108	20	—	—
124876 2001 TK_{36}	16.0	X	146.30056	95.20542	313.21841	4.73946	0.1540391	0.28602562	2.2813894	20	3 27.3	19.3
124877 2001 TL_{37}	15.5	X	110.19084	354.57295	1.93386	8.42596	0.1387452	0.27373639	2.3491695	20	—	—
124878 2001 TC_{38}	15.6	X	15.55946	192.40718	309.39347	6.14328	0.1436102	0.27639017	2.3341082	20	1 12.6	17.5
124879 2001 TX_{38}	15.7	X	56.25392	64.82298	285.30457	5.64114	0.1651240	0.26679397	2.3897477	20	—	—
124880 2001 TZ_{38}	16.3	X	141.77259	106.31225	340.75946	5.79388	0.2890878	0.23577794	2.5949795	20	5 23.2	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124881 2001 TP_{39}	14.5	X	62.78111	108.89284	40.82579	22.60931	0.1823633	0.28433998	2.2903970	20	5 3.7	16.6
124882 2001 TV_{39}	14.7	X	54.04807	3.27077	18.57473	10.41428	0.1578465	0.21592676	2.7516830	20	—	—
124883 2001 TX_{39}	15.9	X	18.82377	125.18386	9.41526	6.18457	0.1569496	0.27656216	2.3331404	20	1 7.5	18.0
124884 2001 TE_{41}	15.6	X	243.07952	331.21462	25.55710	8.17136	0.1752416	0.29273411	2.2464004	20	4 24.8	18.8
124885 2001 TT_{42}	15.9	X	165.77620	42.37549	331.08851	7.33254	0.1712619	0.28236797	2.3010484	20	3 4.6	19.3
124886 2001 TQ_{44}	15.5	X	331.55952	114.14512	350.38640	5.69143	0.1906589	0.26335054	2.4105339	20	—	—
124887 2001 TH_{45}	16.7	X	57.04361	62.51442	350.26520	2.79475	0.1482411	0.27510097	2.3413947	20	—	—
124888 2001 TP_{45}	15.8	X	285.86150	262.08384	196.94733	0.97693	0.1385948	0.26016594	2.4301650	20	11 24.6	18.2
124889 2001 TT_{46}	16.5	X	320.61771	191.55102	215.30315	2.72445	0.1831206	0.25929958	2.4355750	20	11 15.7	18.4
124890 2001 TU_{46}	16.4	X	171.12776	126.26797	244.43072	4.35275	0.1806779	0.28820214	2.2698888	20	3 5.1	19.9
124891 2001 TE_{47}	16.0	X	144.76879	274.55602	102.81034	5.86721	0.1228335	0.28507893	2.2864373	20	2 14.5	19.0
124892 2001 TN_{48}	16.9	X	40.34958	172.09994	122.48733	1.06036	0.1158958	0.31123277	2.1564820	20	10 28.7	19.1
124893 2001 TM_{49}	15.5	X	212.69983	301.90359	242.97425	5.49087	0.0902835	0.26544610	2.3978305	20	12 10.9	18.5
124894 2001 TN_{49}	16.9	X	42.32694	172.28041	194.98593	2.66445	0.1989055	0.26759290	2.3849887	20	—	—
124895 2001 TJ_{50}	16.7	X	338.65980	173.31888	168.72098	6.42184	0.0539415	0.30945806	2.1647189	20	9 20.0	18.5
124896 2001 TL_{50}	15.3	X	56.06472	281.85275	35.98418	10.55483	0.2831200	0.26778690	2.3838367	20	12 27.4	19.2
124897 2001 TW_{50}	16.5	X	157.61112	292.05274	115.34347	3.11706	0.0771165	0.29100467	2.2552918	20	4 4.6	19.4
124898 2001 TX_{50}	16.4	X	116.52852	341.02907	47.50880	6.23069	0.1293420	0.22941736	2.6427243	20	2 4.5	20.0
124899 2001 TH_{51}	16.6	X	79.14837	0.84472	76.93454	3.34928	0.1631104	0.28209724	2.3025204	20	2 13.0	18.7
124900 2001 TS_{51}	15.9	X	8.82958	352.51079	79.47123	4.88429	0.1976070	0.27057769	2.3674168	20	—	—
124901 2001 TE_{52}	15.9	X	138.49041	11.83560	56.93458	10.46274	0.1664724	0.28911559	2.2651052	20	4 21.3	19.2
124902 2001 TP_{52}	17.6	X	12.77934	185.14646	148.55339	3.01998	0.1564709	0.31422199	2.1427837	20	11 21.9	19.7
124903 2001 TU_{52}	17.2	X	63.77338	55.50388	32.75012	0.63096	0.1600398	0.28174717	2.3044273	20	1 29.0	19.1
124904 2001 TV_{53}	16.2	X	352.14381	234.65357	126.12243	3.43088	0.1751631	0.26063759	2.4272323	20	11 13.5	18.4
124905 2001 TB_{59}	16.4	X	129.17432	203.71026	209.91777	5.81271	0.1285604	0.28711458	2.2756173	20	3 12.4	19.3
124906 2001 TQ_{59}	16.2	X	243.26627	308.33938	49.77933	7.33192	0.2216503	0.24493263	2.5299093	20	4 26.0	20.2
124907 2001 TV_{59}	16.1	X	26.87364	265.07369	80.75081	2.93048	0.1879014	0.26426193	2.4049884	20	12 19.5	19.0
124908 2001 TW_{59}	16.6	X	249.33908	135.35711	226.85107	3.57272	0.2098111	0.24646843	2.5193887	20	5 7.1	20.5
124909 2001 TX_{59}	17.3	X	209.94495	157.91512	237.22010	2.36312	0.1219680	0.29680135	2.2258308	20	5 16.0	20.4
124910 2001 TR_{60}	16.4	X	303.81175	242.84708	221.01221	4.22424	0.1631138	0.26533174	2.3985194	20	—	—
124911 2001 TZ_{61}	16.2	X	344.34422	263.51472	164.58294	3.25039	0.1597486	0.26617563	2.3934472	20	—	—
124912 2001 TA_{63}	16.9	X	64.11135	215.47429	125.04858	2.28854	0.2059723	0.26922405	2.3753457	20	—	—
124913 2001 TF_{63}	16.6	X	179.85961	16.37931	38.23293	7.62447	0.1890208	0.24059260	2.5602431	20	5 11.1	20.7
124914 2001 TD_{64}	15.6	X	195.31053	3.35849	90.10535	5.53153	0.2044720	0.24595529	2.5228917	20	7 13.6	19.7
124915 2001 TZ_{64}	16.6	X	159.77218	342.80560	58.99203	3.98161	0.1163106	0.28949857	2.2631070	20	4 2.8	19.7
124916 2001 TO_{65}	16.1	X	316.92368	169.08933	182.60146	2.33430	0.2046585	0.25424235	2.4677668	20	8 3.0	18.1
124917 2001 TJ_{66}	16.6	X	357.03250	340.66224	29.51795	1.13999	0.1974604	0.26198183	2.4189224	20	12 8.9	18.8
124918 2001 TK_{66}	16.2	X	294.55775	64.75401	27.04502	2.58602	0.1744614	0.26144091	2.4222577	20	11 27.4	18.0
124919 2001 TL_{66}	16.2	X	122.71517	40.41855	35.78621	6.19334	0.1246973	0.28772652	2.2723896	20	4 6.9	19.1
124920 2001 TU_{67}	16.2	X	21.89353	24.28311	40.26225	2.93402	0.1262450	0.27119119	2.3638450	20	—	—
124921 2001 TO_{69}	16.7	X	31.98601	283.19981	199.17978	5.08926	0.1462622	0.28159226	2.3052723	20	1 12.8	18.6
124922 2001 TQ_{69}	16.7	X	134.43438	261.23273	221.46755	2.99042	0.0782977	0.29765630	2.2215666	20	6 19.3	19.6
124923 2001 TU_{69}	17.5	X	124.26337	186.08172	237.21175	0.51142	0.1456103	0.28751233	2.2735180	20	3 23.4	20.3
124924 2001 TE_{70}	16.8	X	53.91342	61.30871	31.88695	3.02711	0.1685607	0.28031924	2.3122464	20	1 17.8	18.5
124925 2001 TK_{70}	15.9	X	23.49897	345.87272	63.25551	5.54111	0.1367820	0.27031542	2.3689478	20	—	—
124926 2001 TO_{70}	14.7	X	248.08642	229.16998	23.75357	11.73684	0.2030924	0.17760109	3.1345290	20	1 3.8	20.0
124927 2001 TH_{71}	16.9	X	54.17369	234.55251	209.09415	1.94362	0.1240158	0.27894865	2.3198142	20	—	—
124928 2001 TR_{71}	17.0	X	312.42791	260.68710	137.01948	1.12321	0.0859554	0.31153805	2.1550730	20	10 31.7	18.7
124929 2001 TU_{71}	16.3	X	303.16260	246.70292	205.56509	1.12557	0.0996913	0.26396976	2.4067627	20	12 20.0	18.6
124930 2001 TY_{71}	16.0	X	227.98481	314.05851	219.11307	6.77664	0.0984236	0.26491119	2.4010573	20	12 13.9	19.0
124931 2001 TE_{72}	17.0	X	140.53468	304.78664	101.14404	4.15935	0.1541847	0.28670595	2.2777790	20	3 22.4	20.2
124932 2001 TA_{74}	16.0	X	177.32557	257.49014	225.81923	4.37700	0.1254547	0.30145673	2.2028558	20	8 8.8	19.3
124933 2001 TP_{75}	15.9	X	109.22916	295.92345	53.95908	7.39507	0.1378626	0.27571979	2.3378901	20	—	—
124934 2001 TA_{76}	16.3	X	59.11552	259.68981	85.79920	2.43668	0.2041210	0.26828840	2.3808651	20	—	—
124935 2001 TQ_{76}	16.1	X	321.47864	327.75704	113.49381	3.40517	0.1459474	0.26396023	2.4068206	20	—	—
124936 2001 TV_{77}	15.9	X	237.62536	273.70442	47.05758	14.95272	0.1813858	0.23785531	2.5798482	20	3 15.9	20.3
124937 2001 TO_{78}	16.5	X	105.22488	184.69364	192.30153	3.51716	0.1536935	0.27761990	2.3272104	20	—	—
124938 2001 TU_{78}	15.9	X	218.24447	262.51808	212.38525	5.15060	0.1876553	0.25166418	2.4845921	20	8 31.3	19.7
124939 2001 TA_{79}	15.5	X	117.61457	310.05306	209.82067	6.13375	0.0693496	0.29715479	2.2240654	20	7 18.8	18.5
124940 2001 TP_{79}	15.4	X	144.41582	54.58901	180.81922	6.64966	0.0642361	0.26205886	2.4184483	20	11 29.0	18.8
124941 2001 TR_{79}	16.3	X	177.06993	214.53885	115.67176	3.99651	0.1936616	0.28362135	2.2942643	20	1 23.5	19.7
124942 2001 TV_{79}	17.1	X	191.25332	281.84021	87.40396	2.13900	0.1962920	0.29019941	2.2594620	20	3 25.0	20.6
124943 2001 TW_{79}	16.3	X	31.56675	311.10693	210.61022	6.47371	0.0869950	0.28586469	2.2822456	20	3 10.4	18.7
124944 2001 TZ_{81}	16.7	X	122.84997	33.55159	249.33804	4.99930	0.2272591	0.27306765	2.3530034	20	—	—
124945 2001 TM_{82}	16.0	X	333.84648	190.96650	282.05426	4.98509	0.1568348	0.27246392	2.3564780	20	—	—
124946 2001 TG_{83}	16.2	X	285.17150	128.70530	311.60771	4.86346	0.0963081	0.26161116	2.4212067	20	10 29.7	18.8
124947 2001 TY_{83}	16.7	X	272.46604	355.57304	274.94976	4.15539	0.0324739	0.28988423	2.2610994	20	2 18.1	19.6
124948 2001 TV_{85}	16.3	X	63.49113	221.93489	296.19722	3.86864	0.0943188	0.29349321	2.2425252	20	5 1.4	18.6
124949 2001 TO_{86}	16.6	X	121.41863	55.02253	358.11510	5.33476	0.1332877	0.28649024	2.2789222	20	3 5.5	19.3
124950 2001 TM_{87}	16.4	X	66.48460	249.47778	286.93723	3.80897	0.1147864	0.29654538	2.2271114	20	6 8.9	18.8
124951 2001 TK_{88}	16.1	X	328.33205	238.27065	255.16674	3.44276	0.0894859	0.27527167	2.3404267	20	—	—
124952 2001 TF_{89}	16.2	X	323.24135	76.36816	353.74275	6.52582	0.0931003	0.26543256	2.3979120	20	12 23.8	18.8
124953 2001 TH_{90}	16.2	X	9.42217	152.62254	288.63407	5.00215	0.1087547	0.27318164	2.3523487	20	—	—
124954 2001 TX_{91}	16.2	X	234.25397	207.49809	335.69941	2.34603	0.0869748	0.26927120	2.3750683	20	—	—
124955 2001 TC_{92}	16.9	X	356.32525	35.45325	341.61490	1.99667	0.1184678	0.31641988	2.1328495	20	12 23.0	18.9
124956 2001 TR_{92}	17.7	X	21.73376	358.47041	328.96412	2.92163	0.0538276	0.31334757	2.1467682	20	11 6.5	20.1
124957 2001 TU_{92}	16.5	X	98.24841	256.88463	272.49219	3.77850	0.0685358	0.29972124	2.2113511	20	7 8.0	19.2
124958 2001 TP_{94}	16.5	X	33.60285	358.27098	254.90120	4.56294	0.1322527	0.30467106	2.1873347	20	8 14.8	18.6
124959 2001 TA_{96}	16.6	X	283.75495	17.93000	282.72850	2.26292	0.1577130	0.29627260	2.2284782	20	3 27.4	19.4
124960 2001 TN_{97}	15.5	X	115.65526	218.14658	277.54165	5.74825	0.1437098	0.24136657	2.5547670	20	6 20.3	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
124961 2001 TZ_{99}	16.4	X	310.82465	145.31666	314.89606	1.78989	0.1903854	0.26549656	2.3975267	20	—	—
124962 2001 TU_{100}	16.3	X	348.16549	259.39937	248.91054	6.19601	0.0855887	0.27969121	2.3157064	20	—	—
124963 2001 TV_{101}	16.5	X	25.15315	213.52891	240.92463	2.84756	0.0954529	0.27661291	2.3328550	20	—	—
124964 2001 TV_{103}	16.9	X	123.99651	178.60658	307.57044	3.08006	0.1330750	0.29486437	2.2355678	20	6 16.8	20.0
124965 2001 TF_{104}	15.8	X	358.10564	345.21090	46.53344	7.21918	0.0993170	0.26299387	2.4127128	20	12 26.2	18.7
124966 2001 TH_{105}	15.9	X	321.24439	100.37099	309.20371	1.39810	0.1770247	0.26002226	2.4310601	20	11 20.8	17.7
124967 2001 TP_{105}	15.4	X	153.38446	15.00265	43.62410	16.65696	0.1501424	0.23531637	2.5983717	20	4 23.5	19.4
124968 2001 TS_{105}	15.6	X	181.37145	331.03368	43.71847	7.11104	0.1328572	0.28740834	2.2740664	20	3 23.3	18.9
124969 2001 TW_{105}	15.7	X	100.45643	353.01771	39.11381	5.84700	0.2125161	0.27771598	2.3266737	20	1 22.9	18.3
124970 2001 TG_{108}	16.1	X	273.70620	256.07585	238.68023	5.66831	0.0612734	0.26874119	2.3781901	20	—	—
124971 2001 TJ_{109}	15.5	X	323.49841	87.88102	331.90162	6.26172	0.0922545	0.26302024	2.4125516	20	12 7.6	18.1
124972 2001 TO_{110}	15.8	X	146.02932	204.31612	334.30996	4.88741	0.0826752	0.30654011	2.1784345	20	9 21.0	18.6
124973 2001 TQ_{110}	16.0	X	20.12847	17.67468	289.10846	3.63445	0.1349490	0.31023816	2.1610886	20	10 16.4	18.2
124974 2001 TR_{111}	16.2	X	166.38528	200.60783	288.25492	3.14670	0.1012400	0.30117970	2.2042064	20	8 6.1	19.3
124975 2001 TJ_{113}	15.5	X	84.64233	17.82742	274.72723	6.01265	0.0128114	0.21029665	2.8005789	20	11 15.2	19.5
124976 2001 TQ_{113}	15.6	X	173.28435	122.63391	345.70524	4.60611	0.2003666	0.24405954	2.5359393	20	7 14.0	19.8
124977 2001 TS_{113}	16.2	X	43.01905	137.05571	245.52513	4.19713	0.1981417	0.26959118	2.3731886	20	—	—
124978 2001 TE_{114}	16.0	X	87.27354	146.21477	266.38780	6.08441	0.0979284	0.27890526	2.3200548	20	1 9.9	18.5
124979 2001 TD_{120}	15.8	X	326.91607	50.23425	286.92965	8.74121	0.2499571	0.25530230	2.4609317	20	7 28.5	17.5
124980 2001 TV_{122}	16.2	X	180.18002	65.54326	311.57568	3.70168	0.1307791	0.28640958	2.2793500	20	3 20.5	19.7
124981 2001 TX_{126}	17.3	X	104.04627	319.34910	211.85094	5.57839	0.0874385	0.29890362	2.2153819	20	7 19.8	20.3
124982 2001 TC_{130}	16.4	X	279.45077	126.84861	20.33617	1.59354	0.1281908	0.26830356	2.3807754	20	—	—
124983 2001 TX_{130}	16.0	X	237.18890	168.51984	96.53696	6.99241	0.1342324	0.28693254	2.2765796	20	—	—
124984 2001 TH_{131}	16.1	X	19.84220	338.50785	89.55220	7.58931	0.0785267	0.27293791	2.3537489	20	—	—
124985 2001 TK_{131}	12.2	X	30.61847	55.15505	157.37392	12.14692	0.0513324	0.08323139	5.1953078	20	5 29.3	19.0
124986 2001 TP_{132}	16.4	X	35.05888	140.65582	304.57086	9.21056	0.1607201	0.27732489	2.3288605	20	—	—
124987 2001 TO_{133}	15.6	X	153.98423	248.96295	113.83011	10.30797	0.1552177	0.23145388	2.6271996	20	2 15.4	19.6
124988 2001 TF_{138}	16.6	X	184.59479	247.15922	42.06539	6.10112	0.1828962	0.28445365	2.2897868	20	—	—
124989 2001 TB_{139}	16.5	X	358.06042	309.41118	102.69205	5.46843	0.1009084	0.27064306	2.3670356	20	—	—
124990 2001 TT_{142}	16.6	X	100.52361	37.54039	85.02059	5.07025	0.1070639	0.29309192	2.2445717	20	5 10.5	19.4
124991 2001 TY_{143}	16.7	X	322.68727	172.44593	120.34553	4.71695	0.1231581	0.30150254	2.2026326	20	5 25.8	18.6
124992 2001 TP_{144}	16.5	X	294.91170	147.78561	55.47515	7.51299	0.0801980	0.28204103	2.3028264	20	—	—
124993 2001 TR_{144}	15.9	X	173.21705	228.71588	89.50125	6.28388	0.1605672	0.28329453	2.2960284	20	1 2.6	19.1
124994 2001 TL_{145}	15.8	X	259.86741	74.07730	56.86774	8.64249	0.1886078	0.26333355	2.4106375	20	11 18.0	18.1
124995 2001 TS_{145}	16.3	X	36.72801	29.74662	58.78415	7.37336	0.0917863	0.27865177	2.3214616	20	—	—
124996 2001 TJ_{146}	16.6	X	261.74006	47.57783	61.25257	6.83986	0.2417723	0.25946774	2.4345225	20	10 13.5	19.4
124997 2001 TR_{146}	16.2	X	23.77829	324.00442	82.98553	5.80859	0.1740620	0.27081037	2.3660605	20	—	—
124998 2001 TS_{147}	16.2	X	319.60047	321.95201	114.47522	4.48641	0.0895416	0.26538080	2.3982239	20	12 26.1	18.8
124999 2001 TS_{150}	16.4	X	89.24619	217.30321	67.47812	5.64220	0.2197231	0.26633335	2.3925022	20	12 10.3	20.2
125000 2001 TA_{153}	16.6	X	114.68708	348.57725	87.66179	4.05790	0.1210748	0.28696890	2.2763874	20	3 28.3	19.4
125001 2001 TG_{154}	15.7	X	315.63095	290.21627	105.78010	6.76802	0.1004813	0.26120204	2.4237343	20	10 24.2	18.2
125002 2001 TJ_{154}	15.5	X	343.25739	261.16998	85.93234	6.72894	0.1367437	0.25914485	2.4365444	20	10 4.1	17.9
125003 2001 TV_{154}	15.6	X	107.34210	106.15519	129.62084	7.71903	0.0915662	0.25947393	2.4344838	20	10 21.9	19.2
125004 2001 TQ_{155}	17.0	X	303.64473	3.51453	196.42234	4.84342	0.0864913	0.28400272	2.2922099	20	—	—
125005 2001 TO_{157}	16.7	X	300.38502	57.39878	149.85697	2.41859	0.0853180	0.27975556	2.3153513	20	—	—
125006 2001 TK_{159}	16.4	X	227.01658	284.18548	203.73395	2.16293	0.1690652	0.25744384	2.4472652	20	10 1.6	19.7
125007 2001 TN_{159}	16.4	X	336.59937	276.43417	192.05373	4.77178	0.1443643	0.27098618	2.3650371	20	—	—
125008 2001 TJ_{162}	16.6	X	351.81126	216.60935	297.60382	1.74346	0.0788133	0.28263819	2.2995816	20	—	—
125009 2001 TX_{164}	16.8	X	16.31540	176.71580	111.54260	6.62446	0.1657175	0.30932367	2.1653459	20	9 21.9	18.7
125010 2001 TD_{166}	15.9	X	330.40449	144.25098	281.96154	4.87950	0.1030652	0.26309153	2.4121157	20	12 30.2	18.2
125011 2001 TE_{168}	16.2	X	132.11492	116.81062	307.32843	5.99866	0.0609778	0.28695341	2.2764693	20	3 20.1	19.2
125012 2001 TQ_{168}	15.7	X	18.60482	90.60288	268.38772	9.49934	0.2400609	0.26341981	2.4101113	20	—	—
125013 2001 TL_{170}	16.3	X	292.63482	22.14103	263.91494	6.82749	0.1471997	0.29620876	2.2287984	20	3 17.5	19.2
125014 2001 TA_{173}	15.9	X	232.88191	134.85631	192.51607	3.56763	0.1459858	0.23780749	2.5801940	20	3 13.3	19.8
125015 2001 TF_{174}	16.6	X	189.41328	5.44904	259.80891	5.66962	0.1002463	0.27720247	2.3295462	20	—	—
125016 2001 TJ_{174}	16.6	X	270.71446	271.02847	201.70913	6.57197	0.0434017	0.26316230	2.4116833	20	12 1.1	19.5
125017 2001 TM_{174}	16.7	X	116.73718	336.18135	177.25829	3.77997	0.1045754	0.29666327	2.2265213	20	7 13.2	19.6
125018 2001 TY_{177}	17.2	X	73.06641	212.25875	298.04889	2.58051	0.0853252	0.29286882	2.2457115	20	5 4.4	19.6
125019 2001 TW_{179}	16.6	X	32.42244	126.46491	340.34443	2.47418	0.1073214	0.27941156	2.3172513	20	—	—
125020 2001 TC_{181}	16.5	X	64.71868	96.79229	14.03498	7.47838	0.0388790	0.28570751	2.2830826	20	2 21.6	19.1
125021 2001 TH_{183}	16.7	X	298.57914	350.37076	0.42565	5.96674	0.1210765	0.30334718	2.1936941	20	7 15.0	18.8
125022 2001 TL_{184}	16.2	X	278.46302	282.96072	235.40202	3.73820	0.1015602	0.27139506	2.3626610	20	—	—
125023 2001 TB_{188}	15.9	X	35.36764	351.71689	302.93974	3.16188	0.1118402	0.25625384	2.4548359	20	10 7.5	19.0
125024 2001 TJ_{188}	16.4	X	354.48771	140.42019	329.54278	2.38832	0.1146801	0.27262550	2.3555468	20	—	—
125025 2001 TM_{188}	15.7	X	41.04449	186.30191	7.04975	4.59511	0.1164337	0.29227647	2.2487447	20	5 20.5	17.9
125026 2001 TZ_{188}	16.1	X	47.83853	324.92108	236.87703	7.81538	0.0693333	0.29494263	2.2351723	20	6 9.7	18.5
125027 2001 TL_{189}	15.7	X	135.74686	177.69276	330.26780	5.78396	0.0623370	0.24579471	2.5239904	20	7 23.9	19.2
125028 2001 TM_{189}	15.4	X	62.43131	6.82668	300.02431	5.21509	0.1351294	0.26196981	2.4189964	20	12 3.1	18.8
125029 2001 TF_{191}	15.7	X	26.27328	262.52622	320.93566	2.64877	0.1047962	0.29485477	2.2356164	20	6 9.7	17.8
125030 2001 TT_{191}	16.4	X	88.71689	70.12738	8.15909	3.34986	0.1315024	0.28194628	2.3033422	20	2 24.1	18.7
125031 2001 TV_{191}	15.4	X	302.69372	315.13699	289.30433	6.21207	0.1378228	0.28616131	2.2806682	20	2 7.5	18.3
125032 2001 TE_{192}	16.2	X	234.48814	51.80598	323.89638	5.11931	0.1552465	0.29541825	2.2327726	20	5 11.9	19.4
125033 2001 TP_{192}	15.7	X	327.77101	314.10458	268.53917	4.63913	0.1106595	0.28622896	2.2803088	20	2 16.6	18.3
125034 2001 TE_{193}	15.3	X	186.77469	90.03693	320.18800	7.61135	0.0958095	0.28914009	2.2649772	20	5 8.7	18.7
125035 2001 TH_{194}	15.9	X	336.94805	352.73895	311.39312	5.07829	0.2197274	0.30277879	2.1964387	20	7 8.2	16.9
125036 2001 TL_{194}	15.7	X	182.91531	352.74751	357.03768	5.60901	0.1437545	0.23153640	2.6265754	20	2 25.6	19.8
125037 2001 TL_{198}	16.0	X	100.05176	237.95126	78.49160	6.16051	0.1241615	0.27314627	2.3525518	20	—	—
125038 2001 TW_{199}	15.7	X	23.66147	306.33695	99.29846	7.13081	0.1086333	0.27186574	2.3599333	20	—	—
125039 2001 TX_{200}	15.9	X	276.72412	332.05584	60.75236	11.97026	0.1186468	0.25405794	2.4689608	20	8 10.6	19.1
125040 2001 TG_{201}	15.9	X	311.53729	356.35358	101.15195	8.30880	0.1800832	0.26659841	2.3909161	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125041 2001 TD_{203}	16.5	X	166.10803	274.68406	108.43005	6.66918	0.1479651	0.29032094	2.2588313	20	3 19.6	19.9
125042 2001 TU_{204}	15.9	X	336.97365	315.80133	81.39989	13.78472	0.2276171	0.26284970	2.4135950	20	12 14.3	17.7
125043 2001 TE_{206}	16.7	X	55.76279	173.00490	347.99673	2.36677	0.1789673	0.29292825	2.2454077	20	5 7.4	18.7
125044 2001 TO_{208}	16.6	X	283.92825	62.23906	0.62688	1.86144	0.1656229	0.25707878	2.4495815	20	9 23.6	19.1
125045 2001 TK_{211}	12.2	X	318.84302	265.20265	343.42313	23.57362	0.0136106	0.08301914	5.2041593	20	4 2.5	19.2
125046 2001 TO_{212}	16.4	X	32.85755	173.57021	284.32836	6.55591	0.0617296	0.28057520	2.3108399	20	—	—
125047 2001 TB_{214}	16.8	X	169.12194	245.22457	169.33916	4.56092	0.1564466	0.29093055	2.2556748	20	5 1.4	20.1
125048 2001 TW_{215}	12.5	X	225.21282	12.71976	353.63596	17.04766	0.0736211	0.08135565	5.2748596	20	4 27.8	19.9
125049 2001 TZ_{217}	16.8	X	201.83054	156.39465	178.53338	2.81183	0.1060810	0.23572874	2.5953406	20	2 22.9	20.6
125050 2001 TN_{218}	16.9	X	233.51370	233.19995	128.69669	5.15743	0.1065824	0.29519380	2.2339043	20	4 30.5	20.0
125051 2001 TK_{219}	15.7	X	185.23112	122.33429	75.75144	5.72667	0.1364163	0.26381309	2.4077154	20	11 20.9	19.1
125052 2001 TG_{220}	16.5	X	325.34788	284.08989	264.39598	4.98087	0.1029696	0.28358751	2.2944468	20	—	—
125053 2001 TG_{221}	16.7	X	249.90883	320.98675	329.75947	5.30347	0.2042679	0.29084307	2.2561271	20	2 5.8	20.2
125054 2001 TN_{226}	16.4	X	206.81711	170.48455	48.77289	3.41710	0.1236897	0.27136698	2.3628240	20	—	—
125055 2001 TF_{227}	16.1	X	11.79114	7.71857	39.41501	13.14525	0.2235986	0.27079322	2.3661604	20	—	—
125056 2001 TF_{228}	16.3	X	48.20036	22.59713	246.59482	8.93349	0.1861468	0.25728411	2.4482780	20	9 30.4	19.5
125057 2001 TP_{229}	16.7	X	286.60934	279.93374	85.95267	6.06491	0.2356520	0.30604342	2.1807909	20	6 24.3	18.8
125058 2001 TF_{231}	15.9	X	66.60224	198.23859	133.61976	8.54461	0.0639869	0.26868633	2.3785138	20	—	—
125059 2001 TB_{233}	12.7	X	201.15958	271.80710	113.99545	9.99130	0.0548741	0.08312238	5.1998491	20	5 6.5	19.9
125060 2001 TT_{233}	16.1	X	211.13580	316.10267	246.40422	3.06430	0.0942659	0.26675891	2.3899570	20	12 31.5	19.1
125061 2001 TU_{233}	16.8	X	93.03136	164.49208	5.30786	2.53335	0.0959702	0.29664086	2.2266335	20	7 5.9	19.5
125062 2001 TG_{234}	12.6	X	296.26381	337.67994	302.12481	15.74526	0.0855209	0.08391948	5.1668699	20	4 4.4	19.6
125063 2001 TZ_{234}	16.2	X	26.79898	217.97023	64.32002	12.73582	0.1716337	0.25594484	2.4568113	20	9 26.3	19.2
125064 2001 TK_{236}	15.5	X	130.24391	208.60238	132.58910	10.27173	0.1237755	0.22432326	2.6825830	20	—	—
125065 2001 TE_{237}	16.2	X	95.44756	251.46297	56.63313	6.99504	0.1291390	0.27097938	2.3650767	20	—	—
125066 2001 TF_{237}	16.3	X	31.98731	0.52709	103.99953	5.22573	0.0888050	0.28116633	2.3075999	20	—	—
125067 2001 TC_{238}	15.8	X	348.10977	343.19959	146.21990	7.41815	0.0453566	0.27625601	2.3348638	20	—	—
125068 2001 TR_{240}	16.0	X	191.89768	211.70210	359.58744	6.07748	0.0436939	0.26489393	2.4011615	20	12 25.8	19.3
125069 2001 TA_{241}	15.7	X	331.81783	44.42489	21.61894	6.65690	0.1294449	0.25942362	2.4347986	20	—	—
125070 2001 TR_{241}	16.0	X	237.03821	256.81014	270.20103	1.21703	0.0257414	0.21312213	2.7757714	20	12 15.2	19.8
125071 Lugosi	16.3	X	16.66168	44.04383	72.04592	4.82711	0.0695246	0.28146743	2.3059539	20	—	—
125072 2001 UG	15.8	X	164.22073	62.94209	80.39607	7.05083	0.3497480	0.30157296	2.2022897	20	8 23.7	20.0
125073 2001 UZ	16.8	X	85.03106	225.50779	81.39064	3.00895	0.1797413	0.32064905	2.1140540	20	—	—
125074 2001 UF_{3}	16.6	X	344.06656	212.30732	138.68713	3.64374	0.1914461	0.25854028	2.4403413	20	10 13.8	18.5
125075 2001 UU_{5}	16.1	X	19.76187	211.42084	190.96485	5.38678	0.2255038	0.26665309	2.3905893	20	—	—
125076 Michelmayor	16.0	X	40.45235	226.28422	223.08754	8.13698	0.1474617	0.27610740	2.3357015	20	—	—
125077 2001 UE_{7}	16.4	X	84.49998	209.33292	99.72831	4.98259	0.1813942	0.26848861	2.3796813	20	—	—
125078 2001 UK_{7}	16.5	X	117.05368	128.04315	308.99396	7.66566	0.0883613	0.28763176	2.2728886	20	3 21.0	19.5
125079 2001 UY_{8}	16.8	X	69.69181	105.18749	27.93327	8.74900	0.1385764	0.28816901	2.2700628	20	4 13.7	18.9
125080 2001 UA_{9}	15.4	X	272.34105	174.61367	338.14261	4.42924	0.0543306	0.21604665	2.7506649	20	—	—
125081 2001 UE_{9}	15.8	X	266.93335	62.81068	93.03522	7.14868	0.0687844	0.26844225	2.3799553	20	—	—
125082 2001 UZ_{10}	15.7	X	159.69840	231.55310	219.60806	9.80564	0.1153631	0.23895202	2.5719483	20	6 6.9	19.7
125083 2001 UM_{12}	16.9	X	282.22973	85.58789	329.97972	1.89066	0.1887216	0.25546848	2.4598644	20	9 5.1	19.5
125084 2001 US_{12}	16.8	X	43.40918	250.10396	194.95563	5.00384	0.1997944	0.27518367	2.3409256	20	—	—
125085 2001 UG_{13}	16.1	X	99.70346	347.02974	62.54948	4.03307	0.2975864	0.22702153	2.6612848	20	3 5.5	19.8
125086 2001 UJ_{15}	15.3	X	264.00140	262.15987	74.09052	16.48174	0.3145951	0.24338392	2.5406303	20	4 15.9	19.7
125087 2001 UD_{16}	15.9	X	82.45226	272.03246	77.28108	4.78637	0.1593422	0.27031346	2.3689593	20	—	—
125088 2001 UR_{20}	16.3	X	344.95409	19.68183	94.37021	5.54104	0.1050069	0.27222253	2.3578708	20	—	—
125089 2001 UB_{24}	16.5	X	139.89206	98.08806	286.02887	6.15397	0.1500778	0.28485160	2.2876536	20	2 17.2	19.7
125090 2001 UO_{24}	15.4	X	40.78241	24.57217	340.25807	8.74807	0.0101690	0.26679320	2.3897522	20	—	—
125091 2001 UX_{24}	15.6	X	107.27481	88.02956	298.81864	6.58086	0.1247524	0.27993600	2.3143563	20	1 9.4	18.2
125092 2001 UF_{25}	16.1	X	350.83537	121.80775	299.23481	5.83256	0.0979969	0.26770693	2.3843114	20	—	—
125093 2001 UB_{26}	15.9	X	108.13624	60.04882	333.45835	6.48792	0.1678740	0.28116433	2.3076108	20	1 27.6	18.5
125094 2001 UF_{26}	16.3	X	295.43239	75.29160	274.80046	3.41771	0.1722788	0.30369281	2.1920294	20	6 26.8	18.3
125095 2001 UF_{30}	16.1	X	36.63277	213.50633	121.19538	6.08470	0.1159375	0.26427558	2.4049056	20	12 7.5	19.1
125096 2001 UQ_{30}	16.0	X	207.48364	334.76013	91.64109	7.20163	0.1414065	0.24663615	2.5182464	20	6 23.2	19.7
125097 2001 UW_{30}	16.5	X	155.30749	234.77978	141.99058	7.71187	0.1718185	0.28672898	2.2776570	20	2 29.3	19.9
125098 2001 UT_{32}	16.4	X	151.73982	236.92299	130.34976	7.05564	0.1179668	0.28519269	2.2858293	20	2 7.4	19.5
125099 2001 UM_{33}	16.4	X	114.30208	276.51405	107.67859	6.09949	0.1195925	0.28055792	2.3109348	20	1 14.7	18.9
125100 2001 UA_{34}	15.9	X	164.82414	282.67400	95.56503	8.25834	0.1130274	0.28728631	2.2747103	20	3 10.5	19.2
125101 2001 UM_{34}	16.6	X	156.27716	224.92277	146.75139	5.95507	0.1412707	0.28519612	2.2858109	20	2 20.4	19.9
125102 2001 UH_{35}	15.4	X	331.46336	11.12294	169.32423	11.13216	0.0776087	0.28040418	2.3117794	20	1 1.9	18.4
125103 2001 UU_{35}	15.8	X	250.27617	292.71612	69.72122	15.15130	0.2140076	0.24516784	2.5282910	20	5 10.8	19.8
125104 2001 UR_{37}	16.4	X	293.53418	192.49487	275.55212	5.46509	0.0932671	0.26704022	2.3882783	20	12 27.1	18.5
125105 2001 UZ_{37}	15.6	X	263.82298	0.90868	205.59537	2.71952	0.1053567	0.22485510	2.6783514	20	—	—
125106 2001 UR_{39}	12.9	X	245.20537	239.76744	88.84642	4.29904	0.1061056	0.08200466	5.2469913	20	4 11.2	20.1
125107 2001 UH_{40}	16.5	X	83.42288	241.66278	81.16582	2.40751	0.1998151	0.27015249	2.3699003	20	—	—
125108 2001 UL_{41}	16.3	X	312.32529	31.77894	89.39783	2.33267	0.1333721	0.26874367	2.3781754	20	—	—
125109 2001 UF_{42}	16.3	X	53.76719	276.55042	34.83838	3.48528	0.1832596	0.26374207	2.4081476	20	12 5.6	19.8
125110 2001 UP_{43}	16.5	X	104.16180	244.82454	207.94541	6.29082	0.0505067	0.28809848	2.2704333	20	3 21.9	19.3
125111 2001 UD_{44}	16.1	X	31.54902	333.71398	56.44008	6.45704	0.2152440	0.26924342	2.3752317	20	—	—
125112 2001 UU_{44}	16.8	X	241.82764	210.89205	98.92274	3.00607	0.1635516	0.29079743	2.2563632	20	2 25.3	20.1
125113 2001 UF_{45}	15.8	X	191.56692	33.12395	53.68186	4.54540	0.0030184	0.24737913	2.5132017	20	7 10.9	19.0
125114 2001 UN_{46}	16.1	X	321.54776	53.58184	57.20119	7.24395	0.1014536	0.26839867	2.3802129	20	—	—
125115 2001 UM_{49}	15.4	X	230.01910	91.25533	141.48520	6.79831	0.1148037	0.27313235	2.3526318	20	—	—
125116 2001 UO_{49}	16.3	X	71.78556	344.11265	86.29819	8.39672	0.0705807	0.27871048	2.3211356	20	1 7.9	18.8
125117 2001 UN_{50}	15.5	X	92.73448	268.81322	191.04913	13.82971	0.0788807	0.23209691	2.6223449	20	3 26.5	18.9
125118 2001 UR_{50}	16.6	X	100.61938	160.26623	186.14880	4.31254	0.2527738	0.27402111	2.3475420	20	—	—
125119 2001 UV_{50}	16.8	X	148.61481	238.00350	138.84001	5.40100	0.1752583	0.28361352	2.2943065	20	2 22.8	19.9
125120 2001 UY_{50}	15.7	X	98.19830	237.17735	97.79154	10.93443	0.1819005	0.27131564	2.3631221	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125121 2001 UG_{51}	15.0	X	195.24980	107.14383	81.40843	14.41486	0.1841853	0.25816036	2.4427349	20	11 16.4	18.9
125122 2001 UJ_{51}	15.8	X	29.30156	322.08498	71.52310	14.77211	0.1526135	0.26752178	2.3854114	20	—	—
125123 2001 UW_{51}	15.8	X	191.33358	170.22460	42.20513	13.95426	0.1466410	0.26577121	2.3958747	20	12 12.3	19.4
125124 2001 US_{53}	17.2	X	320.44738	233.91473	172.64545	2.50573	0.2201872	0.26000288	2.4311809	20	11 16.5	18.9
125125 2001 UV_{53}	16.0	X	283.40248	194.44416	55.27359	8.96866	0.0930142	0.28539154	2.2847673	20	2 1.5	19.1
125126 2001 UB_{54}	15.6	X	352.15379	260.70027	137.41803	6.85742	0.2886217	0.26223953	2.4173374	20	—	—
125127 2001 UH_{55}	17.1	X	314.05893	121.59726	338.80238	0.61516	0.1589422	0.26742003	2.3860164	20	—	—
125128 2001 UY_{55}	16.4	X	86.14050	216.67804	228.62101	5.72780	0.1039552	0.28535702	2.2849516	20	2 21.1	18.9
125129 2001 UM_{56}	16.8	X	151.44385	47.36210	221.61125	1.64946	0.1937846	0.27350653	2.3504855	20	—	—
125130 2001 UO_{56}	14.0	X	179.24287	91.02354	206.83366	6.50108	0.1828107	0.12270753	4.0107159	20	1 5.0	20.5
125131 2001 UU_{57}	16.8	X	143.03485	151.83036	18.58244	4.34811	0.0753185	0.30636888	2.1792461	20	9 8.7	19.5
125132 2001 UF_{58}	15.6	X	262.42441	279.93492	221.67132	6.22078	0.0623561	0.26659015	2.3909655	20	12 25.9	18.5
125133 2001 UB_{60}	16.3	X	43.99993	101.25469	36.77527	6.40140	0.1006230	0.28506635	2.2865046	20	3 3.9	18.5
125134 2001 UP_{60}	16.3	X	236.08149	285.37896	210.08610	5.82925	0.0623249	0.26290529	2.4132547	20	11 9.9	19.2
125135 2001 UB_{61}	16.3	X	258.46955	269.22863	250.36135	1.36032	0.1409439	0.26817742	2.3815219	20	—	—
125136 2001 UY_{61}	15.4	X	337.47395	163.86118	23.81457	13.57485	0.2054965	0.23058339	2.6338076	20	1 15.1	18.8
125137 2001 UJ_{62}	17.0	X	52.76482	204.10366	242.05468	1.73085	0.1716433	0.27845539	2.3225530	20	1 3.6	18.5
125138 2001 UC_{63}	16.0	X	268.48705	216.75947	270.73553	1.07775	0.1757852	0.26183591	2.4198210	20	11 29.4	18.2
125139 2001 UD_{63}	15.8	X	238.97722	214.05839	233.53202	2.98220	0.0590182	0.25359074	2.4719923	20	9 6.1	19.1
125140 2001 UG_{63}	16.4	X	347.83535	204.51559	219.54754	1.94425	0.1673991	0.26594558	2.3948273	20	—	—
125141 2001 UW_{63}	17.0	X	100.54609	314.70197	15.70131	1.08604	0.2351680	0.27319149	2.3522922	20	—	—
125142 2001 UF_{64}	16.0	X	40.34456	198.78404	266.31520	6.44322	0.0623107	0.28079965	2.3096083	20	1 4.9	18.3
125143 2001 UG_{66}	15.4	X	321.35585	30.02357	36.30157	6.55078	0.0614494	0.26037900	2.4288391	20	12 11.1	18.1
125144 2001 UT_{66}	15.6	X	335.20450	355.22978	334.89332	5.82923	0.1302678	0.25221943	2.4809443	20	8 16.4	17.9
125145 2001 UE_{76}	16.1	X	3.45549	323.91509	89.39238	4.10305	0.1889423	0.26636266	2.3923267	20	—	—
125146 2001 UU_{79}	15.9	X	145.98613	77.03432	57.88339	3.90501	0.1269325	0.24536958	2.5269049	20	7 21.4	19.7
125147 2001 UK_{81}	16.5	X	32.26772	93.87333	75.76988	3.23179	0.0386733	0.28843689	2.2686570	20	3 25.7	18.9
125148 2001 UR_{81}	16.0	X	244.96035	171.35255	42.57150	6.94675	0.0773730	0.27332609	2.3515199	20	—	—
125149 2001 UU_{81}	16.7	X	342.70372	204.86504	103.40769	1.75858	0.1313005	0.30404211	2.1903502	20	8 3.9	18.1
125150 2001 UZ_{81}	16.5	X	61.27819	98.64702	49.12018	6.45415	0.1037392	0.28798709	2.2710187	20	4 17.0	18.7
125151 2001 UB_{82}	17.0	X	273.58972	265.55149	159.94262	1.41851	0.1586593	0.25486264	2.4637611	20	9 10.6	19.6
125152 2001 UO_{83}	16.8	X	90.07961	10.17955	74.67557	4.84905	0.1398285	0.28298599	2.2976970	20	3 9.7	19.3
125153 2001 UZ_{83}	15.9	X	90.53410	151.30049	221.61289	2.45773	0.1188680	0.27356396	2.3501566	20	—	—
125154 2001 UK_{84}	15.5	X	73.15004	316.11137	347.55969	5.69359	0.0739867	0.26304320	2.4124112	20	12 4.0	18.9
125155 2001 UH_{87}	16.7	X	296.32557	216.58719	37.78696	1.57316	0.1081008	0.28794359	2.2712474	20	2 19.2	19.5
125156 2001 UV_{88}	16.4	X	111.12393	359.62025	154.20445	4.86550	0.0802568	0.29963487	2.2117760	20	7 4.2	19.2
125157 2001 UP_{90}	16.8	X	167.62320	95.73254	127.89563	2.02107	0.1361368	0.26395855	2.4068308	20	12 4.8	20.5
125158 2001 UY_{91}	16.3	X	51.72969	67.93646	106.50835	6.08246	0.1537090	0.29039936	2.2584247	20	5 19.9	18.5
125159 2001 UV_{93}	12.1	X	303.63106	190.90972	104.64429	15.33544	0.0668225	0.08229398	5.2346863	20	5 15.9	19.0
125160 2001 UZ_{93}	16.0	X	18.30407	251.67281	83.50706	9.83213	0.2389536	0.26161872	2.4211601	20	12 1.8	18.7
125161 2001 UC_{95}	16.5	X	253.61966	141.37710	329.61234	1.97422	0.1607549	0.25764678	2.4459800	20	10 13.8	19.5
125162 2001 UD_{95}	17.1	X	333.18614	353.91535	356.93162	3.95780	0.1711841	0.30889631	2.1673426	20	9 28.3	18.1
125163 2001 UG_{95}	16.5	X	6.85511	128.48231	13.25700	7.34652	0.0656013	0.27976161	2.3153179	20	1 4.8	19.1
125164 2001 UW_{95}	16.9	X	61.73343	274.79013	148.51038	6.16179	0.1067040	0.27818088	2.3240807	20	—	—
125165 2001 UU_{96}	17.0	X	45.09887	303.28951	174.83387	1.99070	0.1511891	0.28168739	2.3047533	20	2 4.0	18.7
125166 2001 UL_{98}	16.9	X	31.55318	247.99384	110.02310	3.10371	0.0876744	0.31784054	2.1264892	20	—	—
125167 2001 UP_{102}	16.3	X	281.72480	8.89166	126.90182	2.13716	0.1287435	0.26734482	2.3864639	20	—	—
125168 2001 UY_{104}	16.4	X	35.22072	351.41582	149.81422	1.91816	0.0590570	0.23222067	2.6214131	20	2 25.4	19.5
125169 2001 UQ_{105}	16.1	X	208.82198	192.47199	41.93673	5.62106	0.1783511	0.27305009	2.3531042	20	—	—
125170 2001 UV_{105}	16.4	X	16.01868	141.46957	60.69553	6.56852	0.0946401	0.29162408	2.2520972	20	4 17.7	18.4
125171 2001 UZ_{106}	16.2	X	23.03716	138.27985	47.95926	5.28742	0.0833952	0.28912819	2.2650394	20	4 5.4	18.3
125172 2001 UW_{107}	16.7	X	12.45873	94.53793	76.08982	2.75575	0.0910422	0.28574650	2.2828748	20	2 22.1	18.8
125173 2001 UA_{108}	16.6	X	3.79818	164.41157	63.94160	4.61144	0.0839100	0.29274547	2.2463422	20	5 4.5	18.5
125174 2001 UF_{109}	16.1	X	126.14534	16.20297	76.97297	7.48765	0.0640432	0.28907390	2.2653230	20	4 28.2	19.0
125175 2001 UL_{109}	15.2	X	175.46060	250.16036	108.08325	2.18079	0.0804722	0.23033334	2.6357134	20	2 25.5	19.0
125176 2001 UP_{109}	16.4	X	144.28248	249.63754	84.95254	3.92497	0.2338196	0.27819750	2.3239881	20	1 2.4	19.5
125177 2001 UE_{110}	16.8	X	52.71292	134.99448	236.54872	0.46322	0.0410570	0.27143769	2.3624137	20	—	—
125178 2001 UG_{113}	16.6	X	189.10645	153.88432	227.76535	1.06680	0.0448905	0.28855198	2.2680537	20	4 4.4	19.4
125179 2001 UM_{114}	16.0	X	191.21587	27.94844	189.87339	4.21292	0.0937778	0.26637131	2.3922749	20	12 26.9	19.4
125180 2001 UY_{115}	16.2	X	321.40892	36.30497	80.19993	2.64293	0.2167557	0.21374145	2.7704069	20	—	—
125181 2001 UW_{116}	16.0	X	283.24738	207.83235	59.68294	9.09250	0.0573549	0.28725992	2.2748496	20	3 3.2	19.0
125182 2001 UX_{116}	17.1	X	75.98153	283.48551	171.79737	2.56118	0.1315794	0.28222812	2.3018085	20	2 26.5	19.4
125183 2001 UA_{117}	16.3	X	92.46806	137.13994	82.57900	3.98081	0.1228904	0.30409768	2.1900834	20	9 21.5	19.2
125184 2001 US_{117}	15.3	X	325.92976	230.04235	43.95881	6.05862	0.1702035	0.24277688	2.5448635	20	4 26.6	17.9
125185 2001 UE_{118}	16.5	X	79.75478	359.45174	53.01242	6.58137	0.0793886	0.27771095	2.3267018	20	—	—
125186 2001 UH_{118}	16.2	X	305.46398	358.99435	139.61723	1.79849	0.1273017	0.26856812	2.3792116	20	—	—
125187 2001 UQ_{119}	16.8	X	42.99422	292.48116	58.34270	1.37081	0.2396535	0.26612874	2.3937284	20	—	—
125188 2001 UF_{120}	17.2	X	342.09897	93.89892	165.89729	2.51239	0.0187114	0.29543624	2.2326820	20	5 18.8	19.7
125189 2001 UH_{121}	16.1	X	99.34159	278.04411	223.05107	5.75798	0.0339013	0.29269392	2.2466060	20	5 23.2	18.6
125190 2001 UP_{121}	16.0	X	37.57764	91.29045	71.45368	6.88646	0.0845141	0.28618011	2.2805683	20	3 29.4	18.3
125191 2001 UU_{121}	16.8	X	142.93831	355.12268	75.34520	3.30627	0.1312764	0.28882680	2.2666148	20	4 23.4	19.8
125192 2001 UR_{122}	16.4	X	119.88730	316.14179	221.79627	6.77997	0.0676100	0.30010446	2.2094682	20	8 15.7	19.4
125193 2001 UB_{123}	15.9	X	38.95890	184.73597	200.12047	0.52071	0.1950763	0.26819792	2.3814005	20	—	—
125194 2001 UF_{123}	15.3	X	141.46900	178.34398	228.73387	10.95552	0.1733781	0.23231801	2.6206808	20	3 24.9	19.5
125195 2001 UA_{127}	16.0	X	250.36977	224.06201	159.01863	6.27011	0.1242642	0.24695912	2.5160504	20	6 15.5	19.6
125196 2001 UC_{127}	15.6	X	271.13000	28.28543	97.99084	5.72064	0.1428471	0.26210681	2.4181534	20	12 7.9	17.9
125197 2001 UG_{127}	16.4	X	82.94952	20.91806	66.01591	11.71926	0.0950085	0.28243992	2.3006576	20	2 27.2	19.2
125198 2001 UV_{135}	15.2	X	39.11034	100.34043	48.96846	11.26867	0.2045939	0.22962548	2.6411273	20	3 31.7	17.8
125199 2001 UG_{136}	15.8	X	273.93328	14.09584	58.54090	6.83667	0.0643077	0.25513642	2.4619982	20	10 9.2	18.7
125200 2001 UY_{138}	16.6	X	161.66854	181.47480	80.28204	1.53912	0.0590334	0.27036775	2.3686422	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125201 2001 UP_{140}	16.4	X	338.76318	69.92644	141.03576	1.81301	0.0380142	0.28792108	2.2713658	20	2 29.8	19.0
125202 2001 US_{140}	17.2	X	90.30140	306.80462	194.04825	4.64174	0.0613655	0.29298838	2.2451005	20	5 14.7	19.7
125203 2001 UY_{140}	16.3	X	20.70887	294.41935	207.08465	4.42758	0.0921793	0.28226047	2.3016326	20	1 22.2	18.5
125204 2001 UE_{144}	15.8	X	33.86104	353.23487	202.29781	8.53643	0.0998176	0.23889639	2.5723477	20	5 12.7	18.6
125205 2001 UW_{145}	16.6	X	28.92548	246.32124	58.61271	2.01087	0.1859946	0.25783619	2.4447820	20	10 26.9	19.5
125206 2001 UQ_{148}	16.3	X	14.21226	0.38107	220.55728	6.21963	0.1077884	0.29290310	2.2455363	20	5 12.9	18.0
125207 2001 UB_{149}	15.7	X	281.08402	173.19028	53.62854	4.31831	0.1084367	0.27977309	2.3152546	20	—	—
125208 2001 UD_{149}	16.8	X	317.68666	294.64680	212.19876	3.11829	0.1820463	0.27040124	2.3684466	20	—	—
125209 2001 UH_{149}	15.7	X	270.96434	101.46106	64.79636	5.57662	0.1749935	0.26653762	2.3912797	20	—	—
125210 2001 UQ_{149}	16.4	X	82.36892	182.24194	132.92078	2.72990	0.2106368	0.26705124	2.3882126	20	—	—
125211 2001 US_{149}	15.7	X	206.56881	351.41618	58.76631	2.54830	0.0406235	0.24256971	2.5463123	20	6 6.7	19.2
125212 2001 UE_{150}	15.8	X	183.63930	185.88230	226.98742	2.60871	0.0071292	0.23944903	2.5683881	20	5 12.8	19.0
125213 2001 UO_{150}	16.5	X	8.64841	7.44142	69.64711	1.81477	0.1587346	0.26940895	2.3742587	20	—	—
125214 2001 UY_{150}	15.6	X	100.65337	81.88724	59.21061	14.30487	0.0857407	0.23848196	2.5753269	20	5 31.9	19.0
125215 2001 UY_{151}	15.6	X	157.24408	291.82700	80.34238	2.87255	0.1067022	0.23027880	2.6361295	20	2 25.8	19.5
125216 2001 UB_{152}	15.9	X	308.37124	240.07235	73.45370	5.07501	0.1782336	0.24576955	2.5241626	20	5 22.3	18.5
125217 2001 UW_{152}	16.4	X	82.63598	189.10764	225.38137	2.40703	0.0886588	0.27752471	2.3277426	20	1 4.5	18.7
125218 2001 US_{153}	16.4	X	33.75508	267.90396	145.21673	2.31143	0.1905081	0.27029407	2.3690726	20	—	—
125219 2001 UZ_{153}	15.9	X	211.17296	227.71271	65.92003	7.40146	0.1126253	0.27975296	2.3153656	20	1 7.7	19.3
125220 2001 UL_{154}	16.0	X	53.21721	31.66492	53.07697	7.05759	0.0553021	0.27666954	2.3325367	20	—	—
125221 2001 UR_{156}	15.7	X	241.64336	64.60990	82.78605	5.66804	0.1416220	0.26000232	2.4311844	20	11 20.9	18.6
125222 2001 UW_{156}	16.1	X	258.40922	142.78365	192.91997	5.09801	0.2410538	0.24324263	2.5416140	20	4 9.6	20.2
125223 2001 UR_{157}	16.6	X	86.98983	295.00681	87.11155	3.16337	0.0598432	0.27429917	2.3459552	20	—	—
125224 2001 UC_{158}	16.1	X	163.23318	63.02105	60.34790	5.23218	0.1180841	0.24466240	2.5317718	20	7 24.2	20.0
125225 2001 UG_{158}	16.2	X	181.64650	215.96476	167.43662	1.57121	0.1515342	0.23600372	2.5933242	20	4 4.6	20.2
125226 2001 UN_{158}	16.5	X	302.82618	313.32595	104.31078	2.48075	0.1732953	0.25758281	2.4463850	20	10 23.9	18.6
125227 2001 UX_{158}	15.9	X	150.71810	83.49920	168.55297	3.50586	0.1318407	0.26428103	2.4048725	20	12 23.4	19.6
125228 2001 UD_{159}	16.3	X	267.04108	228.10744	99.27855	2.96662	0.0413865	0.23953392	2.5677813	20	5 4.5	19.6
125229 2001 UU_{159}	16.2	X	18.12465	340.92724	211.89333	4.95542	0.0921252	0.28727200	2.2747858	20	4 3.9	18.2
125230 2001 UC_{160}	16.1	X	261.07383	174.80002	83.31113	3.37580	0.1246603	0.28143197	2.3061476	20	1 12.7	19.2
125231 2001 UE_{161}	16.2	X	258.37349	91.90444	77.47027	7.47382	0.0588807	0.26615642	2.3935624	20	—	—
125232 2001 UM_{161}	16.3	X	108.41375	83.82525	62.62140	3.93231	0.0291228	0.29393425	2.2402815	20	6 12.1	18.8
125233 2001 UP_{161}	16.4	X	6.16994	51.20487	59.08869	7.99277	0.0578199	0.27322550	2.3520970	20	—	—
125234 2001 UT_{162}	16.1	X	186.94499	12.72644	211.11993	4.40377	0.1188372	0.26511625	2.3998190	20	12 26.5	19.6
125235 2001 UE_{163}	15.9	X	246.24445	75.51599	53.58640	8.39016	0.1258940	0.25794451	2.4440975	20	11 4.6	18.9
125236 2001 UH_{163}	16.8	X	104.35106	54.62335	59.05235	6.44613	0.1103980	0.28815196	2.2701523	20	5 3.3	19.4
125237 2001 UN_{164}	15.9	X	171.63067	109.92821	79.24966	7.25413	0.0887027	0.25815949	2.4427404	20	10 30.7	19.4
125238 2001 UF_{170}	16.6	X	119.39507	148.18408	352.48830	3.33620	0.0859330	0.29649592	2.2273591	20	6 27.0	19.5
125239 2001 UY_{170}	16.0	X	255.75131	332.80371	238.10863	5.01285	0.1494945	0.27501960	2.3418565	20	—	—
125240 2001 UU_{171}	16.5	X	123.96081	254.59916	299.57534	3.66128	0.0651675	0.30414025	2.1898790	20	9 14.7	19.4
125241 2001 UV_{173}	16.5	X	3.28438	68.82852	60.14062	4.22019	0.0752459	0.27725000	2.3292799	20	—	—
125242 2001 UC_{174}	16.3	X	76.53127	203.51763	65.49201	6.52980	0.1070025	0.25800223	2.4437329	20	10 29.6	19.6
125243 2001 UM_{174}	16.2	X	160.77423	150.36757	70.69156	2.66576	0.0697383	0.26160402	2.4212508	20	11 27.8	19.3
125244 2001 UY_{174}	15.8	X	156.27264	228.70091	223.54631	4.87669	0.1288470	0.24060354	2.5601655	20	6 5.4	19.7
125245 2001 UB_{175}	15.3	X	279.05216	228.65978	73.92770	14.21605	0.1173762	0.23871205	2.5736718	20	4 12.1	19.0
125246 2001 UN_{175}	15.6	X	206.83848	76.56477	69.85807	6.76225	0.0571060	0.25786428	2.4446044	20	10 19.4	18.8
125247 2001 UC_{176}	16.3	X	190.16082	206.27050	353.02775	4.99378	0.1616916	0.26487747	2.4012610	20	11 23.4	19.9
125248 2001 UO_{179}	17.3	X	299.71841	54.32113	302.06860	2.15936	0.1776186	0.30482275	2.1866090	20	7 15.1	19.0
125249 2001 UO_{196}	16.8	X	61.81276	192.49581	16.94233	5.11327	0.0640668	0.29810230	2.2193502	20	7 15.1	19.3
125250 2001 UB_{204}	16.4	X	110.85464	179.46151	15.49193	7.77935	0.0496786	0.30428193	2.1891992	20	9 2.6	19.1
125251 2001 UD_{204}	16.9	X	226.15324	307.54818	343.62785	1.60233	0.0869796	0.28432464	2.2904793	20	1 19.5	20.1
125252 2001 UH_{205}	16.6	X	131.89098	321.78603	338.71437	3.18277	0.1295822	0.27199816	2.3591673	20	—	—
125253 2001 UJ_{205}	16.7	X	156.69239	170.58907	329.86805	2.79867	0.0450406	0.30201892	2.2001213	20	8 12.0	19.3
125254 2001 UT_{205}	15.8	X	345.79697	125.42333	10.88464	3.05355	0.0409982	0.22299862	2.6931958	20	—	—
125255 2001 UA_{216}	15.9	X	173.13376	283.21355	280.18817	3.85311	0.0760695	0.26178048	2.4201626	20	11 17.9	19.2
125256 2001 UK_{217}	16.3	X	124.03510	285.84873	200.55469	7.67818	0.0773531	0.24120242	2.5559260	20	6 10.7	19.9
125257 2001 UM_{218}	16.3	X	276.32955	279.98304	245.60027	4.44336	0.1680312	0.26897110	2.3768347	20	—	—
125258 2001 UH_{219}	16.3	X	269.91724	138.49025	11.15903	2.57959	0.1634560	0.26577657	2.3958424	20	—	—
125259 2001 UQ_{219}	16.3	X	147.17626	194.14018	177.27328	5.80131	0.0919192	0.28241910	2.3007707	20	2 3.1	19.3
125260 2001 UF_{220}	17.0	X	90.87601	197.60027	325.97967	1.07000	0.0106455	0.29714416	2.2241185	20	6 8.9	19.6
125261 2001 UG_{220}	16.8	X	349.57821	176.02608	12.36009	4.46126	0.0634221	0.28508574	2.2864009	20	2 12.9	19.2
125262 2001 UV_{220}	16.3	X	229.28393	284.93307	262.95404	4.16905	0.1238370	0.26639539	2.3921307	20	12 31.6	19.1
125263 2001 UW_{221}	16.4	X	229.97606	158.65307	61.73141	3.22728	0.1577735	0.26982333	2.3718272	20	—	—
125264 2001 UX_{221}	16.8	X	190.50630	249.83416	59.93082	3.08693	0.1550193	0.28031728	2.3122572	20	1 9.0	20.3
125265 2001 UT_{222}	15.9	X	337.99574	10.65965	184.41665	1.96204	0.0568145	0.22943881	2.6425596	20	2 12.2	19.1
125266 2001 VG	17.1	X	69.42403	355.54211	81.55611	4.82061	0.1207447	0.28075768	2.3098385	20	1 18.9	19.3
125267 2001 VL_{1}	16.7	X	355.39457	56.94924	357.01284	2.08450	0.2171828	0.26560103	2.3968979	20	—	—
125268 2001 VJ_{2}	16.0	X	187.01343	73.33387	39.52636	4.92568	0.0906398	0.30017755	2.2091095	20	8 11.1	18.9
125269 2001 VP_{3}	16.6	X	97.68025	210.80264	226.47609	4.96453	0.0947459	0.28417496	2.2912836	20	2 26.3	19.3
125270 2001 VT_{3}	16.4	X	358.80070	88.18284	246.47243	5.61087	0.1312340	0.25758977	2.4463409	20	10 7.5	19.0
125271 2001 VR_{5}	17.1	X	7.04410	339.54854	352.44893	2.15329	0.2235496	0.25959060	2.4337544	20	11 4.3	19.5
125272 2001 VC_{6}	17.1	X	4.89511	12.20444	351.15583	0.74004	0.2040342	0.26213312	2.4179916	20	12 13.7	19.6
125273 2001 VA_{8}	16.1	X	133.43760	159.02051	54.98049	6.97000	0.0744772	0.25676639	2.4515679	20	10 20.0	19.5
125274 2001 VE_{10}	15.6	X	165.19797	183.31004	265.96674	13.14048	0.1286907	0.24189815	2.5510228	20	6 10.5	19.4
125275 2001 VW_{11}	14.3	X	264.62845	309.19469	250.93220	30.55942	0.0978775	0.21901625	2.7257446	20	—	—
125276 2001 VV_{12}	15.5	X	297.30798	219.96637	269.30565	13.65321	0.1445377	0.26443487	2.4039397	20	—	—
125277 2001 VL_{13}	16.1	X	156.90550	355.18866	356.22828	5.99564	0.1351611	0.28168217	2.3047818	20	1 27.3	19.3
125278 2001 VS_{13}	16.5	X	167.96914	58.88403	296.02934	5.12694	0.1671457	0.28404280	2.2919943	20	2 11.8	19.8
125279 2001 VE_{14}	15.8	X	88.14629	198.62821	354.97639	6.20812	0.0389256	0.29819885	2.2188711	20	7 27.3	18.4
125280 2001 VH_{14}	16.1	X	122.45453	30.78575	31.36231	13.27318	0.0867073	0.23115058	2.6294973	20	3 21.9	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125281 2001 VZ_{14}	16.0	X	181.16814	104.26919	290.73800	5.29694	0.1039392	0.28964613	2.2623384	20	4 11.9	19.2
125282 2001 VM_{15}	16.1	X	348.09745	140.31374	309.69301	6.29621	0.0855489	0.26749335	2.3855804	20	—	—
125283 2001 VN_{18}	16.6	X	231.93971	109.87739	15.48520	1.35575	0.1297214	0.25634804	2.4542345	20	10 9.7	19.7
125284 2001 VH_{19}	16.5	X	141.11538	79.75530	37.70102	4.01387	0.1164559	0.24156007	2.5534025	20	6 21.5	20.2
125285 2001 VN_{21}	17.1	X	252.90344	97.40144	255.82905	1.54244	0.1085333	0.29576261	2.2310392	20	5 9.2	20.0
125286 2001 VZ_{22}	13.8	X	120.66666	35.21276	42.34423	6.92363	0.2684423	0.12599573	3.9406286	20	4 27.7	20.1
125287 2001 VG_{23}	15.7	X	122.85606	292.04533	243.64002	3.12119	0.0649456	0.30039401	2.2080481	20	8 17.7	18.6
125288 2001 VQ_{23}	15.7	X	101.59613	288.49281	37.53289	5.23381	0.0950506	0.26890479	2.3772254	20	—	—
125289 2001 VH_{24}	15.7	X	182.48763	39.27100	44.12806	5.15591	0.0633964	0.24270245	2.5453838	20	6 21.2	19.3
125290 2001 VL_{24}	16.3	X	355.87547	47.86677	28.21299	1.68115	0.1492790	0.26729983	2.3867316	20	—	—
125291 2001 VR_{24}	16.4	X	158.11527	209.20974	239.63096	3.83902	0.1205663	0.29271608	2.2464926	20	6 2.5	19.4
125292 2001 VU_{24}	16.5	X	335.18373	82.00996	321.08713	1.47310	0.1916385	0.26078745	2.4263024	20	12 13.7	18.5
125293 2001 VV_{25}	15.8	X	219.08392	276.73484	34.43553	1.88717	0.1057613	0.23052251	2.6342712	20	2 12.9	19.7
125294 2001 VA_{26}	16.1	X	279.52432	34.73395	90.84293	3.52058	0.0722153	0.26278934	2.4139645	20	12 28.5	18.5
125295 2001 VJ_{26}	15.9	X	333.55845	15.91210	33.04870	3.67020	0.0797394	0.26066392	2.4270689	20	12 7.9	18.4
125296 2001 VS_{27}	16.4	X	77.48675	279.15296	156.82728	1.26111	0.2014760	0.27887363	2.3202303	20	2 12.7	18.3
125297 2001 VW_{27}	15.9	X	34.66013	341.45765	45.39413	3.37970	0.1782082	0.26736829	2.3863242	20	—	—
125298 2001 VC_{28}	15.7	X	326.80225	160.57468	244.87597	4.52904	0.0907674	0.25898867	2.4375238	20	11 22.2	18.2
125299 2001 VK_{28}	16.6	X	357.88078	29.43264	5.05601	0.70374	0.1824802	0.26278735	2.4139767	20	—	—
125300 2001 VT_{28}	15.5	X	94.05695	80.21080	255.70921	6.74465	0.2394197	0.27074961	2.3664145	20	—	—
125301 2001 VW_{28}	16.5	X	2.01923	50.23217	56.74542	6.02603	0.1085514	0.27142855	2.3624667	20	—	—
125302 2001 VY_{28}	16.1	X	11.94595	87.13213	63.12878	6.39261	0.0881719	0.27890504	2.3200560	20	1 23.9	18.5
125303 2001 VS_{29}	15.9	X	246.58085	93.03706	58.54975	12.72808	0.1513834	0.25957232	2.4338686	20	11 30.3	18.7
125304 2001 VO_{30}	15.1	X	155.86912	243.00204	59.52675	7.75274	0.1224934	0.27235410	2.3571114	20	—	—
125305 2001 VU_{30}	16.2	X	339.92509	96.99491	349.01828	2.16846	0.1058954	0.26542314	2.3979688	20	—	—
125306 2001 VV_{30}	15.7	X	258.44367	0.56033	340.85151	2.31174	0.0808422	0.23960534	2.5672710	20	5 4.7	19.2
125307 2001 VC_{32}	15.8	X	58.54417	12.95665	28.57378	2.05066	0.0883870	0.27142339	2.3624967	20	—	—
125308 2001 VE_{32}	16.2	X	349.59733	136.56072	271.33659	2.36548	0.1383930	0.26240693	2.4163093	20	—	—
125309 2001 VK_{32}	15.6	X	44.27234	323.24074	32.89062	3.18716	0.1850088	0.26479286	2.4017725	20	—	—
125310 2001 VN_{32}	15.6	X	288.91748	120.12330	303.65450	2.15458	0.1710003	0.25519675	2.4616102	20	10 1.7	18.0
125311 2001 VV_{32}	15.9	X	207.56744	251.55826	250.24436	3.98618	0.1156135	0.25263677	2.4782113	20	10 1.7	19.4
125312 2001 VK_{33}	15.8	X	158.58586	101.34419	47.69553	6.26694	0.0990524	0.24626069	2.5208054	20	8 24.0	19.6
125313 2001 VD_{34}	16.3	X	39.70285	2.69834	68.40273	7.31914	0.0856051	0.27222506	2.3578562	20	—	—
125314 2001 VW_{34}	15.9	X	321.96052	191.60039	227.26029	1.93305	0.1795928	0.25951888	2.4342027	20	12 7.5	17.6
125315 2001 VY_{34}	17.3	X	72.67884	133.07093	289.53843	1.76258	0.1621770	0.27625578	2.3348652	20	1 9.0	19.3
125316 2001 VE_{35}	16.1	X	149.06077	67.66055	263.00008	4.09595	0.1505290	0.27583865	2.3372184	20	—	—
125317 2001 VG_{36}	16.5	X	144.19383	87.16436	264.94178	3.42445	0.1662849	0.27841169	2.3227960	20	1 16.1	19.6
125318 2001 VX_{36}	16.2	X	1.35471	11.19333	79.42141	1.18141	0.1327076	0.26863340	2.3788262	20	—	—
125319 2001 VZ_{38}	16.5	X	257.71522	142.44555	46.14181	7.75549	0.0309796	0.26919326	2.3755268	20	—	—
125320 2001 VD_{39}	16.4	X	209.06761	82.56649	43.21243	1.56778	0.0939669	0.25179264	2.4837470	20	9 17.2	19.9
125321 2001 VB_{40}	16.6	X	268.96388	319.15349	42.45340	3.95179	0.0627274	0.29697978	2.2249391	20	6 20.6	19.0
125322 2001 VE_{40}	16.5	X	308.79486	94.80904	342.80959	0.76376	0.1465984	0.25978677	2.4325290	20	12 6.9	18.8
125323 2001 VL_{41}	15.5	X	28.09104	74.35688	85.70636	6.27471	0.1332335	0.28115482	2.3076629	20	3 9.5	17.5
125324 2001 VY_{41}	15.4	X	158.68758	172.63250	251.29644	3.49296	0.0882654	0.23609079	2.5926865	20	4 29.1	19.3
125325 2001 VU_{43}	16.1	X	38.94608	313.93338	81.70563	2.26607	0.1904493	0.26810570	2.3819466	20	—	—
125326 2001 VJ_{44}	16.3	X	326.11264	60.87418	77.84973	2.23488	0.1326714	0.26851522	2.3795241	20	—	—
125327 2001 VQ_{44}	15.4	X	238.58224	203.77257	221.92753	3.68006	0.1503534	0.24692829	2.5162598	20	7 24.3	19.0
125328 2001 VC_{46}	15.1	X	88.15580	237.72209	261.93619	12.48065	0.1158420	0.23253048	2.6190841	20	5 18.2	18.7
125329 2001 VO_{46}	16.2	X	40.35937	37.17794	49.35471	2.90789	0.1711288	0.27222422	2.3578610	20	—	—
125330 2001 VR_{47}	15.8	X	162.37118	133.12280	275.32407	1.11803	0.1167491	0.23397562	2.6082886	20	4 15.1	19.7
125331 2001 VU_{47}	16.2	X	17.27430	94.14603	296.17311	1.72433	0.1975745	0.26437722	2.4042891	20	—	—
125332 2001 VL_{48}	15.1	X	258.30632	284.38438	70.96784	15.50352	0.1458291	0.24121619	2.5558287	20	5 17.4	18.8
125333 2001 VN_{48}	15.2	X	163.96518	241.40528	246.61492	6.66153	0.1819705	0.24227624	2.5483681	20	7 27.9	19.5
125334 2001 VQ_{48}	15.1	X	52.67696	320.91293	71.76443	10.88061	0.1450123	0.26885443	2.3775222	20	—	—
125335 2001 VZ_{48}	16.1	X	356.88618	45.01640	26.58062	2.51888	0.1656519	0.26385415	2.4074657	20	—	—
125336 2001 VA_{49}	14.8	X	196.14101	129.23376	279.50213	13.31289	0.1025754	0.23629889	2.5911642	20	5 19.3	18.9
125337 2001 VE_{51}	16.1	X	9.17218	120.09104	301.13260	7.34118	0.0630268	0.27015450	2.3698885	20	—	—
125338 2001 VP_{51}	15.8	X	163.24679	69.30416	14.26616	5.81183	0.0653411	0.29520843	2.2338305	20	5 28.4	18.8
125339 2001 VQ_{51}	16.4	X	54.01347	61.90398	10.46252	6.84881	0.0752875	0.27756536	2.3275153	20	—	—
125340 2001 VE_{52}	15.3	X	151.81697	333.56699	248.12221	6.13744	0.0702065	0.26165980	2.4209067	20	11 18.1	18.5
125341 2001 VV_{52}	16.7	X	274.09792	12.78893	334.57020	5.15137	0.1540430	0.29975580	2.2111811	20	5 20.6	19.6
125342 2001 VA_{53}	16.0	X	280.93083	81.59046	1.65838	6.20263	0.1120851	0.25888497	2.4381747	20	10 24.7	18.7
125343 2001 VA_{54}	16.5	X	68.16395	146.00358	3.38350	4.95410	0.0810594	0.28977668	2.2616588	20	4 24.1	18.9
125344 2001 VB_{54}	16.4	X	191.95117	127.07465	281.80194	3.88819	0.0215802	0.29450002	2.2374113	20	5 16.2	19.1
125345 2001 VP_{54}	15.4	X	317.78476	90.22039	279.55716	6.69706	0.1550892	0.25545359	2.4599600	20	9 5.8	17.9
125346 2001 VU_{54}	16.0	X	324.90593	134.78720	282.33811	5.20528	0.0593890	0.26210993	2.4181342	20	12 4.8	18.8
125347 2001 VN_{55}	16.4	X	118.48834	170.38421	267.55639	4.99524	0.1267904	0.28692506	2.2766192	20	3 31.2	19.5
125348 2001 VB_{57}	16.2	X	270.31772	264.19037	278.58719	6.38653	0.1469788	0.27077610	2.3662602	20	—	—
125349 2001 VA_{59}	15.8	X	100.97988	0.93532	28.14835	7.70439	0.1278443	0.27840782	2.3228176	20	1 4.4	18.4
125350 2001 VD_{59}	15.6	X	84.98991	70.88042	253.04069	5.65747	0.1280207	0.26800600	2.3825373	20	—	—
125351 2001 VA_{60}	16.9	X	218.45900	34.93609	284.81276	4.61109	0.1875500	0.28779149	2.2720475	20	2 13.4	20.5
125352 2001 VB_{60}	17.1	X	284.14874	21.24214	357.56793	3.57884	0.1586217	0.30419300	2.1896258	20	7 26.8	19.2
125353 2001 VA_{61}	15.7	X	140.11048	10.70574	259.12609	12.41337	0.1769575	0.26768827	2.3844222	20	—	—
125354 2001 VT_{61}	16.8	X	80.39496	68.40257	351.54712	3.90585	0.1249066	0.27857580	2.3218837	20	1 14.4	19.0
125355 2001 VR_{62}	16.2	X	0.14663	203.72246	34.07488	6.64034	0.0698647	0.29319587	2.2440411	20	5 11.1	18.2
125356 2001 VW_{62}	16.1	X	315.70740	157.32412	320.60032	3.25270	0.1848307	0.26629207	2.3927494	20	—	—
125357 2001 VK_{64}	16.7	X	67.05474	73.18364	305.96604	3.34582	0.0484066	0.27078141	2.3662292	20	—	—
125358 2001 VU_{64}	16.1	X	160.51448	301.90755	33.49385	11.04605	0.1581085	0.28008544	2.3135330	20	1 13.6	19.6
125359 2001 VF_{65}	16.1	X	277.19636	19.88193	42.57660	10.02675	0.1112446	0.25428207	2.4675098	20	9 24.6	19.0
125360 2001 VL_{65}	16.4	X	60.96486	180.99048	268.39976	5.20141	0.1236195	0.27861968	2.3216399	20	1 20.8	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125361 2001 VB_{66}	16.4	X	17.23772	93.86084	344.37868	2.69720	0.1636026	0.27049068	2.3679245	20	—	—
125362 2001 VL_{66}	16.2	X	30.73193	121.26883	278.13478	2.91934	0.1239224	0.26805084	2.3822716	20	—	—
125363 2001 VF_{67}	15.6	X	209.44861	12.65885	28.08087	3.67505	0.1668315	0.24130179	2.5552242	20	5 20.8	19.8
125364 2001 VT_{68}	15.5	X	319.40764	217.64590	291.42572	11.65553	0.2243088	0.21818069	2.7326993	20	—	—
125365 2001 VD_{69}	15.4	X	12.00012	152.86326	59.51298	1.97855	0.0950071	0.18509014	3.0493963	20	4 30.5	19.2
125366 2001 VS_{70}	17.3	X	67.97208	207.01955	234.85575	0.83126	0.1338158	0.27792490	2.3255075	20	1 24.6	19.3
125367 2001 VZ_{70}	16.6	X	64.27211	227.18880	258.42091	4.54954	0.0860528	0.28347616	2.2950476	20	3 13.1	19.0
125368 2001 VD_{71}	14.5	X	301.45718	279.52641	33.98335	6.04451	0.2142741	0.24297980	2.5434465	20	5 3.9	17.4
125369 2001 VK_{71}	15.2	X	86.35520	33.28339	77.93325	28.18072	0.1364621	0.22630052	2.6669345	20	4 27.2	19.3
125370 2001 VP_{71}	15.2	X	4.13010	260.45363	4.81562	2.09331	0.0881944	0.24663576	2.5182491	20	7 1.2	17.8
125371 2001 VV_{71}	15.3	X	5.73019	290.08317	54.26186	7.08789	0.1390126	0.25732107	2.4480436	20	11 7.0	17.7
125372 2001 VE_{72}	16.1	X	132.66806	57.75492	343.61980	3.30963	0.0442075	0.28301005	2.2975668	20	2 20.1	19.0
125373 2001 VN_{74}	16.4	X	278.11492	344.99263	234.27586	6.29335	0.0679157	0.27807004	2.3246982	20	—	—
125374 2001 VY_{74}	16.0	X	181.68410	265.87839	92.59019	5.85770	0.2430957	0.28982299	2.2614179	20	3 6.5	19.8
125375 2001 VG_{77}	15.8	X	58.25273	289.48762	200.51945	2.97117	0.2168375	0.22924037	2.6440844	20	4 6.8	18.5
125376 2001 VL_{77}	15.8	X	238.15729	44.95357	56.65131	15.19813	0.0386904	0.25617605	2.4553328	20	10 7.4	19.2
125377 2001 VY_{78}	16.7	X	320.26233	198.46132	233.79105	4.79492	0.1089936	0.26279163	2.4139505	20	12 21.3	19.1
125378 2001 VF_{79}	15.7	X	312.01570	254.94328	43.83413	3.15215	0.0339252	0.24196816	2.5505308	20	5 27.9	18.9
125379 2001 VJ_{79}	15.8	X	192.50615	186.63481	247.07004	5.28947	0.0275375	0.24342182	2.5403665	20	6 21.7	19.1
125380 2001 VL_{79}	16.3	X	110.07410	121.21946	255.16574	5.05123	0.1336275	0.27757764	2.3274466	20	—	—
125381 2001 VW_{79}	17.2	X	198.82407	204.85078	177.99111	6.00526	0.1923317	0.29184752	2.2509476	20	4 18.0	20.8
125382 2001 VD_{80}	14.8	X	125.95807	321.50454	82.37176	16.33756	0.1724552	0.22695475	2.6618068	20	3 17.8	19.1
125383 2001 VJ_{80}	15.5	X	114.71834	269.43652	356.03302	5.58818	0.0829805	0.26360975	2.4089534	20	12 2.8	19.0
125384 2001 VQ_{80}	16.1	X	26.54544	336.45634	335.81402	4.02876	0.1927178	0.25893733	2.4378460	20	11 1.7	19.0
125385 2001 VQ_{82}	16.4	X	327.63920	18.75563	91.04033	4.65276	0.1471542	0.26803822	2.3823463	20	—	—
125386 2001 VG_{83}	15.8	X	36.57681	309.16121	243.48236	6.20528	0.1170956	0.29227732	2.2487403	20	5 11.7	17.6
125387 2001 VN_{83}	16.0	X	306.73124	131.52191	9.53650	2.84237	0.1052174	0.27048747	2.3679432	20	—	—
125388 2001 VF_{84}	15.2	X	338.71452	97.59443	80.21519	13.80517	0.1552865	0.22389338	2.6860157	20	1 10.2	18.5
125389 2001 VG_{84}	15.5	X	108.62429	318.39083	158.02720	3.73076	0.1220357	0.23502288	2.6005345	20	5 15.9	19.1
125390 2001 VZ_{84}	16.1	X	130.03711	325.00271	320.68110	6.17902	0.1017006	0.26898574	2.3767484	20	—	—
125391 2001 VK_{88}	16.1	X	350.48573	268.39109	180.31913	5.57077	0.2493231	0.26473308	2.4021340	20	—	—
125392 2001 VU_{91}	16.3	X	68.85819	333.47048	111.70766	10.04993	0.1554080	0.27926631	2.3180548	20	2 4.3	18.3
125393 2001 VS_{94}	16.3	X	40.59879	278.20465	127.27348	10.96040	0.2349617	0.27025699	2.3692893	20	—	—
125394 2001 VN_{96}	15.9	X	238.70909	212.45514	148.07559	12.98508	0.1639660	0.24033536	2.5620697	20	5 3.3	20.1
125395 2001 VS_{96}	15.1	X	209.68756	249.03341	149.09216	11.78472	0.1603794	0.24022519	2.5628529	20	5 21.8	19.4
125396 2001 VW_{97}	14.9	X	248.31087	187.02656	178.66914	15.06614	0.1200153	0.24057191	2.5603899	20	5 23.1	18.8
125397 2001 VD_{98}	14.7	X	170.34463	221.64245	189.17960	13.12412	0.1749763	0.23503417	2.6004512	20	4 30.4	19.0
125398 2001 VZ_{98}	15.8	X	136.65965	275.13019	181.05733	11.12402	0.1654107	0.23364466	2.6107511	20	5 25.5	20.0
125399 2001 VB_{102}	16.1	X	324.58858	127.75933	22.62564	5.25909	0.1633969	0.27198133	2.3592646	20	—	—
125400 2001 VE_{102}	16.6	X	6.30197	73.68002	37.20704	7.13306	0.0597122	0.27440291	2.3453639	20	—	—
125401 2001 VK_{102}	15.9	X	230.14226	184.96337	25.06103	4.41358	0.1046846	0.26886509	2.3774594	20	—	—
125402 2001 VU_{102}	16.4	X	41.45025	99.64065	37.92284	7.32356	0.0620508	0.28320363	2.2965197	20	2 26.4	18.9
125403 2001 VH_{103}	16.4	X	345.81450	320.57526	283.56016	3.43379	0.1340111	0.29215899	2.2493475	20	4 17.8	18.4
125404 2001 VN_{103}	16.4	X	302.07080	159.85418	323.40233	2.26644	0.1415921	0.26583535	2.3954893	20	—	—
125405 2001 VT_{105}	16.7	X	136.22119	333.09128	0.30204	2.29853	0.2204226	0.27688153	2.3313460	20	—	—
125406 2001 VU_{105}	17.2	X	254.51799	77.05194	281.42045	2.36613	0.2044951	0.29737162	2.2229842	20	5 6.1	20.3
125407 2001 VV_{105}	15.9	X	21.81975	305.56542	37.72423	6.84381	0.0700249	0.25895286	2.4377486	20	11 18.7	18.7
125408 2001 VP_{106}	16.4	X	65.72423	59.73021	32.19595	8.35865	0.0806828	0.28091600	2.3089706	20	2 1.7	19.0
125409 2001 VR_{106}	16.1	X	27.79414	269.95849	268.35850	5.88722	0.1144158	0.28668926	2.2778674	20	3 28.5	18.3
125410 2001 VW_{106}	16.4	X	341.75575	33.65406	266.06261	4.10105	0.1902530	0.30310003	2.1948865	20	7 14.5	17.5
125411 2001 VK_{107}	16.4	X	31.43007	120.82369	38.25762	7.69665	0.0561279	0.28493043	2.2872317	20	3 11.9	18.9
125412 2001 VJ_{108}	16.3	X	100.34381	69.46991	41.50745	9.88786	0.0896811	0.23419064	2.6066919	20	4 23.3	19.6
125413 2001 VE_{109}	17.0	X	245.46749	126.45812	14.54439	2.16269	0.1494417	0.25877770	2.4388484	20	11 14.7	20.0
125414 2001 VG_{109}	16.5	X	276.34261	255.71113	32.99634	4.59890	0.0863242	0.28857261	2.2679456	20	3 15.5	19.3
125415 2001 VV_{109}	16.2	X	81.19799	22.24920	256.63689	5.01912	0.0800740	0.25798451	2.4438448	20	11 11.4	19.5
125416 2001 VK_{110}	16.5	X	282.10715	190.82967	319.64108	2.91779	0.1780483	0.26474633	2.4020539	20	—	—
125417 2001 VT_{110}	16.6	X	151.58017	72.24241	34.58110	5.32174	0.0704861	0.29415930	2.2391387	20	6 17.2	19.6
125418 2001 VU_{110}	15.9	X	36.40344	304.34899	260.65679	6.31728	0.0787608	0.29166694	2.2518766	20	5 26.7	18.1
125419 2001 VB_{111}	17.0	X	56.76072	89.38617	12.43713	3.13114	0.1186235	0.27910723	2.3189354	20	2 2.2	19.0
125420 2001 VK_{111}	15.6	X	284.03147	251.27641	42.16520	5.44899	0.2460775	0.23927111	2.5696612	20	3 14.8	19.3
125421 2001 VM_{111}	16.3	X	270.79179	86.33191	246.43990	9.66984	0.1841835	0.24280581	2.5446614	20	4 23.0	20.0
125422 2001 VJ_{112}	15.7	X	304.67427	262.14053	15.91917	4.95459	0.1116713	0.29072700	2.2567276	20	4 2.9	18.0
125423 2001 VS_{112}	16.3	X	284.61281	255.20389	277.73083	3.04493	0.1374005	0.26865892	2.3786755	20	—	—
125424 2001 VA_{113}	15.7	X	299.34078	359.80262	23.90166	5.25654	0.0986639	0.25198991	2.4824506	20	9 3.7	18.4
125425 2001 VR_{113}	16.6	X	321.25648	134.17434	56.05232	3.42022	0.0963105	0.27741498	2.3283563	20	—	—
125426 2001 VZ_{113}	16.5	X	164.54060	96.15246	289.45203	3.55558	0.1433738	0.28610630	2.2809605	20	3 16.0	19.8
125427 2001 VF_{114}	15.0	X	137.89743	84.64788	47.35737	10.82750	0.0766415	0.18777596	3.0202488	20	7 2.8	19.6
125428 2001 VN_{114}	16.2	X	317.84672	197.05129	50.43471	6.15678	0.0668684	0.28674756	2.2775586	20	3 20.5	18.8
125429 2001 VP_{114}	16.4	X	277.90712	136.13333	5.59769	1.73587	0.1174709	0.26329689	2.4108613	20	—	—
125430 2001 VR_{114}	16.0	X	321.11932	300.08092	17.29673	3.27129	0.1026802	0.24574198	2.5243514	20	7 1.2	18.7
125431 2001 VT_{114}	15.8	X	171.82233	282.41830	46.13016	7.26761	0.1396945	0.27940726	2.3172751	20	1 14.2	19.2
125432 2001 VV_{114}	15.9	X	210.85880	91.70153	269.48552	4.28639	0.1525384	0.29005614	2.2602059	20	3 29.4	19.5
125433 2001 VC_{115}	15.2	X	149.88497	33.04481	347.03401	2.90836	0.0548979	0.22879212	2.6475368	20	2 21.8	18.7
125434 2001 VJ_{115}	16.4	X	220.46649	299.06298	46.84713	4.28364	0.2286238	0.23730037	2.5838687	20	3 23.5	20.7
125435 2001 VM_{115}	16.0	X	174.58907	348.90830	64.31228	2.49728	0.0902407	0.23723495	2.5843437	20	5 3.9	19.7
125436 2001 VQ_{115}	16.0	X	242.74653	215.80583	329.55323	2.63248	0.1562445	0.26362403	2.4088664	20	—	—
125437 2001 VR_{115}	16.4	X	36.08660	30.20980	23.78349	3.50301	0.0691553	0.26975607	2.3722215	20	—	—
125438 2001 VD_{116}	16.9	X	327.39983	155.71456	323.94540	1.81421	0.1823627	0.26676193	2.3899390	20	—	—
125439 2001 VV_{116}	15.9	X	28.39513	64.27653	45.59955	5.33852	0.0857445	0.22212710	2.7002358	20	1 6.9	19.1
125440 2001 VP_{117}	16.1	X	298.78554	107.50537	339.00112	2.23087	0.1601876	0.25883965	2.4384593	20	11 28.3	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125441 2001 VT_{117}	15.8	X	164.40936	25.16572	30.91169	3.69723	0.1616140	0.28880480	2.2667299	20	4 27.4	19.2
125442 2001 VY_{117}	15.8	X	1.57606	62.73921	343.95911	1.55864	0.2171844	0.26387857	2.4073171	20	—	—
125443 2001 VP_{120}	15.0	X	196.84276	307.48506	77.32548	10.86780	0.0953776	0.23417607	2.6067999	20	4 25.1	19.0
125444 2001 VV_{120}	15.1	X	125.01568	121.38972	69.14336	7.52007	0.1420176	0.24358373	2.5392407	20	9 14.2	19.1
125445 2001 VZ_{120}	15.8	X	170.31002	307.71483	59.11103	7.38536	0.1501447	0.28210409	2.3024832	20	3 4.3	19.3
125446 2001 VN_{121}	16.2	X	271.43072	241.37492	183.75645	6.08856	0.1198500	0.25424719	2.4677355	20	9 12.2	19.0
125447 2001 VU_{121}	15.7	X	38.95689	101.65519	117.77436	5.51658	0.0464645	0.29554662	2.2321260	20	6 19.2	18.1
125448 2001 VL_{122}	15.0	X	334.93403	193.42442	97.03960	26.90726	0.1718149	0.29032354	2.2588179	20	6 13.4	16.8
125449 2001 VB_{123}	15.4	X	42.57752	75.41148	27.88743	13.79778	0.1459316	0.22060107	2.7126742	20	1 28.7	18.6
125450 2001 VK_{124}	17.1	X	27.83482	202.50196	89.83143	3.43780	0.1357423	0.30685382	2.1769495	20	10 10.7	19.2
125451 2001 VW_{125}	17.5	X	182.25400	119.25232	230.84782	1.64610	0.0364324	0.28401855	2.2921247	20	2 12.4	20.3
125452 2001 WK	17.4	X	40.84131	244.96818	340.36759	3.20390	0.0519659	0.29986422	2.2106481	20	7 2.8	19.6
125453 2001 WR	17.2	X	354.00992	178.23389	246.46478	1.55215	0.1553611	0.26588047	2.3952182	20	—	—
125454 2001 WW	16.1	X	318.23069	288.67770	238.97352	6.45319	0.2002864	0.21928223	2.7235400	20	—	—
125455 2001 WD_{3}	17.1	X	38.15327	290.28175	224.33030	1.22562	0.1253980	0.28608259	2.2810865	20	3 15.7	18.9
125456 2001 WN_{3}	16.9	X	163.55219	229.44066	49.47000	6.39329	0.2252024	0.27493403	2.3423424	20	—	—
125457 2001 WD_{4}	16.2	X	59.03632	328.00602	144.83087	7.16206	0.1453724	0.27981853	2.3150040	20	2 25.5	18.1
125458 2001 WR_{4}	15.2	X	246.12844	249.22329	96.28356	14.51048	0.3499203	0.24150990	2.5537562	20	4 10.4	20.0
125459 2001 WQ_{5}	15.8	X	87.01873	94.68431	281.84294	3.64470	0.2449178	0.27404594	2.3474002	20	—	—
125460 2001 WS_{5}	16.6	X	66.87407	66.89747	16.18778	2.25415	0.1711227	0.27786492	2.3258421	20	1 30.4	18.6
125461 2001 WT_{7}	17.1	X	327.55693	293.05385	164.67080	4.35891	0.2216048	0.26516262	2.3995392	20	—	—
125462 2001 WY_{7}	16.1	X	145.11245	231.24299	189.35737	5.58981	0.1388473	0.28769849	2.2725371	20	4 12.7	19.1
125463 2001 WF_{8}	16.2	X	1.80123	184.52219	82.92350	7.16455	0.0767579	0.29751020	2.2222938	20	7 2.7	18.1
125464 2001 WK_{8}	16.4	X	73.24870	342.88360	78.42691	8.15317	0.1131912	0.27707062	2.3302851	20	1 2.0	18.6
125465 2001 WY_{9}	15.6	X	218.07572	202.03309	144.01958	5.05633	0.0458815	0.23374813	2.6099806	20	3 29.4	19.3
125466 2001 WE_{10}	15.8	X	246.55290	222.48916	132.50990	6.70966	0.2527470	0.24260577	2.5460600	20	4 24.5	20.0
125467 2001 WK_{10}	15.9	X	202.87612	289.40548	74.27190	2.02372	0.0819761	0.23500840	2.6006414	20	4 1.6	19.6
125468 2001 WL_{10}	16.4	X	305.03383	132.28408	164.05228	2.77210	0.1778189	0.24327532	2.5413863	20	4 22.9	19.3
125469 2001 WM_{11}	15.4	X	342.30506	156.62518	75.37954	8.38069	0.0849435	0.28932854	2.2639936	20	4 5.2	17.8
125470 2001 WL_{13}	16.0	X	70.84860	108.30471	134.85436	7.13346	0.1157011	0.30281189	2.1962786	20	9 27.2	18.8
125471 2001 WC_{14}	15.9	X	359.86087	334.52858	132.88720	4.81458	0.1964750	0.26781920	2.3836450	20	—	—
125472 2001 WM_{14}	15.7	X	258.04421	357.77511	318.68635	4.76662	0.2614794	0.29234804	2.2483776	20	3 9.8	19.4
125473 Keisaku	16.8	X	184.81704	201.46191	144.73136	4.84091	0.1746205	0.28649989	2.2788710	20	2 18.1	20.3
125474 2001 WR_{14}	16.3	X	67.09421	162.23704	251.76438	6.00531	0.1572520	0.27487224	2.3426934	20	—	—
125475 2001 WA_{15}	16.8	X	323.98775	184.19683	159.52831	5.48704	0.2471966	0.30554811	2.1831470	20	8 13.3	17.4
125476 Frangarcia	16.3	X	82.39464	313.04761	44.34643	7.30522	0.1359487	0.26992803	2.3712138	20	—	—
125477 2001 WL_{16}	17.4	X	246.67013	34.93344	2.58636	3.24685	0.1474121	0.30185506	2.2009174	20	6 29.4	20.3
125478 2001 WS_{16}	16.1	X	296.34965	260.48058	310.58605	2.27719	0.1681005	0.28120046	2.3074132	20	—	—
125479 2001 WD_{17}	15.6	X	206.99292	309.34139	305.25899	1.37393	0.0260983	0.22194937	2.7016771	20	—	—
125480 2001 WY_{17}	16.0	X	168.13257	219.96778	254.42436	2.98136	0.1030660	0.29922689	2.2137860	20	7 18.6	19.1
125481 2001 WL_{19}	16.5	X	64.27548	266.60416	232.97198	1.23898	0.1685180	0.28613447	2.2808108	20	4 18.6	18.7
125482 2001 WY_{19}	16.6	X	334.98372	217.09430	277.13958	1.39691	0.1707207	0.27153388	2.3618557	20	—	—
125483 2001 WE_{20}	16.9	X	63.58676	353.13876	332.57476	1.91929	0.2296540	0.26744792	2.3858505	20	—	—
125484 2001 WL_{20}	16.5	X	280.10483	221.80348	345.37615	3.45621	0.0716377	0.27549617	2.3391550	20	—	—
125485 2001 WR_{20}	16.3	X	279.31281	63.91483	87.64819	7.41470	0.0302401	0.26725314	2.3870096	20	—	—
125486 2001 WX_{23}	16.9	X	296.73253	116.37799	51.43192	2.79564	0.1657639	0.27010402	2.3701837	20	—	—
125487 2001 WH_{25}	15.4	X	213.59568	69.97577	81.37946	6.84634	0.1829183	0.25663264	2.4524197	20	10 18.9	19.0
125488 2001 WC_{26}	17.7	X	32.81086	269.73539	162.26590	1.24268	0.1652564	0.27315663	2.3524924	20	—	—
125489 2001 WJ_{27}	16.1	X	357.13279	315.42251	126.33027	4.45126	0.1256944	0.26831602	2.3807017	20	—	—
125490 2001 WC_{28}	15.6	X	47.89419	283.27010	93.49536	7.15089	0.1421345	0.26820910	2.3813343	20	—	—
125491 2001 WJ_{28}	15.9	X	163.10234	318.79126	131.14189	4.97548	0.1788877	0.23982392	2.5657109	20	6 10.9	20.0
125492 2001 WK_{28}	15.6	X	18.39255	7.53506	82.49853	9.55071	0.1933418	0.27171649	2.3607974	20	—	—
125493 2001 WQ_{28}	16.3	X	313.90678	292.39713	122.35346	2.83914	0.1807046	0.25856994	2.4401547	20	11 13.1	18.2
125494 2001 WY_{28}	16.0	X	24.31502	291.70046	101.72246	6.77528	0.1553064	0.26651005	2.3914446	20	—	—
125495 2001 WC_{29}	15.8	X	156.67371	328.07285	102.83053	5.86753	0.2111597	0.23661871	2.5888288	20	5 14.5	20.1
125496 2001 WF_{29}	16.0	X	111.98076	342.47866	82.44793	15.29555	0.0839299	0.22931640	2.6434999	20	3 16.0	19.9
125497 2001 WJ_{29}	16.0	X	200.75339	234.75831	148.02116	4.63188	0.1487043	0.23771922	2.5808327	20	4 22.9	20.1
125498 2001 WU_{30}	16.0	X	300.20821	231.74140	66.86212	13.89412	0.1737305	0.24280678	2.5446546	20	4 23.9	19.3
125499 2001 WK_{31}	15.7	X	235.03856	351.35213	85.11556	7.05974	0.0373886	0.25018930	2.4943472	20	8 23.8	19.0
125500 2001 WB_{32}	16.1	X	337.52144	140.23226	71.02225	6.71490	0.1113795	0.28468622	2.2885395	20	2 21.6	18.6
125501 2001 WC_{32}	15.8	X	314.42733	179.29916	72.52098	7.17196	0.0636893	0.28850421	2.2683041	20	3 23.1	18.4
125502 2001 WD_{32}	16.2	X	156.13182	157.66814	184.29726	2.78660	0.1165921	0.22668028	2.6639550	20	1 18.1	20.2
125503 2001 WC_{34}	16.2	X	345.48753	21.18168	87.56411	7.50010	0.0597882	0.27047866	2.3679946	20	—	—
125504 2001 WY_{34}	16.4	X	245.18688	27.21288	137.45106	3.17577	0.1092055	0.26252055	2.4156120	20	12 24.4	19.2
125505 2001 WQ_{35}	16.8	X	105.59040	176.86984	162.05411	3.18525	0.1864547	0.27221256	2.3579284	20	—	—
125506 2001 WS_{35}	15.2	X	220.50464	304.54519	74.14119	15.69445	0.1054055	0.24008151	2.5638754	20	5 11.3	19.1
125507 2001 WX_{35}	16.6	X	56.60949	313.63139	127.87254	2.91475	0.1775699	0.27639535	2.3340790	20	1 6.0	18.3
125508 2001 WG_{37}	16.5	X	282.97051	267.49501	63.78637	14.63166	0.1844466	0.24571151	2.5245601	20	5 10.1	19.9
125509 2001 WQ_{37}	16.3	X	64.08850	245.39378	108.85919	4.55465	0.1655276	0.26890455	2.3772268	20	—	—
125510 2001 WR_{37}	16.5	X	358.57634	20.85476	90.58810	5.25031	0.1045291	0.27290495	2.3539385	20	—	—
125511 2001 WY_{37}	16.3	X	291.35012	82.55138	145.65419	2.33944	0.0944369	0.28103733	2.3083060	20	1 10.9	19.4
125512 2001 WJ_{38}	15.5	X	327.34199	256.95214	98.49573	9.95499	0.1056841	0.25198021	2.4825143	20	9 14.7	18.2
125513 2001 WN_{39}	15.9	X	18.45738	237.00445	138.43243	5.77051	0.1597201	0.26239317	2.4163937	20	—	—
125514 2001 WY_{39}	15.3	X	264.63462	235.20824	118.34218	6.03517	0.2946068	0.24461755	2.5320813	20	5 4.5	19.3
125515 2001 WV_{40}	14.8	X	190.08672	194.36287	240.51940	13.21437	0.1509272	0.23950254	2.5680056	20	6 15.8	18.9
125516 2001 WJ_{41}	15.2	X	184.81158	299.28281	110.05241	18.01984	0.1768087	0.23543237	2.5975182	20	5 16.1	19.8
125517 2001 WG_{43}	15.7	X	38.21295	177.75120	124.54684	5.62471	0.1795848	0.25984757	2.4321496	20	11 6.7	18.8
125518 2001 WW_{44}	15.9	X	67.25706	85.34641	67.46762	14.03296	0.0836675	0.23442942	2.6049215	20	5 5.7	19.2
125519 2001 WA_{46}	16.7	X	250.08376	352.82586	252.62014	4.32007	0.1411969	0.27786019	2.3258685	20	—	—
125520 2001 WJ_{46}	15.8	X	328.76022	207.91642	33.76163	3.18752	0.0793610	0.28862624	2.2676647	20	3 24.7	18.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125521 2001 WY_{47}	16.2	X	307.68467	289.04921	127.70027	6.61458	0.1064994	0.25870632	2.4392970	20	11 7.7	18.8
125522 2001 WG_{48}	16.2	X	73.68538	213.03028	151.31695	6.99283	0.1356841	0.27086144	2.3657631	20	—	—
125523 2001 WH_{48}	15.9	X	144.89357	328.74770	108.30429	9.07731	0.1627669	0.23646267	2.5899675	20	5 10.4	20.1
125524 2001 WK_{49}	15.0	X	101.97974	112.13790	27.29684	13.70230	0.0960754	0.23320784	2.6140103	20	5 30.8	18.8
125525 2001 WH_{51}	16.7	X	103.96802	293.05905	228.09833	7.14108	0.0813722	0.29736577	2.2230133	20	7 4.6	19.5
125526 2001 WD_{57}	16.0	X	253.01682	326.31366	237.91452	4.46916	0.1882849	0.27090302	2.3655211	20	—	—
125527 2001 WU_{63}	16.6	X	130.60696	122.79557	26.72209	1.14790	0.0289420	0.24415993	2.5352442	20	7 15.9	19.9
125528 2001 WB_{64}	16.1	X	166.10698	332.49055	246.92780	5.65474	0.0877202	0.26146553	2.4221057	20	11 30.4	19.4
125529 2001 WH_{65}	16.2	X	223.08688	298.45244	211.22987	6.23691	0.0710000	0.26161564	2.4211791	20	11 10.0	19.2
125530 2001 WF_{73}	16.0	X	155.65180	154.38230	147.45597	2.45416	0.0340458	0.21986390	2.7187343	20	—	—
125531 2001 WH_{83}	16.6	X	155.34597	218.65366	74.04788	7.32266	0.1238287	0.27194138	2.3594956	20	—	—
125532 2001 WR_{84}	16.8	X	199.92537	165.94202	79.73836	2.72090	0.1384980	0.27004453	2.3705319	20	—	—
125533 2001 WK_{85}	17.3	X	330.16117	127.35394	193.87370	1.80863	0.1628224	0.30158926	2.2022104	20	7 25.1	18.7
125534 2001 WO_{85}	16.6	X	304.67790	330.62152	200.83543	2.10226	0.1226079	0.27059197	2.3673335	20	—	—
125535 2001 WK_{86}	15.7	X	30.52330	168.34242	83.54780	10.90360	0.1146031	0.24362287	2.5389687	20	8 1.8	18.7
125536 2001 WB_{88}	15.6	X	288.59651	252.92794	26.39887	3.57237	0.2014393	0.23748450	2.5825329	20	3 6.8	19.2
125537 2001 WQ_{88}	16.6	X	333.76969	143.00405	4.54436	3.57803	0.0499127	0.27417884	2.3466416	20	—	—
125538 2001 WK_{89}	15.7	X	314.78905	283.49622	329.11945	3.92832	0.0826865	0.28817371	2.2700381	20	3 16.0	18.2
125539 2001 WN_{90}	14.6	X	49.94189	183.56803	314.37390	4.49232	0.1272578	0.17631588	3.1497429	20	3 25.2	18.5
125540 2001 WO_{90}	15.1	X	330.59672	237.20356	36.71945	13.28194	0.1193574	0.24096590	2.5575982	20	5 9.8	18.0
125541 2001 WQ_{90}	16.4	X	58.55555	175.54918	291.52143	6.12859	0.0804753	0.28216159	2.3021704	20	2 6.4	18.8
125542 2001 WU_{91}	15.1	X	36.72170	66.22145	64.96442	29.52128	0.1554836	0.22456647	2.6806458	20	3 11.5	18.8
125543 2001 WW_{92}	14.9	X	233.95936	252.69949	25.68036	11.62229	0.1633153	0.22820464	2.6520787	20	1 19.0	19.4
125544 2001 WW_{98}	16.7	X	339.20652	252.00918	233.32727	4.10744	0.1210701	0.27203521	2.3589531	20	—	—
125545 2001 WC_{100}	16.5	X	46.59799	79.34077	313.41108	5.91228	0.1336466	0.26865673	2.3786885	20	—	—
125546 2001 XN	15.2	X	170.06664	272.19213	126.57943	26.97726	0.2989618	0.23588760	2.5941753	20	4 27.8	20.5
125547 2001 XJ_{3}	15.6	X	346.76106	202.44032	136.76195	5.64987	0.1153047	0.25252301	2.4789556	20	9 23.8	18.1
125548 2001 XA_{4}	16.0	X	312.87958	347.53052	353.46254	3.35880	0.2098052	0.30169493	2.2016961	20	7 12.3	17.4
125549 2001 XC_{4}	15.5	X	59.69227	83.24511	358.67924	23.44562	0.2809233	0.27315522	2.3525004	20	2 11.8	17.6
125550 2001 XY_{5}	15.5	X	333.49795	189.62758	126.93848	12.45817	0.0737266	0.24710489	2.5150608	20	7 23.8	18.2
125551 2001 XA_{6}	16.3	X	53.54290	221.32437	238.17389	2.63129	0.2004683	0.27680529	2.3317740	20	1 29.0	18.0
125552 2001 XY_{6}	15.0	X	173.81936	146.67957	282.20178	32.79668	0.2536437	0.23554946	2.5966573	20	5 26.6	20.0
125553 2001 XO_{7}	15.5	X	250.59724	359.27312	350.31989	14.09013	0.1053822	0.24077685	2.5589368	20	4 27.5	19.4
125554 2001 XU_{9}	15.5	X	124.62105	14.56202	315.03497	4.58349	0.0605871	0.26996633	2.3709896	20	—	—
125555 2001 XW_{9}	16.0	X	74.55011	17.46349	322.73045	4.43519	0.2378304	0.26677878	2.3898383	20	—	—
125556 2001 XJ_{10}	16.1	X	145.36913	63.34598	330.14330	6.28942	0.1278419	0.28136026	2.3065394	20	3 5.7	19.2
125557 2001 XU_{12}	15.6	X	139.89664	41.05149	347.78216	7.40933	0.0862284	0.22752892	2.6573269	20	2 25.4	19.3
125558 2001 XM_{13}	16.0	X	51.77856	164.66381	43.33376	6.43962	0.1223276	0.29169834	2.2517149	20	7 5.7	18.4
125559 2001 XN_{13}	16.6	X	325.78970	327.61878	5.41080	3.97909	0.1490539	0.30170346	2.2016546	20	8 8.4	18.2
125560 2001 XS_{13}	15.4	X	84.36655	332.05214	12.49147	7.21998	0.1364615	0.26710115	2.3879151	20	—	—
125561 2001 XN_{14}	16.0	X	179.23351	200.80966	20.13632	6.03046	0.0985694	0.25717280	2.4489845	20	12 14.3	19.6
125562 2001 XP_{14}	16.3	X	189.75617	14.51262	322.94154	6.31320	0.1443590	0.28217685	2.3020873	20	2 10.9	19.9
125563 2001 XH_{15}	16.1	X	73.39042	105.33205	343.61366	4.98555	0.1082958	0.27916530	2.3186139	20	2 11.3	18.3
125564 2001 XV_{15}	15.6	X	246.05128	53.79728	86.73140	7.40249	0.1430554	0.25779136	2.4450654	20	11 17.8	18.5
125565 2001 XQ_{16}	15.7	X	178.71353	345.95805	135.66756	3.05290	0.1492293	0.24326395	2.5414655	20	8 4.9	19.7
125566 2001 XJ_{17}	16.2	X	117.93735	29.20957	334.23180	5.37108	0.1941911	0.27542920	2.3395342	20	1 4.9	19.0
125567 2001 XT_{17}	16.1	X	95.35169	4.20578	20.36986	4.39463	0.1513698	0.27404138	2.3474262	20	—	—
125568 2001 XF_{18}	15.7	X	77.79026	100.53851	338.17457	5.87413	0.0952080	0.27748821	2.3279467	20	2 2.6	18.0
125569 2001 XG_{18}	16.4	X	130.02743	1.72600	32.89445	6.57125	0.1809853	0.28076747	2.3097848	20	2 29.4	19.6
125570 2001 XE_{19}	15.2	X	86.12115	41.16365	65.34960	12.16751	0.1406154	0.22812107	2.6527263	20	4 11.4	18.8
125571 2001 XL_{19}	16.2	X	313.90989	167.81916	346.27535	4.70434	0.1371798	0.26731609	2.3866349	20	—	—
125572 2001 XN_{19}	16.0	X	300.01159	126.45198	314.27614	7.07647	0.1126349	0.25696146	2.4503271	20	11 22.9	18.7
125573 2001 XR_{19}	16.0	X	52.72969	335.32043	17.55351	6.48413	0.1278159	0.26218769	2.4176560	20	—	—
125574 2001 XZ_{19}	15.8	X	285.73581	136.04689	320.55421	5.62471	0.0882135	0.25657061	2.4528149	20	11 23.1	18.6
125575 2001 XU_{20}	15.5	X	270.25775	60.68742	344.74242	6.77443	0.0918147	0.24729884	2.5137456	20	8 18.9	18.7
125576 2001 XQ_{21}	15.0	X	35.71674	180.82995	336.35513	6.25493	0.1302623	0.17189210	3.2035544	20	3 28.1	18.9
125577 2001 XW_{22}	15.6	X	274.77833	225.09725	312.36530	7.09901	0.0469734	0.26636508	2.3923122	20	—	—
125578 2001 XW_{23}	15.7	X	291.03083	111.68733	22.72915	6.62734	0.0660227	0.26043439	2.4284947	20	—	—
125579 2001 XT_{24}	15.6	X	271.29720	124.90734	317.04115	6.42617	0.1025363	0.25162757	2.4848331	20	10 5.4	18.7
125580 2001 XA_{25}	15.7	X	104.47043	28.91265	41.30339	5.62069	0.1476740	0.27893803	2.3198731	20	3 11.7	18.6
125581 2001 XG_{25}	15.9	X	49.53159	358.41653	65.28089	4.42209	0.1889145	0.26995262	2.3710699	20	—	—
125582 2001 XQ_{25}	15.5	X	152.13887	60.41169	83.12716	13.43078	0.0962045	0.23997872	2.5646074	20	8 9.5	19.5
125583 2001 XB_{26}	15.9	X	345.69405	36.02703	69.08433	7.91125	0.0770003	0.26601630	2.3944028	20	—	—
125584 2001 XU_{26}	14.4	X	131.01200	285.96937	103.67190	13.51623	0.2091521	0.22293251	2.6937283	20	3 5.8	18.8
125585 2001 XN_{27}	14.8	X	98.02342	56.21165	0.83783	8.32752	0.1944327	0.27528540	2.3403488	20	2 21.2	17.5
125586 2001 XF_{29}	14.8	X	259.80753	265.97431	125.46567	16.91462	0.2108410	0.24427531	2.5344457	20	6 26.9	18.6
125587 2001 XL_{29}	15.5	X	146.97420	197.95691	187.57302	4.43652	0.1438717	0.27900165	2.3195204	20	2 28.0	18.8
125588 2001 XT_{29}	15.5	X	195.09715	313.22723	131.57156	5.34655	0.1867298	0.24134816	2.5548969	20	7 2.5	19.6
125589 2001 XS_{31}	16.2	X	152.08688	265.30297	143.32800	2.36677	0.1780961	0.28455532	2.2892413	20	4 7.9	19.6
125590 2001 XT_{31}	16.0	X	261.27175	258.43678	135.49447	2.43155	0.1791513	0.24496970	2.5296541	20	7 5.6	19.4
125591 2001 XA_{33}	16.3	X	2.98567	348.75713	224.56147	5.41451	0.1364095	0.28789529	2.2715014	20	4 4.3	18.1
125592 Buthiers	15.0	X	182.66567	23.91087	32.53136	3.30734	0.1373978	0.23719935	2.5846023	20	5 16.1	19.0
125593 2001 XU_{34}	15.8	X	345.75205	30.76370	3.99258	9.12518	0.0425458	0.25910460	2.4367967	20	12 1.7	18.9
125594 2001 XB_{40}	15.0	X	129.59304	188.07132	312.48274	10.98921	0.1885847	0.23845560	2.5755167	20	7 15.9	19.1
125595 2001 XG_{41}	14.9	X	340.25747	140.36559	50.54901	15.43660	0.1408733	0.22315930	2.6919029	20	2 7.2	18.4
125596 2001 XL_{44}	15.1	X	303.24272	280.98755	62.33907	13.51484	0.1332780	0.24340886	2.5404567	20	7 3.8	18.1
125597 2001 XW_{44}	16.7	X	149.04360	9.56800	8.88024	5.88241	0.2313064	0.28109032	2.3080159	20	3 2.6	20.2
125598 2001 XF_{45}	14.8	X	233.88023	343.41740	4.18858	9.39821	0.2552821	0.23681633	2.5873884	20	4 1.4	19.1
125599 2001 XM_{45}	16.2	X	65.14484	100.96784	348.94458	7.12087	0.0744038	0.27704122	2.3304500	20	1 27.6	18.7
125600 2001 XB_{46}	15.7	X	236.16274	182.20969	23.31373	8.40469	0.1693916	0.26086898	2.4257968	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125601 2001 XB_{47}	15.6	X	311.72040	5.04633	68.78738	13.85976	0.1088293	0.25598279	2.4565685	20	12 5.5	18.1
125602 2001 XH_{47}	14.9	X	38.62299	271.55398	345.47057	13.54774	0.1792200	0.23893049	2.5721029	20	8 31.7	17.8
125603 2001 XX_{47}	16.1	X	185.04444	299.75411	28.45726	7.95447	0.1538920	0.27613647	2.3355377	20	1 29.7	19.8
125604 2001 XJ_{48}	14.8	X	145.98246	207.15904	282.34867	12.66329	0.0261021	0.24734602	2.5134260	20	7 7.8	18.2
125605 2001 XK_{49}	16.3	X	153.11460	196.84700	234.94152	3.16533	0.1676861	0.23672014	2.5880892	20	5 8.6	20.4
125606 2001 XS_{50}	16.1	X	36.31400	83.61595	169.85940	1.11379	0.0228487	0.29928543	2.2134973	20	8 3.1	18.4
125607 2001 XU_{50}	16.3	X	143.08269	257.90919	244.46034	3.87738	0.1048783	0.24364008	2.5388491	20	7 25.1	20.1
125608 2001 XX_{50}	16.0	X	100.67708	244.29941	74.00365	5.97750	0.2445514	0.26934467	2.3746364	20	—	—
125609 2001 XS_{51}	16.7	X	22.17295	250.02881	215.89137	1.36112	0.1539099	0.27386595	2.3484286	20	—	—
125610 2001 XW_{51}	15.8	X	290.18433	308.32860	174.79169	1.34570	0.1640576	0.26229942	2.4169694	20	—	—
125611 2001 XJ_{52}	16.5	X	94.34209	341.28033	79.32199	1.87642	0.1994076	0.27975611	2.3153483	20	2 19.2	19.0
125612 2001 XX_{52}	16.6	X	325.00848	251.80081	253.03505	0.46626	0.1307581	0.27016517	2.3698261	20	—	—
125613 2001 XP_{53}	16.1	X	292.82635	322.35994	165.80320	2.18762	0.1610172	0.26279321	2.4139408	20	—	—
125614 2001 XN_{54}	16.0	X	266.69930	122.12520	86.19188	7.25352	0.0515363	0.27182272	2.3601823	20	—	—
125615 2001 XT_{54}	16.8	X	253.70450	274.64594	99.19727	1.90267	0.0591150	0.29589664	2.2303654	20	6 17.1	19.4
125616 2001 XU_{54}	15.5	X	123.44374	127.62083	241.89225	3.82522	0.0895007	0.22314792	2.6919944	20	1 12.5	19.1
125617 2001 XX_{54}	16.3	X	15.51965	222.49186	170.83915	5.02244	0.1916466	0.26424703	2.4050788	20	—	—
125618 2001 XE_{55}	16.5	X	338.67535	232.16794	237.99759	1.61785	0.1547279	0.26727552	2.3868764	20	—	—
125619 2001 XL_{55}	15.6	X	239.55271	74.10329	91.45310	7.44801	0.0891595	0.26065705	2.4271115	20	12 19.9	18.4
125620 2001 XH_{56}	16.0	X	6.53738	215.36174	163.11306	1.76662	0.1740293	0.26140014	2.4225096	20	12 31.9	18.7
125621 2001 XW_{56}	16.1	X	18.00263	111.14323	87.04371	2.85185	0.1420993	0.28506519	2.2865108	20	4 15.9	17.8
125622 2001 XE_{57}	17.1	X	14.18561	220.49992	223.84981	0.68881	0.1536773	0.26960195	2.3731255	20	—	—
125623 2001 XZ_{57}	16.0	X	13.02235	356.20940	102.28247	4.64735	0.1668496	0.27079065	2.3661754	20	—	—
125624 2001 XN_{58}	16.5	X	56.89495	341.35267	104.31243	3.74673	0.1266731	0.27592486	2.3367316	20	1 9.5	18.6
125625 2001 XO_{58}	15.5	X	63.38404	89.36427	103.26374	5.45348	0.1475082	0.29028870	2.2589986	20	7 4.8	17.9
125626 2001 XU_{58}	16.4	X	136.03237	276.55210	121.94528	2.83715	0.2432210	0.28332049	2.2958882	20	3 16.4	19.8
125627 2001 XY_{58}	16.9	X	122.42960	131.35049	255.62122	1.96762	0.2266307	0.27984894	2.3148363	20	2 12.9	19.9
125628 2001 XD_{59}	15.4	X	252.74804	309.10546	98.33709	3.68287	0.1624637	0.24668657	2.5179033	20	7 16.2	18.8
125629 2001 XF_{59}	16.3	X	37.24970	117.17310	279.89074	0.29333	0.1921064	0.26756631	2.3851467	20	—	—
125630 2001 XH_{59}	16.5	X	352.08107	272.14616	175.58979	1.31656	0.1461483	0.26613310	2.3937022	20	—	—
125631 2001 XS_{59}	15.6	X	7.67780	101.82112	262.73820	6.59155	0.1320702	0.25819339	2.4425266	20	12 6.9	18.4
125632 2001 XV_{59}	15.8	X	317.03430	212.88624	253.85910	4.49319	0.1488613	0.26296312	2.4129009	20	—	—
125633 2001 XY_{59}	15.9	X	198.92649	180.91507	226.88799	1.45522	0.1915278	0.23908888	2.5709668	20	5 19.9	20.2
125634 2001 XA_{60}	16.0	X	347.96628	80.43292	108.88624	7.78253	0.0398349	0.27965728	2.3158938	20	2 15.6	18.6
125635 2001 XN_{60}	15.2	X	80.85908	230.46732	270.43144	8.71553	0.2018939	0.23094755	2.6310381	20	5 23.7	18.7
125636 2001 XP_{60}	15.5	X	127.77344	14.21932	90.45337	14.31944	0.1089442	0.23435841	2.6054476	20	5 23.1	19.4
125637 2001 XK_{61}	16.3	X	316.71657	228.37669	233.05710	1.61471	0.1299893	0.26300417	2.4126498	20	—	—
125638 2001 XQ_{61}	15.8	X	125.66564	295.02761	150.85527	2.84177	0.0920963	0.23285714	2.6166342	20	4 22.3	19.4
125639 2001 XZ_{61}	15.9	X	87.24233	128.13630	269.40575	6.03703	0.1084659	0.27413751	2.3468774	20	—	—
125640 2001 XC_{63}	16.1	X	10.70932	328.55249	132.29213	3.37385	0.1453171	0.26938878	2.3743772	20	—	—
125641 2001 XO_{63}	15.0	X	260.51427	81.63942	277.69624	10.32493	0.1867069	0.24099921	2.5573626	20	5 16.4	18.9
125642 2001 XX_{63}	16.0	X	46.48089	292.62941	93.92556	4.13574	0.1869184	0.26638624	2.3921855	20	—	—
125643 2001 XV_{64}	16.1	X	232.77701	179.64042	239.48551	2.83186	0.1114669	0.24381082	2.5376637	20	7 13.7	19.6
125644 2001 XN_{65}	16.6	X	14.64566	236.04474	252.70212	1.45929	0.1195928	0.27280670	2.3545036	20	—	—
125645 2001 XT_{65}	15.9	X	99.67228	340.24050	101.93754	7.83211	0.0563015	0.27973483	2.3154657	20	3 7.8	18.7
125646 2001 XC_{66}	16.2	X	329.72525	275.61561	261.36780	2.35200	0.0906450	0.27236624	2.3570414	20	—	—
125647 2001 XR_{66}	16.6	X	102.17316	269.64964	124.29730	3.19355	0.2219125	0.27550564	2.3391014	20	1 28.3	19.2
125648 2001 XS_{66}	15.5	X	278.61566	2.79040	105.59500	6.75635	0.1546402	0.25593530	2.4568724	20	11 23.1	18.0
125649 2001 XW_{66}	15.4	X	210.44870	61.86559	276.42974	4.55916	0.2085472	0.28252350	2.3002039	20	2 28.9	19.3
125650 2001 XV_{68}	16.5	X	133.59858	230.03060	196.60950	1.77644	0.1354055	0.23257257	2.6187682	20	4 10.2	20.4
125651 2001 XX_{68}	15.8	X	105.04706	264.12604	230.20567	3.96998	0.0959115	0.23666410	2.5884978	20	5 31.0	19.2
125652 2001 XK_{69}	16.3	X	207.10354	226.80921	80.41833	7.45996	0.0290150	0.28161666	2.3051392	20	1 19.1	19.3
125653 2001 XX_{69}	16.6	X	131.03419	315.48108	80.51608	8.95154	0.0311210	0.28292735	2.2980145	20	2 11.4	19.5
125654 2001 XY_{69}	16.4	X	358.87120	29.13726	86.61763	7.62621	0.0559643	0.27415415	2.3467825	20	—	—
125655 2001 XC_{70}	15.9	X	289.91822	13.47622	110.50723	7.61484	0.0497702	0.26538016	2.3982277	20	—	—
125656 2001 XN_{70}	16.1	X	206.28163	156.61568	92.93748	6.62993	0.0872004	0.27231786	2.3573205	20	—	—
125657 2001 XP_{70}	16.3	X	91.20344	235.02508	184.64346	6.54342	0.0747679	0.27992605	2.3144111	20	1 21.4	19.1
125658 2001 XB_{71}	16.3	X	64.62969	325.90021	239.91291	4.97042	0.0905963	0.29649657	2.2273558	20	7 15.9	18.8
125659 2001 XG_{71}	15.9	X	308.90887	9.17517	107.46915	10.62846	0.1144378	0.26415136	2.4056595	20	—	—
125660 2001 XL_{71}	16.0	X	348.03474	315.23302	137.00542	5.78882	0.1752762	0.26763815	2.3847198	20	—	—
125661 2001 XN_{72}	16.4	X	286.19705	300.11173	204.88116	1.68160	0.1289621	0.26538774	2.3981821	20	—	—
125662 2001 XN_{73}	15.8	X	148.29233	332.23989	110.99294	4.51008	0.0431318	0.23746530	2.5826722	20	5 11.3	19.3
125663 2001 XR_{73}	15.5	X	231.24559	128.32613	219.52652	3.69046	0.1140043	0.23762802	2.5814930	20	4 8.4	19.4
125664 2001 XG_{75}	16.2	X	73.20190	227.69750	174.48157	2.86768	0.2681783	0.22187611	2.7022718	20	1 11.1	19.0
125665 2001 XG_{76}	16.2	X	102.37756	129.36171	219.56457	1.88134	0.1935906	0.22032847	2.7149112	20	—	—
125666 2001 XN_{76}	15.9	X	69.88040	209.56924	99.74230	6.00197	0.1566160	0.26256527	2.4153377	20	12 17.2	19.3
125667 2001 XG_{77}	15.8	X	81.26055	303.38730	212.42547	4.73734	0.1063549	0.23679018	2.5875789	20	5 30.8	19.2
125668 2001 XL_{77}	16.5	X	96.94689	21.80392	114.43149	2.08562	0.1049879	0.23637446	2.5906118	20	5 24.8	19.9
125669 2001 XQ_{77}	16.9	X	149.74208	336.45066	112.95757	3.34524	0.0657966	0.29149394	2.2527674	20	5 21.8	19.7
125670 2001 XX_{77}	15.6	X	142.75768	152.24756	214.48671	5.11449	0.0338455	0.22581480	2.6707574	20	1 23.6	19.3
125671 2001 XP_{78}	16.9	X	69.05559	271.62969	184.93906	3.16210	0.0719179	0.28020298	2.3128860	20	2 8.4	19.4
125672 2001 XU_{78}	15.6	X	132.04798	205.34584	135.16233	2.92843	0.1978889	0.22274641	2.6952284	20	1 1.3	19.6
125673 2001 XY_{79}	16.6	X	45.49507	83.18439	20.74002	2.78824	0.1259076	0.27650646	2.3334538	20	1 15.4	18.6
125674 2001 XV_{80}	15.9	X	131.83802	193.41850	89.19419	7.37841	0.1040434	0.26369265	2.4084485	20	—	—
125675 2001 XB_{81}	16.1	X	243.15548	226.44442	150.79696	5.70015	0.1031916	0.29503181	2.2347219	20	6 2.2	19.0
125676 2001 XE_{81}	17.0	X	90.06446	299.23785	138.20565	2.51843	0.1490306	0.28068143	2.3102568	20	2 27.4	19.5
125677 2001 XU_{81}	16.7	X	83.37769	119.91365	283.07835	5.74798	0.1508801	0.27533784	2.3400517	20	—	—
125678 2001 XZ_{81}	15.9	X	231.71720	92.24552	87.14919	10.69873	0.1094122	0.26161202	2.4212014	20	12 24.6	18.9
125679 2001 XR_{82}	16.7	X	23.48129	224.07671	174.70740	2.51403	0.2176742	0.26674522	2.3900388	20	—	—
125680 2001 XA_{83}	15.2	X	211.86678	254.31546	114.75221	8.35872	0.1924537	0.23791001	2.5794527	20	4 16.9	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125681 2001 XM_{83}	16.0	X	216.70398	120.95076	117.68158	5.13200	0.0161885	0.26931417	2.3748157	20	—	—
125682 2001 XV_{83}	16.8	X	135.93537	254.30263	146.57836	5.47238	0.1578548	0.28280275	2.2986894	20	3 10.2	20.0
125683 2001 XF_{84}	15.7	X	205.50862	237.70094	135.82662	3.85077	0.2167920	0.23689631	2.5868060	20	4 14.2	20.1
125684 2001 XZ_{84}	16.0	X	74.35554	272.48500	119.76778	7.23972	0.1401994	0.27086961	2.3657156	20	—	—
125685 2001 XX_{85}	16.3	X	281.85079	182.34604	201.27339	2.02881	0.1636261	0.29984888	2.2107235	20	7 27.1	18.5
125686 2001 XB_{87}	15.2	X	135.45661	351.60166	115.22694	14.39660	0.1397639	0.23311710	2.6146885	20	6 5.8	19.4
125687 2001 XQ_{87}	14.8	X	112.99294	359.68583	98.31400	15.59895	0.1522879	0.22668428	2.6639237	20	5 6.3	18.9
125688 2001 XT_{88}	16.3	X	352.95724	59.86865	103.16512	7.02551	0.0934927	0.27708168	2.3302231	20	1 9.1	18.8
125689 2001 XX_{88}	16.0	X	12.65299	113.01708	291.72511	3.68000	0.0514945	0.26744291	2.3858803	20	—	—
125690 2001 XE_{89}	16.6	X	87.65825	262.99579	272.65852	4.70766	0.0661505	0.29578248	2.2309393	20	7 1.7	19.0
125691 2001 XK_{89}	16.2	X	20.75178	323.00779	276.60904	5.73331	0.1114942	0.29622424	2.2287207	20	6 26.7	18.1
125692 2001 XM_{89}	15.8	X	182.06639	167.56396	36.24462	6.72313	0.1073275	0.26060168	2.4274553	20	11 25.2	19.4
125693 2001 XT_{89}	16.5	X	65.49203	306.57368	287.94400	4.77193	0.1113319	0.30178007	2.2012820	20	9 1.3	19.1
125694 2001 XD_{90}	16.2	X	310.17571	76.80130	65.65198	3.54750	0.1184005	0.26916565	2.3756892	20	—	—
125695 2001 XF_{92}	17.5	X	53.17706	129.25139	349.73885	0.85113	0.1472650	0.28039871	2.3118095	20	2 22.9	19.2
125696 2001 XG_{92}	16.2	X	191.05849	113.25290	57.82754	4.94163	0.0915512	0.25577842	2.4578768	20	10 26.9	19.7
125697 2001 XJ_{92}	16.6	X	150.08582	245.30926	243.69647	1.75645	0.0841581	0.24347136	2.5400219	20	7 14.9	20.2
125698 2001 XT_{93}	16.8	X	94.82730	71.41590	44.58853	7.66634	0.0389608	0.28801899	2.2708510	20	4 12.4	19.3
125699 2001 XU_{93}	16.0	X	155.26978	173.57354	45.00816	3.68509	0.1397168	0.25873882	2.4390928	20	11 14.9	19.8
125700 2001 XN_{94}	16.2	X	310.35722	198.58011	296.84084	4.34956	0.1736999	0.26653122	2.3913179	20	—	—
125701 2001 XT_{94}	15.7	X	242.27992	92.95911	266.91707	10.20836	0.2263176	0.24242340	2.5473367	20	4 23.0	19.9
125702 2001 XS_{96}	15.6	X	138.48881	60.32395	81.14076	9.05564	0.1047469	0.24122318	2.5557793	20	7 20.8	19.4
125703 2001 XY_{96}	15.7	X	229.80609	31.43785	306.33365	4.15814	0.2700979	0.23800882	2.5787387	20	3 15.9	20.2
125704 2001 XB_{97}	16.1	X	129.26095	127.74963	279.35480	5.28176	0.1226805	0.28264606	2.2995389	20	3 2.4	19.1
125705 2001 XD_{97}	15.7	X	325.61927	95.13915	345.83838	2.84054	0.1867069	0.26235018	2.4166577	20	—	—
125706 2001 XZ_{97}	14.6	X	290.39465	67.19727	284.08823	7.29176	0.1764702	0.24514713	2.5284334	20	6 17.1	17.7
125707 2001 XZ_{98}	15.6	X	56.49761	321.35042	85.35679	5.21245	0.1498926	0.26988255	2.3714803	20	—	—
125708 2001 XD_{99}	14.8	X	108.36342	44.18069	91.70188	12.55452	0.1298433	0.23358086	2.6112265	20	6 11.0	18.4
125709 2001 XG_{99}	15.8	X	54.20549	347.32590	99.75537	3.43077	0.1864944	0.27382138	2.3486834	20	1 11.3	17.6
125710 2001 XJ_{99}	15.0	X	104.74035	211.27826	284.78727	10.82364	0.1952565	0.23230670	2.6207658	20	6 14.7	18.9
125711 2001 XG_{100}	16.1	X	76.40605	81.51987	298.41155	4.61060	0.1703014	0.26925959	2.3751366	20	—	—
125712 2001 XO_{100}	16.3	X	21.07156	133.33841	314.66523	3.33550	0.2186731	0.26925549	2.3751607	20	—	—
125713 2001 XP_{100}	15.8	X	339.97017	154.35701	286.63351	4.69276	0.0816033	0.26121166	2.4236748	20	—	—
125714 2001 XS_{100}	15.6	X	76.31520	57.58693	69.67286	3.92407	0.1497999	0.22761281	2.6566739	20	4 22.6	18.8
125715 2001 XZ_{100}	15.9	X	97.06629	311.55390	64.68568	6.37063	0.1521538	0.27271727	2.3550183	20	—	—
125716 2001 XT_{101}	15.4	X	177.19832	65.56884	46.91104	3.49856	0.0809480	0.24152677	2.5536372	20	7 24.9	19.1
125717 2001 XU_{101}	15.4	X	107.33474	207.08003	65.35827	4.39668	0.1464071	0.30851542	2.1691261	20	12 15.5	18.7
125718 Jemasalomon	15.5	X	358.31691	33.87956	318.28751	3.87979	0.1131113	0.25445567	2.4663874	20	10 29.7	18.1
125719 2001 XQ_{105}	16.7	X	24.41529	197.92970	231.87639	3.26613	0.1236851	0.26814994	2.3816846	20	—	—
125720 2001 XK_{106}	16.1	X	353.45643	63.56580	17.34844	6.84214	0.0889517	0.26809957	2.3819829	20	—	—
125721 2001 XS_{106}	15.5	X	34.48762	123.91193	286.29017	7.19115	0.1467233	0.21645470	2.7472069	20	—	—
125722 2001 XL_{107}	16.6	X	148.92608	220.17027	96.39891	3.64784	0.1768088	0.27389944	2.3482372	20	—	—
125723 2001 XA_{108}	15.4	X	273.41788	228.39475	277.03877	9.95350	0.1857213	0.26206164	2.4184312	20	—	—
125724 2001 XK_{108}	16.1	X	175.03879	220.00427	254.70927	3.70109	0.1349233	0.24108940	2.5567247	20	7 22.7	20.0
125725 2001 XA_{109}	16.1	X	244.61780	276.64703	49.23374	6.65581	0.1293546	0.28472230	2.2883462	20	3 24.7	19.3
125726 2001 XQ_{110}	16.2	X	317.89166	139.28860	84.33432	6.91824	0.0686056	0.28601060	2.2814693	20	2 14.9	18.9
125727 2001 XC_{111}	16.6	X	302.99923	113.65987	97.25675	6.08302	0.1162925	0.27772622	2.3266165	20	—	—
125728 2001 XJ_{111}	16.6	X	348.07508	318.41543	212.34537	2.95399	0.1000765	0.27601446	2.3362259	20	1 10.9	19.3
125729 2001 XM_{111}	15.1	X	267.62101	249.91858	118.58639	11.56935	0.0162526	0.18954402	3.0014376	20	7 2.1	19.2
125730 2001 XV_{111}	16.2	X	174.44983	262.51735	135.11632	8.24015	0.1211979	0.28771149	2.2724687	20	4 15.4	19.6
125731 2001 XK_{112}	15.9	X	108.54997	228.14067	203.34212	5.29882	0.0845104	0.22856187	2.6493145	20	3 10.3	19.6
125732 2001 XN_{112}	16.1	X	208.88977	189.90495	190.16356	3.68354	0.1975065	0.29167834	2.2518179	20	4 22.6	19.5
125733 2001 XO_{113}	16.4	X	116.23466	226.53613	125.58198	5.54993	0.1736130	0.27355732	2.3501946	20	—	—
125734 2001 XZ_{114}	16.3	X	21.09349	146.37770	319.17268	6.15411	0.0679050	0.27165265	2.3611673	20	—	—
125735 2001 XD_{115}	16.1	X	353.14947	111.69948	49.12376	5.70854	0.1126419	0.27375868	2.3490420	20	1 4.8	18.6
125736 2001 XJ_{115}	15.4	X	45.88170	318.24376	15.24839	4.09702	0.2347753	0.25889121	2.4381355	20	12 30.7	18.9
125737 2001 XB_{116}	15.2	X	71.27330	45.61084	88.14298	15.86303	0.0681843	0.22775997	2.6555294	20	4 18.9	18.9
125738 2001 XE_{116}	15.7	X	52.35645	109.12692	354.41338	5.54742	0.1172074	0.27471464	2.3435893	20	1 29.1	17.9
125739 2001 XH_{116}	15.7	X	228.57389	0.14181	359.00212	3.91021	0.1868237	0.28829542	2.2693992	20	4 12.7	19.1
125740 2001 XD_{117}	15.8	X	263.43292	9.47477	340.15660	4.68045	0.1780404	0.29140867	2.2532069	20	5 6.4	18.9
125741 2001 XG_{117}	15.7	X	152.80598	63.28855	330.58008	6.02625	0.1231849	0.28107006	2.3081267	20	3 13.5	18.9
125742 2001 XT_{117}	15.1	X	3.43621	153.86107	98.20426	26.10455	0.2560592	0.28506006	2.2865382	20	6 20.3	16.0
125743 2001 XE_{118}	15.9	X	239.09742	328.85128	67.06017	7.48686	0.1301301	0.23968821	2.5666793	20	6 17.8	19.7
125744 2001 XY_{118}	15.3	X	72.01813	154.29784	341.51971	11.27751	0.2104050	0.22501238	2.6771032	20	5 1.5	18.8
125745 2001 XF_{119}	15.3	X	89.42257	331.13684	100.20682	15.91692	0.0642150	0.22073409	2.7115843	20	2 17.4	19.0
125746 2001 XJ_{119}	16.0	X	145.95318	66.62110	52.16371	4.48329	0.2191218	0.23465592	2.6032450	20	7 3.4	20.3
125747 2001 XT_{120}	16.6	X	49.93603	85.41288	97.27233	5.70836	0.0171632	0.29228183	2.2487172	20	5 9.6	19.2
125748 2001 XH_{121}	16.1	X	220.74112	116.75780	210.27688	6.28504	0.0993989	0.23407779	2.6075296	20	3 1.9	20.2
125749 2001 XT_{121}	16.2	X	54.14000	289.38788	230.73734	5.62408	0.1076141	0.28722193	2.2750502	20	4 21.5	18.3
125750 2001 XJ_{122}	16.6	X	265.76311	29.50561	130.62547	1.18027	0.1506372	0.26445917	2.4037924	20	—	—
125751 2001 XQ_{122}	15.4	X	168.36471	218.33266	78.06043	3.56550	0.0165702	0.21961084	2.7208225	20	—	—
125752 2001 XD_{123}	15.9	X	205.87049	125.23101	95.18239	7.84838	0.1163161	0.26607613	2.3940439	20	—	—
125753 2001 XX_{123}	16.5	X	272.49211	54.06231	183.51131	1.49199	0.0986871	0.27883872	2.3204239	20	1 1.1	19.8
125754 2001 XG_{127}	16.1	X	27.18784	345.24808	234.74901	1.74674	0.0726028	0.23932088	2.5693050	20	6 2.4	18.9
125755 2001 XY_{127}	16.6	X	345.20656	303.38019	237.81053	4.12257	0.1326267	0.27876191	2.3208501	20	1 15.2	19.0
125756 2001 XU_{128}	16.5	X	71.12822	39.67066	170.44601	1.79633	0.0889162	0.29678423	2.2259163	20	8 1.8	18.9
125757 2001 XA_{129}	15.9	X	281.24321	231.38142	147.58444	2.82172	0.0900457	0.19478495	2.9473550	20	7 22.9	19.7
125758 2001 XY_{129}	16.0	X	72.29503	24.62633	243.27203	4.27685	0.0865219	0.25384152	2.4703640	20	10 16.7	19.4
125759 2001 XH_{130}	16.1	X	59.60600	318.56864	228.10404	3.82710	0.0247027	0.23906728	2.5711217	20	5 29.9	19.4
125760 2001 XN_{131}	16.7	X	78.93876	287.47975	76.97773	1.71777	0.0254762	0.26886846	2.3774395	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125761 2001 XQ_{131}	16.2	X	237.54918	100.88851	72.78673	7.18859	0.0413220	0.26305086	2.4123643	20	—	—
125762 2001 XY_{134}	16.0	X	200.33948	104.86009	83.21946	8.00131	0.0747467	0.25864947	2.4396545	20	11 30.8	19.2
125763 2001 XC_{136}	16.4	X	356.51414	178.40203	114.40629	2.47096	0.1687099	0.30019648	2.2090166	20	8 11.4	17.6
125764 2001 XG_{136}	15.7	X	280.86994	176.81814	87.48658	10.47798	0.1108836	0.28321560	2.2964550	20	2 16.4	18.9
125765 2001 XO_{136}	15.8	X	290.77065	256.12402	85.23755	3.90399	0.1936331	0.24566733	2.5248628	20	5 31.7	18.6
125766 2001 XS_{136}	15.9	X	75.52642	339.87725	242.06242	3.17347	0.0457913	0.24547940	2.5261512	20	8 12.1	19.1
125767 2001 XZ_{136}	15.9	X	54.90162	53.40680	77.50741	3.42481	0.0269572	0.22921754	2.6442600	20	3 10.9	19.4
125768 2001 XD_{137}	16.0	X	117.44856	51.82557	95.07252	4.44666	0.0829494	0.23965453	2.5669197	20	6 30.7	19.4
125769 2001 XY_{137}	15.9	X	222.17289	130.68684	106.04202	4.53315	0.1862139	0.26858074	2.3791371	20	—	—
125770 2001 XA_{138}	15.7	X	113.86108	28.89976	88.13822	15.05098	0.0189544	0.23607355	2.5928128	20	5 12.7	19.3
125771 2001 XM_{138}	15.9	X	133.39772	166.24543	105.96896	7.80908	0.0993122	0.26244217	2.4160930	20	12 31.8	19.4
125772 2001 XY_{138}	15.0	X	183.66925	272.83033	89.91000	11.39874	0.0134847	0.17630104	3.1499196	20	3 19.1	19.7
125773 2001 XA_{140}	16.2	X	25.04388	50.16359	84.48572	7.30447	0.0515028	0.27801476	2.3250064	20	1 24.9	18.7
125774 2001 XJ_{140}	15.8	X	349.10828	109.18147	122.35562	3.16055	0.0391229	0.23415659	2.6069446	20	4 20.7	19.1
125775 2001 XQ_{140}	16.2	X	323.46660	168.77395	96.53429	5.90539	0.1439230	0.28921475	2.2645874	20	4 12.7	18.4
125776 2001 XX_{140}	16.3	X	31.46743	30.75876	169.31654	1.74997	0.0137865	0.23740837	2.5830850	20	5 7.5	19.6
125777 2001 XV_{143}	16.6	X	176.34794	4.26122	105.88654	2.41145	0.0541063	0.24381489	2.5376355	20	7 20.6	19.9
125778 2001 XV_{144}	16.3	X	304.82476	340.93779	230.93148	5.46762	0.0557300	0.27740855	2.3283923	20	1 11.7	19.4
125779 2001 XL_{145}	15.3	X	181.53389	252.30109	86.27577	15.86199	0.1369759	0.22759408	2.6568197	20	2 14.1	19.7
125780 2001 XM_{145}	16.7	X	100.25098	274.87178	84.47099	3.04043	0.1502746	0.27215056	2.3582865	20	—	—
125781 2001 XO_{145}	16.3	X	60.75100	135.74753	256.73139	5.42425	0.1257432	0.27024866	2.3693380	20	—	—
125782 2001 XW_{146}	17.2	X	143.39753	292.68351	63.50298	0.82561	0.1922472	0.27856976	2.3219172	20	1 24.1	20.3
125783 2001 XD_{147}	15.5	X	151.76850	246.60963	110.23729	2.83809	0.1501247	0.22587436	2.6702880	20	2 4.9	19.5
125784 2001 XZ_{147}	15.9	X	97.67092	194.27151	190.87897	2.58474	0.0965637	0.22094582	2.7098517	20	—	—
125785 2001 XX_{148}	16.2	X	54.78696	254.06811	98.73147	7.24191	0.1329597	0.26400312	2.4065599	20	—	—
125786 2001 XR_{150}	16.0	X	31.05112	293.45456	88.58648	10.37071	0.1030180	0.26400064	2.4065750	20	—	—
125787 2001 XY_{150}	15.6	X	86.58745	278.25831	259.23240	11.43281	0.1353848	0.23777937	2.5803974	20	7 9.2	19.3
125788 2001 XH_{151}	15.9	X	212.21908	96.91991	251.70939	1.71175	0.1383367	0.23337198	2.6127844	20	3 20.2	20.1
125789 2001 XY_{151}	16.2	X	303.53169	222.37813	82.30759	6.44653	0.1420968	0.23950468	2.5679903	20	5 9.2	19.3
125790 2001 XB_{152}	16.3	X	336.64558	355.49397	81.45606	5.55714	0.0956932	0.26267297	2.4146774	20	—	—
125791 2001 XJ_{152}	16.1	X	328.82054	170.07454	215.23227	1.91385	0.1390787	0.25547735	2.4598075	20	10 28.1	18.0
125792 2001 XL_{152}	16.0	X	124.94453	287.39930	249.37806	8.01737	0.0998265	0.24401946	2.5362170	20	8 16.6	19.9
125793 2001 XC_{153}	16.2	X	22.22649	208.30566	144.80945	2.05185	0.1950493	0.25996695	2.4314049	20	12 23.0	19.2
125794 2001 XV_{153}	15.9	X	117.88447	253.04040	67.42344	1.47888	0.0655501	0.21337347	2.7735911	20	—	—
125795 2001 XW_{153}	15.5	X	237.10767	150.48533	250.70479	0.59872	0.1974746	0.19036022	2.9928520	20	6 14.9	20.2
125796 2001 XH_{154}	16.0	X	33.92605	62.06448	262.67880	4.05652	0.0648385	0.25506935	2.4624298	20	11 8.9	19.0
125797 2001 XN_{155}	16.2	X	13.64395	340.65923	118.46325	3.49034	0.1527484	0.27038272	2.3685548	20	—	—
125798 2001 XY_{155}	16.5	X	81.06337	85.89080	267.16800	2.52944	0.1961437	0.26833095	2.3806134	20	—	—
125799 2001 XU_{156}	15.4	X	271.25118	149.13218	244.08637	1.65943	0.1448607	0.24727540	2.5139045	20	7 23.5	18.4
125800 2001 XX_{156}	16.1	X	184.13306	153.09952	271.29819	2.79461	0.2408129	0.23873426	2.5735121	20	5 27.4	20.6
125801 2001 XO_{157}	15.4	X	104.78367	257.93413	99.27594	7.93455	0.1385166	0.27141954	2.3625190	20	—	—
125802 2001 XS_{157}	15.8	X	140.27075	113.79466	242.12081	5.95076	0.1370976	0.27648047	2.3336000	20	1 12.5	18.9
125803 2001 XF_{158}	16.2	X	83.44025	252.89271	89.57540	4.09488	0.2343498	0.26732626	2.3865744	20	—	—
125804 2001 XQ_{158}	16.7	X	25.24746	321.16762	112.56193	2.38205	0.0447722	0.26857864	2.3791495	20	—	—
125805 2001 XR_{158}	17.3	X	145.11413	289.44073	111.88739	3.40562	0.1752088	0.28360763	2.2943382	20	3 23.0	20.6
125806 2001 XC_{159}	16.3	X	68.04055	146.82480	256.68472	5.03133	0.1155806	0.27157085	2.3616414	20	—	—
125807 2001 XB_{160}	15.9	X	260.40532	66.07765	245.84975	5.72650	0.1436610	0.28642351	2.2792761	20	3 16.0	19.2
125808 2001 XR_{160}	16.0	X	321.68049	23.19723	257.86403	3.53928	0.1373606	0.29184063	2.2509830	20	4 30.3	18.3
125809 2001 XA_{161}	15.7	X	188.75509	262.59098	97.06755	8.47559	0.0260098	0.22993320	2.6387703	20	3 14.9	19.5
125810 2001 XF_{162}	16.4	X	286.49775	12.18307	243.05545	5.53014	0.1089406	0.28123102	2.3072460	20	2 5.7	19.5
125811 2001 XP_{162}	15.6	X	117.06741	331.91382	101.96273	4.17725	0.0902590	0.22990320	2.6389999	20	3 28.4	19.2
125812 2001 XD_{163}	16.3	X	134.55383	42.30849	97.24016	4.59287	0.0328633	0.24100026	2.5573551	20	7 7.2	19.8
125813 2001 XN_{164}	15.8	X	202.12696	16.25279	188.34521	2.32398	0.1446095	0.25884426	2.4384304	20	12 14.9	19.3
125814 2001 XQ_{164}	16.0	X	129.92531	181.24741	274.65267	2.91219	0.1350922	0.23415041	2.6069904	20	5 13.1	19.8
125815 2001 XD_{165}	15.7	X	252.05323	229.67721	99.78680	6.65555	0.1056090	0.23547004	2.5972412	20	4 12.7	19.5
125816 2001 XC_{166}	16.5	X	125.72086	207.57548	119.15127	3.62570	0.2005463	0.27104433	2.3646988	20	—	—
125817 2001 XO_{167}	15.9	X	51.05484	101.41065	107.29085	5.11985	0.1468304	0.23642587	2.5902363	20	7 5.9	18.9
125818 2001 XL_{168}	15.0	X	331.93783	130.58718	100.71255	15.32796	0.2169432	0.22791997	2.6542865	20	3 7.5	18.2
125819 2001 XO_{169}	16.1	X	260.49087	316.68171	229.55194	1.38682	0.1293076	0.26397812	2.4067119	20	—	—
125820 2001 XO_{170}	16.3	X	325.79685	107.75961	111.87182	3.06687	0.1665385	0.27990468	2.3145289	20	2 3.8	18.7
125821 2001 XU_{170}	16.6	X	202.70074	269.05729	82.98134	3.32362	0.1188404	0.28539077	2.2847715	20	3 14.3	19.9
125822 2001 XB_{171}	14.6	X	232.93750	225.25703	85.04143	16.05671	0.1830327	0.23024096	2.6364184	20	2 27.3	19.2
125823 2001 XD_{172}	16.7	X	103.10574	313.86815	92.59212	1.63307	0.1831797	0.27768388	2.3268529	20	2 9.6	19.4
125824 2001 XP_{172}	14.8	X	307.86204	73.05113	267.06258	12.68540	0.2234363	0.24560344	2.5253006	20	6 22.2	17.1
125825 2001 XQ_{173}	15.5	X	132.99490	354.06820	145.70652	0.88836	0.1204012	0.23824785	2.5770137	20	7 12.3	19.2
125826 2001 XU_{173}	15.5	X	206.53609	117.85383	238.50772	1.18330	0.2457373	0.23361277	2.6109888	20	3 22.9	19.9
125827 2001 XP_{174}	16.2	X	7.36995	134.65138	246.14674	2.36706	0.1923144	0.25992614	2.4316594	20	—	—
125828 2001 XT_{174}	16.2	X	264.98515	244.91121	171.53608	1.38521	0.1010341	0.24785856	2.5099598	20	8 23.8	19.3
125829 2001 XW_{174}	15.8	X	86.98218	62.85529	95.91817	3.95470	0.1247005	0.23384120	2.6092881	20	6 14.1	19.2
125830 2001 XG_{175}	15.6	X	138.28518	292.94895	135.94113	3.57682	0.0461626	0.23033774	2.6356798	20	4 10.6	19.3
125831 2001 XU_{176}	15.9	X	233.81333	204.43080	162.08492	1.14760	0.1557535	0.23723517	2.5843421	20	5 2.7	19.7
125832 2001 XG_{177}	16.8	X	65.78019	307.92062	119.55469	7.67625	0.0518444	0.27257177	2.3558563	20	—	—
125833 2001 XW_{179}	14.8	X	171.93114	259.57899	107.92425	21.87976	0.2014396	0.22867060	2.6484747	20	3 17.7	19.6
125834 2001 XA_{180}	15.5	X	22.24956	165.35793	189.06176	2.07534	0.2039484	0.25782748	2.4448370	20	12 25.5	18.6
125835 2001 XJ_{180}	16.1	X	53.69586	337.94147	128.13078	6.08428	0.1336425	0.27577122	2.3375994	20	2 3.9	18.0
125836 2001 XL_{180}	16.2	X	248.79041	15.67697	231.57373	4.49401	0.1899861	0.26972179	2.3724224	20	—	—
125837 2001 XZ_{180}	17.1	X	108.91154	283.85755	145.69342	1.87998	0.2069866	0.28052850	2.3110964	20	3 23.2	19.9
125838 2001 XC_{181}	16.7	X	339.65887	278.39222	216.51140	1.88396	0.1668225	0.26766434	2.3845643	20	—	—
125839 2001 XX_{181}	16.4	X	145.66971	212.89839	256.41765	2.81336	0.2039882	0.23594298	2.5937693	20	6 20.3	20.5
125840 2001 XB_{182}	15.6	X	355.82064	269.53657	128.59209	5.40810	0.1837949	0.25966934	2.4332623	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125841 2001 XO_{182}	15.5	X	138.45715	71.29658	273.99744	10.95148	0.2120758	0.27321941	2.3521319	20	1 7.3	18.8
125842 2001 XQ_{182}	15.1	X	223.33846	351.03281	269.62506	7.96458	0.1624538	0.21458181	2.7631690	20	—	—
125843 2001 XD_{183}	16.4	X	310.46651	320.08240	105.00975	3.55972	0.1734687	0.25595234	2.4567633	20	11 20.5	18.3
125844 2001 XF_{183}	16.7	X	84.88397	174.09654	184.17380	1.16842	0.1873916	0.26695681	2.3887757	20	—	—
125845 2001 XO_{183}	14.7	X	287.95770	16.43874	226.11006	3.38218	0.0537597	0.16842344	3.2473893	20	2 14.8	19.3
125846 2001 XR_{183}	15.9	X	6.46910	181.70578	249.04555	5.15712	0.1061693	0.26404254	2.4063204	20	—	—
125847 2001 XT_{183}	16.4	X	276.59281	333.92505	186.84471	3.46233	0.1502646	0.26099582	2.4250108	20	—	—
125848 2001 XE_{184}	16.0	X	334.73568	185.83988	226.31137	3.44802	0.1765502	0.25785292	2.4446762	20	12 23.3	18.2
125849 2001 XH_{184}	17.1	X	14.62878	224.50055	186.14412	2.75612	0.2217195	0.26417862	2.4054939	20	—	—
125850 2001 XM_{184}	15.9	X	190.29354	283.64379	121.72272	5.69498	0.1462607	0.23508367	2.6000862	20	5 11.8	20.0
125851 2001 XC_{185}	16.7	X	40.36689	314.12923	95.84692	3.46527	0.1997823	0.26892369	2.3771140	20	—	—
125852 2001 XF_{186}	15.8	X	251.67355	224.26770	119.52581	5.95845	0.0795241	0.23533526	2.5982327	20	5 3.2	19.4
125853 2001 XC_{187}	16.2	X	168.39254	184.75796	102.25529	5.12696	0.1179995	0.26644972	2.3918056	20	—	—
125854 2001 XN_{187}	16.1	X	247.14362	114.97580	142.79936	4.82505	0.0742106	0.27268681	2.3551937	20	1 1.5	19.5
125855 2001 XS_{187}	15.9	X	15.75284	23.24037	169.53861	1.70601	0.0584356	0.22827003	2.6515721	20	4 6.4	19.0
125856 2001 XR_{188}	15.3	X	277.37079	98.31408	264.60379	4.52740	0.2885842	0.24456216	2.5324636	20	5 28.1	18.9
125857 2001 XX_{188}	15.7	X	293.30947	211.21661	222.06557	4.34276	0.1093675	0.20003382	2.8955679	20	10 18.9	19.1
125858 2001 XO_{189}	16.1	X	26.17810	235.73898	126.36311	6.53495	0.1441084	0.25825252	2.4421538	20	12 31.7	19.2
125859 2001 XV_{189}	16.6	X	327.15847	349.36720	177.20402	2.32526	0.1229860	0.26945561	2.3739846	20	—	—
125860 2001 XZ_{189}	15.9	X	179.88881	153.67035	273.75030	10.79098	0.1566877	0.23614551	2.5922860	20	5 27.4	20.2
125861 2001 XE_{190}	15.8	X	59.65165	310.76382	136.56191	5.51153	0.0819164	0.22005194	2.7171852	20	1 25.0	19.0
125862 2001 XA_{191}	16.0	X	260.17326	112.86912	278.70212	4.70108	0.1387538	0.24303536	2.5430589	20	7 6.9	19.4
125863 2001 XK_{191}	15.6	X	328.62751	299.19561	108.06359	24.31437	0.2076583	0.25667630	2.4521415	20	12 10.8	17.9
125864 2001 XR_{191}	16.0	X	292.45362	274.70894	246.98417	1.41217	0.1344907	0.26331736	2.4107364	20	—	—
125865 2001 XW_{191}	16.4	X	68.71945	258.71771	146.19323	4.11351	0.1441854	0.27014215	2.3699607	20	—	—
125866 2001 XZ_{191}	16.0	X	5.18610	359.96167	119.33309	5.54083	0.1745351	0.26930488	2.3748703	20	—	—
125867 2001 XA_{192}	16.7	X	268.93423	357.69099	161.42610	2.61248	0.1609517	0.25927120	2.4357527	20	—	—
125868 2001 XF_{192}	15.6	X	201.87030	278.00052	145.16864	2.66895	0.1695182	0.23874483	2.5734362	20	6 12.1	19.6
125869 2001 XW_{193}	16.1	X	252.53656	229.38188	173.39978	2.19682	0.1119382	0.24256220	2.5463649	20	7 16.1	19.5
125870 2001 XW_{194}	15.4	X	245.66859	110.54221	276.53125	11.65943	0.1548709	0.23998267	2.5645793	20	6 10.9	19.1
125871 2001 XA_{195}	16.4	X	329.44022	207.73250	187.64942	2.01348	0.1943325	0.25451856	2.4659811	20	11 17.0	18.1
125872 2001 XB_{195}	15.6	X	65.15720	177.46973	180.54215	2.67362	0.2126493	0.26323653	2.4112299	20	—	—
125873 2001 XF_{195}	15.3	X	89.98043	214.95659	280.78206	13.02320	0.0910147	0.22998790	2.6383519	20	5 9.6	19.1
125874 2001 XC_{196}	15.7	X	221.63137	302.69581	112.42987	4.83333	0.0610604	0.23869432	2.5737992	20	6 30.7	19.1
125875 2001 XJ_{196}	16.0	X	228.55666	107.49311	291.64235	5.85333	0.1589167	0.23909753	2.5709048	20	6 7.6	20.0
125876 2001 XT_{197}	16.6	X	79.91028	286.57845	118.01311	6.10826	0.1801103	0.27136270	2.3628489	20	—	—
125877 2001 XV_{197}	15.8	X	156.91147	175.64464	288.06079	12.71020	0.1179213	0.23523917	2.5989402	20	6 20.8	19.7
125878 2001 XR_{198}	15.7	X	9.98634	340.52870	117.80999	2.09989	0.1164731	0.21419595	2.7664864	20	—	—
125879 2001 XG_{199}	16.2	X	223.19094	296.79470	124.44318	4.97146	0.1112305	0.24072257	2.5593215	20	7 5.6	19.9
125880 2001 XF_{201}	16.2	X	179.31426	316.38359	105.87642	4.45813	0.0371815	0.23407151	2.6075762	20	5 21.1	19.7
125881 2001 XK_{202}	16.4	X	332.48420	5.64976	128.04224	4.92333	0.1851566	0.27089686	2.3655569	20	—	—
125882 2001 XN_{202}	16.1	X	331.88563	34.83729	111.44162	6.37833	0.0869469	0.27393470	2.3480356	20	—	—
125883 2001 XQ_{205}	15.9	X	154.67933	141.57286	217.65328	6.05535	0.1302726	0.28065156	2.3104207	20	1 30.7	19.3
125884 2001 XP_{207}	16.8	X	94.53572	285.36089	129.58960	3.83583	0.1935396	0.27856983	2.3219168	20	2 10.1	19.3
125885 2001 XE_{208}	15.8	X	204.89898	107.14636	214.89666	6.64196	0.1309637	0.28180602	2.3041064	20	2 3.4	19.3
125886 2001 XS_{208}	16.3	X	112.75087	255.52652	107.06091	7.50671	0.1247808	0.27397506	2.3478050	20	—	—
125887 2001 XH_{209}	15.7	X	28.25637	171.79883	208.94843	3.63768	0.2139240	0.26494467	2.4008549	20	—	—
125888 2001 XK_{209}	16.0	X	205.39721	251.37405	125.96240	4.56707	0.0921421	0.23588227	2.5942143	20	4 22.6	19.8
125889 2001 XM_{209}	16.2	X	159.94369	330.47611	103.22028	12.77161	0.1624635	0.23643397	2.5901771	20	5 20.8	20.5
125890 2001 XD_{210}	15.4	X	24.49758	292.22129	245.28886	13.22951	0.0939953	0.22913475	2.6448969	20	3 24.9	18.7
125891 2001 XL_{210}	16.5	X	178.26228	260.30037	117.92940	5.66904	0.1655374	0.28597815	2.2816419	20	3 25.7	20.0
125892 2001 XL_{212}	16.8	X	110.26923	237.88302	141.80912	3.55229	0.1787099	0.27633194	2.3344361	20	1 12.7	19.3
125893 2001 XM_{212}	16.3	X	33.97118	202.46547	228.65329	7.19588	0.1520091	0.27051783	2.3677660	20	—	—
125894 2001 XU_{212}	15.9	X	277.95819	304.17491	166.51971	5.52070	0.1086296	0.25666425	2.4522183	20	11 30.7	18.6
125895 2001 XX_{212}	15.6	X	334.20465	273.08057	137.00938	8.23956	0.1076761	0.25743891	2.4472965	20	12 13.3	18.3
125896 2001 XG_{213}	16.5	X	11.77579	276.96236	169.08973	4.99099	0.1247448	0.26722029	2.3872053	20	—	—
125897 2001 XK_{214}	16.4	X	52.67134	244.45822	196.02010	3.78363	0.1528464	0.27370198	2.3493664	20	—	—
125898 2001 XU_{215}	16.1	X	307.68080	231.51580	79.29656	3.14490	0.0789661	0.24173098	2.5521989	20	6 1.8	19.0
125899 2001 XT_{216}	16.6	X	142.30755	280.77777	64.82910	1.45983	0.1108351	0.27551886	2.3390266	20	—	—
125900 2001 XY_{216}	15.5	X	257.14515	243.81080	44.36583	12.10841	0.2167281	0.28150631	2.3057416	20	2 14.0	19.4
125901 2001 XE_{217}	16.1	X	339.46375	20.41075	93.57241	7.23273	0.0769927	0.26622281	2.3931645	20	—	—
125902 2001 XF_{218}	15.6	X	261.50071	198.00491	44.69392	14.46151	0.1300013	0.22712445	2.6604808	20	1 1.5	19.9
125903 2001 XM_{218}	16.7	X	103.64798	197.63905	9.97565	3.36808	0.1357084	0.30300237	2.1953581	20	9 16.9	19.8
125904 2001 XR_{218}	16.9	X	164.81545	336.39257	343.82751	1.22028	0.2091152	0.28007412	2.3135953	20	1 1.7	20.5
125905 2001 XV_{218}	15.6	X	21.63808	267.28521	257.04304	9.76301	0.1031392	0.23050182	2.6344289	20	3 1.7	18.9
125906 2001 XZ_{218}	16.6	X	155.54848	56.75406	51.81982	5.19729	0.1480110	0.24148374	2.5539406	20	6 26.4	20.6
125907 2001 XQ_{219}	16.8	X	173.38825	9.84149	350.85927	2.31985	0.0739521	0.28413030	2.2915237	20	2 19.7	19.9
125908 2001 XE_{220}	16.4	X	349.39771	72.47453	63.48300	3.56064	0.1056399	0.27396499	2.3478625	20	—	—
125909 2001 XM_{221}	15.8	X	276.46302	242.33599	51.04183	4.87758	0.1234327	0.23756413	2.5819558	20	3 21.9	19.5
125910 2001 XX_{221}	17.0	X	294.61998	159.90010	244.75394	1.65490	0.0825525	0.25464615	2.4651573	20	9 25.5	19.8
125911 2001 XO_{223}	15.5	X	219.51543	210.55393	54.71367	13.18534	0.2255470	0.27621802	2.3350779	20	—	—
125912 2001 XJ_{224}	16.2	X	194.30543	126.96956	65.23091	6.96954	0.0796447	0.25939964	2.4349486	20	11 27.9	19.3
125913 2001 XS_{225}	16.1	X	311.28358	173.48881	74.69259	0.73185	0.0629314	0.23274957	2.6174404	20	3 15.6	19.3
125914 2001 XY_{225}	15.9	X	46.97706	163.80334	64.13006	3.81346	0.1621188	0.29566039	2.2315534	20	8 6.4	18.2
125915 2001 XA_{227}	16.3	X	25.95991	105.97373	287.66125	5.73653	0.1573918	0.26633555	2.3924890	20	—	—
125916 2001 XE_{227}	15.5	X	36.04546	160.13766	62.82233	12.75635	0.0705095	0.24034697	2.5619871	20	6 19.9	18.7
125917 2001 XD_{228}	16.4	X	233.77902	272.85524	310.42157	3.76427	0.0975598	0.26921966	2.3753714	20	—	—
125918 2001 XG_{229}	16.4	X	56.24240	287.05969	35.99424	2.74571	0.1951125	0.26188754	2.4195030	20	12 24.2	20.0
125919 2001 XA_{230}	16.0	X	22.83772	256.30493	44.48716	1.21455	0.1283414	0.25221311	2.4809858	20	9 30.9	18.6
125920 2001 XE_{231}	15.7	X	35.32312	170.98311	19.06612	2.56861	0.1495585	0.23336098	2.6128665	20	5 11.2	18.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
125921 2001 XG_{231}	15.9	X	40.50733	160.16040	36.48465	3.49627	0.0804094	0.23623668	2.5916191	20	5 21.7	18.8
125922 2001 XR_{234}	15.8	X	312.75389	81.23790	59.35155	5.79386	0.1071463	0.21431280	2.7654808	20	—	—
125923 2001 XW_{235}	16.2	X	265.46363	339.96366	40.45345	2.82406	0.0686216	0.24483498	2.5305820	20	7 10.3	19.3
125924 2001 XG_{236}	16.1	X	69.04433	358.38103	3.75406	2.74036	0.1877713	0.26854028	2.3793761	20	—	—
125925 2001 XE_{237}	16.1	X	270.43815	46.62711	336.42192	1.65128	0.0755591	0.24588064	2.5234023	20	7 19.9	19.4
125926 2001 XM_{237}	16.7	X	320.69794	253.69344	340.08382	2.49315	0.0717536	0.28482649	2.2877881	20	3 1.3	19.4
125927 2001 XD_{238}	15.9	X	225.70535	41.88741	10.10942	1.34601	0.1252357	0.24251908	2.5466667	20	6 24.9	19.6
125928 2001 XE_{238}	16.0	X	281.49948	181.30179	291.56549	1.57831	0.1462744	0.25818522	2.4425781	20	12 4.8	18.4
125929 2001 XH_{238}	15.2	X	213.56198	51.84085	324.92098	3.78644	0.2533856	0.23848422	2.5753106	20	4 20.1	19.8
125930 2001 XP_{238}	15.8	X	101.24117	116.24515	283.64043	6.94352	0.1050530	0.27585535	2.3371241	20	1 15.5	18.3
125931 2001 XX_{238}	16.2	X	58.55467	352.04056	77.62850	6.71099	0.1045380	0.27298658	2.3534692	20	—	—
125932 2001 XE_{239}	16.0	X	23.84544	70.67206	28.65807	2.68981	0.1689308	0.27189336	2.3597735	20	—	—
125933 2001 XM_{239}	16.9	X	26.54143	36.39168	47.27062	1.98490	0.1489876	0.27021390	2.3695412	20	—	—
125934 2001 XP_{239}	16.0	X	353.50332	225.58264	310.31583	3.45402	0.2466456	0.27391771	2.3481327	20	1 5.5	18.0
125935 2001 XT_{239}	16.2	X	318.34175	41.15982	65.68528	4.57976	0.1052130	0.26229835	2.4169760	20	—	—
125936 2001 XX_{239}	16.5	X	334.92805	60.16985	43.16537	2.74974	0.1715007	0.26422253	2.4052274	20	—	—
125937 2001 XF_{240}	14.7	X	328.98981	120.91116	91.74652	13.64026	0.1274245	0.22368344	2.6876961	20	2 18.7	18.2
125938 2001 XP_{240}	15.8	X	85.31507	10.09688	69.63798	4.53797	0.0997727	0.22396091	2.6854757	20	2 25.7	19.2
125939 2001 XT_{240}	15.8	X	190.39105	348.79766	73.76696	5.04510	0.1361249	0.23753296	2.5821817	20	6 1.1	19.6
125940 2001 XU_{240}	16.6	X	270.89233	112.66529	347.55989	1.81834	0.1452562	0.25392647	2.4698130	20	10 27.3	19.4
125941 2001 XC_{241}	15.7	X	100.31265	32.07406	52.88382	4.12738	0.0687934	0.22685318	2.6626013	20	3 18.5	19.2
125942 2001 XG_{241}	15.1	X	126.63678	175.27227	267.20858	11.97372	0.2530950	0.22918646	2.6444991	20	5 1.8	19.5
125943 2001 XB_{243}	15.9	X	28.43817	302.34692	92.94844	10.54314	0.0516388	0.26339140	2.4102846	20	—	—
125944 2001 XC_{243}	16.8	X	349.79605	349.29425	137.59018	1.57902	0.1392841	0.26899107	2.3767170	20	—	—
125945 2001 XP_{243}	15.7	X	60.15179	276.60966	111.45297	6.41450	0.0793353	0.21194746	2.7860179	20	—	—
125946 2001 XJ_{245}	15.9	X	281.18671	255.52494	152.63181	6.23128	0.1167488	0.25356968	2.4721292	20	9 4.9	18.7
125947 2001 XX_{250}	16.7	X	9.84705	168.68931	191.34614	0.81004	0.1992686	0.25945230	2.4346191	20	12 15.4	19.4
125948 2001 XH_{251}	15.5	X	183.61441	305.89894	91.05102	5.94443	0.0722721	0.23433497	2.6056214	20	4 24.7	19.3
125949 2001 XF_{252}	16.3	X	108.08359	248.57113	106.82923	7.17666	0.1666880	0.27041941	2.3683405	20	—	—
125950 2001 XG_{252}	15.8	X	26.48625	284.71572	173.64672	3.19174	0.0521701	0.21739810	2.7392535	20	—	—
125951 2001 XF_{253}	15.9	X	272.85698	131.24809	287.81769	13.18249	0.1340864	0.24726637	2.5139657	20	8 27.2	19.3
125952 2001 XP_{258}	16.0	X	25.01670	52.44765	127.93079	6.14300	0.0936703	0.28585224	2.2823118	20	4 1.9	18.2
125953 2001 XH_{259}	16.6	X	147.86746	284.42804	127.99985	7.51457	0.0918004	0.28660212	2.2783290	20	4 3.3	19.7
125954 2001 XL_{259}	15.8	X	5.32351	279.78073	115.80530	12.48977	0.0659839	0.26254416	2.4154672	20	—	—
125955 2001 XO_{261}	15.9	X	117.08581	235.07509	106.89145	7.07281	0.1268862	0.22024937	2.7155612	20	—	—
125956 2001 XR_{262}	16.8	X	16.83606	90.54442	83.40124	4.37246	0.0876453	0.28393994	2.2925478	20	3 7.6	19.0
125957 2001 XE_{264}	16.9	X	94.11602	171.56672	124.48792	4.06503	0.1791330	0.31679469	2.1311668	20	—	—
125958 2001 XK_{264}	15.7	X	345.49339	184.85667	19.16563	6.03691	0.1114440	0.28280343	2.2986857	20	2 23.9	18.0
125959 2001 XL_{264}	16.2	X	225.88385	13.55287	312.08264	5.42673	0.2183224	0.28833589	2.2691868	20	2 26.3	20.0
125960 2001 XE_{265}	15.9	X	190.95530	200.03398	101.70502	2.73594	0.0746735	0.22211686	2.7003187	20	1 3.9	19.7
125961 2001 XP_{266}	15.7	X	274.38341	54.95948	284.42886	9.67618	0.1500521	0.23914803	2.5705429	20	5 10.8	19.5
125962 2001 YD_{6}	16.6	X	63.68331	8.04550	358.35587	1.03922	0.1949546	0.26581162	2.3956318	20	—	—
125963 2001 YO_{7}	16.1	X	163.27854	146.30861	77.36277	6.04967	0.0464997	0.25854129	2.4403350	20	12 4.9	19.5
125964 2001 YU_{7}	16.3	X	358.48181	125.90715	299.48473	5.14144	0.0715185	0.26564016	2.3966626	20	—	—
125965 2001 YX_{7}	16.3	X	183.33691	27.24220	301.79112	6.88637	0.1443566	0.28101445	2.3084313	20	1 25.1	19.6
125966 2001 YD_{11}	16.1	X	64.47259	254.05975	123.13429	5.89532	0.2256285	0.26641179	2.3920326	20	—	—
125967 2001 YG_{11}	15.9	X	281.66058	261.91104	267.86278	3.72934	0.1440800	0.26207769	2.4183325	20	—	—
125968 2001 YR_{11}	16.1	X	356.24341	323.27991	281.35591	6.24914	0.1234755	0.29206336	2.2498384	20	5 12.1	18.0
125969 2001 YL_{13}	16.2	X	274.14538	191.04994	74.83167	5.39516	0.1991378	0.28296505	2.2978104	20	1 30.1	19.7
125970 2001 YS_{15}	16.1	X	40.82478	212.76653	84.52644	6.12949	0.1989032	0.25327564	2.4740422	20	11 4.6	19.3
125971 2001 YW_{15}	16.2	X	158.30778	24.16790	312.20858	4.32190	0.1948099	0.27900281	2.3195140	20	1 14.6	19.5
125972 2001 YX_{15}	16.4	X	136.71162	189.71894	153.05423	2.76869	0.2362741	0.27597737	2.3364352	20	1 5.2	19.6
125973 2001 YA_{17}	16.9	X	134.08361	89.29444	273.12244	2.05531	0.1942760	0.27713468	2.3299260	20	1 21.9	20.1
125974 2001 YY_{18}	16.4	X	18.50747	114.96021	347.88251	4.74072	0.0790710	0.26958209	2.3732420	20	—	—
125975 2001 YD_{19}	15.9	X	291.01057	120.87133	284.85678	1.07235	0.0695147	0.19637636	2.9314101	20	9 13.3	19.7
125976 2001 YR_{20}	15.8	X	93.78634	287.18564	21.77273	5.75450	0.0496237	0.21133367	2.7914097	20	12 21.2	19.8
125977 2001 YF_{21}	17.0	X	339.02747	141.71871	345.42468	0.93693	0.1336359	0.26903932	2.3764328	20	—	—
125978 2001 YJ_{21}	15.6	X	246.12414	271.82644	75.20146	5.30677	0.1762352	0.23909437	2.5709274	20	4 20.0	19.6
125979 2001 YU_{21}	16.8	X	57.81075	230.98210	39.75616	4.50633	0.1196190	0.30646587	2.1787863	20	10 18.2	19.2
125980 2001 YV_{21}	15.6	X	270.71277	192.15987	52.88245	11.62388	0.1715831	0.22674522	2.6634464	20	1 10.7	19.9
125981 2001 YB_{22}	16.1	X	98.17338	263.11713	267.50740	6.85902	0.1217661	0.24094637	2.5577364	20	7 13.4	19.6
125982 2001 YC_{22}	16.3	X	293.85567	235.34356	10.66258	2.28764	0.0247003	0.23005263	2.6378570	20	2 24.9	19.7
125983 2001 YH_{25}	16.2	X	215.94582	317.79672	334.19823	3.71485	0.1113802	0.27915628	2.3186638	20	1 10.7	19.7
125984 2001 YM_{25}	15.5	X	312.49062	19.35142	270.02653	13.27751	0.1856608	0.24065439	2.5598048	20	4 17.3	18.8
125985 2001 YX_{25}	15.8	X	327.57304	233.47753	68.37707	6.23426	0.1487994	0.24453837	2.5326278	20	6 13.6	18.2
125986 2001 YF_{27}	16.0	X	73.99810	290.32908	274.54696	2.65269	0.0576231	0.24283631	2.5444483	20	7 19.9	19.4
125987 2001 YD_{29}	15.8	X	230.85461	30.58507	283.36482	2.04408	0.0531107	0.23119609	2.6291522	20	2 29.5	19.6
125988 2001 YX_{30}	15.5	X	169.07986	224.38469	80.52231	6.24617	0.0316785	0.21865389	2.7287552	20	—	—
125989 2001 YA_{31}	16.4	X	164.79473	231.15813	69.01523	3.96451	0.0538807	0.27098729	2.3650306	20	—	—
125990 2001 YE_{33}	15.7	X	251.35674	207.26424	295.96931	5.25163	0.0864785	0.25935779	2.4352106	20	12 6.4	18.7
125991 2001 YN_{34}	17.1	X	292.12642	156.12360	328.33662	0.62898	0.1344893	0.26237569	2.4165010	20	—	—
125992 2001 YR_{36}	16.1	X	26.34404	127.87289	41.55212	1.40093	0.1528970	0.28153184	2.3056021	20	3 17.8	17.8
125993 2001 YH_{37}	16.2	X	319.81672	250.95100	288.04268	1.46960	0.1458250	0.27318578	2.3523250	20	—	—
125994 2001 YR_{38}	16.1	X	349.93607	125.77530	41.74470	3.42148	0.1635661	0.27537914	2.3398177	20	—	—
125995 2001 YK_{39}	16.9	X	318.01220	94.07178	44.46650	2.77948	0.1339878	0.26737119	2.3863070	20	—	—
125996 2001 YZ_{40}	16.2	X	141.19107	142.05324	329.36669	1.92328	0.1108149	0.23792881	2.5793168	20	6 13.1	19.9
125997 2001 YH_{42}	16.2	X	17.06031	125.02969	358.10297	2.75102	0.1194374	0.27425987	2.3461794	20	—	—
125998 2001 YR_{44}	15.8	X	126.40697	121.08993	53.37456	6.38691	0.0453693	0.24484383	2.5305210	20	8 18.1	19.4
125999 2001 YF_{45}	15.8	X	110.58675	32.12292	62.38778	6.46496	0.1283261	0.23131282	2.6282676	20	4 21.1	19.4
126000 2001 YS_{45}	16.0	X	180.40772	17.11490	74.64575	4.75759	0.0616614	0.24118731	2.5560327	20	6 30.2	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126001 2001 YE_{46}	15.7	X	209.26556	85.32359	275.70327	7.55898	0.0483442	0.23319582	2.6141001	20	4 1.5	19.5
126002 2001 YL_{46}	16.1	X	74.17241	23.75251	75.07458	7.65807	0.0588191	0.27992139	2.3144368	20	2 22.9	18.8
126003 2001 YY_{46}	16.3	X	147.07105	83.61173	29.35967	3.80267	0.0879979	0.23883646	2.5727779	20	6 20.3	20.0
126004 2001 YB_{48}	16.2	X	280.84581	266.10248	289.53692	1.50181	0.1428974	0.26914938	2.3757850	20	—	—
126005 2001 YT_{49}	16.1	X	252.19340	169.33558	340.87012	2.13574	0.1415009	0.25859437	2.4400010	20	12 8.7	18.7
126006 2001 YS_{50}	15.8	X	44.99130	21.82025	318.04232	2.20646	0.2399561	0.26199498	2.4188414	20	—	—
126007 2001 YM_{51}	15.9	X	40.75271	336.65070	5.65707	1.78982	0.2300990	0.26149893	2.4218994	20	—	—
126008 2001 YN_{51}	15.8	X	94.67903	253.40401	295.09571	3.26070	0.0873390	0.24105415	2.5569739	20	7 29.3	19.4
126009 2001 YQ_{51}	15.8	X	252.10334	73.61091	307.85981	2.33398	0.0366793	0.24167830	2.5525697	20	6 27.8	19.2
126010 2001 YC_{52}	15.6	X	248.89131	49.47924	293.83077	5.93191	0.1162282	0.23711987	2.5851798	20	4 19.5	19.5
126011 2001 YE_{52}	16.9	X	35.34855	148.68323	283.67945	3.80714	0.1057729	0.27062115	2.3671633	20	—	—
126012 2001 YT_{53}	15.8	X	277.46430	245.73379	286.72862	5.50366	0.1302843	0.26500681	2.4004796	20	—	—
126013 2001 YV_{55}	16.5	X	42.62164	164.81335	278.43930	4.97387	0.1306172	0.27351702	2.3504254	20	—	—
126014 2001 YV_{57}	16.3	X	102.98468	253.11854	67.02128	3.29159	0.2053763	0.26685115	2.3894063	20	—	—
126015 2001 YZ_{58}	15.8	X	198.14214	357.33651	35.34677	3.48751	0.0262482	0.23572718	2.5953521	20	5 3.9	19.2
126016 2001 YD_{59}	16.4	X	245.01541	2.89867	302.93051	4.00112	0.1444565	0.28445216	2.2897948	20	2 22.8	19.7
126017 2001 YY_{59}	16.2	X	348.10134	147.09172	358.25575	2.93912	0.1127707	0.27202028	2.3590394	20	—	—
126018 2001 YE_{60}	14.9	X	272.06050	55.39581	283.99300	13.85083	0.1599928	0.24026424	2.5625753	20	5 4.9	18.7
126019 2001 YA_{61}	15.4	X	272.24361	242.88113	88.43773	16.08803	0.1825219	0.23900894	2.5715400	20	5 2.1	19.3
126020 2001 YD_{61}	16.1	X	343.40675	324.58226	38.27900	3.27973	0.1903967	0.25468231	2.4649240	20	10 28.1	17.8
126021 2001 YG_{61}	16.2	X	101.43521	22.33736	0.55184	2.48794	0.2228857	0.27534158	2.3400305	20	1 12.5	18.6
126022 2001 YU_{61}	16.1	X	255.23618	145.97448	83.56895	7.56193	0.0951256	0.27065724	2.3669529	20	—	—
126023 2001 YX_{61}	15.9	X	115.82167	99.08599	83.62587	7.57503	0.1259069	0.24203119	2.5500880	20	8 23.2	19.8
126024 2001 YY_{62}	16.2	X	212.07461	181.44055	63.58099	6.11045	0.0205652	0.26739823	2.3861461	20	—	—
126025 2001 YG_{63}	15.5	X	191.20806	297.77335	84.81435	5.84187	0.0903709	0.23308457	2.6149318	20	4 14.9	19.4
126026 2001 YP_{63}	16.1	X	291.65159	230.57216	277.99641	1.30818	0.1239130	0.26348804	2.4096952	20	—	—
126027 2001 YW_{63}	16.4	X	96.04141	178.14055	293.84860	2.75462	0.0343153	0.28388901	2.2928219	20	4 4.3	19.1
126028 2001 YC_{64}	16.9	X	119.84952	320.59424	61.72155	1.21003	0.2578276	0.27825363	2.3236756	20	2 9.7	20.0
126029 2001 YQ_{64}	16.5	X	125.51585	14.99536	17.06821	2.98847	0.2087081	0.27957221	2.3163635	20	2 22.7	19.5
126030 2001 YM_{65}	15.8	X	13.54543	308.90446	78.73664	7.18340	0.1161125	0.26087789	2.4257416	20	—	—
126031 2001 YH_{66}	15.5	X	152.30725	86.33888	14.66460	2.23351	0.1323022	0.23680396	2.5874785	20	6 12.4	19.4
126032 2001 YP_{66}	16.1	X	114.03708	340.93243	31.67552	3.10646	0.2251532	0.27541580	2.3396100	20	1 16.9	18.9
126033 2001 YG_{67}	15.7	X	224.35733	317.62500	0.87454	2.80352	0.1363817	0.28151812	2.3056771	20	2 20.9	19.3
126034 2001 YL_{67}	16.5	X	123.54188	14.60394	7.27187	2.34682	0.2317632	0.27805966	2.3247561	20	2 10.1	19.7
126035 2001 YY_{67}	15.1	X	83.65648	303.54224	284.88283	11.99898	0.1411858	0.24335818	2.5408094	20	9 8.3	18.9
126036 2001 YX_{68}	16.4	X	36.73044	264.73515	75.18564	4.30158	0.0316547	0.25560538	2.4589860	20	11 28.9	19.3
126037 2001 YA_{69}	15.5	X	358.24454	79.59966	79.23298	5.57930	0.0305678	0.22193388	2.7018028	20	1 30.0	19.1
126038 2001 YK_{69}	16.5	X	306.98892	185.87027	333.32822	0.72072	0.1271267	0.26644412	2.3918391	20	—	—
126039 2001 YS_{69}	16.4	X	347.20111	134.28861	37.18806	2.69871	0.1787966	0.27323014	2.3520704	20	—	—
126040 2001 YW_{69}	16.0	X	313.93948	30.69078	55.33335	3.36466	0.0252384	0.25852038	2.4404665	20	12 26.1	19.0
126041 2001 YQ_{70}	16.4	X	211.11352	172.09877	45.81058	1.99475	0.1333528	0.26036961	2.4288975	20	—	—
126042 2001 YB_{71}	15.1	X	319.29322	326.94370	282.44494	14.32168	0.0949766	0.22872382	2.6480638	20	3 15.1	18.8
126043 2001 YE_{71}	15.4	X	227.50619	66.48668	290.10037	2.26167	0.2466548	0.23635403	2.5907611	20	4 7.4	19.9
126044 2001 YU_{71}	15.3	X	108.45566	286.32939	86.21356	14.08336	0.1917732	0.21984631	2.7188793	20	1 14.1	19.0
126045 2001 YD_{72}	16.4	X	310.75527	14.85930	29.14304	3.49495	0.1799116	0.25394812	2.4696726	20	10 17.1	18.5
126046 2001 YH_{72}	16.6	X	1.55672	62.91380	3.19144	2.35731	0.1707853	0.26403029	2.4063948	20	—	—
126047 2001 YW_{72}	15.9	X	176.74834	11.06733	93.28706	4.98002	0.1176633	0.24008474	2.5638524	20	7 12.1	19.7
126048 2001 YZ_{72}	16.2	X	106.62231	8.18949	81.91138	5.38054	0.0637462	0.22811365	2.6527839	20	4 2.4	19.8
126049 2001 YO_{74}	15.1	X	346.06282	270.96357	281.04469	14.54631	0.1084693	0.22494719	2.6776204	20	2 9.6	18.6
126050 2001 YW_{74}	16.3	X	258.34019	202.15606	61.10054	1.21104	0.0599229	0.27727440	2.3291433	20	1 22.4	19.2
126051 2001 YL_{75}	15.7	X	288.28646	25.85371	19.37912	1.69294	0.0824614	0.19669609	2.9282325	20	9 8.2	19.3
126052 2001 YS_{75}	16.5	X	16.73765	102.43900	301.21197	3.39588	0.0918683	0.26329419	2.4108778	20	—	—
126053 2001 YY_{76}	16.2	X	20.25960	352.41467	71.83926	3.93657	0.1648148	0.26676727	2.3899071	20	—	—
126054 2001 YJ_{77}	16.0	X	233.93921	182.82627	93.32179	7.75604	0.1145220	0.27413953	2.3468659	20	1 9.3	19.5
126055 2001 YD_{78}	17.1	X	58.30524	80.24141	353.60840	2.75776	0.0823530	0.27304530	2.3531318	20	—	—
126056 2001 YK_{79}	16.8	X	52.86725	100.21030	328.95137	2.81233	0.1827175	0.27187984	2.3598517	20	—	—
126057 2001 YR_{79}	16.4	X	344.09216	38.48860	347.55221	2.48919	0.1829177	0.25635006	2.4542215	20	12 3.0	18.6
126058 2001 YX_{79}	15.9	X	175.71779	44.54040	326.94554	0.94663	0.1931634	0.22952113	2.6419277	20	3 16.8	20.3
126059 2001 YG_{80}	16.3	X	347.63737	5.91756	98.68218	3.65917	0.0970793	0.26562180	2.3967730	20	—	—
126060 2001 YL_{80}	15.8	X	130.25981	111.89734	296.32591	1.92492	0.1181287	0.22648154	2.6655133	20	3 11.8	19.8
126061 2001 YX_{80}	16.2	X	330.64129	134.38771	302.89487	2.52390	0.0309287	0.25913013	2.4366367	20	—	—
126062 2001 YE_{81}	16.5	X	61.08195	189.52154	303.94186	0.88015	0.0918726	0.28000242	2.3139903	20	3 22.9	18.7
126063 2001 YH_{81}	14.9	X	92.03536	59.14620	88.99573	2.08342	0.1083811	0.17858949	3.1229530	20	6 3.5	19.3
126064 2001 YJ_{81}	15.4	X	71.46648	249.05294	294.90023	2.43348	0.1227547	0.23384502	2.6092597	20	6 27.4	18.8
126065 2001 YL_{81}	15.8	X	243.81772	312.40338	100.04656	4.26239	0.1448836	0.24373423	2.5381953	20	7 14.4	19.3
126066 2001 YU_{81}	16.0	X	134.80488	50.57787	37.01642	2.32890	0.0389297	0.23143958	2.6273078	20	4 28.4	19.6
126067 2001 YC_{82}	16.1	X	341.64940	62.10850	45.09170	2.90758	0.1458832	0.26504860	2.4002273	20	—	—
126068 2001 YG_{82}	15.9	X	337.38995	68.30774	64.73587	5.54197	0.0622112	0.21420988	2.7663665	20	—	—
126069 2001 YK_{82}	15.9	X	279.16869	70.88338	13.55437	2.88357	0.0278855	0.25259012	2.4785165	20	11 2.5	18.9
126070 2001 YW_{82}	16.4	X	133.99694	58.66550	319.16855	5.10059	0.1906934	0.27747657	2.3280118	20	2 10.4	19.7
126071 2001 YL_{84}	16.2	X	296.54814	105.74388	66.46155	2.29643	0.1239738	0.26559938	2.3969079	20	—	—
126072 2001 YQ_{84}	15.7	X	180.38491	91.17728	282.75350	2.19517	0.2228414	0.23052782	2.6342308	20	3 23.3	20.1
126073 2001 YZ_{84}	15.6	X	186.64152	158.42122	295.80227	9.16851	0.0098549	0.23922880	2.5699642	20	7 13.3	18.9
126074 2001 YE_{85}	15.5	X	70.97271	311.38700	77.55555	5.19073	0.0784878	0.21381983	2.7697297	20	—	—
126075 2001 YC_{86}	15.5	X	152.44875	45.43747	48.48441	2.41654	0.0701662	0.23457401	2.6038509	20	5 30.9	19.3
126076 2001 YV_{86}	15.7	X	265.38433	195.95954	1.30611	1.98989	0.1507915	0.26368693	2.4084834	20	—	—
126077 2001 YX_{86}	15.4	X	359.00295	100.28455	98.69097	11.10412	0.1676278	0.22403976	2.6848456	20	3 19.6	18.3
126078 2001 YL_{87}	15.6	X	242.87359	322.70691	196.40876	5.24681	0.1523721	0.25423158	2.4678365	20	12 4.9	18.7
126079 2001 YZ_{87}	15.7	X	93.09438	195.15336	32.90439	2.76242	0.1362952	0.24385657	2.5373463	20	9 25.4	19.4
126080 2001 YS_{88}	16.3	X	45.74456	327.16528	33.65079	3.55211	0.2160893	0.26229138	2.4170189	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126081 2001 YE_{90}	15.8	X	122.76196	202.08917	82.24039	7.60932	0.1194155	0.25756123	2.4465216	20	—	—
126082 2001 YH_{90}	16.0	X	199.23661	274.85696	200.15278	3.72736	0.2724247	0.24252531	2.5466231	20	8 8.2	20.6
126083 2001 YX_{90}	16.2	X	216.15514	326.18741	281.08888	5.50762	0.0694267	0.26675637	2.3899722	20	—	—
126084 2001 YB_{91}	16.8	X	131.86442	63.69579	335.56788	1.16886	0.1981279	0.28024256	2.3126682	20	3 7.3	20.0
126085 2001 YN_{93}	16.8	X	209.86970	291.68753	55.07836	1.34021	0.2034372	0.28369265	2.2938798	20	3 12.7	20.4
126086 2001 YW_{94}	16.0	X	248.43269	166.54673	86.76548	3.41147	0.1879005	0.27108804	2.3644446	20	—	—
126087 2001 YA_{95}	15.4	X	85.65486	134.81936	64.84931	2.04856	0.1324827	0.23820979	2.5772882	20	8 9.2	18.8
126088 2001 YT_{95}	16.0	X	294.94327	359.11520	315.10525	7.15283	0.1733966	0.29070553	2.2568387	20	4 26.9	18.8
126089 2001 YA_{96}	16.6	X	28.76468	79.48146	328.99785	6.44019	0.0982671	0.26480272	2.4017129	20	—	—
126090 2001 YC_{97}	16.6	X	197.97379	232.67739	86.23937	4.93395	0.1920157	0.28251391	2.3002559	20	1 28.8	20.3
126091 2001 YD_{101}	16.9	X	313.37647	348.11569	154.26340	2.42766	0.1372474	0.26618733	2.3933771	20	—	—
126092 2001 YR_{101}	16.2	X	151.54029	233.52463	160.24383	1.50724	0.0958485	0.22896901	2.6461731	20	3 15.7	20.0
126093 2001 YU_{101}	15.5	X	238.20657	284.59390	106.69626	7.25453	0.2373560	0.24321444	2.5418103	20	6 1.3	19.5
126094 2001 YG_{102}	15.5	X	346.07153	246.27610	141.68232	2.74056	0.0816276	0.20376296	2.8601307	20	11 14.7	19.0
126095 2001 YM_{102}	15.6	X	69.43039	18.69799	53.04433	5.93976	0.1132350	0.22165829	2.7040418	20	1 24.5	18.8
126096 2001 YW_{103}	15.8	X	317.15788	199.40765	115.02186	7.23572	0.0345012	0.23945242	2.5683639	20	6 27.2	19.0
126097 2001 YC_{104}	15.3	X	354.36379	92.55065	111.18291	12.40765	0.1415800	0.22587956	2.6702470	20	3 19.1	18.4
126098 2001 YE_{104}	16.1	X	78.88375	315.49826	130.43289	3.06628	0.1782597	0.27771602	2.3266734	20	2 27.2	18.3
126099 2001 YF_{104}	15.7	X	86.90515	280.94085	110.11226	5.05525	0.0797467	0.21757892	2.7377356	20	—	—
126100 2001 YQ_{105}	16.2	X	230.88777	205.51757	193.13667	1.72807	0.0125427	0.23796717	2.5790396	20	6 25.8	19.6
126101 2001 YO_{106}	16.0	X	295.87193	97.01524	130.45140	7.70218	0.0675635	0.27434552	2.3456910	20	1 20.4	19.1
126102 2001 YJ_{107}	16.3	X	326.56116	332.39108	147.86902	1.69198	0.1311235	0.26344934	2.4099312	20	—	—
126103 2001 YT_{107}	15.6	X	156.73592	243.38923	217.76171	3.46546	0.1440862	0.23559946	2.5962900	20	6 17.7	19.7
126104 2001 YB_{108}	15.7	X	164.37355	31.55365	126.28882	14.89777	0.0351437	0.24410173	2.5356471	20	9 13.0	19.3
126105 2001 YK_{108}	16.2	X	265.06209	103.22785	278.46234	10.56621	0.1835911	0.24312807	2.5424123	20	6 23.2	19.5
126106 2001 YC_{109}	16.6	X	125.86142	327.97910	70.01218	7.35533	0.1106350	0.27970022	2.3156567	20	2 19.9	19.7
126107 2001 YZ_{109}	15.5	X	212.93433	336.24020	103.31404	16.23881	0.0963535	0.24092396	2.5578950	20	7 20.2	19.1
126108 2001 YA_{110}	15.3	X	111.88270	241.53652	313.90036	6.43455	0.1197973	0.24032869	2.5621171	20	8 30.2	19.0
126109 2001 YB_{110}	15.4	X	80.59003	107.19986	100.05682	5.37073	0.1648866	0.23630008	2.5911554	20	8 18.3	19.1
126110 2001 YZ_{110}	15.4	X	182.31322	354.26815	352.16289	6.69244	0.1348348	0.27911932	2.3188685	20	2 16.3	18.8
126111 2001 YA_{111}	16.1	X	287.64134	218.46042	11.16600	6.92907	0.0743681	0.27391763	2.3481332	20	1 13.9	19.2
126112 2001 YL_{111}	15.1	X	226.11211	296.63814	90.23969	22.71869	0.1123521	0.23627736	2.5913216	20	5 28.7	19.1
126113 2001 YP_{111}	15.9	X	102.04503	134.31091	2.21427	7.25940	0.0537376	0.28587719	2.2821791	20	5 21.0	18.7
126114 2001 YF_{112}	16.6	X	36.04202	65.90649	357.02484	2.22176	0.1263107	0.26952178	2.3735960	20	—	—
126115 2001 YM_{112}	16.4	X	100.31808	125.92733	275.66942	2.13230	0.2286456	0.27743511	2.3282437	20	2 5.2	18.9
126116 2001 YT_{113}	15.5	X	311.45703	1.12939	279.92472	10.92580	0.1531730	0.23288477	2.6164272	20	4 9.4	19.0
126117 2001 YW_{113}	15.7	X	238.90357	140.29824	293.15877	12.68520	0.1647871	0.24300002	2.5433054	20	8 1.2	19.3
126118 2001 YY_{113}	16.4	X	268.67707	43.32568	155.04405	3.57679	0.1222958	0.26448917	2.4036107	20	—	—
126119 2001 YZ_{113}	15.2	X	356.56176	26.09759	130.42090	3.60838	0.1903634	0.16335946	3.3141579	20	1 20.8	19.1
126120 2001 YA_{115}	15.6	X	28.47002	128.55363	271.64904	24.91420	0.1742895	0.26687876	2.3892415	20	—	—
126121 2001 YB_{115}	15.5	X	122.14595	249.31410	112.60162	7.06277	0.0482780	0.21942435	2.7223639	20	—	—
126122 2001 YP_{115}	16.3	X	89.11009	71.07759	334.29426	5.48519	0.1052905	0.27230601	2.3573889	20	1 6.6	18.8
126123 2001 YR_{115}	15.4	X	327.31398	54.87452	28.97418	4.39506	0.1674506	0.25953944	2.4340742	20	—	—
126124 2001 YO_{116}	16.7	X	308.73242	61.21501	49.28899	2.74012	0.1869033	0.26185830	2.4196830	20	—	—
126125 2001 YF_{118}	15.7	X	33.31410	87.11059	311.07757	4.12806	0.2125461	0.26462574	2.4027836	20	—	—
126126 2001 YK_{119}	14.9	X	232.36548	242.59049	91.21033	16.09794	0.1540712	0.23301136	2.6154795	20	3 30.0	19.3
126127 2001 YZ_{119}	15.8	X	96.94325	213.05820	285.62668	3.67033	0.2607773	0.23088729	2.6314959	20	6 17.3	19.8
126128 2001 YK_{120}	16.5	X	56.63661	298.18199	105.83457	7.81669	0.2133627	0.27143115	2.3624516	20	—	—
126129 2001 YN_{120}	15.5	X	25.73392	52.19781	98.64477	15.51381	0.0364358	0.22541713	2.6738976	20	3 1.5	19.2
126130 2001 YY_{120}	15.4	X	288.09874	179.49215	97.07103	14.12947	0.1494078	0.22636390	2.6664366	20	3 16.6	19.4
126131 2001 YJ_{122}	16.1	X	45.20361	276.14134	319.23701	5.63595	0.1184195	0.29664086	2.2266335	20	8 5.9	18.4
126132 2001 YP_{122}	16.4	X	65.34175	52.26829	319.13530	5.92123	0.1508310	0.26911046	2.3760140	20	—	—
126133 2001 YD_{123}	16.2	X	51.77449	97.78862	347.23629	5.15225	0.1162892	0.27535669	2.3399449	20	—	—
126134 2001 YD_{124}	16.1	X	16.25818	20.71146	38.71617	7.34368	0.1092557	0.26669530	2.3903370	20	—	—
126135 2001 YR_{124}	15.6	X	61.65098	108.15014	36.51403	5.86446	0.0845484	0.28408708	2.2917561	20	4 9.9	18.0
126136 2001 YC_{126}	16.3	X	175.92868	7.58455	31.43854	4.39375	0.1539160	0.28774729	2.2722802	20	4 16.4	19.7
126137 2001 YJ_{126}	15.1	X	237.01060	259.56329	50.22978	10.76949	0.1523005	0.22968826	2.6406460	20	3 2.2	19.4
126138 2001 YK_{126}	16.0	X	119.65315	126.09853	316.31206	4.57055	0.2053644	0.23095403	2.6309889	20	4 20.9	20.2
126139 2001 YD_{128}	15.9	X	97.94126	60.12009	61.57794	13.19789	0.1204720	0.23287867	2.6164729	20	5 9.9	19.5
126140 2001 YG_{128}	15.8	X	270.49981	7.47258	319.03764	7.33196	0.1863175	0.29289063	2.2456000	20	4 9.6	19.1
126141 2001 YP_{128}	15.3	X	249.90021	0.51496	333.21712	6.61877	0.1767010	0.23707841	2.5854812	20	4 2.5	19.3
126142 2001 YK_{129}	15.2	X	220.05915	258.29388	77.06582	12.59865	0.0778844	0.22933586	2.6433504	20	3 22.2	19.4
126143 2001 YZ_{129}	15.8	X	201.39052	57.44673	1.85426	3.94293	0.1167475	0.23897764	2.5717645	20	6 8.2	19.8
126144 2001 YB_{130}	16.1	X	140.80922	123.04121	28.46894	4.73033	0.0665337	0.29491187	2.2353278	20	8 9.1	19.0
126145 2001 YH_{132}	16.1	X	252.26958	322.75320	356.05339	5.16467	0.1384582	0.28594362	2.2818256	20	3 19.5	19.4
126146 2001 YU_{132}	15.8	X	61.45257	1.21363	27.51250	7.05106	0.1143798	0.27025225	2.3693170	20	—	—
126147 2001 YD_{134}	16.9	X	254.63649	18.02474	345.44423	3.47117	0.1450033	0.29601111	2.2297904	20	5 20.3	20.0
126148 2001 YV_{134}	15.0	X	301.20864	227.99109	109.84106	18.65670	0.2522895	0.24458902	2.5322782	20	6 5.5	18.1
126149 2001 YN_{135}	15.7	X	165.68980	323.25255	88.20858	22.68012	0.0234431	0.23428300	2.6060067	20	4 29.6	19.7
126150 2001 YZ_{136}	15.8	X	286.79969	244.06290	318.74687	7.72442	0.1538544	0.27164099	2.3612348	20	—	—
126151 2001 YZ_{137}	14.9	X	174.14282	29.92455	339.52362	14.65473	0.2086458	0.22890546	2.6466628	20	3 11.6	19.5
126152 2001 YO_{138}	16.0	X	148.45247	61.14748	112.22529	14.62680	0.0127595	0.24498466	2.5295511	20	9 15.3	19.6
126153 2001 YN_{139}	15.7	X	232.54429	283.84505	299.82843	3.82441	0.1981380	0.26243138	2.4161591	20	—	—
126154 2001 YH_{140}	5.5	X	27.25330	354.41723	108.92259	11.10345	0.1356183	0.00361069	42.0800494	20	2 9.4	21.2
126155 2001 YJ_{140}	7.3	X	17.82895	129.02157	319.40948	5.99319	0.2881156	0.00402465	39.1426966	20	1 21.8	21.9
126156 2001 YE_{149}	15.2	X	50.34697	341.94509	354.83841	6.96898	0.1378499	0.26040049	2.4287055	20	12 28.7	18.6
126157 2001 YG_{150}	15.4	X	324.06633	250.37619	31.26458	6.26165	0.2155135	0.24111831	2.5565203	20	4 26.3	17.9
126158 2001 YN_{152}	16.2	X	10.60788	52.77908	12.28214	7.12378	0.1108210	0.26507480	2.4000691	20	—	—
126159 2001 YD_{157}	14.7	X	120.30115	131.06655	312.01794	21.34770	0.0445028	0.22380610	2.6867140	20	3 23.2	18.9
126160 Fabienkuntz	15.7	X	62.65714	136.01074	291.61381	4.98380	0.0626411	0.21782892	2.7356405	20	1 3.0	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126161 2002 AK	16.4	X	52.27862	59.28349	25.45243	2.41839	0.0829833	0.27195934	2.3593918	20	—	—
126162 2002 AY	15.9	X	313.29099	54.92958	76.43163	4.56135	0.1440041	0.26035736	2.4289737	20	—	—
126163 2002 AM_1	15.7	X	8.23914	211.54923	168.65597	5.62595	0.3038055	0.26060384	2.4274419	20	—	—
126164 2002 AO_1	16.4	X	345.41367	13.78735	113.90530	2.42022	0.1294226	0.26683175	2.3895221	20	—	—
126165 2002 AX_3	15.7	X	311.01308	50.05375	89.01841	2.79927	0.1479019	0.26221387	2.4174952	20	—	—
126166 2002 AM_4	14.7	X	158.22374	159.88796	276.27064	32.84666	0.1910206	0.23173046	2.6251087	20	5 20.4	19.5
126167 2002 AL_5	15.4	X	348.78887	101.18576	319.46293	12.26501	0.1872665	0.25972462	2.4329170	20	—	—
126168 2002 AF_6	15.9	X	139.57750	59.60635	272.48815	2.61626	0.0976021	0.21393784	2.7687111	20	—	—
126169 2002 AR_7	15.2	X	169.66654	77.04434	104.13585	12.52522	0.1051517	0.25450464	2.4660710	20	10 20.7	19.1
126170 2002 AV_7	16.1	X	169.88917	41.15477	34.93186	2.24139	0.1067947	0.23672224	2.5880739	20	5 28.3	20.0
126171 2002 AU_8	15.8	X	124.85398	127.87746	342.71795	6.86315	0.1405565	0.22825984	2.6516511	20	5 26.2	19.9
126172 2002 AZ_8	16.6	X	320.43874	257.53172	108.57180	3.75672	0.0733722	0.24500935	2.5293811	20	9 14.5	19.4
126173 2002 AH_9	15.7	X	211.10102	79.95670	242.06264	2.68304	0.0830822	0.21916909	2.7244772	20	2 17.7	19.9
126174 2002 AA_{10}	15.7	X	181.79964	142.89669	325.63690	2.74100	0.1830364	0.23914797	2.5705433	20	7 21.3	19.8
126175 2002 AN_{10}	15.5	X	323.19498	205.68475	251.23114	1.41358	0.1732102	0.25999724	2.4312161	20	—	—
126176 2002 AQ_{10}	15.6	X	88.33273	157.83182	187.95657	2.51356	0.2153811	0.26552239	2.3973712	20	—	—
126177 2002 AP_{12}	15.6	X	262.02905	40.13390	131.34478	9.78099	0.1548561	0.25808752	2.4431945	20	—	—
126178 2002 AW_{13}	15.8	X	224.70003	321.76913	112.57366	1.71607	0.1634231	0.24249972	2.5468022	20	7 19.7	19.7
126179 2002 AY_{13}	16.0	X	97.81457	165.12286	308.88175	2.41717	0.1024463	0.22824026	2.6518027	20	4 24.2	19.5
126180 2002 AC_{14}	15.0	X	313.76703	153.87186	123.57619	14.95589	0.1602239	0.22514779	2.6760297	20	4 20.6	18.6
126181 2002 AB_{16}	15.0	X	277.50774	183.63126	49.04360	5.03287	0.2281962	0.21434229	2.7652271	20	—	—
126182 2002 AC_{18}	15.3	X	182.75630	343.97737	141.81396	9.73208	0.1565490	0.23859914	2.5744836	20	8 13.6	19.3
126183 2002 AS_{18}	15.4	X	285.93366	275.21822	175.33589	6.98776	0.1863458	0.25396803	2.4695435	20	11 6.0	17.8
126184 2002 AS_{19}	15.7	X	179.60870	8.71268	58.76009	5.43269	0.0671196	0.23616523	2.5921417	20	5 27.3	19.4
126185 2002 AH_{20}	15.4	X	85.34070	86.17929	44.93995	8.30707	0.1236098	0.22940391	2.6428277	20	5 5.0	18.8
126186 2002 AU_{20}	15.5	X	30.15311	55.09528	103.76437	12.46391	0.0169547	0.22599672	2.6693240	20	3 17.8	19.2
126187 2002 AA_{21}	14.7	X	178.62756	87.07607	287.22796	20.98375	0.2144026	0.28656993	2.2784997	20	3 7.7	19.0
126188 2002 AK_{21}	14.4	X	49.62328	342.97730	117.74043	24.36402	0.2272185	0.27464348	2.3439942	20	1 25.7	15.7
126189 2002 AH_{22}	16.6	X	82.23915	56.16252	2.57525	2.08290	0.1007539	0.27182091	2.3601928	20	1 13.6	19.0
126190 2002 AK_{22}	15.7	X	244.44236	129.63815	44.16637	8.22919	0.1617999	0.25413146	2.4684846	20	12 24.6	18.7
126191 2002 AN_{23}	16.7	X	89.29860	47.71703	337.24167	4.47366	0.1571953	0.26967765	2.3726813	20	—	—
126192 2002 AR_{23}	15.8	X	207.36181	306.91403	136.26010	7.68489	0.0877943	0.24115652	2.5562503	20	7 18.5	19.6
126193 2002 AG_{26}	16.4	X	253.99387	69.11551	314.98975	9.28309	0.1239548	0.23946570	2.5682690	20	6 21.4	20.0
126194 2002 AL_{30}	16.3	X	172.50798	166.05002	124.72924	3.54583	0.0851762	0.26690810	2.3890663	20	—	—
126195 2002 AQ_{32}	15.7	X	145.34393	278.67914	160.15705	4.22426	0.1410297	0.23086296	2.6316808	20	5 9.8	19.8
126196 2002 AO_{33}	16.3	X	130.84114	292.11240	65.05714	3.59668	0.2181197	0.27204695	2.3588852	20	1 16.3	19.5
126197 2002 AC_{36}	16.3	X	322.95927	305.96288	223.73302	1.48519	0.1436715	0.27291111	2.3539031	20	—	—
126198 2002 AG_{36}	16.2	X	271.47421	185.04502	82.63770	6.31817	0.0382996	0.28253936	2.3001178	20	2 17.6	19.1
126199 2002 AB_{37}	15.9	X	199.68827	258.68547	152.49601	3.63933	0.1110326	0.23841399	2.5758163	20	5 28.3	19.8
126200 2002 AQ_{37}	15.7	X	97.36861	33.02615	146.00381	4.17797	0.1740814	0.23946870	2.5682475	20	7 30.5	19.3
126201 2002 AP_{38}	16.0	X	232.74124	139.39415	212.60475	1.63076	0.0672371	0.23345498	2.6121651	20	4 20.1	19.8
126202 2002 AD_{39}	15.8	X	256.22464	35.24257	167.36457	5.42073	0.1340534	0.26284299	2.4136360	20	—	—
126203 2002 AL_{40}	16.4	X	253.86672	321.59678	196.11791	2.02724	0.1365730	0.25636313	2.4541381	20	12 21.9	19.1
126204 2002 AO_{40}	15.2	X	94.14999	219.30464	295.46054	12.21249	0.1925616	0.23170309	2.6253155	20	6 27.8	19.1
126205 2002 AQ_{40}	16.7	X	45.62943	206.35557	245.24762	1.07162	0.1850371	0.27190742	2.3596921	20	—	—
126206 2002 AU_{40}	15.7	X	152.11366	324.81727	149.49853	4.02445	0.1392586	0.23598342	2.5934730	20	6 29.8	19.9
126207 2002 AS_{41}	15.6	X	278.39264	301.03754	245.37320	1.51126	0.0410443	0.21341303	2.7732483	20	—	—
126208 2002 AK_{42}	16.4	X	221.47823	46.24868	166.24279	2.78766	0.1411868	0.26044917	2.4284028	20	—	—
126209 2002 AQ_{42}	15.7	X	251.99812	16.72510	141.54655	9.46175	0.1168099	0.25601638	2.4563536	20	12 23.1	18.7
126210 2002 AV_{42}	16.4	X	125.69115	97.81864	257.33725	2.17907	0.0831320	0.27116336	2.3640067	20	—	—
126211 2002 AD_{43}	16.4	X	183.32122	85.97706	138.77191	4.12773	0.0757937	0.25778302	2.4451182	20	12 26.8	19.9
126212 2002 AY_{43}	15.7	X	315.48960	327.60931	273.49705	7.15488	0.0214312	0.22706490	2.6609459	20	3 13.9	19.3
126213 2002 AC_{44}	16.3	X	33.54122	70.53897	288.50446	3.95200	0.2058826	0.25990042	2.4318198	20	—	—
126214 2002 AW_{45}	16.1	X	301.93558	249.41032	119.59900	14.71511	0.0709876	0.24495101	2.5297828	20	8 19.7	19.1
126215 2002 AR_{46}	16.3	X	95.34758	302.44296	131.46797	6.38487	0.0428009	0.22310710	2.6923227	20	2 22.2	19.7
126216 2002 AU_{46}	15.7	X	257.96424	331.56482	284.59775	3.28059	0.0555869	0.21965435	2.7204632	20	1 21.5	19.7
126217 2002 AH_{47}	17.2	X	46.87465	210.97258	248.03294	1.46797	0.1623431	0.27342319	2.3509631	20	1 11.9	19.2
126218 2002 AC_{48}	15.5	X	55.76509	96.32134	122.83926	8.06148	0.0856561	0.23640915	2.5903584	20	7 17.9	18.8
126219 2002 AR_{48}	15.4	X	39.35239	47.27467	279.19878	1.09440	0.0743196	0.19854262	2.9100484	20	11 8.1	19.2
126220 2002 AS_{48}	15.7	X	143.94118	93.83265	271.28134	4.82581	0.0378651	0.21973959	2.7197595	20	1 25.0	19.4
126221 2002 AD_{49}	15.8	X	28.04346	22.09832	125.29895	3.42350	0.0398636	0.22273709	2.6953036	20	2 24.6	19.1
126222 2002 AQ_{49}	16.0	X	333.71729	191.92142	245.06789	0.45429	0.1585161	0.25989169	2.4318743	20	—	—
126223 2002 AR_{49}	15.6	X	18.90832	343.54225	297.20687	13.63515	0.0797851	0.24073769	2.5592143	20	8 13.4	18.7
126224 2002 AQ_{50}	16.6	X	57.25599	250.77761	134.27495	4.09170	0.2433987	0.26662300	2.3907691	20	—	—
126225 2002 AR_{51}	16.0	X	287.34159	250.58648	123.43587	15.34094	0.1698313	0.24387780	2.5371990	20	7 16.2	19.0
126226 2002 AU_{51}	16.1	X	73.43758	259.88019	146.60067	2.37734	0.2171381	0.27144381	2.3623781	20	—	—
126227 2002 AB_{52}	15.8	X	134.40228	351.71145	129.45679	5.49102	0.0717131	0.23424292	2.6063040	20	6 15.6	19.5
126228 2002 AO_{53}	16.1	X	75.68016	312.79069	136.06056	12.52008	0.1258525	0.22167302	2.7039220	20	2 27.4	19.4
126229 2002 AF_{55}	16.7	X	110.58992	250.47845	150.61263	3.45251	0.2536468	0.27758837	2.3273866	20	2 22.6	19.5
126230 2002 AV_{55}	15.7	X	41.31947	302.48654	108.02461	5.49778	0.0679887	0.21162515	2.7888460	20	—	—
126231 2002 AY_{55}	15.7	X	10.33521	109.48743	281.57900	0.94574	0.0815865	0.20420167	2.8560328	20	12 23.0	19.4
126232 2002 AK_{56}	15.6	X	346.50733	315.74374	293.41804	13.78956	0.0836408	0.22974273	2.6402286	20	5 1.9	19.0
126233 2002 AC_{58}	16.0	X	257.86511	122.22842	300.03267	1.90320	0.1991948	0.24609533	2.5219345	20	8 6.2	19.4
126234 2002 AQ_{58}	15.4	X	329.70819	7.37862	305.04337	13.86448	0.0257949	0.23721662	2.5844768	20	7 14.9	18.6
126235 2002 AY_{58}	15.9	X	330.86719	295.79849	206.96374	1.82255	0.1168155	0.26554430	2.3972393	20	—	—
126236 2002 AC_{59}	15.9	X	212.43215	173.02683	295.88632	8.17669	0.1626391	0.24421465	2.5348654	20	8 18.9	19.9
126237 2002 AS_{59}	15.1	X	297.66150	58.63626	136.96594	13.40121	0.2409224	0.21151032	2.7898553	20	—	—
126238 2002 AJ_{60}	16.8	X	44.39213	123.95653	282.00680	1.65716	0.2021295	0.26631346	2.3926213	20	—	—
126239 2002 AT_{60}	16.2	X	359.83750	319.10914	135.65014	4.13711	0.1049108	0.26430737	2.4047127	20	—	—
126240 2002 AY_{61}	15.1	X	228.89861	4.45629	315.25990	12.61633	0.1891176	0.22186025	2.7024005	20	2 26.1	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126241 2002 AL_{62}	15.4	X	10.41423	324.19038	138.02441	9.60002	0.2301976	0.21322662	2.7748645	20	—	—
126242 2002 AX_{62}	15.5	X	130.79436	229.85035	303.64926	11.01803	0.2381396	0.23754375	2.5821035	20	8 25.5	20.0
126243 2002 AB_{64}	15.2	X	20.64195	340.14510	152.25441	13.35882	0.2192417	0.21660844	2.7459068	20	1 19.7	17.8
126244 2002 AQ_{66}	15.9	X	190.82885	285.39471	179.06497	4.77906	0.2867471	0.23927688	2.5696199	20	7 19.4	20.6
126245 Kandókálmán	16.7	X	54.44940	127.46642	141.00147	3.32101	0.2049607	0.29532559	2.2332397	20	10 21.8	19.5
126246 2002 AB_{67}	15.4	X	95.25230	249.40371	93.08512	6.71727	0.0421631	0.21035921	2.8000236	20	—	—
126247 2002 AL_{67}	16.2	X	72.15822	207.30779	109.48131	9.67942	0.0745331	0.25674521	2.4517028	20	12 19.8	19.5
126248 2002 AO_{67}	16.1	X	102.35797	258.16096	84.72171	3.75772	0.1751991	0.26706905	2.3881064	20	—	—
126249 2002 AP_{67}	16.4	X	4.58859	59.43148	302.17477	1.37248	0.2279696	0.25654090	2.4530043	20	12 12.9	18.9
126250 2002 AS_{69}	15.8	X	123.00272	130.18123	289.04435	7.35461	0.1052604	0.28379464	2.2933302	20	3 7.2	18.8
126251 2002 AA_{70}	15.3	X	92.94943	51.77385	288.21050	8.05074	0.2455586	0.27072997	2.3665290	20	—	—
126252 2002 AF_{70}	15.5	X	350.74764	237.59401	76.59968	13.69233	0.1150045	0.24790491	2.5096469	20	8 28.6	18.4
126253 2002 AG_{70}	15.9	X	201.97394	356.06337	66.89436	3.18078	0.0597883	0.24083330	2.5585369	20	6 17.2	19.5
126254 2002 AO_{71}	15.8	X	116.47754	46.04893	70.85172	3.30847	0.1622749	0.23344628	2.6122300	20	5 29.4	19.7
126255 2002 AR_{71}	14.7	X	317.62686	243.80185	97.71796	14.24367	0.1349589	0.24578094	2.5240847	20	7 29.1	17.4
126256 2002 AD_{72}	15.9	X	216.13401	139.85454	56.15524	2.65283	0.0425518	0.26009919	2.4305807	20	—	—
126257 2002 AT_{72}	16.8	X	21.45764	172.50528	320.45178	4.29586	0.1132773	0.27494503	2.3422799	20	1 13.5	18.9
126258 2002 AS_{73}	16.2	X	166.59480	18.38231	82.80739	1.71924	0.0240285	0.23841432	2.5758140	20	6 25.6	19.6
126259 2002 AE_{76}	15.3	X	259.20481	157.08435	92.32558	6.26868	0.1120351	0.21897009	2.7261277	20	1 10.1	19.5
126260 2002 AM_{77}	16.8	X	122.11194	283.33767	96.21367	3.83067	0.2108978	0.27640423	2.3340291	20	2 2.8	19.7
126261 2002 AL_{78}	15.8	X	186.72332	237.42767	73.60819	6.19128	0.0449181	0.21870736	2.7283104	20	1 10.2	19.8
126262 2002 AU_{80}	15.9	X	325.54354	316.28997	147.95773	6.60844	0.0863374	0.26573105	2.3961160	20	—	—
126263 2002 AH_{81}	15.8	X	107.86228	286.94010	150.50553	6.55210	0.0808211	0.28189643	2.3036138	20	3 13.9	18.4
126264 2002 AQ_{81}	15.6	X	3.37827	342.53749	124.85314	10.15825	0.1482098	0.26949785	2.3737365	20	—	—
126265 2002 AN_{82}	16.1	X	355.96204	295.60781	181.48521	3.77093	0.1327600	0.26954021	2.3734878	20	—	—
126266 2002 AF_{84}	16.2	X	236.55302	324.87003	214.02941	4.36042	0.0799504	0.25873559	2.4391131	20	—	—
126267 2002 AN_{86}	15.8	X	51.98219	292.20247	146.09753	6.99034	0.1122661	0.27136960	2.3628088	20	—	—
126268 2002 AT_{87}	16.3	X	6.98364	297.29773	171.13818	5.16975	0.0863748	0.26762060	2.3848241	20	—	—
126269 2002 AO_{89}	16.0	X	117.66811	247.46073	144.98938	5.75374	0.0785014	0.22168266	2.7038436	20	2 2.1	19.5
126270 2002 AT_{89}	15.8	X	241.01285	173.42978	275.05468	5.53219	0.2068169	0.24622986	2.5210158	20	8 18.2	19.6
126271 2002 AD_{90}	15.2	X	43.33335	293.05682	284.19755	11.60836	0.1463758	0.23061482	2.6335683	20	7 5.2	18.2
126272 2002 AM_{90}	16.0	X	194.85175	215.96898	210.42690	4.18139	0.1589915	0.23612235	2.5924556	20	6 9.9	20.3
126273 2002 AD_{94}	15.8	X	327.81266	133.78802	37.24989	3.85985	0.1285049	0.21682351	2.7440908	20	—	—
126274 2002 AA_{95}	15.8	X	274.02134	147.38327	87.43900	6.19451	0.1058481	0.21816131	2.7328611	20	1 8.8	19.8
126275 2002 AJ_{96}	16.1	X	305.31161	240.07039	106.03155	9.81842	0.2228717	0.24400110	2.5363442	20	6 26.8	18.7
126276 2002 AK_{96}	16.1	X	48.68409	359.76414	93.39807	4.30296	0.0550570	0.21892232	2.7265242	20	1 15.3	19.4
126277 2002 AR_{96}	15.2	X	115.81095	238.37674	107.85972	19.20662	0.1260418	0.21405893	2.7676669	20	—	—
126278 2002 AF_{97}	16.4	X	265.81041	21.77774	346.91913	2.19144	0.1694332	0.24095153	2.5576999	20	6 7.9	20.0
126279 2002 AU_{97}	16.0	X	9.27162	168.25291	333.86183	3.92685	0.0922990	0.27282955	2.3543722	20	1 7.7	18.4
126280 2002 AD_{98}	16.3	X	58.14831	253.86549	94.40856	4.24331	0.0884907	0.25897625	2.4376018	20	—	—
126281 2002 AN_{100}	16.2	X	7.18955	82.12794	323.70887	7.02663	0.0336217	0.25864385	2.4396898	20	—	—
126282 2002 AR_{100}	17.0	X	110.78022	47.43225	343.94140	4.22859	0.2361305	0.27531073	2.3402053	20	2 8.5	19.9
126283 2002 AG_{102}	16.4	X	172.41180	317.61457	89.89429	2.92747	0.1289695	0.23210657	2.6222722	20	4 26.2	20.4
126284 2002 AX_{102}	16.4	X	291.28976	158.41536	42.03363	3.26197	0.1400792	0.26746279	2.3857621	20	—	—
126285 2002 AZ_{103}	15.2	X	181.34320	307.88436	115.39398	10.62409	0.0709491	0.18103347	3.0947825	20	5 26.9	20.0
126286 2002 AC_{104}	16.2	X	238.23797	100.17408	326.00142	0.78335	0.1271004	0.24409437	2.5356980	20	7 28.5	19.8
126287 2002 AG_{104}	15.9	X	282.69601	275.87567	105.68401	4.24028	0.0068093	0.24256023	2.5463787	20	8 15.6	19.2
126288 2002 AO_{104}	15.7	X	23.29496	268.14163	313.73849	2.78070	0.1337671	0.23134354	2.6280349	20	6 3.5	18.4
126289 2002 AY_{104}	15.8	X	278.43007	139.05716	104.16424	4.24967	0.0322357	0.22073944	2.7115405	20	2 2.1	19.4
126290 2002 AZ_{105}	16.4	X	108.55205	118.95384	336.17559	1.68839	0.1864723	0.22856849	2.6492634	20	4 24.6	20.2
126291 2002 AY_{106}	15.3	X	80.88909	139.98615	104.71674	5.68551	0.2107803	0.24166384	2.5526715	20	10 13.5	19.2
126292 2002 AB_{107}	16.1	X	79.15146	94.00221	349.91877	2.04566	0.1860896	0.27645049	2.3337687	20	2 25.7	18.3
126293 2002 AY_{107}	16.1	X	210.56467	88.98023	307.51072	5.88485	0.1189846	0.23525408	2.5988304	20	5 18.0	20.2
126294 2002 AR_{108}	16.2	X	333.27379	8.40570	23.72588	2.02827	0.1743718	0.25396807	2.4695432	20	11 17.9	18.1
126295 2002 AO_{109}	16.3	X	263.62827	301.72283	291.56307	1.85998	0.1608447	0.26745206	2.3858259	20	—	—
126296 2002 AH_{110}	16.0	X	253.69112	126.47565	77.50051	2.29598	0.1477445	0.26173869	2.4204202	20	—	—
126297 2002 AZ_{110}	15.5	X	92.53911	134.98253	105.94666	8.60764	0.1188123	0.24367273	2.5386224	20	10 13.3	19.3
126298 2002 AD_{111}	16.1	X	117.07560	64.76665	319.56802	7.27649	0.1357323	0.27304626	2.3531263	20	1 23.4	18.8
126299 2002 AZ_{114}	15.5	X	204.48847	120.39925	86.33131	3.16460	0.1074412	0.20205602	2.8762161	20	12 12.2	19.7
126300 2002 AL_{116}	15.9	X	208.31261	117.38438	297.78696	2.59794	0.2112570	0.23821407	2.5772573	20	6 5.4	20.2
126301 2002 AT_{116}	16.8	X	309.73810	330.76889	123.96595	0.46410	0.1711257	0.25738039	2.4476675	20	—	—
126302 2002 AO_{118}	15.8	X	122.01926	357.61109	116.58347	2.18169	0.1191110	0.23020602	2.6366851	20	5 27.6	19.6
126303 2002 AG_{119}	15.4	X	75.91442	190.67279	328.71919	14.34748	0.0703442	0.22862875	2.6487979	20	5 17.3	19.2
126304 2002 AX_{119}	15.7	X	124.98731	140.60970	308.26106	11.94022	0.1427024	0.22904850	2.6455608	20	4 24.6	19.9
126305 2002 AQ_{120}	15.6	X	300.25093	246.77487	322.78306	3.71778	0.1111197	0.21567424	2.7538305	20	1 7.5	19.4
126306 2002 AR_{120}	15.2	X	147.73154	2.37104	102.96177	2.77529	0.1137679	0.17956102	3.1116782	20	6 11.9	19.9
126307 2002 AY_{120}	14.5	X	203.55547	254.42531	319.89898	11.93002	0.2653936	0.19970825	2.8987140	20	12 3.9	19.6
126308 2002 AA_{121}	15.5	X	184.72028	31.98730	107.98685	8.12093	0.1249023	0.24357916	2.5392724	20	9 7.9	19.5
126309 2002 AW_{121}	16.5	X	273.81879	156.37834	28.96905	2.18822	0.1272305	0.26197159	2.4189854	20	—	—
126310 2002 AJ_{123}	16.2	X	11.03542	29.87615	45.46190	2.64506	0.1752770	0.26382462	2.4076453	20	—	—
126311 2002 AT_{123}	16.5	X	16.94096	120.93808	324.38827	1.73069	0.1798820	0.26621984	2.3931823	20	—	—
126312 2002 AZ_{124}	15.7	X	39.61344	120.36900	145.28128	2.77352	0.0441776	0.23854311	2.5748867	20	8 22.7	18.8
126313 2002 AN_{125}	15.2	X	68.49970	191.35739	346.97006	11.53235	0.1234738	0.22800485	2.6536277	20	6 14.6	18.8
126314 2002 AG_{126}	16.1	X	282.23172	57.67464	303.21606	14.12959	0.1251141	0.24096524	2.5576029	20	6 28.4	19.5
126315 Bláthy	15.8	X	5.79655	311.14989	302.64305	13.10160	0.0524949	0.23364316	2.6107623	20	6 15.7	19.1
126316 2002 AB_{131}	15.3	X	145.11570	325.39249	112.85496	22.77265	0.0328165	0.22934148	2.6433072	20	5 9.0	19.5
126317 2002 AL_{133}	16.6	X	349.49860	355.13663	119.01393	6.62364	0.0550187	0.27052184	2.3677426	20	—	—
126318 2002 AE_{135}	16.6	X	306.08488	22.31114	135.89398	1.74442	0.1181790	0.26658998	2.3909665	20	—	—
126319 2002 AW_{138}	15.9	X	323.67722	112.45849	76.66395	4.40161	0.1291876	0.21684229	2.7439323	20	1 8.6	19.5
126320 2002 AP_{140}	16.2	X	288.02316	139.84839	97.03310	4.08987	0.1059120	0.27723525	2.3293625	20	1 17.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126321 2002 AX_{140}	16.3	X	321.80652	29.54831	187.01443	2.02205	0.1530553	0.27649005	2.3335460	20	1 26.6	19.0
126322 2002 AX_{143}	16.7	X	176.88519	234.58328	122.64111	5.70279	0.2646178	0.28140746	2.3062815	20	3 1.5	20.7
126323 2002 AD_{145}	15.7	X	347.13659	177.74876	283.46334	2.40815	0.0559438	0.21038509	2.7997940	20	—	—
126324 2002 AK_{145}	16.1	X	260.40769	67.03851	174.07755	3.30547	0.0472074	0.21846504	2.7303275	20	1 6.7	20.0
126325 2002 AG_{146}	16.6	X	197.56632	207.06474	118.51262	5.76826	0.1299391	0.27650488	2.3334626	20	2 4.2	20.0
126326 2002 AK_{148}	15.7	X	283.09020	160.03748	2.14687	1.08246	0.1355812	0.26067553	2.4269968	20	—	—
126327 2002 AR_{149}	16.7	X	17.61604	37.79647	343.62032	2.33232	0.2165094	0.26049082	2.4281440	20	—	—
126328 2002 AX_{149}	16.7	X	315.36857	168.97149	339.45044	3.11789	0.0703717	0.26576911	2.3958873	20	—	—
126329 2002 AD_{150}	16.6	X	285.71872	142.43907	308.06609	5.18088	0.0793295	0.25400054	2.4693328	20	11 14.5	19.5
126330 2002 AG_{150}	16.3	X	238.71442	102.31538	338.75152	1.78862	0.0859468	0.24559183	2.5253802	20	8 24.4	19.6
126331 2002 AJ_{151}	15.6	X	118.94623	60.83823	3.95042	1.78915	0.0662984	0.22318235	2.6917175	20	3 14.2	19.1
126332 2002 AB_{152}	15.3	X	196.75313	332.13868	325.43712	5.88320	0.1421090	0.26708809	2.3879929	20	1 1.4	19.1
126333 2002 AQ_{152}	15.4	X	81.21522	118.02851	134.86676	16.99017	0.2259755	0.24019470	2.5630698	20	10 28.9	19.8
126334 2002 AW_{152}	15.9	X	172.24722	38.55126	118.24625	5.52595	0.0500858	0.24311476	2.5425051	20	9 18.8	19.4
126335 2002 AP_{153}	15.9	X	228.53335	214.80889	335.58148	2.25981	0.1229823	0.25495666	2.4631554	20	12 31.1	18.9
126336 2002 AX_{153}	15.9	X	179.80743	290.63599	131.31442	4.82422	0.2151911	0.23381021	2.6095187	20	5 22.4	20.3
126337 2002 AE_{154}	15.7	X	58.26336	168.52845	317.23373	2.03475	0.1194461	0.22192286	2.7018922	20	3 17.5	18.8
126338 2002 AJ_{154}	15.8	X	177.63929	116.56364	326.90482	5.23019	0.3477522	0.23715486	2.5849255	20	6 14.9	20.8
126339 2002 AP_{154}	15.7	X	271.63763	104.58101	24.99741	1.81599	0.1345709	0.25420933	2.4679805	20	12 11.3	18.2
126340 2002 AU_{157}	16.1	X	192.69726	172.72154	242.32068	1.74836	0.1936682	0.23538478	2.5978683	20	5 23.6	20.3
126341 2002 AH_{160}	16.3	X	324.65167	356.70686	177.35745	2.27585	0.1268261	0.26798217	2.3826785	20	—	—
126342 2002 AU_{161}	16.3	X	236.69398	53.98557	198.22051	1.49836	0.1675941	0.26511098	2.3998508	20	—	—
126343 2002 AW_{161}	16.7	X	240.30235	139.17857	300.92777	6.21334	0.1801574	0.24489388	2.5301762	20	8 10.8	20.2
126344 2002 AJ_{162}	15.7	X	333.88153	18.64878	308.77911	11.45916	0.0769855	0.23967819	2.5667508	20	8 7.9	18.7
126345 2002 AO_{162}	15.9	X	244.64981	49.42149	143.41926	6.41482	0.0768192	0.25876902	2.4389030	20	—	—
126346 2002 AO_{163}	16.3	X	295.04065	276.40986	236.27882	0.85871	0.1374171	0.26074306	2.4265777	20	—	—
126347 2002 AX_{163}	15.7	X	346.40122	44.52730	149.17642	7.38935	0.1251505	0.27342343	2.3509618	20	2 6.8	18.1
126348 2002 AK_{165}	16.0	X	100.27056	218.51434	196.57374	1.28361	0.0513109	0.21878876	2.7276337	20	2 5.1	19.6
126349 2002 AU_{166}	14.8	X	143.92865	53.63649	145.25620	11.15019	0.0556644	0.19038358	2.9926072	20	10 3.8	19.3
126350 2002 AY_{166}	15.8	X	233.85679	245.02626	175.12494	4.58068	0.2369505	0.24075584	2.5590857	20	7 2.8	19.9
126351 2002 AC_{167}	15.1	X	319.79092	286.14226	290.15636	5.93349	0.0710200	0.21799015	2.7342915	20	2 13.2	18.6
126352 2002 AO_{167}	15.0	X	186.98852	100.90368	328.50355	21.78495	0.0439557	0.23107435	2.6300756	20	6 7.0	19.2
126353 2002 AD_{169}	16.1	X	133.62042	237.43331	291.80421	4.67910	0.0999765	0.24276271	2.5449625	20	8 18.6	20.0
126354 2002 AL_{169}	16.5	X	269.40081	259.37739	346.69116	2.60389	0.0583708	0.27443100	2.3452039	20	1 13.9	19.5
126355 2002 AN_{169}	16.1	X	271.30307	206.06743	343.99275	2.88064	0.0797960	0.26556522	2.3971135	20	—	—
126356 2002 AD_{170}	17.1	X	300.61438	184.26219	344.01424	2.93528	0.1158777	0.26556271	2.3971285	20	—	—
126357 2002 AA_{171}	16.4	X	143.80629	298.29542	115.33198	4.01088	0.0636694	0.22734865	2.6587314	20	3 31.0	20.2
126358 2002 AU_{172}	16.0	X	239.60135	304.07567	96.18302	5.90662	0.1080079	0.23978085	2.5660181	20	6 27.2	19.6
126359 2002 AG_{174}	15.8	X	156.27766	181.81167	52.70564	3.19412	0.1246125	0.25253104	2.4789030	20	12 5.1	19.6
126360 2002 AE_{175}	15.8	X	214.49020	138.99169	112.63057	3.04580	0.1348506	0.20937428	2.8087979	20	—	—
126361 2002 AA_{179}	16.1	X	85.72953	163.30588	345.65056	1.64830	0.1381405	0.22863888	2.6487196	20	5 31.7	19.5
126362 2002 AG_{181}	15.4	X	154.87810	328.25898	53.23730	14.57295	0.1170561	0.22689498	2.6622743	20	3 13.8	19.7
126363 2002 AR_{182}	15.3	X	185.40162	102.98489	330.66510	13.44147	0.1610840	0.23830971	2.5765677	20	6 9.3	19.8
126364 2002 AY_{182}	15.9	X	18.37487	169.02786	73.68180	1.74092	0.1164083	0.23507959	2.6001162	20	6 24.4	18.6
126365 2002 AR_{184}	15.8	X	348.55748	44.83807	12.29076	8.61189	0.2059076	0.25983532	2.4322260	20	—	—
126366 2002 AF_{185}	15.7	X	137.03736	287.05388	131.28874	15.33900	0.0839201	0.22825445	2.6516928	20	4 4.1	19.8
126367 2002 AZ_{186}	14.9	X	94.06924	173.15756	85.41658	6.99244	0.1530568	0.24585978	2.5235450	20	11 7.1	18.7
126368 2002 AB_{187}	15.7	X	119.54190	96.09163	332.72092	10.70056	0.1602296	0.22597207	2.6695181	20	3 27.6	19.7
126369 2002 AK_{187}	15.8	X	35.60464	30.23426	4.32175	8.70805	0.2108524	0.26380535	2.4077625	20	—	—
126370 2002 AR_{187}	16.0	X	242.36234	319.45344	270.00482	6.94386	0.1081670	0.26448123	2.4036588	20	—	—
126371 2002 AH_{188}	16.0	X	293.22329	233.53471	113.84923	17.23837	0.1078088	0.23849434	2.5752378	20	6 27.9	19.3
126372 2002 AS_{188}	15.2	X	292.71368	3.03526	289.27285	13.32516	0.1919944	0.22850736	2.6497359	20	3 21.3	19.3
126373 2002 AT_{190}	15.6	X	282.58562	305.83978	66.45114	12.41465	0.2122325	0.24377493	2.5379128	20	6 28.8	18.9
126374 2002 AV_{190}	14.6	X	332.42586	177.27062	20.06495	13.46394	0.1448233	0.21464092	2.7626616	20	2 4.1	18.2
126375 2002 AF_{193}	15.2	X	189.91316	228.63724	143.61775	16.59153	0.2177524	0.17523682	3.1626598	20	4 6.1	20.8
126376 2002 AP_{193}	15.2	X	29.00446	349.68814	269.98573	11.76835	0.1121097	0.23471164	2.6028329	20	8 2.7	18.4
126377 2002 AU_{193}	15.7	X	115.72597	226.11609	297.70105	10.68660	0.0694140	0.23358894	2.6111663	20	7 19.7	19.4
126378 2002 AM_{195}	15.6	X	73.64640	212.07844	149.94122	9.83058	0.2888051	0.26441296	2.4040725	20	—	—
126379 2002 AU_{197}	15.2	X	69.40842	3.09310	126.10619	13.80476	0.1292629	0.22309573	2.6924142	20	4 17.4	18.8
126380 2002 AE_{199}	15.1	X	181.63908	219.99053	96.82997	15.54064	0.2068570	0.22204000	2.7009419	20	1 19.3	19.7
126381 2002 AP_{200}	15.8	X	202.80589	115.72095	147.70003	3.63141	0.0729278	0.21324735	2.7746845	20	—	—
126382 2002 AC_{201}	15.9	X	286.55995	359.58923	255.45049	4.08194	0.1077050	0.22413794	2.6840615	20	2 13.8	19.6
126383 2002 AP_{202}	15.2	X	216.84575	22.97992	296.78138	13.41123	0.1882657	0.22232896	2.6986011	20	2 15.3	19.8
126384 2002 AO_{203}	16.8	X	339.21563	220.26151	117.38077	5.02297	0.0785405	0.24494097	2.5298519	20	9 4.8	19.6
126385 2002 AW_{203}	15.8	X	76.54537	40.14261	347.57122	3.13778	0.1016433	0.21066031	2.7973550	20	—	—
126386 2002 BT	14.7	X	184.06143	55.08755	106.37884	27.58917	0.2289447	0.24166388	2.5526712	20	10 8.8	19.6
126387 2002 BZ	15.4	X	158.31478	97.93623	11.04139	5.82251	0.0976671	0.23782506	2.5800669	20	6 28.4	19.4
126388 2002 BS_{1}	16.2	X	69.98569	330.75807	103.34751	5.96839	0.0937372	0.21982871	2.7190245	20	1 25.3	19.4
126389 2002 BX_{1}	15.2	X	128.06946	8.96888	155.17131	15.29465	0.1216792	0.23587489	2.5942684	20	8 6.9	19.3
126390 2002 BZ_{1}	16.0	X	267.10588	241.71437	167.84941	1.59683	0.2525492	0.24440208	2.5335693	20	7 23.2	19.3
126391 2002 BW_{2}	15.3	X	203.38907	2.57311	56.17592	15.70791	0.0907046	0.23763843	2.5814176	20	6 9.7	19.3
126392 2002 BD_{3}	14.9	X	39.22931	165.46690	37.81088	12.36571	0.1238000	0.23090922	2.6313293	20	6 1.9	18.0
126393 2002 BF_{3}	15.4	X	13.44746	102.83932	69.13623	12.27910	0.1358982	0.22310584	2.6923329	20	3 12.0	18.6
126394 2002 BL_{3}	14.8	X	239.79300	294.70957	64.80775	11.11203	0.2805955	0.23691116	2.5866979	20	4 23.1	19.2
126395 2002 BG_{4}	14.9	X	88.78856	117.60076	82.37838	16.14922	0.2016101	0.23686588	2.5870275	20	8 27.6	19.1
126396 2002 BV_{4}	15.0	X	209.74801	69.26227	35.99074	13.75486	0.1266917	0.24387325	2.5372306	20	8 24.2	19.0
126397 2002 BY_{4}	15.5	X	197.62159	299.23348	74.16144	16.11190	0.1322581	0.23045868	2.6347576	20	4 14.9	19.9
126398 2002 BP_{9}	16.0	X	316.42260	87.67079	136.78529	3.89846	0.3270863	0.26967504	2.3726966	20	1 5.9	19.3
126399 2002 BW_{9}	15.9	X	340.68092	85.40203	27.34040	2.54677	0.1742348	0.26273937	2.4142706	20	—	—
126400 2002 BX_{10}	15.9	X	162.55375	321.37299	133.32751	10.12929	0.1671478	0.23320675	2.6140184	20	6 16.5	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126401 2002 BZ_{12}	15.2	X	336.57234	71.50244	59.12299	8.29188	0.1750498	0.21127009	2.7919697	20	—	—
126402 2002 BD_{13}	15.8	X	274.21859	192.07186	6.10112	9.80141	0.1749834	0.26293068	2.4130994	20	—	—
126403 2002 BO_{13}	15.2	X	144.11582	152.01771	76.94081	10.75564	0.0081200	0.19677713	2.9274285	20	11 9.5	19.3
126404 2002 BK_{15}	16.4	X	326.70678	223.71971	225.23517	1.99355	0.1307438	0.25860018	2.4399644	20	—	—
126405 2002 BO_{15}	15.3	X	86.21809	70.04725	142.21682	9.61507	0.0339092	0.18478174	3.0527882	20	8 6.9	19.6
126406 2002 BG_{16}	15.2	X	98.36894	105.40595	159.22384	13.75131	0.1502427	0.24528522	2.5274843	20	11 19.7	19.4
126407 2002 BO_{16}	15.5	X	296.64022	252.81899	293.05200	1.39329	0.1220198	0.21039576	2.7996993	20	—	—
126408 2002 BX_{16}	15.7	X	314.71256	86.40176	151.33243	5.11714	0.1522683	0.27316619	2.3524375	20	2 15.6	18.4
126409 2002 BK_{18}	16.2	X	144.21722	65.79911	84.65866	0.95147	0.0857287	0.23866513	2.5740090	20	8 6.2	20.0
126410 2002 BU_{18}	14.8	X	220.16042	233.91556	147.13093	17.67486	0.3837924	0.23549044	2.5970912	20	5 2.3	20.1
126411 2002 BY_{18}	15.1	X	219.29001	275.96218	88.86472	14.66082	0.1923426	0.23277777	2.6172289	20	4 21.4	19.7
126412 2002 BQ_{19}	16.1	X	251.94285	311.05154	111.25622	7.70026	0.2091122	0.24278703	2.5447926	20	7 28.9	19.8
126413 2002 BU_{19}	16.2	X	30.93592	211.18966	163.63577	2.60838	0.1938226	0.26027984	2.4294559	20	—	—
126414 2002 BD_{20}	16.6	X	235.65377	320.11665	209.40359	0.53544	0.1278580	0.25432377	2.4672401	20	12 12.1	19.6
126415 2002 BZ_{23}	15.1	X	233.05314	298.50399	84.55325	14.01426	0.2040033	0.23754884	2.5820666	20	5 21.3	19.2
126416 2002 BH_{25}	16.0	X	278.12459	225.61088	10.64380	1.16277	0.1463948	0.26769786	2.3843652	20	1 2.9	19.3
126417 2002 BB_{28}	15.2	X	323.71183	143.14875	98.61752	16.28331	0.0740276	0.22529905	2.6748318	20	4 1.8	19.0
126418 2002 BD_{29}	15.5	X	137.57406	11.49692	51.80754	10.16637	0.0955178	0.22835382	2.6509235	20	4 9.9	19.4
126419 2002 BH_{29}	15.4	X	225.20673	76.17394	8.22907	11.39438	0.1233592	0.24277744	2.5448596	20	8 11.6	19.2
126420 2002 BK_{29}	15.8	X	175.64820	356.25805	47.24956	8.08596	0.3090362	0.23323317	2.6138210	20	4 27.4	20.6
126421 2002 BD_{30}	15.0	X	169.14939	104.84883	87.20985	10.45858	0.0748378	0.19194947	2.9763096	20	10 23.9	19.6
126422 2002 BJ_{30}	15.1	X	281.47423	30.11587	343.20944	17.22225	0.1798692	0.24511454	2.5286575	20	7 8.9	18.6
126423 2002 BE_{31}	15.8	X	159.29795	150.98636	200.36384	1.84502	0.0505609	0.21793848	2.7347236	20	1 28.1	19.7
126424 2002 CR	15.2	X	301.22555	155.12482	203.97863	8.14435	0.1195672	0.18791786	3.0187282	20	7 19.0	19.3
126425 2002 CW_{1}	16.8	X	65.21948	18.40158	24.11182	5.01033	0.2361720	0.26994133	2.3711359	20	—	—
126426 2002 CO_{2}	15.7	X	201.41626	321.51881	58.51068	5.76360	0.1579200	0.23129652	2.6283911	20	4 19.9	20.0
126427 2002 CV_{2}	14.7	X	327.71280	314.36397	338.16507	13.79263	0.2220995	0.23249043	2.6193849	20	5 14.1	17.6
126428 2002 CU_{4}	15.2	X	118.78197	133.75343	33.93608	12.91218	0.2252742	0.23632329	2.5909858	20	8 16.8	19.7
126429 2002 CZ_{4}	15.3	X	215.81926	221.78385	32.36196	6.59900	0.1139303	0.26268390	2.4146105	20	—	—
126430 2002 CH_{5}	16.2	X	3.53388	292.47064	125.58830	5.83045	0.1718965	0.26011518	2.4304811	20	—	—
126431 2002 CK_{5}	15.2	X	57.30892	37.94695	338.85369	5.60372	0.2996526	0.26329563	2.4108690	20	—	—
126432 2002 CR_{5}	15.4	X	179.64154	27.94095	224.52505	1.25538	0.0409049	0.20441085	2.8540840	20	—	—
126433 2002 CT_{7}	15.9	X	337.43495	47.41726	147.64158	2.62409	0.1453659	0.27102433	2.3648151	20	1 22.7	18.3
126434 2002 CM_{8}	16.2	X	222.26615	25.23359	200.90613	1.79202	0.1361421	0.26079140	2.4262779	20	—	—
126435 2002 CQ_{10}	15.3	X	175.98473	86.83282	40.84491	21.74782	0.1603289	0.23823487	2.5771073	20	8 20.9	19.9
126436 2002 CC_{11}	16.2	X	257.60697	201.27913	20.88089	2.82657	0.1193132	0.26245679	2.4160032	20	—	—
126437 2002 CG_{11}	15.9	X	220.31420	55.87863	4.35496	4.07451	0.1869466	0.23762040	2.5815482	20	6 24.7	20.0
126438 2002 CB_{12}	14.8	X	244.18061	31.84483	193.75047	32.11049	0.2437647	0.25898435	2.4375509	20	—	—
126439 2002 CP_{12}	16.0	X	338.50509	139.08579	25.02856	2.85512	0.1326858	0.26927126	2.3750680	20	—	—
126440 2002 CP_{13}	15.6	X	273.50626	99.82368	126.07716	2.42917	0.1595420	0.21285208	2.7781186	20	—	—
126441 2002 CV_{14}	16.4	X	230.75551	227.23400	336.29013	1.77077	0.1349368	0.25755147	2.4465834	20	—	—
126442 2002 CJ_{15}	15.1	X	34.60955	153.22989	131.19954	12.97274	0.0772642	0.18818724	3.0158467	20	9 11.0	19.2
126443 2002 CV_{15}	16.0	X	335.54965	14.16088	172.58785	2.59441	0.1086931	0.26947691	2.3738595	20	1 14.2	18.6
126444 Wylie	15.7	X	274.34619	85.29047	54.68072	15.12378	0.0925191	0.25791663	2.4442736	20	—	—
126445 Prestonreeves	15.3	X	167.46160	358.94738	48.82500	15.48429	0.1258183	0.23011281	2.6373971	20	4 23.4	19.4
126446 2002 CO_{16}	16.0	X	161.19259	37.42892	326.77323	7.05238	0.0989154	0.27814687	2.3242701	20	2 12.9	19.0
126447 2002 CH_{18}	14.6	X	326.73930	253.58308	88.10053	12.06708	0.1927270	0.18767279	3.0213556	20	8 4.6	17.9
126448 2002 CS_{19}	15.8	X	131.52171	83.43518	7.86235	4.76956	0.1285203	0.23020470	2.6366952	20	5 7.6	19.8
126449 2002 CH_{20}	15.9	X	256.32997	336.22359	84.37233	4.81686	0.1551419	0.24345876	2.5401095	20	8 10.1	19.2
126450 2002 CJ_{20}	15.9	X	195.25075	24.31387	31.25373	4.84932	0.1983919	0.23445558	2.6047277	20	5 25.6	20.2
126451 2002 CV_{20}	15.5	X	221.26846	98.17999	78.30338	2.31650	0.0827279	0.19851864	2.9102828	20	11 26.6	19.8
126452 2002 CC_{24}	16.5	X	100.30139	239.18663	172.85329	9.64847	0.1999399	0.27563875	2.3383483	20	2 14.1	19.2
126453 2002 CO_{24}	15.7	X	160.07596	241.58923	265.18060	6.54201	0.1754117	0.23922150	2.5700165	20	8 16.3	20.0
126454 2002 CK_{26}	14.9	X	223.69564	42.92629	270.40748	21.78269	0.1693453	0.28732313	2.2745160	20	2 2.9	18.9
126455 2002 CO_{27}	16.4	X	320.69853	107.64365	8.04647	3.11725	0.2278193	0.26218655	2.4176631	20	—	—
126456 2002 CK_{28}	15.2	X	86.84516	81.08410	342.02784	8.14364	0.2461772	0.22194982	2.7016734	20	2 27.1	18.5
126457 2002 CQ_{28}	15.5	X	332.49782	355.87752	85.48936	7.28822	0.0434221	0.20449584	2.8532932	20	12 30.5	19.1
126458 2002 CW_{29}	15.5	X	90.69959	63.64618	14.97969	6.90103	0.1591372	0.27667080	2.3325296	20	3 5.3	18.0
126459 2002 CX_{30}	16.2	X	277.63668	123.18483	94.71779	7.73989	0.0413082	0.26836499	2.3804121	20	—	—
126460 2002 CM_{32}	15.6	X	260.76171	181.26464	53.11758	5.71768	0.1626123	0.26591851	2.3949898	20	—	—
126461 2002 CD_{33}	15.9	X	209.26001	313.61053	116.67595	16.00967	0.0555391	0.23682696	2.5873109	20	7 6.5	19.6
126462 2002 CP_{35}	15.8	X	62.42963	329.67516	261.24249	4.78004	0.1955417	0.23581846	2.5946823	20	8 27.9	19.4
126463 2002 CW_{37}	15.8	X	172.82298	313.26061	127.67329	8.90480	0.1672021	0.23358573	2.6111902	20	6 8.8	20.2
126464 2002 CE_{38}	16.0	X	327.98483	271.42527	7.32326	2.14073	0.0307402	0.23148948	2.6269303	20	5 23.6	19.2
126465 2002 CV_{38}	15.7	X	182.16743	139.92404	101.45165	3.25832	0.0129782	0.20315979	2.8657890	20	—	—
126466 2002 CA_{39}	16.2	X	320.04310	135.31192	317.67648	1.48091	0.1541780	0.25677136	2.4515363	20	—	—
126467 2002 CZ_{39}	15.5	X	148.89253	347.16699	200.10729	13.12942	0.1048239	0.24256503	2.5463451	20	9 27.4	19.5
126468 2002 CB_{40}	15.1	X	334.75943	236.37990	265.56327	11.14007	0.1552565	0.21112997	2.7932049	20	—	—
126469 2002 CB_{41}	14.1	X	36.35852	297.03117	292.21260	20.07686	0.1497621	0.17759639	3.1345843	20	7 8.6	18.0
126470 2002 CL_{41}	16.4	X	98.30909	256.20962	184.93027	12.68143	0.2490137	0.22424302	2.6832229	20	4 5.2	20.1
126471 2002 CA_{42}	15.8	X	131.84904	258.83531	190.58615	12.34045	0.2340050	0.23064976	2.6333022	20	5 17.7	20.2
126472 2002 CF_{42}	15.9	X	160.84028	273.94537	215.14780	9.60562	0.1552737	0.23631021	2.5910814	20	7 25.0	20.2
126473 2002 CA_{43}	15.4	X	343.55883	323.70774	164.52905	13.24416	0.1251707	0.21087800	2.7954294	20	—	—
126474 2002 CM_{43}	14.4	X	2.68415	104.13474	150.04747	1.66428	0.1579978	0.17395683	3.1781549	20	6 11.6	17.8
126475 2002 CE_{45}	16.1	X	233.39607	333.06692	125.48385	3.05485	0.0614704	0.24398926	2.5364263	20	9 14.7	19.4
126476 2002 CO_{47}	15.0	X	55.75384	38.46179	255.88049	10.54719	0.0722718	0.19332884	2.9621357	20	10 15.3	19.3
126477 2002 CB_{48}	15.5	X	190.60650	164.54039	238.69378	8.27112	0.2405590	0.23405755	2.6076799	20	5 6.2	20.1
126478 2002 CH_{48}	15.3	X	17.51451	298.04116	283.39191	10.31491	0.1390750	0.22819757	2.6521334	20	5 21.9	18.1
126479 2002 CJ_{48}	15.1	X	54.57293	287.90113	288.01441	11.04841	0.1247029	0.23303721	2.6152861	20	7 17.3	18.3
126480 2002 CD_{49}	15.7	X	8.90433	315.32954	107.31784	3.20141	0.0524669	0.20678392	2.8322062	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126481 2002 CU_{49}	15.0	X	222.81639	199.67455	285.78077	10.91292	0.0367234	0.19317318	2.9637267	20	9 25.2	19.5
126482 2002 CB_{51}	15.4	X	145.29894	331.83656	322.60919	8.01926	0.2345185	0.25760830	2.4462236	20	—	—
126483 2002 CC_{51}	16.0	X	27.62871	287.45879	319.09096	2.84665	0.1553234	0.23210725	2.6222670	20	7 22.5	18.6
126484 2002 CU_{51}	16.1	X	116.16569	338.77700	162.40514	7.95341	0.1543277	0.23047532	2.6346308	20	6 28.7	20.2
126485 2002 CA_{53}	14.8	X	1.13159	160.82955	125.30976	10.37496	0.0959242	0.18343043	3.0677629	20	7 21.5	18.4
126486 2002 CS_{53}	16.0	X	266.86075	75.49471	171.85105	2.75116	0.1561316	0.26707784	2.3880540	20	1 4.1	19.5
126487 2002 CE_{54}	16.5	X	258.64484	236.08890	311.84193	1.73511	0.1467804	0.25865099	2.4396449	20	—	—
126488 2002 CD_{55}	15.7	X	128.03094	285.19822	317.20035	3.74644	0.1394164	0.24548723	2.5260975	20	11 15.6	19.8
126489 2002 CS_{55}	16.1	X	353.64591	335.64963	174.16849	2.12583	0.1501118	0.26768443	2.3844450	20	—	—
126490 2002 CB_{56}	15.4	X	64.06502	259.75216	331.12418	13.82696	0.0638460	0.23454644	2.6040550	20	8 13.6	18.7
126491 2002 CC_{56}	15.7	X	166.06688	226.33636	322.77424	5.18074	0.1098541	0.24405669	2.5359590	20	10 16.5	19.7
126492 2002 CQ_{56}	14.5	X	335.43519	280.24510	344.04764	8.30239	0.2936007	0.22146526	2.7056127	20	4 8.4	17.2
126493 2002 CB_{57}	15.9	X	186.57463	312.62248	297.16023	1.63509	0.1533326	0.25508113	2.4623540	20	—	—
126494 2002 CG_{57}	15.5	X	332.79642	263.88776	295.67083	2.85003	0.0365931	0.21734888	2.7396670	20	2 14.9	19.0
126495 2002 CO_{57}	15.3	X	281.05684	124.59137	344.62482	1.37864	0.0571421	0.19743499	2.9209220	20	11 21.8	19.1
126496 2002 CM_{59}	15.0	X	342.36112	342.46592	4.36837	3.10594	0.1718736	0.24030751	2.5622676	20	9 24.7	17.3
126497 2002 CQ_{59}	15.3	X	35.73515	234.14550	341.47820	13.48662	0.0133935	0.22882136	2.6473113	20	5 31.8	19.1
126498 2002 CK_{61}	15.2	X	356.85644	165.87200	108.92136	16.03480	0.1037098	0.23364001	2.6107858	20	7 1.9	17.9
126499 2002 CX_{61}	14.8	X	319.97073	244.88129	95.37177	12.86225	0.1338960	0.18600229	3.0394186	20	7 25.1	18.5
126500 2002 CA_{62}	15.9	X	1.65124	340.81333	53.42464	7.19951	0.2503156	0.25781872	2.4448924	20	—	—
126501 2002 CT_{62}	15.3	X	2.32614	151.99761	100.61210	13.71855	0.0155223	0.23178305	2.6247116	20	6 8.9	18.8
126502 2002 CZ_{62}	15.9	X	232.12761	320.18782	104.95197	13.86353	0.1195474	0.24019194	2.5630894	20	7 20.8	19.5
126503 2002 CE_{63}	15.6	X	319.46763	74.94022	72.87848	7.42771	0.0719481	0.26382396	2.4076493	20	—	—
126504 2002 CU_{63}	14.7	X	8.81685	257.10664	78.57343	10.89768	0.0666759	0.19180115	2.9778438	20	10 12.6	18.7
126505 2002 CA_{64}	15.0	X	350.67170	272.22666	18.67449	12.78062	0.1927855	0.23366287	2.6106155	20	7 19.4	17.6
126506 2002 CC_{64}	15.8	X	182.57351	51.77789	62.96594	9.49848	0.0436933	0.23828021	2.5767804	20	8 6.7	19.5
126507 2002 CU_{64}	15.6	X	303.75493	195.50113	102.34030	13.77059	0.0140258	0.23077251	2.6323684	20	5 21.9	19.2
126508 2002 CQ_{67}	16.0	X	175.21456	60.41331	335.73503	1.01756	0.1673848	0.23087883	2.6315602	20	4 14.3	20.2
126509 2002 CA_{69}	16.6	X	61.49784	41.88857	338.59367	4.31942	0.1588296	0.26417325	2.4055266	20	—	—
126510 2002 CN_{69}	16.3	X	218.79091	268.48419	351.55873	1.92273	0.1888189	0.26400872	2.4065259	20	—	—
126511 2002 CM_{70}	16.3	X	180.13463	132.46970	120.23160	5.99360	0.1550063	0.25706749	2.4496532	20	—	—
126512 2002 CB_{71}	15.5	X	74.30673	100.87919	133.83960	2.57948	0.1454271	0.23822346	2.5771896	20	9 13.1	19.0
126513 2002 CY_{71}	15.7	X	270.53835	193.92609	34.36552	2.49704	0.0201209	0.21509992	2.7587301	20	1 7.1	19.5
126514 2002 CK_{74}	14.9	X	232.54623	302.74237	24.42164	3.78678	0.0678147	0.17077862	3.2174641	20	3 24.5	19.6
126515 2002 CY_{75}	16.3	X	182.41194	209.99929	43.94535	2.47470	0.0719961	0.25820229	2.4424705	20	—	—
126516 2002 CB_{77}	15.9	X	98.00377	25.63203	84.81835	2.92511	0.0332109	0.22560852	2.6723852	20	4 12.0	19.4
126517 2002 CJ_{77}	15.2	X	92.65596	269.75644	9.95800	2.03306	0.0587957	0.19516768	2.9435005	20	11 11.6	19.4
126518 2002 CE_{78}	15.7	X	79.67846	212.00088	5.40150	4.53796	0.0644790	0.23723661	2.5843316	20	8 16.6	19.1
126519 2002 CO_{78}	15.4	X	37.38409	146.02005	123.45921	5.44507	0.2119745	0.23627503	2.5913386	20	9 22.6	18.5
126520 2002 CT_{78}	16.0	X	266.27043	204.31675	135.80959	5.52442	0.0544452	0.23080592	2.6321143	20	5 19.7	19.6
126521 2002 CP_{80}	14.8	X	25.57202	315.73104	334.91417	9.49805	0.0708084	0.18619302	3.0373427	20	9 1.4	18.7
126522 2002 CK_{81}	16.4	X	259.16604	95.06121	334.15137	13.40762	0.1819420	0.24540606	2.5266545	20	8 21.3	19.5
126523 2002 CM_{81}	16.3	X	227.21218	76.92354	25.74054	3.37457	0.0932840	0.24393846	2.5367784	20	9 7.9	19.9
126524 2002 CZ_{81}	16.0	X	92.70078	111.81476	140.29000	4.96684	0.1476704	0.24220198	2.5488890	20	10 27.6	19.9
126525 2002 CB_{82}	15.6	X	40.21436	315.68689	15.77208	1.00909	0.0587253	0.19483079	2.9468927	20	11 12.5	19.6
126526 2002 CJ_{82}	15.9	X	24.83531	150.50970	127.55644	3.12237	0.1367199	0.23613329	2.5923755	20	8 31.3	18.6
126527 2002 CA_{83}	16.4	X	205.06794	195.78520	54.68649	2.89674	0.1719184	0.25819379	2.4425241	20	—	—
126528 2002 CN_{83}	15.5	X	14.77237	137.48879	118.98581	5.53221	0.0721104	0.23203018	2.6228477	20	7 4.5	18.5
126529 2002 CT_{83}	16.2	X	268.51131	283.81233	130.14815	8.73316	0.2101009	0.24446586	2.5331286	20	8 7.5	19.5
126530 2002 CC_{84}	15.5	X	275.39481	5.88048	334.78261	11.31478	0.0690071	0.23118946	2.6292025	20	5 25.9	19.3
126531 2002 CZ_{84}	16.4	X	240.60578	305.47582	70.55057	1.06032	0.0672217	0.23485789	2.6017523	20	5 31.6	19.8
126532 2002 CO_{86}	16.0	X	53.25655	270.62009	132.32557	4.74293	0.1008017	0.21070624	2.7969484	20	—	—
126533 2002 CQ_{86}	16.3	X	315.40598	81.09161	1.74741	1.55555	0.0992491	0.20187939	2.8778936	20	12 6.9	19.8
126534 2002 CT_{86}	16.3	X	235.98640	246.14886	143.06855	5.60531	0.0772250	0.23542792	2.5975509	20	6 12.1	19.9
126535 2002 CX_{86}	15.7	X	311.59019	356.59834	319.24421	5.65967	0.1326550	0.23427012	2.6061022	20	6 6.8	18.8
126536 2002 CU_{88}	15.8	X	2.66409	32.89434	5.08007	2.04737	0.2015055	0.25720774	2.4487627	20	—	—
126537 2002 CW_{89}	15.0	X	164.70486	19.82692	330.44174	16.48402	0.1357869	0.21709013	2.7418435	20	2 10.7	19.3
126538 2002 CJ_{90}	14.9	X	7.87363	302.65635	6.61077	4.14331	0.0668032	0.18625779	3.0366385	20	9 1.1	18.7
126539 2002 CU_{90}	16.1	X	188.70354	89.62202	145.74251	3.78746	0.1289744	0.25415232	2.4683496	20	—	—
126540 2002 CV_{91}	16.4	X	167.63153	91.23886	1.02083	2.42636	0.1551806	0.23370994	2.6102649	20	6 16.9	20.6
126541 2002 CC_{92}	15.6	X	276.28895	330.40151	344.66576	11.37450	0.0975840	0.22682087	2.6628541	20	4 16.3	19.4
126542 2002 CR_{92}	15.6	X	242.97019	215.18118	83.15921	3.23121	0.0591494	0.22114188	2.7082498	20	2 26.8	19.5
126543 2002 CX_{92}	15.9	X	195.22655	190.03955	81.97981	3.32864	0.1626271	0.26161472	2.4211847	20	—	—
126544 2002 CU_{93}	16.5	X	348.19936	332.40997	92.73557	3.62086	0.1774551	0.25804347	2.4434725	20	—	—
126545 2002 CV_{93}	16.1	X	115.97791	110.86129	125.64440	4.68820	0.1818712	0.24255032	2.5464480	20	11 1.5	20.2
126546 2002 CX_{93}	16.4	X	300.07314	298.38812	147.34713	11.06744	0.1570340	0.25302691	2.4756633	20	12 1.2	18.9
126547 2002 CL_{94}	15.2	X	99.47111	46.54466	95.81380	3.09813	0.0119420	0.17492485	3.1664190	20	5 23.1	19.5
126548 2002 CB_{95}	14.9	X	124.33194	87.16821	105.50154	2.27740	0.1288900	0.18541329	3.0458520	20	9 6.4	19.7
126549 2002 CF_{95}	15.8	X	171.17399	162.99830	139.07131	1.90804	0.1837247	0.26133938	2.4228850	20	—	—
126550 2002 CJ_{98}	14.9	X	36.42679	94.64757	154.63044	11.71142	0.0111701	0.18039693	3.1020583	20	7 16.7	19.3
126551 2002 CM_{98}	15.9	X	120.17837	296.58740	135.44569	2.62418	0.0701293	0.22204440	2.7009062	20	3 26.5	19.6
126552 2002 CV_{98}	15.7	X	153.71688	307.62995	124.38505	5.84002	0.0704280	0.22724384	2.6595489	20	5 6.2	19.6
126553 2002 CF_{99}	15.9	X	26.60729	100.07642	135.94394	6.67429	0.1501819	0.22862292	2.6488429	20	7 3.2	18.7
126554 2002 CT_{101}	15.3	X	333.01535	204.60909	12.21294	5.46065	0.1734786	0.21763177	2.7372924	20	2 22.2	18.4
126555 2002 CC_{102}	15.6	X	217.62214	211.05519	0.59425	2.04844	0.1500153	0.25403415	2.4691150	20	—	—
126556 2002 CJ_{102}	15.4	X	26.19072	34.32118	1.73553	1.66934	0.1027755	0.20197883	2.8769489	20	—	—
126557 2002 CT_{102}	15.7	X	26.23814	120.52694	34.18652	3.12352	0.1204226	0.21894739	2.7263161	20	3 5.5	18.6
126558 2002 CD_{104}	14.3	X	1.10434	137.70472	158.97554	10.21779	0.0487150	0.18067825	3.0988374	20	8 1.5	18.4
126559 2002 CG_{104}	15.2	X	68.36643	96.00517	120.03702	2.35163	0.1145079	0.17850668	3.1239188	20	7 31.7	19.4
126560 2002 CD_{105}	15.6	X	58.78457	71.57075	141.18848	5.60872	0.0440801	0.23078236	2.6322935	20	7 6.4	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126561 2002 CF_{105}	14.8	X	353.68350	130.51708	122.88895	2.25372	0.1113225	0.17246467	3.1964602	20	5 25.8	18.6
126562 2002 CM_{105}	15.7	X	113.55271	324.76825	162.22485	12.59285	0.1234257	0.22819608	2.6521450	20	6 5.8	19.8
126563 2002 CH_{106}	15.6	X	81.17872	322.40496	149.86979	11.25358	0.0396612	0.22020607	2.7159172	20	3 25.7	19.2
126564 2002 CK_{106}	15.6	X	90.43613	12.58489	111.52284	3.37146	0.0139473	0.22296091	2.6934995	20	4 17.6	19.2
126565 2002 CX_{106}	15.0	X	168.66819	87.99176	115.49264	2.49556	0.0808702	0.19168083	2.9790899	20	11 2.3	19.5
126566 2002 CY_{106}	14.9	X	357.04277	170.36876	151.99506	10.88348	0.0326130	0.18389214	3.0626258	20	8 30.7	18.8
126567 2002 CG_{107}	16.6	X	348.82878	55.60058	93.13282	3.47277	0.1564577	0.26607444	2.3940540	20	—	—
126568 2002 CO_{107}	15.5	X	113.38725	347.13516	136.54970	6.37444	0.0897878	0.22688919	2.6623196	20	5 27.7	19.3
126569 2002 CT_{107}	15.7	X	246.79534	86.27025	351.72873	21.75072	0.0977747	0.24031820	2.5621916	20	9 1.9	19.1
126570 2002 CX_{108}	15.8	X	194.38634	334.50112	152.70916	9.83449	0.2083337	0.24032900	2.5621149	20	8 23.7	20.0
126571 2002 CN_{110}	15.2	X	21.28844	172.99042	61.49837	1.99144	0.1380495	0.17419397	3.1752699	20	6 17.5	19.0
126572 2002 CX_{110}	15.2	X	132.99237	4.05842	154.68818	10.32759	0.0295120	0.18068847	3.0987206	20	7 25.7	19.7
126573 2002 CF_{111}	14.7	X	56.79213	83.28874	157.21224	9.42905	0.0735500	0.18014062	3.1050000	20	8 9.9	18.9
126574 2002 CM_{112}	15.4	X	29.97952	222.87737	11.32535	13.65760	0.1477586	0.22612893	2.6682834	20	7 9.3	18.7
126575 2002 CA_{113}	15.9	X	26.30284	125.06300	134.99001	5.78651	0.1336607	0.23407182	2.6075739	20	8 5.8	18.8
126576 2002 CA_{114}	15.8	X	162.33216	75.93311	29.32319	7.43941	0.1496191	0.23489791	2.6014568	20	6 28.9	20.1
126577 2002 CR_{114}	15.3	X	174.35139	30.27693	130.87466	15.46393	0.0453721	0.24142083	2.5543842	20	9 30.3	19.1
126578 Suhhosoo	15.4	X	356.08988	66.17609	317.25066	0.99843	0.1108157	0.19479884	2.9472149	20	11 22.9	19.0
126579 2002 CE_{119}	16.0	X	135.26960	316.50086	165.21122	1.20168	0.0758865	0.23452585	2.6042074	20	6 17.4	19.7
126580 2002 CH_{119}	16.3	X	225.07681	295.54663	304.62592	0.54485	0.1427245	0.26290354	2.4132655	20	—	—
126581 2002 CZ_{119}	16.0	X	315.72770	347.16185	147.00882	9.26797	0.1409867	0.26279764	2.4139137	20	—	—
126582 2002 CZ_{122}	15.3	X	98.73884	227.84700	162.73393	3.46164	0.2453959	0.27191310	2.3596593	20	1 22.4	17.8
126583 2002 CZ_{123}	16.5	X	51.68336	217.01171	162.95908	1.32067	0.1930994	0.26239137	2.4164048	20	—	—
126584 2002 CV_{125}	15.1	X	69.67449	319.31206	276.05745	2.77031	0.2455988	0.18108236	3.0942255	20	9 12.7	19.7
126585 2002 CY_{125}	16.4	X	63.46636	306.53098	241.29297	0.24463	0.0733819	0.23029105	2.6360360	20	6 13.1	19.6
126586 2002 CV_{127}	16.5	X	126.82897	276.20845	87.49939	3.54050	0.1813436	0.27132630	2.3630602	20	1 14.9	19.4
126587 2002 CX_{127}	15.8	X	275.18472	345.91863	228.50024	1.67816	0.0141760	0.21399886	2.7681848	20	—	—
126588 2002 CF_{128}	16.8	X	350.60727	194.65403	223.90846	0.90479	0.1808723	0.25876185	2.4389481	20	—	—
126589 2002 CG_{128}	16.4	X	194.49771	210.71379	208.23781	1.47851	0.0935667	0.23387019	2.6090724	20	6 1.9	20.1
126590 2002 CJ_{128}	16.9	X	50.91883	253.17399	168.17691	6.71824	0.1297999	0.26709479	2.3879530	20	—	—
126591 2002 CT_{128}	16.6	X	249.26437	317.03488	257.75436	2.26436	0.0597835	0.26239878	2.4163593	20	—	—
126592 2002 CU_{128}	15.5	X	340.17423	103.08126	309.01815	11.01691	0.0398827	0.19953274	2.9004137	20	12 1.6	19.5
126593 2002 CC_{129}	16.6	X	31.18123	263.97785	169.06548	6.19484	0.0952007	0.26465519	2.4026053	20	—	—
126594 2002 CD_{129}	16.1	X	6.52241	300.44409	309.99677	2.91302	0.2289260	0.22830385	2.6513103	20	6 19.4	18.2
126595 2002 CM_{129}	15.5	X	157.36912	73.07546	315.31792	13.04312	0.1379507	0.22345772	2.6895057	20	3 13.0	19.8
126596 2002 CO_{129}	15.6	X	328.67009	231.16829	299.63577	3.17168	0.0105658	0.21418822	2.7665530	20	1 8.9	19.4
126597 2002 CM_{132}	16.0	X	97.10790	100.17058	159.83493	5.85139	0.1987839	0.24231747	2.5480790	20	11 14.1	20.2
126598 2002 CC_{134}	14.9	X	352.18718	160.09250	155.03445	10.51138	0.2228814	0.23663591	2.5887033	20	8 30.7	16.6
126599 2002 CU_{134}	15.3	X	342.29594	89.29752	173.54569	2.58726	0.0605687	0.22642788	2.6659344	20	5 21.9	18.4
126600 2002 CA_{136}	16.0	X	4.48584	356.86456	157.79446	10.08016	0.1236971	0.27309977	2.3528189	20	1 12.4	18.4
126601 2002 CB_{136}	16.0	X	269.02395	40.05192	168.57729	6.82089	0.0683993	0.26671626	2.3902118	20	—	—
126602 2002 CD_{136}	16.0	X	16.17170	321.52276	165.70504	8.55671	0.0542907	0.27129992	2.3632134	20	—	—
126603 2002 CP_{136}	16.3	X	60.53772	348.54638	188.38641	4.98693	0.0985873	0.28406955	2.2918504	20	5 29.1	18.8
126604 2002 CW_{137}	15.1	X	112.82524	61.17611	282.89995	12.18805	0.0346593	0.20993527	2.8037919	20	—	—
126605 2002 CT_{140}	15.7	X	23.89983	247.82423	219.19675	4.15414	0.1236603	0.21634422	2.7481421	20	—	—
126606 2002 CS_{141}	15.3	X	37.19823	255.22003	316.73056	10.58470	0.1557925	0.22659158	2.6646502	20	6 18.4	18.4
126607 2002 CM_{143}	15.9	X	204.21232	348.66845	261.74255	3.26762	0.0210152	0.21061496	2.7977564	20	—	—
126608 2002 CW_{143}	16.2	X	211.43260	72.21263	168.10967	8.31662	0.0814966	0.25912416	2.4366741	20	—	—
126609 2002 CB_{144}	16.1	X	215.48485	123.94985	293.38423	4.24213	0.2152590	0.23717920	2.5847486	20	6 14.4	20.3
126610 2002 CS_{144}	15.4	X	356.28571	17.64878	315.42655	4.30159	0.1377872	0.24142153	2.5543793	20	9 27.6	18.1
126611 2002 CQ_{145}	16.3	X	104.75651	74.48526	168.61224	10.44552	0.1686905	0.24071659	2.5593639	20	10 30.2	20.4
126612 2002 CW_{145}	16.1	X	119.21446	72.29681	180.45641	5.19052	0.2146192	0.24446297	2.5331485	20	11 24.1	20.4
126613 2002 CT_{147}	16.8	X	122.72888	239.74227	118.71336	3.60586	0.0975694	0.26800975	2.3825151	20	—	—
126614 2002 CE_{148}	15.7	X	266.91882	216.33155	357.82757	3.30827	0.0372280	0.21176379	2.7876286	20	—	—
126615 2002 CR_{148}	16.9	X	239.65414	117.45049	163.16751	4.94753	0.2266977	0.26875522	2.3781073	20	1 16.1	20.9
126616 2002 CF_{149}	16.2	X	329.14113	235.90289	292.80710	3.14793	0.0766441	0.21392583	2.7688147	20	—	—
126617 2002 CW_{151}	15.2	X	30.45228	219.85968	99.20709	3.04701	0.0707229	0.18918093	3.0052768	20	10 17.4	19.3
126618 2002 CA_{154}	15.8	X	27.61908	309.41821	154.41754	3.13095	0.0770633	0.21174098	2.7878288	20	—	—
126619 2002 CX_{154}	7.2	X	15.50791	161.60746	347.01864	16.00458	0.4647753	0.00164377	71.1064542	20	3 29.8	23.4
126620 2002 CM_{155}	14.9	X	293.11133	328.39963	331.84546	13.15516	0.1725875	0.23134869	2.6279959	20	4 5.3	18.6
126621 2002 CA_{157}	15.2	X	354.47718	257.27517	34.38766	2.83204	0.0697789	0.18355469	3.0663782	20	7 18.6	19.1
126622 2002 CO_{158}	16.5	X	219.14507	293.25037	339.72847	2.21163	0.1635536	0.26471949	2.4022163	20	—	—
126623 2002 CJ_{160}	15.9	X	89.13220	23.12967	48.76947	4.28861	0.0925027	0.22282158	2.6946222	20	2 19.7	19.4
126624 2002 CK_{162}	15.1	X	172.94574	10.79807	336.39250	12.53158	0.1934982	0.22047659	2.7136952	20	2 16.8	19.6
126625 2002 CG_{163}	15.4	X	350.51812	181.99676	115.28125	16.33423	0.1571602	0.23632162	2.5909980	20	7 25.2	17.7
126626 2002 CN_{163}	16.2	X	278.32304	6.34036	52.79862	3.55209	0.1513484	0.24740322	2.5130386	20	9 11.0	19.0
126627 2002 CQ_{163}	15.6	X	44.02368	261.66038	36.30721	3.91865	0.1095920	0.24473410	2.5312773	20	10 23.6	18.8
126628 2002 CS_{163}	15.9	X	7.94787	118.98712	28.56198	4.54806	0.0901131	0.21740623	2.7391852	20	1 26.3	19.1
126629 2002 CK_{164}	16.5	X	110.07691	5.05408	3.69286	4.14038	0.0418373	0.26709297	2.3879638	20	—	—
126630 2002 CM_{164}	15.7	X	3.65223	35.80956	76.01077	4.89635	0.0552679	0.21233128	2.7826595	20	—	—
126631 2002 CO_{164}	15.7	X	96.34538	329.91583	85.23512	5.61540	0.0853236	0.21862867	2.7289651	20	2 6.9	19.3
126632 2002 CW_{164}	16.7	X	172.40165	118.81004	10.84596	3.77455	0.1552006	0.23991567	2.5650567	20	8 10.2	20.7
126633 2002 CE_{165}	15.0	X	171.59676	79.50290	115.41647	10.02219	0.0999870	0.19412267	2.9540547	20	10 29.1	19.7
126634 2002 CB_{167}	16.7	X	203.99117	143.84172	342.36833	11.99475	0.2170038	0.24408718	2.5357479	20	8 31.5	20.7
126635 2002 CM_{169}	16.2	X	334.17741	123.19983	50.07844	4.35617	0.1708464	0.26753556	2.3853295	20	—	—
126636 2002 CL_{170}	15.5	X	264.62392	32.07424	28.18830	6.29304	0.2042551	0.24367574	2.5386014	20	8 14.5	18.8
126637 2002 CM_{170}	16.0	X	162.59079	80.23948	33.30196	5.55738	0.2594098	0.23569807	2.5955657	20	7 11.8	20.6
126638 2002 CW_{173}	15.8	X	45.07596	89.14553	142.25367	13.65725	0.1329678	0.23027810	2.6361349	20	7 25.5	19.0
126639 2002 CG_{174}	15.7	X	51.80743	54.75567	77.76758	3.49529	0.0020757	0.21917841	2.7244000	20	3 7.9	19.4
126640 2002 CJ_{174}	15.5	X	61.08651	173.84175	7.85854	12.63559	0.1015237	0.22678266	2.6631532	20	6 2.5	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126641 2002 CK_{174}	14.9	X	110.22382	142.71984	47.56535	6.72003	0.1396696	0.18159406	3.0884101	20	8 23.0	19.7
126642 2002 CA_{176}	16.2	X	279.26293	167.47035	46.71797	3.23514	0.1222624	0.26809871	2.3819880	20	—	—
126643 2002 CJ_{176}	16.6	X	152.13338	282.30814	77.76741	3.38637	0.1806529	0.27540394	2.3396772	20	2 7.1	20.0
126644 2002 CU_{176}	15.5	X	89.27821	173.79579	43.86220	1.16670	0.1052433	0.18690143	3.0296629	20	8 28.3	20.0
126645 2002 CA_{178}	16.5	X	174.32897	228.59922	132.76271	3.45435	0.1717059	0.27824931	2.3236996	20	2 28.6	20.1
126646 2002 CN_{179}	15.9	X	4.50433	303.57436	321.40664	5.28310	0.1065212	0.23416655	2.6068706	20	7 1.9	18.6
126647 2002 CR_{182}	16.2	X	311.83761	35.58985	37.56969	2.26293	0.0469460	0.19974952	2.8983148	20	11 20.2	19.9
126648 2002 CV_{193}	15.2	X	89.97467	121.08869	29.34308	3.81163	0.0388763	0.17630871	3.1498282	20	5 24.2	19.6
126649 2002 CA_{195}	14.9	X	218.79160	219.29211	132.45114	5.72447	0.1517893	0.17351479	3.1835502	20	4 5.2	20.0
126650 2002 CP_{197}	15.6	X	106.58216	312.14024	10.89143	1.84847	0.0694447	0.20429385	2.8551736	20	—	—
126651 2002 CY_{198}	15.4	X	72.11702	193.81712	115.73228	3.24361	0.0712417	0.19676711	2.9275279	20	11 27.3	19.5
126652 2002 CM_{199}	16.2	X	351.45265	254.14411	358.38950	1.53659	0.0415570	0.22951265	2.6419928	20	5 21.4	19.3
126653 2002 CC_{201}	15.6	X	288.64122	0.82424	327.61632	11.15971	0.0835145	0.23207017	2.6225463	20	5 25.6	19.2
126654 2002 CZ_{201}	16.1	X	357.30621	109.57415	343.91649	7.43563	0.1441007	0.26302120	2.4125457	20	—	—
126655 2002 CT_{202}	15.3	X	258.47270	139.93666	143.88604	9.94288	0.1413087	0.21881215	2.7274393	20	2 17.2	19.4
126656 2002 CY_{202}	16.6	X	211.90063	81.15789	335.43840	1.65288	0.2217204	0.23737207	2.5833483	20	6 9.9	21.0
126657 2002 CZ_{202}	15.5	X	70.29414	295.15657	326.01644	11.22036	0.1404851	0.24084324	2.5584665	20	10 6.3	19.3
126658 2002 CW_{203}	15.1	X	39.28421	188.05155	108.98449	3.01709	0.0827112	0.18920642	3.0050069	20	10 3.1	19.1
126659 2002 CF_{205}	15.8	X	59.19410	108.63778	138.82055	4.67660	0.1678249	0.23607841	2.5927772	20	9 14.6	19.2
126660 2002 CB_{206}	15.3	X	32.30516	137.90711	142.61841	2.32983	0.1729519	0.18363765	3.0654547	20	9 12.7	19.0
126661 2002 CQ_{206}	15.5	X	325.62126	264.30611	48.61789	3.55594	0.1670293	0.23401887	2.6079673	20	6 24.5	18.0
126662 2002 CG_{209}	15.6	X	67.02790	187.91760	112.06758	3.07207	0.0698918	0.19312063	2.9642644	20	11 9.2	19.7
126663 2002 CK_{209}	16.0	X	191.72566	92.89141	342.21628	12.91300	0.1346749	0.23487591	2.6016192	20	6 18.8	20.4
126664 2002 CV_{209}	15.2	X	272.42384	58.77372	30.54099	2.06081	0.0164927	0.19342492	2.9611547	20	10 21.0	19.2
126665 2002 CD_{210}	15.9	X	94.89415	51.61508	341.71504	2.36048	0.0857424	0.21289999	2.7777018	20	1 8.3	19.5
126666 2002 CO_{210}	15.9	X	252.84334	16.30122	105.18838	3.19539	0.0581218	0.19560803	2.9390812	20	11 1.2	19.9
126667 2002 CQ_{212}	15.8	X	129.96572	27.03503	325.24935	2.89254	0.1069565	0.21275881	2.7789304	20	1 3.9	19.6
126668 2002 CR_{212}	15.7	X	64.00092	140.85452	136.23887	2.21268	0.0971861	0.18981739	2.9985552	20	10 11.4	19.8
126669 2002 CV_{212}	15.1	X	300.05486	101.03038	159.19942	1.28752	0.1118278	0.16848839	3.2465548	20	3 15.2	19.5
126670 2002 CK_{214}	15.8	X	78.00643	210.25661	127.15211	6.04708	0.1201561	0.25477907	2.4642998	20	—	—
126671 2002 CJ_{215}	16.3	X	125.31009	110.74680	133.08023	1.97443	0.1471121	0.24501801	2.5293215	20	11 16.6	20.4
126672 2002 CL_{215}	16.4	X	87.18009	123.69622	143.74596	1.23302	0.0670537	0.24436834	2.5338024	20	10 31.9	19.8
126673 2002 CG_{216}	15.3	X	207.50277	100.20964	35.03984	2.35100	0.0423361	0.18996251	2.9970279	20	9 24.9	19.6
126674 2002 CR_{216}	15.5	X	218.16786	9.05209	126.94828	2.96384	0.0508538	0.19162205	2.9796990	20	10 8.3	19.7
126675 2002 CW_{217}	14.7	X	338.39390	155.42710	105.84931	2.74457	0.1542474	0.17155759	3.2077173	20	5 7.6	18.5
126676 2002 CD_{218}	15.1	X	0.49532	205.39081	40.84447	1.73978	0.1223447	0.17297470	3.1901736	20	5 26.9	18.9
126677 2002 CO_{218}	15.2	X	159.15966	140.75599	84.47315	3.16126	0.0475437	0.19453334	2.9498959	20	11 19.3	19.4
126678 2002 CS_{218}	15.6	X	274.75277	54.72649	46.07790	2.57424	0.0526788	0.19465205	2.9486965	20	11 3.2	19.5
126679 2002 CX_{218}	15.0	X	0.18495	253.85955	146.99297	2.54880	0.0887252	0.19846375	2.9108193	20	12 20.4	18.6
126680 2002 CD_{219}	15.9	X	103.71991	199.95788	73.90132	3.26219	0.0883245	0.24649090	2.5192357	20	11 29.5	19.4
126681 2002 CP_{219}	15.2	X	263.69807	76.51917	25.56468	2.01818	0.0444421	0.19255610	2.9700552	20	10 21.8	19.2
126682 2002 CZ_{219}	15.2	X	70.16487	307.81632	42.50361	2.98215	0.0603664	0.19930220	2.9026499	20	—	—
126683 2002 CW_{220}	15.3	X	32.64103	184.75199	161.19030	13.17074	0.1213215	0.24702990	2.5155697	20	12 14.1	18.8
126684 2002 CZ_{220}	16.2	X	177.72885	118.52298	148.50185	3.42149	0.1564303	0.25602677	2.4562871	20	—	—
126685 2002 CT_{221}	15.5	X	104.83374	333.50275	151.11550	6.58328	0.0967589	0.22536533	2.6743074	20	5 19.7	19.3
126686 2002 CC_{222}	15.6	X	1.86353	185.01584	137.62690	3.59587	0.0958446	0.19016442	2.9949061	20	9 12.2	19.2
126687 2002 CH_{222}	16.1	X	132.35093	31.18199	273.25237	0.52263	0.1871761	0.26000222	2.4311850	20	—	—
126688 2002 CW_{222}	15.7	X	313.04999	67.57920	263.34529	2.62630	0.1731282	0.23645104	2.5900524	20	6 26.3	18.4
126689 2002 CO_{224}	15.8	X	241.27300	114.16413	159.20486	2.16879	0.0254525	0.21438592	2.7648519	20	1 26.7	19.6
126690 2002 CQ_{225}	15.2	X	124.32319	284.60817	313.07254	13.90056	0.1204729	0.24431072	2.5342009	20	10 31.8	19.4
126691 2002 CW_{225}	16.1	X	50.98850	242.55359	163.95649	6.58780	0.0531463	0.21097793	2.7945466	20	—	—
126692 2002 CK_{227}	15.7	X	187.15964	176.55196	218.90946	5.21794	0.2323899	0.23231936	2.6206706	20	4 24.5	20.2
126693 2002 CZ_{227}	16.4	X	348.22503	68.09989	178.11367	8.88536	0.2008651	0.27968672	2.3157312	20	4 24.7	18.0
126694 2002 CO_{228}	15.6	X	53.78708	302.30901	253.98818	5.23417	0.2145185	0.22768425	2.6561182	20	7 3.0	18.7
126695 2002 CS_{228}	15.1	X	34.16645	93.21954	206.49875	7.00989	0.1225870	0.24124118	2.5556522	20	10 12.9	18.2
126696 2002 CJ_{229}	15.7	X	102.47049	2.68854	285.25556	0.67440	0.0693640	0.20014075	2.8945365	20	12 4.7	20.0
126697 2002 CW_{229}	15.5	X	169.62747	279.33517	355.79391	1.41532	0.0121743	0.20419919	2.8560559	20	—	—
126698 2002 CJ_{232}	14.9	X	21.86410	201.52173	321.65812	10.00657	0.1613044	0.21779948	2.7358870	20	3 5.7	17.7
126699 2002 CM_{232}	16.2	X	204.49761	184.09679	93.07957	3.37916	0.1628392	0.26338694	2.4103118	20	—	—
126700 2002 CU_{232}	15.5	X	302.65031	159.24003	82.29091	10.22395	0.0994802	0.21725744	2.7404357	20	2 24.9	19.3
126701 2002 CL_{233}	15.6	X	321.87971	331.51443	297.49583	6.01369	0.2681313	0.22444485	2.6816141	20	3 24.2	18.7
126702 2002 CV_{233}	15.3	X	8.39067	310.26030	173.72139	9.03903	0.1352810	0.21267698	2.7796432	20	—	—
126703 2002 CO_{239}	15.8	X	196.48858	169.82714	228.55385	1.28034	0.0683810	0.22730196	2.6590955	20	5 8.8	19.7
126704 2002 CV_{239}	15.9	X	85.57021	49.49164	184.77840	7.40212	0.1521895	0.23667243	2.5884370	20	9 25.1	19.7
126705 2002 CH_{240}	16.0	X	189.96416	298.09147	185.14815	8.96738	0.0703295	0.23859621	2.5745047	20	8 20.1	19.7
126706 2002 CT_{240}	16.0	X	122.19191	106.92275	169.73422	5.15241	0.0268318	0.25024149	2.4940003	20	12 22.3	19.4
126707 2002 CQ_{241}	15.0	X	164.62535	82.03115	312.97978	13.90292	0.0279964	0.22212819	2.7002269	20	3 20.1	19.1
126708 2002 CU_{241}	16.2	X	158.37345	256.23467	182.01282	5.03474	0.1858693	0.23012827	2.6372790	20	5 23.6	20.5
126709 2002 CB_{242}	16.1	X	96.71730	134.55041	313.72639	4.23591	0.1363656	0.22121490	2.7076538	20	3 24.7	19.7
126710 2002 CO_{242}	15.0	X	285.15948	229.40256	190.70315	9.83565	0.0764328	0.19161503	2.9797718	20	9 21.9	18.9
126711 2002 CZ_{242}	15.3	X	127.19470	317.41839	199.06390	9.32729	0.0510222	0.18054943	3.1003113	20	7 16.8	20.0
126712 2002 CE_{243}	16.0	X	11.32667	129.87658	338.58680	3.55451	0.1592094	0.21091770	2.7950787	20	—	—
126713 2002 CX_{243}	14.9	X	319.77752	15.11262	175.82156	4.18254	0.0360592	0.21270284	2.7794180	20	1 18.7	18.7
126714 2002 CU_{244}	15.3	X	145.26985	249.31935	178.72294	8.79720	0.0792691	0.22270313	2.6955776	20	4 21.7	19.2
126715 2002 CS_{245}	15.7	X	280.16498	325.41866	65.73492	6.13015	0.2828955	0.24345251	2.5401530	20	7 11.2	18.8
126716 2002 CF_{247}	16.1	X	4.14633	233.94102	350.74108	1.66415	0.0374369	0.22527908	2.6749899	20	5 1.8	19.3
126717 2002 CZ_{247}	14.5	X	57.13606	105.76891	65.15640	1.86195	0.1018678	0.16990262	3.2285140	20	5 16.6	18.7
126718 2002 CK_{248}	15.9	X	253.32124	251.62841	170.23849	5.16235	0.0527042	0.23816478	2.5776129	20	8 20.9	19.2
126719 2002 CC_{249}	6.6	X	358.99457	308.21771	248.68779	0.83299	0.1921889	0.00305554	47.0339076	20	4 4.4	22.4
126720 2002 CK_{251}	14.8	X	138.93601	190.86819	8.33162	13.17003	0.0900560	0.19182408	2.9776065	20	9 27.4	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126721 2002 CR_{251}	16.5	X	142.32680	44.04021	56.94648	6.71409	0.1148499	0.28509418	2.2863558	20	5 31.6	19.5
126722 2002 CG_{254}	15.2	X	328.09213	263.78849	112.22823	11.10347	0.1194446	0.19319534	2.9635001	20	10 3.6	18.9
126723 2002 CP_{255}	15.3	X	32.87998	349.39209	132.02667	13.77829	0.2116038	0.21679194	2.7443571	20	2 2.4	17.5
126724 2002 CB_{263}	15.2	X	352.70458	175.18136	59.68807	13.69343	0.1179107	0.22505080	2.6767984	20	4 28.9	18.2
126725 2002 CH_{263}	14.0	X	353.63084	163.05491	123.38743	29.37740	0.1850235	0.17648424	3.1477394	20	7 10.6	17.4
126726 2002 CJ_{263}	15.3	X	80.16413	175.58569	30.25600	18.25700	0.1076532	0.23324059	2.6137656	20	8 15.5	19.3
126727 2002 CK_{263}	15.5	X	139.28896	45.37031	32.00418	13.72082	0.1532477	0.22783236	2.6549669	20	4 30.3	19.7
126728 2002 CX_{267}	15.4	X	209.72304	102.78109	340.85084	13.75519	0.1625502	0.24235472	2.5478180	20	7 20.1	19.5
126729 2002 CN_{268}	15.7	X	164.81056	319.05411	88.13204	16.08418	0.1295480	0.23006880	2.6377334	20	4 24.9	20.1
126730 2002 CL_{270}	15.4	X	324.90186	288.57740	33.63138	1.27419	0.1405540	0.18183911	3.0856347	20	7 6.9	19.1
126731 2002 CT_{272}	15.4	X	274.06207	342.28764	98.26804	10.58503	0.0537803	0.24579560	2.5239843	20	10 22.6	18.7
126732 2002 CW_{272}	14.8	X	89.87796	191.36448	69.91300	11.61244	0.2903148	0.18405112	3.0608619	20	11 8.9	20.0
126733 2002 CX_{272}	15.2	X	54.13628	190.96947	89.35129	11.03656	0.1873008	0.23800357	2.5787767	20	10 28.3	18.9
126734 2002 CT_{282}	15.8	X	220.13267	346.66182	237.56706	1.13444	0.0282150	0.20574953	2.8416907	20	—	—
126735 2002 CD_{283}	16.1	X	122.30593	91.56288	320.46267	4.68443	0.0658362	0.22089294	2.7102842	20	3 1.1	19.9
126736 2002 CM_{283}	15.3	X	12.93726	144.24761	156.52079	1.39250	0.0918862	0.18371060	3.0646431	20	8 29.2	18.9
126737 2002 CE_{287}	15.5	X	153.81671	249.42132	128.38205	11.59371	0.0664756	0.21961147	2.7208173	20	2 27.4	19.4
126738 2002 CT_{288}	16.4	X	220.88322	222.32031	127.40677	7.20657	0.1338067	0.22757480	2.6569697	20	4 3.4	20.6
126739 2002 CR_{291}	15.1	X	268.39523	302.49061	150.30628	10.84736	0.0733515	0.19259707	2.9696341	20	10 15.8	19.2
126740 2002 CY_{296}	14.9	X	252.43547	222.04094	148.17912	5.73027	0.0741512	0.17629484	3.1499934	20	6 7.2	19.5
126741 2002 CY_{299}	15.1	X	223.00628	193.70840	141.32448	6.41981	0.1624587	0.17333192	3.1857891	20	3 19.4	20.3
126742 2002 CU_{304}	15.1	X	215.47776	262.87979	203.17796	9.37356	0.0515288	0.18815887	3.0161499	20	8 23.7	19.6
126743 2002 CQ_{305}	16.0	X	279.66195	18.14312	353.57113	5.50858	0.2005119	0.24324143	2.5416224	20	6 26.4	19.3
126744 2002 CW_{308}	14.8	X	220.01283	242.98934	111.43541	5.49575	0.1524806	0.17378642	3.1802322	20	4 9.7	20.0
126745 2002 CN_{311}	16.7	X	263.00738	249.42866	178.97306	3.25650	0.1545001	0.24519711	2.5280898	20	8 28.2	20.0
126746 2002 CO_{311}	16.3	X	265.04131	220.39560	175.44418	3.45431	0.0636026	0.23869774	2.5737746	20	7 30.4	19.5
126747 2002 CS_{311}	15.3	X	169.13908	22.17275	322.48716	11.48098	0.1632816	0.21634498	2.7481356	20	2 8.6	19.7
126748 Mariegerbet	15.3	X	193.40557	207.35488	345.47388	1.13795	0.0469282	0.19711410	2.9240912	20	11 18.1	19.4
126749 Johnjones	15.5	X	287.77034	40.01449	346.95900	15.15513	0.2971556	0.24522898	2.5278707	20	7 18.4	18.8
126750 2002 DX_{1}	15.2	X	204.90599	336.50174	62.37516	19.74929	0.1726744	0.23204496	2.6227363	20	5 16.1	19.4
126751 2002 DZ_{1}	15.1	X	165.24951	10.65228	93.16977	23.02903	0.0920109	0.23368640	2.6104403	20	6 28.3	19.0
126752 2002 DR_{3}	14.6	X	355.22178	146.70084	150.46672	11.87272	0.0796384	0.17963878	3.1107802	20	7 25.2	18.6
126753 2002 DN_{5}	14.9	X	254.35115	318.96580	275.80451	10.53113	0.1252668	0.21077554	2.7963353	20	—	—
126754 2002 DT_{6}	15.4	X	299.16915	137.09277	160.05243	7.89943	0.1052614	0.17369246	3.1813790	20	5 1.9	19.8
126755 2002 DH_{7}	15.5	X	202.98431	349.69882	32.32228	14.91152	0.1785043	0.23278199	2.6171973	20	4 21.9	19.6
126756 2002 DS_{7}	15.5	X	147.45732	91.73380	3.55435	17.35213	0.2419371	0.23406731	2.6076074	20	6 2.1	20.3
126757 2002 DX_{7}	15.5	X	165.12717	335.21453	75.06844	14.33017	0.1516406	0.22981328	2.6396882	20	4 27.7	19.8
126758 2002 DR_{9}	15.6	X	176.50454	332.43203	85.85239	16.17848	0.1005480	0.23100047	2.6306363	20	5 16.6	19.7
126759 2002 DT_{9}	15.5	X	188.66564	347.65347	42.35136	14.89105	0.1122665	0.22896654	2.6461921	20	4 21.2	19.5
126760 2002 DS_{10}	16.1	X	222.18685	146.34534	320.18437	1.61450	0.0995157	0.24147821	2.5539795	20	9 4.3	19.7
126761 2002 DW_{10}	15.3	X	173.92228	43.47937	41.16240	17.71682	0.1519204	0.23509588	2.5999962	20	6 10.4	19.7
126762 2002 DC_{11}	14.8	X	174.75767	317.13480	21.31819	25.72644	0.1290631	0.21682946	2.7440406	20	2 17.7	19.6
126763 2002 DN_{11}	15.6	X	17.75204	290.72471	320.08024	2.69345	0.0606594	0.23128600	2.6284707	20	6 30.5	18.6
126764 2002 DB_{12}	15.9	X	280.40691	85.96127	173.64269	2.06003	0.2047137	0.27034122	2.3687971	20	1 27.6	19.4
126765 2002 DF_{12}	16.4	X	109.51322	37.82512	206.41938	1.31925	0.0700422	0.24471309	2.5314222	20	10 27.9	20.1
126766 2002 DJ_{12}	14.7	X	184.26514	16.46913	107.70264	12.57517	0.0060139	0.18306260	3.0718709	20	8 17.1	19.1
126767 2002 DM_{12}	15.8	X	127.11957	48.26099	7.75660	8.32132	0.1328011	0.27820495	2.3239466	20	3 17.5	18.8
126768 2002 DC_{13}	15.6	X	93.19267	282.81778	193.86422	1.61664	0.0261917	0.22288487	2.6941120	20	4 11.7	18.9
126769 2002 DE_{13}	15.2	X	60.67252	133.50766	139.37188	2.44282	0.1499547	0.18407742	3.0605704	20	10 8.7	19.4
126770 2002 DY_{14}	16.6	X	167.08819	252.95522	187.23676	3.49324	0.0764683	0.23184603	2.6242363	20	5 30.7	20.5
126771 2002 DU_{15}	15.5	X	76.76777	18.94076	309.40960	7.14421	0.1633558	0.25346333	2.4728207	20	—	—
126772 2002 DE_{16}	15.8	X	304.80248	343.91927	103.57708	2.79664	0.0906755	0.19863833	2.9091136	20	11 26.5	19.5
126773 2002 DG_{16}	15.1	X	171.17449	166.34155	85.06771	17.97662	0.0646065	0.20293770	2.8678794	20	—	—
126774 2002 DA_{17}	14.7	X	93.00486	154.27628	65.17080	15.51906	0.0373227	0.18436588	3.0573772	20	9 2.6	19.3
126775 2002 DU_{17}	16.4	X	332.60202	287.66020	155.36265	6.16007	0.1234177	0.25651546	2.4531665	20	—	—
126776 2002 EJ_{3}	15.5	X	315.48611	252.95762	190.35722	1.43474	0.0251074	0.19781407	2.9171892	20	12 8.4	19.3
126777 2002 EN_{3}	15.7	X	324.19344	319.19950	347.72257	2.23136	0.1099597	0.23052151	2.6342789	20	6 19.2	18.7
126778 2002 EV_{3}	16.7	X	99.60758	251.44262	340.93633	3.72888	0.1718625	0.23848828	2.5752814	20	10 8.2	20.6
126779 2002 EC_{6}	15.3	X	327.96683	242.43651	145.17482	12.77335	0.1577346	0.19165185	2.9793901	20	10 16.8	18.7
126780 Ivovasiljev	15.3	X	42.31035	101.87537	175.70449	1.42428	0.1130309	0.18381836	3.0634453	20	9 14.1	19.3
126781 2002 EA_{11}	16.0	X	228.89371	321.94949	270.35391	1.48493	0.1558155	0.25669417	2.4520277	20	—	—
126782 2002 ED_{12}	15.5	X	192.34676	86.07063	7.64498	15.17204	0.1094197	0.23473565	2.6026555	20	7 18.9	19.8
126783 2002 EF_{13}	16.1	X	68.90041	311.73597	35.05096	2.36572	0.0749337	0.20307160	2.8666187	20	—	—
126784 2002 EQ_{14}	16.3	X	341.49938	211.72160	294.81430	1.08917	0.0939581	0.21205349	2.7850891	20	—	—
126785 2002 EH_{15}	16.4	X	29.69987	261.64993	172.17313	5.68491	0.1019247	0.26362136	2.4088827	20	—	—
126786 2002 EN_{15}	16.6	X	315.88491	19.01452	175.46996	1.12215	0.1259734	0.26750587	2.3855059	20	—	—
126787 2002 EA_{19}	15.4	X	293.32273	231.12718	294.92257	8.08220	0.0688838	0.20621129	2.8374470	20	—	—
126788 2002 EH_{19}	15.4	X	121.31120	265.30272	296.86370	13.36779	0.1073111	0.23872514	2.5735776	20	9 11.3	19.5
126789 2002 EV_{19}	15.8	X	59.19286	69.25169	150.23929	7.23175	0.0823762	0.23121679	2.6289953	20	7 21.9	19.1
126790 2002 EY_{19}	15.6	X	75.64599	88.73884	13.78326	4.78036	0.0817709	0.21825015	2.7321194	20	3 9.9	19.1
126791 2002 EG_{20}	16.4	X	253.10029	64.34494	171.88360	1.63308	0.1425798	0.26070249	2.4268295	20	—	—
126792 2002 EK_{21}	15.5	X	300.40812	310.74771	315.19672	4.08019	0.1179017	0.21940743	2.7225038	20	3 15.2	19.1
126793 2002 EN_{21}	16.3	X	119.59092	174.40797	47.59626	4.76573	0.0736343	0.24148044	2.5539638	20	10 11.8	19.9
126794 2002 EV_{22}	15.5	X	208.27078	247.17283	221.43618	8.79553	0.0885757	0.23741146	2.5830626	20	8 18.9	19.5
126795 2002 EE_{24}	15.3	X	59.93191	272.59124	353.29119	1.43195	0.0613198	0.18469200	3.0537771	20	9 15.3	19.5
126796 2002 EX_{24}	16.4	X	66.67707	172.27967	104.87757	0.69501	0.0696475	0.24095384	2.5576836	20	10 18.9	19.6
126797 2002 EB_{26}	15.8	X	59.60603	5.86731	291.86334	2.73694	0.1520489	0.24330662	2.5411683	20	11 16.5	19.5
126798 2002 EV_{26}	16.3	X	125.44261	287.66883	350.57016	5.11658	0.1034615	0.25497566	2.4630330	20	12 29.9	20.0
126799 2002 EG_{27}	15.6	X	175.38342	119.84863	177.14847	1.85540	0.0423755	0.20706026	2.8296858	20	—	—
126800 2002 EP_{27}	15.2	X	260.33307	272.22338	168.70589	10.22261	0.0480094	0.18876305	3.0097105	20	9 20.3	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126801 2002 EC_{29}	16.1	X	81.01823	113.73030	69.03131	1.98401	0.0490141	0.22956137	2.6416190	20	6 27.1	19.6
126802 2002 EE_{29}	15.9	X	302.97858	66.16889	174.86817	5.64275	0.0903656	0.21621257	2.7492576	20	2 20.7	19.7
126803 2002 EV_{29}	16.2	X	332.30837	203.13394	46.71621	1.67921	0.1064412	0.22189542	2.7021150	20	4 13.2	19.2
126804 2002 EA_{30}	15.8	X	359.50125	133.59107	84.43976	2.35318	0.1620131	0.22080310	2.7110192	20	4 13.1	18.4
126805 2002 EN_{35}	16.0	X	60.73963	348.27968	272.45230	1.73101	0.1363665	0.18404408	3.0609400	20	9 19.7	20.2
126806 2002 ED_{39}	15.5	X	108.78206	304.54456	17.93970	2.04467	0.0600806	0.20330278	2.8644451	20	—	—
126807 2002 ES_{39}	15.0	X	78.04431	3.71724	359.72836	3.75292	0.1885707	0.25621328	2.4550950	20	—	—
126808 2002 ED_{40}	15.3	X	140.47969	5.21576	358.93949	3.09990	0.1078935	0.21224085	2.7834498	20	1 30.9	19.4
126809 2002 EW_{40}	15.4	X	283.48778	104.87871	1.15744	5.70205	0.0721767	0.19501636	2.9450229	20	11 17.6	19.2
126810 2002 EC_{41}	15.7	X	163.99661	68.15352	219.90046	1.09924	0.1615471	0.25783208	2.4448079	20	—	—
126811 2002 ET_{42}	14.9	X	331.30216	358.39636	350.14027	8.66292	0.1930333	0.23872963	2.5735454	20	9 2.3	16.9
126812 2002 EQ_{43}	15.5	X	169.02078	177.10248	331.93152	1.42693	0.1394720	0.18516964	3.0485233	20	8 25.9	20.4
126813 2002 EA_{44}	16.2	X	211.63529	215.83056	286.05799	1.39635	0.0670979	0.24410923	2.5355952	20	10 12.2	19.6
126814 2002 EE_{44}	15.5	X	26.55386	44.08089	80.80983	8.81544	0.1769055	0.21319228	2.7751624	20	1 26.6	18.3
126815 2002 EE_{45}	15.9	X	5.33596	318.09983	309.24578	5.07380	0.2398795	0.22697071	2.6616820	20	7 16.2	17.9
126816 2002 EU_{45}	16.2	X	297.59211	29.93396	241.19137	1.81425	0.1449324	0.21933875	2.7230721	20	3 14.8	19.8
126817 2002 EZ_{51}	16.0	X	157.20970	310.10508	141.83770	3.98996	0.0555983	0.22968222	2.6406923	20	6 3.0	19.7
126818 2002 EE_{52}	15.8	X	359.95037	218.07681	1.52707	8.87252	0.1873883	0.22191487	2.7019571	20	4 11.4	18.2
126819 2002 ET_{52}	15.5	X	234.65428	208.26833	125.46985	2.68603	0.0941828	0.22197036	2.7015068	20	3 29.6	19.5
126820 2002 EF_{53}	15.5	X	212.52897	255.47674	224.81007	3.82751	0.0510116	0.18919551	3.0051224	20	9 8.7	19.8
126821 2002 EC_{55}	14.7	X	62.66560	251.19037	6.26866	10.61604	0.2312921	0.23213641	2.6220474	20	10 7.8	18.6
126822 2002 EQ_{55}	15.9	X	10.12673	27.67375	298.04729	2.06330	0.0383865	0.24367347	2.5386172	20	9 30.9	19.0
126823 2002 EL_{56}	15.4	X	78.81746	32.34390	229.48405	2.94569	0.0257551	0.18984579	2.9982561	20	9 28.5	19.5
126824 2002 ES_{56}	15.4	X	115.55782	74.70475	184.08960	6.44911	0.0433758	0.19417856	2.9534879	20	11 12.3	19.7
126825 2002 EK_{57}	15.8	X	16.20675	114.70906	189.09369	2.04786	0.0895040	0.23930546	2.5694153	20	9 15.7	18.8
126826 2002 EL_{58}	15.6	X	277.31890	135.31452	192.64344	2.20778	0.0963902	0.22848492	2.6499094	20	5 10.4	19.2
126827 2002 EL_{59}	16.1	X	113.93622	20.55038	213.68363	3.08418	0.1163237	0.24206365	2.5498599	20	10 22.4	19.9
126828 2002 ER_{59}	16.1	X	129.62814	248.29066	203.49917	2.69520	0.0652274	0.22600675	2.6692450	20	5 1.1	19.6
126829 2002 EB_{61}	15.9	X	233.90641	341.59193	277.04336	2.43254	0.0454099	0.21025743	2.8009271	20	—	—
126830 2002 ES_{61}	15.9	X	111.49184	301.16826	317.53140	3.29888	0.0613777	0.24548955	2.5260816	20	11 16.1	19.6
126831 2002 EF_{62}	16.7	X	171.52487	314.24671	298.41849	1.25026	0.1330997	0.25246251	2.4793516	20	—	—
126832 2002 EO_{62}	15.8	X	129.65347	108.62871	308.33987	4.18154	0.0604433	0.21978970	2.7193462	20	3 14.9	19.6
126833 2002 EZ_{62}	16.9	X	49.89322	84.88313	175.97229	3.69348	0.2612565	0.23287787	2.6164789	20	10 3.2	20.4
126834 2002 EO_{63}	15.4	X	342.25664	111.62813	181.16771	3.70915	0.0660525	0.17710642	3.1403630	20	6 29.9	19.6
126835 2002 EE_{64}	15.8	X	236.71449	56.64383	338.35850	4.94407	0.0453566	0.23160352	2.6260679	20	6 24.4	19.4
126836 2002 EP_{64}	16.0	X	57.22305	75.88605	191.63381	6.04536	0.2396503	0.23512101	2.5998109	20	10 17.7	19.7
126837 2002 ER_{64}	15.9	X	128.79405	216.99208	329.08865	4.13286	0.0775511	0.23735453	2.5834756	20	9 3.4	19.6
126838 2002 EZ_{64}	15.4	X	136.75797	326.35196	278.91575	0.87266	0.0680384	0.19267815	2.9688009	20	11 18.4	19.7
126839 2002 EM_{65}	16.1	X	183.70899	294.50112	190.31323	2.89716	0.1235655	0.23799042	2.5788717	20	8 13.7	20.0
126840 2002 EP_{65}	15.6	X	43.95875	127.36146	183.85381	10.96395	0.0458175	0.18899855	3.0072098	20	10 21.9	19.7
126841 2002 ED_{66}	15.2	X	193.80101	177.27892	186.90140	9.00525	0.0819928	0.21998556	2.7177318	20	3 23.3	19.1
126842 2002 EF_{66}	15.9	X	328.04078	48.14270	318.37769	2.97141	0.0791294	0.24042895	2.5614048	20	9 23.6	18.8
126843 2002 EV_{66}	15.5	X	107.84180	203.10670	198.37673	3.00645	0.1081871	0.21374892	2.7703423	20	2 5.9	19.3
126844 2002 EA_{67}	15.3	X	222.49973	324.05429	186.41054	9.52862	0.0347888	0.19222285	2.9734870	20	11 2.8	19.5
126845 2002 EX_{67}	16.2	X	83.43030	317.62108	197.98612	2.00804	0.0844809	0.22614496	2.6681574	20	5 29.9	19.8
126846 2002 EN_{69}	15.1	X	57.03192	27.28087	190.88536	13.14103	0.1047202	0.22954025	2.6417811	20	7 18.4	18.8
126847 2002 EJ_{70}	15.9	X	138.95309	130.87168	0.10184	4.47275	0.0498531	0.23026378	2.6362442	20	7 2.5	19.6
126848 2002 EL_{70}	14.6	X	104.31601	94.34395	159.67166	1.61618	0.0607753	0.18816180	3.0161186	20	10 24.5	19.0
126849 2002 EF_{72}	16.1	X	187.17634	72.33402	11.28321	2.96705	0.0523296	0.23060287	2.6336592	20	6 27.4	19.9
126850 2002 EE_{73}	15.8	X	93.47819	332.20263	231.22713	2.84908	0.1009581	0.23269465	2.6178522	20	8 17.0	19.6
126851 2002 EF_{73}	15.1	X	42.25720	147.98277	356.02048	11.87428	0.0596533	0.21724164	2.7405685	20	3 13.0	18.3
126852 2002 EV_{73}	14.9	X	223.64363	268.18329	220.66177	4.70242	0.0686723	0.18825060	3.0151700	20	9 30.6	19.2
126853 2002 EJ_{74}	14.4	X	111.77160	21.47369	190.43811	16.52755	0.0595112	0.18215371	3.0820809	20	9 7.3	19.1
126854 2002 ES_{74}	15.9	X	107.31862	232.54356	356.09459	3.42955	0.2206937	0.23624437	2.5915628	20	10 14.1	20.2
126855 2002 EB_{75}	15.9	X	79.73465	241.88685	287.26932	2.58054	0.0054289	0.22624875	2.6673413	20	5 30.4	19.5
126856 2002 EL_{75}	16.1	X	108.23788	105.02950	339.46878	3.93111	0.0787029	0.22134486	2.7065938	20	3 26.9	19.8
126857 2002 EH_{78}	15.7	X	175.79322	70.46016	77.76271	0.50506	0.2558050	0.18570555	3.0426556	20	8 29.3	20.9
126858 2002 EQ_{78}	16.0	X	222.88904	94.73630	287.37408	2.33076	0.1067381	0.22994701	2.6386647	20	5 14.4	19.9
126859 2002 ET_{78}	14.8	X	191.07049	311.26336	195.60912	9.34111	0.0647220	0.19038118	2.9926324	20	9 16.5	19.4
126860 2002 EO_{79}	15.4	X	323.46479	27.72314	212.01163	9.86885	0.2101958	0.21634467	2.7481383	20	2 26.6	18.9
126861 2002 EC_{81}	16.2	X	59.17888	122.02840	328.63584	2.98869	0.0589620	0.21501715	2.7594380	20	1 28.2	19.7
126862 2002 EP_{83}	15.1	X	132.16309	343.80409	29.01750	4.44442	0.1145098	0.21314498	2.7755729	20	2 2.7	19.1
126863 2002 EU_{83}	15.1	X	179.57730	11.58416	103.88619	3.25697	0.0459979	0.18065167	3.0991414	20	7 27.7	19.7
126864 2002 EK_{84}	15.2	X	259.31180	29.32776	47.38188	1.83175	0.0444422	0.18798808	3.0179764	20	9 14.2	19.4
126865 2002 EL_{84}	15.6	X	350.54741	19.48598	39.38338	2.71472	0.0913500	0.19965751	2.8992052	20	12 29.9	19.1
126866 2002 EP_{85}	15.3	X	277.78001	210.32552	40.24280	3.37574	0.1597800	0.21210118	2.7846716	20	1 27.5	19.5
126867 2002 ES_{85}	15.9	X	212.41279	104.36481	1.65835	14.00374	0.1153539	0.23907689	2.5710528	20	8 26.3	19.8
126868 2002 EW_{85}	15.9	X	344.45231	8.09337	124.33323	3.28799	0.1549946	0.26290561	2.4132528	20	—	—
126869 2002 EZ_{85}	15.7	X	1.79099	27.19252	123.66583	2.67216	0.1502995	0.21342955	2.7731052	20	1 14.8	18.6
126870 2002 EV_{86}	15.6	X	94.97312	80.37064	108.97879	2.86123	0.0992158	0.23052199	2.6342752	20	8 1.2	19.1
126871 2002 EM_{87}	15.1	X	97.27616	46.58992	149.10742	1.51813	0.1220584	0.17927902	3.1149404	20	8 10.6	19.6
126872 2002 EG_{88}	15.8	X	167.91099	316.22115	169.46060	4.89962	0.1455497	0.23436431	2.6054040	20	7 29.2	20.1
126873 2002 EH_{88}	15.0	X	143.53695	66.73701	152.91834	1.82196	0.1385794	0.18777603	3.0202481	20	10 26.9	19.9
126874 2002 EY_{88}	16.1	X	227.40773	45.50261	84.74484	3.20186	0.0648058	0.24338406	2.5406292	20	10 19.1	19.4
126875 2002 EG_{89}	14.7	X	224.21663	331.13636	239.83720	6.01164	0.1520204	0.19944906	2.9012248	20	—	—
126876 2002 EE_{90}	15.2	X	12.84676	218.34950	110.79871	2.19146	0.0288791	0.18810654	3.0167093	20	10 1.1	19.2
126877 2002 EZ_{90}	15.9	X	112.15609	139.59317	120.45872	3.18399	0.1280719	0.24403650	2.5360989	20	11 23.4	19.8
126878 2002 ES_{91}	15.5	X	67.11140	306.94107	245.76166	4.36730	0.1518913	0.22721745	2.6597548	20	7 7.2	19.0
126879 2002 EJ_{94}	16.3	X	189.46211	118.43563	151.81064	1.67263	0.1529135	0.25779034	2.4450718	20	—	—
126880 2002 EX_{94}	16.1	X	253.58626	280.67031	92.35630	2.89483	0.0493016	0.23155669	2.6264219	20	6 15.8	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126881 2002 EH_{96}	16.1	X	203.82647	295.89654	145.10613	3.05874	0.1203440	0.23545741	2.5973340	20	7 9.2	20.1
126882 2002 EH_{97}	15.0	X	302.33270	50.34002	157.32857	8.59022	0.1555555	0.20917095	2.8106179	20	1 1.9	19.2
126883 2002 EM_{98}	15.9	X	98.77263	242.43858	227.97193	3.25789	0.2210438	0.22456877	2.6806275	20	5 8.7	19.8
126884 2002 ET_{98}	15.5	X	213.15874	338.63298	3.40852	6.93541	0.0488787	0.21792602	2.7348279	20	3 18.4	19.4
126885 2002 EZ_{98}	15.0	X	184.58958	249.40181	197.13996	11.19091	0.0353895	0.17652616	3.1472410	20	6 25.9	19.8
126886 2002 EF_{99}	15.6	X	80.55552	145.00594	3.16591	11.19295	0.1867339	0.22390288	2.6859398	20	5 28.7	19.4
126887 2002 EM_{99}	15.8	X	123.41420	344.99085	236.05234	4.30777	0.1033003	0.24422373	2.5348026	20	10 14.2	19.6
126888 Tspitzer	16.2	X	133.50208	358.30741	224.19470	7.95297	0.1224124	0.24350394	2.5397953	20	10 27.4	20.2
126889 2002 EW_{101}	15.0	X	34.97914	274.56056	24.06787	13.28408	0.1756239	0.23945112	2.5683733	20	10 20.5	18.0
126890 2002 EZ_{101}	15.6	X	157.15352	336.64094	112.12296	13.93036	0.0765748	0.22960917	2.6412523	20	6 1.9	19.6
126891 2002 EK_{103}	14.9	X	186.46142	21.60080	121.92267	11.24078	0.0645733	0.18765056	3.0215942	20	9 11.9	19.5
126892 2002 EL_{103}	15.7	X	179.71909	52.78793	50.60076	8.36459	0.1601587	0.23584692	2.5944735	20	7 13.9	20.0
126893 2002 EL_{104}	15.3	X	314.08122	153.67344	60.69482	12.77795	0.0723745	0.21459591	2.7630480	20	2 10.1	19.2
126894 2002 EW_{104}	15.4	X	80.15043	278.91634	26.22081	6.12064	0.2300311	0.24560860	2.5252652	20	12 24.3	19.6
126895 2002 EF_{105}	15.3	X	304.00898	271.50702	14.93326	12.93104	0.1116048	0.22471443	2.6794690	20	4 16.5	18.7
126896 2002 EB_{106}	14.6	X	19.86906	145.25866	67.74801	9.02321	0.0451615	0.17067336	3.2187869	20	5 12.8	18.8
126897 2002 EB_{107}	14.6	X	94.71455	187.56427	54.54677	9.67476	0.0667914	0.18612765	3.0380538	20	10 3.1	19.1
126898 2002 EK_{107}	15.0	X	349.51023	225.80923	90.96626	10.53225	0.0736176	0.18107704	3.0942861	20	8 15.7	19.0
126899 2002 ES_{107}	16.2	X	182.59955	129.52446	304.60263	3.37543	0.1602230	0.23176457	2.6248512	20	6 7.8	20.5
126900 2002 EL_{108}	16.5	X	52.29097	105.64627	122.96870	2.40931	0.0644060	0.23294996	2.6159390	20	7 22.7	19.6
126901 Craigstevens	15.6	X	148.04304	66.13426	86.23222	3.73527	0.0307128	0.23471511	2.6028073	20	8 11.8	19.1
126902 2002 EJ_{110}	15.4	X	310.03011	150.93441	116.54537	6.21529	0.1241670	0.22013792	2.7164777	20	4 3.4	18.9
126903 2002 EX_{110}	15.7	X	167.87922	304.65299	150.71344	11.43313	0.1301755	0.23075587	2.6324949	20	6 21.5	20.0
126904 2002 EN_{111}	15.1	X	19.84279	193.52372	26.00066	13.83421	0.1460742	0.22386051	2.6862786	20	5 21.8	18.0
126905 Junetveekrem	14.9	X	258.06781	47.68377	73.25058	11.37052	0.0665415	0.19168732	2.9790225	20	11 6.8	19.1
126906 2002 EX_{114}	14.3	X	138.36503	125.19980	54.51510	8.12259	0.0943262	0.18290436	3.0736424	20	9 5.7	19.1
126907 2002 EQ_{115}	15.3	X	196.74045	336.04051	47.61258	6.61799	0.0449071	0.22255351	2.6967856	20	4 21.7	19.0
126908 2002 EV_{115}	14.9	X	147.33153	189.25216	134.06002	9.52295	0.0783214	0.20437055	2.8544592	20	—	—
126909 2002 EK_{119}	15.9	X	82.56556	112.31602	324.80887	6.60171	0.0328077	0.21511256	2.7586221	20	2 8.7	19.6
126910 2002 EX_{121}	16.4	X	185.62073	262.76374	134.66987	4.32401	0.1757266	0.23004649	2.6379040	20	4 27.5	20.8
126911 2002 EM_{122}	15.6	X	323.66969	170.43102	209.47409	0.30724	0.1124807	0.18885363	3.0087481	20	9 24.8	19.2
126912 2002 EQ_{122}	14.8	X	302.83177	15.07700	338.39972	11.77190	0.1083632	0.18160145	3.0883263	20	7 20.1	18.9
126913 2002 EN_{123}	16.6	X	241.49618	267.26343	164.52967	3.99617	0.0848698	0.23839885	2.5759254	20	8 13.9	20.1
126914 2002 EQ_{125}	15.3	X	3.75090	327.85912	101.09222	3.46374	0.0583010	0.20060210	2.8900969	20	—	—
126915 2002 EV_{125}	15.7	X	175.32147	20.77115	163.19730	14.23814	0.2099673	0.24058769	2.5602780	20	10 19.8	20.1
126916 2002 EF_{127}	15.8	X	14.45177	209.73923	98.69187	1.82169	0.1161651	0.24044528	2.5612888	20	9 24.6	18.6
126917 2002 EE_{128}	15.4	X	114.69461	210.30268	79.70355	3.16990	0.0978296	0.19785907	2.9167468	20	12 21.0	19.8
126918 2002 EG_{129}	15.7	X	37.77844	127.41788	357.07354	4.94303	0.0442021	0.21454181	2.7635125	20	2 10.6	19.3
126919 2002 ES_{131}	15.7	X	325.10158	354.66451	3.08898	5.65545	0.1087570	0.23859856	2.5744878	20	9 6.9	18.5
126920 2002 EV_{131}	15.4	X	344.87393	292.29681	21.92801	1.90665	0.0189704	0.18049698	3.1009119	20	8 3.2	19.6
126921 2002 ED_{133}	16.4	X	276.12717	65.90178	205.93977	2.19164	0.1261986	0.21597122	2.7513053	20	2 22.1	20.3
126922 2002 EG_{133}	15.5	X	6.66093	256.34467	180.31155	1.88645	0.0448255	0.20295722	2.8676955	20	—	—
126923 2002 EC_{135}	16.1	X	127.72317	78.37287	172.20057	4.07352	0.0870176	0.24533629	2.5271335	20	11 26.4	19.9
126924 2002 EJ_{135}	16.1	X	350.48214	48.36091	201.69427	7.18859	0.1633443	0.22284015	2.6944725	20	5 12.1	18.7
126925 2002 EV_{136}	15.9	X	179.65105	319.55646	2.37448	3.57759	0.0914025	0.21087720	2.7954365	20	1 19.8	20.2
126926 2002 EZ_{136}	15.9	X	262.24419	250.03514	145.45940	1.71884	0.0477771	0.23558877	2.5963685	20	7 28.9	19.4
126927 2002 EE_{137}	15.9	X	290.44904	231.47276	145.91096	6.29486	0.2193356	0.23842515	2.5757359	20	7 16.7	18.9
126928 2002 EQ_{137}	15.1	X	80.69827	327.42471	265.22212	6.33269	0.1273293	0.18266410	3.0763371	20	9 4.7	19.7
126929 2002 ER_{138}	15.5	X	99.99489	316.93505	31.23240	2.29223	0.0753477	0.20300024	2.8672904	20	—	—
126930 2002 EA_{143}	15.9	X	224.62269	7.21462	131.91410	2.03372	0.0935619	0.19223857	2.9733249	20	10 14.2	20.2
126931 2002 EU_{143}	15.7	X	271.23808	22.57137	308.87800	2.90046	0.1091719	0.22936241	2.6431464	20	5 3.5	19.3
126932 2002 EX_{144}	16.0	X	30.60239	156.83998	105.09254	7.61939	0.2400399	0.22784175	2.6548940	20	9 5.2	19.0
126933 2002 EK_{145}	16.0	X	171.73863	103.04717	357.33255	7.98654	0.0808440	0.23110761	2.6298232	20	7 2.1	20.0
126934 2002 EF_{146}	16.4	X	224.47683	123.97256	160.02629	2.39225	0.1991629	0.26571717	2.3961995	20	1 9.4	20.4
126935 2002 EN_{146}	15.5	X	14.79247	157.13295	118.95636	4.17289	0.1067921	0.23123195	2.6288804	20	8 5.8	18.4
126936 2002 EG_{149}	15.5	X	132.73182	21.04002	189.03938	9.34683	0.0584548	0.18854788	3.0119998	20	10 1.7	19.9
126937 2002 EZ_{152}	14.9	X	294.64533	232.64097	284.10270	10.70485	0.1292385	0.20583759	2.8408802	20	—	—
126938 2002 EC_{153}	14.7	X	86.03347	324.04617	267.11832	8.63654	0.0483193	0.18447394	3.0561831	20	8 28.8	19.3
126939 2002 EM_{153}	15.1	X	14.19033	238.05728	24.16629	2.37867	0.1583126	0.17319647	3.1874499	20	7 15.3	18.7
126940 2002 FJ	15.9	X	132.17441	139.98801	2.41432	3.63054	0.1487519	0.23108854	2.6299679	20	7 17.5	20.0
126941 2002 FL	15.1	X	133.64320	350.64161	154.98984	7.79900	0.2962511	0.23165310	2.6256932	20	7 28.9	19.9
126942 2002 FP	15.3	X	242.16421	98.06635	228.94149	4.20278	0.0246752	0.22009999	2.7167898	20	4 2.9	19.0
126943 2002 FX	14.9	X	90.55558	181.29471	50.19850	0.69069	0.1279676	0.18165407	3.0877299	20	9 17.9	19.6
126944 2002 FN_{1}	14.9	X	327.56746	147.83801	101.37557	15.79580	0.1164665	0.22239383	2.6980763	20	4 12.1	18.5
126945 2002 FE_{2}	15.5	X	313.12887	186.72149	25.96169	4.53920	0.1379406	0.21164983	2.7886292	20	1 25.2	19.2
126946 2002 FF_{2}	15.3	X	21.78317	56.77921	185.25531	7.33489	0.2119245	0.22451281	2.6810730	20	7 9.8	18.1
126947 2002 FP_{3}	15.2	X	252.48016	26.29362	109.43372	3.49381	0.0657394	0.19544893	2.9406761	20	11 16.9	19.3
126948 2002 FX_{3}	14.6	X	159.40853	302.69709	154.60764	20.60976	0.0497780	0.17508851	3.1644455	20	6 13.8	19.7
126949 2002 FL_{5}	15.6	X	218.88227	81.84755	256.25638	4.22198	0.0608771	0.21888264	2.7268537	20	3 16.7	19.6
126950 2002 FR_{6}	15.3	X	287.50265	260.36118	8.87183	5.79751	0.1963818	0.21400554	2.7681272	20	2 25.5	19.3
126951 2002 FQ_{8}	15.5	X	81.34788	48.52573	190.53916	10.69141	0.2219376	0.23506769	2.6002040	20	10 4.3	19.5
126952 2002 FR_{8}	16.0	X	101.68060	322.18424	302.14621	3.58227	0.2338499	0.24134423	2.5549247	20	11 22.5	20.3
126953 2002 FM_{9}	16.0	X	179.37557	195.41112	280.11708	4.91887	0.1544417	0.23636102	2.5907101	20	7 27.4	20.2
126954 2002 FN_{10}	15.3	X	11.29065	197.74829	18.31357	8.51773	0.1904360	0.22254951	2.6968179	20	5 2.2	17.7
126955 2002 FQ_{10}	15.3	X	307.04861	110.68040	137.25150	9.59295	0.1104042	0.21783682	2.7355744	20	3 5.6	18.8
126956 2002 FU_{11}	16.4	X	296.65767	191.44581	164.79902	2.21736	0.1709665	0.23593262	2.5938452	20	7 4.8	19.3
126957 2002 FQ_{13}	15.4	X	112.10995	353.91440	80.83557	15.33341	0.2269951	0.22327873	2.6909429	20	4 16.2	19.7
126958 2002 FV_{13}	14.7	X	184.01721	97.57098	96.32603	12.00431	0.0397209	0.19270630	2.9685117	20	11 12.6	19.1
126959 2002 FX_{14}	15.7	X	89.80192	92.37250	14.57965	14.35583	0.0717381	0.22287171	2.6942181	20	4 1.6	19.0
126960 2002 FZ_{14}	15.3	X	335.77813	168.12864	118.62202	15.00881	0.0396406	0.22923489	2.6441265	20	6 16.9	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
126961 2002 FL_{15}	15.1	X	207.72437	44.72457	106.86605	10.96998	0.0751811	0.19085953	2.9876300	20	10 16.9	19.7
126962 2002 FF_{16}	15.1	X	134.46074	247.22140	203.14986	12.90052	0.0866094	0.22221471	2.6995260	20	5 8.3	19.1
126963 2002 FG_{16}	15.5	X	115.16457	87.10739	7.29752	5.21971	0.0300442	0.21890578	2.7266615	20	4 11.1	19.0
126964 2002 FV_{16}	15.4	X	247.12206	220.47821	31.58775	9.21046	0.1987882	0.26216011	2.4178256	20	—	—
126965 2002 FJ_{18}	16.3	X	167.41725	160.37339	130.38499	3.33344	0.1899840	0.25842773	2.4410498	20	—	—
126966 2002 FB_{20}	15.7	X	82.39214	37.83155	64.18860	6.32132	0.0233995	0.21865933	2.7287100	20	3 12.6	19.4
126967 2002 FR_{20}	14.8	X	164.15896	356.17243	127.93243	14.41346	0.0212776	0.17849569	3.1240470	20	7 19.8	19.4
126968 2002 FV_{20}	15.1	X	88.77723	7.75272	72.49454	16.10411	0.0551066	0.22083263	2.7107776	20	3 2.1	19.1
126969 2002 FX_{20}	15.4	X	109.55356	346.61862	80.44825	15.50703	0.1590432	0.22306760	2.6926406	20	3 27.4	19.5
126970 2002 FZ_{21}	15.1	X	309.18330	122.32976	130.60519	9.37916	0.1514649	0.21630508	2.7484736	20	3 9.6	18.7
126971 2002 FH_{22}	15.6	X	19.35812	124.70100	130.79764	14.44763	0.0536036	0.22947697	2.6422667	20	7 8.8	19.0
126972 2002 FO_{22}	15.2	X	144.39753	234.56211	41.88703	16.01210	0.1600156	0.25228015	2.4805462	20	—	—
126973 2002 FR_{22}	14.8	X	80.13922	80.74776	149.46017	12.40664	0.2391591	0.23058099	2.6338258	20	9 26.0	18.9
126974 2002 FV_{22}	14.9	X	20.05270	238.50681	60.63469	11.75486	0.2363522	0.23631030	2.5910808	20	10 13.5	17.8
126975 2002 FB_{23}	16.0	X	161.39911	89.74909	208.12819	1.38408	0.0401936	0.20305653	2.8667605	20	—	—
126976 2002 FA_{24}	16.0	X	107.77914	30.98569	3.54036	0.73890	0.1996338	0.21215713	2.7841820	20	2 11.5	19.7
126977 2002 FJ_{25}	15.4	X	286.78254	300.26322	110.56974	15.92645	0.1090140	0.24323474	2.5416689	20	9 24.8	18.7
126978 2002 FL_{25}	14.7	X	178.84776	322.64430	106.90910	16.94331	0.0747238	0.17515917	3.1635943	20	6 1.8	19.7
126979 2002 FJ_{26}	14.6	X	139.40989	252.04347	303.64273	9.17889	0.0836915	0.18621795	3.0370716	20	9 17.6	19.5
126980 2002 FK_{26}	15.4	X	120.17737	318.41184	98.99022	15.62959	0.0941982	0.22301436	2.6930691	20	3 17.5	19.5
126981 2002 FW_{26}	14.5	X	57.68417	209.36606	86.38321	9.96163	0.0669615	0.19133718	2.9826558	20	10 26.2	18.8
126982 2002 FL_{27}	15.7	X	66.56226	142.45596	116.38204	13.71693	0.2703064	0.23677656	2.5876781	20	10 26.2	19.9
126983 2002 FO_{27}	15.0	X	160.55247	36.60045	32.14123	9.42288	0.0570348	0.17423691	3.1747481	20	5 7.0	19.7
126984 2002 FT_{28}	15.6	X	101.87199	177.67874	50.76135	11.17231	0.0580130	0.23924552	2.5698444	20	10 1.7	19.3
126985 2002 FU_{28}	16.0	X	245.42747	312.11413	133.68584	9.78801	0.1565508	0.24244242	2.5472035	20	8 30.2	19.4
126986 2002 FZ_{28}	14.7	X	324.72457	231.68742	59.98345	9.37224	0.0397204	0.17296013	3.1903528	20	6 4.5	19.0
126987 2002 FS_{30}	14.9	X	190.87892	136.45037	163.44390	15.37677	0.1409339	0.20384092	2.8594015	20	1 6.1	19.7
126988 2002 FX_{30}	14.5	X	324.13615	165.00477	122.54639	14.34268	0.0271456	0.17069468	3.2185189	20	6 3.1	19.1
126989 2002 FA_{32}	15.6	X	182.09276	277.77823	66.01885	6.83167	0.0330803	0.21587766	2.7521002	20	2 16.5	19.6
126990 2002 FB_{32}	15.7	X	298.00919	148.65702	86.07901	5.95694	0.0593731	0.21592094	2.7517325	20	2 13.9	19.4
126991 2002 FG_{32}	15.7	X	44.46438	183.34724	83.21989	4.62490	0.0559983	0.23653563	2.5894349	20	9 3.9	19.0
126992 2002 FQ_{33}	15.5	X	51.27721	132.97881	324.79229	8.54236	0.1707707	0.21507015	2.7589847	20	2 4.9	18.3
126993 2002 FB_{34}	14.6	X	82.85969	54.99301	112.33082	11.83233	0.0530680	0.17435052	3.1733688	20	6 9.8	19.2
126994 2002 FC_{34}	15.4	X	83.43055	43.48051	108.72602	10.15160	0.0684182	0.22442734	2.6817536	20	5 25.0	19.0
126995 2002 FZ_{34}	15.6	X	66.16331	118.85634	335.07444	1.01066	0.0225822	0.21217355	2.7840384	20	2 7.5	19.3
126996 2002 FF_{35}	15.6	X	154.19731	277.83329	238.12895	13.78864	0.1000704	0.23851505	2.5750887	20	8 18.1	19.9
126997 2002 FL_{35}	15.9	X	86.97807	148.75795	319.50594	10.72621	0.1285840	0.22150917	2.7052552	20	4 2.1	19.6
126998 2002 FO_{35}	14.9	X	267.46245	19.03999	287.04749	9.09313	0.2362773	0.21829104	2.7317783	20	3 9.7	19.5
126999 2002 FJ_{36}	15.9	X	278.67843	136.44307	138.32308	6.78968	0.2316399	0.21662988	2.7457257	20	2 17.4	20.1
127000 2002 FN_{36}	15.9	X	22.29921	146.81093	109.19044	6.07617	0.1952071	0.22853203	2.6495452	20	8 1.4	18.4
127001 2002 FT_{36}	16.0	X	135.43619	214.40330	225.28882	3.28797	0.2083158	0.22587726	2.6702651	20	5 5.2	20.2
127002 2002 FE_{38}	15.6	X	279.61908	236.84222	59.09744	6.34757	0.1699396	0.27465088	2.3439521	20	3 20.8	18.9
127003 2002 GO	15.1	X	296.03603	196.46324	76.67063	9.64959	0.1728885	0.21671427	2.7450128	20	3 17.9	19.0
127004 2002 GW_{1}	15.2	X	42.44396	177.29515	111.14624	11.27277	0.2785779	0.23137493	2.6277972	20	11 5.4	19.0
127005 Pratchett	16.3	X	290.85500	143.67858	128.27454	7.27991	0.2041730	0.27211093	2.3585154	20	2 25.0	19.5
127006 2002 GR_{5}	15.5	X	85.86317	316.84862	204.18271	9.70955	0.2471933	0.22620729	2.6676672	20	7 1.7	19.6
127007 2002 GC_{7}	15.7	X	164.38299	51.47570	108.39269	14.32076	0.0832221	0.23756497	2.5819497	20	9 15.6	19.7
127008 2002 GU_{8}	15.5	X	17.06893	226.28550	30.19283	13.59235	0.2232703	0.22420311	2.6835414	20	7 30.9	18.4
127009 2002 GK_{11}	14.9	X	169.21680	259.19415	185.42478	21.62781	0.0416079	0.22640639	2.6661031	20	6 7.6	19.1
127010 2002 GO_{11}	15.2	X	91.17427	156.72337	78.02894	14.60413	0.1416704	0.23275346	2.6174112	20	10 8.4	19.4
127011 2002 GT_{11}	15.4	X	121.54851	5.48168	163.36629	13.58683	0.2027554	0.23066856	2.6331592	20	8 11.3	19.7
127012 2002 GU_{11}	15.6	X	14.13117	199.80542	61.51974	7.71949	0.1096994	0.22730721	2.6590545	20	7 14.4	18.6
127013 2002 GV_{11}	15.4	X	311.50039	105.06130	145.32927	7.17152	0.0312409	0.21739653	2.7392666	20	3 26.7	19.0
127014 2002 GY_{11}	14.8	X	76.59471	124.09760	77.92251	5.72080	0.1054465	0.17516989	3.1634653	20	7 23.4	19.2
127015 2002 GM_{13}	15.4	X	129.19759	73.91715	190.56754	2.86991	0.2134950	0.18825140	3.0151614	20	12 6.7	20.7
127016 2002 GD_{15}	15.0	X	62.06744	192.98447	63.85935	2.64598	0.1485745	0.18121316	3.0927363	20	9 20.1	19.2
127017 2002 GM_{15}	15.3	X	12.42819	155.35854	22.02752	9.30408	0.0918844	0.21786342	2.7353517	20	3 14.8	18.5
127018 2002 GS_{15}	15.1	X	31.35643	174.42060	20.18141	15.09374	0.0686089	0.22297303	2.6934019	20	4 30.2	18.5
127019 2002 GJ_{16}	14.8	X	89.54683	170.40688	39.49377	5.55759	0.0829768	0.17961291	3.1110788	20	8 17.2	19.3
127020 2002 GK_{16}	15.1	X	279.77705	282.13857	174.70812	10.84578	0.0754729	0.19288199	2.9667089	20	11 4.1	19.1
127021 2002 GP_{16}	14.7	X	305.25869	330.69906	21.30293	29.23475	0.1105251	0.23173432	2.6250796	20	8 8.5	18.6
127022 2002 GQ_{18}	15.4	X	88.08746	142.60175	37.67430	14.12740	0.1876033	0.22678271	2.6631528	20	7 27.3	19.6
127023 2002 GC_{20}	15.6	X	99.49246	199.56031	23.41289	7.80005	0.1754557	0.23381160	2.6095083	20	9 28.8	19.5
127024 2002 GE_{20}	15.1	X	100.11781	32.74413	238.71834	2.93907	0.1173177	0.18537332	3.0462899	20	11 13.8	19.8
127025 2002 GF_{21}	15.1	X	256.45662	226.49883	321.57843	2.16943	0.1497094	0.19862555	2.9092384	20	—	—
127026 2002 GL_{21}	15.5	X	319.57111	196.04040	39.54061	3.51836	0.0517182	0.21403710	2.7678550	20	3 15.1	19.0
127027 2002 GT_{22}	14.8	X	127.35528	196.37120	348.83088	7.31874	0.1343714	0.17978819	3.1090565	20	8 30.9	19.6
127028 2002 GA_{23}	16.0	X	74.55055	215.21497	342.02888	1.17469	0.1337535	0.22825206	2.6517114	20	7 21.6	19.4
127029 2002 GB_{26}	15.2	X	356.13144	87.83668	152.37284	19.14565	0.1039244	0.22230748	2.6987749	20	5 16.2	18.7
127030 2002 GZ_{28}	15.9	X	160.64754	116.97369	328.56859	1.01373	0.0421002	0.22502790	2.6769801	20	5 28.1	19.7
127031 2002 GM_{33}	15.8	X	247.44163	173.71363	77.91073	6.30897	0.0891808	0.26577124	2.3958745	20	—	—
127032 2002 GR_{33}	15.1	X	311.47097	263.35914	134.53646	11.39105	0.0925569	0.19055869	2.9907736	20	10 5.2	19.0
127033 2002 GU_{33}	14.8	X	71.39108	209.96777	39.18427	10.06001	0.0317667	0.18442471	3.0567270	20	9 9.4	19.2
127034 2002 GP_{34}	15.3	X	293.22810	298.72323	17.45970	12.01704	0.2436914	0.27962488	2.3160726	20	4 18.1	18.3
127035 2002 GU_{34}	15.1	X	48.02196	223.86379	53.49147	3.89115	0.0431871	0.18428534	3.0582679	20	9 13.7	19.3
127036 2002 GZ_{34}	15.9	X	339.63762	75.91209	107.36195	3.50200	0.0086298	0.26719910	2.3873314	20	1 30.8	18.9
127037 2002 GB_{35}	14.8	X	321.60051	52.96398	21.07335	13.85720	0.1897366	0.25647315	2.4534362	20	12 30.2	17.2
127038 2002 GR_{35}	16.2	X	144.27475	112.90319	343.00882	1.35491	0.0657535	0.22632450	2.6667461	20	5 23.5	19.9
127039 2002 GJ_{36}	16.0	X	128.79067	188.28810	166.47004	2.04193	0.0649313	0.20680283	2.8320336	20	—	—
127040 2002 GS_{38}	15.3	X	123.30450	267.75339	52.52728	2.81019	0.0302006	0.19917363	2.9038989	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127041 2002 GH_{39}	15.3	X	276.08236	125.21019	342.25215	15.86628	0.0411262	0.19461844	2.9490358	20	11 7.9	19.6
127042 2002 GV_{39}	16.0	X	73.86776	329.55305	231.12153	2.34218	0.0433892	0.23011566	2.6373753	20	7 10.7	19.3
127043 2002 GW_{39}	15.1	X	273.39160	331.55431	345.06054	12.18324	0.2390370	0.22032772	2.7149174	20	3 29.1	19.4
127044 2002 GH_{41}	15.5	X	114.96542	146.69584	255.31423	2.52450	0.0978954	0.21317981	2.7752706	20	2 13.9	19.3
127045 2002 GA_{42}	15.8	X	265.68468	328.40909	2.92085	6.06944	0.0385026	0.22339242	2.6900298	20	5 6.0	19.5
127046 2002 GK_{42}	14.9	X	29.88824	246.01784	55.44666	1.55248	0.1539936	0.18046061	3.1013285	20	10 3.1	18.8
127047 2002 GV_{42}	15.6	X	94.76462	340.90529	199.61923	11.01543	0.1049436	0.23170556	2.6252968	20	7 18.0	19.5
127048 2002 GX_{43}	15.9	X	276.85279	13.72578	242.27626	1.40156	0.0172533	0.21326356	2.7745439	20	2 17.9	19.7
127049 2002 GJ_{44}	14.7	X	231.25785	327.98149	1.39178	10.56812	0.3155174	0.21310281	2.7759391	20	3 9.8	19.8
127050 2002 GT_{44}	16.1	X	63.84175	313.48593	220.29181	2.25094	0.0088490	0.22329246	2.6908326	20	5 15.9	19.6
127051 2002 GU_{44}	14.7	X	25.67765	331.36103	15.13581	10.36384	0.1204483	0.18779128	3.0200846	20	11 16.6	18.8
127052 2002 GH_{46}	15.4	X	359.80698	137.68001	116.02911	4.52267	0.1500874	0.22446194	2.6814780	20	6 6.3	18.1
127053 2002 GP_{46}	14.1	X	340.33263	212.29400	95.35333	10.45096	0.0805447	0.17470278	3.1691017	20	7 16.8	18.1
127054 2002 GD_{47}	15.6	X	159.64510	171.64368	203.21001	1.75956	0.1025652	0.21631762	2.7483674	20	3 1.8	19.8
127055 2002 GG_{47}	15.6	X	75.81983	41.16490	231.22557	12.03364	0.1722288	0.24037966	2.5617549	20	11 4.3	19.5
127056 2002 GO_{47}	15.9	X	257.31979	203.67259	21.88227	2.28829	0.0488223	0.20464115	2.8519424	20	—	—
127057 2002 GV_{47}	15.3	X	66.99524	314.83253	231.19645	10.86655	0.1864254	0.22658022	2.6647393	20	7 2.3	18.9
127058 2002 GW_{48}	15.6	X	54.85158	186.67305	221.92429	1.05839	0.0609966	0.20294818	2.8677807	20	—	—
127059 2002 GJ_{50}	15.6	X	52.27302	199.52389	307.37576	8.73620	0.1005922	0.22020297	2.7159427	20	3 30.4	19.1
127060 2002 GX_{50}	15.4	X	172.63104	112.13462	130.63399	2.72432	0.0435667	0.19522786	2.9428956	20	12 25.0	19.7
127061 2002 GA_{51}	14.5	X	9.66310	296.98295	34.48533	11.67211	0.1109219	0.18252138	3.0779405	20	10 8.1	18.3
127062 2002 GT_{53}	15.8	X	152.71331	68.30396	185.15042	12.66974	0.1425014	0.24412376	2.5354946	20	12 22.4	20.0
127063 2002 GW_{53}	14.9	X	301.53842	28.74028	154.84413	13.43104	0.0448000	0.20355110	2.8621150	20	—	—
127064 2002 GA_{54}	15.0	X	62.66768	52.41438	168.38605	13.38471	0.1021834	0.22658623	2.6646921	20	7 30.3	18.6
127065 2002 GH_{55}	14.9	X	26.23462	193.60419	82.19876	2.12216	0.1666407	0.17459135	3.1704499	20	8 25.8	18.7
127066 2002 GT_{55}	15.1	X	132.66196	258.91464	260.20688	5.15233	0.0454914	0.17817247	3.1278240	20	7 26.8	19.7
127067 2002 GM_{56}	14.8	X	263.78804	138.37408	349.41000	9.13101	0.0105639	0.19241789	2.9714773	20	11 24.9	19.1
127068 2002 GG_{57}	15.0	X	77.78978	192.58586	303.36433	11.08806	0.0371929	0.22245121	2.6976123	20	4 11.9	18.8
127069 2002 GK_{57}	15.2	X	356.96442	312.18928	320.87685	14.98975	0.1428509	0.22733811	2.6588135	20	7 2.4	18.1
127070 2002 GZ_{58}	15.1	X	108.39131	222.43041	199.04675	7.46219	0.2788903	0.21573606	2.7533043	20	3 24.9	19.2
127071 2002 GT_{60}	15.1	X	49.50317	292.41858	344.84847	13.64849	0.1471084	0.23430622	2.6058345	20	10 2.5	18.6
127072 2002 GX_{60}	15.6	X	32.37177	351.92974	308.27004	4.10097	0.1667181	0.23493849	2.6011572	20	10 14.9	18.8
127073 2002 GO_{61}	15.3	X	186.25558	87.72537	36.95186	5.07534	0.1611307	0.18173737	3.0867862	20	8 13.5	20.3
127074 2002 GS_{61}	15.4	X	125.38895	16.22760	33.34580	6.55448	0.0333254	0.21287121	2.7779521	20	3 2.2	19.3
127075 2002 GU_{64}	16.4	X	86.53235	43.73709	169.49893	4.34560	0.1132137	0.23076360	2.6324361	20	8 23.7	20.1
127076 2002 GY_{64}	14.7	X	344.23506	177.23921	187.82907	9.75268	0.1223328	0.18238812	3.0794396	20	10 9.1	18.2
127077 2002 GD_{65}	14.7	X	188.01122	77.40932	115.90058	16.04991	0.0843479	0.19236765	2.9719946	20	11 14.8	19.5
127078 2002 GM_{65}	15.6	X	329.50108	237.59143	164.34885	0.38506	0.0458683	0.18960982	3.0007432	20	11 3.4	19.5
127079 2002 GO_{65}	15.9	X	224.18067	88.73771	134.16101	0.85595	0.0732536	0.19951632	2.9005728	20	—	—
127080 2002 GT_{65}	15.5	X	68.26002	108.99136	180.65042	5.07470	0.1435160	0.18405335	3.0608372	20	11 6.1	20.0
127081 2002 GK_{67}	15.5	X	323.23917	147.50066	164.44348	4.32409	0.1774773	0.22509819	2.6764228	20	6 16.6	18.3
127082 2002 GB_{70}	15.9	X	33.99966	155.02770	139.74502	3.81834	0.1932894	0.23272762	2.6176049	20	10 17.7	19.1
127083 2002 GO_{70}	15.5	X	104.21299	275.77115	151.13984	4.89982	0.0522776	0.21227239	2.7831741	20	2 26.7	19.2
127084 2002 GF_{71}	15.6	X	315.17823	178.99669	106.70891	6.43558	0.1317852	0.22129901	2.7069676	20	5 4.3	18.9
127085 2002 GX_{73}	15.4	X	334.60542	74.50644	162.65708	9.17202	0.0627642	0.21822096	2.7323630	20	4 6.6	18.8
127086 2002 GD_{74}	15.6	X	55.93006	185.60991	295.30735	4.64005	0.0068998	0.21501145	2.7594868	20	2 24.7	19.3
127087 2002 GJ_{74}	15.3	X	199.78353	129.33525	84.15119	2.69614	0.0635354	0.19408016	2.9544861	20	12 18.1	19.4
127088 2002 GC_{76}	16.1	X	91.98408	351.37498	295.84119	1.44802	0.0146183	0.24480052	2.5308194	20	11 26.1	19.5
127089 2002 GU_{76}	15.3	X	314.99927	134.23516	103.31966	10.27073	0.0722178	0.21838748	2.7309739	20	3 11.3	19.0
127090 2002 GB_{77}	15.4	X	69.84245	28.24201	79.34156	7.56724	0.0594961	0.21566757	2.7538872	20	3 8.6	19.0
127091 2002 GZ_{78}	14.5	X	30.99243	222.21551	55.67851	19.13439	0.0552315	0.18119333	3.0929619	20	9 1.3	19.1
127092 2002 GD_{80}	14.8	X	24.05461	205.46047	51.56389	8.81777	0.0316705	0.17534579	3.1613493	20	7 13.9	19.2
127093 2002 GL_{81}	15.4	X	343.16401	84.35709	126.54950	5.26350	0.0203491	0.21623105	2.7491008	20	3 19.1	19.0
127094 2002 GE_{82}	14.4	X	310.78601	334.97953	41.72040	17.47187	0.2223461	0.18042659	3.1017183	20	8 25.5	18.2
127095 2002 GC_{83}	15.5	X	49.72716	87.34447	142.84653	6.39129	0.0652783	0.22799087	2.6537362	20	7 20.3	18.8
127096 2002 GJ_{83}	15.6	X	192.56714	11.13646	96.50579	6.24449	0.2477834	0.23573326	2.5953074	20	7 27.5	20.1
127097 2002 GB_{84}	15.2	X	203.62808	174.03476	161.05915	9.98242	0.1520209	0.21102468	2.7941339	20	2 27.2	19.8
127098 2002 GJ_{84}	15.2	X	114.95082	159.39789	111.25883	7.35518	0.1001357	0.18847278	3.0128000	20	11 28.3	19.8
127099 2002 GN_{84}	14.9	X	65.14444	150.87223	54.22092	16.85291	0.0902783	0.17272693	3.1932237	20	7 9.9	19.5
127100 2002 GR_{84}	14.2	X	191.26023	247.08633	189.50092	21.29906	0.3386788	0.17623106	3.1507534	20	6 14.7	20.4
127101 2002 GR_{85}	15.4	X	208.29479	205.26857	117.07781	4.82757	0.1783872	0.21012297	2.8021219	20	2 17.2	20.1
127102 2002 GD_{86}	15.8	X	196.38131	276.56562	178.68188	17.22490	0.1428761	0.23265445	2.6181537	20	7 16.7	20.3
127103 2002 GQ_{87}	14.4	X	358.79905	278.92164	53.74023	15.66354	0.1218873	0.17944208	3.1130530	20	9 28.3	18.4
127104 2002 GJ_{88}	15.5	X	65.77165	351.62240	138.55772	7.50496	0.0680901	0.21617872	2.7495445	20	4 1.4	19.1
127105 2002 GL_{88}	15.7	X	123.85047	95.86123	106.89916	12.14231	0.2009867	0.23617561	2.5920658	20	10 2.3	20.2
127106 2002 GU_{90}	15.4	X	201.36762	214.42177	199.38991	15.95827	0.1202779	0.22546449	2.6735232	20	6 2.1	19.8
127107 2002 GK_{91}	15.6	X	148.90479	216.31136	203.20050	2.38747	0.0702320	0.22038276	2.7144653	20	4 12.5	19.3
127108 2002 GJ_{93}	16.0	X	99.15090	303.44489	210.27664	4.60688	0.1225687	0.22672802	2.6635811	20	6 22.0	19.7
127109 2002 GN_{93}	15.6	X	113.85545	189.40462	309.40035	5.02607	0.1160884	0.22667207	2.6640194	20	6 19.0	19.5
127110 2002 GE_{96}	15.5	X	304.75836	330.29897	302.29389	4.09117	0.0694025	0.21786939	2.7353017	20	4 5.6	19.1
127111 2002 GG_{96}	15.8	X	41.22574	253.96450	223.74009	6.77992	0.1820828	0.21364974	2.7711995	20	2 10.8	18.8
127112 2002 GP_{96}	15.5	X	49.81036	294.63205	331.39533	3.89593	0.1950461	0.23094762	2.6310376	20	9 27.9	19.0
127113 2002 GO_{97}	16.7	X	67.43808	350.53096	218.97413	2.51894	0.1112546	0.22876334	2.6477589	20	7 24.3	20.1
127114 2002 GC_{98}	16.0	X	150.18443	170.78100	314.89976	3.46318	0.2105345	0.23254403	2.6189824	20	7 15.3	20.4
127115 2002 GG_{99}	15.4	X	133.97781	266.89689	197.45802	21.04338	0.1301618	0.22626121	2.6672434	20	5 29.5	19.8
127116 2002 GY_{99}	16.2	X	94.37468	351.51258	212.12156	3.72783	0.1341782	0.23265968	2.6181145	20	8 22.2	20.0
127117 2002 GP_{100}	15.6	X	232.19657	353.98291	308.07338	3.18126	0.1830098	0.21104299	2.7939723	20	2 12.0	20.1
127118 2002 GF_{101}	15.2	X	32.29768	128.72668	174.02537	1.62933	0.1338333	0.18154991	3.0889107	20	10 5.2	19.2
127119 2002 GK_{101}	15.6	X	86.90446	259.62820	193.63112	3.54702	0.0770973	0.21592784	2.7516739	20	3 11.1	19.3
127120 2002 GU_{101}	16.5	X	354.17801	191.05220	181.72818	6.24336	0.1719176	0.29524184	2.2336620	20	12 15.3	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127121 2002 GZ_{101}	15.3	X	92.57177	335.48434	80.87909	9.61817	0.0717370	0.20954033	2.8073138	20	2 3.8	19.1
127122 2002 GB_{102}	14.5	X	0.73183	201.55992	90.84671	10.54437	0.0732762	0.17459112	3.1704527	20	7 29.3	18.7
127123 2002 GE_{102}	15.7	X	75.96467	156.77063	62.14104	13.20704	0.0546661	0.23043501	2.6349380	20	8 15.6	19.5
127124 2002 GJ_{102}	15.4	X	289.33945	84.10005	170.11219	12.29820	0.1046055	0.21221909	2.7836401	20	2 18.3	19.4
127125 2002 GP_{102}	15.0	X	350.70199	68.65764	152.13532	9.34871	0.0827801	0.21738548	2.7393595	20	4 8.3	18.4
127126 2002 GW_{102}	15.2	X	89.21742	337.28324	142.43346	10.14826	0.0850541	0.21862300	2.7290123	20	4 23.6	19.0
127127 2002 GQ_{103}	15.4	X	113.99246	306.95583	166.66191	13.35064	0.1101358	0.22190341	2.7020501	20	5 19.3	19.5
127128 2002 GJ_{104}	15.6	X	278.01219	150.73826	116.93550	10.05956	0.1197121	0.21177546	2.7875262	20	2 23.5	19.6
127129 2002 GQ_{104}	15.5	X	122.76247	26.46940	165.32012	12.55176	0.1261704	0.23304123	2.6152560	20	9 7.3	19.6
127130 2002 GG_{105}	15.3	X	106.36201	344.70581	125.16512	9.93889	0.0754839	0.22238749	2.6981276	20	5 1.6	19.2
127131 2002 GD_{106}	15.1	X	197.75510	149.92419	138.55294	11.35502	0.1032747	0.20438303	2.8543430	20	—	—
127132 2002 GE_{106}	15.5	X	257.93679	111.41695	149.82563	12.80269	0.0848623	0.20994584	2.8036978	20	1 25.6	19.7
127133 2002 GS_{106}	15.9	X	14.90169	138.22372	151.06614	12.10099	0.1862529	0.22984302	2.6394605	20	9 5.3	18.5
127134 2002 GM_{107}	14.8	X	50.81741	123.85169	141.25915	6.01537	0.0084575	0.18183706	3.0856580	20	8 26.1	19.1
127135 2002 GQ_{109}	14.7	X	280.51045	343.37291	73.51066	17.14850	0.0742258	0.18338788	3.0682374	20	9 21.3	19.2
127136 2002 GB_{110}	15.9	X	74.64159	198.37638	271.21305	1.73819	0.1477669	0.21900318	2.7258530	20	3 25.3	19.2
127137 2002 GM_{111}	16.0	X	163.52669	26.59691	64.37586	6.07245	0.2588565	0.22972427	2.6403701	20	6 13.4	20.6
127138 2002 GD_{112}	15.7	X	313.30734	113.38223	141.52002	5.92549	0.0792105	0.21639992	2.7476705	20	3 28.3	19.2
127139 2002 GG_{112}	15.3	X	105.90098	304.24553	133.80435	5.82419	0.1470412	0.21548933	2.7554056	20	3 29.3	19.2
127140 2002 GT_{113}	15.6	X	63.30193	131.94857	129.61431	6.55426	0.1466688	0.23509216	2.6000236	20	10 6.9	19.2
127141 2002 GC_{114}	15.3	X	117.98998	272.97235	128.94521	6.76211	0.0170966	0.21254970	2.7807529	20	2 7.6	19.1
127142 2002 GP_{114}	15.3	X	207.66799	310.79234	59.29839	9.95620	0.0983169	0.22107323	2.7088104	20	4 17.4	19.5
127143 2002 GX_{115}	14.8	X	227.40070	7.86616	53.40877	11.01996	0.0579794	0.17642161	3.1484842	20	7 14.7	19.5
127144 2002 GK_{117}	15.8	X	14.58877	230.35566	77.78222	5.36532	0.2688558	0.23263529	2.6182975	20	10 18.5	18.5
127145 2002 GO_{119}	14.6	X	74.23030	75.60039	96.95101	10.99508	0.0161325	0.17092051	3.2156833	20	5 31.1	19.1
127146 2002 GT_{120}	15.6	X	189.53283	180.23929	127.33619	10.28697	0.1149975	0.20469956	2.8513998	20	1 13.3	20.0
127147 2002 GA_{122}	16.0	X	339.14155	172.83615	146.85899	4.47892	0.0337213	0.23233810	2.6205297	20	8 6.1	19.3
127148 2002 GT_{123}	15.5	X	133.83098	271.15500	4.96761	2.39048	0.1259839	0.19035010	2.9929581	20	12 22.3	20.3
127149 2002 GZ_{125}	15.9	X	23.01951	146.81629	334.58570	3.63699	0.0214540	0.21069657	2.7970340	20	1 17.2	19.6
127150 2002 GH_{126}	14.9	X	36.69111	115.05567	207.63608	10.89882	0.1294859	0.18289289	3.0737710	20	11 5.6	19.0
127151 2002 GX_{126}	16.4	X	314.54574	108.31400	221.83134	3.39815	0.1729501	0.28469215	2.2885077	20	6 30.6	18.2
127152 2002 GV_{127}	15.6	X	260.95480	195.35380	212.28801	6.26050	0.0759849	0.23528100	2.5986322	20	8 6.2	19.2
127153 2002 GD_{132}	15.3	X	105.35295	320.06725	5.12881	1.66525	0.1020186	0.19566133	2.9385475	20	—	—
127154 2002 GM_{133}	15.9	X	225.76348	61.88309	346.33549	2.73121	0.0286723	0.22789028	2.6545170	20	6 30.1	19.4
127155 2002 GR_{135}	16.2	X	208.29510	85.84184	354.77771	2.77264	0.1468048	0.23273150	2.6175758	20	7 12.3	20.2
127156 2002 GV_{136}	15.3	X	174.20639	226.88893	7.17690	10.05274	0.0551897	0.19274105	2.9681550	20	12 14.1	19.9
127157 2002 GE_{139}	15.4	X	9.18000	183.79869	209.63883	4.61990	0.1687917	0.19639407	2.9312338	20	—	—
127158 2002 GM_{139}	15.9	X	181.18829	357.33485	11.10462	1.80227	0.0975160	0.21672058	2.7449595	20	3 16.5	20.0
127159 2002 GA_{140}	15.4	X	239.05901	82.51390	49.85169	3.58796	0.0766597	0.18861100	3.0113278	20	10 24.0	19.6
127160 2002 GS_{140}	15.1	X	228.86459	121.60168	48.96219	11.12176	0.0331809	0.19170456	2.9788440	20	12 2.2	19.3
127161 2002 GS_{143}	15.9	X	99.67026	294.20475	0.47121	1.67103	0.1268818	0.18747277	3.0235043	20	12 11.6	20.6
127162 2002 GF_{144}	15.1	X	150.77705	57.70420	68.66632	16.10614	0.0498045	0.22925208	2.6439944	20	7 10.7	19.0
127163 2002 GH_{144}	15.3	X	156.61689	112.35007	100.05701	11.38349	0.0346649	0.24223045	2.5486893	20	11 13.4	19.0
127164 2002 GC_{149}	15.9	X	9.47326	340.81567	172.96622	3.50470	0.0313276	0.21369499	2.7708083	20	2 6.9	19.5
127165 2002 GK_{149}	15.8	X	225.63997	91.93530	195.97370	3.03840	0.0662788	0.20954921	2.8072345	20	1 24.7	19.9
127166 2002 GP_{149}	15.7	X	59.52108	118.96087	348.58518	3.70186	0.0600626	0.21367699	2.7709639	20	2 19.9	19.3
127167 2002 GP_{150}	15.7	X	98.19167	344.16109	305.47044	0.89963	0.1532315	0.18873329	3.0100269	20	12 6.6	20.5
127168 2002 GQ_{151}	14.8	X	244.50901	177.33803	69.47248	16.35400	0.0932474	0.20526942	2.8461200	20	—	—
127169 2002 GX_{151}	15.5	X	339.64392	246.84938	99.97937	4.28021	0.0695868	0.23777603	2.5804216	20	9 17.9	18.5
127170 2002 GM_{152}	14.9	X	51.26302	270.91716	149.19470	10.87915	0.1394086	0.20570244	2.8421245	20	—	—
127171 2002 GL_{153}	15.3	X	49.24907	204.47966	134.59570	11.35808	0.0778422	0.18890518	3.0082007	20	12 6.7	19.7
127172 2002 GF_{154}	14.6	X	266.88396	324.08088	28.35443	14.12543	0.2318722	0.22797873	2.6538304	20	5 7.9	18.7
127173 2002 GT_{155}	15.6	X	63.49033	343.69292	126.65386	6.52371	0.0712378	0.21569947	2.7536157	20	3 2.3	19.0
127174 2002 GZ_{155}	15.5	X	142.89181	1.73619	58.87804	13.33689	0.1291723	0.22013524	2.7164997	20	4 17.0	19.7
127175 2002 GZ_{157}	15.6	X	196.00681	245.95487	128.34407	5.74118	0.0469621	0.21808719	2.7334803	20	4 10.7	19.6
127176 2002 GC_{159}	15.4	X	192.18747	43.92545	357.48327	13.95228	0.0624997	0.22407838	2.6845371	20	5 2.5	19.5
127177 2002 GK_{160}	14.8	X	262.68424	251.03484	164.62271	12.54052	0.0750338	0.18309891	3.0714648	20	8 15.3	19.2
127178 2002 GN_{160}	14.9	X	197.09680	279.08119	160.82957	10.61306	0.1120457	0.17727645	3.1383547	20	6 29.3	20.0
127179 2002 GB_{161}	15.6	X	170.24334	1.52911	111.28324	9.30687	0.2159383	0.23250288	2.6192915	20	7 15.8	20.0
127180 2002 GQ_{163}	15.7	X	109.45977	33.11739	44.35354	3.27101	0.0421317	0.21613407	2.7499232	20	3 17.1	19.4
127181 2002 GQ_{165}	15.6	X	329.11135	225.81660	122.08719	1.65577	0.1691393	0.23690392	2.5867506	20	8 27.0	18.0
127182 2002 GC_{166}	15.1	X	12.53080	192.86595	69.27555	16.30381	0.0710795	0.22715527	2.6602401	20	7 8.9	18.5
127183 2002 GW_{167}	16.0	X	341.00486	9.35261	237.95574	3.51283	0.0558314	0.22156068	2.7048359	20	4 27.6	19.4
127184 2002 GG_{170}	15.8	X	147.15499	69.77058	30.58670	4.18416	0.0380167	0.22309191	2.6924450	20	5 30.4	19.7
127185 2002 GL_{171}	15.6	X	178.02308	120.60585	19.52761	15.48991	0.0646795	0.23736678	2.5833867	20	9 6.8	19.5
127186 2002 GX_{171}	16.0	X	262.60514	103.91261	183.20136	1.77717	0.0345203	0.21643977	2.7473332	20	3 8.3	19.8
127187 2002 GB_{172}	15.3	X	94.38050	345.67725	148.87138	1.32363	0.1253882	0.17008443	3.2262128	20	5 22.8	19.8
127188 2002 GE_{172}	15.8	X	357.60094	62.47962	155.66685	2.83238	0.0083731	0.22073281	2.7115947	20	4 16.3	19.3
127189 2002 GL_{172}	15.7	X	306.18801	113.28022	28.13453	2.20364	0.0432610	0.20152780	2.8812398	20	—	—
127190 2002 GB_{174}	15.0	X	278.59660	39.24152	65.73417	11.36205	0.0384243	0.18920135	3.0050605	20	11 15.1	19.1
127191 2002 GT_{174}	15.8	X	347.25022	157.03431	98.34121	4.44058	0.2084863	0.22144943	2.7057418	20	5 10.1	18.3
127192 2002 GW_{174}	15.5	X	103.76235	57.90973	79.25230	7.43360	0.0166598	0.22423541	2.6832837	20	5 22.4	19.0
127193 2002 GB_{176}	15.8	X	77.17294	121.61199	56.54006	12.36990	0.1282528	0.22430671	2.6827150	20	6 27.3	19.5
127194 2002 GF_{176}	15.6	X	126.14345	43.69004	0.70499	12.60505	0.1477346	0.21702243	2.7424137	20	3 9.6	19.6
127195 2002 GK_{177}	15.4	X	103.94501	121.21709	91.82294	10.37066	0.0163207	0.18066862	3.0989476	20	9 1.1	19.9
127196 Hanaceplechová	15.5	X	57.79386	102.10653	149.82776	5.52444	0.1417160	0.23043254	2.6349569	20	9 13.7	18.9
127197 2002 HO	15.6	X	107.54345	70.52694	161.92918	6.68313	0.1825493	0.23596661	2.5935961	20	10 19.3	19.7
127198 2002 HF_{1}	15.6	X	184.32283	122.95438	92.45575	1.26354	0.1466873	0.19087715	2.9874461	20	11 27.2	20.2
127199 2002 HL_{2}	15.5	X	79.12242	305.21864	163.64931	9.01995	0.1188584	0.21815565	2.7329084	20	3 29.2	19.0
127200 2002 HC_{4}	15.0	X	307.81405	58.94159	109.37111	12.21393	0.0420870	0.20249336	2.8720733	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127201 2002 HY_4	14.6	X	280.12230	181.41962	70.70621	8.79232	0.2297857	0.21063377	2.7975899	20	1 24.9	19.0
127202 2002 HQ_5	14.4	X	87.55457	161.87390	124.94850	12.76324	0.2177196	0.18423655	3.0588078	20	11 30.9	19.5
127203 2002 HP_6	16.0	X	75.00528	243.40392	271.40218	3.93489	0.1047162	0.22195669	2.7016177	20	5 19.5	19.6
127204 2002 HJ_7	14.2	X	70.74903	105.81478	68.31268	24.20863	0.1473685	0.16833187	3.2485669	20	6 13.0	18.7
127205 2002 HW_7	16.1	X	169.06995	43.55403	33.87289	2.09544	0.0601217	0.22702315	2.6612721	20	5 28.0	20.0
127206 2002 HL_9	15.0	X	47.02198	145.78256	201.03346	25.20047	0.2898332	0.23879195	2.5730976	20	—	—
127207 2002 HC_{10}	15.5	X	333.60139	33.08516	199.24848	10.40275	0.0539127	0.21742451	2.7390316	20	3 27.5	19.0
127208 2002 HM_{10}	15.4	X	56.46680	66.03621	47.32835	3.86148	0.0179136	0.21269758	2.7794637	20	2 20.6	19.2
127209 2002 HB_{11}	14.6	X	353.91194	205.60622	56.58574	5.23108	0.1751829	0.16935292	3.2354964	20	6 4.8	18.1
127210 2002 HE_{11}	15.2	X	85.30385	18.79358	102.28633	13.94201	0.2283036	0.22333472	2.6904931	20	5 12.8	19.1
127211 2002 HK_{13}	13.7	X	118.35670	71.15947	131.16610	27.37970	0.2186445	0.17993800	3.1073305	20	9 22.6	19.2
127212 2002 HB_{14}	14.7	X	83.42869	36.98690	37.72144	28.23716	0.2206288	0.21476613	2.7615878	20	3 22.1	18.8
127213 2002 HS_{14}	15.4	X	183.92902	356.62756	173.02802	2.18568	0.1093330	0.18829045	3.0147446	20	10 5.8	20.1
127214 2002 HC_{15}	14.9	X	308.48350	232.01209	65.62589	2.96870	0.1169019	0.16972892	3.2307163	20	5 11.7	19.0
127215 2002 HY_{15}	15.0	X	150.38337	3.69419	113.91872	13.45882	0.1059828	0.22705996	2.6609845	20	6 30.9	19.0
127216 2002 HC_{16}	16.0	X	230.99125	267.58386	182.96810	1.98104	0.0493206	0.23712151	2.5851678	20	8 30.9	19.3
127217 2002 HS_{17}	15.8	X	75.91624	2.27301	91.52541	11.63516	0.3491134	0.21821864	2.7323825	20	4 14.7	19.5
127218 2002 JE	15.8	X	84.44411	102.90373	70.26092	8.12870	0.2079801	0.22739114	2.6584002	20	7 12.8	19.6
127219 2002 JR_3	15.3	X	30.61123	337.26780	259.84014	10.15260	0.0854326	0.22517154	2.6758415	20	7 2.8	18.5
127220 2002 JT_3	16.2	X	111.59810	239.96464	338.72547	6.70827	0.1689251	0.23513931	2.5996760	20	10 1.1	20.3
127221 2002 JC_4	15.1	X	69.33139	338.07677	108.74021	26.59751	0.1166741	0.21195285	2.7859706	20	2 17.3	18.8
127222 2002 JV_5	15.0	X	241.39991	342.60874	111.59904	12.49277	0.0590766	0.18298385	3.0727523	20	9 15.2	19.5
127223 2002 JW_5	15.4	X	49.85311	165.32904	116.27297	11.78739	0.1589363	0.17841786	3.1249555	20	10 11.1	19.9
127224 2002 JJ_6	15.4	X	150.84527	305.98384	227.47242	3.89765	0.1915732	0.23528962	2.5985687	20	9 11.3	19.7
127225 2002 JP_7	14.6	X	50.04738	55.69064	158.62352	6.29958	0.0984430	0.17053659	3.2205076	20	6 30.9	18.9
127226 2002 JQ_8	15.5	X	97.58077	22.29178	180.00526	8.87862	0.1331236	0.22992809	2.6388094	20	8 23.5	19.4
127227 2002 JS_8	15.3	X	223.34700	147.79500	124.94349	16.06467	0.1192936	0.20348407	2.8627435	20	1 4.7	19.9
127228 2002 JU_{10}	14.1	X	352.09793	229.05948	85.84565	14.26065	0.1472882	0.17446238	3.1720123	20	8 19.7	18.0
127229 2002 JH_{11}	15.2	X	191.75821	92.31065	57.23126	6.70741	0.1595995	0.18480312	3.0525528	20	9 19.0	20.2
127230 2002 JO_{14}	15.2	X	10.21885	98.79158	117.99276	16.50040	0.1168983	0.21815549	2.7329097	20	5 9.6	18.6
127231 2002 JM_{15}	15.4	X	348.37977	349.76524	176.25620	8.57704	0.1605428	0.20992079	2.8039208	20	1 10.8	18.9
127232 2002 JQ_{16}	15.3	X	350.24209	132.87030	154.71547	11.93151	0.1940550	0.22580130	2.6708639	20	7 6.9	17.9
127233 2002 JT_{16}	15.7	X	102.22485	15.40265	181.85661	13.56596	0.0972069	0.23033475	2.6357026	20	8 17.3	19.7
127234 2002 JJ_{17}	16.3	X	1.65597	258.43512	354.22934	1.52074	0.1468145	0.22207786	2.7006349	20	6 7.7	19.1
127235 2002 JW_{17}	16.0	X	157.20319	275.63630	238.19371	2.34080	0.1544281	0.23408316	2.6074897	20	8 23.7	20.2
127236 2002 JS_{18}	15.0	X	137.33534	195.53335	61.01845	13.06669	0.1371596	0.18806267	3.0171784	20	12 1.9	19.9
127237 2002 JC_{19}	15.4	X	78.54510	333.30307	170.55115	4.63481	0.0652405	0.21876156	2.7278598	20	5 5.5	18.9
127238 2002 JS_{20}	15.5	X	249.46288	134.20503	163.31253	8.35497	0.2108175	0.20962211	2.8065836	20	2 19.5	20.2
127239 2002 JA_{21}	15.5	X	253.30485	108.18733	41.91917	10.39039	0.0731980	0.19226901	2.9730111	20	12 1.6	19.6
127240 2002 JM_{25}	15.2	X	347.50097	187.13162	57.41665	13.79416	0.1275098	0.21967843	2.7202643	20	5 2.2	18.1
127241 2002 JM_{26}	15.6	X	81.18670	152.52532	94.27893	6.31338	0.1777297	0.23328355	2.6134447	20	10 12.1	19.5
127242 2002 JG_{28}	15.9	X	142.37460	66.22015	193.40932	3.12098	0.1430886	0.24389889	2.5370528	20	12 20.5	19.9
127243 2002 JH_{28}	15.3	X	1.78566	202.66741	53.46183	12.80465	0.1334675	0.22201967	2.7011067	20	6 11.6	18.2
127244 2002 JK_{29}	15.2	X	66.61389	138.94262	179.12292	1.59911	0.1647542	0.18412911	3.0599975	20	12 9.6	19.7
127245 2002 JG_{30}	15.3	X	151.60988	95.22789	195.22553	1.72810	0.2065581	0.19245184	2.9711279	20	—	—
127246 2002 JV_{32}	14.4	X	17.49889	335.17359	56.24788	11.18256	0.1152793	0.18971238	2.9996617	20	—	—
127247 2002 JF_{34}	15.5	X	335.01722	168.20112	79.95701	5.22386	0.1517588	0.21601665	2.7509196	20	4 12.5	18.5
127248 2002 JK_{35}	15.6	X	323.06028	126.48450	127.15899	2.81194	0.1833051	0.21430951	2.7655091	20	3 25.0	18.7
127249 2002 JM_{36}	14.5	X	10.22347	295.62530	67.16350	11.29213	0.0609649	0.18390891	3.0624397	20	11 11.7	18.5
127250 2002 JY_{37}	15.5	X	141.78283	175.90248	12.56357	5.80825	0.2069571	0.23592902	2.5938716	20	9 24.7	19.9
127251 2002 JD_{38}	14.8	X	116.30349	174.50791	115.75645	6.73219	0.1813789	0.18690545	3.0296194	20	12 24.3	19.9
127252 2002 JM_{39}	15.0	X	106.67038	173.67351	74.00364	15.74927	0.0742265	0.23710799	2.5852661	20	11 2.4	18.9
127253 2002 JQ_{39}	13.8	X	49.57505	204.39037	66.28721	28.04140	0.2372503	0.17518953	3.1632289	20	10 18.2	18.7
127254 2002 JJ_{42}	15.9	X	107.71790	102.98982	45.97981	2.28320	0.1478235	0.22633610	2.6666550	20	6 29.1	19.9
127255 2002 JX_{42}	15.5	X	282.68866	138.56685	118.17937	4.95362	0.0536809	0.21128878	2.7918050	20	2 23.2	19.3
127256 2002 JB_{43}	14.2	X	87.48381	308.48972	245.45011	11.90133	0.1170221	0.17501762	3.1652999	20	7 23.6	19.0
127257 2002 JZ_{43}	15.2	X	299.92183	255.48539	322.32373	5.69834	0.1135835	0.20979275	2.8050615	20	1 18.2	19.1
127258 2002 JC_{45}	15.4	X	40.47170	147.09328	10.32349	5.75538	0.0513759	0.21620384	2.7493316	20	3 27.4	18.8
127259 2002 JG_{45}	16.2	X	71.96087	301.53878	223.07857	6.84407	0.2123140	0.22368879	2.6876532	20	6 15.4	19.7
127260 2002 JE_{46}	15.2	X	242.73434	179.93086	21.61365	9.66409	0.0260199	0.19871249	2.9083898	20	—	—
127261 2002 JE_{47}	15.1	X	340.52394	304.70366	254.51574	9.96316	0.1739070	0.21249850	2.7811995	20	2 5.5	18.5
127262 2002 JF_{48}	15.4	X	197.57820	158.95329	33.28060	9.73535	0.1406205	0.24414274	2.5353632	20	11 20.3	19.1
127263 2002 JJ_{49}	14.2	X	53.76324	61.38448	252.47446	10.66513	0.2504547	0.18008096	3.1056858	20	11 30.7	18.7
127264 2002 JB_{50}	16.0	X	91.39577	205.42891	5.36983	2.48579	0.1013953	0.22964642	2.6409667	20	8 26.1	19.7
127265 2002 JX_{50}	15.3	X	16.08847	230.01302	333.92328	1.62708	0.1172503	0.21729182	2.7401466	20	4 23.5	18.2
127266 2002 JU_{51}	14.8	X	121.60258	76.77038	235.93776	9.21667	0.1009981	0.19221552	2.9735626	20	—	—
127267 2002 JY_{53}	15.7	X	88.36478	164.41620	14.75154	3.30108	0.1125994	0.22617673	2.6679075	20	7 12.2	19.3
127268 2002 JC_{55}	16.2	X	333.10293	233.73554	30.08627	1.51626	0.1834138	0.21800633	2.7341562	20	4 24.3	19.0
127269 2002 JJ_{55}	14.8	X	145.42477	113.90096	50.14126	6.15946	0.1172690	0.17830018	3.1263303	20	8 23.9	19.7
127270 2002 JK_{57}	15.5	X	117.77697	20.31426	224.99058	2.00329	0.1053104	0.18381497	3.0634829	20	10 30.4	20.1
127271 2002 JL_{60}	15.9	X	219.03096	171.23565	65.68373	2.82212	0.1288604	0.19716761	2.9235621	20	—	—
127272 2002 JS_{60}	15.5	X	347.14260	107.55750	168.54500	8.77140	0.2347390	0.22284984	2.6943944	20	6 9.9	17.9
127273 2002 JA_{61}	15.4	X	209.66832	350.70717	320.74176	1.23127	0.0484663	0.20709936	2.8293296	20	2 6.5	19.5
127274 2002 JE_{61}	14.6	X	180.71818	268.25056	207.90253	16.60990	0.2127128	0.17946435	3.1127955	20	7 22.1	20.2
127275 2002 JB_{63}	15.1	X	139.08202	68.18761	140.54103	6.37801	0.2265024	0.23615888	2.5921882	20	10 19.1	19.6
127276 2002 JF_{65}	15.6	X	95.30204	137.12416	78.38427	5.97744	0.2086867	0.23038910	2.6352881	20	9 19.7	19.8
127277 2002 JV_{65}	15.1	X	111.00030	101.27903	188.85766	5.56091	0.2882545	0.23949367	2.5680690	20	12 30.9	19.8
127278 2002 JC_{66}	15.7	X	340.33021	88.77873	168.97161	3.54725	0.1496803	0.21690564	2.7433980	20	5 4.7	18.6
127279 2002 JY_{66}	15.1	X	54.79661	146.18458	141.58205	2.30083	0.1819921	0.17739893	3.1369100	20	10 23.2	19.5
127280 2002 JK_{67}	14.7	X	136.62168	77.88542	136.73838	5.86158	0.2412859	0.23605719	2.5929326	20	10 24.3	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127281 2002 JA_{69}	15.2	X	56.11166	228.67373	58.94952	14.95988	0.1532788	0.23638770	2.5905151	20	11 2.3	18.8
127282 2002 JD_{69}	14.8	X	344.04937	149.80862	82.54740	11.62358	0.2010931	0.21768325	2.7368608	20	4 5.1	17.8
127283 2002 JQ_{69}	15.6	X	156.02700	55.10867	105.97940	8.67555	0.1355161	0.23641768	2.5902961	20	9 5.4	19.7
127284 2002 JF_{70}	15.3	X	314.33649	122.08684	130.23639	8.63609	0.1766022	0.21451031	2.7637830	20	3 12.4	18.8
127285 2002 JG_{70}	15.4	X	291.97669	168.42049	129.17928	9.01752	0.2048235	0.21635959	2.7480119	20	4 7.2	19.3
127286 2002 JC_{71}	15.2	X	71.24300	53.39255	98.02909	9.78898	0.1749771	0.22111708	2.7084523	20	5 23.5	18.7
127287 2002 JR_{72}	16.4	X	347.67194	107.80565	117.08044	7.79609	0.1760095	0.26976741	2.3721550	20	3 25.6	18.6
127288 2002 JV_{74}	15.7	X	299.28442	218.02589	23.88727	1.73578	0.2002924	0.20976688	2.8052922	20	2 4.1	19.6
127289 2002 JD_{75}	15.6	X	333.05960	241.49295	28.67269	3.55886	0.1578238	0.21734868	2.7396687	20	5 6.4	18.5
127290 2002 JM_{77}	14.8	X	178.22984	120.89697	24.67772	11.11073	0.0569230	0.18250572	3.0781165	20	9 6.3	19.5
127291 2002 JT_{77}	15.5	X	260.46471	175.59591	34.75038	2.32835	0.0201616	0.20338045	2.8637158	20	—	—
127292 2002 JJ_{78}	15.6	X	107.71034	296.08262	220.64691	3.02691	0.0616015	0.22700134	2.6614426	20	6 28.5	19.3
127293 2002 JL_{78}	15.5	X	234.22326	68.52462	223.50201	2.72759	0.0667009	0.21036425	2.7999789	20	2 7.5	19.7
127294 2002 JN_{79}	15.4	X	64.58458	249.02274	225.19433	3.96566	0.0696818	0.21446182	2.7641995	20	3 5.4	18.9
127295 2002 JE_{80}	15.4	X	134.26819	278.45722	12.46529	1.77083	0.0777435	0.19420442	2.9532257	20	—	—
127296 2002 JV_{80}	15.0	X	37.37415	40.72652	255.83065	4.01602	0.1661317	0.17886836	3.1197062	20	10 6.8	19.2
127297 2002 JD_{81}	16.2	X	51.26517	286.97812	8.53883	4.21480	0.2082744	0.23589476	2.5941227	20	11 9.8	19.8
127298 2002 JG_{81}	16.1	X	149.59704	283.50971	222.90299	1.69891	0.1318984	0.23319190	2.6141294	20	8 6.9	20.2
127299 2002 JU_{81}	15.1	X	7.98361	313.22746	291.38966	2.16702	0.1250802	0.17049825	3.2209904	20	6 6.9	19.0
127300 2002 JN_{83}	15.1	X	30.07683	30.30201	230.03874	4.56621	0.1081104	0.17316141	3.1878800	20	7 31.9	19.2
127301 2002 JX_{84}	16.1	X	68.37879	236.16124	287.68732	2.12759	0.1287493	0.22130994	2.7068785	20	5 26.4	19.5
127302 2002 JM_{85}	14.6	X	316.51477	330.09424	43.13012	9.85249	0.0250490	0.17933068	3.1143421	20	9 14.1	18.9
127303 2002 JG_{86}	15.1	X	33.03212	335.04726	355.91898	1.25874	0.1644273	0.18144625	3.0900871	20	11 14.6	19.2
127304 2002 JA_{87}	16.6	X	260.60316	299.56345	314.47662	1.36469	0.1521569	0.26080054	2.4262212	20	1 7.9	20.3
127305 2002 JJ_{87}	15.2	X	46.41940	40.15330	244.43275	4.81211	0.1461617	0.17724997	3.1386672	20	9 30.6	19.4
127306 2002 JR_{88}	15.5	X	161.31215	253.35930	37.89710	2.37444	0.0601506	0.19785468	2.9167900	20	—	—
127307 2002 JT_{88}	15.0	X	100.16551	143.39981	31.91373	10.74144	0.1556099	0.17431558	3.1737929	20	7 26.2	20.0
127308 2002 JF_{89}	15.6	X	80.79757	330.20998	234.80674	2.46711	0.0918221	0.17374308	3.1807610	20	7 28.8	20.2
127309 2002 JN_{89}	15.7	X	117.42681	324.08363	14.75850	1.92965	0.0561719	0.19789716	2.9163726	20	—	—
127310 2002 JT_{90}	17.2	X	85.06748	285.66880	20.58284	3.54336	0.1529404	0.29483096	2.2357367	20	—	—
127311 2002 JV_{90}	15.0	X	83.20162	293.53759	39.13294	11.15407	0.0887591	0.18994167	2.9972471	20	—	—
127312 2002 JC_{91}	14.2	X	236.31361	40.44100	242.48171	5.51196	0.0405464	0.15296347	3.4626683	20	2 6.8	19.4
127313 2002 JJ_{94}	16.1	X	124.65188	198.19065	31.84620	3.18872	0.1038451	0.23682010	2.5873609	20	10 26.8	20.1
127314 2002 JN_{94}	15.5	X	156.13410	235.01050	36.08762	1.16159	0.1016108	0.19172655	2.9786161	20	—	—
127315 2002 JL_{96}	15.6	X	6.54708	309.69274	278.61221	3.91264	0.1412931	0.21798974	2.7342949	20	5 11.0	18.3
127316 2002 JW_{96}	14.6	X	323.41094	322.47853	75.91136	15.13679	0.0737240	0.18492077	3.0512579	20	10 26.1	18.7
127317 2002 JA_{97}	14.6	X	6.17122	176.94475	139.93919	16.38475	0.0281782	0.17675827	3.1444852	20	9 5.8	18.9
127318 2002 JT_{97}	14.8	X	251.44187	46.68763	114.32311	2.95549	0.0823972	0.19591070	2.9360534	20	12 13.8	18.8
127319 2002 JB_{99}	14.5	X	44.57774	191.85033	105.58551	16.52716	0.1027757	0.18242396	3.0790363	20	10 19.3	19.0
127320 2002 JC_{99}	15.3	X	352.44996	58.19616	122.98082	15.41947	0.0273021	0.21314690	2.7755563	20	2 22.5	19.0
127321 2002 JW_{99}	15.3	X	64.35868	74.40890	133.35117	13.83485	0.1261257	0.22329845	2.6907844	20	7 19.9	18.9
127322 2002 JE_{100}	14.2	X	142.66693	274.67285	248.56069	24.13387	0.2499687	0.17819623	3.1275460	20	8 11.2	20.1
127323 2002 JL_{100}	14.2	X	93.43920	89.38717	106.39626	26.06100	0.1717665	0.17384126	3.1795633	20	8 14.6	19.2
127324 2002 JP_{100}	16.5	X	147.59265	47.22635	189.34236	12.13283	0.2527147	0.24139432	2.5545712	20	11 26.7	21.2
127325 2002 JN_{101}	14.7	X	107.56168	244.12398	52.01180	9.50051	0.0887692	0.18945593	3.0023679	20	12 18.3	19.3
127326 2002 JL_{102}	15.2	X	56.53038	168.66811	129.21345	1.90543	0.2032195	0.17813216	3.1282959	20	11 9.2	19.6
127327 2002 JS_{103}	15.4	X	199.16640	20.75626	219.28039	2.26384	0.0851095	0.19440565	2.9511875	20	—	—
127328 2002 JH_{105}	14.6	X	356.81262	296.07417	61.50667	10.23828	0.0616664	0.18109742	3.0940539	20	10 18.9	18.7
127329 2002 JZ_{107}	15.3	X	112.69529	23.15509	105.77575	15.95750	0.0844551	0.22505666	2.6767520	20	6 3.5	19.2
127330 2002 JL_{108}	14.5	X	201.94125	337.24522	157.52176	23.85467	0.0665912	0.18409577	3.0603670	20	9 15.7	19.1
127331 2002 JX_{109}	14.9	X	146.09181	156.88252	46.79196	10.14786	0.0069416	0.18067425	3.0988832	20	10 9.5	19.3
127332 2002 JW_{110}	15.8	X	321.21732	266.61895	344.84411	3.34166	0.1597802	0.21405044	2.7677400	20	3 20.9	19.3
127333 2002 JQ_{111}	14.8	X	153.27454	337.08914	279.21553	7.36046	0.0782440	0.18877236	3.0096116	20	12 17.7	19.3
127334 2002 JX_{111}	14.9	X	359.44713	1.29722	250.61855	12.23267	0.1475639	0.22034172	2.7148024	20	6 2.2	17.5
127335 2002 JB_{113}	15.0	X	297.35966	172.99666	146.72533	14.33551	0.1738279	0.22215387	2.7000188	20	5 18.9	18.7
127336 2002 JB_{115}	14.7	X	15.60188	174.64468	136.57206	10.18486	0.0755210	0.17561302	3.1581414	20	9 15.8	18.9
127337 2002 JK_{117}	15.4	X	1.44228	172.65884	139.30644	5.08286	0.1858959	0.17214108	3.2004647	20	8 31.2	18.7
127338 2002 JE_{118}	14.5	X	305.67989	297.27754	93.54438	22.47097	0.0191924	0.18223055	3.0812144	20	9 30.3	19.3
127339 2002 JK_{118}	15.4	X	98.69822	65.87632	76.19912	13.60603	0.1241939	0.22659386	2.6646323	20	6 6.3	19.1
127340 2002 JN_{118}	14.4	X	317.54886	188.67762	92.95160	16.58434	0.0399611	0.17027280	3.2238329	20	5 18.1	19.0
127341 2002 JO_{118}	15.4	X	317.33509	141.74007	140.28511	15.60778	0.0342433	0.22361627	2.6882343	20	5 18.2	19.2
127342 2002 JU_{118}	14.4	X	22.75777	189.14480	106.21834	15.37270	0.1947620	0.17848314	3.1241935	20	9 26.4	18.4
127343 2002 JE_{119}	15.2	X	8.85931	156.77449	112.49717	14.01722	0.0278329	0.22842520	2.6503712	20	7 10.5	18.4
127344 2002 JP_{119}	14.8	X	296.77701	211.08780	77.70316	14.66792	0.0656170	0.21963543	2.7206194	20	4 25.2	18.6
127345 2002 JQ_{119}	15.2	X	358.77008	81.93723	108.85152	13.41808	0.1927539	0.21602927	2.7508125	20	3 5.3	18.1
127346 2002 JU_{119}	15.3	X	100.51960	68.20548	75.73565	15.92355	0.0617157	0.22425108	2.6831587	20	6 2.5	18.8
127347 2002 JT_{120}	15.2	X	284.17458	160.81915	112.73135	11.71430	0.1678520	0.21258860	2.7804136	20	3 3.9	19.3
127348 2002 JV_{120}	15.1	X	201.39009	28.54291	106.94782	13.00946	0.1228716	0.23804716	2.5784619	20	9 22.1	19.2
127349 2002 JU_{121}	15.3	X	119.50567	56.88129	118.98241	11.75627	0.1952093	0.23091304	2.6313002	20	8 21.2	19.6
127350 2002 JB_{122}	14.7	X	35.96980	123.94043	164.49036	16.71683	0.0189548	0.18195756	3.0842955	20	9 6.5	19.0
127351 2002 JD_{123}	14.5	X	1.59996	160.78483	158.84511	13.94805	0.2148326	0.17564806	3.1577215	20	9 14.9	17.8
127352 2002 JC_{124}	14.5	X	316.97289	226.01942	101.49864	13.77897	0.0052200	0.17230448	3.1984410	20	7 14.1	18.9
127353 2002 JU_{125}	15.5	X	58.51685	335.62104	236.36878	10.79336	0.0311809	0.22530831	2.6747585	20	7 1.5	19.1
127354 2002 JF_{126}	14.9	X	244.67215	289.87555	183.37016	15.87995	0.1499649	0.18762525	3.0218659	20	9 26.3	19.3
127355 2002 JX_{126}	14.6	X	253.85843	347.59995	65.34313	23.41736	0.0865366	0.17493316	3.1663186	20	8 5.3	19.5
127356 2002 JB_{128}	15.4	X	235.46896	118.88106	184.24685	6.76687	0.0359611	0.21062958	2.7976269	20	2 24.3	19.4
127357 2002 JP_{128}	15.1	X	87.49461	322.54115	178.45101	8.67751	0.0786450	0.21977385	2.7194769	20	5 16.5	18.8
127358 2002 JF_{129}	16.5	X	96.15998	126.00353	55.33519	2.24709	0.0679467	0.22627141	2.6671633	20	7 18.5	20.2
127359 2002 JH_{129}	15.2	X	191.17269	289.57764	218.02511	3.75292	0.1491579	0.18338888	3.0682262	20	9 11.9	20.1
127360 2002 JM_{132}	15.2	X	127.01122	312.47993	232.00345	3.90652	0.0494494	0.17883356	3.1201109	20	8 20.9	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127361 2002 JY_{132}	15.7	X	270.97085	306.01875	346.98892	3.77502	0.0756214	0.21452819	2.7636294	20	3 20.5	19.7
127362 2002 JF_{134}	15.3	X	89.00714	245.35604	219.68033	12.52782	0.1722074	0.21740130	2.7392266	20	4 11.8	18.9
127363 2002 JG_{134}	14.7	X	285.92610	320.12368	34.05786	10.19460	0.1353181	0.17081620	3.2169923	20	6 18.4	19.3
127364 2002 JN_{134}	16.3	X	285.23494	183.01211	105.86400	0.34106	0.0764772	0.21614585	2.7498232	20	4 2.4	19.8
127365 2002 JO_{134}	15.6	X	217.24101	219.22552	54.02319	2.39762	0.0251220	0.20413831	2.8566237	20	—	—
127366 2002 JG_{135}	15.0	X	22.77568	163.31246	231.61373	8.03680	0.0981139	0.19157600	2.9801765	20	—	—
127367 2002 JZ_{135}	15.3	X	48.16466	290.76221	19.97307	1.74948	0.1580937	0.18131638	3.0915625	20	11 8.3	19.4
127368 2002 JC_{136}	16.7	X	53.06659	274.46137	238.39171	5.63830	0.0578011	0.27100198	2.3649452	20	4 2.3	19.3
127369 2002 JC_{143}	15.2	X	235.50988	184.19050	108.20761	9.44889	0.2016133	0.20951368	2.8075519	20	2 4.3	19.9
127370 2002 JJ_{144}	14.4	X	321.54550	242.84333	118.93265	16.83564	0.2232910	0.17605541	3.1528487	20	8 17.2	17.8
127371 2002 JT_{144}	14.7	X	136.39362	354.18737	171.08020	17.30552	0.1241458	0.17675257	3.1445528	20	8 11.7	19.8
127372 2002 JF_{145}	15.1	X	106.21496	149.30896	128.55476	14.91763	0.0184811	0.18625608	3.0366570	20	11 24.1	19.7
127373 2002 JT_{145}	14.6	X	32.63125	170.75811	138.18379	18.13379	0.1278724	0.17944606	3.1130070	20	10 18.7	19.0
127374 2002 KE	14.8	X	340.96604	148.90229	131.39236	14.48060	0.1335084	0.22303409	2.6929103	20	6 11.0	17.9
127375 2002 KN	15.0	X	172.93840	121.57395	148.54004	22.58173	0.1659033	0.19127604	2.9832913	20	—	—
127376 2002 KH_{1}	16.7	X	229.05445	161.31678	183.22592	22.60510	0.1022087	0.37462207	1.9057846	20	3 24.7	18.7
127377 2002 KP_{2}	15.3	X	57.15742	162.93187	149.85126	1.54753	0.1570752	0.18200524	3.0837568	20	11 22.0	19.7
127378 2002 KZ_{2}	15.0	X	35.30154	230.16645	63.53234	2.42830	0.1621140	0.17731484	3.1379016	20	10 2.2	19.0
127379 2002 KR_{3}	14.5	X	20.87186	204.56689	148.53323	22.74969	0.0899124	0.18047649	3.1011466	20	11 21.3	19.1
127380 2002 KR_{5}	15.3	X	13.27601	166.37638	129.09597	1.98251	0.1505338	0.17145399	3.2090093	20	8 26.9	19.1
127381 2002 KT_{5}	14.9	X	353.61009	9.22544	252.18037	7.56980	0.3180581	0.21674903	2.7447193	20	5 28.4	16.4
127382 2002 KQ_{6}	14.9	X	144.43635	58.98935	150.98885	16.94580	0.0931249	0.18544824	3.0454694	20	10 19.4	19.8
127383 2002 KK_{7}	14.8	X	63.21742	176.55701	112.15129	13.87150	0.1524305	0.24121631	2.5558279	20	11 14.6	18.7
127384 2002 KS_{13}	15.0	X	203.32551	339.09323	232.86824	9.40137	0.0569810	0.19015349	2.9950208	20	12 19.7	19.4
127385 2002 KT_{14}	14.7	X	39.82327	140.04295	168.43482	15.78076	0.0598996	0.17749405	3.1357891	20	10 14.3	19.1
127386 2002 LB_{2}	15.1	X	95.76505	315.10381	339.81254	2.09787	0.2771687	0.18031548	3.1029924	20	12 17.4	20.3
127387 2002 LR_{4}	15.3	X	258.46881	118.80488	111.36062	9.13296	0.1719860	0.20089317	2.8873045	20	—	—
127388 2002 LF_{5}	14.1	X	36.57194	109.12432	159.77650	12.17731	0.1434088	0.17241274	3.1971019	20	8 28.1	18.3
127389 2002 LW_{6}	14.6	X	334.02661	166.08530	202.24559	9.62365	0.0907631	0.17700389	3.1415755	20	9 23.3	18.6
127390 2002 LO_{8}	15.3	X	78.77281	160.04526	142.25364	4.95861	0.2101452	0.18150659	3.0894022	20	12 7.8	20.2
127391 2002 LT_{8}	14.8	X	358.12246	153.51233	180.89003	5.18090	0.2162336	0.17279141	3.1924292	20	9 26.5	18.2
127392 2002 LJ_{9}	14.7	X	114.08854	141.47297	94.77968	11.86822	0.0512685	0.17991593	3.1075846	20	10 17.2	19.4
127393 2002 LL_{10}	14.5	X	25.21049	166.47223	96.39726	15.40843	0.0562000	0.16908912	3.2388607	20	7 24.6	18.9
127394 2002 LR_{11}	16.3	X	5.92491	107.51466	112.63421	6.96922	0.1820930	0.27116318	2.3640078	20	4 28.4	18.2
127395 2002 LP_{13}	14.8	X	109.05547	281.47541	266.48725	6.81762	0.1554764	0.17479790	3.1679518	20	8 14.2	19.8
127396 2002 LQ_{17}	15.4	X	122.30974	164.47254	111.68271	2.50399	0.1930301	0.18519190	3.0482790	20	12 13.3	20.5
127397 2002 LQ_{18}	15.2	X	83.93696	142.46008	135.55312	1.83138	0.1472614	0.17958218	3.1114337	20	11 8.0	19.8
127398 2002 LD_{19}	15.7	X	93.09946	185.19701	61.12967	6.16768	0.1053239	0.23255901	2.6188700	20	10 15.5	19.5
127399 2002 LT_{21}	15.0	X	156.06465	296.49774	268.69671	4.96192	0.1191728	0.18423993	3.0587703	20	10 18.3	19.8
127400 2002 LW_{24}	14.7	X	6.24057	99.74959	203.58374	12.65041	0.1148214	0.17317259	3.1877428	20	8 18.2	18.9
127401 2002 LK_{25}	15.3	X	349.77680	140.64954	70.45989	13.77670	0.1430596	0.21773487	2.7364282	20	3 24.8	18.6
127402 2002 LP_{27}	15.1	X	248.69849	13.03798	266.24080	6.13238	0.2394398	0.20080892	2.8881121	20	1 27.1	20.1
127403 2002 LT_{29}	15.1	X	128.86647	130.65797	171.88439	6.25440	0.2062301	0.18913148	3.0058006	20	—	—
127404 2002 LX_{30}	15.2	X	73.04606	154.82435	123.73578	3.61434	0.1562313	0.17969947	3.1100797	20	10 30.2	19.8
127405 2002 LT_{32}	14.2	X	37.41570	164.62138	124.06211	17.63315	0.1726201	0.17608336	3.1525150	20	10 6.3	18.6
127406 2002 LD_{33}	15.0	X	187.61676	331.95806	188.95853	15.92840	0.2194414	0.18356185	3.0662985	20	9 21.9	20.2
127407 2002 LA_{35}	15.2	X	120.61745	145.02204	160.68492	10.77147	0.1667629	0.18861046	3.0113336	20	—	—
127408 2002 LP_{37}	14.4	X	105.79914	135.40274	146.80688	18.18014	0.1163466	0.18067533	3.0988708	20	12 4.7	19.5
127409 2002 LE_{38}	14.8	X	77.76584	310.40280	48.59170	9.88160	0.1110382	0.19167645	2.9791351	20	—	—
127410 2002 LF_{45}	14.9	X	64.30175	259.08256	50.59048	2.69464	0.1148609	0.18220872	3.0814605	20	11 20.4	19.3
127411 2002 LS_{48}	15.0	X	283.50256	279.34059	142.06364	12.42720	0.1198607	0.17816720	3.1278857	20	9 16.6	19.2
127412 2002 LA_{51}	14.3	X	296.15706	305.72383	84.46652	26.40349	0.0905103	0.17672191	3.1449165	20	9 7.5	19.0
127413 2002 LS_{53}	15.7	X	292.08586	120.60863	138.68682	8.74976	0.1214882	0.21031264	2.8004369	20	2 28.4	19.6
127414 2002 LQ_{57}	14.5	X	41.63732	70.09499	251.96958	20.48084	0.0779077	0.18189308	3.0850244	20	10 31.5	18.9
127415 2002 NG_{6}	15.4	X	173.47536	111.82029	175.12456	2.32868	0.1192913	0.18970045	2.9997874	20	—	—
127416 2002 NF_{10}	15.5	X	72.95863	138.68239	156.25973	1.83445	0.1474732	0.17669743	3.1452069	20	11 16.1	20.2
127417 2002 NK_{11}	15.3	X	102.34356	152.18859	157.46103	1.34444	0.0894611	0.18278197	3.0750144	20	12 28.0	19.8
127418 2002 NB_{19}	14.8	X	99.85657	28.24557	250.82516	3.95764	0.1130966	0.17740413	3.1368487	20	11 20.7	19.5
127419 2002 NU_{24}	15.1	X	200.55117	4.42710	245.12216	5.17105	0.2981149	0.19013928	2.9951700	20	—	—
127420 2002 NZ_{26}	16.5	X	278.69401	64.41513	253.86674	2.93484	0.1337034	0.26271882	2.4143965	20	4 20.5	19.8
127421 2002 OE_{7}	14.5	X	126.72528	322.13271	273.69240	11.61333	0.2532280	0.17571999	3.1568596	20	10 29.8	20.1
127422 2002 OX_{11}	14.8	X	336.40753	126.48663	186.83176	14.99044	0.2133567	0.21759527	2.7375985	20	7 10.8	17.7
127423 2002 OF_{13}	15.0	X	155.76939	97.35947	172.97189	10.77760	0.0765730	0.18488791	3.0516194	20	—	—
127424 2002 OJ_{15}	14.7	X	222.46511	273.38168	225.61137	8.61723	0.0167984	0.17461122	3.1702094	20	10 15.9	19.3
127425 2002 OL_{18}	15.0	X	58.62973	129.56690	164.63962	14.67154	0.1102639	0.17154778	3.2078397	20	10 27.2	19.7
127426 2002 OV_{21}	14.4	X	57.66016	213.44362	165.45991	9.69130	0.3098930	0.12430362	3.9763098	20	—	—
127427 2002 OE_{23}	14.6	X	111.03439	337.19435	294.32938	15.98804	0.1818397	0.17907438	3.1173130	20	11 26.0	20.0
127428 2002 PX	16.4	X	44.02579	343.85731	250.60448	19.28868	0.0356756	0.37923694	1.8902923	20	7 18.6	18.5
127429 2002 PK_{5}	16.3	X	335.37461	304.98975	262.92177	8.61282	0.1527859	0.25764262	2.4460064	20	2 4.7	19.2
127430 2002 PD_{14}	16.6	X	354.11406	253.09953	152.61101	7.66386	0.1042807	0.28938338	2.2637076	20	—	—
127431 2002 PB_{15}	15.0	X	120.98842	94.56236	161.89817	5.41369	0.0979547	0.17818265	3.1277049	20	11 15.9	19.9
127432 2002 PE_{15}	15.1	X	71.25568	44.86834	238.24550	2.67234	0.1546802	0.17424903	3.1746009	20	10 30.8	19.7
127433 2002 PO_{16}	14.7	X	111.06225	301.57361	304.97263	8.10439	0.0566425	0.17464772	3.1697678	20	10 15.9	19.6
127434 2002 PA_{17}	15.3	X	165.76000	15.61777	217.34248	4.02396	0.1412438	0.18209028	3.0827966	20	11 29.8	20.2
127435 2002 PX_{21}	14.6	X	106.97005	1.54874	252.64297	4.38220	0.0495576	0.17385233	3.1794284	20	10 22.5	19.3
127436 2002 PD_{32}	15.3	X	146.65520	151.60050	165.01004	2.97599	0.1986315	0.18771918	3.0208578	20	—	—
127437 2002 PZ_{51}	15.1	X	98.35655	342.25354	339.13760	4.53879	0.1628179	0.18138424	3.0907913	20	—	—
127438 2002 PF_{52}	15.2	X	144.18873	278.11376	344.12617	4.78019	0.1202421	0.18140714	3.0905313	20	12 13.7	20.2
127439 2002 PY_{59}	15.5	X	92.44634	186.86257	156.50994	13.73424	0.1921295	0.23556114	2.5965715	20	—	—
127440 2002 PE_{66}	15.0	X	137.74709	116.75307	151.34365	5.80182	0.1096775	0.18245742	3.0786598	20	12 15.4	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127441 2002 PK_{66}	15.2	X	102.92383	125.24296	143.28828	9.63566	0.0367198	0.17660135	3.1463476	20	11 7.9	19.9
127442 2002 PW_{66}	14.0	X	61.89714	211.10318	155.70278	6.11247	0.2946831	0.12551464	3.9506916	20	—	—
127443 2002 PX_{69}	14.5	X	154.79633	310.67687	273.37555	15.31144	0.1891950	0.17753142	3.1353491	20	11 5.9	20.0
127444 2002 PQ_{71}	15.2	X	265.99506	85.50572	178.77685	11.96965	0.1454413	0.20151855	2.8813280	20	1 31.5	19.9
127445 2002 PP_{84}	14.4	X	140.52973	277.69845	346.68810	13.20990	0.1402930	0.17909865	3.1170314	20	12 11.9	19.7
127446 2002 PD_{102}	15.6	X	121.74641	36.38800	162.05906	15.96828	0.0942499	0.22301219	2.6930865	20	9 12.2	19.5
127447 2002 PY_{112}	17.0	X	230.72588	308.74237	312.31037	17.86312	0.0519320	0.35827238	1.9633324	20	—	—
127448 2002 PY_{118}	13.7	X	34.80917	128.84429	271.75423	7.24560	0.1485805	0.12377527	3.9876171	20	—	—
127449 2002 PM_{124}	14.3	X	71.47299	167.82615	204.17208	2.36052	0.2465595	0.12537813	3.9535587	20	—	—
127450 2002 PH_{125}	15.1	X	93.78837	353.96183	335.44505	4.63023	0.1677065	0.18127260	3.0920602	20	—	—
127451 2002 PZ_{140}	14.2	X	123.06741	239.89541	35.65603	17.03884	0.2052127	0.18070233	3.0985622	20	12 10.2	19.6
127452 2002 PN_{156}	15.6	X	55.46004	198.61315	141.04174	1.40114	0.0669530	0.17752483	3.1354267	20	12 8.9	19.9
127453 2002 PK_{163}	16.0	X	223.95297	132.01435	112.46300	0.64945	0.1870663	0.19228500	2.9728462	20	—	—
127454 2002 PN_{169}	15.0	X	18.83846	15.57777	23.46256	0.74870	0.2006332	0.17749838	3.1357381	20	—	—
127455 2002 QJ_{6}	16.3	X	180.87366	122.74930	256.97263	20.91338	0.1862352	0.36508848	1.9388191	20	3 11.8	19.8
127456 2002 QV_{26}	15.5	X	91.71613	235.97994	34.42134	1.03054	0.1883629	0.17250169	3.1960027	20	11 8.8	20.4
127457 2002 QM_{28}	14.9	X	19.07937	345.20774	359.73123	6.05933	0.1313371	0.17293600	3.1906496	20	11 4.1	19.1
127458 2002 QF_{40}	16.0	X	47.77457	321.78386	63.75811	5.00577	0.1916817	0.23714705	2.5849822	20	—	—
127459 2002 QS_{42}	15.3	X	142.91912	296.85546	343.01911	15.57354	0.1973852	0.18440428	3.0569527	20	—	—
127460 2002 QJ_{47}	14.8	X	161.72782	277.68449	43.65482	10.05024	0.0824183	0.18812915	3.0164675	20	1 2.9	19.4
127461 2002 QV_{49}	15.3	X	134.10659	265.59389	350.27278	9.22397	0.1831011	0.17736796	3.1372751	20	11 26.1	20.7
127462 2002 QY_{49}	15.5	X	240.83812	159.94037	20.66561	5.45104	0.1956710	0.23521997	2.5990816	20	12 17.7	18.8
127463 2002 QC_{65}	15.6	X	207.38807	62.48978	171.97552	11.88648	0.1236944	0.18694810	3.0291586	20	—	—
127464 2002 RQ_{6}	16.7	X	279.88210	20.57347	253.99019	1.17760	0.0808442	0.31216440	2.1521893	20	2 25.1	19.2
127465 2002 RY_{32}	14.5	X	76.17022	114.21695	190.28852	7.69427	0.2765318	0.17368574	3.1814611	20	12 12.6	19.8
127466 2002 RA_{40}	16.1	X	310.44714	196.36940	148.42832	7.61472	0.1390702	0.27074077	2.3664660	20	7 19.9	18.5
127467 2002 RX_{41}	17.0	X	67.39918	186.91573	129.59064	2.58821	0.1761417	0.28553866	2.2839825	20	12 30.0	20.3
127468 2002 RC_{86}	14.5	X	355.87383	307.01108	11.82141	6.91585	0.0566924	0.15979309	3.3632880	20	8 24.5	19.0
127469 2002 RP_{94}	13.8	X	111.18765	184.96973	153.99512	3.33056	0.2490640	0.12561524	3.9485820	20	—	—
127470 2002 RY_{98}	14.7	X	94.16823	211.05489	85.08712	2.20994	0.1434195	0.17170283	3.2059082	20	12 6.7	19.8
127471 2002 RD_{110}	15.8	X	84.47485	21.29576	224.69623	5.65491	0.0749974	0.27506177	2.3416172	20	10 4.2	18.9
127472 2002 RD_{113}	14.3	X	133.05685	288.23733	329.93016	15.17372	0.1763019	0.17998675	3.1067694	20	11 27.4	19.7
127473 2002 RX_{125}	16.3	X	276.37594	125.72234	194.19087	6.17086	0.1341165	0.26135034	2.4228173	20	4 21.5	19.3
127474 2002 RW_{140}	14.8	X	161.49072	234.86420	48.23990	10.52729	0.0796479	0.18176102	3.0865185	20	—	—
127475 2002 RC_{141}	16.5	X	236.97353	205.13271	76.13652	6.46702	0.1074167	0.30497259	2.1858927	20	1 15.2	19.5
127476 2002 RF_{153}	16.4	X	117.17918	39.42788	260.45991	5.13501	0.1837488	0.28996530	2.2606779	20	—	—
127477 2002 RS_{211}	16.7	X	114.60029	126.63875	227.77619	1.68933	0.2093697	0.24003643	2.5641963	20	—	—
127478 2002 SX_{19}	16.5	X	246.46812	37.06970	294.03665	17.83083	0.0701170	0.36775498	1.9294358	20	3 17.4	19.3
127479 2002 SE_{23}	16.1	X	3.58334	87.71711	181.34936	7.35544	0.0805038	0.26519466	2.3993459	20	7 5.6	18.8
127480 2002 SU_{28}	16.2	X	161.71635	155.98734	137.40165	9.13771	0.1311120	0.29464860	2.2366591	20	—	—
127481 2002 ST_{29}	14.8	X	198.36644	72.73723	153.24127	6.76832	0.1131281	0.17912568	3.1167178	20	12 23.2	19.6
127482 2002 SK_{36}	16.2	X	269.62209	250.52938	73.84757	4.58885	0.1284811	0.25863889	2.4397210	20	4 20.9	19.6
127483 2002 SE_{44}	16.4	X	52.61439	202.68201	169.03583	1.48113	0.0396721	0.23153500	2.6265859	20	—	—
127484 2002 SA_{45}	16.6	X	128.69374	140.69204	160.32343	3.22291	0.1888247	0.29028163	2.2590353	20	—	—
127485 2002 ST_{54}	15.9	X	19.16429	293.70338	49.26126	7.64872	0.1438531	0.28149354	2.3058113	20	12 1.9	18.5
127486 2002 SJ_{64}	15.5	X	157.80102	15.72692	39.98660	6.20952	0.1648704	0.20086603	2.8875646	20	4 24.3	20.1
127487 2002 TP_{3}	14.9	X	128.69554	261.49363	48.15597	2.10353	0.1625213	0.17878407	3.1206867	20	—	—
127488 2002 TE_{11}	16.8	X	48.63566	70.70153	202.77438	2.81178	0.1312930	0.27505083	2.3416793	20	10 4.9	19.6
127489 2002 TN_{16}	17.0	X	21.69718	232.17134	158.50764	6.77745	0.0947257	0.28523291	2.2856144	20	—	—
127490 2002 TU_{18}	16.2	X	1.10158	314.78760	335.14895	1.69994	0.2124591	0.27033267	2.3688471	20	8 17.0	17.8
127491 2002 TV_{21}	16.4	X	154.30181	276.60516	28.24439	6.80979	0.1723294	0.29497227	2.2350226	20	—	—
127492 2002 TC_{23}	16.5	X	202.67625	59.81880	194.05080	7.81345	0.1759204	0.29425587	2.2386487	20	—	—
127493 2002 TU_{29}	17.0	X	162.00707	226.70203	196.14334	3.46748	0.0850157	0.30963487	2.1638948	20	4 29.9	19.8
127494 2002 TR_{30}	16.9	X	353.80831	218.25804	204.98460	5.43453	0.1656864	0.28270810	2.2992025	20	—	—
127495 2002 TW_{30}	15.6	X	300.42527	156.25182	203.29709	5.34528	0.0694414	0.21027904	2.8007353	20	7 27.5	19.3
127496 2002 TL_{39}	14.8	X	354.09334	144.28226	226.66579	8.44640	0.2566220	0.21922050	2.7240513	20	11 29.0	17.3
127497 2002 TS_{44}	15.0	X	8.97509	228.84300	177.39167	5.40793	0.1604364	0.17148399	3.2086351	20	—	—
127498 2002 TQ_{47}	16.5	X	83.38718	36.91236	50.93385	3.23462	0.0851608	0.29967129	2.2115968	20	2 19.9	18.8
127499 2002 TF_{56}	15.3	X	334.40407	108.92747	238.72668	4.54990	0.0993980	0.21581537	2.7526297	20	9 1.5	18.5
127500 2002 TH_{57}	17.0	X	191.24893	130.48073	210.47914	21.34712	0.0884920	0.35958712	1.9585438	20	1 28.8	20.1
127501 2002 TN_{59}	16.2	X	210.98633	119.64837	213.49342	20.49857	0.0865090	0.36153588	1.9514995	20	2 9.7	19.3
127502 2002 TP_{59}	16.9	X	325.54784	19.16159	170.00567	22.84975	0.0515281	0.35799765	1.9643367	20	—	—
127503 2002 TR_{59}	15.9	X	77.15025	265.14631	275.52944	19.47983	0.1145571	0.37077705	1.9189375	20	7 4.9	17.6
127504 2002 TW_{66}	16.5	X	15.70901	267.97613	57.27411	20.84203	0.1001427	0.33011682	2.0734375	20	11 10.1	18.5
127505 2002 TF_{80}	15.1	X	293.19886	335.89840	92.10853	9.88357	0.1171487	0.21740248	2.7392167	20	10 20.4	18.5
127506 2002 TA_{91}	15.2	X	102.96381	200.51141	230.18816	5.45763	0.2222936	0.18836062	3.0139958	20	3 24.6	19.6
127507 2002 TU_{131}	15.9	X	96.54556	6.94375	331.52568	6.95298	0.1450161	0.29008849	2.2600379	20	—	—
127508 2002 TU_{216}	14.5	X	285.06027	6.55860	107.68182	16.35501	0.0524517	0.17281153	3.1921815	20	12 1.7	19.0
127509 2002 TP_{220}	16.2	X	168.50238	266.91042	209.00748	21.02022	0.0707934	0.37782107	1.8950119	20	7 20.9	19.0
127510 2002 TM_{229}	16.0	X	191.73119	19.27005	184.04234	2.98800	0.1416228	0.28086276	2.3092623	20	12 7.1	19.1
127511 2002 TY_{233}	15.7	X	161.03497	33.93462	289.57056	8.88234	0.1131875	0.24125038	2.5555872	20	—	—
127512 2002 TE_{240}	14.8	X	38.96952	269.58585	205.82041	15.22965	0.0736994	0.18586771	3.0408857	20	1 31.8	19.1
127513 2002 TD_{250}	16.8	X	331.48320	141.45408	158.78830	2.40160	0.1853558	0.26546391	2.3977233	20	6 16.1	18.7
127514 2002 TS_{295}	16.3	X	148.79237	245.25326	244.17747	18.62010	0.0872606	0.37118177	1.9175423	20	7 15.6	19.0
127515 Nitta	15.7	X	102.72660	126.67652	137.23007	6.79231	0.0842925	0.22304688	2.6928073	20	11 13.6	19.7
127516 Oravetz	16.6	X	146.99777	183.90591	72.46323	7.49214	0.0804612	0.28440708	2.2900367	20	—	—
127517 Kaikepan	14.9	X	31.48159	307.51563	93.16488	14.53123	0.0705468	0.17328906	3.1863143	20	—	—
127518 2002 UH_{16}	16.0	X	54.91351	243.13401	77.40804	7.12818	0.1360106	0.27932811	2.3177128	20	12 16.5	19.2
127519 2002 UJ_{16}	14.2	X	122.19987	201.54894	128.31022	7.01231	0.2471231	0.12393553	3.9841790	20	—	—
127520 2002 UQ_{29}	16.5	X	179.87422	52.43681	67.28790	22.58766	0.0898791	0.37374286	1.9087723	20	8 30.4	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127521 2002 VK_{14}	15.0	X	264.48479	239.69585	241.44455	23.21516	0.3287886	0.26899204	2.3767113	20	10 14.3	18.1
127522 2002 VD_{24}	16.8	X	101.46247	199.42554	232.56475	1.68364	0.1025115	0.29887396	2.2155285	20	2 25.2	19.2
127523 2002 VN_{47}	14.9	X	99.27946	12.21624	110.11063	11.02454	0.0418639	0.19305576	2.9649283	20	5 5.3	19.2
127524 2002 VV_{59}	16.5	X	89.98881	236.80594	64.53233	7.87293	0.1167656	0.28010813	2.3134081	20	12 28.1	19.8
127525 2002 VE_{60}	14.8	X	172.86958	311.29124	65.19826	12.79589	0.1653527	0.19212796	2.9744659	20	3 28.4	19.9
127526 2002 VU_{100}	14.7	X	155.69195	285.14967	10.80885	9.88862	0.2839047	0.17945544	3.1128985	20	—	—
127527 2002 VT_{114}	15.4	X	33.39498	258.52483	69.82930	9.85033	0.1988279	0.21892636	2.7264907	20	11 26.2	19.0
127528 2002 VM_{119}	15.9	X	82.16166	344.95956	44.84943	8.60427	0.1051261	0.28888186	2.2663268	20	—	—
127529 2002 VL_{125}	16.5	X	247.32058	171.39365	315.94447	7.08624	0.0675125	0.27361301	2.3498757	20	11 13.1	19.5
127530 2002 VX_{127}	16.0	X	254.49720	303.17580	75.49973	22.92492	0.1064257	0.37208976	1.9144215	20	6 18.2	17.9
127531 2002 WS_{5}	16.3	X	84.17033	251.36878	56.50553	6.99608	0.1906275	0.28040160	2.3117936	20	—	—
127532 2002 WH_{9}	12.8	X	341.99041	166.14997	90.89357	10.94821	0.0095908	0.08448235	5.1438945	20	5 20.4	19.7
127533 2002 WZ_{9}	15.6	X	80.26655	254.12089	77.30235	15.79901	0.1160337	0.22538108	2.6741827	20	—	—
127534 2002 WR_{17}	12.3	X	65.09411	45.85414	127.66099	14.75431	0.0447739	0.08264416	5.2198888	20	5 27.3	19.3
127535 2002 XL_{14}	16.4	X	265.38746	246.73136	81.21758	6.40721	0.2569294	0.31103867	2.1573791	20	4 4.3	19.6
127536 2002 XO_{26}	14.8	X	244.82820	221.11912	43.90511	11.81027	0.0712737	0.18125752	3.0922317	20	1 25.2	19.6
127537 2002 XU_{29}	16.4	X	179.20079	292.00742	111.03847	6.00923	0.1039181	0.30301526	2.1952958	20	4 25.9	19.5
127538 2002 XV_{45}	16.5	X	40.60253	315.36693	262.90523	17.73507	0.0583879	0.36536962	1.9378244	20	6 23.6	17.9
127539 2002 XV_{46}	16.5	X	57.82058	126.51395	54.69714	22.84359	0.0240748	0.36173370	1.9507880	20	5 16.5	18.1
127540 2002 XQ_{63}	16.2	X	257.77444	69.19805	272.36298	18.15415	0.0885889	0.36451472	1.9408531	20	4 22.3	18.8
127541 2002 XZ_{65}	16.0	X	53.30990	188.75987	335.81264	19.07585	0.0429860	0.35738802	1.9665699	20	4 1.8	18.1
127542 2002 XR_{66}	15.8	X	50.13796	201.61526	72.82991	6.14188	0.2150662	0.26685007	2.3894127	20	10 22.2	18.9
127543 2002 XA_{73}	16.5	X	228.43491	19.93507	12.86603	2.31542	0.0397162	0.31171080	2.1542767	20	6 12.2	18.9
127544 2002 XD_{81}	16.3	X	190.60525	313.17840	59.63450	6.54944	0.2239033	0.30203877	2.2000249	20	3 30.6	20.0
127545 Crisman	16.2	X	36.46803	226.13891	247.23688	4.11591	0.0915595	0.29103103	2.2551556	20	1 7.3	18.3
127546 2002 XU_{93}	8.0	X	7.81576	27.83167	90.42608	77.96157	0.6838892	0.00182338	66.3566932	20	5 7.2	22.2
127547 2002 XG_{94}	15.8	X	247.36690	168.78983	82.67913	9.04757	0.1632611	0.23843551	2.5756613	20	—	—
127548 2002 YM	16.5	X	62.79594	19.67020	82.44547	5.33772	0.0871326	0.29202119	2.2500550	20	2 8.4	18.7
127549 2002 YH_{1}	16.0	X	2.22050	201.87943	296.73653	3.39109	0.1365400	0.28597383	2.2816648	20	—	—
127550 2002 YB_{2}	16.4	X	66.76668	183.05720	355.57317	18.66121	0.0796779	0.36102171	1.9533519	20	6 2.1	18.8
127551 2002 YQ_{3}	16.3	X	268.72948	25.01353	331.84972	18.11442	0.1017572	0.36590819	1.9359225	20	6 4.8	18.8
127552 2002 YF_{5}	15.7	X	48.32887	326.03161	30.22636	24.03312	0.2955361	0.27425270	2.3462202	20	—	—
127553 2002 YN_{9}	14.9	X	345.00250	309.04789	277.13813	13.56531	0.1267587	0.24193224	2.5507832	20	3 18.8	18.1
127554 2002 YW_{9}	15.9	X	197.18213	324.85217	95.13762	8.77393	0.0656044	0.25147979	2.4858065	20	6 7.9	19.4
127555 2002 YT_{11}	16.3	X	112.85346	276.53251	107.15842	6.70509	0.1381315	0.29063231	2.2572177	20	1 12.9	18.6
127556 2002 YW_{11}	16.4	X	79.36095	295.30284	267.93185	4.23560	0.0433530	0.31183562	2.1537018	20	7 27.6	18.8
127557 2002 YA_{12}	15.2	X	36.83459	67.87517	94.04114	22.68242	0.2406117	0.28988502	2.2610953	20	4 23.8	17.5
127558 2002 YM_{23}	15.9	X	124.21730	218.82903	115.83657	7.40320	0.1514544	0.28516906	2.2859555	20	—	—
127559 2002 YZ_{23}	16.5	X	236.71619	99.30430	320.65388	0.62085	0.1761146	0.25880619	2.4386695	20	7 13.1	19.9
127560 2002 YQ_{26}	16.4	X	198.95960	40.77575	311.13373	2.83763	0.0414904	0.29754203	2.2221353	20	3 5.3	19.1
127561 2002 YC_{28}	16.4	X	312.38198	297.86954	93.40718	2.26188	0.1939699	0.26678526	2.3897997	20	10 4.5	18.1
127562 2002 YH_{31}	17.4	X	97.52607	206.59399	209.54918	1.18530	0.2237153	0.29256440	2.2472690	20	2 18.4	19.8
127563 2002 YF_{32}	16.1	X	256.84727	283.43533	97.35901	24.32796	0.0622408	0.37363792	1.9091296	20	7 5.2	17.7
127564 2003 AX	16.1	X	202.42735	186.62566	213.89167	5.11310	0.0475364	0.30501844	2.1856737	20	5 18.7	18.8
127565 2003 AM_{5}	16.8	X	292.33223	116.92058	305.49789	0.40881	0.1661702	0.26783537	2.3835491	20	10 11.3	18.8
127566 2003 AL_{6}	15.0	X	74.23258	280.68491	133.57675	28.87610	0.1883327	0.22851770	2.6496560	20	1 16.6	18.1
127567 2003 AS_{8}	15.5	X	96.35770	2.41904	147.97059	26.79402	0.2437786	0.29759902	2.2218516	20	7 4.0	19.2
127568 2003 AV_{9}	15.7	X	193.34412	164.75185	108.15717	8.90441	0.0604172	0.22468366	2.6797136	20	—	—
127569 2003 AQ_{13}	16.4	X	57.84149	272.01680	247.82808	4.57278	0.0501407	0.29895386	2.2151337	20	4 17.9	18.8
127570 2003 AH_{16}	15.3	X	95.03830	281.82476	105.51196	13.84708	0.1838994	0.23669320	2.5882856	20	1 10.3	18.4
127571 2003 AM_{17}	16.1	X	269.25624	349.26777	313.18085	16.98669	0.0671571	0.35479664	1.9761340	20	3 10.5	18.7
127572 2003 AR_{30}	16.6	X	38.33021	251.07487	290.09467	4.95787	0.0584586	0.29920053	2.2139160	20	4 17.6	19.0
127573 2003 AT_{30}	16.0	X	22.03667	152.24394	275.60872	0.90796	0.0673090	0.22375538	2.6871200	20	—	—
127574 2003 AG_{34}	16.3	X	344.10875	299.65061	67.75958	7.50986	0.2375805	0.27071249	2.3666309	20	11 18.9	17.8
127575 2003 AL_{41}	16.1	X	111.98545	94.21018	282.97544	7.59945	0.1091679	0.28527316	2.2853994	20	—	—
127576 2003 AT_{41}	16.1	X	15.21569	189.56257	241.44051	5.79011	0.0834250	0.27761087	2.3272609	20	—	—
127577 2003 AF_{44}	17.3	X	123.03838	41.48001	14.11589	4.47361	0.2056781	0.29780189	2.2208424	20	3 19.5	20.3
127578 2003 AA_{53}	16.5	X	208.89194	130.83464	80.35491	3.69134	0.1821835	0.27017002	2.3697977	20	12 28.8	19.5
127579 2003 AJ_{58}	14.1	X	330.94642	122.91788	120.37110	29.26732	0.0841085	0.18223264	3.0811909	20	4 21.1	18.8
127580 2003 AD_{59}	16.7	X	0.63788	139.33117	16.42492	3.78301	0.1575190	0.28673996	2.2775989	20	—	—
127581 2003 AW_{59}	16.2	X	191.31874	124.41268	42.42528	2.88689	0.1773552	0.26188780	2.4195014	20	10 14.8	19.9
127582 2003 AK_{61}	16.0	X	355.27167	205.45351	239.30250	6.59869	0.0819652	0.27912801	2.3188204	20	—	—
127583 2003 AG_{64}	15.3	X	195.66632	282.43858	57.04547	15.48396	0.1719752	0.24096905	2.5575760	20	3 2.4	19.8
127584 2003 AD_{67}	13.9	X	74.70321	127.85186	121.36828	23.04789	0.2540188	0.19273498	2.9682172	20	10 18.1	19.0
127585 2003 AW_{70}	16.2	X	88.90039	312.52799	66.77299	7.32331	0.1141626	0.28347737	2.2950410	20	—	—
127586 2003 AY_{79}	15.9	X	32.92885	202.62759	12.02365	19.33995	0.0526417	0.35732939	1.9667850	20	5 25.1	18.1
127587 2003 AQ_{82}	16.3	X	291.28015	139.52254	124.87067	7.63220	0.1559745	0.29589953	2.2303509	20	2 19.1	19.2
127588 2003 AL_{88}	16.0	X	306.84563	259.81776	274.98296	3.63021	0.1737861	0.27838189	2.3229618	20	—	—
127589 2003 AS_{91}	14.7	X	276.22417	285.99213	356.68456	14.04504	0.0078916	0.18150186	3.0894558	20	3 25.1	19.0
127590 2003 BY_{1}	15.5	X	247.40156	18.98530	108.75030	5.51946	0.0171153	0.21084068	2.7957593	20	11 11.6	19.3
127591 2003 BF_{6}	16.8	X	72.21734	46.99182	129.84899	3.00039	0.0138513	0.30240448	2.1982508	20	6 1.9	19.1
127592 2003 BB_{7}	16.3	X	249.51691	228.27889	190.90471	1.84578	0.1151584	0.25788579	2.4444685	20	8 4.4	19.5
127593 2003 BC_{11}	16.4	X	211.56980	77.58237	90.50217	3.23917	0.1212048	0.26499945	2.4005241	20	11 13.8	19.6
127594 2003 BL_{12}	14.5	X	355.19593	66.90262	131.28692	23.86896	0.0845094	0.17713233	3.1400568	20	3 23.8	18.9
127595 2003 BN_{12}	16.0	X	315.37261	41.86360	105.42610	7.01199	0.1442773	0.27804181	2.3248556	20	—	—
127596 2003 BA_{15}	15.9	X	203.97065	96.97999	84.38701	3.54294	0.1749768	0.26462943	2.4027612	20	11 15.7	19.4
127597 2003 BK_{15}	16.1	X	333.40793	317.91871	116.83514	7.27088	0.0727083	0.27117056	2.3639649	20	—	—
127598 2003 BH_{16}	17.1	X	350.55276	110.06296	56.93220	3.46295	0.1174742	0.28627387	2.2800703	20	1 5.5	19.4
127599 2003 BE_{18}	16.2	X	299.30332	354.37904	65.14405	0.36596	0.1881043	0.26596068	2.3947366	20	10 18.8	17.8
127600 2003 BT_{18}	14.8	X	343.52856	352.02443	333.29766	14.52179	0.0925906	0.25154475	2.4853785	20	8 24.7	17.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127601 2003 BP_{19}	16.1	X	289.06336	60.54991	91.18126	7.54041	0.0752193	0.27507177	2.3415604	20	—	—
127602 2003 BY_{19}	15.5	X	270.61844	107.16382	79.18310	7.10288	0.0967364	0.27656416	2.3331292	20	—	—
127603 2003 BP_{21}	16.5	X	247.04909	80.28505	292.04757	3.47313	0.1604086	0.30734152	2.1746459	20	5 21.9	19.3
127604 2003 BD_{26}	16.3	X	338.69362	320.44592	175.62949	7.80516	0.0426006	0.28216567	2.3021481	20	—	—
127605 2003 BJ_{27}	16.4	X	303.81300	286.42243	272.80225	5.12482	0.1066624	0.28279653	2.2987231	20	—	—
127606 2003 BQ_{28}	16.5	X	223.50136	257.01504	241.47227	3.41674	0.1320788	0.26163722	2.4210460	20	10 16.3	19.9
127607 2003 BW_{30}	15.5	X	97.20618	318.55456	302.25646	8.20410	0.1273710	0.26167573	2.4208084	20	11 8.8	19.2
127608 2003 BH_{31}	15.4	X	154.51192	247.09525	133.90011	15.53504	0.1234716	0.23654026	2.5894011	20	3 7.4	19.4
127609 2003 BW_{31}	15.4	X	325.68985	265.68870	359.53099	12.93210	0.1364780	0.23867502	2.5739379	20	4 13.9	18.4
127610 2003 BK_{34}	17.0	X	284.60832	224.17439	304.62169	2.01192	0.1095908	0.27823319	2.3237894	20	—	—
127611 2003 BB_{38}	16.4	X	200.07592	135.41574	114.63445	7.26444	0.0782202	0.27746664	2.3280673	20	—	—
127612 2003 BG_{39}	16.3	X	17.20732	229.12910	153.12151	5.25570	0.1342806	0.27264864	2.3554135	20	—	—
127613 2003 BP_{44}	16.5	X	216.40461	90.94954	105.55937	2.97769	0.1531630	0.26910581	2.3760414	20	12 22.6	19.5
127614 2003 BX_{45}	16.6	X	3.89782	210.04678	352.50558	1.50681	0.0685039	0.29137784	2.2533658	20	3 24.9	18.7
127615 2003 BH_{49}	16.5	X	256.94530	124.55955	104.06067	2.59672	0.1929826	0.27792018	2.3255338	20	—	—
127616 2003 BL_{50}	15.5	X	247.02930	62.65087	142.38346	6.59812	0.0298938	0.22132108	2.7067877	20	—	—
127617 2003 BM_{53}	16.5	X	249.35643	341.28406	185.42502	2.22708	0.1253692	0.27073727	2.3664864	20	—	—
127618 2003 BN_{53}	16.6	X	59.82440	289.92398	163.56619	6.95324	0.0463573	0.28833409	2.2691962	20	1 16.4	19.1
127619 2003 BV_{53}	16.5	X	216.83856	80.55335	103.61286	4.89937	0.1090429	0.26695302	2.3887984	20	12 13.0	19.6
127620 2003 BY_{54}	16.8	X	60.63886	355.17522	143.86612	3.05017	0.0632404	0.29532641	2.2332355	20	3 26.8	19.0
127621 2003 BN_{55}	16.8	X	337.08516	0.65829	158.78593	4.11874	0.1230156	0.28315855	2.2967634	20	—	—
127622 2003 BM_{62}	16.2	X	27.78098	98.61186	77.60011	7.35439	0.1090780	0.29434130	2.2382156	20	4 1.8	18.3
127623 2003 BG_{67}	16.5	X	140.39479	18.84660	41.54385	4.72676	0.1445077	0.29661467	2.2267645	20	4 7.8	19.5
127624 2003 BP_{70}	17.2	X	36.80857	129.48586	1.38043	0.77183	0.1490965	0.28915735	2.2648871	20	2 5.2	18.8
127625 2003 BR_{72}	16.0	X	285.87901	69.66309	65.38884	5.01381	0.1536334	0.26953661	2.3735090	20	—	—
127626 2003 BZ_{72}	14.9	X	322.57307	309.11392	276.65438	8.52275	0.0486918	0.17797216	3.1301705	20	3 5.1	19.3
127627 2003 BP_{80}	16.0	X	124.97078	313.48859	141.27985	5.32944	0.1065646	0.24014137	2.5634493	20	5 5.5	19.7
127628 2003 BT_{81}	15.7	X	149.95380	246.26351	327.56572	5.75278	0.1165934	0.25951140	2.4342495	20	11 2.4	19.5
127629 2003 BJ_{89}	15.1	X	34.13396	97.52035	156.80594	10.79505	0.0765352	0.19033299	2.9931375	20	7 28.2	19.1
127630 2003 BX_{89}	16.7	X	46.81768	235.42431	253.20072	5.05466	0.1091622	0.28958257	2.2626694	20	2 17.1	18.9
127631 2003 BD_{90}	15.7	X	59.55792	244.17687	318.48980	3.99911	0.0408271	0.24367902	2.5385786	20	6 23.8	18.8
127632 2003 BK_{90}	16.6	X	326.30784	127.80644	336.94785	6.77668	0.0663368	0.27498377	2.3420599	20	—	—
127633 2003 CG_{2}	14.5	X	310.86475	101.28361	133.24955	10.25311	0.0430507	0.17401380	3.1774612	20	3 8.7	18.9
127634 2003 CY_{4}	16.3	X	64.91878	308.57766	92.48228	6.46764	0.1064634	0.28309779	2.2970920	20	—	—
127635 2003 CH_{6}	17.3	X	142.28300	133.09014	351.35742	3.33739	0.0764429	0.30518690	2.1848693	20	7 2.4	20.0
127636 2003 CQ_{7}	16.1	X	334.58631	91.70046	9.91945	7.67055	0.1529987	0.27392954	2.3480651	20	—	—
127637 2003 CU_{7}	15.7	X	349.62838	22.51904	125.22952	5.03601	0.2372644	0.22461661	2.6802469	20	—	—
127638 2003 CE_{8}	16.2	X	306.33871	142.45660	106.05936	5.41757	0.1284228	0.28824352	2.2696716	20	2 22.6	18.8
127639 2003 CO_{8}	15.5	X	329.04451	207.33577	357.16525	24.22316	0.1724853	0.28341593	2.2953727	20	1 27.6	18.7
127640 2003 CQ_{8}	14.9	X	346.79446	41.46722	120.65671	17.62987	0.0944139	0.17197624	3.2025094	20	1 20.1	19.1
127641 2003 CL_{9}	16.0	X	97.90199	126.09614	270.51431	7.74881	0.2167316	0.28737803	2.2742263	20	1 20.7	18.4
127642 2003 CO_{9}	16.1	X	221.32001	306.05472	277.47117	5.62470	0.0808911	0.27413117	2.3469136	20	—	—
127643 2003 CY_{9}	17.0	X	29.67830	250.76409	193.76839	3.51391	0.1111555	0.28226173	2.3016258	20	—	—
127644 2003 CF_{10}	15.5	X	327.94944	287.71921	312.29463	13.96285	0.0739696	0.23602226	2.5931884	20	3 18.6	19.0
127645 2003 CV_{10}	16.2	X	312.49797	193.40461	268.20368	5.84142	0.0592445	0.27143020	2.3624571	20	—	—
127646 2003 CX_{13}	16.0	X	349.55016	25.99296	124.09822	10.65698	0.1345466	0.28001575	2.3139168	20	—	—
127647 2003 CS_{15}	15.7	X	324.47384	140.70431	51.98451	7.46000	0.1816002	0.28393773	2.2925597	20	—	—
127648 2003 CA_{18}	16.9	X	174.83500	312.01378	139.35693	3.10532	0.1339502	0.30383477	2.1913466	20	6 24.4	20.0
127649 2003 CS_{19}	15.0	X	251.63530	270.91504	14.87299	16.19383	0.0806292	0.23101797	2.6305034	20	2 23.6	19.0
127650 2003 DC_{2}	15.5	X	61.75583	359.41501	144.86520	9.82478	0.0163962	0.18047893	3.1011187	20	4 11.0	19.9
127651 2003 DP_{2}	16.5	X	42.59705	274.07823	301.50912	6.41923	0.1049616	0.30037563	2.2081382	20	6 28.8	18.7
127652 2003 DT_{3}	16.5	X	343.05247	318.71867	152.51815	7.10135	0.0607738	0.27614975	2.3354627	20	—	—
127653 2003 DX_{4}	16.5	X	145.82773	171.44043	66.42072	3.58656	0.1414249	0.26106019	2.4246122	20	11 30.3	20.2
127654 2003 DY_{7}	17.2	X	225.49752	242.33391	250.67684	0.40847	0.1193450	0.26073346	2.4266373	20	10 13.9	20.4
127655 2003 DJ_{8}	14.2	X	247.02570	163.66366	158.25614	23.23976	0.1410285	0.17884428	3.1199863	20	3 28.7	19.2
127656 2003 DV_{8}	16.3	X	104.04241	140.30032	83.70530	2.68158	0.1402128	0.25316857	2.4747397	20	10 3.9	20.0
127657 2003 DV_{9}	16.5	X	137.57803	153.86451	56.02418	7.46817	0.1092956	0.25912156	2.4366904	20	10 20.3	20.1
127658 2003 DV_{10}	16.7	X	130.22997	202.20389	33.06860	2.58715	0.1626535	0.25730837	2.4481242	20	11 11.9	20.6
127659 2003 DC_{11}	16.7	X	42.72914	223.25534	168.09328	1.89917	0.2163810	0.27678032	2.3319143	20	—	—
127660 2003 DT_{12}	16.8	X	153.00467	286.68190	347.15375	0.68662	0.1708314	0.26729506	2.3867600	20	—	—
127661 2003 DM_{13}	16.3	X	251.02362	307.92469	288.11698	4.44488	0.0958604	0.27908649	2.3190503	20	—	—
127662 2003 DT_{13}	15.2	X	181.77196	343.09190	271.37674	12.45827	0.1496111	0.27052465	2.3677262	20	—	—
127663 2003 DK_{14}	16.3	X	242.93194	38.01089	73.70503	6.26825	0.1570097	0.26101384	2.4248992	20	10 5.6	19.5
127664 2003 DV_{14}	14.7	X	258.04288	145.21560	119.55375	0.97225	0.1232423	0.16963578	3.2318988	20	2 1.3	19.4
127665 2003 DE_{16}	15.9	X	78.42415	270.09551	333.98444	6.10144	0.0900813	0.25541105	2.4602331	20	9 22.8	19.2
127666 2003 DM_{19}	16.9	X	52.77050	293.69338	133.93917	5.95994	0.1367075	0.28366827	2.2940113	20	—	—
127667 2003 DH_{20}	14.3	X	279.76366	355.91147	331.78203	15.68980	0.2343573	0.24181817	2.5515853	20	4 13.7	18.3
127668 2003 DP_{20}	17.2	X	36.46643	241.61171	327.59165	2.62782	0.1019526	0.29788300	2.2204393	20	6 5.5	19.2
127669 2003 EM_{2}	16.4	X	185.26356	5.48435	167.25651	2.39920	0.1548172	0.25996776	2.4313999	20	10 17.9	20.2
127670 2003 ER_{2}	16.2	X	4.02956	287.78060	302.48667	1.82798	0.1498097	0.23812385	2.5779082	20	5 8.3	18.7
127671 2003 ET_{3}	15.2	X	293.14657	320.91125	329.27995	1.33130	0.0844540	0.18125502	3.0922601	20	4 14.7	19.4
127672 2003 EF_{4}	16.3	X	270.58516	339.53257	310.57944	6.48654	0.1634502	0.29134766	2.2535214	20	2 26.0	19.5
127673 2003 EK_{4}	16.4	X	221.49167	4.98845	201.66178	5.82094	0.1179715	0.26878911	2.3779074	20	—	—
127674 2003 EX_{4}	16.4	X	202.15503	137.13599	38.66184	3.31253	0.1443645	0.26069741	2.4268610	20	11 8.5	19.7
127675 2003 EO_{5}	16.5	X	323.90592	183.76125	342.36166	4.41940	0.1614791	0.28068807	2.3102204	20	—	—
127676 2003 EE_{6}	16.6	X	306.62971	141.54750	98.98745	4.73349	0.1723130	0.28750506	2.2735564	20	2 4.5	19.3
127677 2003 EW_{7}	16.6	X	83.69022	210.43727	222.24459	5.29398	0.1321504	0.28781412	2.2719284	20	2 3.5	18.9
127678 2003 ES_{8}	16.9	X	130.78914	275.89385	297.02705	4.87960	0.0665943	0.31468320	2.1406895	20	10 20.4	19.7
127679 2003 EW_{8}	16.4	X	267.45745	235.90706	278.00479	3.74644	0.0980400	0.27078190	2.3662264	20	—	—
127680 2003 EX_{10}	16.2	X	288.42115	324.51849	291.71291	3.35412	0.1568518	0.28531855	2.2851570	20	2 4.2	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127681 2003 EY_{10}	16.1	X	304.16478	268.96314	327.28565	5.73721	0.1235075	0.28544319	2.2844917	20	2 2.8	18.7
127682 2003 EA_{11}	15.4	X	184.88001	290.72158	329.49187	8.59534	0.1024308	0.21274061	2.7790890	20	—	—
127683 2003 EW_{12}	16.0	X	304.03863	329.29424	181.22815	24.03493	0.1403298	0.27235267	2.3571196	20	—	—
127684 2003 EV_{13}	16.8	X	294.73773	300.53514	220.24265	2.77808	0.0239971	0.27569596	2.3380248	20	—	—
127685 2003 ED_{14}	16.5	X	154.69208	177.72233	101.49939	7.09153	0.1082585	0.27187697	2.3598683	20	—	—
127686 2003 EM_{14}	15.1	X	240.50297	296.99328	1.89085	14.69338	0.1401061	0.23023704	2.6364482	20	2 21.4	19.3
127687 2003 EC_{15}	16.1	X	22.46909	318.95243	288.26893	3.89088	0.2271246	0.24170165	2.5524053	20	7 24.7	18.3
127688 2003 EC_{16}	15.7	X	105.19349	59.58061	329.84782	23.02266	0.2835966	0.28520315	2.2857734	20	2 7.6	18.5
127689 Doncapone	15.9	X	302.89287	86.26286	150.78471	7.06511	0.1542845	0.28434019	2.2903958	20	1 27.5	18.9
127690 2003 EJ_{17}	16.4	X	208.40396	207.78292	345.63979	2.21042	0.1429039	0.26447260	2.4037110	20	12 8.9	19.6
127691 2003 EP_{17}	16.2	X	11.76720	105.10229	59.01036	4.89044	0.1526732	0.28663897	2.2781338	20	2 6.6	18.1
127692 2003 EW_{18}	16.4	X	143.40391	44.23366	160.26688	1.60396	0.1747834	0.25619186	2.4552318	20	10 17.5	20.4
127693 2003 EG_{20}	16.5	X	134.95358	347.87620	250.91371	0.55458	0.1483063	0.25908898	2.4368947	20	11 20.9	20.2
127694 2003 EN_{20}	16.3	X	296.86139	285.89056	354.92892	2.39910	0.1517014	0.29079256	2.2563884	20	3 19.6	19.0
127695 2003 EO_{21}	16.6	X	355.43387	131.82291	335.67665	2.87788	0.1633372	0.27772006	2.3266508	20	—	—
127696 2003 EQ_{22}	16.0	X	312.14595	38.31798	147.14718	6.71157	0.0637070	0.28050441	2.3112287	20	—	—
127697 2003 EU_{22}	16.2	X	293.96379	77.49892	67.00094	3.95731	0.1858552	0.27284943	2.3542578	20	—	—
127698 2003 EC_{23}	15.9	X	209.45812	153.29251	62.86383	3.30085	0.1610542	0.26710206	2.3879097	20	—	—
127699 2003 EC_{24}	16.1	X	112.56490	186.01169	81.91545	3.42455	0.1441917	0.25984991	2.4321350	20	12 6.1	19.9
127700 2003 EE_{24}	16.4	X	220.93904	131.17349	15.69121	4.68353	0.0247277	0.26045647	2.4283574	20	11 8.5	19.4
127701 2003 EJ_{24}	16.5	X	61.94947	354.59482	108.97955	2.96008	0.1777494	0.28796695	2.2711246	20	2 20.1	18.3
127702 2003 ES_{24}	14.7	X	337.25074	78.54353	150.29934	9.45560	0.1622135	0.17552593	3.1591860	20	3 23.8	18.5
127703 2003 EE_{25}	17.2	X	78.92446	86.21071	57.45333	4.47687	0.0942882	0.29513387	2.2342067	20	5 6.7	19.6
127704 2003 EZ_{25}	15.7	X	298.26849	123.66185	134.47069	4.56050	0.0455922	0.23201646	2.6229510	20	3 14.9	19.0
127705 2003 ES_{27}	16.3	X	275.71226	3.23680	130.50464	4.12814	0.1202282	0.26733032	2.3865502	20	12 30.8	18.6
127706 2003 EE_{28}	16.4	X	303.42475	90.28639	132.44373	5.38813	0.0738966	0.28324298	2.2963070	20	1 21.5	19.3
127707 2003 EN_{28}	16.5	X	5.51054	56.26348	81.39643	4.47142	0.1149380	0.28134291	2.3066343	20	—	—
127708 2003 ES_{29}	16.5	X	345.97099	116.42569	21.66225	6.05777	0.2084765	0.27890806	2.3200393	20	—	—
127709 2003 ET_{29}	16.1	X	188.48268	59.90716	90.21514	3.23629	0.1603461	0.25478254	2.4642774	20	9 22.3	19.9
127710 2003 EZ_{31}	15.7	X	42.30284	335.96451	265.60391	5.71108	0.2348266	0.24358969	2.5391992	20	8 21.4	18.7
127711 2003 EU_{32}	16.6	X	155.36398	100.50269	160.95440	2.38650	0.1444860	0.26535736	2.3983651	20	—	—
127712 2003 EN_{33}	15.6	X	251.63294	102.94245	174.36668	6.29748	0.1905543	0.28179419	2.3041709	20	1 21.8	19.4
127713 2003 EU_{33}	17.3	X	54.50463	271.04894	338.76345	4.30424	0.1800989	0.30406612	2.1902349	20	9 21.1	19.8
127714 2003 EF_{35}	16.2	X	326.34276	313.98139	304.48991	4.80550	0.1350982	0.29144535	2.2530178	20	4 1.8	18.4
127715 2003 EN_{35}	16.4	X	351.37851	234.91766	320.07795	3.52780	0.0658987	0.28684326	2.2770520	20	2 22.3	18.6
127716 2003 ES_{37}	15.9	X	264.91583	77.87503	177.21888	1.75170	0.0803127	0.22649157	2.6654345	20	1 24.4	19.6
127717 2003 EA_{38}	15.3	X	192.96985	319.16359	290.71271	8.32003	0.1756521	0.21234072	2.7825770	20	—	—
127718 2003 EP_{38}	15.3	X	19.68931	322.53602	206.41540	13.80969	0.0083177	0.23277080	2.6172812	20	3 6.3	18.9
127719 2003 EK_{40}	15.2	X	2.54097	19.62764	139.65400	24.55980	0.1856043	0.28321064	2.2964818	20	1 6.7	17.7
127720 2003 ES_{41}	15.8	X	351.66244	212.96692	27.52551	3.33509	0.1763720	0.23489341	2.6014900	20	4 26.8	18.2
127721 2003 EV_{41}	17.3	X	104.88073	83.34807	123.12170	4.80397	0.1270573	0.30745322	2.1741192	20	9 17.9	20.3
127722 2003 EV_{43}	14.8	X	338.93403	136.51311	81.14651	2.65224	0.1007018	0.17346587	3.1841488	20	3 18.2	18.8
127723 2003 EL_{45}	16.8	X	140.40244	153.35312	294.31652	4.87459	0.1221067	0.29661415	2.2267672	20	5 10.3	20.0
127724 2003 ER_{45}	16.1	X	296.46889	75.24837	212.99003	4.69085	0.1759993	0.29012382	2.2598544	20	3 24.6	18.7
127725 2003 EE_{48}	15.8	X	244.46316	230.92139	285.24199	11.14124	0.1124747	0.26563696	2.3966818	20	12 12.2	18.7
127726 2003 EB_{49}	16.7	X	343.50378	75.95073	137.22585	7.13951	0.0529882	0.28811252	2.2703595	20	3 11.1	19.2
127727 2003 EE_{49}	16.2	X	5.34158	336.02756	274.97875	3.94992	0.1830228	0.23860834	2.5744174	20	6 15.0	18.3
127728 2003 EU_{49}	15.8	X	47.00062	191.94367	22.88071	7.04872	0.0935580	0.24284262	2.5444043	20	6 30.5	18.9
127729 2003 EO_{50}	15.5	X	74.34243	0.73280	4.09515	4.58094	0.0374809	0.21500875	2.7595099	20	—	—
127730 2003 EF_{52}	15.8	X	271.89842	193.91633	135.02663	10.00717	0.0619445	0.23897659	2.5717721	20	5 12.7	19.4
127731 2003 ER_{52}	16.4	X	121.68483	5.80077	93.53296	7.99497	0.0852747	0.29625286	2.2285772	20	5 4.1	19.2
127732 2003 EW_{57}	15.2	X	299.94232	89.39099	128.85752	12.74583	0.1113296	0.22086104	2.7105451	20	1 16.3	18.9
127733 2003 EB_{58}	15.6	X	215.68324	117.10311	73.63327	24.70242	0.1862945	0.26181456	2.4199526	20	12 7.5	18.7
127734 2003 EP_{59}	16.3	X	0.38985	153.06493	321.67860	7.93440	0.1971154	0.27892944	2.3199207	20	—	—
127735 2003 FU	15.5	X	290.93524	70.49293	111.65343	23.91075	0.2234946	0.27634125	2.3343837	20	—	—
127736 2003 FN_{2}	15.5	X	254.59669	257.89577	29.15144	15.28852	0.0696106	0.22750739	2.6574945	20	3 1.5	19.5
127737 2003 FZ_{5}	16.2	X	322.77061	296.14985	328.16908	2.73130	0.0916121	0.23366350	2.6106108	20	4 17.5	19.4
127738 2003 FH_{8}	15.0	X	56.65609	299.79862	167.23823	4.79180	0.0360243	0.17090913	3.2158260	20	2 17.7	19.4
127739 2003 FW_{8}	17.2	X	218.32419	156.60101	165.78177	2.40066	0.0949185	0.28589295	2.2820952	20	2 19.3	20.5
127740 2003 FS_{9}	15.0	X	242.02834	254.28459	85.97460	13.67150	0.2136151	0.23710836	2.5852635	20	4 9.9	19.4
127741 2003 FG_{11}	15.9	X	299.72931	322.99483	156.15694	4.15975	0.0500403	0.20957438	2.8070097	20	—	—
127742 2003 FC_{12}	14.9	X	335.06271	263.90425	8.20230	13.91564	0.2315927	0.17781490	3.1320158	20	5 1.1	18.4
127743 2003 FH_{12}	15.4	X	227.93643	203.90322	28.88540	16.77287	0.1547210	0.21743907	2.7389094	20	—	—
127744 2003 FN_{12}	16.2	X	223.97068	201.39731	328.95776	4.99884	0.0820089	0.26168552	2.4207481	20	12 5.8	19.4
127745 2003 FV_{13}	16.0	X	236.92948	138.81973	158.80916	4.29186	0.1370420	0.28199619	2.3030705	20	2 5.6	19.4
127746 2003 FG_{14}	15.6	X	181.95100	55.42521	204.56964	3.69812	0.0580066	0.21291893	2.7775371	20	—	—
127747 2003 FR_{14}	16.5	X	253.21115	53.50181	236.93250	1.46379	0.1612702	0.28453461	2.2893524	20	2 10.7	20.1
127748 2003 FN_{16}	16.7	X	81.72463	122.87612	45.00393	5.48890	0.1065872	0.29565824	2.2315642	20	6 17.9	19.3
127749 2003 FS_{16}	15.2	X	147.98567	143.63472	175.53635	8.34551	0.1806315	0.27143358	2.3624376	20	—	—
127750 2003 FV_{16}	16.4	X	347.09120	12.53114	101.53372	8.34093	0.2071104	0.27760955	2.3272683	20	—	—
127751 2003 FV_{20}	16.3	X	68.86133	242.73224	297.28574	5.08777	0.1037920	0.29523279	2.2337076	20	6 16.5	18.7
127752 2003 FZ_{20}	15.3	X	243.65960	332.70268	244.75693	8.57539	0.1099375	0.21274649	2.7790377	20	—	—
127753 2003 FB_{21}	16.4	X	345.72050	309.27928	322.60900	4.98814	0.1058894	0.29378856	2.2410220	20	6 6.8	18.4
127754 2003 FB_{24}	17.0	X	172.83226	9.56258	201.35031	0.78981	0.1367837	0.26084276	2.4259594	20	11 23.3	20.6
127755 2003 FD_{28}	17.2	X	292.88320	16.66828	286.04650	2.27015	0.1754719	0.29195142	2.2504135	20	4 9.1	20.0
127756 2003 FJ_{28}	16.3	X	184.30913	162.10818	121.53317	7.48622	0.1045460	0.27099661	2.3649764	20	—	—
127757 2003 FM_{28}	14.6	X	353.21733	212.02359	80.57665	12.21152	0.1352551	0.18415703	3.0596883	20	7 18.7	18.2
127758 2003 FO_{30}	17.0	X	318.88218	69.56824	50.75727	5.74564	0.1798573	0.27236237	2.3570636	20	—	—
127759 2003 FV_{31}	16.4	X	72.61511	282.16102	44.33700	1.68682	0.2000035	0.26067995	2.4269694	20	—	—
127760 2003 FM_{32}	15.8	X	196.64703	322.58598	33.09511	2.96754	0.0901480	0.23029290	2.6360219	20	3 16.3	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127761 2003 FL_{34}	17.3	X	341.25437	294.41639	163.63169	1.06417	0.1406172	0.27242372	2.3567098	20	—	—
127762 2003 FC_{38}	16.8	X	329.74289	347.82080	313.75504	0.60240	0.0645153	0.24153456	2.5535823	20	6 25.7	19.7
127763 2003 FO_{38}	16.0	X	10.36065	71.24366	284.33565	1.84526	0.1894282	0.25721644	2.4487074	20	12 7.6	18.5
127764 2003 FW_{39}	15.6	X	241.87732	355.84125	59.39958	3.01889	0.0282105	0.18956161	3.0012519	20	7 28.8	19.9
127765 2003 FL_{40}	16.3	X	129.51029	77.25627	242.21009	1.89293	0.1787516	0.26817142	2.3815574	20	—	—
127766 2003 FA_{42}	17.0	X	107.51449	232.62475	354.39757	2.66614	0.1303143	0.30908144	2.1664771	20	10 16.4	20.1
127767 2003 FS_{42}	16.8	X	240.03722	267.15573	6.41796	2.05261	0.2181946	0.27879822	2.3206486	20	1 8.1	20.7
127768 2003 FS_{44}	16.3	X	259.67055	119.24092	158.08751	4.11043	0.1792373	0.28218797	2.3020269	20	1 30.4	19.9
127769 2003 FB_{47}	15.8	X	122.45844	349.55156	24.96128	4.75087	0.0931616	0.22114886	2.7081928	20	1 20.3	19.6
127770 2003 FR_{47}	16.3	X	117.74621	235.88808	349.54119	2.16148	0.1354103	0.25268165	2.4779179	20	10 17.2	20.2
127771 2003 FP_{50}	15.1	X	219.06673	95.51138	136.91399	7.14845	0.2206891	0.21290423	2.7776649	20	—	—
127772 2003 FO_{52}	16.2	X	58.10268	128.22981	51.55262	8.72289	0.1452168	0.23842723	2.5757210	20	6 4.2	19.2
127773 2003 FV_{52}	14.3	X	303.26940	223.61844	85.40647	10.81294	0.2376644	0.17993597	3.1073540	20	5 3.7	18.4
127774 2003 FA_{53}	16.0	X	301.28549	176.46201	336.75865	11.29469	0.0977217	0.27144689	2.3623603	20	—	—
127775 2003 FH_{53}	15.6	X	200.19773	3.86430	85.90796	11.10701	0.0711264	0.24727290	2.5139214	20	7 22.1	19.2
127776 2003 FP_{53}	15.7	X	353.81933	153.25514	55.61565	14.49579	0.0775688	0.23157550	2.6262797	20	3 31.6	19.0
127777 2003 FT_{53}	15.6	X	3.95630	180.05085	50.72463	15.62833	0.0427576	0.23657910	2.5891177	20	5 10.4	18.8
127778 2003 FY_{53}	15.2	X	204.47579	198.17409	92.25983	11.09879	0.2094274	0.21671141	2.7450369	20	1 6.9	19.9
127779 2003 FN_{54}	16.1	X	91.72863	59.72897	119.84192	2.48357	0.0687784	0.24141262	2.5544421	20	7 10.8	19.3
127780 2003 FU_{54}	15.4	X	344.97237	166.96789	68.98382	12.44304	0.1857726	0.23115181	2.6294879	20	4 12.1	18.2
127781 2003 FO_{55}	15.7	X	171.08633	14.53046	321.70222	5.40088	0.0561405	0.22541339	2.6739272	20	1 23.4	19.4
127782 2003 FR_{57}	16.7	X	344.35509	117.88830	28.92387	3.15116	0.0990379	0.27975668	2.3153451	20	—	—
127783 2003 FL_{60}	15.6	X	128.31421	250.63971	93.74619	6.24570	0.0671122	0.21785057	2.7354592	20	—	—
127784 2003 FD_{63}	16.5	X	303.77974	52.55909	77.03298	3.47783	0.1362589	0.27092456	2.3653957	20	—	—
127785 2003 FE_{63}	15.9	X	161.36064	69.35331	142.26589	6.11344	0.0839432	0.25872893	2.4391549	20	11 16.9	19.5
127786 2003 FM_{63}	16.7	X	310.76104	335.31388	129.44853	3.17249	0.1554630	0.26868458	2.3785241	20	—	—
127787 2003 FF_{66}	16.6	X	292.28501	143.37459	127.38366	3.24298	0.1523069	0.28651934	2.2787679	20	3 1.1	19.6
127788 2003 FL_{66}	16.2	X	216.05417	231.42785	70.34765	3.54302	0.1704668	0.27881961	2.3205299	20	1 23.3	19.8
127789 2003 FR_{66}	16.5	X	262.44598	175.93615	127.07839	6.81332	0.1371014	0.28725586	2.2748711	20	3 12.4	19.6
127790 2003 FC_{72}	16.0	X	300.81408	253.01190	57.67643	5.71019	0.2052405	0.29273345	2.2464038	20	4 29.8	18.5
127791 2003 FP_{72}	15.4	X	48.66482	278.58649	48.08873	13.53926	0.0418659	0.20049487	2.8911272	20	11 15.6	19.4
127792 2003 FS_{72}	16.8	X	129.34128	6.02426	142.57127	8.10698	0.0875787	0.30117252	2.2042414	20	7 20.6	19.6
127793 2003 FZ_{72}	16.7	X	203.39529	106.56689	151.12087	2.28737	0.1591355	0.26968259	2.3726523	20	—	—
127794 2003 FA_{73}	16.5	X	120.62390	299.59674	158.85176	4.58720	0.0565101	0.29218070	2.2492360	20	4 26.1	19.2
127795 2003 FU_{73}	15.5	X	162.23306	242.14580	96.14830	8.17135	0.1359923	0.27601210	2.3362392	20	1 15.8	18.7
127796 2003 FO_{74}	16.1	X	249.94273	209.28103	56.23173	10.97837	0.1052098	0.27890935	2.3200321	20	1 13.1	19.6
127797 2003 FB_{75}	15.3	X	210.28794	208.33487	58.40357	10.48284	0.1236994	0.21345413	2.7728923	20	—	—
127798 2003 FQ_{75}	16.7	X	303.06252	27.32482	250.77187	6.51749	0.0995097	0.29277658	2.2461831	20	3 29.9	19.5
127799 2003 FB_{76}	16.6	X	101.38911	194.12570	299.95007	6.03505	0.0440011	0.29657375	2.2269694	20	5 15.1	19.3
127800 2003 FL_{76}	16.6	X	223.22342	147.93817	136.61970	4.06614	0.1595229	0.27830574	2.3233855	20	1 7.8	20.2
127801 2003 FL_{77}	16.0	X	215.99158	301.35517	351.45391	6.14843	0.1920074	0.27727715	2.3291278	20	1 13.1	19.8
127802 2003 FM_{77}	16.8	X	289.54751	292.00073	339.62813	5.52471	0.0391557	0.28836697	2.2690237	20	3 13.9	19.4
127803 Johnvaneepoel	15.8	X	22.05368	45.80796	172.04701	14.80408	0.0475807	0.23847997	2.5753412	20	5 23.1	19.2
127804 2003 FH_{80}	16.2	X	278.25334	167.10096	75.69590	4.62915	0.1992752	0.28040071	2.3117985	20	1 4.4	19.6
127805 2003 FE_{81}	15.2	X	184.74045	228.69795	43.44016	12.39880	0.1827235	0.21180642	2.7872546	20	—	—
127806 2003 FO_{81}	14.6	X	61.89062	263.44693	48.12616	16.05823	0.2317854	0.19711841	2.9240486	20	12 5.1	19.2
127807 2003 FK_{82}	15.9	X	329.57702	203.71382	66.70374	7.76367	0.1415035	0.23391033	2.6087740	20	5 3.9	18.7
127808 2003 FU_{82}	16.2	X	323.00679	200.81555	92.14966	5.89914	0.1718440	0.29289416	2.2455819	20	5 19.1	18.1
127809 2003 FQ_{83}	16.1	X	301.74374	163.82370	73.23539	4.74713	0.2181374	0.28126164	2.3070786	20	1 19.5	19.3
127810 Michaelwright	16.4	X	211.89696	256.41422	316.25592	4.07356	0.1220949	0.26621154	2.3932320	20	—	—
127811 2003 FS_{85}	16.0	X	28.91371	277.81483	338.94513	3.12614	0.2349363	0.23950026	2.5680219	20	8 23.4	18.5
127812 2003 FT_{85}	16.1	X	150.59084	213.82776	338.81375	4.61068	0.0752281	0.25255881	2.4787213	20	10 7.3	19.8
127813 2003 FG_{86}	16.6	X	282.68028	312.61187	305.88944	2.95743	0.1346681	0.28397029	2.2923844	20	2 3.9	19.6
127814 2003 FT_{86}	14.9	X	179.13300	42.52162	242.83697	6.65800	0.1895006	0.21280468	2.7785311	20	—	—
127815 2003 FG_{87}	15.9	X	321.42385	283.09064	327.19709	9.80061	0.0919542	0.28931930	2.2640418	20	3 18.5	18.5
127816 2003 FH_{88}	16.1	X	309.60148	5.70366	103.83652	5.25982	0.1116778	0.26746584	2.3857439	20	—	—
127817 2003 FK_{88}	14.7	X	329.18902	255.56575	58.97298	9.27735	0.1804957	0.18292695	3.0733894	20	6 29.7	18.3
127818 2003 FL_{88}	16.2	X	56.87231	82.65493	146.75173	5.15299	0.1337700	0.30026283	2.2086912	20	8 18.1	18.7
127819 2003 FZ_{88}	16.7	X	63.61873	183.08103	348.10882	5.78558	0.0339719	0.29381164	2.2409047	20	5 11.4	19.2
127820 2003 FV_{90}	16.5	X	342.68423	223.03604	321.79277	6.52843	0.0745617	0.28279108	2.2987527	20	1 26.1	18.9
127821 2003 FE_{91}	16.5	X	11.82279	276.56527	294.70373	4.29277	0.0818224	0.29096081	2.2555184	20	4 19.1	18.8
127822 2003 FV_{91}	15.1	X	158.73082	170.00283	176.97818	23.11387	0.2524305	0.27633664	2.3344096	20	1 30.2	19.3
127823 2003 FD_{92}	15.8	X	97.45403	193.83945	30.53499	15.30028	0.1179604	0.19209175	2.9748397	20	9 22.4	20.4
127824 2003 FK_{92}	16.5	X	331.70093	50.07682	83.44470	3.13857	0.1400045	0.27487834	2.3426588	20	—	—
127825 2003 FR_{92}	14.6	X	348.48930	244.38351	30.30588	16.72858	0.2119471	0.17962794	3.1109053	20	6 6.5	18.1
127826 2003 FY_{92}	16.4	X	252.27217	79.31033	130.65583	5.71168	0.0802903	0.27155896	2.3617103	20	—	—
127827 2003 FB_{93}	16.3	X	37.68668	50.54788	102.50826	5.01658	0.0988352	0.28722968	2.2750093	20	3 14.1	18.4
127828 2003 FH_{93}	16.1	X	145.17455	131.78620	57.78278	6.53341	0.1121771	0.25189248	2.4830907	20	10 2.1	19.8
127829 2003 FH_{94}	15.3	X	87.18793	108.15488	39.33701	22.29765	0.0662800	0.23565150	2.5959077	20	5 16.4	18.8
127830 2003 FP_{94}	16.0	X	185.06166	122.76953	109.20441	5.54086	0.1520712	0.26241988	2.4162298	20	12 30.8	19.4
127831 2003 FQ_{94}	16.1	X	237.65535	199.71760	85.54843	7.53109	0.1098279	0.27847854	2.3224243	20	1 25.0	19.4
127832 2003 FS_{101}	16.9	X	42.44663	199.92976	10.60189	5.45545	0.0901459	0.29704057	2.2246355	20	6 17.0	19.2
127833 2003 FU_{103}	16.5	X	354.60625	225.91248	359.15417	7.79955	0.0665575	0.29106208	2.2549952	20	4 10.4	18.9
127834 2003 FR_{104}	16.8	X	61.53118	70.19122	164.03061	2.61565	0.1149301	0.30097377	2.2052117	20	8 28.9	19.4
127835 2003 FX_{104}	16.4	X	247.71980	45.17963	93.58892	3.31520	0.1348412	0.26321141	2.4113833	20	11 19.5	19.1
127836 2003 FW_{106}	15.8	X	294.03153	58.59716	182.38443	6.41242	0.0802521	0.28135164	2.3065865	20	1 31.8	18.9
127837 2003 FP_{107}	16.3	X	333.06670	23.03612	166.64427	7.08621	0.0763131	0.28113227	2.3077863	20	1 16.6	19.0
127838 2003 FU_{107}	15.1	X	13.43613	318.11831	211.22483	10.47773	0.1973763	0.22526624	2.6750915	20	2 22.7	17.7
127839 2003 FV_{107}	16.9	X	97.01261	261.88521	298.20781	4.37730	0.0995561	0.30359916	2.1924802	20	8 23.8	19.7
127840 2003 FL_{108}	15.4	X	357.49313	160.48877	51.91845	4.69496	0.0340210	0.23107818	2.6300465	20	4 7.3	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127841 2003 FN_{108}	15.1	X	318.81403	236.37896	52.03774	17.57927	0.2367420	0.17732672	3.1377614	20	4 29.9	18.9
127842 2003 FC_{109}	16.6	X	124.95084	0.84307	109.34993	7.30307	0.1438938	0.29553328	2.2321932	20	5 29.0	19.7
127843 2003 FG_{109}	16.1	X	119.89565	264.79588	46.09203	11.66142	0.1733593	0.26357365	2.4091733	20	—	—
127844 2003 FL_{109}	15.6	X	254.47836	186.53939	92.27391	14.34712	0.1561611	0.22143724	2.7058410	20	2 8.3	20.0
127845 2003 FY_{109}	15.1	X	76.54251	116.30701	216.39993	4.04964	0.2056557	0.26266082	2.4147519	20	—	—
127846 2003 FO_{111}	12.5	X	324.36555	100.24494	276.50638	6.19771	0.0488811	0.08180644	5.2554637	20	9 6.3	19.3
127847 2003 FT_{111}	17.0	X	104.35455	260.77150	232.67099	3.64908	0.0826812	0.29585360	2.2305817	20	5 26.7	19.6
127848 2003 FW_{111}	16.0	X	341.45933	173.99603	119.34921	7.22052	0.1976662	0.29664591	2.2266082	20	6 30.6	17.1
127849 2003 FY_{111}	16.1	X	44.65652	154.54787	116.32573	7.54718	0.1768408	0.30326497	2.1940906	20	10 12.6	18.8
127850 2003 FC_{112}	17.0	X	36.89636	316.87620	303.39043	1.97896	0.1626414	0.30181485	2.2011128	20	9 7.3	19.3
127851 2003 FW_{112}	16.4	X	151.66317	203.30653	60.73694	2.95145	0.1855565	0.26435066	2.4044502	20	—	—
127852 2003 FA_{113}	16.8	X	180.88857	75.42474	170.88144	2.84596	0.1457094	0.26300375	2.4126524	20	—	—
127853 2003 FB_{113}	15.8	X	37.99805	126.57911	183.17794	4.83536	0.1635735	0.30615135	2.1802783	20	11 22.8	18.4
127854 2003 FH_{113}	16.6	X	240.06417	178.07941	10.25177	2.36721	0.1454167	0.26797551	2.3827180	20	—	—
127855 2003 FQ_{114}	16.2	X	100.55075	101.52666	83.01180	8.38552	0.1168556	0.24210229	2.5495886	20	8 6.5	19.9
127856 2003 FR_{114}	16.0	X	249.95434	130.04679	132.82381	6.41082	0.1402360	0.27583176	2.3372573	20	1 6.8	19.5
127857 2003 FZ_{114}	16.2	X	276.03890	164.67216	126.35410	7.30005	0.1937174	0.28654052	2.2786556	20	3 5.0	19.4
127858 2003 FJ_{115}	14.7	X	336.58416	198.62309	69.98781	6.01845	0.1424700	0.17575989	3.1563818	20	5 14.9	18.4
127859 2003 FP_{115}	16.4	X	162.53014	336.17924	328.04166	5.50004	0.1001006	0.27322995	2.3520715	20	—	—
127860 2003 FS_{115}	15.7	X	31.00597	186.08574	7.13730	5.05219	0.1695473	0.23367090	2.6105557	20	5 8.7	18.3
127861 2003 FE_{116}	16.3	X	225.95851	245.40625	7.53174	6.18418	0.0934274	0.27336620	2.3512898	20	—	—
127862 2003 FT_{116}	17.0	X	3.57441	65.79700	147.05279	3.32560	0.1273025	0.28898537	2.2657856	20	4 8.4	18.9
127863 2003 FE_{118}	16.2	X	264.50399	144.55214	99.20168	6.58581	0.0751041	0.28053364	2.3110682	20	1 2.0	19.0
127864 2003 FM_{118}	15.9	X	316.46796	137.93983	68.15932	5.12790	0.2131489	0.22522323	2.6754320	20	1 6.7	19.5
127865 2003 FK_{119}	16.7	X	206.62804	80.07478	110.54419	2.23977	0.1318556	0.26182218	2.4199056	20	12 4.6	20.1
127866 2003 FR_{119}	16.1	X	349.00043	239.26752	24.89458	0.89112	0.0440956	0.23773155	2.5807435	20	6 3.3	19.1
127867 2003 FS_{119}	16.7	X	148.61038	111.51931	155.52832	1.36343	0.1705593	0.26174193	2.4204002	20	—	—
127868 2003 FT_{119}	16.8	X	192.54835	251.50446	16.98755	2.42759	0.1734035	0.26878959	2.3779045	20	—	—
127869 2003 FW_{121}	15.7	X	99.36864	3.37275	193.87636	13.06021	0.0993322	0.24359119	2.5391888	20	8 14.4	19.5
127870 Vigo	15.0	X	251.35032	156.09333	84.94355	27.08617	0.0924381	0.21527059	2.7572719	20	—	—
127871 2003 FC_{128}	7.0	X	68.66844	38.77670	78.51509	2.37211	0.0828104	0.00477364	34.9330515	20	4 5.3	22.3
127872 2003 GV	16.2	X	257.65863	299.24441	333.92786	3.83839	0.2386953	0.28196857	2.3032209	20	1 20.9	20.1
127873 2003 GN_{1}	15.8	X	299.04967	18.39157	181.12543	6.67796	0.0570963	0.27606687	2.3359301	20	—	—
127874 2003 GP_{1}	15.7	X	284.50849	146.86036	177.54354	4.60420	0.1457445	0.29084835	2.2560999	20	5 6.3	18.3
127875 2003 GT_{1}	15.5	X	47.92640	45.90387	134.30638	8.33424	0.1928771	0.23333359	2.6130710	20	5 29.5	18.5
127876 2003 GN_{2}	16.0	X	10.29963	94.97963	159.86383	2.70502	0.1081607	0.23946125	2.5683008	20	6 27.1	18.8
127877 2003 GP_{3}	16.7	X	255.20094	260.19516	181.94750	5.37556	0.0474278	0.25397677	2.4694869	20	9 24.5	19.8
127878 2003 GH_{4}	15.6	X	302.26864	108.44740	198.33366	5.06551	0.2251374	0.29210549	2.2496221	20	4 22.2	17.8
127879 2003 GL_{4}	16.2	X	191.31202	221.23309	14.69565	4.05036	0.1121871	0.26566242	2.3965287	20	—	—
127880 2003 GS_{4}	16.9	X	305.17733	54.54158	159.85264	1.10247	0.0724995	0.28111688	2.3078705	20	1 13.3	19.5
127881 2003 GG_{5}	16.4	X	172.13275	72.81617	251.17812	1.91711	0.1840236	0.27513818	2.3411836	20	1 11.4	20.1
127882 2003 GX_{5}	16.0	X	331.52748	36.91777	196.43289	7.97863	0.1559231	0.28608449	2.2810764	20	3 1.8	18.6
127883 2003 GB_{6}	16.4	X	13.46715	150.65132	28.99097	6.46374	0.0932627	0.28555469	2.2838970	20	3 10.0	18.6
127884 2003 GK_{6}	16.3	X	211.41369	131.92723	77.86407	2.91345	0.1345854	0.26381275	2.4077175	20	—	—
127885 2003 GL_{6}	16.2	X	296.63595	116.66177	160.94992	3.23099	0.1205608	0.28633212	2.2797611	20	3 20.9	19.0
127886 2003 GO_{6}	16.2	X	206.47540	49.48276	169.92904	3.23507	0.1617205	0.26415938	2.4056107	20	—	—
127887 2003 GT_{6}	16.2	X	11.31924	171.77226	98.28298	5.43228	0.1785776	0.29605204	2.2295849	20	8 8.4	17.8
127888 2003 GO_{7}	16.6	X	316.63993	305.83486	16.24527	4.23754	0.1726222	0.29834380	2.2181524	20	6 22.6	18.3
127889 2003 GT_{8}	16.3	X	136.72559	218.71876	20.32859	1.05971	0.2089428	0.25542341	2.4601538	20	11 21.9	20.4
127890 2003 GE_{9}	16.3	X	289.14608	216.42687	43.50460	5.77129	0.1389122	0.28318593	2.2966154	20	2 15.9	19.3
127891 2003 GG_{9}	16.7	X	10.33920	168.97815	96.91882	1.69281	0.1101306	0.29705947	2.2245411	20	7 19.7	18.7
127892 2003 GO_{9}	16.0	X	15.61269	152.87015	87.43597	3.26791	0.1499134	0.23610813	2.5925596	20	6 18.4	18.6
127893 2003 GU_{9}	15.3	X	299.39944	151.92003	88.48603	5.48089	0.1499701	0.22370752	2.6875032	20	2 8.3	19.0
127894 2003 GD_{12}	16.1	X	57.93692	7.15727	171.85158	3.50715	0.0979851	0.23851906	2.5750598	20	5 27.9	19.2
127895 2003 GA_{13}	16.7	X	320.39927	139.72991	21.58211	3.62033	0.1598289	0.27635649	2.3342978	20	—	—
127896 2003 GY_{14}	15.7	X	30.65955	98.70787	124.98649	15.50129	0.0487788	0.24020957	2.5629641	20	6 13.4	19.0
127897 2003 GJ_{15}	15.0	X	106.19311	200.74457	76.64339	17.89249	0.1287320	0.19928488	2.9028180	20	11 30.9	19.5
127898 2003 GA_{16}	16.0	X	275.59436	203.46171	345.51015	9.33404	0.1103160	0.27195048	2.3594430	20	—	—
127899 2003 GG_{16}	15.0	X	83.15220	236.72641	97.25224	7.30801	0.0678121	0.20878239	2.8141040	20	—	—
127900 2003 GO_{16}	16.3	X	213.86899	171.77584	115.56433	7.79753	0.1696096	0.27681445	2.3317226	20	1 3.2	19.9
127901 2003 GD_{22}	17.0	X	68.96249	221.51315	351.31513	1.76431	0.1803433	0.30000558	2.2099536	20	8 18.8	19.8
127902 2003 GG_{22}	16.8	X	334.68501	297.17028	217.07712	2.19210	0.0896082	0.27715018	2.3298392	20	—	—
127903 2003 GT_{22}	16.0	X	0.71606	55.79281	219.96354	2.76916	0.1991592	0.29670430	2.2263161	20	7 22.4	17.2
127904 2003 GB_{23}	16.1	X	336.53132	0.53492	240.99104	3.70618	0.1419513	0.23018251	2.6368646	20	4 1.4	18.9
127905 2003 GE_{23}	15.9	X	314.37932	134.85990	186.25693	3.42726	0.2111150	0.29471719	2.2363121	20	6 9.1	17.8
127906 2003 GV_{23}	15.5	X	211.08646	320.50030	325.30194	24.33626	0.1057496	0.27696745	2.3308638	20	1 3.0	19.3
127907 2003 GW_{23}	16.6	X	22.54899	34.74479	222.07099	3.62510	0.1567907	0.29801530	2.2197821	20	8 3.6	18.5
127908 2003 GM_{26}	15.2	X	333.41464	102.15254	208.13283	6.00831	0.1214378	0.18488109	3.0516945	20	7 6.0	18.9
127909 2003 GU_{26}	17.8	X	186.55864	73.27295	15.36876	4.02196	0.0438290	0.30044021	2.2078218	20	7 7.4	20.6
127910 2003 GV_{26}	15.2	X	229.72713	179.11873	197.11128	14.22608	0.0817209	0.18026138	3.1036132	20	5 19.4	20.0
127911 2003 GG_{27}	15.9	X	46.62527	176.29077	79.12699	0.13395	0.2657274	0.18576519	3.0420043	20	9 15.3	19.9
127912 2003 GY_{28}	16.5	X	304.23586	129.85105	147.31656	5.53549	0.0485581	0.28940206	2.2636102	20	4 13.9	19.0
127913 2003 GD_{29}	16.0	X	219.10140	240.44984	39.20212	7.31024	0.1137560	0.27562205	2.3384428	20	—	—
127914 2003 GK_{29}	16.4	X	341.23599	29.44761	185.58585	7.53019	0.0863012	0.28591570	2.2819741	20	3 2.7	18.7
127915 2003 GB_{35}	15.8	X	292.36766	184.41635	106.43785	4.85988	0.0264397	0.23266063	2.6181074	20	4 23.2	19.2
127916 2003 GC_{38}	15.4	X	254.17561	187.96132	49.13959	8.30576	0.0840723	0.21839759	2.7308896	20	—	—
127917 2003 GW_{38}	15.5	X	156.78686	251.24140	70.86504	4.06877	0.0829107	0.22027046	2.7153879	20	—	—
127918 2003 GB_{40}	16.2	X	113.66385	171.97759	126.26139	7.31448	0.1433139	0.26082567	2.4260654	20	—	—
127919 2003 GR_{43}	16.0	X	183.45824	231.61433	91.98526	7.66119	0.1362688	0.27659545	2.3329532	20	1 19.2	19.5
127920 2003 GH_{44}	14.5	X	106.48835	352.62112	144.50843	18.47767	0.1449810	0.17889149	3.1194373	20	6 13.7	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
127921 2003 GL_{44}	14.2	X	309.41470	194.40801	109.97357	22.83100	0.0585173	0.17600412	3.1534612	20	6 3.7	18.7
127922 2003 GM_{44}	14.4	X	335.16586	225.69802	80.76322	20.64090	0.1658172	0.18315477	3.0708402	20	6 30.4	17.9
127923 2003 GP_{46}	16.1	X	71.82415	140.26563	94.96609	5.18888	0.0659655	0.24691940	2.5163202	20	9 1.7	19.4
127924 2003 GO_{47}	17.2	X	246.41853	273.73120	144.75624	3.93008	0.1149653	0.30550987	2.1833292	20	8 3.7	19.7
127925 2003 GQ_{47}	15.9	X	101.83151	297.96074	150.35686	3.29930	0.0551000	0.22971406	2.6404483	20	3 21.3	19.5
127926 2003 GO_{48}	15.2	X	207.81021	323.04321	38.04947	12.94382	0.2027156	0.23077519	2.6323480	20	4 3.6	19.7
127927 2003 GU_{49}	16.1	X	153.58144	330.26024	156.98802	4.04564	0.1075674	0.24385747	2.5373401	20	7 17.1	20.0
127928 2003 GW_{49}	15.6	X	39.74653	297.09997	186.63795	12.84989	0.0613140	0.22454651	2.6808047	20	2 7.1	19.1
127929 2003 GL_{53}	15.7	X	245.75352	60.33064	109.96321	13.88785	0.1055653	0.26811177	2.3819106	20	—	—
127930 2003 GX_{53}	15.0	X	0.22401	183.99180	114.23859	13.15256	0.1155377	0.24491660	2.5300197	20	8 16.8	17.7
127931 2003 GA_{55}	16.1	X	329.31848	267.61573	42.18507	5.26059	0.0368863	0.24280988	2.5446330	20	7 9.8	19.3
127932 2003 HB_{1}	15.5	X	334.22168	91.27114	209.40503	3.61059	0.3356044	0.23457316	2.6038572	20	5 30.7	17.3
127933 Shaunoborn	16.5	X	4.01895	166.77467	83.71365	2.87884	0.1300898	0.29300527	2.2450142	20	6 10.5	17.9
127934 2003 HK_{1}	16.7	X	90.52279	202.50260	74.03156	1.45390	0.1830140	0.25303512	2.4756097	20	11 27.2	20.3
127935 Reedmckenna	15.7	X	330.00119	142.71025	172.96496	4.79355	0.2594400	0.23771367	2.5808729	20	6 26.7	17.7
127936 2003 HU_{1}	16.0	X	271.43066	340.15885	130.92868	7.37023	0.0758850	0.25944314	2.4346765	20	11 26.4	19.0
127937 2003 HZ_{1}	15.0	X	329.52717	84.20950	223.33485	9.60570	0.1024624	0.18015735	3.1048079	20	6 26.9	19.0
127938 2003 HN_{2}	16.5	X	127.00206	72.84316	149.39409	26.63785	0.2803950	0.30748769	2.1739567	20	11 8.5	20.9
127939 2003 HX_{2}	16.7	X	6.01772	329.27801	270.55746	0.76021	0.1359796	0.23552935	2.5968051	20	5 27.9	19.3
127940 2003 HE_{3}	14.9	X	338.96303	315.93093	29.14512	10.36610	0.1114697	0.19005020	2.9961060	20	9 8.9	18.5
127941 2003 HK_{3}	16.0	X	264.05400	42.37139	203.65698	3.65959	0.0340737	0.22071019	2.7117800	20	1 17.6	19.8
127942 2003 HR_{3}	17.2	X	11.93613	43.21559	129.51031	1.27969	0.1357874	0.28545207	2.2844443	20	2 20.1	19.2
127943 2003 HW_{3}	17.2	X	347.96967	168.42096	40.09594	1.95095	0.1548452	0.28569211	2.2831646	20	2 26.7	19.2
127944 2003 HN_{4}	15.1	X	181.72751	272.68844	71.93958	15.51278	0.2986913	0.21580537	2.7527148	20	3 1.0	20.4
127945 2003 HW_{6}	16.0	X	149.63403	210.67021	187.78752	1.63893	0.0937624	0.22893095	2.6464663	20	3 18.9	19.9
127946 2003 HD_{8}	16.4	X	329.77704	19.62101	220.57509	6.40585	0.0604672	0.28690529	2.2767238	20	3 23.9	18.9
127947 2003 HE_{8}	16.1	X	272.96945	299.88886	16.99209	1.52827	0.1268670	0.23050054	2.6344386	20	4 14.9	19.7
127948 2003 HU_{9}	16.2	X	206.96584	318.04646	188.08878	6.11395	0.1287339	0.25514508	2.4619426	20	10 7.8	19.8
127949 2003 HA_{10}	15.4	X	359.09461	263.10222	196.66454	6.30567	0.0569793	0.21304354	2.7764539	20	—	—
127950 2003 HK_{10}	15.0	X	107.02636	176.28381	23.62216	9.07310	0.0430722	0.18797924	3.0180711	20	8 22.9	19.4
127951 2003 HQ_{10}	14.8	X	322.15726	106.02385	191.92405	11.36729	0.1372651	0.17599559	3.1535631	20	5 31.3	18.8
127952 2003 HD_{11}	15.2	X	5.62024	148.41559	91.38604	6.13842	0.0210794	0.18179788	3.0861012	20	5 26.5	19.4
127953 2003 HA_{13}	15.6	X	203.80396	133.70656	161.31778	6.95221	0.0577667	0.21709508	2.7418018	20	1 9.2	19.7
127954 2003 HB_{13}	16.7	X	355.10773	47.67018	116.29814	5.07147	0.0625530	0.28005237	2.3137151	20	1 17.1	19.2
127955 2003 HY_{13}	16.0	X	356.26151	193.54640	122.90499	5.21233	0.2541861	0.24103235	2.5571282	20	9 20.2	17.9
127956 2003 HR_{14}	16.5	X	213.12428	7.37029	141.10880	2.54919	0.1596403	0.25721244	2.4487328	20	10 15.3	20.0
127957 2003 HF_{15}	15.8	X	14.48105	209.34237	79.58130	12.91791	0.1326493	0.24317320	2.5420977	20	9 5.2	18.8
127958 2003 HD_{16}	16.1	X	211.84723	187.54075	84.95178	6.37745	0.0850180	0.27107677	2.3645102	20	—	—
127959 2003 HD_{20}	16.8	X	149.45354	172.98167	38.15062	2.66585	0.1524839	0.25434645	2.4670934	20	10 30.6	20.6
127960 2003 HP_{20}	16.4	X	247.97391	216.54766	43.36895	6.91696	0.0849719	0.27604759	2.3360389	20	1 4.8	19.7
127961 2003 HA_{21}	16.6	X	211.60836	202.64335	58.60572	2.85819	0.1466116	0.26931665	2.3748011	20	—	—
127962 2003 HG_{21}	16.2	X	359.99205	7.30653	188.99345	9.44481	0.1385273	0.28476824	2.2881001	20	3 1.3	18.4
127963 2003 HO_{21}	15.2	X	19.54665	248.86597	43.33477	5.47580	0.1353170	0.18618255	3.0374565	20	9 5.2	18.9
127964 2003 HQ_{21}	16.0	X	263.32582	81.62920	116.01371	6.09865	0.1213189	0.26923705	2.3752692	20	—	—
127965 2003 HG_{22}	16.7	X	1.74331	142.51120	102.43346	3.55905	0.0639054	0.29223104	2.2489777	20	5 27.2	18.9
127966 2003 HU_{26}	16.8	X	164.42927	182.34453	118.02757	6.43590	0.2329625	0.26626756	2.3928963	20	—	—
127967 2003 HJ_{27}	16.2	X	38.73252	161.03956	65.58029	4.97398	0.1993278	0.23747215	2.5826225	20	7 21.4	18.9
127968 2003 HD_{28}	15.6	X	121.52000	142.09153	344.68480	3.61223	0.0957670	0.23773185	2.5807413	20	6 9.4	19.4
127969 2003 HO_{31}	16.4	X	322.52732	295.09131	20.67292	2.72815	0.1302158	0.23788572	2.5796283	20	6 27.6	19.2
127970 2003 HJ_{36}	14.5	X	320.36148	226.46333	67.35348	12.19199	0.1347640	0.17654546	3.1470116	20	5 22.5	18.3
127971 2003 HP_{36}	16.4	X	102.03420	215.64155	70.84649	3.33237	0.1755581	0.25602501	2.4562984	20	12 19.4	20.2
127972 2003 HP_{37}	15.9	X	269.84415	232.02769	359.88709	7.55582	0.0755033	0.27570750	2.3379595	20	—	—
127973 2003 HO_{38}	16.7	X	235.65725	263.60089	10.59372	2.86107	0.1547321	0.27482586	2.3429570	20	1 7.5	20.3
127974 2003 HL_{39}	16.0	X	36.47692	10.75315	286.67735	2.62478	0.1629278	0.24598437	2.5226928	20	10 19.5	19.0
127975 2003 HM_{39}	16.4	X	265.40445	234.64983	34.64804	4.14438	0.1852756	0.27833218	2.3232383	20	1 27.8	19.9
127976 2003 HY_{39}	16.8	X	183.88510	338.45167	259.91026	1.74671	0.1458051	0.26181957	2.4199217	20	—	—
127977 2003 HF_{40}	16.2	X	189.29967	226.74862	45.29415	2.74723	0.1967915	0.26568732	2.3963790	20	—	—
127978 2003 HL_{40}	15.7	X	204.65284	245.31240	41.71764	2.20145	0.2053677	0.21132060	2.7915248	20	1 3.9	20.4
127979 2003 HM_{40}	16.2	X	159.84843	7.81910	216.22620	1.49996	0.1437598	0.25546307	2.4598991	20	11 25.7	20.1
127980 2003 HC_{41}	16.2	X	347.46562	31.12467	225.24806	6.62606	0.1045888	0.29001780	2.2604051	20	5 16.7	18.1
127981 2003 HS_{41}	14.7	X	84.05511	321.48630	243.12295	13.30246	0.0780852	0.18381490	3.0634837	20	7 27.3	19.3
127982 2003 HY_{41}	15.3	X	69.06531	135.24957	43.41155	13.74610	0.0971891	0.23563660	2.5960171	20	6 10.3	18.7
127983 2003 HW_{42}	15.7	X	20.62864	356.41136	321.40981	5.17805	0.2975853	0.24348480	2.5399285	20	11 14.1	18.7
127984 2003 HA_{43}	15.6	X	87.58428	43.34103	163.25337	5.40448	0.1192618	0.24119731	2.5559621	20	8 17.9	19.2
127985 2003 HM_{43}	16.2	X	89.32158	134.51300	46.95117	6.65495	0.1059359	0.23960284	2.5672889	20	7 16.9	19.8
127986 2003 HN_{43}	15.1	X	48.23513	239.19321	46.21683	15.19638	0.0664902	0.18999713	2.9966638	20	10 3.2	19.3
127987 2003 HE_{45}	15.0	X	305.83663	208.64648	58.09192	6.12693	0.1371281	0.17083671	3.2167348	20	3 29.5	19.4
127988 2003 HJ_{46}	16.5	X	247.68883	76.31695	96.24156	2.27002	0.1281551	0.26492348	2.4009830	20	—	—
127989 2003 HL_{46}	15.6	X	333.15550	29.14272	204.95198	14.63752	0.0651163	0.22817327	2.6523217	20	3 25.9	19.0
127990 2003 HG_{48}	16.3	X	286.58926	231.43889	10.20180	7.16535	0.1094807	0.28023210	2.3127257	20	1 23.6	19.4
127991 2003 HR_{48}	14.3	X	330.59913	46.85078	243.82119	18.41021	0.2030389	0.17532433	3.1616073	20	5 26.9	17.8
127992 2003 HT_{48}	16.2	X	294.89559	153.17148	98.36977	4.89699	0.1010507	0.28002089	2.3138885	20	2 16.5	19.1
127993 2003 HU_{48}	16.1	X	267.94514	146.38482	73.77448	8.31456	0.2326837	0.27213792	2.3583595	20	—	—
127994 2003 HE_{49}	15.3	X	172.21256	271.58600	74.73454	9.75737	0.1478237	0.21723189	2.7406505	20	2 15.6	19.8
127995 2003 HS_{49}	15.9	X	186.16531	234.64793	44.49108	4.51534	0.0665504	0.21130309	2.7916790	20	—	—
127996 2003 HJ_{50}	15.4	X	163.00302	321.92805	89.32527	22.58213	0.0465432	0.22740754	2.6582724	20	4 27.9	19.6
127997 2003 HQ_{50}	16.2	X	258.96669	146.61030	100.88821	7.87900	0.0796809	0.27498943	2.3420278	20	1 1.1	19.5
127998 2003 HA_{51}	15.2	X	90.79301	62.54094	122.39475	8.08250	0.1702822	0.23849334	2.5752450	20	7 30.9	18.7
127999 2003 HF_{51}	16.2	X	69.02137	352.21506	152.14435	6.84489	0.0437447	0.28852197	2.2682110	20	4 16.6	18.8
128000 2003 HQ_{51}	15.6	X	86.73686	197.59832	210.81899	7.49614	0.1812112	0.27565586	2.3382516	20	1 15.1	18.0