Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284001 2004 TF_{98}	17.5	X	97.21617	315.03611	48.38425	2.36456	0.1432728	0.26641003	2.3920431	20	—	—
284002 2004 TX_{108}	17.5	X	161.34190	133.58650	186.20157	6.77190	0.1746749	0.27317408	2.3523922	20	—	—
284003 2004 TA_{122}	17.1	X	70.89971	237.08179	163.93478	3.22015	0.1778615	0.26665231	2.3905940	20	—	—
284004 2004 TP_{123}	16.8	X	53.78271	351.17247	69.54215	5.77585	0.2211865	0.26528161	2.3988216	20	—	—
284005 2004 TL_{127}	17.7	X	113.54557	228.56020	134.20615	3.31925	0.2441404	0.27056316	2.3675015	20	1 5.9	20.5
284006 2004 TR_{127}	16.5	X	135.85133	293.10701	19.91624	7.01688	0.1207210	0.26662700	2.3907452	20	—	—
284007 2004 TT_{128}	17.5	X	110.70740	315.07803	56.85280	2.08518	0.1985940	0.27081349	2.3660424	20	1 7.7	20.2
284008 2004 TB_{161}	17.5	X	77.36314	9.24809	0.96038	1.22412	0.1935075	0.26313207	2.4118680	20	—	—
284009 2004 TG_{163}	17.3	X	56.35222	327.96585	64.33492	1.93385	0.1932302	0.26223845	2.4173441	20	—	—
284010 2004 TS_{196}	15.3	X	355.44664	7.52707	27.78819	3.00947	0.2459361	0.12689617	3.9219650	20	11 27.8	19.4
284011 2004 TZ_{206}	17.4	X	96.29457	183.76657	207.88557	0.73346	0.1884864	0.26919287	2.3755291	20	1 11.6	20.0
284012 2004 TS_{214}	17.6	X	84.41595	53.99707	335.75288	1.99435	0.1971321	0.26688552	2.3892011	20	—	—
284013 2004 TG_{242}	16.6	X	117.58560	40.86650	356.87952	4.00684	0.0770028	0.21117716	2.7927887	20	2 11.3	20.4
284014 2004 TU_{274}	17.3	X	61.79113	149.40351	236.48985	1.95101	0.2102239	0.26178361	2.4201433	20	—	—
284015 2004 TX_{278}	16.8	X	125.20662	237.80902	66.40530	3.92382	0.2257852	0.26191172	2.4193540	20	—	—
284016 2004 TD_{293}	16.7	X	232.85068	303.02868	241.87461	6.70626	0.0534010	0.25523905	2.4613383	20	—	—
284017 2004 TG_{298}	17.4	X	129.60092	22.76427	318.46156	0.50509	0.1925580	0.26899124	2.3767160	20	—	—
284018 2004 TA_{362}	16.9	X	103.18072	95.98537	267.21330	7.66827	0.0959578	0.26513192	2.3997244	20	—	—
284019 2004 TA_{368}	17.5	X	100.30320	21.11458	342.29286	2.70588	0.2000928	0.26508353	2.4000165	20	—	—
284020 2004 UL_{2}	17.1	X	65.81070	183.51113	249.13729	6.41630	0.2309518	0.26868383	2.3785285	20	1 20.2	19.0
284021 2004 VE_{10}	17.3	X	346.72993	299.01669	54.99704	22.40462	0.0943363	0.36967677	1.9227432	20	11 14.2	18.6
284022 2004 VD_{16}	16.7	X	71.25722	266.51020	124.44982	12.47294	0.2211336	0.26378141	2.4079082	20	—	—
284023 2004 VP_{38}	17.1	X	116.70388	55.84724	230.86930	2.51322	0.0995212	0.25353850	2.4723319	20	12 30.6	20.7
284024 2004 VV_{47}	17.2	X	75.49919	124.34061	202.85799	6.16784	0.0995230	0.25271516	2.4776989	20	—	—
284025 2004 VV_{62}	17.4	X	76.02768	113.99011	265.89394	1.53145	0.2010108	0.26428813	2.4048294	20	—	—
284026 2004 VC_{64}	16.1	X	154.29103	151.77556	86.67879	7.85537	0.0971852	0.25323445	2.4743105	20	12 9.7	19.6
284027 2004 VL_{79}	17.2	X	116.99924	166.07498	133.48215	2.38408	0.1910994	0.25891345	2.4379959	20	—	—
284028 2004 WJ_{5}	16.3	X	67.95367	129.71384	249.04628	14.14961	0.1563926	0.26228118	2.4170815	20	—	—
284029 Esplugafrancoli	15.6	X	7.97215	284.49984	72.81696	11.03637	0.0854682	0.18150203	3.0894539	20	11 4.9	19.7
284030 2004 XV_{25}	15.9	X	145.72095	220.78929	293.74524	12.29551	0.2372587	0.22305664	2.6927288	20	8 13.2	20.7
284031 2004 XD_{56}	17.2	X	76.94379	211.40748	166.96971	1.02911	0.1889382	0.26033371	2.4291208	20	—	—
284032 2004 XS_{94}	16.1	X	339.89239	10.09546	42.79244	3.32865	0.1396557	0.24572445	2.5244715	20	12 25.3	18.8
284033 2004 XW_{101}	15.6	X	272.01683	140.25464	299.15469	22.11636	0.0142620	0.23507149	2.6001760	20	10 1.4	19.6
284034 2004 XA_{163}	16.0	X	202.24686	171.96185	303.00909	13.12454	0.1817675	0.22839489	2.6506057	20	8 13.7	20.3
284035 2004 XE_{164}	16.1	X	80.40867	222.94352	116.50210	15.55845	0.1709304	0.25732203	2.4480375	20	—	—
284036 2004 YO_{8}	16.8	X	32.61704	284.22712	82.05661	4.81542	0.0853621	0.25142511	2.4861669	20	—	—
284037 2004 YR_{19}	17.3	X	349.18334	100.48399	285.72845	5.40217	0.0821702	0.23977911	2.5660306	20	11 25.0	20.4
284038 2004 YP_{25}	15.9	X	263.78410	318.69680	119.81278	14.13018	0.2240349	0.23293258	2.6160692	20	9 3.9	19.4
284039 2004 YJ_{36}	15.7	X	264.19925	104.10629	318.17954	21.63663	0.0537296	0.22559442	2.6724965	20	8 29.3	19.3
284040 2005 AZ_{24}	16.0	X	278.21838	305.63609	121.89288	15.95609	0.1623763	0.23275171	2.6174243	20	9 22.9	19.4
284041 2005 AD_{25}	16.1	X	350.70276	161.73667	233.62625	5.27393	0.1943845	0.24237525	2.5476741	20	12 25.7	18.7
284042 2005 AG_{39}	16.2	X	9.29250	260.60599	103.41729	15.79361	0.1380481	0.24041942	2.5614724	20	12 7.0	19.3
284043 2005 AU_{46}	16.8	X	328.76153	108.27602	305.59187	5.35616	0.1025921	0.24233928	2.5479262	20	12 2.2	19.6
284044 2005 AA_{51}	13.0	X	181.18474	311.75903	86.22024	8.04307	0.1005312	0.08249490	5.2261836	20	4 29.3	20.4
284045 2005 AC_{53}	16.7	X	7.42759	308.47254	80.36532	4.31067	0.2222270	0.24596902	2.5227978	20	—	—
284046 2005 AU_{61}	13.1	X	162.14790	107.11465	331.76733	19.57550	0.0822688	0.08369852	5.1759594	20	5 18.9	20.6
284047 2005 AC_{77}	12.7	X	277.53226	344.36163	330.78631	19.82493	0.0860367	0.08145892	5.2704005	20	4 21.2	19.9
284048 2005 BG_{4}	16.6	X	19.18215	258.45919	134.03488	7.57726	0.1638855	0.24748484	2.5124860	20	—	—
284049 2005 BS_{6}	15.7	X	71.88818	283.55095	318.80581	10.79048	0.0295846	0.22683885	2.6627134	20	8 29.6	19.2
284050 2005 BV_{11}	16.1	X	78.45270	137.97008	105.16684	10.70289	0.1544684	0.22827059	2.6515679	20	10 3.5	20.1
284051 2005 BU_{20}	16.4	X	356.97176	180.11138	116.20108	4.64529	0.0714971	0.22129394	2.7070090	20	7 31.9	19.4
284052 2005 BY_{25}	15.8	X	134.39091	200.54764	309.45112	8.35661	0.1017953	0.21800188	2.7341934	20	7 25.4	19.9
284053 2005 BD_{37}	17.1	X	24.52007	355.50465	306.85962	3.50461	0.0630498	0.22866583	2.6485115	20	9 19.8	20.3
284054 2005 CO_{2}	16.2	X	303.95353	298.83865	127.39467	15.84646	0.1354402	0.23736428	2.5834048	20	11 10.7	19.3
284055 2005 CA_{13}	16.3	X	271.90167	294.88393	121.26081	10.82183	0.1108958	0.22930830	2.6435622	20	9 1.6	19.7
284056 2005 CS_{18}	16.2	X	73.78080	44.16143	140.64500	10.01768	0.1040770	0.21301907	2.7766665	20	6 28.1	20.1
284057 2005 CT_{42}	15.9	X	129.02817	5.98861	136.30798	14.35306	0.0530363	0.21768737	2.7368262	20	7 4.8	19.9
284058 2005 CV_{46}	16.7	X	149.68906	6.98131	133.34802	5.03977	0.0284131	0.21817030	2.7327861	20	7 25.8	20.5
284059 2005 CG_{54}	16.8	X	350.22442	256.47811	32.90865	3.71146	0.0469039	0.21578962	2.7528487	20	7 10.9	20.2
284060 2005 CH_{58}	16.1	X	286.59233	140.16948	311.63738	26.54127	0.1174377	0.23752922	2.5822088	20	10 28.3	19.8
284061 2005 CV_{64}	16.1	X	318.13445	9.23809	351.55322	6.04494	0.0432412	0.22527881	2.6749920	20	8 31.9	19.3
284062 2005 ER	15.5	X	240.80501	146.33314	348.00236	22.02800	0.0417040	0.23151204	2.6267596	20	10 30.2	19.5
284063 2005 EU_{1}	17.3	X	75.33100	56.90691	354.04841	20.52423	0.0894360	0.38193188	1.8813898	20	—	—
284064 2005 EZ_{8}	16.7	X	318.78991	285.27786	128.78495	4.01383	0.1710849	0.23911502	2.5707794	20	11 16.2	19.1
284065 2005 EU_{71}	15.0	X	234.37050	236.14298	353.91846	15.83178	0.2270634	0.18011628	3.1052798	20	—	—
284066 2005 EG_{80}	15.8	X	131.12778	353.41800	137.73627	15.41713	0.1307122	0.21007587	2.8025407	20	6 29.5	20.3
284067 2005 EX_{90}	15.6	X	267.01894	58.32974	179.28315	14.52958	0.0947088	0.18763893	3.0217191	20	1 8.8	20.4
284068 2005 EU_{104}	16.5	X	23.04402	285.54586	323.86232	3.67378	0.0663382	0.21623680	2.7490521	20	7 6.9	19.9
284069 2005 EO_{155}	16.5	X	230.73983	249.10684	178.55100	3.41821	0.0741367	0.21480842	2.7612254	20	7 25.2	20.4
284070 2005 ER_{156}	17.0	X	170.25659	250.85438	352.41438	18.63349	0.0620347	0.36876571	1.9259087	20	—	—
284071 2005 EQ_{157}	16.9	X	265.43836	214.95370	183.72116	5.15005	0.0714337	0.21798813	2.7343083	20	7 31.3	20.5
284072 2005 EL_{164}	15.6	X	312.65401	257.05404	82.01406	11.50469	0.1938857	0.21566076	2.7539452	20	7 3.4	18.5
284073 2005 EP_{250}	17.1	X	137.02685	233.35796	65.38192	22.72327	0.0210070	0.36967612	1.9227454	20	—	—
284074 2005 ED_{254}	16.2	X	350.60536	7.41558	332.65958	14.72821	0.2734651	0.22481421	2.6786762	20	9 30.3	18.5
284075 2005 GB_{16}	16.1	X	231.53810	116.23693	342.67922	21.67135	0.0396127	0.22670627	2.6637514	20	9 10.4	19.6
284076 2005 GL_{78}	16.2	X	285.01099	122.22352	95.44021	13.29734	0.2377857	0.18251687	3.0779912	20	—	—
284077 2005 GL_{133}	16.4	X	250.70695	221.68520	168.65129	5.90948	0.0996189	0.20869436	2.8148953	20	6 27.3	20.5
284078 2005 GN_{141}	15.8	X	272.87542	87.51093	148.07479	5.78581	0.1916676	0.18247766	3.0784321	20	1 4.5	20.6
284079 2005 JZ_{23}	16.6	X	260.20835	160.12486	150.58805	1.95736	0.1228151	0.19152091	2.9807480	20	3 27.3	21.0
284080 2005 JC_{34}	16.1	X	287.77548	141.14000	96.54400	11.36216	0.0339488	0.18340094	3.0680917	20	2 13.7	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284081 2005 JS_{49}	17.7	X	168.37672	136.05398	182.02267	4.82259	0.1242000	0.30620127	2.1800413	20	—	—
284082 2005 JS_{63}	15.7	X	192.43966	104.44678	178.37183	25.82759	0.2727826	0.16981412	3.2296356	20	—	—
284083 2005 JS_{79}	15.6	X	208.07482	93.33420	238.96035	10.22045	0.0398246	0.18646005	3.0344421	20	2 27.7	20.3
284084 2005 JT_{93}	15.5	X	240.06591	226.25801	57.91231	17.85100	0.1813149	0.18023291	3.1039400	20	2 7.1	20.9
284085 2005 JS_{163}	15.8	X	354.60696	99.37949	94.86148	11.62535	0.0565715	0.18859541	3.0114938	20	3 17.7	19.9
284086 2005 LA_{1}	15.8	X	276.60293	4.67792	235.87300	23.89493	0.1615783	0.18143160	3.0902535	20	1 10.9	21.0
284087 2005 LU_{17}	16.6	X	231.38074	227.83298	64.80554	2.31617	0.1361387	0.18114231	3.0935427	20	2 6.7	21.5
284088 2005 LD_{35}	15.8	X	188.22954	181.86818	136.41166	5.82375	0.1370939	0.17119740	3.2122150	20	1 29.0	21.0
284089 2005 LQ_{37}	15.7	X	238.94825	50.46772	212.42284	12.78936	0.0481897	0.17783758	3.1317496	20	1 12.9	20.5
284090 2005 LR_{37}	15.9	X	249.92364	249.17616	98.70149	12.97084	0.0719359	0.19509619	2.9442195	20	5 10.7	20.3
284091 2005 ME_{4}	15.7	X	246.59567	167.03750	135.35051	16.34604	0.1351498	0.18410254	3.0602920	20	3 4.7	20.5
284092 2005 MQ_{27}	15.8	X	180.52856	191.31092	129.18419	8.30054	0.1146777	0.16936708	3.2353161	20	1 24.2	20.8
284093 2005 MT_{32}	15.9	X	2.94146	299.91823	206.48660	14.78325	0.0130409	0.17923243	3.1154801	20	1 23.5	20.5
284094 2005 MK_{34}	15.6	X	214.67973	179.67668	130.89081	29.25510	0.1529413	0.17239015	3.1973812	20	2 12.5	20.8
284095 2005 MG_{42}	15.8	X	211.19018	78.94405	226.93186	10.75566	0.1624312	0.17793742	3.1305780	20	1 30.5	21.2
284096 2005 NQ_{17}	17.4	X	166.72096	295.46121	3.39588	7.53213	0.1867498	0.29499743	2.2348955	20	—	—
284097 2005 NE_{23}	15.8	X	260.43885	97.30384	151.18200	14.55520	0.1062994	0.17209161	3.2010779	20	1 16.4	20.8
284098 2005 NQ_{85}	15.4	X	165.95980	35.44154	293.49174	9.34697	0.0389583	0.16868110	3.2440816	20	1 15.4	20.1
284099 2005 OG_{31}	15.4	X	213.39129	133.54769	169.40352	17.54949	0.1582198	0.16891501	3.2410860	20	1 31.6	21.0
284100 2005 QG_{55}	18.3	X	299.63918	189.81679	132.48409	2.93386	0.1471844	0.32002800	2.1167881	20	5 25.8	20.2
284101 2005 QV_{68}	15.4	X	241.75983	308.50712	6.86248	14.14581	0.2149418	0.17701754	3.1414141	20	3 10.5	20.7
284102 2005 QO_{177}	18.5	X	174.69403	79.13128	356.84936	2.20801	0.0696974	0.31493457	2.1395503	20	6 1.9	21.1
284103 2005 QP_{181}	17.6	X	139.20210	87.23740	358.17062	5.15446	0.0877518	0.30519639	2.1848240	20	5 1.7	20.3
284104 2005 RF_{21}	15.5	X	212.14547	349.99396	11.49628	14.36613	0.2053356	0.17691663	3.1426085	20	4 5.5	20.8
284105 2005 SJ_{63}	18.3	X	286.44664	74.31162	200.92743	2.53060	0.1024514	0.30606609	2.1806832	20	3 3.1	20.8
284106 2005 SZ_{81}	16.4	X	265.69469	335.57853	52.07613	2.03705	0.0730011	0.18674894	3.0313119	20	7 16.3	20.6
284107 2005 SC_{126}	17.8	X	334.53445	10.05322	187.68573	4.85854	0.1009801	0.29920836	2.2138774	20	1 22.5	20.1
284108 2005 SL_{184}	17.9	X	324.11892	23.09553	263.92469	1.50106	0.1925053	0.31679946	2.1311455	20	5 4.5	19.3
284109 2005 SE_{265}	17.8	X	140.58076	232.03656	213.89852	4.12857	0.0618792	0.30877459	2.1679122	20	5 3.4	20.2
284110 2005 SC_{282}	16.7	X	298.98104	174.72385	63.55961	12.61840	0.0262782	0.23114762	2.6295197	20	2 27.1	20.5
284111 2005 TK_{8}	17.2	X	121.98741	81.17818	147.00886	2.74944	0.1536682	0.26472268	2.4021970	20	10 28.9	20.8
284112 2005 TJ_{41}	16.9	X	115.87465	274.65445	208.76088	11.80897	0.1382728	0.23885000	2.5726807	20	6 4.1	20.8
284113 2005 TD_{45}	17.5	X	111.93760	51.95277	225.93126	1.33265	0.1916923	0.27402261	2.3475334	20	12 21.2	21.2
284114 2005 TZ_{51}	17.9	X	258.60994	127.50778	280.34918	10.83781	0.4288051	0.31775746	2.1268599	20	6 22.1	21.1
284115 2005 TG_{173}	16.7	X	137.87288	28.76487	19.54923	12.73201	0.2876672	0.22928023	2.6437779	20	4 5.3	21.1
284116 2005 UD_{77}	17.6	X	218.74690	73.17196	300.11037	3.20803	0.1330120	0.30638214	2.1791833	20	4 23.2	20.6
284117 2005 UF_{79}	15.9	X	151.76393	204.51638	215.32574	14.47313	0.0874832	0.23247612	2.6194925	20	4 16.2	19.7
284118 2005 US_{112}	17.6	X	284.30603	287.76803	306.80854	2.26324	0.0741005	0.29015916	2.2596709	20	1 12.2	20.2
284119 2005 UX_{131}	16.8	X	215.03352	224.32961	133.49443	7.74745	0.1039179	0.30324284	2.1941973	20	4 4.7	19.9
284120 2005 UM_{190}	17.9	X	268.45065	51.34844	232.55886	1.96093	0.1330666	0.30032214	2.2084004	20	2 18.6	21.0
284121 2005 UC_{201}	17.6	X	329.11407	347.74730	217.54567	6.34445	0.1278597	0.29299856	2.2450485	20	1 21.2	20.3
284122 2005 UM_{219}	17.9	X	268.94768	355.69654	323.81923	2.91940	0.1806157	0.30970643	2.1635615	20	3 31.5	20.9
284123 2005 UZ_{238}	17.5	X	324.41648	47.42788	106.16670	5.11670	0.1080981	0.28112017	2.3078525	20	—	—
284124 2005 UG_{239}	17.5	X	262.59834	144.27218	130.90518	4.54841	0.1459819	0.29703627	2.2246570	20	2 1.0	20.3
284125 2005 UM_{244}	18.3	X	167.73242	103.58772	295.09601	4.88761	0.0998344	0.29934633	2.2131971	20	4 1.1	21.3
284126 2005 UX_{258}	14.7	X	226.60954	298.46215	210.08336	9.93478	0.1509216	0.12659582	3.9281658	20	10 10.2	20.6
284127 2005 US_{319}	18.5	X	191.42694	358.06732	5.13770	2.02184	0.0760587	0.30014465	2.2092709	20	3 13.3	21.2
284128 2005 UM_{365}	18.0	X	328.94765	76.96198	126.17762	3.28400	0.0343671	0.29382633	2.2408300	20	2 3.8	20.4
284129 2005 UO_{382}	16.8	X	138.63855	239.88443	136.24449	5.12700	0.2579152	0.22779387	2.6552660	20	2 25.5	21.0
284130 2005 UT_{444}	15.9	X	132.84601	164.30828	248.68961	13.99823	0.1094742	0.22682392	2.6628302	20	3 14.0	20.1
284131 2005 UV_{464}	17.5	X	324.48128	75.76319	129.46714	3.45195	0.0947624	0.29469999	2.2363991	20	1 21.2	20.1
284132 2005 UQ_{478}	17.6	X	251.53222	92.16741	113.03378	2.89585	0.2226073	0.27616444	2.3353799	20	—	—
284133 2005 UP_{504}	17.9	X	95.31840	314.09492	89.66265	1.23486	0.2040345	0.27500312	2.3419501	20	1 28.9	20.4
284134 2005 VD_{38}	17.9	X	254.66881	124.59262	178.70646	4.15788	0.1702916	0.30097619	2.2051999	20	2 26.1	21.1
284135 2005 VS_{57}	17.5	X	333.50604	67.57900	91.14932	7.55105	0.0455784	0.28302878	2.2974654	20	—	—
284136 2005 VC_{77}	17.5	X	148.66229	142.15660	264.33455	4.66527	0.1041521	0.29809507	2.2193861	20	3 21.3	20.6
284137 2005 VZ_{88}	17.8	X	175.13515	327.96218	86.06689	5.47876	0.1358772	0.30410777	2.1900349	20	5 6.0	20.9
284138 2005 VW_{124}	17.3	X	235.18448	3.54863	228.33202	2.84910	0.1734740	0.28083897	2.3093928	20	—	—
284139 2005 WS_{6}	17.7	X	106.04563	35.19934	71.56400	2.84166	0.0956064	0.29846534	2.2175502	20	4 22.8	20.1
284140 2005 WK_{10}	17.7	X	248.99979	186.25815	57.61602	2.85991	0.1348923	0.28606510	2.2811795	20	—	—
284141 2005 WM_{14}	17.9	X	264.38978	109.51959	231.43715	0.58999	0.1851135	0.30997426	2.1623150	20	4 25.6	20.7
284142 2005 WM_{34}	17.9	X	212.70823	102.66643	273.61293	2.70853	0.1751749	0.30501316	2.1856989	20	4 19.7	21.3
284143 2005 WV_{43}	17.3	X	216.88233	52.61634	241.86983	5.55640	0.0218900	0.28985737	2.2612391	20	1 10.9	20.2
284144 2005 WX_{48}	17.5	X	220.44851	271.09800	58.39971	2.65685	0.1192395	0.29608374	2.2294257	20	3 1.9	20.8
284145 2005 WF_{58}	17.1	X	244.12058	241.89776	91.03185	7.17113	0.2097779	0.30208391	2.1998057	20	3 26.9	20.6
284146 2005 WE_{68}	17.6	X	194.91834	272.74185	79.42195	3.97494	0.1112530	0.29549480	2.2323870	20	3 5.7	20.7
284147 2005 WX_{71}	16.9	X	6.72826	228.35231	244.58788	6.56480	0.2081111	0.27873542	2.3209972	20	—	—
284148 2005 WP_{83}	17.4	X	356.01154	183.96214	280.94157	4.26359	0.0305818	0.26930743	2.3748554	20	—	—
284149 2005 WK_{90}	16.1	X	91.83433	192.54515	263.29056	11.99411	0.1337538	0.22562169	2.6722811	20	3 23.1	19.9
284150 2005 WP_{102}	16.3	X	344.27760	255.09695	225.88713	22.07607	0.1796850	0.27525467	2.3405230	20	—	—
284151 2005 WT_{151}	17.0	X	39.98589	176.36198	284.07365	7.71305	0.1365682	0.28416422	2.2913413	20	—	—
284152 2005 XC_{4}	14.9	X	101.27073	258.79199	308.87571	26.55002	0.3661466	0.23168137	2.6254796	20	9 9.3	20.1
284153 2005 XN_{32}	17.1	X	229.49249	211.12795	88.63426	7.43510	0.1391891	0.29145784	2.2529535	20	2 1.9	20.4
284154 2005 XO_{90}	17.9	X	200.95486	71.53728	291.26357	6.11998	0.1295301	0.29594074	2.2301439	20	3 20.4	21.4
284155 2005 YY_{14}	17.3	X	231.18218	258.57545	293.49178	5.60734	0.0988935	0.26150026	2.4218912	20	—	—
284156 2005 YV_{33}	17.5	X	32.38422	358.99785	109.94410	5.12091	0.1318324	0.27974766	2.3153949	20	—	—
284157 2005 YL_{36}	17.3	X	152.15450	352.39278	314.33845	6.57046	0.0386391	0.26992567	2.3712277	20	—	—
284158 2005 YS_{42}	17.1	X	167.72588	48.16488	183.07490	1.29347	0.1480097	0.25696492	2.4503050	20	12 12.0	20.8
284159 2005 YW_{46}	16.6	X	181.28072	158.38261	100.66825	7.67372	0.0979435	0.26543951	2.3978702	20	—	—
284160 2005 YB_{49}	16.8	X	166.11072	322.42188	289.87321	5.50220	0.0972814	0.26067211	2.4270180	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284161 2005 YM_{66}	17.3	X	179.57847	14.36772	305.34778	7.92377	0.1352089	0.28049975	2.3112543	20	1 9.8	20.7
284162 2005 YE_{70}	16.7	X	99.05811	85.19631	335.07075	3.47097	0.1134663	0.21605097	2.7506283	20	2 20.1	20.4
284163 2005 YX_{75}	16.9	X	26.49576	134.43196	19.95383	2.07062	0.0371698	0.21930799	2.7233267	20	3 2.8	20.2
284164 2005 YU_{81}	16.9	X	184.02425	139.57229	113.24723	7.49024	0.1252906	0.26535068	2.3984053	20	—	—
284165 2005 YB_{107}	16.9	X	164.25217	116.89325	100.32125	5.43777	0.1977328	0.25340165	2.4732219	20	11 19.7	20.9
284166 2005 YS_{108}	17.3	X	269.52301	305.38194	263.32296	2.12232	0.0769366	0.27382171	2.3486815	20	—	—
284167 2005 YK_{122}	17.7	X	164.41012	103.73679	314.19800	5.23067	0.2263364	0.29995575	2.2101984	20	4 30.1	21.4
284168 2005 YU_{151}	17.6	X	246.03483	28.08143	328.40138	3.56038	0.1780865	0.30304496	2.1951524	20	4 26.0	20.8
284169 2005 YX_{159}	17.4	X	172.33707	236.01247	142.09970	3.58371	0.1941160	0.29430273	2.2384111	20	3 19.2	20.9
284170 2005 YZ_{161}	17.0	X	55.03775	188.33315	262.95355	6.07218	0.0592853	0.28095641	2.3087492	20	1 8.5	19.5
284171 2005 YE_{241}	17.4	X	157.41156	250.79730	336.33698	3.13626	0.1303328	0.25316861	2.4747395	20	11 26.4	21.3
284172 2005 YT_{270}	16.9	X	319.68447	188.68383	315.24028	6.32607	0.0697685	0.27096973	2.3651328	20	—	—
284173 2005 YL_{282}	13.3	X	48.51636	50.62105	114.49814	12.14910	0.0664616	0.08460366	5.1389761	20	5 1.3	20.0
284174 2006 AL	16.0	X	2.75156	27.05711	123.87240	14.18866	0.1127833	0.21256766	2.7805962	20	1 20.2	19.3
284175 2006 AP_{15}	17.2	X	149.18487	356.99081	290.15297	3.03706	0.0158624	0.26495106	2.4008164	20	—	—
284176 2006 AH_{29}	17.0	X	347.90032	336.20025	122.19256	12.86928	0.0912504	0.26756446	2.3851577	20	—	—
284177 2006 AT_{30}	17.2	X	146.17936	225.75172	78.57534	3.50482	0.1720681	0.26729343	2.3867698	20	—	—
284178 2006 AM_{40}	18.0	X	114.57532	247.78930	116.93406	4.27427	0.0956076	0.27516719	2.3410191	20	—	—
284179 2006 AO_{48}	16.4	X	92.62682	280.92012	306.98924	11.54505	0.2224207	0.23500422	2.6006722	20	9 25.0	20.8
284180 2006 AR_{48}	17.0	X	140.10700	136.15998	155.05902	3.18969	0.0694336	0.26406707	2.4061713	20	—	—
284181 2006 AT_{56}	17.6	X	141.78381	210.43546	130.55705	2.82806	0.1293072	0.27802232	2.3249642	20	—	—
284182 2006 AS_{72}	16.8	X	350.25452	42.38796	143.71728	4.42981	0.0346315	0.21471249	2.7620477	20	2 22.9	20.2
284183 2006 AB_{73}	18.0	X	156.37306	43.73699	4.14890	2.37658	0.2194206	0.29565252	2.2315930	20	4 11.8	21.3
284184 2006 AX_{80}	13.2	X	269.93698	3.42875	305.29576	16.82807	0.0624190	0.08494865	5.1250533	20	4 9.5	20.3
284185 2006 AH_{87}	16.9	X	28.04987	223.02993	249.78817	6.36961	0.0811077	0.27961325	2.3161368	20	—	—
284186 2006 AZ_{94}	16.9	X	178.87068	85.19157	124.22009	2.28048	0.1241674	0.25566436	2.4586078	20	11 27.9	20.4
284187 2006 AZ_{100}	16.8	X	259.82689	70.71121	285.93011	5.20191	0.2194726	0.30991428	2.1625940	20	5 6.4	19.9
284188 2006 AC_{102}	16.7	X	98.06935	320.58934	340.37753	1.82489	0.1821481	0.25349049	2.4726440	20	—	—
284189 2006 AA_{105}	17.2	X	200.43001	76.92040	127.70072	4.02608	0.0679055	0.25531472	2.4608519	20	12 21.9	20.5
284190 2006 BH_{1}	16.0	X	343.57448	214.67939	311.85190	6.00627	0.0806750	0.20888142	2.8132145	20	1 16.1	19.5
284191 2006 BQ_{3}	17.7	X	149.02892	262.75130	124.75715	3.45553	0.1754469	0.28892557	2.2660982	20	3 8.1	20.9
284192 2006 BR_{12}	13.1	X	183.01147	54.97063	340.34827	10.76118	0.0821166	0.08157444	5.2654235	20	4 21.3	20.5
284193 2006 BK_{13}	16.2	X	54.86793	301.24112	152.30226	9.52698	0.1251254	0.21235048	2.7824918	20	1 30.7	19.5
284194 2006 BC_{24}	16.8	X	70.43821	162.81922	288.47895	8.11081	0.0968810	0.28158812	2.3052949	20	2 4.7	19.2
284195 2006 BH_{25}	16.9	X	172.12896	53.60080	295.03629	11.24979	0.2151938	0.28579035	2.2826413	20	2 9.3	20.7
284196 2006 BR_{31}	16.8	X	98.36641	141.05693	105.08932	4.88390	0.2468384	0.23959153	2.5673697	20	11 1.4	21.1
284197 2006 BW_{95}	16.8	X	192.65867	109.91794	168.82791	3.52834	0.0456926	0.26616254	2.3935257	20	—	—
284198 2006 BB_{115}	16.5	X	127.84084	9.70540	295.54416	3.69312	0.1776284	0.25966771	2.4332725	20	—	—
284199 2006 BU_{116}	16.4	X	93.35835	164.42161	157.61728	5.88605	0.2609074	0.25636440	2.4541300	20	—	—
284200 2006 BM_{128}	17.0	X	6.66556	290.56810	143.53752	8.27628	0.1204129	0.26473867	2.4021002	20	—	—
284201 2006 BB_{182}	17.7	X	106.44252	354.46934	350.11214	3.14566	0.1460432	0.26587538	2.3952488	20	—	—
284202 2006 BC_{182}	17.0	X	116.87288	220.02884	137.84197	7.32864	0.1315289	0.27092471	2.3653948	20	—	—
284203 2006 BK_{184}	16.6	X	215.90684	336.45566	336.52127	5.28042	0.0336217	0.21343827	2.7730297	20	2 15.4	20.5
284204 2006 BM_{192}	13.2	X	279.11270	158.43048	149.65372	18.98302	0.1416360	0.08375133	5.1737832	20	4 22.3	20.3
284205 2006 BF_{194}	16.9	X	53.92311	143.95216	303.89584	6.37198	0.0707687	0.27671279	2.3322936	20	1 4.5	19.2
284206 2006 BA_{196}	17.4	X	151.21039	116.73621	247.04291	2.12439	0.2319333	0.28067530	2.3102905	20	2 12.9	20.9
284207 2006 BO_{200}	16.7	X	214.29558	237.42783	334.73023	5.91412	0.0624908	0.26100844	2.4249326	20	—	—
284208 2006 BD_{203}	16.7	X	125.14878	279.07663	10.96774	2.53459	0.1787066	0.25619829	2.4551907	20	—	—
284209 2006 BL_{219}	16.5	X	83.32172	279.65428	322.09551	13.23679	0.2832055	0.23323233	2.6138272	20	10 8.3	21.0
284210 2006 BV_{219}	17.6	X	57.56982	119.40570	336.57821	2.61151	0.1108968	0.28427183	2.2907630	20	1 23.4	19.5
284211 2006 BU_{237}	16.6	X	117.28222	190.20104	99.72984	5.40085	0.1824100	0.25648955	2.4533317	20	—	—
284212 2006 BF_{248}	16.9	X	97.45756	196.04607	115.14539	3.06862	0.1913010	0.25499752	2.4628922	20	—	—
284213 2006 BR_{252}	17.3	X	150.32006	312.25708	315.00237	4.99173	0.0923122	0.25679841	2.4513641	20	—	—
284214 2006 BT_{262}	17.3	X	203.82328	207.76893	141.13514	7.38836	0.1363178	0.28349522	2.2949447	20	3 11.3	20.8
284215 2006 BY_{269}	16.6	X	175.01174	73.20771	111.60132	12.97098	0.1477443	0.24392184	2.5368936	20	10 26.7	20.8
284216 2006 CD_{8}	16.7	X	50.98719	146.08043	162.95086	10.69200	0.1631222	0.24428968	2.5343464	20	11 25.6	20.4
284217 2006 CG_{18}	13.1	X	349.73226	278.43886	316.89822	17.36251	0.0759985	0.08350415	5.1839885	20	4 22.8	19.9
284218 2006 CZ_{25}	16.8	X	182.30114	122.99238	129.16088	8.18622	0.0931760	0.26184026	2.4197942	20	—	—
284219 2006 CQ_{36}	13.3	X	267.85471	311.05791	353.38961	6.32528	0.0301316	0.08200688	5.2468968	20	4 13.2	20.2
284220 2006 CP_{49}	17.1	X	152.07620	252.42723	322.44224	9.93708	0.1668722	0.24599049	2.5226510	20	10 31.8	21.4
284221 2006 CN_{51}	17.3	X	97.89516	46.52655	301.00316	3.04545	0.0765917	0.26652354	2.3913639	20	—	—
284222 2006 DC_{2}	17.2	X	99.27698	268.65463	335.25465	7.00374	0.1616427	0.23965991	2.5668813	20	10 19.7	21.2
284223 2006 DE_{10}	16.3	X	104.93858	272.48633	1.87731	12.74215	0.1699157	0.24535268	2.5270209	20	12 2.8	20.6
284224 2006 DV_{21}	16.6	X	74.18270	290.58996	7.47097	4.86084	0.1289108	0.24564354	2.5250258	20	11 30.4	20.3
284225 2006 DT_{42}	17.5	X	278.21652	6.75176	151.66192	4.00823	0.0346979	0.26097770	2.4251231	20	—	—
284226 2006 DF_{44}	12.9	X	281.11974	339.89918	329.82797	27.33942	0.0709297	0.08425684	5.1530687	20	4 15.7	20.1
284227 2006 DK_{53}	17.3	X	34.01062	92.01925	331.86826	5.89818	0.1136617	0.26580496	2.3956718	20	—	—
284228 2006 DZ_{53}	17.9	X	106.95287	186.74919	195.21387	1.92332	0.1803801	0.27458740	2.3443133	20	1 11.6	20.6
284229 2006 DJ_{63}	16.8	X	73.49839	63.83949	159.34684	8.94996	0.1922588	0.22803307	2.6534088	20	9 1.2	20.5
284230 2006 DB_{66}	17.4	X	278.90787	40.21432	7.71218	21.60837	0.0845642	0.37905690	1.8908908	20	9 30.3	18.3
284231 2006 DM_{71}	16.5	X	124.89290	166.77558	156.02279	7.92729	0.1758358	0.25965725	2.4333378	20	—	—
284232 2006 DZ_{73}	17.3	X	176.87733	47.22026	146.82576	1.55381	0.1088421	0.24578718	2.5240419	20	11 6.2	21.1
284233 2006 DJ_{87}	17.1	X	104.15083	204.98957	148.94506	6.15178	0.1053283	0.26206913	2.4183852	20	—	—
284234 2006 DE_{112}	17.1	X	86.65092	32.28696	227.42311	2.35340	0.1115754	0.24033880	2.5620452	20	10 24.7	20.8
284235 2006 DK_{113}	16.1	X	172.47199	239.21112	59.46849	3.41224	0.1151598	0.19266157	2.9689712	20	—	—
284236 2006 DZ_{122}	16.5	X	155.89118	321.73514	21.38525	2.14168	0.0738697	0.20297778	2.8675020	20	1 19.7	20.7
284237 2006 DO_{141}	17.0	X	37.60761	255.88069	145.44420	7.22946	0.1357191	0.26214803	2.4178999	20	—	—
284238 2006 DL_{166}	16.1	X	43.24687	183.83336	151.02798	8.61261	0.0716589	0.24687410	2.5166280	20	12 6.1	19.6
284239 2006 DW_{172}	16.9	X	149.35494	216.66329	117.76994	3.34856	0.1875559	0.26573324	2.3961029	20	1 3.9	20.2
284240 2006 DQ_{192}	16.8	X	35.21077	277.31230	52.81141	4.37408	0.0349005	0.24201197	2.5502229	20	11 11.3	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284241 2006 DZ_{212}	16.6	X	300.91774	338.55707	164.13122	5.40684	0.1065273	0.19032682	2.9932022	20	—	—
284242 2006 EO_{9}	17.3	X	67.05294	254.30515	110.71536	2.22093	0.1965767	0.25834117	2.4415951	20	—	—
284243 2006 EJ_{10}	17.5	X	53.53119	142.84300	142.19408	4.42949	0.2003819	0.23525430	2.5988288	20	10 31.8	21.1
284244 2006 ES_{16}	16.9	X	143.31105	61.59218	170.43751	10.64638	0.0622965	0.24415689	2.5352652	20	11 21.2	20.7
284245 2006 EW_{25}	17.0	X	48.02575	129.27599	159.61593	8.08448	0.1895500	0.23845380	2.5755297	20	10 30.1	20.5
284246 2006 ES_{38}	17.3	X	168.72106	31.13088	151.51895	7.18899	0.1644702	0.24226443	2.5484509	20	10 13.5	21.4
284247 2006 EN_{39}	17.6	X	92.24875	106.08688	173.65876	10.00483	0.1610371	0.24214190	2.5493106	20	11 30.8	21.7
284248 2006 ER_{43}	15.8	X	63.76363	134.17540	109.96221	13.95886	0.2224047	0.22698898	2.6615392	20	9 27.8	19.8
284249 2006 EN_{50}	17.2	X	83.81923	190.11333	104.48497	4.28692	0.0484101	0.24710559	2.5150561	20	11 30.4	20.5
284250 2006 FT_{28}	17.3	X	73.51063	52.87265	190.31360	3.15405	0.0932852	0.22878863	2.6475638	20	9 13.4	20.9
284251 2006 FP_{36}	16.6	X	102.71334	75.89145	124.89276	11.17870	0.1625489	0.23082424	2.6319751	20	9 3.5	20.7
284252 2006 FO_{43}	15.8	X	241.31876	21.35926	194.61689	17.20277	0.3202656	0.18769640	3.0211023	20	12 31.1	20.6
284253 2006 FW_{45}	15.6	X	10.54279	191.46014	82.14980	15.27641	0.2316592	0.22205712	2.7008031	20	8 11.7	18.4
284254 2006 GC_{14}	16.7	X	197.99000	70.21290	77.47030	3.83480	0.0918111	0.23830452	2.5766051	20	10 2.8	20.4
284255 2006 GC_{20}	17.1	X	101.28505	190.16360	47.69938	6.38438	0.0447337	0.23441489	2.6050291	20	10 8.1	20.6
284256 2006 GH_{22}	17.2	X	52.93474	141.48161	145.46178	4.54817	0.1358417	0.23198606	2.6231802	20	10 23.9	20.7
284257 2006 GP_{26}	16.7	X	16.17122	224.05153	65.16006	3.21659	0.0645865	0.22599541	2.6693343	20	8 23.1	19.9
284258 2006 GH_{27}	17.1	X	14.14719	225.56426	51.03309	5.10019	0.1727722	0.22124896	2.7073759	20	8 13.9	19.9
284259 2006 GC_{29}	17.1	X	18.86199	224.22541	127.18739	1.24967	0.0455363	0.23924625	2.5698392	20	11 18.4	20.2
284260 2006 GH_{33}	17.0	X	82.33816	206.53121	40.79328	8.25691	0.1291384	0.23188262	2.6239603	20	10 7.5	20.8
284261 2006 GB_{39}	16.1	X	104.58713	70.85850	120.20044	13.82174	0.1444991	0.22698403	2.6615779	20	8 21.3	20.1
284262 2006 GY_{51}	16.0	X	79.02253	311.79149	276.27349	10.69063	0.1927522	0.22785780	2.6547693	20	9 7.9	20.2
284263 2006 HH_{7}	16.8	X	162.37573	82.77110	87.71896	4.66152	0.1734356	0.23598840	2.5934365	20	9 21.9	21.0
284264 2006 HW_{9}	16.9	X	42.00523	135.51645	141.17289	6.99196	0.1579014	0.22796572	2.6539314	20	9 29.0	20.2
284265 2006 HO_{22}	16.5	X	17.83440	166.86092	131.27266	2.62138	0.0741789	0.22803169	2.6534195	20	9 7.7	19.8
284266 2006 HL_{28}	16.1	X	174.29264	87.99552	166.84269	16.19148	0.1990542	0.17549655	3.1595386	20	12 28.0	21.6
284267 2006 HX_{44}	16.2	X	263.87469	143.10833	28.89899	9.17290	0.0531787	0.18639949	3.0350993	20	—	—
284268 2006 HK_{77}	16.4	X	352.03794	117.65205	128.83248	10.01979	0.1678172	0.21035564	2.8000553	20	5 13.3	19.5
284269 2006 HF_{84}	16.2	X	301.86645	85.00065	212.59533	14.14897	0.2930882	0.20648724	2.8349184	20	4 1.3	20.0
284270 2006 HY_{88}	15.5	X	192.98293	4.49165	204.01614	17.14603	0.1720389	0.17519056	3.1632165	20	11 23.7	20.7
284271 2006 HA_{90}	16.6	X	13.62498	163.86663	121.28943	15.89901	0.1774027	0.22091712	2.7100864	20	8 26.9	19.5
284272 2006 HC_{98}	17.0	X	21.77845	257.70650	18.69515	2.75976	0.0236937	0.22378199	2.6869069	20	8 8.6	20.5
284273 2006 HF_{99}	16.8	X	325.46888	114.78347	216.29260	4.31027	0.0510476	0.22178580	2.7030053	20	7 29.3	20.3
284274 2006 HS_{106}	17.0	X	58.61430	87.40766	154.94477	5.35710	0.1054543	0.22466126	2.6798917	20	8 25.4	20.5
284275 2006 JW_{4}	16.6	X	316.29869	215.47607	126.66926	3.05741	0.2333489	0.21803845	2.7338876	20	7 9.2	19.4
284276 2006 JL_{10}	16.9	X	340.66543	308.43774	3.04844	1.21847	0.0839270	0.22009942	2.7167945	20	7 26.3	20.0
284277 2006 JO_{14}	17.0	X	13.85600	217.03187	130.54434	2.38910	0.1812236	0.23301063	2.6154850	20	11 24.6	20.0
284278 2006 JJ_{27}	16.9	X	320.44918	184.96711	234.26277	5.80201	0.1167083	0.24004104	2.5641635	20	11 25.7	19.6
284279 2006 JT_{40}	16.4	X	346.26685	220.83953	134.67480	3.36954	0.2789551	0.22759461	2.6568155	20	10 25.6	18.3
284280 2006 JA_{44}	16.8	X	30.43851	105.51776	177.27312	3.17612	0.1264494	0.22487635	2.6781826	20	9 11.7	19.9
284281 2006 JW_{45}	16.6	X	108.71085	307.02523	293.23143	6.61084	0.1648490	0.23299371	2.6156116	20	10 23.5	20.9
284282 2006 JJ_{48}	15.8	X	243.78899	112.16388	70.68395	17.05565	0.1960660	0.18071211	3.0984504	20	12 10.4	20.2
284283 2006 JJ_{50}	16.6	X	238.72885	241.88943	314.26646	0.35845	0.1508572	0.18266721	3.0763022	20	12 27.7	20.7
284284 2006 JE_{57}	16.2	X	92.32266	80.40971	117.79904	15.41091	0.1673745	0.22491681	2.6778614	20	8 19.7	20.3
284285 2006 KW_{11}	16.1	X	31.45480	255.50710	99.95559	15.31604	0.1429288	0.24028995	2.5623924	20	12 25.2	19.5
284286 2006 KR_{21}	16.6	X	27.44685	203.92466	57.00219	5.51613	0.1154750	0.22183276	2.7026238	20	8 7.5	19.8
284287 2006 KO_{22}	16.0	X	352.27997	152.67542	117.60111	10.97476	0.1322523	0.21336944	2.7736260	20	6 16.4	19.1
284288 2006 KN_{35}	16.6	X	29.54807	198.47534	151.56492	14.07546	0.1703160	0.23363904	2.6107930	20	12 19.1	20.3
284289 2006 KM_{39}	15.8	X	345.15467	78.54870	238.91148	23.63190	0.1627808	0.21978813	2.7193591	20	7 30.7	19.2
284290 2006 KR_{59}	16.9	X	322.58957	199.00314	142.82761	6.62086	0.0706414	0.22140964	2.7060659	20	8 8.8	20.3
284291 2006 KE_{84}	16.7	X	354.20317	203.62844	84.20397	10.22456	0.1433079	0.21773532	2.7364245	20	7 16.6	19.6
284292 2006 KH_{86}	15.9	X	71.29948	124.41528	150.76568	15.17359	0.0506882	0.23224885	2.6212010	20	10 22.6	19.7
284293 2006 KP_{92}	17.2	X	25.13019	106.54121	178.91473	2.71237	0.0842589	0.22359458	2.6884081	20	8 31.6	20.4
284294 2006 KK_{100}	16.0	X	339.05934	275.83526	39.49673	13.47379	0.2062973	0.21822724	2.7323106	20	7 29.1	18.8
284295 2006 KT_{103}	16.3	X	333.83058	224.42525	90.22583	10.14806	0.2168194	0.21518713	2.7579847	20	7 8.8	18.8
284296 2006 KD_{109}	16.9	X	192.74627	165.16436	4.75638	2.69099	0.0909008	0.23914756	2.5705462	20	10 23.0	20.6
284297 2006 KC_{117}	16.6	X	293.18848	159.00603	188.99063	6.00533	0.0322952	0.21764537	2.7371784	20	7 7.4	20.3
284298 2006 KL_{120}	17.0	X	141.32778	11.97755	178.38490	8.58255	0.1297588	0.23022598	2.6365327	20	9 24.1	21.1
284299 2006 KY_{140}	16.6	X	349.70538	53.20408	251.46150	2.17987	0.0769765	0.21935429	2.7229435	20	7 30.7	19.7
284300 2006 KY_{143}	16.4	X	334.70090	151.35869	133.10946	5.08948	0.1697120	0.21138308	2.7909747	20	5 31.0	19.3
284301 2006 OZ_{6}	15.7	X	218.41053	171.22402	142.97573	13.14057	0.1265109	0.18370229	3.0647356	20	2 19.6	20.6
284302 2006 OK_{15}	16.0	X	1.42091	276.25729	22.53528	7.03525	0.3285476	0.21327389	2.7744544	20	9 8.9	17.9
284303 2006 PY_{12}	15.6	X	256.02525	49.73599	301.76283	9.09470	0.1270455	0.19936236	2.9020659	20	5 7.9	20.1
284304 2006 PL_{24}	16.3	X	243.25344	353.51466	332.76305	9.68959	0.1658616	0.19259660	2.9696389	20	3 21.2	21.2
284305 2006 PK_{34}	16.1	X	271.58790	334.47853	329.89947	8.65440	0.0610220	0.19352819	2.9601012	20	4 4.9	20.4
284306 2006 QO_{5}	15.4	X	215.04993	8.13536	355.18713	9.57767	0.0854204	0.19251692	2.9704582	20	4 12.7	19.9
284307 2006 QR_{13}	15.6	X	293.46105	325.43085	310.73954	11.31774	0.1046401	0.19420622	2.9532075	20	3 19.5	19.9
284308 2006 QG_{33}	16.1	X	161.81420	244.21515	139.66866	13.10639	0.1475606	0.18160475	3.0882888	20	3 24.2	21.2
284309 2006 QJ_{40}	18.0	X	122.23327	255.47620	128.44871	24.08694	0.2246345	0.38967710	1.8563768	20	1 22.3	19.2
284310 2006 QO_{49}	16.2	X	225.96269	41.70607	313.48116	14.52643	0.2719334	0.19076825	2.9885830	20	3 29.9	21.8
284311 2006 QA_{57}	16.0	X	13.31122	353.10965	160.57095	6.62282	0.0627406	0.18086079	3.0967521	20	2 16.3	20.0
284312 2006 QB_{57}	16.4	X	243.86849	111.28871	167.86046	1.44188	0.1146082	0.18247636	3.0784467	20	2 2.9	21.0
284313 2006 QF_{99}	15.8	X	190.51938	74.66945	319.48229	7.82644	0.1808355	0.18804864	3.0173284	20	4 23.7	21.0
284314 2006 QJ_{104}	15.8	X	197.81492	178.18991	156.96329	10.65108	0.0009531	0.17927622	3.1149728	20	2 25.1	20.1
284315 2006 QH_{113}	14.7	X	216.58502	317.63820	329.33658	24.70710	0.0131522	0.17582108	3.1556494	20	1 27.2	19.4
284316 2006 QQ_{118}	15.3	X	165.19766	38.32005	320.63977	11.35165	0.1507515	0.17783898	3.1317331	20	2 22.7	20.3
284317 2006 QV_{123}	16.1	X	191.79517	56.30177	321.01423	14.43149	0.2849397	0.18459950	3.0547970	20	4 1.3	21.8
284318 2006 QX_{135}	15.6	X	231.17271	344.26771	316.81805	11.26349	0.1019555	0.18364181	3.0654084	20	2 15.9	20.3
284319 2006 QJ_{142}	16.1	X	200.40779	112.05152	248.17615	2.92242	0.1788206	0.18427851	3.0583434	20	3 25.4	21.2
284320 2006 QK_{142}	14.8	X	180.92288	14.83832	337.28110	11.21137	0.1153421	0.17890636	3.1192644	20	2 28.8	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284321 2006 QF_{161}	15.9	X	155.27597	42.18457	332.74535	7.66228	0.0648556	0.17964126	3.1107515	20	2 27.1	20.5
284322 2006 QP_{164}	15.3	X	191.30706	26.46698	297.94365	14.42342	0.1148768	0.17744619	3.1363529	20	2 4.6	20.3
284323 2006 QV_{164}	15.7	X	184.91429	50.38480	285.77432	7.48040	0.2242401	0.17874980	3.1210855	20	2 14.5	21.1
284324 2006 QM_{166}	15.3	X	185.43935	34.63449	322.82319	16.57319	0.1411546	0.18025474	3.1036894	20	3 6.1	20.4
284325 2006 QO_{170}	16.3	X	221.72182	201.50674	155.98010	9.96948	0.1385686	0.19253528	2.9702694	20	4 15.1	21.1
284326 2006 QG_{182}	16.7	X	204.96474	166.83362	162.86236	3.81110	0.1293105	0.18082772	3.0971296	20	2 24.9	21.6
284327 2006 RY_{1}	16.1	X	170.24319	215.60744	149.61695	11.30327	0.2246151	0.17727838	3.1383318	20	3 11.1	21.5
284328 2006 RD_{7}	15.3	X	236.46751	299.22274	12.88706	16.16823	0.1113784	0.18075177	3.0979971	20	3 10.6	20.2
284329 2006 RE_{12}	15.1	X	220.34631	22.68744	299.31479	9.52489	0.0967809	0.18114945	3.0934615	20	2 27.9	20.0
284330 2006 RY_{12}	15.5	X	134.73866	96.53173	285.93167	9.81227	0.0287008	0.18031613	3.1029849	20	2 7.1	20.0
284331 2006 RU_{14}	15.9	X	77.14737	259.30091	219.43394	10.58135	0.0717111	0.18633018	3.0358519	20	3 31.2	20.2
284332 2006 RQ_{15}	15.3	X	171.18912	37.06303	300.77789	9.53896	0.0708174	0.17579455	3.1559670	20	1 31.7	20.2
284333 2006 RB_{16}	16.0	X	169.02678	340.01042	19.52133	3.47648	0.1775056	0.17855020	3.1234111	20	3 1.5	21.2
284334 2006 RV_{17}	16.1	X	264.84058	87.23926	266.55934	5.91132	0.2433902	0.26781811	2.3836515	20	5 6.6	19.6
284335 2006 RR_{18}	17.5	X	177.36168	292.66022	2.23788	20.22861	0.0830456	0.38232151	1.8801113	20	—	—
284336 2006 RS_{23}	16.2	X	166.43789	152.54030	179.73641	10.48558	0.1311687	0.17545430	3.1600458	20	1 23.2	21.3
284337 2006 RL_{24}	16.0	X	51.71699	243.23925	259.88111	7.70627	0.0644330	0.18690190	3.0296578	20	3 24.6	20.1
284338 2006 RA_{41}	15.8	X	123.68300	180.08681	265.59888	9.91552	0.0341255	0.18884546	3.0088348	20	4 9.6	20.3
284339 2006 RG_{41}	15.5	X	230.52832	265.81338	3.90030	25.20702	0.2446654	0.17806791	3.1290483	20	1 12.3	21.4
284340 2006 RR_{42}	15.8	X	254.99364	94.90552	185.35183	9.39471	0.0043367	0.17683565	3.1435678	20	2 26.1	20.3
284341 2006 RK_{44}	16.0	X	185.36222	310.84246	43.68984	2.46748	0.2334545	0.17938240	3.1137435	20	3 9.8	21.4
284342 2006 RD_{56}	16.4	X	77.90104	270.00188	189.13007	10.95163	0.0697828	0.17466070	3.1696107	20	3 9.2	20.8
284343 2006 RN_{58}	16.3	X	200.91891	178.78566	165.10584	2.05607	0.2044982	0.18162085	3.0881064	20	3 8.2	21.6
284344 2006 RY_{63}	15.7	X	199.17749	4.48475	336.96267	10.64215	0.0922796	0.18242806	3.0789901	20	3 3.8	20.4
284345 2006 RY_{67}	16.2	X	291.65825	40.27293	298.31336	1.33718	0.0789100	0.19921639	2.9034833	20	6 15.8	20.0
284346 2006 RC_{70}	16.0	X	200.91026	136.37948	183.79485	4.64609	0.1120891	0.17759086	3.1346494	20	2 9.7	21.1
284347 2006 RT_{71}	16.5	X	194.61490	139.49439	164.40315	0.53490	0.1461243	0.17391143	3.1787080	20	1 18.2	21.7
284348 2006 RJ_{77}	16.4	X	197.10517	210.22474	133.41887	1.92922	0.1739293	0.18078890	3.0975729	20	3 5.5	21.5
284349 2006 RO_{95}	16.3	X	185.14082	157.73263	205.78365	9.14310	0.1037325	0.17859582	3.1228792	20	3 15.3	21.2
284350 2006 RC_{98}	16.0	X	311.58806	352.34665	20.22118	10.24129	0.2010742	0.20979517	2.8050400	20	8 23.7	19.0
284351 2006 RJ_{98}	15.0	X	216.09670	199.63234	99.65349	11.75331	0.0617216	0.17706845	3.1408119	20	2 3.9	19.8
284352 2006 RF_{121}	14.9	X	194.41596	19.07275	318.51556	16.09609	0.2084432	0.18019060	3.1044259	20	2 22.4	20.2
284353 2006 SU_{42}	16.2	X	248.35617	184.23903	177.73906	11.06645	0.3478565	0.19105624	2.9855789	20	4 27.8	21.5
284354 2006 SK_{60}	15.6	X	171.46997	320.17122	39.86121	10.94119	0.2259342	0.17709858	3.1404557	20	3 9.7	21.1
284355 2006 ST_{62}	15.9	X	212.44969	159.72757	187.48907	7.60643	0.1749417	0.18345914	3.0674428	20	3 21.3	21.1
284356 2006 SU_{67}	16.5	X	203.01518	83.14302	272.65604	1.66903	0.1292689	0.18523442	3.0478126	20	3 23.6	21.3
284357 2006 SA_{78}	16.0	X	206.71819	140.97574	159.59971	11.05767	0.0965601	0.17268266	3.1937695	20	1 24.2	21.0
284358 2006 SX_{86}	16.2	X	193.84756	156.95413	166.50155	1.10579	0.1523294	0.17513747	3.1638556	20	2 8.5	21.4
284359 2006 SF_{116}	15.4	X	194.91614	261.01702	51.35975	25.64156	0.2239714	0.17496011	3.1659935	20	2 5.6	21.3
284360 2006 SV_{120}	15.9	X	192.16609	242.34185	122.29136	8.58267	0.2324304	0.18150781	3.0893884	20	3 28.6	21.4
284361 2006 SP_{126}	15.7	X	153.14997	241.01797	155.13984	13.51666	0.1574769	0.17820618	3.1274296	20	3 30.8	20.8
284362 2006 SM_{128}	15.6	X	150.38137	298.27327	118.44197	15.30511	0.2704549	0.18039940	3.1020300	20	5 1.0	21.3
284363 2006 SY_{133}	15.9	X	203.56845	66.58838	287.96497	9.75954	0.1617508	0.18131611	3.0915655	20	3 18.1	21.2
284364 2006 SY_{145}	16.2	X	211.97766	309.62787	335.95830	0.17333	0.1287250	0.17184099	3.2041896	20	1 12.9	21.2
284365 2006 SP_{153}	15.3	X	194.73172	288.80170	93.00722	10.76184	0.0987169	0.18834577	3.0141542	20	4 21.8	20.1
284366 2006 SM_{154}	15.8	X	148.90822	305.26220	85.17865	5.90387	0.2998612	0.17511027	3.1641833	20	3 29.1	21.4
284367 2006 SD_{183}	16.3	X	175.19368	143.59997	186.82318	0.34691	0.1766662	0.17360324	3.1824689	20	2 1.8	21.4
284368 2006 SU_{183}	16.6	X	181.13310	200.86907	181.62374	0.77725	0.1754359	0.18151242	3.0893361	20	4 5.9	21.7
284369 2006 SZ_{183}	16.3	X	158.93774	256.15752	139.73103	1.93243	0.2554303	0.17843212	3.1247889	20	4 7.1	21.7
284370 2006 SX_{184}	16.2	X	156.42084	311.07389	65.09382	0.92990	0.2073301	0.17529148	3.1620023	20	3 11.2	21.5
284371 2006 SZ_{201}	17.7	X	228.50146	97.03166	19.84926	5.37014	0.1820582	0.27749241	2.3279232	20	9 21.2	20.7
284372 2006 SG_{212}	18.1	X	87.67062	119.86775	208.42879	20.62189	0.0872861	0.36962328	1.9229287	20	—	—
284373 2006 SL_{227}	15.8	X	234.82860	37.66953	264.28503	4.01690	0.1474720	0.18138354	3.0907993	20	2 17.5	20.8
284374 2006 ST_{250}	15.8	X	145.10994	199.43375	201.42074	8.49525	0.0575869	0.17793312	3.1306284	20	3 16.3	20.4
284375 2006 SJ_{285}	15.9	X	223.38785	279.38615	29.84455	6.93166	0.1666016	0.17933521	3.1142896	20	2 19.6	21.1
284376 2006 SP_{286}	15.4	X	127.64118	124.51799	277.48754	15.68084	0.2316004	0.17561293	3.1581425	20	3 9.9	20.8
284377 2006 SE_{291}	17.2	X	33.27407	108.26760	305.62176	16.61734	0.0923273	0.37550932	1.9027814	20	—	—
284378 2006 SL_{291}	15.6	X	165.80014	263.24404	130.67574	26.22594	0.2807353	0.18091388	3.0961462	20	4 18.9	21.5
284379 2006 SN_{315}	16.1	X	176.32443	225.63389	161.80027	3.82146	0.1887348	0.18106257	3.0944509	20	4 8.8	21.3
284380 2006 SJ_{337}	15.5	X	148.93038	216.30307	164.69636	9.18580	0.0909766	0.17525748	3.1624112	20	3 1.3	20.4
284381 2006 SA_{339}	16.2	X	238.16252	253.30957	51.16390	5.66498	0.2422942	0.18375380	3.0641628	20	2 21.8	21.4
284382 2006 SV_{352}	15.9	X	124.39866	150.76545	253.01670	3.89819	0.1747993	0.17277429	3.1926401	20	3 9.9	20.9
284383 2006 SC_{363}	17.5	X	356.18473	248.52054	159.82220	3.32597	0.1411839	0.28940640	2.2635875	20	—	—
284384 2006 SD_{371}	14.9	X	161.82799	306.11431	76.49143	27.96928	0.2123446	0.17698787	3.1417651	20	4 7.8	20.7
284385 2006 SB_{376}	16.3	X	244.67406	113.80123	169.25806	14.07181	0.2397811	0.18048074	3.1010978	20	1 29.8	21.8
284386 2006 SE_{376}	16.0	X	133.92876	225.83952	147.11642	8.46173	0.0970918	0.17084695	3.2166062	20	2 6.1	20.8
284387 2006 SU_{381}	15.7	X	128.85740	228.30688	151.66883	7.57952	0.1100273	0.17103687	3.2142246	20	2 10.4	20.6
284388 2006 SZ_{386}	16.1	X	253.97503	221.05302	58.82345	2.57372	0.0453549	0.17911480	3.1168440	20	2 22.5	20.5
284389 2006 TT_{14}	15.5	X	170.02119	319.74975	7.00506	8.18901	0.0379415	0.16828647	3.2491512	20	1 19.4	20.4
284390 2006 TM_{20}	17.5	X	336.43933	58.92686	234.75845	4.15974	0.0773270	0.27187740	2.3598658	20	6 25.5	19.9
284391 2006 TQ_{23}	15.5	X	221.91158	296.32758	39.59625	17.78901	0.1906377	0.18104685	3.0946300	20	3 23.7	20.8
284392 2006 TE_{37}	16.0	X	185.18003	325.29564	356.64720	0.86713	0.2063830	0.17104987	3.2140618	20	2 1.5	21.3
284393 2006 TQ_{56}	15.9	X	44.35222	247.59507	239.69800	7.95100	0.0450099	0.17458992	3.1704673	20	2 23.5	20.3
284394 2006 TT_{57}	16.0	X	163.43575	179.89412	201.72473	3.03808	0.1813303	0.17793668	3.1305866	20	3 20.8	21.2
284395 2006 TW_{59}	16.2	X	200.45718	26.88488	298.05195	3.23829	0.2535557	0.17555709	3.1588122	20	2 15.0	21.8
284396 2006 TE_{65}	15.6	X	183.45238	243.80808	137.21455	12.08356	0.1059689	0.18515714	3.0486606	20	4 9.4	20.5
284397 2006 TY_{91}	15.7	X	213.26207	279.12435	35.27225	10.06622	0.2213954	0.17512920	3.1639553	20	2 17.6	21.3
284398 2006 TN_{111}	16.0	X	253.28531	151.76001	161.52142	12.69296	0.1011733	0.18292170	3.0734482	20	3 27.3	20.6
284399 2006 UZ_{7}	17.6	X	87.87713	287.88537	81.46250	1.85102	0.1726172	0.30308075	2.1949796	20	—	—
284400 2006 UC_{17}	14.8	X	166.40213	147.00791	291.68242	30.22441	0.3406056	0.17812027	3.1284351	20	6 4.0	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284401 2006 UD_{54}	16.8	X	290.91691	179.05829	241.02594	5.98595	0.0775965	0.28163954	2.3050143	20	10 17.4	19.4
284402 2006 UC_{80}	15.6	X	212.54052	150.21407	191.01898	9.09271	0.0845508	0.17875863	3.1209828	20	3 17.2	20.4
284403 2006 UP_{91}	15.1	X	128.93509	198.10943	250.35790	8.09535	0.0369682	0.18743305	3.0239314	20	4 22.1	19.4
284404 2006 UF_{96}	18.1	X	314.43121	37.58954	96.11080	3.37342	0.1145601	0.29794119	2.2201502	20	—	—
284405 2006 UH_{127}	16.0	X	178.53197	309.33994	8.91069	5.14663	0.1150540	0.16768943	3.2568587	20	1 21.5	21.2
284406 2006 UU_{153}	16.0	X	358.26087	344.99273	211.35121	8.06782	0.0366692	0.18341121	3.0679772	20	3 18.9	20.2
284407 2006 UQ_{156}	15.7	X	240.34397	285.20632	47.98827	11.37421	0.1663343	0.18577541	3.0418928	20	4 3.2	20.6
284408 2006 UV_{183}	17.2	X	21.92862	294.44247	124.02795	23.88395	0.0994906	0.37343813	1.9098105	20	—	—
284409 2006 UP_{191}	16.0	X	204.92172	65.72992	258.23714	14.86135	0.2908609	0.17843795	3.1247209	20	2 11.1	21.9
284410 2006 UF_{200}	17.4	X	111.51426	101.82465	222.83157	20.70222	0.0750031	0.37226221	1.9138302	20	—	—
284411 2006 UU_{202}	15.9	X	173.28592	88.50944	299.04457	9.58183	0.2285366	0.17939619	3.1135839	20	4 1.7	21.4
284412 2006 UY_{222}	15.8	X	126.75969	70.16323	325.33858	5.56647	0.1457078	0.17232462	3.1981918	20	2 29.7	20.7
284413 2006 UH_{228}	15.6	X	176.19843	67.86110	302.37742	6.53777	0.1978869	0.17736750	3.1372805	20	3 16.3	21.0
284414 2006 UC_{230}	15.8	X	188.35666	216.74031	119.06043	5.80918	0.1347024	0.17583121	3.1555282	20	2 18.8	20.9
284415 2006 UZ_{232}	15.6	X	236.64818	352.18044	356.94713	9.09931	0.1507331	0.18537850	3.0462332	20	4 13.4	20.4
284416 2006 UC_{309}	16.3	X	197.81775	120.27237	186.03457	7.35082	0.0972684	0.17564060	3.1578108	20	1 21.7	21.4
284417 2006 UY_{329}	17.9	X	264.91587	270.65895	195.19848	2.98181	0.1375566	0.27857986	2.3218611	20	11 3.3	20.3
284418 2006 VV_{144}	16.9	X	314.34290	200.99531	248.61756	19.00469	0.0849302	0.36124815	1.9525356	20	—	—
284419 2006 WD_{150}	14.7	X	221.27354	227.46278	259.50046	7.63987	0.0820082	0.12683426	3.9232410	20	9 13.8	20.6
284420 2006 XM_{5}	15.4	X	191.55420	295.83370	83.04279	15.42957	0.3291688	0.18269853	3.0759506	20	4 16.8	21.3
284421 2006 XM_{38}	17.5	X	222.75418	96.80373	7.80671	1.26927	0.1452075	0.26546813	2.3976978	20	8 31.1	20.7
284422 2006 YD	17.4	X	39.98070	352.09671	223.37518	7.73204	0.6930741	0.23171573	2.6252200	20	9 19.5	21.7
284423 2007 AR_{17}	16.4	X	326.09210	60.71557	125.88222	25.08153	0.2722250	0.29298577	2.2451138	20	—	—
284424 2007 BO_{36}	17.0	X	143.29603	100.01385	44.22400	3.86969	0.1312301	0.25314586	2.4748877	20	7 31.9	20.7
284425 2007 BG_{68}	17.8	X	194.70061	332.21831	119.94304	2.58525	0.1485483	0.25368500	2.4713800	20	7 13.8	21.5
284426 2007 CT	17.1	X	138.29367	55.50551	137.35612	2.98856	0.1565954	0.25970449	2.4330428	20	9 29.2	20.8
284427 2007 CD_{35}	17.1	X	194.24666	64.92179	37.52907	1.76006	0.1293328	0.25509397	2.4622714	20	7 28.7	20.9
284428 2007 CE_{64}	17.1	X	229.19745	251.01197	140.35949	2.17594	0.2602264	0.25253066	2.4789055	20	5 22.1	21.1
284429 2007 DC_{4}	17.1	X	287.83410	314.65969	281.81694	4.14817	0.1133814	0.29582024	2.2307495	20	1 12.8	19.8
284430 2007 DQ_{10}	17.5	X	84.74227	134.40350	357.27565	5.12850	0.2473301	0.23633788	2.5908791	20	5 22.3	21.0
284431 2007 DB_{30}	17.3	X	293.13367	96.88463	150.83804	5.81485	0.1240690	0.29846420	2.2175558	20	1 31.9	20.3
284432 2007 DV_{38}	17.5	X	253.69266	103.70876	150.31434	4.43382	0.1427960	0.28880585	2.2667244	20	—	—
284433 2007 DU_{52}	13.2	X	300.69489	316.11656	337.46769	10.02557	0.1734069	0.08305939	5.2024775	20	4 17.7	20.0
284434 2007 DQ_{53}	18.0	X	232.35042	281.66599	321.99355	2.47055	0.1685616	0.28224283	2.3017285	20	—	—
284435 2007 DZ_{62}	17.3	X	250.08274	162.19663	117.16056	5.44026	0.1579629	0.29754432	2.2221239	20	1 24.1	20.4
284436 2007 DR_{96}	12.7	X	280.77926	313.49044	349.61009	23.94247	0.0714180	0.08352520	5.1831174	20	4 12.3	19.8
284437 2007 DB_{98}	17.1	X	86.44238	191.80572	348.09636	7.47796	0.1719754	0.24145337	2.5541547	20	7 21.3	20.7
284438 2007 DC_{105}	16.9	X	14.27201	74.65512	181.30569	5.88458	0.0997230	0.24095443	2.5576794	20	7 4.9	19.8
284439 2007 DQ_{114}	17.6	X	244.65370	122.34946	156.52221	3.51145	0.1597668	0.28937381	2.2637575	20	1 18.7	21.1
284440 2007 EF_{9}	17.8	X	217.85775	67.40830	171.59561	6.95946	0.2318744	0.27656574	2.3331203	20	—	—
284441 2007 EN_{37}	17.6	X	130.13834	249.43409	223.06332	1.90144	0.1700123	0.24049170	2.5609591	20	6 7.8	21.6
284442 2007 ES_{40}	13.5	X	94.38871	294.04295	185.99273	9.29125	0.0124290	0.08471501	5.1344721	20	4 23.9	20.3
284443 2007 EE_{51}	13.8	X	334.06953	59.16766	197.33504	10.22038	0.0299762	0.08162338	5.2633187	20	5 8.6	20.6
284444 2007 EZ_{51}	17.3	X	137.19346	292.16403	180.42050	12.17645	0.2271801	0.24413395	2.5354240	20	6 18.6	21.8
284445 2007 EU_{86}	17.1	X	114.84052	167.27348	328.94758	6.31311	0.2491499	0.24225212	2.5485373	20	6 30.9	21.2
284446 2007 EB_{91}	17.0	X	114.97883	330.37285	168.99626	4.40702	0.0533458	0.24056228	2.5604583	20	6 14.0	20.5
284447 2007 ET_{144}	13.6	X	314.67824	131.26694	141.93489	4.82886	0.0809073	0.08370815	5.1755623	20	4 29.6	20.3
284448 2007 EE_{153}	18.2	X	36.34549	60.31002	115.32189	3.76331	0.0989640	0.30597162	2.1811320	20	4 13.4	20.0
284449 2007 EL_{191}	17.7	X	189.59490	255.84664	27.77067	2.41457	0.1870913	0.27774543	2.3265091	20	—	—
284450 2007 EY_{213}	16.5	X	356.19522	289.66989	203.38220	8.05162	0.1521288	0.21177036	2.7875710	20	—	—
284451 2007 ES_{218}	17.1	X	241.45331	156.13617	90.91487	6.55616	0.1572956	0.28363644	2.2941829	20	—	—
284452 2007 EU_{218}	13.9	X	260.01746	24.31968	308.03964	1.67119	0.1552786	0.08383972	5.1701464	20	4 22.1	20.9
284453 2007 EE_{220}	17.6	X	192.20043	123.17901	175.86449	5.61104	0.1219615	0.28146417	2.3059717	20	—	—
284454 2007 EX_{221}	13.4	X	270.21402	152.40297	178.42795	20.80725	0.1058830	0.08486356	5.1284785	20	5 10.3	20.5
284455 2007 FF_{20}	16.9	X	208.48628	122.29614	134.00107	6.11705	0.2446895	0.27505198	2.3416727	20	—	—
284456 2007 FM_{28}	17.0	X	269.22287	343.52566	348.14968	8.84365	0.2336051	0.31005914	2.1619204	20	4 9.2	20.2
284457 2007 FT_{36}	17.4	X	212.87568	239.52453	61.66990	5.94716	0.1505849	0.28736842	2.2742770	20	1 18.9	20.9
284458 2007 GB_{1}	17.6	X	241.56657	123.45051	108.43781	6.26976	0.1498638	0.27881493	2.3205559	20	—	—
284459 2007 GG_{10}	13.5	X	312.50628	110.08580	161.26007	18.95393	0.0606256	0.08215664	5.2405187	20	4 29.6	20.4
284460 2007 GH_{19}	17.6	X	184.06992	14.20724	227.38110	1.56801	0.1651268	0.26733378	2.3865296	20	—	—
284461 2007 GH_{30}	17.1	X	14.15817	202.84179	29.16758	5.64272	0.1378632	0.23195409	2.6234212	20	5 31.6	19.7
284462 2007 GL_{36}	17.6	X	170.01769	175.23734	107.56368	3.40583	0.2270857	0.27107655	2.3645114	20	—	—
284463 2007 GO_{40}	17.5	X	160.39209	223.06406	70.38150	2.42412	0.1825543	0.27073175	2.3665186	20	—	—
284464 2007 GE_{42}	17.4	X	64.85979	186.36256	305.05577	0.64660	0.2259118	0.22695733	2.6617866	20	4 21.7	20.2
284465 2007 GU_{53}	17.5	X	113.15454	314.80690	111.75563	6.08013	0.1350048	0.29270155	2.2465670	20	3 14.9	20.2
284466 2007 GF_{56}	17.6	X	214.06152	228.94763	118.34826	4.51266	0.1466222	0.29611051	2.2292914	20	3 18.6	20.9
284467 2007 GH_{64}	18.1	X	210.20910	37.28269	214.03603	4.39236	0.1234278	0.27454861	2.3445341	20	—	—
284468 2007 GH_{67}	18.0	X	167.68403	39.77775	268.91763	1.28815	0.1921772	0.27426520	2.3461489	20	—	—
284469 2007 GW_{76}	16.9	X	176.43477	319.84946	285.73543	4.88924	0.1843179	0.26568508	2.3963924	20	—	—
284470 2007 HT_{6}	17.1	X	331.38039	78.86360	184.27620	2.55537	0.1279875	0.22977713	2.6399651	20	4 27.4	20.0
284471 2007 HP_{21}	15.9	X	202.70512	123.52416	195.72389	4.10851	0.1358652	0.21018684	2.8015542	20	2 6.8	20.4
284472 2007 HC_{39}	17.8	X	66.90545	300.17076	160.92471	3.34794	0.0681330	0.29206420	2.2498341	20	2 9.3	20.2
284473 2007 HX_{40}	17.4	X	184.13717	197.99326	68.68887	3.38833	0.1962296	0.27135119	2.3629157	20	—	—
284474 2007 HR_{50}	17.0	X	135.20064	272.61561	125.88891	5.53799	0.1100233	0.28995112	2.2607516	20	2 28.9	19.9
284475 2007 HJ_{57}	16.8	X	332.67053	33.23500	159.46003	5.30532	0.0545794	0.21299109	2.7769097	20	2 4.5	20.4
284476 2007 HQ_{59}	17.6	X	189.83780	206.92305	60.76447	2.19534	0.1578077	0.27348402	2.3506145	20	—	—
284477 2007 HG_{86}	17.5	X	156.32392	129.57465	141.68616	4.19781	0.1307474	0.26544721	2.3978239	20	—	—
284478 2007 HK_{88}	17.0	X	173.46455	83.18955	179.81456	2.42325	0.1845597	0.26796928	2.3827549	20	—	—
284479 2007 HB_{98}	17.5	X	202.43363	180.55476	77.97159	4.07799	0.1016197	0.27478969	2.3431626	20	—	—
284480 2007 JT_{1}	17.2	X	167.64240	66.09162	215.83397	2.10311	0.1926834	0.27081100	2.3660569	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284481 2007 JU_3	16.9	X	180.63462	165.57466	129.13507	9.47344	0.1909968	0.27439952	2.3453832	20	—	—
284482 2007 JF_{20}	17.5	X	191.15500	100.73620	175.21390	2.04585	0.2059354	0.27345626	2.3507736	20	—	—
284483 2007 JG_{21}	17.0	X	169.83812	319.00940	284.11787	5.54961	0.1093256	0.26238742	2.4164290	20	—	—
284484 2007 JD_{27}	16.2	X	30.35819	271.17522	181.20229	6.53423	0.0284059	0.20223925	2.8744786	20	—	—
284485 2007 JL_{44}	16.5	X	212.71474	103.17806	123.11685	7.56346	0.0705032	0.26921213	2.3754157	20	—	—
284486 2007 LR_{20}	17.7	X	159.25330	92.32117	162.65675	2.96036	0.1449697	0.26224058	2.4173310	20	—	—
284487 2007 LV_{26}	16.5	X	68.24068	117.69358	261.51674	11.65534	0.2289913	0.25604537	2.4561682	20	—	—
284488 2007 MF_{15}	16.4	X	80.73404	12.42559	239.84178	5.85789	0.2530432	0.24058542	2.5602940	20	10 22.5	20.5
284489 2007 MJ_{16}	17.3	X	92.23687	9.89312	256.58651	5.33115	0.1726958	0.24403174	2.5361319	20	11 13.6	21.3
284490 2007 NZ	17.0	X	55.48021	113.03404	158.97954	12.10252	0.2679522	0.23723118	2.5843711	20	10 28.5	20.9
284491 2007 NQ_2	16.3	X	56.99020	16.72573	299.87972	3.45142	0.1511353	0.24498049	2.5295798	20	12 8.0	19.8
284492 2007 NF_5	16.6	X	79.37016	204.70558	142.36008	7.41325	0.1988882	0.25159454	2.4850506	20	—	—
284493 2007 ND_6	16.4	X	99.87866	318.91667	26.82765	10.74062	0.2844694	0.25651710	2.4531560	20	—	—
284494 2007 OB_1	16.1	X	80.93431	42.53918	308.47387	14.08688	0.1532916	0.25367005	2.4714771	20	—	—
284495 2007 OX_1	16.5	X	41.72048	254.26726	90.93215	6.72014	0.2385468	0.24359458	2.5391652	20	—	—
284496 2007 PD_7	16.5	X	127.17214	35.62620	291.24721	4.33794	0.2260547	0.25933629	2.4353452	20	—	—
284497 2007 PU_8	17.2	X	35.95385	115.07884	240.26004	4.93348	0.1653633	0.24530165	2.5273714	20	—	—
284498 2007 PH_9	16.7	X	347.70601	76.67129	285.14934	8.01825	0.2108204	0.23333923	2.6130289	20	10 27.2	19.3
284499 2007 PS_{14}	16.6	X	101.32036	142.76699	126.36786	13.23392	0.2171228	0.24480228	2.5308073	20	12 1.2	21.0
284500 2007 PE_{15}	17.0	X	66.83393	149.51461	115.83294	6.99277	0.2678974	0.23725586	2.5841918	20	10 30.9	21.0
284501 2007 PU_{18}	17.1	X	38.04102	101.96935	226.55918	1.37314	0.2149493	0.23988027	2.5653091	20	12 9.0	20.4
284502 2007 PV_{24}	15.8	X	272.92411	78.24679	326.82764	13.34926	0.1425848	0.22280260	2.6947752	20	8 11.3	19.1
284503 2007 PD_{26}	17.0	X	130.59544	296.34654	64.30184	3.45013	0.2120417	0.26389373	2.4072249	20	1 21.0	20.4
284504 2007 PM_{26}	16.4	X	156.76127	324.64094	10.95100	6.42411	0.1369023	0.26534060	2.3984661	20	1 9.0	19.9
284505 2007 PU_{32}	16.5	X	125.94262	178.65323	147.62200	7.02670	0.1654355	0.25797221	2.4439225	20	—	—
284506 2007 PO_{33}	16.7	X	22.68093	226.82781	113.70011	4.47474	0.1603057	0.23735020	2.5835070	20	11 26.6	19.9
284507 2007 PP_{37}	16.8	X	344.80782	201.28538	164.10442	11.74007	0.2829269	0.23202777	2.6228658	20	11 11.3	19.0
284508 2007 PX_{38}	17.3	X	30.77958	170.11230	158.00550	4.41056	0.2902467	0.23707262	2.5855233	20	12 10.4	20.8
284509 2007 QU_{12}	16.3	X	322.83632	254.85734	120.27841	10.47066	0.2317169	0.22642912	2.6659246	20	9 23.2	18.6
284510 2007 RM_{15}	16.7	X	15.04929	225.31150	128.94902	8.68953	0.2251473	0.23417630	2.6067982	20	12 13.1	19.9
284511 2007 RZ_{20}	16.9	X	112.89610	357.09627	26.96708	1.59588	0.1918177	0.26287947	2.4134127	20	1 27.4	19.9
284512 2007 RQ_{35}	16.2	X	16.39206	348.17134	317.38065	12.34827	0.0731670	0.22799976	2.6536672	20	9 9.9	19.5
284513 2007 RY_{37}	15.9	X	54.42600	267.02349	14.04649	13.01402	0.1385099	0.23032690	2.6357625	20	10 15.1	19.5
284514 2007 RS_{38}	16.0	X	110.76896	308.70769	5.04380	4.92253	0.2979776	0.17339336	3.1850365	20	—	—
284515 2007 RR_{45}	17.0	X	303.86609	92.56556	302.63637	4.58669	0.0693590	0.22751114	2.6574653	20	9 21.7	20.2
284516 2007 RJ_{48}	16.5	X	329.04501	103.26316	180.19355	4.24075	0.0765874	0.20940027	2.8085655	20	5 28.8	20.0
284517 2007 RO_{64}	16.8	X	290.25604	289.23361	164.84191	6.04758	0.1198276	0.23853380	2.5749537	20	11 22.0	19.7
284518 2007 RY_{66}	16.7	X	342.86553	32.75887	308.83953	1.81452	0.0977197	0.22861343	2.6489162	20	9 11.7	19.6
284519 2007 RD_{80}	16.2	X	196.29035	107.90709	341.39219	6.53876	0.0508210	0.21778537	2.7360052	20	7 16.8	20.2
284520 2007 RB_{96}	16.0	X	294.93616	228.21308	71.44820	3.08301	0.0488472	0.20414798	2.8565335	20	5 4.6	19.7
284521 2007 RN_{96}	16.0	X	270.09657	261.21231	174.41552	11.47213	0.1916377	0.22318695	2.6916805	20	9 8.3	19.2
284522 2007 RT_{97}	17.5	X	5.04158	288.08068	50.23474	3.44937	0.3236068	0.23082795	2.6319468	20	11 19.4	19.9
284523 2007 RM_{113}	16.6	X	6.02725	202.82650	155.37628	14.29385	0.2609349	0.23139998	2.6276076	20	12 10.4	19.8
284524 2007 RH_{120}	16.0	X	301.47560	43.10792	312.81897	14.19137	0.0947156	0.21863245	2.7289336	20	7 24.5	19.3
284525 2007 RP_{123}	17.0	X	339.17596	335.28814	19.72658	3.71614	0.1083839	0.22963893	2.6410241	20	9 26.4	19.9
284526 2007 RN_{135}	16.4	X	284.42276	179.79764	187.59174	4.77199	0.0866235	0.21782979	2.7356332	20	7 13.4	19.9
284527 2007 RU_{137}	16.9	X	356.47840	123.98873	197.85374	4.18225	0.2020023	0.22725440	2.6594665	20	9 15.4	19.3
284528 2007 RQ_{138}	16.7	X	24.06296	302.99694	339.30135	4.81661	0.2191355	0.22712058	2.6605110	20	9 15.1	19.6
284529 2007 RM_{139}	16.5	X	335.71998	27.43107	356.65478	12.40160	0.2975671	0.22911768	2.6450283	20	11 5.8	18.5
284530 2007 RS_{145}	15.8	X	342.50726	11.26257	340.91122	6.81755	0.2394311	0.22587060	2.6703175	20	9 30.7	17.8
284531 2007 RB_{148}	17.0	X	357.13979	241.97571	143.46350	4.91565	0.2192981	0.23575204	2.5951696	20	12 25.1	19.8
284532 2007 RW_{157}	16.3	X	292.05466	290.76916	71.36284	7.32007	0.0679313	0.21903341	2.7256022	20	7 22.5	19.8
284533 2007 RW_{170}	16.8	X	28.13715	109.58918	152.09418	7.67900	0.1347591	0.22265762	2.6959449	20	8 9.5	19.8
284534 2007 RZ_{172}	16.9	X	295.46371	301.38115	60.60437	3.31473	0.0680010	0.21768915	2.7368113	20	7 26.9	20.4
284535 2007 RW_{177}	16.3	X	54.96845	248.25719	27.51497	9.91516	0.1006794	0.22785468	2.6547935	20	10 5.9	19.8
284536 2007 RJ_{189}	16.2	X	291.96366	211.93056	166.96336	5.27648	0.1699743	0.22024207	2.7156213	20	7 27.8	19.5
284537 2007 RT_{199}	16.3	X	152.65515	264.69688	211.87696	3.72989	0.0083588	0.21129189	2.7917777	20	6 26.4	20.2
284538 2007 RA_{204}	17.1	X	327.03288	126.39151	194.59485	13.04794	0.2575282	0.22111772	2.7084470	20	6 26.0	19.8
284539 2007 RV_{204}	17.0	X	25.17082	50.00885	293.29670	2.98253	0.2884018	0.23560275	2.5962658	20	12 21.7	20.3
284540 2007 RA_{217}	17.1	X	347.47740	322.49550	17.89442	3.47439	0.2062090	0.22786601	2.6547055	20	9 25.8	19.4
284541 2007 RD_{218}	16.2	X	157.22763	262.52755	165.95704	2.32811	0.0828020	0.19501422	2.9450445	20	5 5.7	20.6
284542 2007 RF_{244}	16.1	X	354.28932	245.05404	135.63473	6.13333	0.2717955	0.23093844	2.6311073	20	12 20.3	18.6
284543 2007 RC_{250}	16.4	X	345.71600	350.33648	326.08236	8.90154	0.1542330	0.22226228	2.6991408	20	8 12.1	18.9
284544 2007 RC_{252}	16.7	X	292.82079	38.09943	324.85294	4.87861	0.0333403	0.21740757	2.7391739	20	7 28.8	20.3
284545 2007 RV_{270}	16.7	X	270.77405	23.10469	312.74408	5.01205	0.0113794	0.20651695	2.8346466	20	5 24.0	20.6
284546 2007 RX_{277}	16.1	X	357.15777	182.80778	132.98482	15.96521	0.3010083	0.22702226	2.6612791	20	9 28.3	18.4
284547 2007 RK_{278}	15.9	X	310.57505	265.89376	135.47887	12.85740	0.2967739	0.22580485	2.6708359	20	9 24.6	18.1
284548 2007 RL_{279}	16.6	X	15.32316	227.36947	110.66309	14.28891	0.1421781	0.23387022	2.6090722	20	11 13.3	20.0
284549 2007 RJ_{284}	16.6	X	6.13865	249.60214	73.51382	0.80312	0.1104664	0.22817622	2.6522989	20	9 27.7	19.7
284550 2007 RF_{293}	17.2	X	317.73973	292.06916	31.18874	4.40600	0.0726262	0.21532578	2.7568006	20	7 5.9	20.6
284551 2007 RM_{301}	17.3	X	15.74515	61.31147	203.46942	2.68294	0.2258954	0.21969352	2.7201397	20	8 2.6	19.8
284552 2007 RY_{317}	16.6	X	317.51725	214.61700	160.27534	5.61009	0.0783017	0.22457461	2.6805811	20	9 17.1	19.8
284553 2007 RD_{319}	14.8	X	106.03495	290.13731	344.35318	10.87024	0.1606791	0.16126914	3.3427344	20	11 19.3	20.3
284554 2007 RM_{324}	15.7	X	228.57539	266.09904	36.51062	3.13649	0.0631585	0.18130973	3.0916380	20	2 20.1	20.4
284555 2007 SS_9	16.2	X	345.97188	131.79656	140.36480	5.75372	0.1288376	0.21103583	2.7940354	20	6 7.0	19.4
284556 2007 SD_{11}	16.8	X	320.84586	200.50638	185.58800	2.98982	0.1127437	0.22915624	2.6447315	20	10 7.4	19.7
284557 2007 SA_{13}	17.0	X	325.82983	48.81425	318.24922	4.23085	0.1893742	0.22514993	2.6760127	20	9 12.9	19.4
284558 2007 SZ_{21}	16.0	X	250.96488	264.53442	173.56856	14.75392	0.1347398	0.22014843	2.7163912	20	8 24.2	19.9
284559 2007 TD_3	16.7	X	356.51822	310.53791	272.22517	1.39467	0.0658213	0.19747846	2.9204934	20	4 18.6	20.4
284560 2007 TN_6	15.1	X	212.89810	3.22432	268.62004	9.90492	0.0547633	0.18070903	3.0984855	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284561 2007 TN_{30}	16.4	X	331.53080	358.45763	322.78512	5.60123	0.1449559	0.21957099	2.7211516	20	7 21.3	19.1
284562 2007 TH_{32}	17.4	X	35.93811	306.61324	358.59360	4.02002	0.2189529	0.23401087	2.6080267	20	11 4.5	20.8
284563 2007 TR_{35}	16.7	X	30.80408	279.26567	64.94450	11.96818	0.3144532	0.23439477	2.6051782	20	—	—
284564 2007 TV_{45}	15.8	X	343.35387	304.52262	49.19079	12.29001	0.1117281	0.22294779	2.6936052	20	10 5.7	18.9
284565 2007 TR_{46}	16.4	X	242.88476	150.17195	251.07733	3.31559	0.0691633	0.21135986	2.7911791	20	7 6.2	20.3
284566 2007 TJ_{50}	16.6	X	291.47838	306.83305	349.08912	1.94640	0.0787002	0.20164761	2.8800984	20	4 19.5	20.6
284567 2007 TH_{52}	16.4	X	224.00587	51.19026	339.97055	1.18657	0.0781489	0.20449400	2.8533103	20	5 30.3	20.7
284568 2007 TH_{54}	15.6	X	332.54044	285.68841	31.70441	16.01510	0.2233122	0.21705636	2.7421279	20	7 12.4	18.5
284569 2007 TD_{55}	16.6	X	272.78000	66.21988	233.66140	4.79442	0.0619168	0.19584004	2.9367595	20	4 2.7	20.7
284570 2007 TR_{55}	16.4	X	237.58373	69.07002	304.04837	1.09316	0.0849274	0.20380533	2.8597343	20	5 22.0	20.4
284571 2007 TR_{56}	16.6	X	291.03542	299.37565	20.34844	2.67071	0.0790572	0.20463027	2.8520434	20	5 20.1	20.5
284572 2007 TE_{57}	16.8	X	196.21912	182.65481	213.24167	3.25757	0.0641873	0.19861548	2.9093367	20	5 6.4	21.1
284573 2007 TP_{60}	16.3	X	348.84314	96.67581	199.93575	5.59816	0.1207617	0.22056823	2.7129435	20	7 17.0	19.4
284574 2007 TN_{67}	16.7	X	0.86945	138.74339	161.97546	5.98545	0.3033070	0.22298148	2.6933338	20	9 5.8	18.5
284575 2007 TC_{71}	16.1	X	325.72488	52.26402	340.91640	12.32800	0.1718123	0.22703288	2.6611961	20	10 18.7	18.8
284576 2007 TD_{92}	16.6	X	1.21620	231.27642	134.54573	5.57938	0.2714782	0.23168321	2.6254657	20	12 12.9	19.3
284577 2007 TQ_{94}	16.4	X	262.70731	354.01690	54.97557	5.94988	0.1211900	0.21681388	2.7441720	20	8 6.4	20.2
284578 2007 TH_{100}	16.6	X	64.31553	65.36306	124.29325	2.97599	0.0151362	0.20661468	2.8337526	20	6 8.1	20.5
284579 2007 TT_{102}	15.7	X	15.49558	286.14633	190.99321	5.38518	0.1530150	0.17189177	3.2035585	20	1 4.2	19.4
284580 2007 TX_{104}	16.7	X	238.62950	267.35507	78.06405	3.13562	0.1010217	0.19776726	2.9176495	20	4 18.2	21.1
284581 2007 TK_{132}	17.3	X	318.45638	173.28552	180.74081	2.61086	0.1993630	0.21908206	2.7251987	20	8 5.7	20.0
284582 2007 TY_{139}	16.4	X	328.98801	54.98448	290.61659	7.84828	0.2052774	0.22001991	2.7174489	20	8 14.4	18.9
284583 2007 TQ_{148}	16.4	X	8.02641	253.66999	130.98408	5.49021	0.2906538	0.23301041	2.6154866	20	—	—
284584 2007 TR_{152}	16.4	X	316.58147	80.85845	269.11760	3.75104	0.1242818	0.21984319	2.7189050	20	8 4.3	19.5
284585 2007 TX_{176}	16.5	X	290.72357	117.20796	191.86695	5.86933	0.0497630	0.20229254	2.8739738	20	5 11.7	20.3
284586 2007 TR_{182}	16.0	X	347.52309	239.68800	150.15395	9.11317	0.2316930	0.23163542	2.6258268	20	12 14.4	18.6
284587 2007 TD_{186}	16.4	X	325.29950	158.03600	177.66437	11.20330	0.1970096	0.21955424	2.7212900	20	7 22.2	19.2
284588 2007 TD_{193}	17.4	X	314.65046	298.22106	64.74245	3.03060	0.2020570	0.21925177	2.7237922	20	8 13.2	20.0
284589 2007 TJ_{193}	15.8	X	198.64914	128.38404	217.39675	10.05488	0.0680299	0.18819984	3.0157122	20	3 5.5	20.5
284590 2007 TL_{195}	16.7	X	233.21904	1.29378	11.34719	1.94554	0.0848548	0.20339905	2.8635412	20	5 16.2	20.9
284591 2007 TT_{199}	16.7	X	0.31405	250.53725	21.07568	9.35877	0.1687120	0.21303648	2.7765152	20	7 5.6	19.7
284592 2007 TM_{216}	16.6	X	28.47703	120.43748	239.88970	3.39331	0.2119096	0.23482397	2.6020028	20	—	—
284593 2007 TG_{241}	16.6	X	332.26518	136.12763	211.22204	7.49182	0.1198796	0.21974557	2.7197102	20	8 27.8	19.8
284594 2007 TY_{273}	16.7	X	336.32256	326.25181	3.48256	5.03718	0.0840155	0.21939381	2.7226165	20	8 15.5	19.9
284595 2007 TJ_{283}	16.8	X	8.44233	113.18608	170.78476	4.12549	0.2634005	0.22170990	2.7036221	20	8 22.1	18.9
284596 2007 TX_{321}	16.5	X	310.23542	46.85595	309.08548	6.10083	0.1658057	0.21969697	2.7201113	20	7 28.5	19.5
284597 2007 TP_{343}	16.5	X	270.86985	257.92733	104.69997	4.60576	0.1114744	0.20943148	2.8082865	20	6 14.9	20.3
284598 2007 TN_{372}	16.6	X	33.63001	66.00108	259.15917	17.74172	0.2414912	0.23324563	2.6137279	20	12 1.7	20.1
284599 2007 TE_{382}	15.6	X	253.97030	226.99778	89.11649	11.15211	0.0834291	0.19294161	2.9660977	20	4 5.7	20.1
284600 2007 TB_{414}	15.8	X	184.32974	243.17790	146.80025	12.52097	0.0732538	0.19805924	2.9147813	20	4 20.1	20.4
284601 2007 TH_{418}	16.3	X	161.95690	83.40758	332.36940	1.14968	0.0942719	0.19578404	2.9373195	20	4 24.3	20.7
284602 2007 TJ_{418}	17.1	X	236.28080	342.90375	1.60385	1.56987	0.0619664	0.19838851	2.9115553	20	4 16.6	21.3
284603 2007 TL_{418}	16.5	X	270.11081	307.68857	54.01383	2.86893	0.1235270	0.20929331	2.8095223	20	6 10.5	20.2
284604 2007 TC_{423}	16.6	X	156.19138	258.01630	228.68003	2.51066	0.0406777	0.21075765	2.7964935	20	7 15.5	20.6
284605 2007 TX_{426}	15.6	X	180.37811	85.58159	280.09946	7.34529	0.0702205	0.18794372	3.0184513	20	3 9.8	20.3
284606 2007 TJ_{427}	15.8	X	302.30284	231.07538	88.72448	7.87542	0.0491989	0.20831488	2.8183127	20	6 10.3	19.3
284607 2007 TG_{429}	16.7	X	312.13343	292.63568	1.58156	1.68911	0.0219493	0.20234764	2.8734521	20	5 23.6	20.5
284608 2007 TE_{443}	16.3	X	279.08615	280.67698	88.58110	7.57146	0.0767853	0.21162070	2.7888851	20	7 10.6	19.9
284609 2007 TH_{444}	16.8	X	328.91723	53.09698	264.93330	4.06050	0.1612323	0.21787592	2.7352471	20	7 8.3	19.7
284610 2007 TP_{449}	15.6	X	255.29582	174.88664	151.23296	12.40832	0.0433925	0.19735268	2.9217342	20	4 22.6	19.9
284611 2007 UR_{5}	15.4	X	322.48484	264.15641	64.06813	25.36832	0.1564438	0.21171102	2.7880918	20	7 10.6	18.9
284612 2007 UF_{29}	16.9	X	284.11025	328.75746	52.52612	2.69995	0.0889757	0.21724905	2.7405063	20	8 2.6	20.3
284613 2007 UC_{60}	16.5	X	222.39426	74.41570	296.82021	0.95511	0.1159694	0.19871544	2.9083610	20	4 30.4	21.1
284614 2007 UW_{65}	16.8	X	307.63184	29.34416	339.59593	2.88490	0.2008261	0.21903211	2.7256130	20	8 7.0	19.7
284615 2007 UC_{66}	16.5	X	257.43074	41.30187	296.05471	1.02990	0.0709123	0.20215469	2.8752801	20	5 1.2	20.4
284616 2007 UD_{72}	16.7	X	249.76319	335.80539	10.34942	1.95968	0.0981165	0.20191669	2.8775391	20	4 29.9	21.0
284617 2007 UL_{96}	16.3	X	270.14741	52.57933	234.79783	7.10334	0.0598601	0.18960880	3.0007539	20	3 14.3	20.7
284618 2007 UR_{98}	16.3	X	297.82298	270.65523	60.34519	2.77687	0.1292437	0.20657757	2.8340920	20	6 6.8	19.9
284619 2007 UX_{123}	16.6	X	321.22627	219.52856	135.16546	10.00061	0.2570928	0.22025951	2.7154779	20	8 6.5	18.9
284620 2007 UW_{126}	16.4	X	252.54876	237.46496	68.31304	7.05914	0.0877607	0.19025128	2.9939945	20	3 19.9	20.9
284621 2007 UU_{130}	16.4	X	201.50413	301.58921	82.05949	3.85337	0.1182090	0.19551280	2.9400355	20	4 26.5	21.0
284622 2007 VN_{47}	16.2	X	187.51116	158.82162	250.40528	10.91907	0.0490450	0.19775536	2.9177666	20	5 12.8	20.4
284623 2007 VF_{52}	16.7	X	58.45390	296.70230	11.08107	4.42579	0.2529758	0.23163594	2.6258228	20	12 7.4	20.7
284624 2007 VH_{85}	15.7	X	333.17507	338.90059	353.67167	9.41758	0.1958334	0.22016788	2.7162313	20	8 10.6	18.2
284625 2007 VS_{106}	16.4	X	249.86894	269.89083	26.43501	1.86848	0.0796191	0.18767260	3.0213577	20	3 3.7	20.7
284626 2007 VR_{153}	16.6	X	7.32051	83.78926	221.01909	4.58269	0.0466427	0.21988985	2.7185204	20	8 24.9	20.1
284627 2007 VP_{162}	16.1	X	107.12037	48.14563	13.38235	2.50109	0.0826149	0.18073378	3.0982027	20	3 2.9	20.3
284628 2007 VL_{176}	17.1	X	226.23393	17.04033	25.91428	4.62598	0.0723453	0.21047514	2.7989953	20	6 17.8	21.2
284629 2007 VU_{180}	16.5	X	321.28263	304.72165	48.83961	9.60342	0.1337117	0.21830653	2.7316491	20	8 23.8	19.7
284630 2007 VO_{186}	16.5	X	349.32648	286.10997	55.16513	12.92323	0.1994870	0.22172777	2.7034769	20	10 5.8	19.2
284631 2007 VF_{217}	16.6	X	242.28170	37.47036	287.39552	1.13524	0.0870157	0.19076241	2.9886440	20	3 27.8	21.1
284632 2007 VK_{227}	15.5	X	86.85218	11.64192	76.38428	6.59812	0.1301579	0.18160653	3.0882687	20	3 19.9	19.8
284633 2007 VS_{265}	15.9	X	89.40631	202.59382	254.38744	3.84786	0.1259524	0.18194372	3.0844519	20	3 28.3	20.2
284634 2007 VK_{267}	14.6	X	153.57076	229.12521	318.82089	8.18307	0.1291612	0.12653755	3.9293715	20	9 18.5	20.7
284635 2007 VY_{267}	16.1	X	291.01468	176.72633	160.78429	7.46821	0.1297494	0.20980425	2.8049591	20	6 6.8	19.9
284636 2007 VQ_{278}	15.6	X	213.29714	45.42737	237.97443	26.08617	0.0748997	0.17605340	3.1528727	20	1 5.8	20.8
284637 2007 VO_{303}	16.2	X	39.00384	13.52019	319.86364	12.56304	0.1462188	0.23222992	2.6213435	20	12 3.3	20.0
284638 2007 VR_{321}	15.3	X	344.80575	68.19257	80.22463	11.90958	0.0855613	0.17104257	3.2141532	20	1 1.7	19.6
284639 2007 VB_{323}	15.0	X	210.77497	58.28251	261.36922	14.66111	0.0735355	0.18411704	3.0601312	20	2 13.1	19.9
284640 2007 VM_{323}	15.5	X	259.95599	78.23065	280.41154	11.47538	0.1458605	0.20359909	2.8616652	20	5 20.8	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284641 2007 VM_{325}	16.0	X	231.03223	49.85548	279.64182	9.14045	0.1036748	0.19005959	2.9960072	20	3 16.1	20.8
284642 2007 VU_{325}	15.4	X	200.31098	338.88882	34.50891	11.11983	0.1055921	0.19131307	2.9829064	20	4 13.4	20.0
284643 2007 VD_{326}	16.2	X	126.84417	98.07341	341.43971	8.28333	0.0934775	0.18945897	3.0023358	20	4 13.4	20.7
284644 2007 VZ_{333}	15.3	X	120.22985	277.19228	93.42408	13.61236	0.0469460	0.17176358	3.2051523	20	1 13.6	19.8
284645 2007 VN_{334}	15.8	X	165.32934	224.73094	203.89518	2.94550	0.2234626	0.19297618	2.9657435	20	5 18.6	20.9
284646 2007 WL_{9}	16.6	X	330.99480	7.59023	304.58384	6.87478	0.1560471	0.21260803	2.7802442	20	7 4.8	19.5
284647 2007 WG_{27}	15.2	X	189.67764	67.31179	274.01834	9.19081	0.0737652	0.18091409	3.0961438	20	2 20.0	20.1
284648 2007 WK_{59}	16.6	X	300.78859	262.54446	141.06466	7.33307	0.1491577	0.20857555	2.8159641	20	9 20.6	19.8
284649 2007 WO_{63}	15.9	X	294.67488	86.00849	276.76527	16.01829	0.2065437	0.21322249	2.7749002	20	7 3.3	19.2
284650 2007 XK_{1}	15.6	X	288.63506	359.05514	233.92476	6.88831	0.0046870	0.17957875	3.1114733	20	2 8.1	20.1
284651 2007 XO_{6}	15.7	X	97.63870	359.02202	74.58254	6.40169	0.0842426	0.17845956	3.1244687	20	3 9.3	20.1
284652 2007 XE_{28}	14.8	X	128.86754	102.99747	305.85771	14.74227	0.1345286	0.17747096	3.1360611	20	3 10.9	19.8
284653 2007 YO_{3}	16.5	X	269.75483	310.51855	74.53333	7.02157	0.1980877	0.20915259	2.8107823	20	6 30.2	20.3
284654 2007 YE_{40}	14.9	X	102.09053	116.55236	294.16095	13.13901	0.1238700	0.17175815	3.2052198	20	2 14.9	19.6
284655 2007 YU_{47}	15.4	X	89.56724	208.01816	245.61366	7.80685	0.0519959	0.18019248	3.1044042	20	3 12.0	19.8
284656 2008 AB_{20}	16.2	X	140.30857	148.37070	295.47792	14.72476	0.1979555	0.18456861	3.0551380	20	5 11.3	21.4
284657 2008 AM_{32}	15.4	X	175.45673	72.56468	293.21648	25.23114	0.2181244	0.17918451	3.1160355	20	2 29.6	21.2
284658 2008 AZ_{103}	15.6	X	193.69044	240.54257	106.28345	12.88701	0.2213744	0.17878404	3.1206871	20	3 10.9	21.1
284659 2008 BO_{6}	15.6	X	236.63139	216.21625	134.03141	16.28832	0.0605850	0.18226670	3.0808070	20	5 1.6	20.4
284660 2008 BQ_{32}	15.3	X	121.16417	287.22053	125.73692	26.65174	0.2324753	0.17428825	3.1741246	20	4 2.9	20.8
284661 2008 CK_{20}	15.1	X	180.67304	44.66633	4.42353	9.60825	0.0917423	0.17847044	3.1243417	20	5 3.4	20.0
284662 2008 CE_{28}	15.7	X	58.68416	18.75533	18.09489	4.60439	0.1409085	0.15344283	3.4554530	20	—	—
284663 2008 FD_{63}	13.5	X	229.76192	256.12637	82.59568	10.27519	0.0955656	0.08111090	5.2854654	20	4 11.1	20.9
284664 2008 FW_{132}	13.6	X	287.85604	75.42502	231.30083	5.26575	0.0689093	0.08536762	5.1082709	20	5 4.7	20.3
284665 2008 FW_{134}	13.5	X	231.96928	218.60415	142.47244	9.07161	0.1313559	0.08299038	5.2053614	20	5 3.4	20.9
284666 2008 GP_{42}	12.9	X	254.51823	241.31127	94.73969	7.45094	0.0512035	0.08336630	5.1897013	20	5 5.3	19.9
284667 2008 GJ_{74}	13.5	X	269.08769	230.29385	95.91639	10.61277	0.0822310	0.08408371	5.1601397	20	5 7.3	20.5
284668 2008 JA_{23}	16.6	X	167.22878	181.81546	156.27357	7.34329	0.1312279	0.22294305	2.6936433	20	1 26.0	20.8
284669 2008 OQ_{24}	16.3	X	171.69777	185.41694	164.85513	4.00440	0.1051707	0.21300670	2.7767741	20	2 13.8	20.5
284670 2008 QG_{5}	17.2	X	118.82637	56.36105	351.05851	4.42469	0.1324161	0.28876613	2.2669323	20	2 22.9	19.8
284671 2008 QG_{14}	18.6	X	232.83845	159.03537	206.83958	0.94289	0.1671740	0.31013423	2.1615714	20	4 27.3	21.7
284672 2008 QA_{44}	15.4	X	74.32199	18.24296	321.59710	9.49008	0.0980392	0.18109149	3.0941215	20	—	—
284673 2008 RC_{11}	16.6	X	7.78534	115.33182	164.96643	12.46634	0.2452077	0.24256121	2.5463718	20	8 14.7	18.7
284674 2008 RV_{46}	17.4	X	150.29846	29.87205	1.39177	4.38796	0.0925654	0.29257286	2.2472257	20	3 5.3	20.2
284675 2008 RA_{70}	17.5	X	276.75846	333.12382	324.55021	5.21488	0.1162602	0.30751225	2.1738410	20	3 18.7	20.3
284676 2008 RX_{89}	17.7	X	131.75494	160.63866	229.86157	4.63601	0.0983168	0.28812357	2.2703014	20	2 8.8	20.7
284677 2008 RQ_{95}	17.8	X	200.52570	199.23956	173.48256	6.48963	0.1180416	0.30449548	2.1881755	20	4 6.3	20.8
284678 2008 RN_{97}	16.0	X	357.56357	256.48324	87.09231	6.34075	0.0710044	0.24180593	2.5516714	20	10 14.2	19.0
284679 2008 RA_{103}	17.7	X	78.11477	91.75071	347.37672	5.48341	0.1326556	0.28437407	2.2902139	20	2 7.9	19.9
284680 2008 RP_{120}	16.6	X	137.72294	61.66185	216.70878	5.47135	0.1033925	0.25639717	2.4539209	20	—	—
284681 2008 RN_{123}	16.6	X	208.33459	98.46872	179.63408	1.67406	0.0313158	0.19971608	2.8986383	20	—	—
284682 2008 RJ_{134}	16.9	X	153.53615	291.85719	115.43797	8.74644	0.1483585	0.29655033	2.2270866	20	4 8.3	20.2
284683 2008 SX_{4}	17.2	X	228.43584	171.44437	132.49499	6.23904	0.1798282	0.29609762	2.2293561	20	2 3.2	20.5
284684 2008 SS_{6}	17.5	X	147.77301	264.61131	116.35823	3.61170	0.1416347	0.29014033	2.2597687	20	2 23.6	20.5
284685 2008 SY_{28}	17.5	X	69.76248	112.90499	343.58257	5.69085	0.1105203	0.28698098	2.2763235	20	2 15.1	19.6
284686 2008 SU_{31}	17.3	X	277.62089	25.77724	248.48726	5.08028	0.0858150	0.29780945	2.2208049	20	2 20.9	20.3
284687 2008 SF_{32}	18.1	X	307.04676	40.36390	243.48827	5.07248	0.1981769	0.31072956	2.1588096	20	3 26.5	20.5
284688 2008 SS_{32}	17.6	X	220.84345	328.53956	281.47984	4.67128	0.1278336	0.27977457	2.3152464	20	—	—
284689 2008 SO_{45}	16.8	X	250.42632	204.26473	23.65867	7.65389	0.0571473	0.27746760	2.3280619	20	—	—
284690 2008 SR_{64}	18.0	X	285.71692	247.96572	5.29331	4.53272	0.1306146	0.29953252	2.2122799	20	1 31.6	21.0
284691 2008 SY_{71}	17.1	X	211.61994	337.77960	22.35448	7.49525	0.1994740	0.29831320	2.2183041	20	3 30.6	20.7
284692 2008 SO_{89}	17.8	X	144.20669	45.36347	347.27850	6.62014	0.0899063	0.29241523	2.2480332	20	2 28.3	20.7
284693 2008 SR_{89}	17.6	X	192.31482	6.26243	322.61274	2.83735	0.0479030	0.29042323	2.2583009	20	1 28.3	20.5
284694 2008 SU_{96}	16.5	X	203.91246	313.17766	243.37167	3.90819	0.1662063	0.25807963	2.4432443	20	12 3.9	20.0
284695 2008 SJ_{136}	17.3	X	201.63581	1.19914	251.74703	4.44240	0.1956127	0.27603076	2.3361339	20	—	—
284696 2008 SL_{158}	17.2	X	253.43169	325.14635	340.14764	3.90789	0.1551545	0.30199725	2.2002265	20	2 29.3	20.4
284697 2008 SA_{174}	16.8	X	337.82041	235.01988	270.52385	10.34165	0.0454674	0.28051415	2.3111752	20	—	—
284698 2008 SB_{187}	17.8	X	193.88642	137.26528	223.46006	4.74236	0.1686041	0.29648973	2.2273901	20	3 12.7	21.2
284699 2008 SY_{267}	17.5	X	55.30850	241.35433	187.97378	5.19028	0.1098824	0.27289413	2.3540007	20	—	—
284700 2008 SF_{271}	17.3	X	170.16937	269.14791	95.77050	6.22593	0.1312654	0.29140231	2.2532397	20	2 27.2	20.5
284701 2008 SO_{277}	16.7	X	197.63477	51.93019	156.62629	10.07326	0.1046854	0.25819194	2.4425358	20	12 20.0	20.2
284702 2008 SX_{280}	16.5	X	281.75539	277.89394	169.11316	5.50676	0.1491654	0.24185140	2.5513516	20	10 25.7	19.3
284703 2008 SJ_{281}	16.3	X	74.94341	101.67259	221.08142	3.44392	0.1269743	0.25312661	2.4750131	20	—	—
284704 2008 SO_{282}	17.1	X	134.67191	255.24906	351.20656	1.58920	0.1849628	0.25452736	2.4659243	20	11 28.9	21.0
284705 2008 SX_{298}	18.0	X	260.26141	188.77013	133.87318	4.22269	0.1747663	0.30591181	2.1814163	20	3 30.2	21.1
284706 2008 SY_{301}	18.1	X	161.61608	296.67869	79.55777	4.01763	0.1753042	0.29142868	2.2531037	20	3 6.9	21.4
284707 2008 TA_{22}	17.9	X	162.83109	87.82885	244.04175	0.82103	0.1160665	0.28052717	2.3111037	20	1 5.1	20.9
284708 2008 TB_{70}	17.2	X	114.56359	241.51433	86.52670	3.45840	0.0354394	0.26739966	2.3861376	20	—	—
284709 2008 TK_{90}	17.7	X	213.43280	278.47277	50.83144	4.23603	0.2011587	0.29389933	2.2404589	20	2 23.7	21.3
284710 2008 TH_{105}	17.5	X	172.93239	139.96286	216.60348	5.28091	0.1673623	0.29005344	2.2602200	20	2 17.0	21.0
284711 2008 TL_{120}	17.8	X	210.60996	301.28413	66.26040	3.58696	0.2430987	0.30259809	2.1973130	20	4 7.4	21.5
284712 2008 TE_{124}	17.7	X	225.70273	328.86701	329.23180	4.10056	0.1710439	0.29302516	2.2449126	20	1 25.6	21.1
284713 2008 TC_{133}	17.5	X	197.67695	309.89557	332.61553	4.45778	0.1207299	0.27920446	2.3183970	20	—	—
284714 2008 TL_{134}	17.0	X	170.16906	34.55849	234.73971	5.64951	0.1056170	0.26859315	2.3790638	20	—	—
284715 2008 TR_{139}	17.7	X	181.88195	303.72030	324.10871	1.89642	0.1869776	0.27303992	2.3531627	20	—	—
284716 2008 TM_{150}	17.8	X	280.80455	241.89200	34.56462	4.98239	0.1510258	0.30146354	2.2028226	20	2 23.9	20.7
284717 2008 TE_{166}	18.4	X	188.46844	214.15379	150.36478	2.69665	0.1887036	0.29363670	2.2417946	20	3 15.7	21.8
284718 2008 TO_{181}	17.4	X	241.53716	332.20026	333.66771	3.07748	0.1771606	0.29816682	2.2190300	20	2 17.5	20.8
284719 2008 TK_{186}	16.9	X	107.31435	62.27187	144.52222	5.17255	0.1267785	0.23272279	2.6176411	20	9 11.3	20.7
284720 2008 UV_{23}	15.9	X	204.01376	260.45732	303.52233	3.60086	0.0938766	0.17709874	3.1404537	20	12 4.4	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284721 2008 UW_{25}	17.1	X	197.93069	34.45892	188.69547	0.97339	0.1374777	0.26522416	2.3991680	20	—	—
284722 2008 UT_{33}	18.0	X	211.74715	184.65308	126.06364	1.75803	0.1465482	0.29040576	2.2583915	20	1 28.4	21.4
284723 2008 UC_{39}	16.5	X	213.17416	132.93218	8.16495	2.66129	0.0988310	0.23956408	2.5675658	20	10 8.9	19.9
284724 2008 UL_{55}	17.3	X	254.17011	3.27258	184.90665	1.05777	0.1220095	0.26933825	2.3746742	20	—	—
284725 2008 UT_{77}	17.6	X	175.01101	289.62561	51.74546	5.98138	0.1873577	0.28327260	2.2961469	20	2 6.3	21.2
284726 2008 UE_{111}	17.8	X	121.60055	111.33307	284.65338	3.60247	0.1212143	0.28313292	2.2969020	20	2 8.3	20.7
284727 2008 UG_{119}	16.6	X	109.74717	225.27599	9.33115	5.91826	0.1496195	0.24100969	2.5572885	20	10 19.7	20.5
284728 2008 UE_{127}	17.4	X	141.95675	252.77122	51.41204	2.07953	0.1845859	0.26619618	2.3933240	20	—	—
284729 2008 UX_{129}	17.3	X	210.37738	265.59451	25.41455	7.45323	0.1143853	0.28257320	2.2999342	20	1 3.5	20.7
284730 2008 UY_{138}	17.7	X	161.86431	71.99674	215.75642	1.04091	0.1299364	0.26888688	2.3773309	20	—	—
284731 2008 US_{141}	17.6	X	170.63561	246.63455	54.95162	3.48112	0.1850017	0.27533486	2.3400685	20	—	—
284732 2008 UY_{144}	17.3	X	148.03580	75.31991	210.91882	4.54851	0.0938235	0.26375430	2.4080732	20	—	—
284733 2008 UO_{147}	17.5	X	131.55741	95.27130	241.09678	5.97822	0.1440027	0.27240195	2.3568353	20	—	—
284734 2008 UP_{152}	17.7	X	185.11718	219.71753	60.38575	3.54065	0.1809914	0.27635322	2.3343163	20	—	—
284735 2008 UQ_{152}	17.1	X	189.22504	33.17804	201.38997	5.60814	0.0897154	0.26304111	2.4124239	20	—	—
284736 2008 UT_{178}	17.7	X	188.31544	350.02352	273.85175	3.17247	0.1810807	0.27260439	2.3556684	20	—	—
284737 2008 UM_{179}	16.8	X	112.50406	315.09733	299.86323	3.89584	0.0750567	0.24474598	2.5311954	20	11 12.9	20.5
284738 2008 UZ_{180}	16.1	X	45.57523	17.27422	265.24576	4.60963	0.2539024	0.24046202	2.5611699	20	10 24.2	19.6
284739 2008 UA_{197}	16.5	X	146.34595	290.55896	241.60845	7.94018	0.0872079	0.23083924	2.6318611	20	9 1.1	20.6
284740 2008 UH_{198}	17.2	X	224.48085	283.01830	50.42831	7.62618	0.1400809	0.29716753	2.2240018	20	3 13.0	20.5
284741 2008 UL_{203}	17.0	X	143.90224	14.70474	319.56688	5.79329	0.1372738	0.27758455	2.3274080	20	—	—
284742 2008 UT_{203}	17.1	X	162.78657	90.91787	252.12192	5.31128	0.1355370	0.28343579	2.2952655	20	1 19.8	20.4
284743 2008 UJ_{208}	17.2	X	253.84022	332.19032	237.97002	5.73431	0.0883464	0.26963135	2.3729529	20	—	—
284744 2008 UU_{211}	17.2	X	143.89080	311.43722	37.32920	6.92248	0.1605892	0.27638556	2.3341342	20	1 12.8	20.5
284745 2008 US_{240}	16.4	X	55.76807	319.84277	332.98402	5.04095	0.1736636	0.24513401	2.5285236	20	11 7.8	19.9
284746 2008 UV_{299}	16.9	X	151.12881	270.86648	279.16125	4.23825	0.1943266	0.23571457	2.5954446	20	10 1.4	21.3
284747 2008 UD_{305}	15.3	X	16.34455	205.26981	301.50676	8.73144	0.0500212	0.18029126	3.1032702	20	2 11.2	19.3
284748 2008 UJ_{329}	18.1	X	167.26925	138.87055	246.48605	3.16520	0.1891149	0.29265247	2.2468182	20	3 21.0	21.7
284749 2008 UP_{360}	17.0	X	149.43418	202.40663	16.54683	4.77784	0.0632443	0.24442230	2.5334295	20	11 8.2	20.5
284750 2008 UN_{361}	15.8	X	124.87135	305.40963	268.41707	13.72713	0.0518201	0.23989618	2.5651957	20	9 27.1	19.8
284751 2008 UE_{368}	16.5	X	305.14137	265.41137	163.56583	2.85838	0.0706176	0.24559214	2.5253781	20	11 16.6	19.5
284752 2008 VF_{2}	18.2	X	170.01667	67.11836	325.17514	2.72696	0.2625030	0.29359280	2.2420181	20	4 4.8	22.0
284753 2008 VK_{11}	17.4	X	179.89697	176.74574	159.24164	3.82782	0.1753231	0.28476298	2.2881283	20	1 31.4	21.0
284754 2008 VD_{13}	17.7	X	161.07576	314.59008	83.52879	5.62412	0.2083702	0.29115552	2.2545128	20	4 6.3	21.3
284755 2008 VZ_{22}	16.2	X	277.61347	286.11688	94.54850	8.22649	0.1464000	0.21891308	2.7266009	20	7 13.6	19.7
284756 2008 VA_{24}	16.8	X	41.30732	328.10363	83.16455	7.09413	0.0936460	0.26379186	2.4078446	20	—	—
284757 2008 VV_{25}	16.6	X	185.59358	71.97774	85.74985	4.76126	0.1017543	0.24001529	2.5643469	20	10 2.1	20.4
284758 2008 VN_{64}	17.0	X	41.22157	137.81412	284.85385	5.11723	0.1697857	0.26537148	2.3982800	20	—	—
284759 2008 WT_{2}	16.2	X	152.63860	0.82383	192.33826	10.44966	0.0930700	0.24545693	2.5263054	20	10 11.0	19.8
284760 2008 WO_{3}	17.1	X	26.52891	200.36559	230.18532	5.40668	0.1095737	0.26738039	2.3862522	20	—	—
284761 2008 WK_{21}	17.5	X	131.92506	120.63263	170.94439	0.56326	0.1756287	0.26139150	2.4225629	20	—	—
284762 2008 WN_{41}	17.0	X	93.65874	341.72719	276.34785	3.64899	0.0638642	0.24019582	2.5630618	20	10 24.4	20.6
284763 2008 WL_{68}	18.1	X	238.31880	160.63185	203.08495	1.63233	0.2530256	0.30378836	2.1915697	20	4 23.6	21.4
284764 2008 WT_{69}	16.3	X	26.26485	70.94598	258.14870	10.85395	0.0862440	0.24032894	2.5621153	20	11 2.7	19.6
284765 2008 WK_{70}	17.1	X	264.80042	235.20869	230.25160	1.47066	0.0461398	0.24133324	2.5550022	20	11 6.4	20.4
284766 2008 WX_{73}	16.9	X	314.65418	347.34233	69.63066	4.87546	0.1675892	0.24076250	2.5590385	20	11 11.6	19.1
284767 2008 WL_{101}	15.7	X	261.36641	142.82257	257.54839	21.22527	0.0687560	0.23024527	2.6363854	20	7 23.2	19.6
284768 2008 WM_{110}	16.7	X	163.17477	94.34686	64.98741	5.07722	0.0454003	0.23077703	2.6323340	20	9 10.2	20.4
284769 2008 WP_{115}	17.8	X	55.63210	341.85815	66.24751	2.18559	0.1812619	0.26626037	2.3929394	20	—	—
284770 2008 WC_{119}	16.8	X	49.88554	349.48854	254.67602	5.13107	0.0893668	0.22328998	2.6908525	20	8 10.7	20.2
284771 2008 WW_{120}	16.4	X	266.77999	314.55782	84.36432	6.16061	0.0547755	0.22301737	2.6930449	20	8 8.8	20.0
284772 2008 WM_{121}	15.4	X	183.17030	88.40258	309.06436	7.61284	0.0974285	0.19372525	2.9580935	20	4 20.6	20.2
284773 2008 WN_{121}	15.3	X	48.67949	330.43465	138.95318	19.90541	0.2094862	0.17806989	3.1290252	20	2 28.8	18.8
284774 2008 WC_{126}	16.3	X	265.70140	14.81933	281.48104	10.35345	0.0902168	0.19236264	2.9720463	20	3 13.3	20.8
284775 2008 WP_{138}	17.3	X	155.45773	179.15569	165.34108	3.30533	0.2641413	0.28053971	2.3110348	20	1 27.0	21.0
284776 2008 XC_{3}	15.8	X	276.80686	182.89595	276.45227	11.91679	0.1130904	0.23815463	2.5776861	20	11 2.6	19.1
284777 2008 XT_{3}	17.5	X	91.84286	50.03453	353.17722	1.94726	0.2114363	0.27411231	2.3470212	20	1 24.3	19.7
284778 2008 XH_{35}	16.2	X	33.78042	63.42060	288.33533	4.64450	0.0614815	0.24740403	2.5130331	20	12 12.8	19.4
284779 2008 XH_{49}	16.9	X	10.06241	56.28341	288.84457	10.98689	0.1115547	0.23478093	2.6023209	20	10 31.5	20.2
284780 2008 XO_{52}	16.1	X	215.36399	191.78177	290.43446	8.34867	0.0741917	0.23037831	2.6353704	20	9 14.2	20.0
284781 2008 YK_{13}	16.1	X	355.69324	258.33598	294.78060	10.58581	0.0471073	0.18889874	3.0082691	20	3 6.9	20.3
284782 2008 YA_{21}	16.3	X	311.11015	39.03490	293.05379	3.57131	0.0746310	0.21293720	2.7773782	20	7 7.1	19.8
284783 2008 YT_{35}	16.8	X	325.69473	298.52725	105.78788	8.99049	0.1192291	0.23635363	2.5907640	20	11 15.9	19.7
284784 2008 YH_{38}	16.8	X	334.31317	117.00464	287.94453	11.72697	0.1510634	0.24186151	2.5512805	20	12 2.6	19.5
284785 2008 YP_{40}	16.2	X	317.85522	274.67251	85.40928	6.68258	0.1291855	0.22182707	2.7026700	20	8 25.6	19.2
284786 2008 YO_{49}	15.9	X	51.94684	33.74014	110.61736	12.50507	0.0709394	0.18978976	2.9988463	20	4 6.3	20.0
284787 2008 YF_{51}	15.8	X	247.95176	136.58123	108.36920	12.04121	0.0659142	0.17413104	3.1760348	20	1 3.5	20.4
284788 2008 YT_{53}	16.6	X	269.71603	277.25845	82.20917	5.43141	0.0823628	0.20941377	2.8084448	20	6 13.4	20.3
284789 2008 YZ_{56}	16.5	X	324.48860	228.70877	67.50312	5.00804	0.1784422	0.21076612	2.7964186	20	5 26.2	19.5
284790 2008 YW_{75}	15.9	X	320.60875	256.92030	99.75381	14.78728	0.1183992	0.22398068	2.6853177	20	8 29.3	19.2
284791 2008 YG_{78}	16.6	X	2.10090	190.83233	143.10652	7.21368	0.1805610	0.22669374	2.6638496	20	10 16.9	19.4
284792 2008 YW_{79}	15.8	X	254.87747	132.16015	141.66148	10.08366	0.0390544	0.18208282	3.0828808	20	2 15.6	20.2
284793 2008 YQ_{80}	16.7	X	18.91418	121.79026	72.58567	3.96259	0.0304442	0.19570242	2.9381362	20	4 16.2	20.6
284794 2008 YH_{83}	17.0	X	87.33715	28.75799	320.96016	1.75665	0.2091622	0.25751351	2.4468238	20	—	—
284795 2008 YS_{83}	16.8	X	286.83772	226.50692	70.50790	3.15297	0.0396893	0.20074256	2.8887485	20	4 22.3	20.6
284796 2008 YA_{97}	15.5	X	279.91922	268.65453	314.57580	8.30309	0.0267520	0.17715086	3.1398378	20	1 18.1	20.0
284797 2008 YB_{101}	17.4	X	94.53817	183.17198	177.90269	1.65497	0.2103544	0.26116411	2.4239690	20	—	—
284798 2008 YT_{103}	16.0	X	335.82961	77.33427	110.70774	7.28723	0.0727870	0.18199381	3.0838859	20	2 7.4	20.1
284799 2008 YC_{106}	17.1	X	12.86463	73.21325	309.18462	9.69357	0.1973255	0.24422661	2.5347826	20	—	—
284800 2008 YS_{112}	16.2	X	8.29953	296.33865	89.90102	6.80803	0.1931401	0.24424114	2.5346821	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284801 2008 YM_{113}	16.6	X	350.02678	263.88890	94.90779	4.43498	0.0997851	0.23383216	2.6093553	20	10 22.7	19.5
284802 2008 YV_{117}	15.9	X	213.38646	328.42099	121.65527	12.64276	0.0783956	0.21650977	2.7467410	20	8 3.9	19.8
284803 2008 YZ_{118}	15.6	X	8.93614	29.42638	119.08417	12.78450	0.0278428	0.18018587	3.1044802	20	2 6.6	19.8
284804 2008 YH_{123}	16.8	X	284.84277	144.29581	256.58954	3.36743	0.0816607	0.22665334	2.6641661	20	8 30.2	20.1
284805 2008 YL_{123}	16.6	X	265.68303	128.46447	261.78270	5.27848	0.0386369	0.21810842	2.7333029	20	7 25.4	20.3
284806 2008 YZ_{123}	15.9	X	150.65850	314.45916	131.29208	7.16977	0.0277581	0.20316709	2.8657203	20	5 17.9	20.0
284807 2008 YH_{127}	16.9	X	289.72703	246.05364	100.05199	4.48426	0.1016557	0.21325629	2.7746070	20	6 20.2	20.3
284808 2008 YL_{136}	17.5	X	86.03333	20.11634	336.26929	3.24230	0.1892391	0.25933876	2.4353297	20	—	—
284809 2008 YS_{136}	16.3	X	271.36288	57.05710	290.34667	4.66862	0.0327440	0.21155628	2.7894512	20	6 6.8	20.1
284810 2008 YA_{137}	16.1	X	98.21318	209.28746	297.20654	13.31677	0.0888066	0.20422653	2.8558010	20	6 6.1	20.3
284811 2008 YT_{137}	15.3	X	229.43589	359.18739	292.60246	24.05929	0.1441446	0.18167473	3.0874958	20	1 29.4	20.4
284812 2008 YY_{141}	16.3	X	265.56688	141.92886	301.17889	12.80680	0.1077997	0.23086387	2.6316739	20	9 19.7	19.9
284813 2008 YA_{152}	16.1	X	247.62215	354.07463	125.52675	22.75985	0.0304447	0.23232045	2.6206625	20	11 11.6	20.1
284814 2008 YE_{152}	16.2	X	246.28955	196.63254	92.35767	3.64901	0.1149658	0.18466785	3.0540432	20	2 18.0	20.9
284815 2008 YM_{152}	15.6	X	227.46816	329.86014	309.72164	9.06144	0.1729035	0.17688658	3.1429644	20	1 18.2	20.8
284816 2008 YJ_{153}	17.3	X	328.93386	110.90166	271.64923	1.99720	0.0995754	0.23291107	2.6162302	20	10 16.5	20.3
284817 2008 YC_{161}	16.0	X	34.77907	63.97353	72.98651	4.43960	0.1105164	0.18583212	3.0412738	20	3 1.7	19.8
284818 2008 YK_{163}	16.8	X	283.89583	226.53125	149.57064	5.61039	0.1264732	0.21911621	2.7249155	20	7 18.7	20.4
284819 2008 YY_{165}	16.0	X	186.57041	265.11576	92.94462	10.65892	0.0726718	0.18379765	3.0636753	20	3 16.5	20.8
284820 2008 YY_{166}	15.3	X	328.19349	265.97298	268.80996	8.72377	0.0561379	0.17807057	3.1290173	20	1 12.8	19.5
284821 2008 YS_{170}	16.3	X	321.91675	317.42219	94.38517	10.76508	0.1981756	0.23819599	2.5773877	20	11 21.1	18.5
284822 2008 YS_{172}	15.7	X	283.13503	275.37748	302.72132	10.46419	0.1761449	0.17616946	3.1514878	20	—	—
284823 2009 AQ_{35}	16.1	X	278.40559	302.84862	290.12283	15.05765	0.0724811	0.17894557	3.1188088	20	1 19.9	20.7
284824 2009 AT_{35}	16.1	X	278.83593	145.56862	103.99025	10.75762	0.0111916	0.18378128	3.0638573	20	2 20.5	20.5
284825 2009 AS_{42}	17.0	X	263.21495	323.60683	81.39366	2.76259	0.0632788	0.22046476	2.7137923	20	8 9.7	20.5
284826 2009 AY_{42}	15.5	X	283.57589	107.73860	142.08745	10.96302	0.0640965	0.18097453	3.0954544	20	2 17.1	19.9
284827 2009 AH_{44}	16.6	X	265.11509	245.97298	149.99361	5.11569	0.1057741	0.21586365	2.7522193	20	7 22.5	20.2
284828 2009 AQ_{47}	16.4	X	310.04933	23.32075	288.36141	4.93463	0.0622834	0.20699597	2.8302716	20	6 8.3	20.1
284829 2009 BZ_{3}	15.6	X	346.62770	271.20811	255.25837	9.38697	0.1083002	0.17911271	3.1168682	20	1 20.2	19.7
284830 2009 BT_{8}	16.7	X	53.49764	257.85772	128.87923	11.35197	0.2568300	0.25754484	2.4466254	20	—	—
284831 2009 BE_{16}	17.7	X	34.31338	208.83300	143.02933	3.20290	0.1582920	0.24191384	2.5509125	20	12 26.5	21.2
284832 2009 BH_{17}	16.4	X	329.31245	124.47497	127.56239	6.74414	0.0672218	0.19746672	2.9206091	20	4 20.6	20.3
284833 2009 BA_{38}	16.5	X	318.63148	317.19045	97.45100	4.70341	0.2238999	0.23738242	2.5832733	20	11 15.6	18.5
284834 2009 BJ_{42}	15.8	X	338.15075	205.12743	328.85007	4.18709	0.0638264	0.17602983	3.1531541	20	1 25.8	19.9
284835 2009 BW_{46}	15.8	X	37.32592	311.55033	163.03097	4.53255	0.0350003	0.17559452	3.1583633	20	2 1.1	20.0
284836 2009 BP_{52}	16.3	X	166.56388	313.73005	145.20179	15.73561	0.0995447	0.20411770	2.8568160	20	6 24.0	20.9
284837 2009 BR_{59}	16.4	X	309.69914	304.19794	117.61059	11.17730	0.1956701	0.23596088	2.5936381	20	11 9.5	18.9
284838 2009 BK_{68}	16.7	X	344.76823	340.01840	71.63358	5.94157	0.1974749	0.24481909	2.5306914	20	—	—
284839 2009 BY_{68}	15.5	X	230.51921	321.34020	317.71539	8.26742	0.0400940	0.17486768	3.1671090	20	1 26.9	20.1
284840 2009 BR_{69}	16.9	X	293.94446	115.64281	311.13365	12.11120	0.1392490	0.23452245	2.6042326	20	10 8.5	20.0
284841 2009 BH_{77}	15.6	X	208.21436	169.29581	308.23232	21.28952	0.0188166	0.22662299	2.6644039	20	8 31.2	19.5
284842 2009 BT_{81}	16.8	X	13.33604	205.28021	180.83153	2.27676	0.1554750	0.24578637	2.5240475	20	—	—
284843 2009 BO_{82}	16.0	X	280.07485	347.52509	94.45563	12.88608	0.1488213	0.23248101	2.6194557	20	10 19.3	19.3
284844 2009 BJ_{84}	15.5	X	238.44239	340.69020	303.67969	10.70993	0.0960552	0.18070218	3.0985639	20	2 4.4	20.2
284845 2009 BG_{85}	16.0	X	229.95102	196.20926	143.06143	9.54928	0.0113252	0.19295146	2.9659968	20	4 11.3	20.3
284846 2009 BM_{91}	16.2	X	188.15636	239.97820	134.62416	12.90804	0.0235143	0.19043660	2.9920518	20	4 5.9	20.7
284847 2009 BD_{92}	16.3	X	266.24964	114.91411	142.52581	11.53250	0.0866156	0.17752347	3.1354426	20	2 3.6	20.9
284848 2009 BQ_{93}	16.0	X	246.69045	359.83565	261.03081	1.87742	0.0773164	0.17341307	3.1847951	20	1 19.5	20.8
284849 2009 BO_{94}	16.3	X	265.96432	55.42581	319.86248	7.74324	0.1242875	0.21038052	2.7998346	20	6 23.8	20.2
284850 2009 BM_{105}	15.8	X	191.44853	158.09931	156.96091	10.25548	0.0674764	0.17364681	3.1819365	20	1 25.8	20.7
284851 2009 BQ_{122}	15.7	X	193.64797	8.67158	326.92184	11.54597	0.0779909	0.17995221	3.1071669	20	2 20.8	20.6
284852 2009 BH_{128}	15.9	X	273.86686	129.01433	127.38639	15.77313	0.0287280	0.17862704	3.1225154	20	2 19.9	20.4
284853 2009 BX_{136}	15.5	X	276.12135	304.41581	319.94979	8.40674	0.0295476	0.18445804	3.0563587	20	2 28.1	19.9
284854 2009 BG_{140}	17.0	X	14.62062	67.23937	317.52603	5.70713	0.2323758	0.24372822	2.5382370	20	—	—
284855 2009 BM_{143}	16.5	X	332.32345	223.30898	134.88225	5.17594	0.1558626	0.22352025	2.6890041	20	9 17.9	19.2
284856 2009 BG_{147}	15.9	X	160.35423	187.57870	165.84234	11.86162	0.0560648	0.17391397	3.1786771	20	2 6.1	20.7
284857 2009 BP_{158}	15.4	X	55.07579	340.44372	158.63253	10.02670	0.0404241	0.18368985	3.0648739	20	3 27.7	19.5
284858 2009 BG_{161}	16.4	X	347.72527	283.02788	124.76563	14.05451	0.1887908	0.24129229	2.5552913	20	—	—
284859 2009 BP_{167}	15.5	X	55.68035	145.63236	315.10333	10.37416	0.0483017	0.17504685	3.1649475	20	2 9.5	19.8
284860 2009 BY_{176}	16.8	X	325.01896	261.51012	145.76057	9.92048	0.2056900	0.23658275	2.5890911	20	11 21.4	19.2
284861 2009 BR_{177}	16.0	X	169.05377	234.85404	175.59819	10.11562	0.0029479	0.18608752	3.0384905	20	4 24.6	20.3
284862 2009 BU_{189}	15.9	X	330.59771	289.00441	265.35047	3.79201	0.0626220	0.17834078	3.1258558	20	2 7.5	20.2
284863 2009 CL_{2}	15.7	X	330.05260	92.74986	114.78693	10.76394	0.0247456	0.18357018	3.0662057	20	3 1.9	20.0
284864 2009 CV_{28}	16.7	X	330.07394	252.15265	138.02802	11.69911	0.2150018	0.23088117	2.6315424	20	11 7.0	19.2
284865 2009 CP_{32}	15.6	X	52.27020	352.12332	147.31840	9.23635	0.0558235	0.18308958	3.0715691	20	3 26.6	19.7
284866 2009 CG_{40}	15.4	X	353.97457	59.94297	103.69995	11.89395	0.0519192	0.17788173	3.1312313	20	2 5.1	19.6
284867 2009 CU_{41}	16.1	X	199.54912	207.98546	140.07674	14.90823	0.0483119	0.18800541	3.0177909	20	3 15.8	20.6
284868 2009 CO_{45}	16.4	X	5.69368	223.86551	119.02129	8.39826	0.1882048	0.23211831	2.6221837	20	11 8.4	19.3
284869 2009 CG_{55}	15.7	X	302.09826	107.58411	149.20111	12.59865	0.0809950	0.18594689	3.0400223	20	3 18.5	19.9
284870 2009 CT_{58}	16.1	X	238.56778	343.60842	328.76108	6.32846	0.1066090	0.18203065	3.0834698	20	3 7.3	20.8
284871 2009 CK_{64}	16.0	X	152.68544	73.36719	326.53752	8.93185	0.1186709	0.18660717	3.0328470	20	3 25.5	20.8
284872 2009 DV_{10}	16.9	X	314.07936	87.78283	291.28947	10.84985	0.1114887	0.22489249	2.6780545	20	9 7.9	20.3
284873 2009 DN_{37}	16.8	X	270.23433	250.06156	150.56875	9.57645	0.1741748	0.21822301	2.7323460	20	7 24.9	20.5
284874 2009 DX_{39}	16.3	X	248.17715	224.04376	146.59441	12.58483	0.0148477	0.20123554	2.8840288	20	6 11.6	20.5
284875 2009 DG_{41}	15.4	X	16.58652	344.19313	131.58209	9.99647	0.0638396	0.17210503	3.2009116	20	1 7.3	19.6
284876 2009 DK_{42}	15.3	X	10.54568	4.21826	159.99904	13.64021	0.1078995	0.17759822	3.1345628	20	2 25.4	19.1
284877 2009 DA_{66}	16.2	X	171.42532	154.99822	169.53385	7.70656	0.1448228	0.16931397	3.2359926	20	1 20.9	21.5
284878 2009 DX_{71}	16.7	X	274.39036	267.21032	134.10143	15.47900	0.1809192	0.21832693	2.7314789	20	7 31.1	20.1
284879 2009 DF_{93}	15.5	X	72.49750	310.50155	150.66590	11.65304	0.0625398	0.17547361	3.1598139	20	3 6.2	19.7
284880 2009 DR_{127}	15.6	X	272.11806	291.17516	16.63776	9.84806	0.1208455	0.18173042	3.0868650	20	4 6.3	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284881 2009 EA_{21}	15.4	X	75.59428	12.28332	119.13773	10.94697	0.0912876	0.18740169	3.0242687	20	4 24.2	19.7
284882 2009 FY_{59}	13.3	X	257.61673	208.28824	113.94311	9.32760	0.0886473	0.08436451	5.1486836	20	4 20.4	20.4
284883 2009 FB_{63}	13.2	X	215.42174	127.24032	219.79672	8.20978	0.0460818	0.08344457	5.1864557	20	4 3.5	20.2
284884 2009 HT_{15}	15.6	X	143.75640	273.12423	149.60258	11.18056	0.1427348	0.18361755	3.0656784	20	4 22.3	20.6
284885 2009 HU_{50}	16.0	X	134.80841	262.83610	184.94120	11.74450	0.1962134	0.18483025	3.0522541	20	5 16.3	21.1
284886 2009 JO_{4}	15.7	X	121.38665	270.25658	167.59378	26.07311	0.2071178	0.17806965	3.1290280	20	4 25.4	21.0
284887 2009 KE_{9}	12.6	X	298.54746	216.24979	62.67439	23.04121	0.0121269	0.08409384	5.1597253	20	4 29.4	19.5
284888 2009 QR_{14}	16.9	X	315.13605	54.79649	341.13305	11.89104	0.1253850	0.27285972	2.3541986	20	10 15.6	19.3
284889 2009 QJ_{46}	17.6	X	281.80805	76.25115	323.75847	0.68601	0.1865199	0.26414958	2.4056702	20	8 13.9	20.1
284890 2009 QL_{60}	15.9	X	269.51567	77.69894	357.84592	25.11351	0.2631696	0.17506107	3.1647762	20	8 30.7	20.5
284891 Kona	15.6	X	300.33550	237.22157	205.72303	16.29661	0.2094804	0.18135066	3.0911729	20	10 27.9	19.1
284892 2009 SN_{84}	17.4	X	226.75200	333.34541	137.06102	2.06364	0.1356149	0.26850710	2.3795721	20	9 14.7	20.6
284893 2009 SQ_{129}	16.9	X	50.74051	204.15814	163.80429	4.02059	0.0938474	0.19552788	2.9398844	20	—	—
284894 2009 SV_{154}	16.3	X	208.70383	214.40930	213.56814	11.23877	0.1932446	0.25395916	2.4696010	20	6 22.7	20.4
284895 2009 SW_{168}	15.7	X	344.06809	235.72637	165.35000	11.82502	0.3441531	0.18502921	3.0500656	20	12 17.3	18.4
284896 2009 SY_{337}	16.0	X	173.55155	174.68235	220.70889	12.14658	0.1300381	0.23133448	2.6281035	20	4 9.5	20.2
284897 2009 SQ_{340}	17.6	X	339.49215	125.42071	255.05504	0.81544	0.0172563	0.27189679	2.3597537	20	11 6.1	20.5
284898 2009 TC_{5}	17.1	X	210.53239	321.12250	20.24686	5.50686	0.3084393	0.23316749	2.6143118	20	3 9.4	22.0
284899 2009 UV_{20}	16.0	X	40.09499	197.69301	240.02243	11.28544	0.0919557	0.20530021	2.8458354	20	—	—
284900 2009 US_{80}	16.1	X	141.84118	176.14324	223.59486	13.58297	0.0716951	0.22375128	2.6871528	20	3 5.2	20.2
284901 2009 UD_{147}	16.7	X	299.34552	312.53730	145.71008	0.44584	0.1557062	0.18061877	3.0995178	20	11 20.8	20.2
284902 2009 VL_{14}	15.8	X	264.35291	215.96509	241.19680	11.75106	0.1763528	0.17246958	3.1963994	20	9 19.2	20.4
284903 2009 VF_{43}	16.6	X	230.56760	222.11863	125.02278	2.85862	0.2014704	0.23434764	2.6055275	20	4 3.4	20.8
284904 2009 VK_{68}	15.4	X	18.51162	142.26264	252.46679	10.53944	0.0975192	0.18562786	3.0435045	20	—	—
284905 2009 VZ_{93}	16.5	X	109.51311	227.59049	179.54123	4.64787	0.0774737	0.21413427	2.7670177	20	2 10.6	20.4
284906 2009 XR_{6}	16.9	X	79.70300	89.10482	262.01576	20.00129	0.1279855	0.37796961	1.8945153	20	—	—
284907 2009 XH_{16}	16.8	X	274.08208	286.18830	294.94779	6.66339	0.1350077	0.28697894	2.2763342	20	—	—
284908 2009 YA_{17}	16.2	X	75.02339	220.94971	111.12064	6.92681	0.0619179	0.25355187	2.4722450	20	—	—
284909 2009 YR_{25}	17.7	X	335.87821	65.76530	100.20097	6.27379	0.1030806	0.28823550	2.2697136	20	—	—
284910 2010 AU_{11}	17.3	X	4.92165	209.76045	297.08483	4.98694	0.0884708	0.29028407	2.2590226	20	1 3.1	19.4
284911 2010 AW_{32}	17.6	X	245.46061	142.14918	60.75845	2.93201	0.1301385	0.27236338	2.3570578	20	—	—
284912 2010 AS_{66}	17.3	X	303.32279	217.83873	298.10112	3.40133	0.0458286	0.27410263	2.3470765	20	—	—
284913 2010 AJ_{76}	16.5	X	229.65602	277.55606	275.81855	4.64418	0.1282637	0.26318337	2.4115545	20	—	—
284914 2010 AP_{79}	17.3	X	72.90189	232.96760	128.46490	23.88085	0.0956269	0.36678774	1.9328264	20	—	—
284915 2010 AX_{91}	16.2	X	34.12238	213.97225	130.85387	10.57561	0.0971737	0.24325695	2.5415142	20	12 10.2	19.6
284916 2010 AC_{125}	15.5	X	330.38429	275.61390	98.57565	10.39738	0.0794432	0.17499193	3.1656097	20	10 2.4	19.7
284917 2010 BG_{4}	16.3	X	64.96662	256.92102	328.77468	12.00031	0.2232771	0.22551408	2.6731312	20	8 28.5	20.1
284918 2010 BO_{15}	16.0	X	273.34477	54.77006	153.51864	12.03007	0.1250325	0.17171592	3.2057452	20	—	—
284919 2010 BK_{82}	15.4	X	174.50909	30.54597	299.66569	12.89289	0.0452425	0.17553540	3.1590724	20	1 25.2	20.0
284920 2010 CM_{46}	15.4	X	179.52303	227.53589	115.38323	16.07136	0.0710164	0.17631829	3.1497141	20	2 18.3	20.3
284921 2010 CU_{56}	17.4	X	117.59599	337.56832	130.41202	4.74823	0.1129794	0.31015907	2.1614560	20	5 13.2	20.1
284922 2010 CL_{82}	16.4	X	53.97182	267.17842	347.97535	5.58341	0.0455043	0.22692374	2.6620493	20	8 28.1	19.9
284923 2010 CT_{82}	17.2	X	62.89244	55.52497	172.41417	5.31787	0.0914495	0.22063018	2.7124356	20	8 8.0	20.9
284924 2010 CW_{96}	17.3	X	188.23478	316.28266	330.38227	6.08156	0.0988963	0.27707406	2.3302658	20	—	—
284925 2010 CY_{103}	16.6	X	128.40638	85.74948	127.60280	3.46209	0.0741953	0.23645411	2.5900301	20	10 10.2	20.3
284926 2010 CX_{128}	15.0	X	193.52231	332.24302	289.61255	13.16234	0.1701991	0.17177957	3.2049533	20	—	—
284927 2010 CU_{153}	16.5	X	106.89422	67.71658	150.25446	10.39100	0.0918702	0.23123577	2.6288514	20	9 23.1	20.3
284928 2010 CH_{172}	16.6	X	240.34809	7.06773	186.19582	7.24855	0.0591726	0.26165158	2.4209574	20	—	—
284929 2010 CA_{180}	17.1	X	276.54451	208.47792	348.29992	8.58320	0.1126448	0.27461620	2.3441493	20	—	—
284930 2010 CC_{225}	15.2	X	172.19806	250.36997	91.31638	26.87929	0.1900643	0.17268148	3.1937840	20	2 18.3	20.9
284931 2010 DR	17.1	X	251.03627	241.61822	318.92970	11.57820	0.0810704	0.26752524	2.3853908	20	—	—
284932 2010 DG_{3}	16.7	X	225.73999	298.07813	246.27106	4.24049	0.1240480	0.25898343	2.4375567	20	12 20.2	19.7
284933 2010 DX_{7}	16.9	X	150.76636	243.33860	330.61237	5.57742	0.0333173	0.24454638	2.5325725	20	11 2.6	20.5
284934 2010 DN_{26}	15.3	X	181.56203	241.68907	118.00513	27.96563	0.2587707	0.17502669	3.1651906	20	3 20.4	21.3
284935 2010 DS_{50}	15.4	X	207.26590	175.15707	132.75266	18.95445	0.0237797	0.17324720	3.1868276	20	2 4.4	19.9
284936 2010 DU_{50}	16.1	X	201.89613	28.32693	240.91174	7.50344	0.1074455	0.15973489	3.3641048	20	—	—
284937 2010 DY_{53}	15.1	X	127.94213	228.03507	108.36147	16.70801	0.1310394	0.15606202	3.4166820	20	—	—
284938 2010 DX_{73}	16.7	X	255.93443	1.73293	158.77251	10.54196	0.0878996	0.25897177	2.4376299	20	—	—
284939 2010 DL_{75}	17.3	X	84.25953	195.57814	56.73153	0.38421	0.0989319	0.23427043	2.6061000	20	10 10.6	20.8
284940 2010 EM_{2}	17.2	X	251.49034	112.36256	125.04984	7.49278	0.0753090	0.27946423	2.3169601	20	—	—
284941 2010 EB_{21}	16.9	X	194.56152	125.83589	151.18352	9.79018	0.0352360	0.27191133	2.3596695	20	—	—
284942 2010 EQ_{30}	16.8	X	204.00079	113.95564	146.67159	7.24953	0.0786506	0.26879383	2.3778796	20	—	—
284943 2010 EZ_{33}	16.9	X	181.56259	359.85792	162.97567	0.90935	0.1212947	0.23747645	2.5825913	20	9 30.4	20.7
284944 2010 EQ_{34}	16.0	X	173.56429	199.71542	311.01814	11.15891	0.1144484	0.23475911	2.6024821	20	9 2.8	20.1
284945 Saint–Imier	15.8	X	329.17089	189.33881	1.06932	4.78082	0.0741769	0.18336836	3.0684551	20	2 1.3	19.8
284946 2010 EC_{79}	17.0	X	143.79213	189.87768	134.45985	4.02760	0.1849114	0.26792760	2.3830020	20	—	—
284947 2010 EO_{87}	16.8	X	271.56790	274.74812	180.57902	1.61075	0.0709527	0.23931324	2.5693597	20	10 30.1	19.8
284948 2010 ET_{99}	16.5	X	201.57493	358.34995	153.20164	5.38490	0.1251979	0.23758897	2.5817758	20	10 8.2	20.3
284949 2010 EK_{105}	17.0	X	247.84880	72.65170	93.86714	4.86640	0.0772216	0.25803769	2.4435090	20	—	—
284950 2010 EO_{126}	15.7	X	15.12887	132.20264	115.85728	13.75419	0.0847673	0.21164739	2.7886506	20	6 23.7	19.1
284951 2010 EW_{126}	16.0	X	167.36227	241.72493	277.26153	6.27932	0.1437912	0.23373129	2.6101060	20	9 6.8	20.3
284952 2010 EG_{127}	15.6	X	288.80768	197.45175	23.90762	8.58586	0.1587575	0.17951942	3.1121588	20	1 9.4	20.3
284953 2010 EL_{127}	16.2	X	213.30907	5.97772	134.68786	12.89589	0.1178264	0.23927933	2.5696024	20	10 11.6	20.1
284954 2010 EF_{129}	16.4	X	280.88015	193.88619	214.81564	3.17753	0.0582291	0.22861279	2.6489212	20	9 8.3	19.6
284955 2010 EN_{129}	16.5	X	67.84510	168.74053	69.18428	2.32890	0.0211474	0.22139063	2.7062208	20	8 19.7	20.0
284956 2010 EF_{130}	16.4	X	104.14361	273.31858	3.50733	12.11960	0.2231376	0.23692991	2.5865614	20	12 6.7	21.0
284957 2010 EJ_{133}	16.7	X	335.78008	254.37981	135.46867	5.67414	0.0610014	0.23999690	2.5644779	20	11 10.8	19.8
284958 2010 EH_{137}	16.2	X	313.19823	263.16271	153.78211	4.37491	0.0597859	0.24168284	2.5525378	20	11 12.7	19.2
284959 2010 EP_{139}	16.1	X	257.07454	218.30256	12.01689	5.09144	0.1368219	0.17372874	3.1809360	20	—	—
284960 2010 EC_{140}	16.1	X	244.64971	148.27691	138.23605	2.23400	0.1203431	0.18378226	3.0638464	20	2 12.0	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284961 2010 ET_{140}	16.1	X	90.15873	282.78436	297.35844	10.52655	0.1309490	0.22597039	2.6695314	20	9 3.6	20.2
284962 2010 FW	16.5	X	82.80027	35.57352	153.39426	8.86021	0.1208949	0.21742757	2.7390059	20	7 17.4	20.4
284963 2010 FC_{5}	15.9	X	333.26223	167.82553	87.40333	2.96922	0.1290804	0.20047679	2.8913010	20	4 21.9	19.2
284964 2010 FO_{5}	16.9	X	84.34448	95.46779	148.01884	12.38093	0.1610961	0.23452947	2.6041806	20	10 10.2	20.9
284965 2010 FX_{14}	15.8	X	85.26420	222.00126	80.48530	13.31744	0.1453113	0.24634319	2.5202425	20	12 19.5	19.5
284966 2010 FO_{20}	16.7	X	15.71100	219.85334	76.71369	3.12105	0.0629757	0.22705264	2.6610417	20	9 1.7	19.9
284967 2010 FY_{22}	16.3	X	294.39072	206.17510	98.34631	3.01173	0.1997285	0.20371863	2.8605457	20	4 18.2	20.2
284968 2010 FZ_{27}	15.8	X	0.08782	96.41929	108.20394	8.26044	0.1456556	0.19850502	2.9104159	20	4 1.8	19.2
284969 2010 FG_{85}	16.1	X	94.27017	101.77268	130.26351	13.85199	0.0994571	0.22986319	2.6393061	20	9 30.4	20.1
284970 2010 FP_{100}	16.5	X	10.75862	129.78859	156.62554	5.30282	0.0885616	0.21935559	2.7229327	20	8 9.6	19.6
284971 2010 GS_{6}	16.1	X	4.26157	112.38849	143.67968	10.87257	0.0794581	0.20999798	2.8032337	20	6 17.0	19.7
284972 2010 GM_{7}	16.6	X	3.65049	332.47083	284.33508	1.56295	0.0495256	0.20961177	2.8066759	20	6 15.3	20.1
284973 2010 GJ_{25}	16.0	X	298.90642	53.41728	170.38502	9.69579	0.0767318	0.17966210	3.1105109	20	1 31.7	20.6
284974 2010 GV_{26}	15.7	X	252.23203	116.99233	157.62088	7.76649	0.0865511	0.18002679	3.1063088	20	2 8.2	20.4
284975 2010 GG_{27}	15.8	X	345.56308	38.36624	101.50445	7.00076	0.0121837	0.17044831	3.2216195	20	—	—
284976 2010 GA_{32}	15.7	X	325.60824	234.82664	337.54471	9.14268	0.1734613	0.18750967	3.0231076	20	2 9.6	19.6
284977 2010 GV_{96}	15.9	X	351.36175	108.33337	141.30690	15.42219	0.1123149	0.20459518	2.8523695	20	5 20.5	19.6
284978 2010 GG_{104}	16.2	X	279.49169	89.15907	175.93478	4.34912	0.0571286	0.18688433	3.0298477	20	3 1.2	20.6
284979 2010 GO_{105}	15.5	X	216.12151	186.04045	115.52506	7.17913	0.0970769	0.17496064	3.1659871	20	2 4.9	20.4
284980 2010 GC_{118}	16.5	X	223.38907	272.39933	153.49743	8.93748	0.0786032	0.21380863	2.7698265	20	7 13.5	20.6
284981 2010 GT_{119}	16.1	X	212.76131	201.49394	100.17707	3.48833	0.2070983	0.17774986	3.1327799	20	1 30.3	21.5
284982 2010 GS_{124}	15.6	X	180.42829	270.25563	92.90892	10.01535	0.0492291	0.18177297	3.0863832	20	3 15.4	20.3
284983 2010 GG_{127}	15.3	X	148.06052	277.07117	94.02213	10.75576	0.0862173	0.17614204	3.1518149	20	2 20.9	20.2
284984 Ikaunieks	16.7	X	316.67404	282.94284	78.59741	8.89110	0.0836359	0.22406582	2.6846374	20	8 31.4	20.0
284985 2010 GO_{158}	15.4	X	319.62910	87.58876	103.49293	15.30459	0.0592576	0.17596526	3.1539254	20	1 23.1	19.7
284986 2010 HT_{23}	15.1	X	229.83379	174.37252	101.83562	14.28525	0.0802524	0.17327199	3.1865236	20	1 20.8	20.0
284987 2010 HH_{105}	16.0	X	213.06718	141.20761	198.67944	1.68506	0.0664221	0.18661196	3.0327951	20	3 16.8	20.5
284988 2010 JV_{35}	16.7	X	220.01355	213.14783	199.55900	3.69739	0.0635267	0.21340864	2.7732863	20	6 24.2	20.7
284989 2010 JP_{38}	16.1	X	214.93420	136.63938	165.45542	10.31590	0.2014603	0.17469598	3.1691839	20	1 31.0	21.6
284990 2010 JF_{76}	16.0	X	200.04847	234.11042	107.99338	10.28706	0.1575170	0.18015470	3.1048383	20	3 9.7	21.2
284991 2010 JU_{111}	15.3	X	211.69362	200.37048	106.34850	10.73032	0.0445945	0.17730640	3.1380012	20	2 8.4	20.0
284992 2010 JA_{148}	15.7	X	295.08296	135.55535	112.85694	12.48453	0.0400834	0.18309322	3.0715285	20	3 7.2	20.1
284993 2010 JD_{171}	16.7	X	192.25051	43.97153	42.35069	4.97022	0.0358464	0.21423584	2.7661430	20	7 7.7	20.7
284994 2010 KD_{60}	16.6	X	212.59617	178.47148	110.64233	23.66120	0.2009415	0.28237856	2.3009909	20	1 4.5	20.3
284995 2010 KF_{124}	16.4	X	302.78792	298.37448	276.36248	0.58687	0.1971959	0.18589105	3.0406311	20	1 9.6	20.8
284996 Rosaparks	15.5	X	248.61010	331.92433	271.48891	12.11512	0.1291477	0.17707061	3.1407863	20	—	—
284997 2010 NV_{7}	16.1	X	235.04094	324.98098	95.88762	6.38916	0.0321872	0.22045335	2.7138859	20	7 29.2	19.9
284998 2010 NU_{29}	16.1	X	251.94294	327.47397	322.10293	11.95575	0.0583635	0.18661197	3.0327949	20	2 26.4	20.6
284999 2010 NN_{90}	15.6	X	339.98148	84.63333	196.71049	11.01689	0.1320894	0.17766071	3.1338277	20	6 8.1	19.5
285000 2010 OS_{56}	15.9	X	200.93631	44.39125	263.97410	3.06526	0.1274715	0.17312726	3.1882993	20	1 28.1	21.0
285001 2010 RN_{47}	17.3	X	164.40362	95.95898	222.07087	1.11802	0.0816190	0.23836748	2.5761514	20	—	—
285002 2010 TU_{131}	17.4	X	140.74263	245.26552	186.46014	22.25422	0.1177706	0.35676875	1.9688449	20	4 18.9	19.8
285003 2010 UH_{46}	16.6	X	60.57786	131.60195	251.19055	4.19468	0.0762140	0.22017931	2.7161373	20	—	—
285004 2010 UY_{98}	17.5	X	143.03844	242.33426	318.06536	6.34438	0.1331923	0.29497432	2.2350123	20	10 13.4	20.9
285005 2010 VG_{120}	15.8	X	106.35177	272.71630	67.16291	15.15253	0.0478367	0.21506075	2.7590651	20	—	—
285006 2010 VV_{132}	17.4	X	226.16290	1.13504	19.54898	5.84242	0.1444438	0.26453828	2.4033132	20	5 11.8	20.9
285007 2010 XO_{55}	17.4	X	215.52841	331.08247	120.69134	1.97828	0.1509177	0.26935351	2.3745845	20	8 5.1	20.8
285008 2011 AP_{8}	15.7	X	285.72929	12.41949	107.82981	11.55060	0.0648714	0.19096595	2.9865200	20	12 11.1	19.6
285009 2011 AJ_{20}	16.0	X	295.00223	335.95951	95.50444	12.10395	0.1453782	0.18102471	3.0948823	20	10 17.7	20.0
285010 2011 AM_{66}	17.9	X	227.85069	244.15428	305.99619	1.01331	0.1806026	0.29063589	2.2571992	20	12 31.2	20.3
285011 2011 BY_{19}	17.4	X	164.10863	130.36185	35.69294	2.62362	0.1554901	0.26442631	2.4039915	20	9 19.7	21.0
285012 2011 BP_{36}	16.8	X	297.18746	65.01200	163.88286	3.22604	0.1104573	0.21660361	2.7459477	20	1 26.7	20.6
285013 2011 BT_{89}	16.0	X	354.25775	250.94128	141.50286	11.19863	0.0978391	0.18232018	3.0802046	20	11 29.9	20.1
285014 2011 BF_{94}	16.3	X	348.24176	58.12960	314.81632	5.82364	0.0889024	0.17983231	3.1085479	20	10 20.5	20.3
285015 2011 BD_{114}	15.8	X	109.40657	186.00705	77.70756	6.00657	0.0144654	0.17684109	3.1435033	20	11 5.8	20.3
285016 2011 CZ_{7}	15.8	X	255.37873	143.81435	147.00515	26.83056	0.0939262	0.22413913	2.6840520	20	2 27.2	19.7
285017 2011 CZ_{20}	16.8	X	248.85739	114.55650	140.82990	5.65330	0.0365064	0.21136908	2.7910979	20	1 13.0	20.7
285018 2011 CA_{71}	15.4	X	17.03765	321.01689	2.40393	9.66895	0.0570970	0.15636447	3.4122747	20	9 25.8	20.0
285019 2011 CW_{77}	17.1	X	127.04273	56.61352	27.55472	6.13308	0.3210688	0.23740225	2.5831294	20	5 10.9	21.6
285020 2011 DG_{4}	14.9	X	248.27949	331.84622	163.21386	28.10426	0.1356473	0.17425623	3.1745135	20	11 1.1	19.9
285021 2011 DW_{10}	15.7	X	255.93103	144.67188	339.89942	16.11476	0.1809481	0.17436223	3.1732268	20	10 10.2	20.4
285022 2011 DF_{18}	17.0	X	1.86117	204.85925	99.43457	1.78971	0.1344887	0.24837262	2.5064953	20	8 30.1	19.3
285023 2011 DT_{21}	16.6	X	288.85245	220.46573	349.49933	13.55688	0.1293215	0.20112332	2.8851015	20	—	—
285024 2011 DD_{40}	15.6	X	7.57192	242.99101	162.68980	16.43062	0.0854058	0.18408856	3.0604469	20	12 31.9	19.9
285025 2011 DZ_{40}	16.7	X	310.48403	153.30554	352.79316	9.98500	0.0882080	0.19246838	2.9709576	20	—	—
285026 2011 DA_{43}	15.7	X	350.75320	227.54445	175.15886	5.51381	0.1178592	0.17933553	3.1142859	20	12 6.5	19.6
285027 2011 DX_{45}	16.1	X	175.67741	133.25080	103.21428	2.56086	0.1362177	0.17568643	3.1572616	20	12 11.5	21.1
285028 2011 EO	16.4	X	243.92040	40.57245	107.27739	6.23933	0.0779321	0.17908592	3.1171791	20	11 16.9	20.9
285029 2011 EW_{10}	17.7	X	128.12135	332.19646	150.94961	6.62438	0.1653060	0.24192197	2.5508554	20	6 19.4	21.8
285030 2011 EJ_{11}	15.2	X	130.30238	306.94429	355.41744	17.50207	0.2102080	0.17902881	3.1178420	20	—	—
285031 2011 EO_{14}	16.3	X	238.13714	128.08087	15.59811	1.06327	0.1400839	0.17223298	3.1993261	20	10 24.8	21.0
285032 2011 EX_{26}	16.0	X	203.74193	308.23008	23.33208	3.75197	0.0961543	0.21332014	2.7740534	20	2 24.9	20.2
285033 2011 ED_{40}	16.1	X	262.03971	143.11242	35.30152	5.32744	0.0858483	0.18637666	3.0353472	20	—	—
285034 2011 EJ_{42}	17.2	X	86.53879	178.73679	73.96196	2.67390	0.1639995	0.25783665	2.4447791	20	10 24.8	20.8
285035 2011 EC_{44}	15.7	X	314.26296	189.80434	320.68731	8.91570	0.0396921	0.18943006	3.0026413	20	—	—
285036 2011 EJ_{51}	17.6	X	138.10606	132.43687	94.51198	3.21773	0.1827847	0.26630504	2.3926717	20	11 11.2	21.4
285037 2011 ES_{51}	18.4	X	298.50714	79.65098	50.35037	2.08417	0.1486455	0.29323367	2.2438483	20	—	—
285038 2011 EU_{54}	16.2	X	270.25655	300.02753	213.36328	4.74046	0.1805580	0.18340591	3.0680363	20	12 12.6	20.1
285039 2011 EY_{54}	16.1	X	232.40567	76.60625	155.93439	7.56126	0.1659019	0.18665770	3.0322996	20	—	—
285040 2011 EO_{77}	16.3	X	244.73666	100.92004	126.12372	2.90155	0.0490043	0.19433427	2.9519101	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285041 2011 FC_5	15.3	X	109.81811	184.73281	112.83315	8.61808	0.1118969	0.17090024	3.2159375	20	12 20.8	20.3
285042 2011 FZ_5	16.4	X	263.31374	63.86809	130.30533	2.99905	0.0891824	0.19177728	2.9780909	20	—	—
285043 2011 FJ_{10}	17.6	X	210.44177	315.58224	180.51587	2.44662	0.0989311	0.26681727	2.3896085	20	10 3.7	20.8
285044 2011 FT_{10}	17.0	X	73.22147	22.49878	170.22747	9.82467	0.1376941	0.23862332	2.5743097	20	7 13.4	20.5
285045 2011 FW_{97}	16.8	X	316.19838	31.48063	310.37212	1.95579	0.1315638	0.24725978	2.5140104	20	7 26.0	19.3
285046 2011 FZ_{132}	16.8	X	236.88129	340.86114	174.98537	0.93558	0.1231999	0.17449832	3.1715767	20	11 9.8	21.3
285047 2011 FG_{147}	15.9	X	313.39773	314.40859	258.33262	15.46635	0.2013261	0.20974976	2.8054449	20	1 12.3	19.8
285048 2011 FJ_{154}	16.1	X	236.32647	161.19345	175.89928	14.66397	0.1197921	0.22312512	2.6921778	20	4 2.7	20.1
285049 2011 GM_{32}	18.0	X	173.20320	123.78229	141.24092	2.97141	0.1842307	0.27874134	2.3209643	20	—	—
285050 2011 GU_{32}	17.7	X	150.14907	112.97198	152.81713	1.79335	0.1439009	0.27217534	2.3581434	20	—	—
285051 2011 GD_{43}	16.8	X	92.32490	31.25671	122.13998	3.61899	0.1161806	0.23666952	2.5884583	20	6 12.7	20.2
285052 2011 GX_{85}	16.0	X	237.52670	201.45976	129.11720	7.34538	0.1144661	0.21284682	2.7781644	20	3 29.5	20.3
285053 2011 HN_8	15.7	X	152.08445	265.68320	81.48164	15.40512	0.0945817	0.19314690	2.9639956	20	1 24.9	20.3
285054 2011 HK_{18}	16.1	X	116.18792	64.17583	21.41165	25.92195	0.1603592	0.22049437	2.7135493	20	4 16.3	20.1
285055 2011 HT_{18}	16.0	X	40.37689	58.34561	136.16428	9.54930	0.0259246	0.21986387	2.7187345	20	5 16.7	19.7
285056 2011 HG_{25}	17.5	X	121.24581	100.17662	139.83872	2.33134	0.1516826	0.25829235	2.4419027	20	11 10.6	21.2
285057 2011 HW_{25}	16.6	X	4.92072	106.47936	147.83345	8.26297	0.0842691	0.22615354	2.6680899	20	6 15.9	19.8
285058 2011 HK_{30}	15.7	X	139.17950	215.78224	215.93158	32.52367	0.1000211	0.21626642	2.7488011	20	4 19.6	19.9
285059 2011 HV_{60}	15.6	X	238.56061	147.87806	122.89675	11.24398	0.0233456	0.18948985	3.0020096	20	1 24.6	19.8
285060 2011 HT_{91}	16.2	X	184.30253	331.36994	48.14553	7.05795	0.0522187	0.21476349	2.7616104	20	4 3.8	20.2
285061 2011 HZ_{100}	16.9	X	41.92406	51.83513	220.65261	7.90229	0.1399041	0.23974086	2.5663035	20	9 16.8	20.2
285062 2011 JK_{29}	16.9	X	208.49609	42.97774	172.87456	6.32288	0.0784667	0.27339676	2.3511146	20	—	—
285063 2011 KV	16.1	X	300.43254	80.62790	108.04044	6.20991	0.1079127	0.18795604	3.0183194	20	—	—
285064 2011 KG_3	16.2	X	274.17718	209.05156	107.03420	5.75630	0.0637832	0.21284606	2.7781710	20	4 28.1	20.1
285065 2011 KM_{11}	17.6	X	224.14141	39.05131	212.85383	2.54552	0.1802796	0.28783400	2.2718238	20	—	—
285066 2011 KO_{11}	17.1	X	117.52476	154.11650	133.49801	3.13914	0.1936835	0.26469846	2.4023435	20	—	—
285067 2011 KS_{20}	16.0	X	141.68888	294.43871	82.34100	5.15322	0.0627966	0.19334670	2.9619533	20	2 14.9	20.3
285068 2011 KA_{23}	16.6	X	252.32586	122.94772	176.87949	1.90142	0.0410787	0.20242598	2.8727106	20	3 12.6	20.5
285069 2011 KB_{23}	17.3	X	56.43841	47.96964	213.14661	5.62246	0.1286820	0.23986689	2.5654045	20	9 20.9	20.6
285070 2011 KO_{24}	16.8	X	254.70826	190.40070	151.67147	4.50579	0.1070276	0.21500983	2.7595007	20	5 1.0	20.8
285071 2011 KK_{25}	15.7	X	4.39653	70.07010	78.53012	14.55478	0.0687817	0.19441190	2.9511242	20	1 28.9	19.7
285072 2011 KQ_{25}	16.3	X	241.64405	94.29473	163.10564	1.59284	0.0504496	0.18678345	3.0309385	20	1 10.3	20.8
285073 2011 KH_{28}	17.7	X	257.27165	276.57082	356.52933	5.76780	0.1794931	0.30356729	2.1926336	20	1 22.5	21.0
285074 2011 KO_{28}	16.2	X	324.99284	198.11444	77.22690	4.34296	0.1451744	0.21447951	2.7640476	20	5 2.9	19.3
285075 2011 KF_{33}	17.4	X	21.88192	39.45202	69.64737	3.51332	0.0317772	0.29522302	2.2337569	20	—	—
285076 2011 KG_{33}	15.0	X	251.95053	339.20401	229.10534	15.06419	0.0415899	0.17435109	3.1733620	20	—	—
285077 2227 $T-2$	17.1	X	88.71638	18.83366	337.98465	2.56211	0.2507581	0.25811756	2.4430050	20	—	—
285078 2459 $T-3$	17.4	X	36.72221	51.13653	340.36607	2.26534	0.1813333	0.25712515	2.4492870	20	—	—
285079 1981 EQ_{36}	16.0	X	150.58005	267.45406	293.02506	8.00815	0.1300141	0.21295857	2.7771924	20	10 9.0	20.5
285080 1981 EB_{47}	16.6	X	90.23265	181.74243	352.82292	11.54563	0.1807224	0.25774594	2.4453526	20	7 22.3	20.2
285081 1991 FD_1	17.6	X	27.84495	305.37740	339.81757	4.17252	0.1906623	0.31473753	2.1404431	20	10 7.6	19.8
285082 1991 TJ_{15}	16.1	X	237.41246	61.51994	36.47339	30.37832	0.3050892	0.23264201	2.6182471	20	9 5.5	20.9
285083 1992 DS_8	16.5	X	295.36947	301.15175	248.22181	2.49357	0.1700107	0.24025135	2.5626669	20	—	—
285084 1992 SY_{10}	16.1	X	290.76167	168.21546	184.61165	13.14471	0.1028359	0.20581939	2.8410477	20	6 29.4	20.1
285085 1992 UM_7	17.7	X	282.23298	122.01341	202.65007	5.61772	0.2357533	0.30966642	2.1637478	20	4 17.5	20.4
285086 1993 FA_{38}	16.0	X	110.84372	190.62531	17.55255	12.20252	0.1277964	0.22997709	2.6384346	20	9 18.9	20.0
285087 1993 HN_4	16.8	X	323.33974	265.30310	54.20831	8.21705	0.0311437	0.26221906	2.4174632	20	7 17.1	19.8
285088 1993 TQ_7	16.5	X	47.30330	331.61871	352.17983	4.72277	0.1141955	0.22067776	2.7120457	20	11 24.5	20.3
285089 1993 TT_{23}	16.8	X	133.32958	339.52203	38.04169	5.81878	0.1870060	0.27264369	2.3554420	20	2 12.2	20.1
285090 1993 TV_{24}	17.7	X	290.03974	194.65000	156.78631	2.40802	0.2360604	0.28702734	2.2760783	20	6 7.3	20.2
285091 1994 AL_7	18.0	X	79.30308	122.22112	293.86824	1.99232	0.1365673	0.30237370	2.1983999	20	1 1.1	19.9
285092 1994 AP_{14}	16.8	X	136.33822	101.37938	291.61632	5.62773	0.1746224	0.23181167	2.6244956	20	3 3.4	20.8
285093 1994 HC	17.8	X	78.72041	270.37201	31.45951	5.91072	0.3364607	0.31613933	2.1341111	20	—	—
285094 1994 PR_7	16.3	X	71.46158	28.90066	333.72435	4.33755	0.2324828	0.23886902	2.5725441	20	—	—
285095 1994 RC_3	17.5	X	327.22281	354.22638	329.69409	4.68364	0.1536262	0.30184495	2.2009665	20	7 25.2	18.9
285096 1994 TZ_{10}	17.3	X	35.03803	94.68774	261.67406	1.73079	0.0612550	0.23301386	2.6154608	20	12 16.7	20.8
285097 1994 UM_8	16.0	X	287.90583	325.03106	21.56746	8.88500	0.1202009	0.18055762	3.1002175	20	6 13.6	20.3
285098 1994 UZ_8	16.5	X	324.09107	266.26118	10.80520	9.18210	0.1309436	0.21641901	2.7475089	20	5 1.7	19.7
285099 1994 VT_3	16.0	X	229.54529	229.07754	235.11394	6.90063	0.0735449	0.18553157	3.0445574	20	9 3.8	20.6
285100 1994 WX_7	17.4	X	349.58787	280.77102	155.32747	4.79209	0.2084738	0.27062604	2.3671348	20	—	—
285101 1994 WD_{13}	15.5	X	277.53715	216.70684	97.19442	10.57908	0.0806309	0.17453648	3.1711144	20	4 30.6	20.1
285102 1995 BZ_5	17.6	X	63.84445	199.24846	346.62038	2.90943	0.0966423	0.28346172	2.2951255	20	6 15.7	20.1
285103 1995 BW_7	18.3	X	230.48614	329.73688	104.51077	2.69632	0.1311171	0.29212570	2.2495184	20	8 2.6	21.1
285104 1995 CR_3	18.1	X	256.50290	17.39630	177.85005	2.17569	0.1626007	0.26592653	2.3949416	20	—	—
285105 1995 CS_4	16.1	X	122.70769	165.90351	144.70219	9.76339	0.0859735	0.18728807	3.0254917	20	—	—
285106 1995 FL_7	16.2	X	325.05408	139.02228	100.22233	4.11657	0.2152620	0.19532758	2.9418939	20	3 7.1	19.7
285107 1995 HQ_2	17.0	X	201.74737	221.97159	61.27240	7.07884	0.1216739	0.26368537	2.4084928	20	—	—
285108 1995 HB_3	17.4	X	176.98820	151.72065	149.65144	2.86304	0.1753727	0.26220071	2.4175760	20	—	—
285109 1995 JS	15.1	X	35.36971	289.85177	64.19726	10.32927	0.0769141	0.17483627	3.1674884	20	12 1.9	19.4
285110 1995 MA_1	17.1	X	293.04462	265.80782	87.65916	25.84166	0.5876159	0.23381915	2.6094521	20	5 5.6	21.8
285111 1995 MX_3	16.1	X	310.41382	201.99793	106.59106	12.46137	0.1467086	0.19794370	2.9159154	20	5 27.0	19.8
285112 1995 MU_6	17.1	X	205.52392	139.27095	164.84727	7.30688	0.2641669	0.22364744	2.6879845	20	1 21.9	22.1
285113 1995 OE_{13}	16.5	X	38.21581	146.81484	329.36199	12.00130	0.0220079	0.21887704	2.7269002	20	1 30.7	20.2
285114 1995 OY_{16}	15.9	X	153.88746	141.62169	280.85661	9.92560	0.1222138	0.18619613	3.0373088	20	4 23.1	20.8
285115 1995 QB_4	16.2	X	272.20456	256.46330	347.78575	12.81891	0.0425742	0.21671750	2.7449855	20	1 29.3	20.2
285116 1995 SN_1	17.9	X	205.83886	113.27615	209.79752	6.89083	0.2179481	0.30034933	2.2082671	20	2 4.8	21.6
285117 1995 ST_8	17.2	X	323.58197	268.77120	355.30371	6.06538	0.0872234	0.26659132	2.3909586	20	4 16.0	19.9
285118 1995 SE_{14}	17.2	X	6.87289	32.53950	10.37314	1.77311	0.0672196	0.20503768	2.8482642	20	12 31.8	20.9
285119 1995 ST_{14}	16.6	X	175.83184	206.51235	182.80653	4.84212	0.1489746	0.18261001	3.0769445	20	4 9.3	21.6
285120 1995 SN_{21}	16.0	X	308.69873	256.86601	346.79545	10.61619	0.1763222	0.18487082	3.0518075	20	2 25.1	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285121 1995 SO_{25}	16.9	X	264.76218	263.47288	350.14601	2.87281	0.1472225	0.21727925	2.7402523	20	1 18.2	21.1
285122 1995 SD_{36}	17.6	X	183.09299	357.48712	10.45602	1.32207	0.1943543	0.26081652	2.4261221	20	3 17.2	21.5
285123 1995 SG_{42}	17.2	X	83.01186	351.01874	129.15178	2.08647	0.1387957	0.25965702	2.4333393	20	4 18.6	20.1
285124 1995 SK_{44}	16.2	X	334.27403	120.69070	198.58699	9.82435	0.1065708	0.19154210	2.9805281	20	7 19.9	20.1
285125 1995 SQ_{45}	17.3	X	25.39139	210.35345	172.22978	2.93533	0.1654779	0.24524528	2.5277587	20	—	—
285126 1995 SZ_{48}	17.3	X	345.41388	229.84445	168.93416	6.01234	0.0755231	0.20338804	2.8636445	20	11 27.5	20.9
285127 1995 SR_{50}	15.7	X	224.17904	59.56471	9.58535	10.41244	0.1076109	0.18873368	3.0100227	20	7 17.8	20.4
285128 1995 SP_{51}	17.3	X	329.68378	0.04748	8.90133	3.11013	0.0463413	0.23557655	2.5964582	20	9 30.3	20.3
285129 1995 SD_{62}	17.7	X	251.96098	204.34336	166.54273	5.99168	0.1285465	0.26788209	2.3832719	20	5 31.9	21.0
285130 1995 SZ_{62}	17.4	X	315.57347	184.79666	57.70911	3.14789	0.1701452	0.26270567	2.4144770	20	2 23.9	20.2
285131 1995 SA_{63}	17.1	X	297.41255	98.03213	165.29765	6.44726	0.0925641	0.26221746	2.4174731	20	3 8.8	20.1
285132 1995 SY_{63}	18.4	X	65.51359	132.59327	26.70456	4.45041	0.0299805	0.30359842	2.1924837	20	4 27.2	20.7
285133 1995 SJ_{64}	16.6	X	340.42930	302.83251	191.57466	4.00717	0.0189586	0.21302362	2.7766270	20	—	—
285134 1995 SA_{72}	17.0	X	137.08672	227.72900	165.95873	6.19958	0.1894332	0.25705175	2.4497532	20	3 6.9	20.6
285135 1995 SB_{72}	15.8	X	106.70335	220.02869	196.45350	8.99853	0.0868012	0.17557451	3.1586032	20	2 23.5	20.3
285136 1995 SR_{76}	15.8	X	341.01826	37.16987	180.40199	18.43155	0.0604018	0.18101583	3.0949836	20	3 22.8	19.7
285137 1995 SN_{80}	17.0	X	188.29545	68.22865	328.34555	0.48993	0.1982663	0.18232412	3.0801602	20	4 28.1	22.2
285138 1995 SZ_{81}	17.0	X	305.84151	65.29876	124.83255	0.73756	0.0138800	0.21287095	2.7779544	20	1 4.1	20.6
285139 1995 SO_{87}	15.7	X	239.85422	253.47760	342.16633	8.87066	0.1936799	0.17629273	3.1500185	20	—	—
285140 1995 TM_{9}	17.3	X	53.17032	168.97966	334.69206	1.97446	0.1265308	0.25851936	2.4404729	20	3 31.1	19.9
285141 1995 TG_{12}	15.4	X	229.89367	72.59669	225.70134	9.08249	0.0923854	0.17630303	3.1498959	20	2 10.5	20.5
285142 1995 UG_{1}	16.4	X	312.93746	352.66996	5.96164	10.60526	0.1235409	0.23242457	2.6198798	20	8 17.9	19.4
285143 1995 UZ_{4}	17.4	X	314.94490	180.02780	26.11929	24.82855	0.0249082	0.37651980	1.8993755	20	1 6.2	20.0
285144 1995 UX_{12}	17.4	X	202.72507	28.10883	20.21448	6.70719	0.1280000	0.30490666	2.1862078	20	5 24.4	20.5
285145 1995 UU_{15}	16.3	X	182.14360	354.75935	62.82881	11.53667	0.0981628	0.18148856	3.0896068	20	5 18.6	21.1
285146 1995 UL_{17}	17.8	X	205.02359	235.66460	134.02491	2.91182	0.2299218	0.26108901	2.4244338	20	4 7.5	21.9
285147 1995 UA_{18}	17.6	X	8.02461	186.66307	221.08478	3.28472	0.1419506	0.24405195	2.5359919	20	—	—
285148 1995 UL_{20}	16.8	X	100.39965	62.13148	206.63702	14.91611	0.2348982	0.24164518	2.5528029	20	11 28.3	21.2
285149 1995 UN_{50}	15.8	X	239.40378	268.64717	63.33186	9.61767	0.1716990	0.18141599	3.0904307	20	4 1.0	20.8
285150 1995 UD_{62}	16.6	X	104.58923	6.55197	48.60678	4.25619	0.1544935	0.17532454	3.1616047	20	3 3.9	21.1
285151 1995 UB_{63}	18.2	X	347.03738	200.24151	134.08288	1.71646	0.1817674	0.31360137	2.1456098	20	10 7.8	19.5
285152 1995 UR_{65}	16.1	X	167.47059	304.79756	54.10250	9.93490	0.1969134	0.21662661	2.7457533	20	3 1.2	20.8
285153 1995 UA_{70}	15.7	X	281.30836	151.04959	225.60336	10.77838	0.1249536	0.18923111	3.0047455	20	7 12.1	19.9
285154 1995 UM_{77}	16.1	X	5.09291	243.01112	204.42280	11.14125	0.2097709	0.20549885	2.8440012	20	—	—
285155 1995 VF_{4}	17.0	X	354.26199	192.54478	75.06613	7.61359	0.0991602	0.26663448	2.3907005	20	6 16.9	19.3
285156 1995 VR_{8}	17.2	X	10.61792	324.34629	230.54966	5.87274	0.1153663	0.25687667	2.4508662	20	3 25.6	19.7
285157 1995 VY_{12}	16.2	X	188.24231	246.42826	210.38735	17.59056	0.1212606	0.22658762	2.6646812	20	7 9.7	20.8
285158 1995 VA_{13}	16.1	X	179.74588	220.11287	164.41840	4.07722	0.1818353	0.17992142	3.1075215	20	4 8.2	21.3
285159 1995 VK_{18}	16.2	X	294.29477	124.00298	237.97916	7.96287	0.1453909	0.18835320	3.0140749	20	7 9.2	20.2
285160 1995 WP_{6}	18.3	X	50.10420	160.17720	141.78966	4.12677	0.2576231	0.31723999	2.1291721	20	12 9.4	21.3
285161 1995 WA_{10}	16.1	X	90.75038	290.41434	41.32105	15.58725	0.1616986	0.20468583	2.8515273	20	—	—
285162 1995 WB_{14}	17.0	X	11.48675	280.97127	96.33350	6.21046	0.2088611	0.23938956	2.5688135	20	—	—
285163 1995 WK_{16}	15.8	X	267.11542	124.56059	32.95253	12.87936	0.1107099	0.20226111	2.8742715	20	12 28.3	19.7
285164 1995 WS_{36}	18.5	X	228.16264	175.25789	177.93557	3.79022	0.2044136	0.30187688	2.2008113	20	4 4.4	21.8
285165 1995 XC_{3}	17.4	X	186.46083	325.44603	135.97264	4.12257	0.1387858	0.22482725	2.6785725	20	7 16.5	21.6
285166 1995 YE_{11}	17.2	X	282.32867	290.65104	230.91974	2.89555	0.1413346	0.23762912	2.5814850	20	—	—
285167 1995 YJ_{11}	16.6	X	286.33985	2.78292	202.63222	2.55019	0.1673618	0.24224325	2.5485995	20	—	—
285168 1995 YK_{14}	16.7	X	280.79528	258.67160	144.75738	3.82304	0.1090862	0.23046578	2.6347035	20	8 26.1	19.9
285169 1996 AN_{7}	17.8	X	265.88396	116.66332	75.68300	3.02928	0.1067236	0.27918141	2.3185246	20	—	—
285170 1996 BZ_{6}	18.0	X	219.29381	86.87618	44.77929	1.91507	0.1275246	0.26843637	2.3799900	20	10 5.4	21.2
285171 1996 ET_{5}	15.8	X	20.76142	254.34670	355.53006	10.70381	0.1945829	0.21203704	2.7852332	20	7 20.9	18.9
285172 1996 ER_{6}	16.2	X	221.13634	286.60308	172.75015	4.21176	0.0886504	0.18090712	3.0962233	20	8 19.4	20.7
285173 1996 ES_{8}	16.5	X	203.94307	162.71405	357.09837	6.80103	0.1755754	0.22640882	2.6660840	20	10 11.6	20.6
285174 1996 FY_{5}	16.1	X	31.52844	116.32295	156.71021	14.74671	0.1103907	0.21811479	2.7332497	20	8 27.5	19.5
285175 1996 GJ_{3}	16.8	X	259.53580	66.07704	102.48812	3.72386	0.1069384	0.19061125	2.9902238	20	12 28.7	20.6
285176 1996 GQ_{6}	16.5	X	71.81095	339.00983	180.34365	10.45668	0.1360485	0.20914697	2.8108327	20	5 28.5	20.3
285177 1996 GU_{10}	16.2	X	174.26019	213.84823	29.30707	10.27998	0.0783772	0.22783384	2.6549554	20	—	—
285178 1996 OZ	15.9	X	211.22624	58.74785	299.23470	27.08173	0.2535123	0.23159326	2.6261454	20	3 12.4	21.1
285179 1996 TY_{11}	19.3	X	6.90248	158.70888	30.64935	13.92949	0.5353010	0.72418013	1.2281130	20	—	—
285180 1996 TH_{16}	13.3	X	17.01866	351.61163	343.38301	21.73615	0.0327735	0.08234344	5.2325902	20	9 21.5	20.1
285181 1996 TA_{17}	16.2	X	198.31625	170.73634	225.77991	7.00098	0.1018758	0.19326916	2.9627455	20	5 8.5	20.8
285182 1996 TU_{18}	16.1	X	150.54928	296.20292	32.91984	7.64922	0.0406342	0.21851651	2.7298988	20	—	—
285183 1996 TA_{29}	16.3	X	104.40659	181.69593	135.77763	6.22615	0.0592283	0.21359890	2.7716393	20	—	—
285184 1996 TD_{36}	17.8	X	199.35749	234.99119	216.49169	5.16309	0.1936649	0.27757762	2.3274468	20	7 15.1	21.5
285185 1996 TL_{37}	16.5	X	128.37246	77.65415	39.52917	9.42812	0.1519722	0.18848134	3.0127087	20	6 8.7	21.3
285186 1996 TK_{39}	15.6	X	135.48519	356.92487	16.57256	14.90439	0.1890260	0.22498684	2.6773058	20	2 18.9	19.9
285187 1996 TS_{46}	17.5	X	168.88106	38.97651	16.78651	3.18239	0.1558942	0.27190744	2.3596920	20	5 1.2	21.0
285188 1996 VC_{10}	15.8	X	118.16110	45.81227	88.16534	12.89773	0.0053577	0.19029157	2.9935718	20	6 4.8	20.0
285189 1996 VU_{10}	15.8	X	275.63367	307.11240	351.43123	10.97616	0.1379260	0.19081922	2.9880508	20	3 25.3	20.1
285190 1996 VV_{10}	17.1	X	60.83124	288.59587	293.81750	6.01286	0.0679649	0.28024452	2.3126574	20	7 30.4	19.6
285191 1996 VK_{13}	15.5	X	73.68239	252.17680	226.06191	17.06708	0.1811394	0.18181239	3.0859371	20	4 11.1	19.6
285192 1996 VO_{13}	17.8	X	349.44325	81.47428	216.69007	1.61310	0.1340752	0.28051311	2.3111809	20	7 28.3	19.8
285193 1996 VW_{16}	16.8	X	318.46182	30.99280	39.41937	2.40550	0.0547722	0.20841314	2.8174269	20	11 28.0	20.2
285194 1996 VG_{18}	16.2	X	110.66209	239.51438	164.05336	8.24112	0.0672297	0.17953881	3.1119348	20	2 10.9	20.7
285195 1996 VB_{23}	15.8	X	128.21466	217.01565	195.36953	11.51955	0.0061349	0.18183418	3.0856906	20	3 3.7	20.2
285196 1996 VS_{28}	16.1	X	56.96433	99.82784	53.25182	11.09941	0.1577316	0.18380169	3.0636304	20	5 1.8	19.8
285197 1996 VU_{34}	16.8	X	130.32946	99.63332	227.85986	2.43457	0.1962485	0.21690198	2.7434289	20	—	—
285198 1996 VA_{42}	17.2	X	81.13246	25.54920	122.73340	7.20994	0.0764669	0.27075381	2.3663900	20	5 16.7	20.1
285199 1996 XP_{4}	17.2	X	64.61896	103.35627	273.45121	9.59066	0.0358632	0.25491380	2.4634314	20	—	—
285200 1996 XE_{7}	15.9	X	157.42427	134.67071	223.21263	10.61616	0.0181474	0.17879882	3.1205151	20	2 2.0	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285201 1996 XM_7	16.4	X	103.87324	160.12512	198.95192	4.76799	0.0475343	0.21484800	2.7608862	20	—	—
285202 1996 XY_9	17.3	X	95.89730	91.29632	324.45089	4.47350	0.0973961	0.26265265	2.4148020	20	1 31.6	20.2
285203 1996 XD_{16}	18.4	X	213.49420	24.97225	52.73669	2.12700	0.1519257	0.27752010	2.3277683	20	7 15.4	21.8
285204 1996 XF_{16}	16.5	X	267.22201	209.76601	57.46676	6.96939	0.1525949	0.26593248	2.3949059	20	2 1.2	20.1
285205 1996 XD_{18}	16.8	X	147.38224	154.76755	261.98100	2.82249	0.1187978	0.22657927	2.6647467	20	4 9.8	20.9
285206 1996 XY_{20}	16.7	X	194.75464	55.84892	66.06468	7.39727	0.1523087	0.23774473	2.5806480	20	8 23.9	20.8
285207 1996 XT_{23}	17.0	X	262.53868	324.51718	13.77640	6.50055	0.1327111	0.27470626	2.3436370	20	4 26.7	20.2
285208 1996 XB_{24}	16.8	X	233.92277	11.61561	62.73441	4.07206	0.2691655	0.23739290	2.5831972	20	7 19.0	21.1
285209 1996 XP_{34}	15.6	X	168.75550	313.39616	35.67104	16.62909	0.0894105	0.18110216	3.0939999	20	2 20.6	20.6
285210 1997 BK_6	18.0	X	351.12706	91.74564	158.49003	2.84295	0.1491411	0.30615585	2.1802569	20	5 11.2	19.4
285211 1997 BS_8	15.8	X	111.47270	259.33405	301.47305	8.06874	0.0115999	0.18963429	3.0004851	20	8 19.9	20.0
285212 1997 CU_{12}	17.4	X	47.21691	64.06303	357.75394	6.39535	0.1476947	0.29386354	2.2406408	20	—	—
285213 1997 EM_3	17.3	X	202.97459	79.17286	1.86018	7.23956	0.1188009	0.26847023	2.3797900	20	7 11.7	20.8
285214 1997 EV_3	15.8	X	95.83992	276.56095	355.79758	12.00751	0.2562342	0.23162636	2.6258953	20	11 24.8	20.5
285215 1997 EG_6	15.8	X	115.38240	211.93784	333.34728	17.13771	0.1078813	0.22860039	2.6490170	20	8 21.3	19.6
285216 1997 EF_9	15.9	X	40.94715	331.87998	357.41099	10.13342	0.0546750	0.19211570	2.9745925	20	11 6.3	20.2
285217 1997 EK_{28}	16.9	X	268.54059	296.86659	0.51360	4.59076	0.1969978	0.25527112	2.4611321	20	3 6.5	20.5
285218 1997 GE_3	16.5	X	18.78028	138.89643	118.33039	0.22282	0.1497063	0.17978311	3.1091150	20	7 15.9	20.1
285219 1997 GK_{27}	16.3	X	23.96714	195.23947	69.01739	1.47071	0.1879660	0.18056466	3.1001370	20	8 9.4	19.7
285220 1997 JQ_3	16.0	X	162.47436	309.31749	200.15251	11.44778	0.1086383	0.18651744	3.0338196	20	8 17.1	21.0
285221 1997 KA_2	16.3	X	154.61284	31.36445	115.80325	16.79030	0.2800838	0.18192222	3.0846950	20	8 14.4	21.9
285222 1997 KD_2	15.9	X	19.07003	152.14606	189.22005	16.10999	0.2445913	0.18103650	3.0947479	20	11 21.7	19.8
285223 1997 MV_7	13.2	X	316.46717	91.57334	173.04511	12.19324	0.1161833	0.08256112	5.2233884	20	4 18.7	19.8
285224 1997 NC_2	15.8	X	330.04567	192.12771	216.60351	10.16866	0.0544218	0.18007756	3.1057249	20	11 10.9	19.8
285225 1997 NG_4	15.4	X	234.13865	134.08242	309.12000	11.69452	0.0513507	0.17200984	3.2020924	20	8 16.6	20.1
285226 1997 QU_2	16.1	X	344.27344	358.64043	343.84068	8.91360	0.1827807	0.21471176	2.7620540	20	9 15.1	18.8
285227 1997 SR_4	16.1	X	94.06970	11.56497	335.00098	12.61248	0.2963179	0.22923125	2.6441546	20	—	—
285228 1997 SC_{12}	13.9	X	25.51892	96.50507	232.83345	6.92666	0.0645659	0.08441069	5.1468054	20	10 1.1	20.5
285229 1997 SP_{12}	17.1	X	139.60215	209.92052	183.03358	4.64450	0.1511634	0.28135090	2.3065906	20	3 1.3	20.4
285230 1997 ST_{14}	16.8	X	234.24843	305.92629	249.22641	4.31542	0.0947047	0.22335547	2.6903265	20	—	—
285231 1997 SJ_{19}	17.9	X	334.29411	193.32621	234.19374	1.51081	0.1789249	0.26377007	2.4079772	20	—	—
285232 1997 SS_{21}	13.8	X	311.56144	185.52317	217.56887	2.24291	0.0578095	0.08208159	5.2437126	20	9 21.8	20.5
285233 1997 SN_{22}	15.0	X	204.44932	156.56827	349.35642	8.55619	0.1624951	0.12563973	3.9480688	20	9 16.5	21.2
285234 1997 SA_{27}	16.0	X	258.51223	248.93225	168.67272	8.11095	0.0589681	0.16855660	3.2456788	20	8 13.5	20.6
285235 1997 TB_7	16.1	X	347.02888	330.48985	55.24631	6.70643	0.0818364	0.21699945	2.7426073	20	11 15.8	19.5
285236 1997 TF_{12}	13.6	X	317.80578	21.26188	17.97679	8.93257	0.0260229	0.08254067	5.2242513	20	9 29.4	20.3
285237 1997 TT_{19}	16.4	X	68.80851	75.01885	9.19285	4.93494	0.0712211	0.18865783	3.0108295	20	2 9.3	20.4
285238 1997 WX_{10}	17.1	X	282.71023	258.05724	41.69394	13.91496	0.1807599	0.24300433	2.5432753	20	4 1.5	20.7
285239 1997 WC_{14}	16.8	X	229.15771	18.73274	272.71619	3.99907	0.2237293	0.28059090	2.3107537	20	1 19.8	20.7
285240 1997 WW_{15}	18.2	X	89.15889	273.73992	140.09567	1.75485	0.1818812	0.27324238	2.3520002	20	1 29.5	20.6
285241 1997 WV_{24}	17.4	X	230.94792	310.64447	58.33646	3.97480	0.2280910	0.28765006	2.2727923	20	4 26.7	21.0
285242 1997 WU_{26}	16.1	X	218.09495	300.32988	66.83980	17.33274	0.0405368	0.19614196	2.9337451	20	5 1.2	20.5
285243 1997 YS_{15}	17.5	X	319.82730	110.74338	299.39624	3.42166	0.0889897	0.29694730	2.2251013	20	11 28.1	19.4
285244 1998 BO_3	17.8	X	150.11497	296.49037	127.54100	4.52359	0.1789112	0.27733871	2.3287832	20	4 27.5	21.4
285245 1998 BH_{21}	17.5	X	269.55914	106.62939	300.79314	8.60857	0.1609723	0.24651863	2.5190467	20	8 6.8	20.7
285246 1998 BM_{24}	16.4	X	354.66973	299.98266	119.95366	2.26314	0.1582171	0.16936310	3.2353667	20	—	—
285247 1998 BG_{46}	15.7	X	211.98877	111.12403	254.93360	7.00056	0.1064733	0.18897286	3.0074824	20	4 12.4	20.4
285248 1998 DZ_6	17.2	X	112.41346	27.27523	175.21213	7.55262	0.0819727	0.28593459	2.2818736	20	9 12.4	20.2
285249 1998 DP_7	17.0	X	297.88027	0.63011	135.44548	5.20693	0.1407998	0.21197101	2.7858116	20	—	—
285250 1998 DH_8	17.5	X	295.08765	255.55678	319.30923	4.32926	0.1763865	0.26280503	2.4138685	20	—	—
285251 1998 DD_{27}	17.1	X	146.46770	154.98565	350.75253	8.76790	0.1010974	0.23807626	2.5782517	20	8 5.4	21.0
285252 1998 FK_{14}	16.7	X	23.37928	319.36170	183.27963	22.30052	0.2004075	0.26537477	2.3982601	20	1 25.2	19.2
285253 1998 HF	17.4	X	31.02257	28.96669	84.04144	2.48264	0.1486713	0.26293486	2.4130738	20	1 3.3	19.3
285254 1998 HK_2	18.4	X	214.16032	104.78556	139.73195	3.63410	0.1311618	0.29748447	2.2224219	20	—	—
285255 1998 HQ_2	15.5	X	270.82246	269.54887	39.81505	10.43383	0.0390634	0.18106687	3.0944019	20	4 19.0	19.9
285256 1998 HY_9	16.7	X	100.74122	267.23842	45.53799	14.67768	0.1575210	0.24625576	2.5208390	20	—	—
285257 1998 HD_{15}	17.6	X	89.62718	170.93423	55.36333	4.64495	0.1843801	0.28090466	2.3090327	20	9 30.2	20.9
285258 1998 HZ_{97}	16.2	X	253.30090	200.32759	19.93924	8.27676	0.2017508	0.25457973	2.4655861	20	—	—
285259 1998 HL_{110}	15.2	X	317.45944	30.15119	190.88923	17.94376	0.1856532	0.17334277	3.1856561	20	2 4.1	19.7
285260 1998 KY_{42}	14.8	X	328.69852	126.46669	74.33445	28.00460	0.1733311	0.17185610	3.2040017	20	2 6.5	19.4
285261 1998 MR_4	15.5	X	275.74475	59.92634	298.99393	16.00574	0.1780603	0.17418522	3.1753762	20	6 5.7	20.2
285262 1998 MQ_{36}	16.7	X	62.31968	132.02476	177.04812	13.32477	0.1725429	0.23703251	2.5858149	20	12 6.9	20.8
285263 1998 QE_2	17.2	X	310.81269	345.70350	250.13017	12.85876	0.5715817	0.26119591	2.4237722	20	—	—
285264 1998 QF_5	17.4	X	263.37391	88.08526	237.83624	5.16668	0.1565994	0.25884619	2.4384182	20	4 8.6	21.0
285265 1998 QS_{15}	17.8	X	164.45343	111.30435	164.93533	27.97238	0.2705494	0.37929191	1.8901096	20	—	—
285266 1998 QA_{16}	17.0	X	200.67745	316.04035	331.70333	19.70368	0.0592858	0.38273684	1.8787509	20	—	—
285267 1998 QD_{27}	15.0	X	255.12413	2.19147	303.93520	21.53547	0.2174680	0.21073881	2.7966602	20	2 25.7	19.9
285268 1998 QY_{57}	15.9	X	209.80194	115.10442	350.52760	17.38100	0.2354284	0.17344229	3.1844374	20	8 10.2	21.4
285269 1998 QK_{84}	15.5	X	40.00486	54.19112	256.64977	5.79106	0.2640823	0.18393027	3.0622026	20	11 13.7	19.7
285270 1998 QO_{97}	16.8	X	343.15480	124.16375	256.74591	9.51860	0.3286081	0.22683247	2.6627634	20	12 2.5	18.5
285271 1998 RW_6	16.2	X	231.50227	102.20184	345.52419	11.43324	0.1510051	0.22176889	2.7031427	20	8 16.2	20.2
285272 1998 RM_{11}	15.9	X	37.51511	356.47340	9.63151	11.24894	0.0594564	0.18621212	3.0371349	20	12 19.3	20.3
285273 1998 RE_{13}	15.5	X	12.79913	104.58526	187.56342	9.02050	0.0766807	0.17433505	3.1735565	20	8 12.7	19.7
285274 1998 RD_{21}	17.6	X	255.92597	204.04730	178.53321	1.70445	0.1312981	0.30730504	2.1748180	20	6 22.0	20.0
285275 1998 RZ_{24}	16.4	X	343.28639	36.88942	333.49962	13.35526	0.2721696	0.22639332	2.6662056	20	10 30.3	18.8
285276 1998 RH_{54}	16.7	X	323.93702	189.02819	196.80826	7.35277	0.2995910	0.22412562	2.6841598	20	10 3.0	18.2
285277 1998 RL_{63}	16.3	X	317.66479	248.52036	162.58974	13.27169	0.2620913	0.22589038	2.6701617	20	11 4.2	18.5
285278 1998 SN_5	17.0	X	206.22750	243.78015	171.15193	4.56162	0.0535781	0.21454769	2.7634620	20	6 12.0	21.0
285279 1998 SD_{14}	16.0	X	344.16589	354.28594	3.21519	14.35716	0.2585670	0.22603110	2.6690533	20	10 13.9	18.1
285280 1998 SF_{28}	17.3	X	359.85605	350.35729	14.39075	5.52023	0.2518755	0.27275129	2.3548225	20	12 18.9	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285281 1998 SD_{33}	17.6	X	182.77869	352.18388	359.56631	20.66593	0.0786884	0.38526614	1.8705191	20	2 15.1	20.0
285282 1998 SG_{33}	17.1	X	22.33905	209.05283	186.30829	21.15431	0.0865860	0.37088176	1.9185763	20	—	—
285283 1998 SM_{36}	17.9	X	226.45988	328.97104	7.83605	7.48212	0.1963519	0.29886979	2.2155491	20	3 14.2	21.2
285284 1998 SV_{47}	17.3	X	202.30264	176.70180	206.92125	3.61256	0.1566297	0.29892071	2.2152975	20	4 21.4	20.4
285285 1998 SP_{63}	17.4	X	48.99309	313.77811	52.15936	3.34699	0.2549780	0.27874510	2.3209434	20	—	—
285286 1998 SP_{76}	15.9	X	345.53890	94.01129	256.78395	13.75754	0.1568669	0.22536327	2.6743236	20	9 25.1	19.0
285287 1998 ST_{78}	17.6	X	242.16528	4.23901	335.09411	4.28543	0.1626846	0.30159736	2.2021709	20	3 31.4	20.9
285288 1998 SO_{96}	17.1	X	331.97067	234.19479	78.37346	2.23414	0.1949192	0.26465731	2.4025925	20	7 7.6	18.9
285289 1998 SD_{113}	17.4	X	35.64657	318.89068	65.85121	4.57142	0.2468105	0.27866941	2.3213637	20	—	—
285290 1998 SS_{140}	17.2	X	3.98158	114.41889	252.49697	3.64217	0.3448272	0.27386861	2.3484133	20	—	—
285291 1998 SJ_{152}	17.8	X	333.77513	354.35298	359.97377	2.68195	0.1869081	0.31381102	2.1446541	20	10 9.1	18.6
285292 1998 SL_{157}	17.3	X	85.79257	347.84161	40.69332	3.35786	0.2459719	0.23965034	2.5669497	20	1 7.3	20.0
285293 1998 SX_{173}	17.9	X	166.74424	191.75856	50.98510	0.68917	0.1537277	0.28078166	2.3097070	20	12 29.6	21.2
285294 1998 SP_{176}	17.9	X	151.14354	52.02313	6.86060	8.48582	0.1105769	0.29771013	2.2212987	20	4 11.9	20.8
285295 1998 TY_{4}	16.8	X	13.88864	27.12107	32.31633	6.84886	0.2557632	0.23177180	2.6247966	20	—	—
285296 1998 TZ_{4}	15.7	X	6.32833	340.51663	37.34967	10.68411	0.0902666	0.18110559	3.0939608	20	11 24.1	19.8
285297 1998 TQ_{7}	16.9	X	36.64711	202.37995	196.07042	3.77127	0.1877282	0.23442847	2.6049286	20	—	—
285298 1998 TR_{12}	17.4	X	275.34665	204.63805	213.87330	9.43680	0.2478513	0.21871740	2.7282270	20	8 10.7	21.1
285299 1998 TJ_{16}	15.6	X	19.14583	330.27470	49.10834	13.68351	0.2950409	0.22930448	2.6435915	20	—	—
285300 1998 TT_{16}	16.5	X	309.50440	100.33674	230.61712	5.75211	0.0306665	0.21470452	2.7621161	20	7 7.3	20.2
285301 1998 TU_{19}	16.6	X	16.77994	349.08905	34.68513	3.80603	0.0783381	0.22887167	2.6469233	20	12 29.3	19.9
285302 1998 UD_{12}	17.7	X	218.62409	157.69879	200.58745	5.43988	0.2126918	0.29836939	2.2180255	20	4 1.5	21.1
285303 1998 UD_{46}	16.2	X	0.99560	89.26879	168.93819	1.30653	0.0107291	0.16833203	3.2485649	20	6 12.2	20.6
285304 1998 VR_{3}	18.0	X	85.03740	359.44942	54.01125	2.24905	0.1936062	0.28555661	2.2838868	20	1 21.9	20.1
285305 1998 VN_{46}	18.1	X	206.40974	262.90908	43.14220	6.42731	0.1510199	0.29071525	2.2567884	20	1 18.9	21.6
285306 1998 VQ_{46}	18.2	X	185.33702	327.21233	59.94275	1.47938	0.1442817	0.29655056	2.2270854	20	4 9.8	21.6
285307 1998 WX_{36}	16.7	X	341.97692	306.83674	45.33802	2.86233	0.0573376	0.22059245	2.7127449	20	9 24.6	20.0
285308 1998 WV_{38}	17.3	X	246.05269	323.97978	76.75160	2.32874	0.1709183	0.25875704	2.4389783	20	6 28.2	20.8
285309 1998 WZ_{38}	16.9	X	312.61707	339.96371	98.42663	1.65054	0.0926234	0.22554930	2.6728529	20	12 4.3	20.0
285310 1998 XH_{4}	17.8	X	71.58370	353.52829	71.59151	3.24273	0.1880688	0.28444316	2.2898431	20	1 12.3	19.4
285311 1998 XV_{6}	17.8	X	62.35300	336.15628	85.59934	2.63466	0.2011538	0.28314340	2.2968453	20	—	—
285312 1998 XQ_{15}	17.8	X	331.43618	186.09787	220.44700	4.71994	0.1732958	0.26942115	2.3741870	20	12 12.8	19.8
285313 1998 XH_{18}	15.6	X	118.07740	309.75114	239.31478	11.63553	0.0158859	0.16876304	3.2430315	20	8 8.9	20.5
285314 1998 XT_{20}	16.8	X	282.04813	156.44453	281.61612	7.19540	0.1946867	0.21740517	2.7391941	20	9 24.9	20.2
285315 1998 YZ_{12}	16.9	X	118.08067	269.82287	106.34955	10.54874	0.2066755	0.23596864	2.5935812	20	1 30.1	20.5
285316 1998 YE_{17}	17.1	X	107.86804	136.08015	290.57372	9.37810	0.0740207	0.28446743	2.2897128	20	2 21.2	19.9
285317 1998 YR_{21}	16.9	X	198.80058	32.57693	116.57841	4.36773	0.1781425	0.21245419	2.7815862	20	9 25.4	21.4
285318 1999 BG_{30}	16.7	X	328.09066	152.77303	14.55367	1.10695	0.1052619	0.18527140	3.0474070	20	—	—
285319 1999 BD_{31}	15.4	X	112.64122	356.09713	104.17007	4.43720	0.0482461	0.15091018	3.4940064	20	4 24.1	20.4
285320 1999 CS_{10}	16.5	X	72.02238	136.40712	322.50126	13.06456	0.2105807	0.23664527	2.5886351	20	3 10.8	19.6
285321 1999 CT_{57}	15.4	X	359.73811	190.63853	346.68801	13.05431	0.3185293	0.18614516	3.0378632	20	2 8.2	18.1
285322 1999 CW_{134}	17.0	X	137.91344	271.23700	133.68007	1.10482	0.0780307	0.23760794	2.5816384	20	3 11.9	20.7
285323 1999 CY_{140}	17.3	X	4.77407	347.20983	130.05484	3.83718	0.0097448	0.23045945	2.6347518	20	—	—
285324 1999 CM_{147}	16.5	X	294.60481	45.64996	157.86514	5.39825	0.0923630	0.18071757	3.0983880	20	1 1.5	21.1
285325 1999 EH_{8}	17.2	X	49.07250	162.07308	109.06075	7.40175	0.1763660	0.29154615	2.2524985	20	10 16.6	20.1
285326 1999 EU_{10}	15.8	X	301.80273	69.01049	174.95695	13.02450	0.0652996	0.18654136	3.0335602	20	2 29.9	20.1
285327 1999 EL_{13}	18.1	X	28.28962	153.55428	337.11823	4.06507	0.0846825	0.27965039	2.3159318	20	1 22.8	20.3
285328 1999 FC_{3}	15.9	X	283.95675	219.18671	15.67789	7.25873	0.1223663	0.22672674	2.6635911	20	1 18.1	19.8
285329 1999 FG_{17}	16.3	X	274.85623	53.80056	154.71166	0.41145	0.1093309	0.17590467	3.1546496	20	—	—
285330 1999 FH_{17}	18.1	X	31.56320	47.91836	185.62620	3.41014	0.1256172	0.28710932	2.2756451	20	7 8.8	20.3
285331 1999 FN_{53}	18.3	X	71.00483	191.70756	50.59092	20.16251	0.4557242	0.43112778	1.7353965	20	11 8.5	21.2
285332 1999 FW_{74}	17.1	X	256.84770	31.67102	168.08278	5.28667	0.0544775	0.22095311	2.7097921	20	—	—
285333 1999 FZ_{74}	16.7	X	100.48763	296.92692	175.96390	16.48732	0.1776784	0.23876221	2.5733112	20	5 11.0	20.6
285334 1999 FO_{75}	16.5	X	349.53738	298.21471	175.62979	13.01277	0.2144516	0.22474809	2.6792015	20	—	—
285335 1999 FV_{87}	17.7	X	226.55454	323.10236	267.76244	0.50678	0.1291246	0.26695197	2.3888046	20	—	—
285336 1999 FO_{95}	16.5	X	274.33145	58.19508	93.63389	9.27500	0.1253584	0.21649010	2.7469074	20	—	—
285337 1999 GZ_{56}	15.8	X	309.56092	2.30756	207.51276	10.65347	0.1165910	0.17910826	3.1169199	20	1 21.3	20.4
285338 1999 JK_{5}	16.7	X	351.68772	135.96567	59.25322	23.63330	0.2214318	0.27678490	2.3318885	20	2 16.0	19.5
285339 1999 JR_{6}	18.0	X	147.13822	27.26927	52.64144	20.32875	0.6754864	0.61700719	1.3664987	20	5 30.2	20.7
285340 1999 LO_{6}	16.1	X	244.27634	68.14297	195.76729	25.09017	0.1364542	0.17393991	3.1783610	20	1 12.8	21.6
285341 1999 LB_{19}	15.6	X	348.46586	131.37001	86.57827	17.57782	0.2828090	0.18321373	3.0701814	20	3 22.9	19.0
285342 1999 RJ_{5}	17.9	X	171.55383	350.80155	315.51861	0.66311	0.1848849	0.25674749	2.4516882	20	—	—
285343 1999 RR_{5}	15.6	X	348.96477	343.09888	344.93753	8.97527	0.1095938	0.18654626	3.0335071	20	8 29.2	19.1
285344 1999 RE_{15}	16.0	X	302.09858	202.31296	159.91517	8.36327	0.2435009	0.18320774	3.0702483	20	7 6.6	19.9
285345 1999 RM_{29}	15.9	X	284.88360	193.75944	158.66485	26.37723	0.2219192	0.27754515	2.3276283	20	6 7.8	19.5
285346 1999 RA_{65}	17.0	X	213.96979	237.96295	160.25570	5.42375	0.2587205	0.27073301	2.3665112	20	5 19.2	21.1
285347 1999 RB_{70}	17.5	X	212.80612	134.85580	211.11052	0.47759	0.1990215	0.26602669	2.3943405	20	3 14.6	21.3
285348 1999 RL_{79}	17.1	X	263.74920	194.97752	134.52289	6.01115	0.1613584	0.27125844	2.3634543	20	4 16.9	20.4
285349 1999 RS_{99}	16.1	X	168.90622	91.17521	287.30967	12.96736	0.3429590	0.21624358	2.7489947	20	3 18.8	21.5
285350 1999 RP_{126}	15.5	X	321.96964	174.97963	197.15781	7.92631	0.2825042	0.18704248	3.0281395	20	8 23.2	18.3
285351 1999 RJ_{133}	17.0	X	355.74722	280.69983	343.56562	4.67533	0.0529282	0.22681997	2.6628611	20	6 13.6	20.3
285352 1999 RP_{149}	15.8	X	323.98206	37.31710	338.73983	3.90068	0.2230021	0.23578456	2.5949310	20	9 24.4	17.8
285353 1999 RB_{176}	16.0	X	317.52742	44.34465	338.81224	11.08846	0.1949483	0.23488624	2.6015430	20	9 19.6	18.3
285354 1999 RU_{187}	15.7	X	223.74949	114.31442	169.04913	9.45328	0.2165314	0.21355438	2.7720245	20	1 12.8	20.6
285355 1999 RF_{212}	15.9	X	339.28909	50.04053	292.62862	11.78367	0.3177005	0.18589593	3.0405779	20	8 21.2	18.2
285356 1999 RS_{233}	16.9	X	305.59434	309.62309	64.07270	7.46717	0.1759781	0.27994110	2.3143282	20	8 28.2	19.0
285357 1999 RX_{239}	16.3	X	346.07508	47.41412	307.39914	11.16332	0.2129436	0.23722860	2.5843898	20	10 10.4	18.8
285358 1999 RK_{255}	16.9	X	169.62967	93.03172	275.14104	5.31681	0.2277755	0.26158977	2.4213387	20	3 4.6	21.0
285359 1999 TL_{24}	17.3	X	140.26130	77.53421	56.86377	2.87432	0.1620025	0.27088400	2.3656318	20	7 17.4	21.0
285360 1999 TX_{33}	17.5	X	144.67660	162.86523	198.38312	5.22344	0.1837653	0.30494584	2.1860206	20	1 25.7	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285361 1999 TC_{44}	17.2	X	22.32412	338.17985	313.61584	2.67938	0.0711291	0.23074259	2.6325960	20	9 4.2	20.4
285362 1999 TR_{53}	18.0	X	238.87904	0.99278	351.96139	3.21708	0.1119898	0.31527004	2.1380322	20	4 19.5	20.9
285363 1999 TU_{55}	16.8	X	128.83141	19.40429	20.86171	3.08767	0.0604059	0.20999461	2.8032637	20	2 25.8	20.7
285364 1999 TX_{61}	17.8	X	88.44356	240.66939	214.17601	1.19085	0.0624538	0.30591304	2.1814105	20	3 2.4	19.9
285365 1999 TR_{64}	17.4	X	82.40694	96.67413	346.45688	2.38831	0.1690776	0.25826662	2.4420649	20	2 29.8	20.1
285366 1999 TQ_{66}	17.9	X	272.15803	81.31221	295.46530	1.11807	0.2198123	0.27433554	2.3457479	20	6 20.7	20.6
285367 1999 TY_{67}	15.2	X	269.35558	252.41224	86.12907	3.14848	0.2766882	0.12599763	3.9405890	20	4 25.0	21.1
285368 1999 TW_{70}	17.8	X	352.15437	90.77329	207.77977	3.79533	0.1574481	0.27621319	2.3351051	20	8 3.6	19.6
285369 1999 TE_{76}	17.0	X	227.42395	50.02431	27.41174	3.66859	0.1049112	0.22561510	2.6723332	20	8 2.4	20.8
285370 1999 TO_{78}	16.7	X	311.26485	7.86082	23.79309	4.33912	0.0615774	0.18677990	3.0309768	20	9 25.0	20.6
285371 1999 TH_{86}	17.3	X	210.07008	167.88697	156.10075	1.75872	0.1905623	0.25891895	2.4379614	20	2 15.3	21.3
285372 1999 TH_{91}	17.6	X	309.88158	199.76790	171.06558	4.13012	0.2665618	0.27967323	2.3158057	20	8 12.6	18.9
285373 1999 TE_{92}	17.2	X	59.89232	217.96114	143.71331	5.96272	0.2794278	0.24576067	2.5242234	20	—	—
285374 1999 TY_{94}	16.7	X	340.51041	227.49461	131.17720	7.35490	0.1359577	0.28246501	2.3005214	20	10 22.6	18.8
285375 1999 TM_{122}	16.5	X	165.39828	207.43780	179.25951	9.93246	0.2175643	0.26167830	2.4207926	20	3 26.4	20.4
285376 1999 TB_{125}	17.2	X	311.64863	10.22320	304.27182	1.71204	0.2214136	0.27494254	2.3422941	20	5 20.6	19.6
285377 1999 TP_{130}	15.3	X	206.29426	232.34290	189.35095	14.91624	0.0446010	0.17693542	3.1423860	20	6 20.0	20.2
285378 1999 TK_{134}	16.2	X	291.48897	118.05254	240.66808	1.82156	0.2724129	0.18008113	3.1056838	20	6 11.7	20.2
285379 1999 TR_{136}	15.6	X	320.60944	189.39069	208.83218	10.22462	0.0614539	0.18782176	3.0197578	20	10 15.8	19.5
285380 1999 TQ_{139}	17.0	X	149.97746	180.05650	216.11113	5.31764	0.1898840	0.25984717	2.4321520	20	3 20.8	20.9
285381 1999 TK_{143}	17.0	X	131.04177	122.62977	244.67060	1.74937	0.1861620	0.25479747	2.4641812	20	1 26.7	20.4
285382 1999 TA_{149}	16.0	X	11.16127	355.53907	5.28020	6.89391	0.2243345	0.19143174	2.9816735	20	11 30.4	19.5
285383 1999 TX_{157}	17.8	X	247.59951	89.45699	287.91745	1.08674	0.2101845	0.27107889	2.3644978	20	5 24.6	21.2
285384 1999 TG_{161}	15.3	X	351.71428	200.56789	205.69915	13.24456	0.0439188	0.19387334	2.9565870	20	12 10.1	19.4
285385 1999 TS_{176}	17.9	X	260.25574	59.87874	0.35498	5.49751	0.1747102	0.27679609	2.3318257	20	8 15.6	20.7
285386 1999 TT_{177}	16.4	X	168.78173	177.10507	209.76334	10.57442	0.3597805	0.21324479	2.7747068	20	4 3.6	21.6
285387 1999 TX_{183}	15.3	X	251.63472	58.11238	312.88204	15.06341	0.2444612	0.17609785	3.1523422	20	5 13.9	20.6
285388 1999 TN_{185}	16.7	X	359.81346	146.13246	260.09561	12.26725	0.2417358	0.24107638	2.5568167	20	—	—
285389 1999 TS_{196}	16.1	X	33.83995	348.10014	17.72183	15.60202	0.1849707	0.24034577	2.5619957	20	—	—
285390 1999 TG_{211}	16.9	X	254.26955	327.12742	18.90484	5.66270	0.2750548	0.27174441	2.3606357	20	4 13.9	20.6
285391 1999 TM_{212}	15.6	X	347.64453	358.64215	9.66398	10.99475	0.1355099	0.18751590	3.0230406	20	10 18.4	19.0
285392 1999 TH_{219}	16.8	X	31.28146	345.49515	359.62920	13.41402	0.2775124	0.24044102	2.5613190	20	—	—
285393 1999 TJ_{220}	16.4	X	28.75989	88.90637	293.74201	4.26536	0.1881636	0.24196478	2.5505546	20	—	—
285394 1999 TK_{225}	16.7	X	220.96589	76.62667	194.34198	4.96082	0.0900950	0.25769025	2.4457049	20	—	—
285395 1999 TE_{254}	16.9	X	9.08915	56.89807	252.10668	2.51654	0.1411108	0.23182543	2.6243917	20	9 15.0	19.8
285396 1999 TW_{263}	16.4	X	293.51967	150.36366	210.71742	2.12802	0.0860430	0.17844429	3.1246469	20	7 15.9	20.6
285397 1999 TR_{266}	15.4	X	243.51931	63.26103	316.73570	14.99850	0.2478138	0.17583309	3.1555058	20	5 17.7	20.9
285398 1999 TN_{278}	15.4	X	248.70501	343.29060	32.40386	10.60498	0.1268638	0.17312065	3.1883804	20	5 31.6	20.2
285399 1999 TY_{289}	15.6	X	308.32617	127.57565	198.84371	15.34207	0.2790949	0.17891977	3.1191086	20	5 25.1	19.6
285400 1999 TY_{293}	17.7	X	178.01519	329.31275	338.96143	1.84464	0.2028699	0.25752210	2.4467694	20	1 1.5	21.7
285401 1999 TN_{294}	16.9	X	172.73132	127.06152	179.56255	8.87357	0.2081246	0.25652175	2.4531264	20	—	—
285402 1999 TO_{309}	16.1	X	223.81287	10.51678	16.67405	5.47619	0.1839630	0.17279277	3.1924125	20	5 16.4	21.3
285403 1999 TT_{319}	17.9	X	283.79107	249.30233	201.93430	1.20472	0.2057431	0.23496560	2.6009571	20	10 23.4	20.5
285404 1999 TU_{321}	17.1	X	244.18039	327.45961	28.82582	6.38103	0.1488123	0.26835100	2.3804948	20	4 28.9	20.6
285405 1999 UZ_{3}	16.0	X	263.52376	161.09330	232.71336	10.56659	0.2536509	0.17747337	3.1360328	20	6 24.8	20.8
285406 1999 UV_{20}	17.1	X	70.55554	196.93536	83.14200	2.47807	0.1413650	0.23757235	2.5818963	20	11 5.5	20.8
285407 1999 US_{28}	17.3	X	226.64739	315.32806	144.83035	1.65660	0.1542553	0.23004254	2.6379341	20	8 24.8	21.2
285408 1999 UT_{28}	16.0	X	302.48341	24.26447	27.02334	11.79309	0.1008754	0.18731223	3.0252316	20	10 5.3	19.8
285409 1999 UF_{32}	17.4	X	173.71765	80.66090	53.29820	2.10582	0.1245666	0.22577950	2.6710358	20	8 16.1	21.6
285410 1999 US_{39}	16.2	X	247.61785	65.32063	37.12741	6.06060	0.0932683	0.18636722	3.0354496	20	9 26.0	20.5
285411 1999 VW_{2}	17.1	X	124.47293	185.99394	259.01800	5.02551	0.0585144	0.30842676	2.1695418	20	4 6.9	19.7
285412 1999 VD_{3}	16.6	X	201.37549	3.78699	223.55328	15.31937	0.1294087	0.24176979	2.5519257	20	—	—
285413 1999 VC_{17}	17.8	X	203.61091	36.20139	354.65741	2.05377	0.2140818	0.26646767	2.3916982	20	4 30.9	21.9
285414 1999 VK_{39}	16.7	X	311.32070	0.31376	66.95479	5.49673	0.1909535	0.23438739	2.6052329	20	11 16.4	19.1
285415 1999 VQ_{42}	17.6	X	220.88478	358.32021	313.03432	1.77923	0.2034614	0.26073727	2.4266137	20	2 8.7	21.7
285416 1999 VX_{42}	16.5	X	211.86782	8.58808	102.61910	2.91615	0.1302748	0.17845907	3.1244743	20	8 21.8	21.3
285417 1999 VH_{46}	16.1	X	202.40361	127.74521	236.52384	10.90034	0.2554875	0.26356440	2.4092297	20	3 24.5	20.5
285418 1999 VM_{46}	17.6	X	214.02648	81.66851	246.34702	6.88700	0.0605654	0.40304501	1.8150991	20	2 3.9	19.5
285419 1999 VE_{73}	17.5	X	200.92441	0.30112	11.57656	2.91810	0.2552248	0.26608144	2.3940120	20	4 5.1	21.6
285420 1999 VR_{74}	15.5	X	203.88370	41.29273	33.09751	13.32683	0.1084499	0.17568273	3.1573060	20	6 29.9	20.6
285421 1999 VT_{76}	16.3	X	303.01921	150.83190	212.98787	5.82386	0.0859384	0.17771706	3.1331652	20	7 31.7	20.4
285422 1999 VJ_{96}	17.5	X	251.05820	356.04383	43.35090	7.50154	0.1039157	0.27300108	2.3533859	20	7 14.2	20.6
285423 1999 VM_{100}	15.7	X	217.05485	238.55668	230.87005	9.24745	0.0947179	0.17973645	3.1096531	20	8 23.4	20.5
285424 1999 VO_{101}	15.7	X	232.47989	30.35505	50.48451	13.99743	0.1441525	0.17718843	3.1393940	20	8 8.4	20.7
285425 1999 VY_{102}	15.8	X	288.52825	203.49091	229.12595	9.44191	0.1145234	0.18515420	3.0486928	20	10 5.1	19.9
285426 1999 VK_{103}	16.2	X	302.46168	114.11675	232.07442	7.80296	0.2004470	0.17775021	3.1327757	20	6 22.4	20.1
285427 1999 VL_{103}	17.1	X	177.85811	286.74188	48.86924	1.99501	0.1959547	0.25630443	2.4545128	20	2 3.5	21.0
285428 1999 VX_{112}	16.2	X	243.24668	7.98787	69.02861	12.03746	0.1999690	0.22492056	2.6778317	20	8 11.1	20.3
285429 1999 VM_{123}	17.2	X	287.51704	180.67065	206.37208	2.98665	0.1478104	0.27535828	2.3399359	20	8 11.0	19.5
285430 1999 VU_{123}	18.3	X	192.83069	337.82998	91.05832	2.44101	0.1516928	0.26680202	2.3896996	20	6 11.6	21.8
285431 1999 VS_{125}	16.2	X	352.26513	153.80361	162.58489	0.17399	0.0794898	0.17965585	3.1105831	20	8 16.3	20.1
285432 1999 VV_{126}	17.8	X	353.03825	226.99570	176.22686	2.18139	0.1998787	0.24028496	2.5624279	20	—	—
285433 1999 VD_{127}	16.6	X	8.94174	225.84804	53.98984	3.31372	0.0679646	0.22770914	2.6559246	20	7 29.2	19.8
285434 1999 VZ_{130}	18.8	X	282.69017	15.25932	30.53251	1.77268	0.1857696	0.27722126	2.3294409	20	8 27.3	21.1
285435 1999 VL_{141}	17.1	X	122.66520	92.82334	275.22982	1.12307	0.1925643	0.25266852	2.4780038	20	1 19.7	20.5
285436 1999 VR_{146}	16.4	X	5.40662	150.31700	222.25324	11.53841	0.1775134	0.23714631	2.5849876	20	12 14.8	19.5
285437 1999 VJ_{148}	16.7	X	167.96861	290.14288	67.13500	6.07063	0.1260748	0.25688625	2.4508053	20	2 18.5	20.4
285438 1999 VP_{151}	16.4	X	136.89142	12.41825	43.21984	3.66487	0.1383501	0.21025368	2.8009605	20	4 2.4	20.5
285439 1999 VC_{155}	16.0	X	265.07059	270.53518	44.43586	7.17766	0.0658887	0.16851771	3.2461781	20	4 16.1	20.6
285440 1999 VE_{167}	17.2	X	17.16169	332.88477	42.03573	5.85666	0.3031203	0.23910649	2.5708405	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285441 1999 VT_{183}	16.3	X	121.86636	133.70863	233.67581	8.41007	0.2190917	0.25148164	2.4857943	20	1 19.5	19.9
285442 1999 VJ_{185}	15.8	X	34.38078	332.78401	65.99276	12.87101	0.0573750	0.19453373	2.9498919	20	—	—
285443 1999 VM_{185}	17.9	X	134.24567	307.61638	69.97990	4.96174	0.2226150	0.30277129	2.1964749	20	2 13.4	20.9
285444 1999 VP_{202}	17.6	X	92.83636	216.42640	208.46435	0.73297	0.1757897	0.25464305	2.4651773	20	2 21.5	20.3
285445 1999 VS_{204}	16.7	X	172.33619	196.75375	224.54113	2.70910	0.1858307	0.21699499	2.7426449	20	5 14.1	21.2
285446 1999 VD_{212}	16.2	X	200.43910	285.00372	235.74921	11.17301	0.2305116	0.22911019	2.6450859	20	10 3.8	20.7
285447 1999 VE_{222}	15.4	X	80.50856	85.86164	227.08964	10.49165	0.1170961	0.19325854	2.9628540	20	12 14.2	19.9
285448 1999 WK_{19}	16.0	X	166.81400	281.48266	231.82115	13.28106	0.0809228	0.22680211	2.6630010	20	8 27.7	20.3
285449 1999 XO_{9}	16.4	X	15.37127	100.08236	252.76579	10.21206	0.2105926	0.23468708	2.6030145	20	12 8.5	19.3
285450 1999 XJ_{62}	17.0	X	227.04075	303.63307	67.10078	7.27565	0.1535653	0.26534317	2.3984506	20	5 1.8	20.5
285451 1999 XK_{111}	16.1	X	283.27599	48.60481	38.79320	31.93813	0.3201906	0.23293694	2.6160365	20	10 11.6	19.2
285452 1999 XC_{137}	15.9	X	20.54916	138.88262	277.08430	9.05612	0.3237451	0.24356159	2.5393946	20	—	—
285453 1999 XK_{138}	16.6	X	219.82203	261.62736	227.61645	4.89291	0.1602314	0.22950150	2.6420784	20	9 21.1	20.6
285454 1999 XD_{210}	16.2	X	203.71833	123.21770	354.24578	7.52699	0.2919544	0.22224314	2.6992958	20	8 15.7	21.0
285455 1999 XK_{210}	16.1	X	231.42216	98.81849	318.13695	12.03168	0.1871124	0.22045078	2.7139070	20	7 2.4	20.4
285456 1999 XL_{232}	17.3	X	282.16161	236.60725	200.09790	1.08079	0.0500167	0.23190423	2.6237972	20	10 21.1	20.5
285457 1999 XO_{235}	17.3	X	30.50311	118.89532	253.95757	6.68320	0.1278826	0.28626162	2.2801354	20	—	—
285458 1999 XQ_{246}	17.5	X	4.43336	90.88374	280.47090	2.32174	0.1836344	0.23616996	2.5921071	20	12 12.4	20.3
285459 1999 XB_{252}	15.9	X	285.99159	302.22611	77.80949	11.75905	0.1446880	0.17709663	3.1404787	20	7 23.2	20.2
285460 1999 XQ_{254}	16.2	X	135.14197	258.37822	287.05715	11.83030	0.0709320	0.22028730	2.7152495	20	9 2.0	20.4
285461 1999 XY_{259}	16.4	X	294.42172	135.63184	283.47192	13.03720	0.0939970	0.22739973	2.6583332	20	10 1.8	19.9
285462 1999 YX_{1}	15.2	X	181.76422	289.05619	234.12532	20.21822	0.1514857	0.18157999	3.0885696	20	9 16.4	20.6
285463 1999 YQ_{7}	16.1	X	26.04708	247.60794	91.46178	8.02764	0.2034971	0.23548643	2.5971206	20	12 5.3	19.4
285464 1999 YD_{10}	18.0	X	172.97506	289.93636	127.04338	2.84287	0.1633834	0.26285704	2.4135500	20	5 8.9	21.8
285465 1999 YF_{11}	16.7	X	293.84308	359.86948	123.22159	3.81015	0.1359602	0.23742030	2.5829985	20	—	—
285466 1999 YL_{23}	17.8	X	112.13498	324.79579	121.88075	2.40052	0.1614918	0.25766295	2.4458777	20	4 14.9	21.1
285467 1999 YX_{23}	17.7	X	279.56633	269.45443	164.16273	2.30042	0.1956944	0.23064561	2.6333338	20	9 21.8	20.6
285468 1999 YE_{24}	15.5	X	79.12566	309.95391	211.82711	4.96637	0.0643671	0.16683176	3.2680114	20	5 29.6	20.1
285469 2000 AV_{37}	16.3	X	347.67853	280.37660	97.44399	13.04140	0.1861916	0.23045005	2.6348234	20	11 23.3	19.0
285470 2000 AH_{197}	15.3	X	32.63308	134.61775	264.86090	11.29198	0.2805546	0.23878124	2.5731745	20	—	—
285471 2000 AT_{207}	16.8	X	252.32911	296.50225	135.31913	12.91959	0.2327533	0.26954043	2.3734865	20	8 9.8	19.7
285472 2000 AD_{208}	15.2	X	7.05106	286.20950	76.51108	10.73876	0.0262528	0.18576360	3.0420217	20	11 5.8	19.4
285473 2000 AR_{212}	17.2	X	143.59628	203.10157	253.27993	8.54103	0.2591154	0.21397948	2.7683519	20	6 4.9	22.0
285474 2000 AU_{218}	16.9	X	306.24985	336.18448	89.21408	2.95454	0.1842837	0.18224452	3.0810570	20	10 19.4	20.2
285475 2000 AE_{221}	16.6	X	269.74262	41.24478	312.07801	4.64059	0.0519351	0.21398167	2.7683331	20	6 9.6	20.5
285476 2000 AV_{248}	16.5	X	4.59034	262.84360	105.42124	5.68520	0.2129491	0.23587650	2.5942566	20	12 13.4	19.3
285477 2000 BH_{10}	16.4	X	218.52032	256.29752	132.49312	4.49659	0.1041213	0.21070077	2.7969968	20	5 20.6	20.7
285478 2000 BM_{13}	17.8	X	145.66986	163.55064	315.42176	1.96084	0.1422122	0.26037235	2.4288805	20	6 30.5	21.3
285479 2000 BH_{22}	17.0	X	311.33476	95.78356	325.94237	3.63315	0.2408717	0.22926112	2.6439248	20	10 31.2	19.1
285480 2000 BZ_{23}	15.5	X	304.17431	21.96693	89.92947	18.74295	0.1334585	0.18534990	3.0465465	20	12 19.8	19.0
285481 2000 BT_{42}	17.5	X	322.30023	275.40185	121.27086	1.09264	0.1948465	0.22818900	2.6521998	20	10 23.5	19.7
285482 2000 BG_{49}	16.8	X	171.97265	2.43734	126.42397	11.06377	0.2045473	0.21717582	2.7411222	20	8 5.8	21.5
285483 2000 BW_{50}	16.5	X	292.06919	107.47700	298.66333	4.99392	0.0620603	0.22409643	2.6843930	20	9 18.7	19.8
285484 2000 CS_{12}	16.0	X	310.65804	177.65893	273.77647	6.46468	0.2214514	0.18505529	3.0497791	20	11 27.9	19.0
285485 2000 CN_{64}	17.0	X	322.88959	105.90297	333.06462	3.56235	0.2891363	0.23383632	2.6093244	20	—	—
285486 2000 CY_{71}	17.9	X	279.98211	4.90542	91.65650	0.23037	0.1009629	0.27588651	2.3369481	20	11 19.4	20.1
285487 2000 CH_{74}	17.5	X	152.95018	271.05350	131.04564	3.43572	0.1869131	0.25329786	2.4738975	20	4 3.3	21.3
285488 2000 CR_{74}	17.2	X	323.75844	343.42100	133.59672	4.50259	0.1189978	0.23622945	2.5916719	20	—	—
285489 2000 CL_{99}	16.4	X	250.67786	97.64011	328.75052	4.35449	0.0125344	0.21765511	2.7370966	20	8 27.9	20.2
285490 2000 CU_{100}	15.4	X	59.98491	211.10021	133.54631	10.76467	0.0643937	0.18184724	3.0855428	20	12 21.2	19.9
285491 2000 CK_{114}	15.6	X	168.74119	253.00807	310.63719	8.28093	0.1439046	0.17705936	3.1409194	20	10 24.9	20.9
285492 2000 CL_{134}	17.1	X	337.23594	107.76694	291.82058	0.87751	0.0815475	0.22726355	2.6593951	20	11 21.5	20.1
285493 2000 CD_{135}	17.0	X	297.24975	253.93908	144.10688	2.99494	0.1507520	0.22235974	2.6983521	20	9 7.2	20.1
285494 2000 CM_{139}	17.7	X	329.25681	115.22161	129.00230	5.15143	0.1027765	0.30097395	2.2052108	20	3 25.9	19.8
285495 2000 CX_{149}	15.8	X	316.60263	274.20226	144.02506	13.34905	0.0370172	0.17788123	3.1312372	20	11 8.3	20.3
285496 2000 DZ_{9}	17.5	X	246.45575	311.72480	150.77854	2.41779	0.1111458	0.27142727	2.3624741	20	10 4.1	20.3
285497 2000 DN_{11}	16.3	X	11.34018	283.09873	0.47084	3.53678	0.0704233	0.20938374	2.8087133	20	8 5.7	19.8
285498 2000 DU_{20}	16.9	X	106.05462	227.07201	307.29181	4.12831	0.1280937	0.26026894	2.4295238	20	7 30.6	20.1
285499 2000 DF_{38}	16.2	X	214.66869	142.97704	331.29003	9.51160	0.1044225	0.21908686	2.7251589	20	9 1.9	20.2
285500 2000 DR_{39}	17.0	X	216.22470	265.31938	166.78328	10.34420	0.1283827	0.26280704	2.4138562	20	7 10.7	20.6
285501 2000 DM_{40}	16.1	X	164.85125	203.80190	311.05691	2.65382	0.1183849	0.21667062	2.7453814	20	8 31.5	20.3
285502 2000 DU_{42}	15.7	X	277.02979	264.19785	346.51689	10.00878	0.0934051	0.19449555	2.9502779	20	2 7.3	20.0
285503 2000 DV_{46}	16.5	X	213.20939	37.73340	165.58093	6.89518	0.1560623	0.22809058	2.6529628	20	12 17.7	20.4
285504 2000 DH_{49}	16.2	X	230.76415	359.49823	146.13445	6.49683	0.1384411	0.17669446	3.1452422	20	10 22.5	20.9
285505 2000 DS_{57}	16.3	X	186.74117	171.96389	329.32706	7.28397	0.1609136	0.21794469	2.7346716	20	9 3.2	20.7
285506 2000 EZ_{15}	17.2	X	173.98331	356.02965	342.22337	3.81255	0.0200637	0.24157857	2.5532722	20	1 24.2	20.5
285507 2000 EL_{23}	16.3	X	201.58521	44.71228	165.35411	0.84891	0.1311060	0.17978290	3.1091174	20	12 6.5	21.2
285508 2000 EF_{33}	17.3	X	87.35768	83.79988	123.35045	4.93744	0.0630956	0.30922571	2.1658032	20	8 19.2	19.7
285509 2000 EK_{36}	15.9	X	168.13530	89.18366	133.80260	13.87825	0.1708572	0.22292154	2.6938166	20	11 28.6	20.5
285510 2000 EG_{51}	16.4	X	239.39520	231.17911	211.17464	1.09175	0.1595187	0.21811414	2.7332551	20	8 13.6	20.4
285511 2000 EJ_{52}	17.7	X	344.35165	177.06183	343.11839	1.69260	0.0730539	0.24059437	2.5602306	20	1 3.2	20.7
285512 2000 ER_{72}	17.5	X	327.84912	177.67603	334.39147	6.31542	0.0651255	0.28759295	2.2730931	20	—	—
285513 2000 EZ_{99}	17.4	X	22.40686	123.55416	358.04019	3.36223	0.0726557	0.28970471	2.2620334	20	—	—
285514 2000 EJ_{101}	17.1	X	298.72272	177.43428	27.52494	14.32098	0.1897570	0.23684045	2.5872127	20	—	—
285515 2000 ET_{114}	17.3	X	137.77969	200.83860	290.31788	1.71846	0.1510863	0.25853832	2.4403536	20	7 8.9	21.1
285516 2000 EU_{146}	15.6	X	130.45212	341.68482	117.63685	13.25780	0.1490548	0.20550008	2.8439899	20	5 24.0	20.2
285517 2000 EO_{152}	17.4	X	51.51855	34.07681	170.78971	4.14756	0.1010073	0.30352866	2.1928196	20	6 26.3	19.6
285518 2000 EE_{186}	16.1	X	37.92769	266.23943	324.79244	6.38375	0.0914074	0.20999976	2.8032178	20	7 7.6	19.6
285519 2000 EV_{196}	16.5	X	178.87642	3.72977	175.78782	13.75985	0.1485286	0.21980372	2.7192305	20	10 16.6	20.9
285520 2000 FO_{4}	16.6	X	117.89952	349.55089	211.72594	3.16890	0.0409101	0.21248053	2.7813562	20	9 3.9	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285521 2000 FT_5	16.1	X	32.26161	113.88372	12.34171	10.50190	0.0687452	0.19149324	2.9810351	20	2 12.3	20.0
285522 2000 FW_5	16.1	X	296.21065	214.06066	13.00860	8.32690	0.0208889	0.19085937	2.9876317	20	2 12.3	20.3
285523 2000 FX_9	16.9	X	173.43179	240.71101	22.03308	4.40050	0.0354746	0.22805776	2.6532172	20	—	—
285524 2000 FQ_{22}	15.4	X	91.57832	198.80965	35.73657	17.98833	0.1934925	0.21245450	2.7815834	20	10 8.2	19.9
285525 2000 FQ_{24}	16.1	X	213.45777	102.62898	142.35505	15.21556	0.1081147	0.23048502	2.6345569	20	—	—
285526 2000 FX_{50}	16.8	X	81.39902	45.21366	197.68473	3.83850	0.0186016	0.21329581	2.7742643	20	9 9.9	20.5
285527 2000 FJ_{52}	16.5	X	93.02126	40.28608	182.10516	0.76315	0.0683301	0.16289920	3.3203976	20	8 30.7	21.2
285528 2000 FY_{71}	16.1	X	223.97100	114.33084	97.40470	14.06110	0.2032395	0.22793913	2.6541377	20	—	—
285529 2000 FO_{73}	17.0	X	317.97828	285.96207	187.99138	2.30717	0.0280225	0.22996609	2.6385187	20	—	—
285530 2000 GT_{15}	18.1	X	358.87927	340.14484	233.98528	0.54964	0.1939565	0.29528135	2.2334627	20	3 22.1	19.2
285531 2000 GS_{22}	17.4	X	277.78062	152.39063	27.52559	5.05800	0.0998883	0.28056468	2.3108977	20	—	—
285532 2000 GK_{25}	17.0	X	177.53171	281.19099	13.86302	6.70207	0.1315909	0.28006557	2.3136424	20	—	—
285533 2000 GR_{29}	17.6	X	143.86545	298.06566	207.68220	1.70796	0.1741310	0.25898040	2.4375757	20	8 3.5	21.4
285534 2000 GK_{36}	17.4	X	265.23871	72.71253	190.79275	3.71744	0.2168409	0.23825145	2.5769877	20	1 20.5	21.7
285535 2000 GU_{37}	16.8	X	232.19769	23.24167	204.49622	6.17629	0.1215120	0.23029736	2.6359879	20	—	—
285536 2000 GP_{73}	16.2	X	251.45583	324.38833	215.23518	15.40906	0.1331425	0.22662259	2.6644071	20	—	—
285537 2000 GW_{109}	15.6	X	92.27733	195.08933	37.02263	14.80111	0.1211225	0.21219476	2.7838528	20	9 29.0	19.9
285538 2000 GK_{111}	16.9	X	272.45120	212.67551	325.20230	4.03173	0.2492300	0.23141946	2.6274601	20	—	—
285539 2000 GY_{120}	18.0	X	315.54432	86.21377	172.71343	2.39327	0.1803064	0.24473067	2.5313010	20	3 16.4	20.9
285540 2000 GU_{127}	18.5	X	186.79570	138.83129	171.94328	8.49048	0.7270564	0.32271709	2.1050128	20	1 22.3	23.6
285541 2000 GM_{132}	17.0	X	197.54703	96.72038	187.29315	3.76588	0.1652580	0.23181963	2.6244356	20	—	—
285542 2000 GM_{139}	17.1	X	0.28047	94.46148	113.21181	7.01654	0.1147517	0.29429695	2.2384404	20	3 27.2	19.1
285543 2000 GH_{170}	15.7	X	119.09687	146.64922	356.85019	15.04886	0.0772122	0.20507000	2.8479648	20	6 27.6	20.2
285544 2000 GG_{180}	16.6	X	202.52723	97.49243	39.97631	2.36127	0.0255829	0.21507157	2.7589725	20	9 27.0	20.5
285545 2000 GX_{180}	17.2	X	289.97842	256.00512	29.94947	5.99734	0.1246082	0.29303332	2.2448710	20	3 23.6	19.8
285546 2000 HJ_{20}	17.3	X	77.27539	159.43345	220.64923	21.38210	0.0483264	0.37579735	1.9018091	20	—	—
285547 2000 HL_{32}	17.6	X	248.15942	237.57747	28.13195	2.65323	0.2198322	0.28308369	2.2971683	20	1 4.6	21.3
285548 2000 HQ_{66}	17.5	X	177.97248	220.66681	57.21877	0.72723	0.1485478	0.27568194	2.3381041	20	—	—
285549 2000 JA_5	17.9	X	273.72043	87.70863	181.18257	1.63419	0.1611152	0.28769542	2.2725533	20	2 3.8	21.0
285550 2000 JR_7	16.1	X	232.49895	77.07159	202.88175	4.17818	0.1161071	0.18540217	3.0459739	20	1 22.8	20.8
285551 2000 JJ_{68}	17.9	X	240.73428	77.27995	205.06140	3.97064	0.1517697	0.28575073	2.2828523	20	1 19.6	21.5
285552 2000 JS_{90}	16.0	X	165.57561	275.29677	171.39896	9.28663	0.1094938	0.20465157	2.8518455	20	6 7.7	20.6
285553 2000 KN_1	16.7	X	180.42715	133.47372	121.18512	25.66947	0.0956300	0.37132727	1.9170414	20	—	—
285554 2000 KN_4	16.2	X	207.76216	48.83049	219.53158	28.23056	0.2255510	0.22829256	2.6513977	20	—	—
285555 2000 KV_{39}	15.8	X	211.02526	23.81950	94.74241	7.93513	0.0562838	0.21001632	2.8030705	20	9 12.2	19.9
285556 2000 KV_{40}	17.1	X	189.01324	47.18230	230.95118	3.77103	0.0687563	0.22762215	2.6566013	20	—	—
285557 2000 KV_{44}	16.5	X	260.70789	100.72241	107.20173	9.35228	0.0432580	0.22859789	2.6490362	20	—	—
285558 2000 KR_{45}	17.4	X	244.87099	65.05611	203.08740	4.84218	0.0720264	0.28294930	2.2978957	20	1 10.1	20.7
285559 2000 KE_{51}	16.6	X	149.39241	46.27717	234.35160	13.32359	0.1555084	0.22236991	2.6982698	20	—	—
285560 2000 KO_{57}	16.4	X	73.12836	47.08667	230.90529	6.67411	0.1111654	0.21248598	2.7813087	20	10 27.3	20.5
285561 2000 KN_{63}	16.6	X	226.88960	166.10088	88.92798	8.81882	0.2876880	0.22941465	2.6427452	20	—	—
285562 2000 KC_{65}	16.2	X	144.22056	110.50484	100.18014	8.76409	0.1587789	0.21435957	2.7650785	20	10 23.9	20.8
285563 2000 KK_{66}	17.2	X	164.65208	138.85610	117.92215	25.48966	0.0705779	0.36893008	1.9253366	20	—	—
285564 2000 KJ_{70}	16.0	X	145.94072	182.34967	61.32945	14.67065	0.1775015	0.21804243	2.7338544	20	11 29.3	20.5
285565 2000 LX_6	17.5	X	182.81502	110.48901	139.35179	3.49268	0.1853568	0.27193444	2.3595358	20	—	—
285566 2000 NM_{10}	17.2	X	165.56272	136.89142	166.08566	3.74683	0.2618041	0.27129483	2.3632429	20	—	—
285567 2000 OM	18.6	X	13.62050	73.94400	123.55360	13.58332	0.6406491	0.44412960	1.7013601	20	8 17.1	18.8
285568 2000 OX_8	16.0	X	145.20718	223.82794	146.60057	24.67846	0.2866377	0.27113004	2.3642004	20	2 22.8	19.7
285569 2000 OC_9	16.2	X	121.92499	359.47840	348.56159	7.83091	0.2988007	0.26557921	2.3970292	20	1 7.2	19.6
285570 2000 OK_{32}	16.7	X	172.53499	151.21568	219.47368	3.80527	0.2539614	0.27702930	2.3305168	20	3 11.4	20.8
285571 2000 PQ_9	18.1	X	201.77341	6.90023	297.21826	13.47539	0.4318032	0.37514289	1.9040203	20	1 11.9	21.8
285572 2000 PU_{18}	15.6	X	231.94800	338.99827	320.80659	15.76768	0.2649480	0.18067062	3.0989247	20	2 8.9	21.1
285573 2000 QC_{16}	17.8	X	247.18758	178.88251	170.34978	1.43970	0.1645886	0.28551576	2.2841046	20	4 21.6	20.9
285574 2000 QG_{20}	17.6	X	203.36615	163.22179	169.96941	1.06323	0.2979635	0.27707879	2.3302393	20	2 19.9	21.9
285575 2000 QU_{20}	17.4	X	98.85499	41.97913	345.32148	3.11280	0.2543348	0.26690513	2.3890841	20	1 21.9	20.1
285576 2000 QQ_{37}	15.6	X	192.36350	103.91244	299.48204	4.16715	0.2868680	0.18268786	3.0760703	20	5 7.3	21.2
285577 2000 QZ_{38}	16.6	X	188.06310	339.37448	322.24137	10.89281	0.2438396	0.27311272	2.3527445	20	1 3.3	20.6
285578 2000 QA_{39}	17.0	X	167.39841	150.26858	171.86546	2.27278	0.1842159	0.27185340	2.3600047	20	1 5.1	20.5
285579 2000 QN_{39}	17.2	X	161.45539	184.41260	164.64842	2.55316	0.2188893	0.27334679	2.3514011	20	2 4.1	20.8
285580 2000 QV_{48}	16.3	X	227.18733	182.08015	157.01236	18.23796	0.2477231	0.18209931	3.0826947	20	3 23.6	21.7
285581 2000 QW_{51}	15.6	X	245.22663	358.42700	323.83488	8.41627	0.1329121	0.18343897	3.0676677	20	3 21.5	20.5
285582 2000 QY_{51}	14.8	X	153.91163	254.74687	151.88342	26.50537	0.2428001	0.17801258	3.1296968	20	4 20.5	20.5
285583 2000 QV_{59}	17.5	X	120.37245	35.14990	335.40023	1.15506	0.2548721	0.26903275	2.3764715	20	1 26.6	20.6
285584 2000 QN_{68}	16.1	X	155.14758	62.57201	321.41824	4.03938	0.1938722	0.17635863	3.1492338	20	3 16.6	21.3
285585 2000 QU_{70}	16.5	X	180.06381	185.95737	142.65529	13.04086	0.2008600	0.27333955	2.3514427	20	1 25.0	20.3
285586 2000 QB_{74}	17.1	X	112.60707	192.40022	166.15892	11.02886	0.1810237	0.26688005	2.3892338	20	—	—
285587 2000 QC_{76}	17.7	X	10.40566	145.47674	170.94427	5.24973	0.1893331	0.29863474	2.2167115	20	10 25.1	19.7
285588 2000 QW_{92}	16.9	X	152.22666	341.11222	326.34262	5.35699	0.2188893	0.26707920	2.3880459	20	—	—
285589 2000 QB_{94}	18.1	X	231.64839	65.98375	250.86595	3.01967	0.2650254	0.27992164	2.3144354	20	2 19.3	22.2
285590 2000 QX_{101}	16.3	X	138.77646	203.87261	127.14810	6.93466	0.1476860	0.26637677	2.3922422	20	—	—
285591 2000 QU_{105}	16.8	X	75.05797	312.79925	106.68669	7.98494	0.2799113	0.26514659	2.3996359	20	2 1.5	18.8
285592 2000 QY_{111}	17.5	X	183.99951	45.71244	286.56967	1.33418	0.2267939	0.27404491	2.3474061	20	2 3.3	21.3
285593 2000 QU_{113}	16.9	X	248.37639	45.37624	351.74202	3.70962	0.2655202	0.23801983	2.5786592	20	6 14.2	21.0
285594 2000 QC_{114}	17.2	X	246.90151	210.84411	154.62376	10.52248	0.2998120	0.28542898	2.2845676	20	5 3.5	21.1
285595 2000 QW_{124}	17.4	X	173.39800	241.10249	62.68368	2.26950	0.1913594	0.27061552	2.3671961	20	—	—
285596 2000 QM_{131}	16.3	X	132.72395	205.90597	153.82083	14.77600	0.2104326	0.22052133	2.7133281	20	1 25.8	20.5
285597 2000 QL_{136}	17.4	X	172.75070	321.56396	25.15575	5.76769	0.2442746	0.27436336	2.3455893	20	2 15.0	21.3
285598 2000 QH_{146}	17.5	X	49.50486	185.65895	122.73599	5.50378	0.1966017	0.30207774	2.1998357	20	12 7.7	20.4
285599 2000 QQ_{156}	16.8	X	79.31136	159.17726	235.13628	7.20157	0.2072066	0.26608545	2.3939880	20	—	—
285600 2000 QZ_{160}	17.1	X	30.92490	33.82746	259.13403	5.20582	0.1397939	0.29869308	2.2164228	20	10 10.8	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285601 2000 QT_{161}	15.9	X	279.50132	349.96202	299.32553	13.62622	0.1181303	0.23407250	2.6075689	20	3 11.7	19.9
285602 2000 QG_{163}	16.8	X	138.68559	160.24986	223.33470	7.22852	0.2935382	0.27363048	2.3497757	20	3 1.4	20.8
285603 2000 QF_{165}	15.5	X	209.63738	195.68007	176.73756	16.19795	0.2985908	0.18145705	3.0899644	20	4 16.5	21.2
285604 2000 QC_{168}	17.2	X	229.64784	57.33390	275.19798	3.95635	0.1561728	0.28039263	2.3118429	20	3 11.4	20.9
285605 2000 QO_{174}	15.7	X	222.87447	196.88609	180.67875	11.65633	0.2503890	0.18430576	3.0580420	20	5 3.5	21.0
285606 2000 QD_{178}	15.8	X	313.83221	155.86399	168.02465	15.61497	0.2591951	0.19302003	2.9652943	20	6 4.4	19.5
285607 2000 QZ_{187}	17.2	X	215.37349	320.03084	8.40361	5.67381	0.2606466	0.27873165	2.3210181	20	2 24.4	21.2
285608 2000 QS_{204}	17.0	X	79.48651	94.02577	323.28267	4.08483	0.2218141	0.26752163	2.3854123	20	1 26.3	19.1
285609 2000 QE_{208}	15.5	X	200.79483	1.11756	357.73459	11.34923	0.2401877	0.17826554	3.1267353	20	3 24.1	20.9
285610 2000 QD_{213}	16.7	X	115.56247	231.52196	149.41130	6.64403	0.1350368	0.26937646	2.3744496	20	1 15.8	19.6
285611 2000 QP_{216}	17.6	X	350.21931	345.23651	11.55740	2.49577	0.1966574	0.29909946	2.2144147	20	11 17.7	19.1
285612 2000 QT_{216}	17.1	X	126.51866	292.07616	87.38903	2.25310	0.1982291	0.27012775	2.3700449	20	2 6.8	20.3
285613 2000 QC_{230}	16.9	X	139.27371	309.11403	41.13454	5.06185	0.2708392	0.26875853	2.3780878	20	1 23.6	20.5
285614 2000 QB_{231}	15.7	X	178.57366	202.04742	186.74970	12.37384	0.1474561	0.17853351	3.1236058	20	4 11.7	20.7
285615 2000 QB_{233}	16.7	X	147.16608	115.35640	313.02607	4.60822	0.0945928	0.23147772	2.6270193	20	4 21.2	20.5
285616 2000 QD_{247}	17.9	X	336.98458	171.53188	140.78227	5.35196	0.2072176	0.29338955	2.2430534	20	7 23.1	18.9
285617 2000 RC_{8}	15.9	X	215.69717	46.83418	328.16083	31.61298	0.2129460	0.23270400	2.6177820	20	4 2.6	21.0
285618 2000 RN_{8}	16.2	X	90.98996	95.39638	341.43269	22.13666	0.3937724	0.26789505	2.3831951	20	3 29.0	19.7
285619 2000 RA_{17}	15.6	X	227.20307	131.47960	204.19190	12.42827	0.3021372	0.18138674	3.0907629	20	3 12.7	21.2
285620 2000 RJ_{17}	17.5	X	287.86114	66.20444	296.85269	7.08833	0.1956505	0.29095071	2.2555707	20	6 29.3	19.9
285621 2000 RZ_{17}	15.3	X	218.13319	28.00806	318.69073	9.95934	0.2755926	0.18057455	3.1000238	20	3 18.6	21.0
285622 2000 RK_{21}	17.4	X	119.26330	99.59948	262.60786	4.03627	0.2389774	0.26703845	2.3882888	20	1 12.0	20.3
285623 2000 RD_{24}	17.5	X	234.61207	274.88664	69.53963	3.71954	0.2032798	0.28163874	2.3050187	20	4 1.4	21.1
285624 2000 RT_{25}	17.1	X	55.25757	84.56750	283.80172	3.07263	0.2291854	0.25851196	2.4405196	20	—	—
285625 2000 RD_{34}	17.8	X	11.52979	132.28748	308.93887	6.93716	0.3475790	0.35831151	1.9631894	20	—	—
285626 2000 RX_{36}	17.2	X	88.67446	178.54807	161.27578	23.43649	0.0607292	0.36275958	1.9471084	20	—	—
285627 2000 RX_{53}	15.3	X	139.64163	160.13260	201.36148	14.03701	0.2234091	0.17181479	3.2045154	20	2 7.0	20.7
285628 2000 RA_{63}	16.2	X	204.38461	1.79792	342.61058	12.94574	0.2974014	0.22959473	2.6413631	20	3 7.0	21.0
285629 2000 RS_{74}	15.6	X	171.96493	342.45545	322.58644	12.77206	0.1665302	0.21905384	2.7254327	20	—	—
285630 2000 RP_{82}	16.3	X	226.50217	100.38479	268.42262	9.38520	0.1720437	0.23306940	2.6150453	20	4 24.1	20.6
285631 2000 RB_{84}	16.7	X	142.39601	171.34476	209.40432	5.90491	0.2932371	0.27351441	2.3504404	20	3 1.9	20.7
285632 2000 RJ_{85}	15.4	X	198.10134	24.41806	340.86784	9.02580	0.2173918	0.17989804	3.1077906	20	3 27.9	20.8
285633 2000 RH_{88}	15.4	X	156.11604	169.08243	159.61792	27.20928	0.1356206	0.17260549	3.1947213	20	1 12.1	20.8
285634 2000 RJ_{89}	16.6	X	266.75373	7.83760	271.31211	5.87867	0.1356671	0.27874451	2.3209467	20	2 11.5	19.9
285635 2000 RS_{92}	15.4	X	220.33913	338.53108	354.71954	17.66553	0.2133312	0.17838692	3.1253168	20	3 11.8	20.8
285636 2000 SA	17.1	X	125.34874	112.19087	246.18261	1.66620	0.2452957	0.26748410	2.3856354	20	1 15.1	20.2
285637 2000 SS_{4}	17.2	X	48.76794	353.13284	14.41143	20.00437	0.0910237	0.35896618	1.9608018	20	—	—
285638 2000 SO_{10}	17.6	X	235.37675	204.01384	356.43309	36.96154	0.5402566	0.66530469	1.2995380	20	—	—
285639 2000 SW_{10}	16.9	X	259.07169	202.47018	122.11033	6.50792	0.1914451	0.28188425	2.3036801	20	4 1.7	20.3
285640 2000 SA_{16}	15.8	X	163.09841	35.98530	347.60670	14.73112	0.1957569	0.17531637	3.1617030	20	3 21.6	21.2
285641 2000 SN_{16}	17.4	X	24.11447	111.82158	240.92650	2.61192	0.1526056	0.30299268	2.1954049	20	12 30.1	19.9
285642 2000 SS_{16}	17.6	X	158.73863	34.62429	284.41971	1.98963	0.2388673	0.26887977	2.3773728	20	—	—
285643 2000 SC_{18}	16.0	X	211.32564	26.22875	343.14580	18.26958	0.1849261	0.18023424	3.1039247	20	4 7.8	21.4
285644 2000 ST_{18}	16.4	X	147.25069	55.97569	299.26739	8.05450	0.2032260	0.22020710	2.7159087	20	2 2.7	20.6
285645 2000 SQ_{19}	17.6	X	270.88382	83.53472	300.42935	5.32642	0.2336002	0.28927704	2.2642623	20	6 27.9	20.4
285646 2000 SN_{24}	16.9	X	105.01168	148.07054	227.12605	19.08344	0.1013629	0.36595601	1.9357538	20	—	—
285647 2000 SE_{26}	17.8	X	238.38019	137.88477	232.19891	2.91489	0.2545742	0.28532754	2.2851090	20	5 1.9	21.3
285648 2000 SK_{27}	12.8	X	258.60356	135.53257	197.98774	16.67421	0.1257781	0.08322717	5.1954835	20	4 27.1	19.9
285649 2000 SW_{33}	16.1	X	102.28741	298.61976	27.02062	7.76688	0.2187223	0.21103093	2.7940788	20	—	—
285650 2000 SS_{34}	17.1	X	75.11833	236.54868	172.83941	5.26834	0.2301484	0.26541889	2.3979944	20	1 6.5	19.1
285651 2000 SR_{35}	15.8	X	301.05863	319.35451	5.62951	14.25446	0.2483747	0.18957012	3.0011621	20	5 10.5	20.0
285652 2000 SS_{36}	16.9	X	78.92610	21.48807	7.26775	6.77488	0.1423082	0.26419689	2.4053831	20	—	—
285653 2000 SE_{41}	16.8	X	111.63669	277.96696	67.52475	3.38666	0.2094175	0.26400715	2.4065354	20	—	—
285654 2000 SX_{43}	16.9	X	124.47241	288.52005	327.55017	17.03603	0.0628027	0.35332918	1.9816018	20	12 25.3	19.6
285655 2000 SK_{44}	17.2	X	140.24956	225.20888	231.84987	20.14134	0.0402876	0.38190770	1.8814692	20	5 15.2	18.7
285656 2000 SD_{48}	17.0	X	182.66791	120.14494	202.44685	12.34546	0.2812628	0.22362947	2.6881285	20	1 25.6	22.0
285657 2000 SQ_{48}	15.2	X	202.06174	177.84018	184.63734	17.43336	0.1980086	0.17973794	3.1096359	20	3 31.1	20.5
285658 2000 SY_{48}	13.1	X	265.82025	341.86038	333.57219	20.50176	0.1252621	0.08325934	5.1941451	20	4 3.9	20.3
285659 2000 SL_{54}	17.3	X	57.90970	101.07366	313.96734	1.60866	0.1906111	0.26384630	2.4075134	20	—	—
285660 2000 SZ_{61}	18.1	X	244.59941	141.29066	181.25740	7.88962	0.2761136	0.28120747	2.3073748	20	3 6.8	22.0
285661 2000 SO_{65}	16.9	X	177.96111	319.15885	18.95567	7.18445	0.1400055	0.27235981	2.3570784	20	2 3.8	20.5
285662 2000 SA_{69}	15.6	X	161.28745	66.13850	11.90330	14.23393	0.2157983	0.17877738	3.1207646	20	5 22.3	21.1
285663 2000 SY_{77}	17.1	X	126.40750	56.97897	0.64689	3.08544	0.1647602	0.27372106	2.3492572	20	3 22.1	20.0
285664 2000 SP_{80}	17.2	X	256.94902	170.53862	161.27049	6.35640	0.2189316	0.28290900	2.2981138	20	4 4.7	20.6
285665 2000 SQ_{81}	17.8	X	163.69654	354.32632	32.67041	2.69047	0.2213618	0.27496295	2.3421782	20	3 25.0	21.5
285666 2000 SM_{92}	15.5	X	198.15666	166.11880	209.49076	17.34689	0.2266234	0.18010910	3.1053623	20	4 10.6	21.0
285667 2000 SJ_{97}	17.2	X	170.19105	59.88174	230.00115	4.46061	0.2226316	0.26716632	2.3875267	20	—	—
285668 2000 SV_{102}	17.4	X	115.35518	5.78705	350.33596	2.22648	0.2033667	0.26538480	2.3981997	20	—	—
285669 2000 SF_{106}	17.3	X	268.00987	145.19558	207.07314	2.27554	0.2091480	0.28629057	2.2799816	20	5 13.7	20.2
285670 2000 SE_{114}	16.9	X	65.60134	214.36615	185.64823	9.58540	0.2011053	0.26193201	2.4192291	20	—	—
285671 2000 SY_{118}	16.5	X	184.41421	8.21960	29.50512	8.64898	0.2963282	0.22757596	2.6569607	20	4 25.2	21.3
285672 2000 SD_{126}	16.3	X	271.12741	134.91952	188.91744	12.58048	0.2001400	0.23360333	2.6110590	20	4 13.3	20.0
285673 2000 SG_{132}	15.7	X	203.12668	99.96889	224.38223	23.20410	0.2775868	0.17597244	3.1538397	20	2 9.1	21.8
285674 2000 ST_{133}	17.1	X	313.14869	147.38517	255.93415	6.22133	0.0952919	0.29863106	2.2167296	20	11 5.1	19.2
285675 2000 SX_{134}	15.1	X	170.08744	141.80195	241.69106	9.70231	0.1062831	0.17640904	3.1486338	20	3 22.8	20.1
285676 2000 SQ_{136}	17.1	X	163.86814	133.96119	236.68119	5.43127	0.1288662	0.27359569	2.3499748	20	2 24.3	20.6
285677 2000 SS_{136}	17.7	X	4.05846	74.97965	242.29317	3.97828	0.2197975	0.29646252	2.2275264	20	10 16.1	19.5
285678 2000 SQ_{141}	16.8	X	74.04527	91.75405	313.65850	3.20709	0.2124246	0.26369317	2.4084454	20	—	—
285679 2000 SL_{142}	16.6	X	118.25495	141.25433	205.89524	9.88774	0.2469832	0.26457332	2.4031010	20	—	—
285680 2000 SX_{143}	15.7	X	225.74124	112.96410	299.06312	9.49244	0.1073064	0.18623385	3.0368987	20	6 25.7	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285681 2000 SY_{143}	15.8	X	176.99972	141.59025	226.75603	16.77128	0.2366818	0.17489559	3.1667721	20	3 13.8	21.5
285682 2000 SH_{145}	17.5	X	107.17739	115.32743	258.12756	1.34279	0.2569531	0.26532843	2.3985394	20	1 14.7	20.2
285683 2000 SR_{151}	15.9	X	173.09189	191.31409	198.14731	15.55357	0.2776746	0.17503736	3.1650619	20	4 9.9	21.6
285684 2000 SR_{152}	16.8	X	139.68884	147.00980	197.27230	5.00269	0.2167443	0.26659056	2.3909631	20	1 8.7	20.3
285685 2000 SW_{156}	15.4	X	187.05260	141.75140	232.57619	12.50292	0.1631596	0.17771086	3.1332382	20	3 28.9	20.8
285686 2000 SV_{162}	17.2	X	79.45114	96.07737	302.44378	3.04419	0.1790592	0.26347732	2.4097606	20	—	—
285687 2000 SM_{163}	17.4	X	273.66280	89.47806	310.69996	3.84053	0.1968697	0.23997060	2.5646653	20	7 28.2	20.7
285688 2000 SS_{163}	17.4	X	68.79760	305.38536	0.61486	18.16889	0.0714023	0.35352662	1.9808639	20	12 25.4	20.3
285689 2000 SM_{164}	16.8	X	188.71009	47.48316	19.72268	25.15950	0.1895205	0.28342011	2.2953501	20	5 27.2	21.0
285690 2000 SW_{184}	16.8	X	101.80640	3.65231	311.28191	10.83814	0.2642876	0.26055868	2.4277223	20	—	—
285691 2000 SB_{186}	17.7	X	146.81589	163.94506	210.04368	0.76445	0.2018905	0.27146717	2.3622427	20	2 20.3	21.3
285692 2000 ST_{186}	17.2	X	359.50289	20.31174	273.10250	5.64154	0.2389490	0.29385705	2.2406738	20	8 24.4	18.5
285693 2000 SN_{192}	15.8	X	236.76020	245.87730	190.02906	12.35213	0.0880146	0.19132115	2.9828223	20	8 6.4	20.4
285694 2000 SV_{193}	16.7	X	134.28296	218.65386	173.64656	9.12297	0.2493380	0.22218443	2.6997713	20	3 10.7	21.1
285695 2000 SH_{194}	17.4	X	57.44535	64.80364	349.37170	1.83829	0.2268673	0.26367999	2.4085256	20	—	—
285696 2000 SQ_{194}	17.7	X	2.06498	286.23616	6.66182	9.43906	0.2468478	0.29492194	2.2352769	20	9 8.5	19.0
285697 2000 SZ_{194}	17.2	X	162.26041	249.52770	167.33964	2.78618	0.1618806	0.27914638	2.3187186	20	4 27.8	20.7
285698 2000 SG_{200}	15.7	X	234.87344	290.11050	11.17643	18.84866	0.3068933	0.17848429	3.1241800	20	2 18.5	21.5
285699 2000 SN_{201}	16.1	X	238.11489	329.30922	41.15403	1.43918	0.1627554	0.18424108	3.0587577	20	5 12.1	20.7
285700 2000 SF_{202}	16.3	X	112.73849	170.99226	171.00026	4.15916	0.1068025	0.21323078	2.7748283	20	—	—
285701 2000 SH_{204}	17.2	X	64.26069	343.34776	14.30419	2.81006	0.1934309	0.25806537	2.4433343	20	—	—
285702 2000 SS_{216}	16.6	X	156.37666	286.85161	74.90516	7.43568	0.1466374	0.27071770	2.3666005	20	2 12.5	20.1
285703 2000 ST_{223}	17.4	X	91.31172	12.11869	25.13366	5.63096	0.1979498	0.26557810	2.3970359	20	1 15.4	19.9
285704 2000 SK_{234}	16.3	X	107.29647	277.61342	67.13882	8.31306	0.2392453	0.21365321	2.7711696	20	—	—
285705 2000 SV_{237}	17.1	X	101.82633	276.60799	90.22820	5.93880	0.2406137	0.26397264	2.4067452	20	—	—
285706 2000 SJ_{238}	16.0	X	133.43641	35.40639	13.90810	7.69094	0.1923398	0.17314778	3.1880474	20	3 28.9	21.1
285707 2000 SJ_{240}	15.6	X	226.71671	153.57921	224.80739	31.99782	0.1681523	0.23270258	2.6177927	20	5 9.6	19.8
285708 2000 SH_{246}	17.3	X	224.46201	289.92714	101.87646	3.46805	0.1824134	0.28461510	2.2889208	20	5 23.7	20.7
285709 2000 SR_{248}	17.1	X	99.11004	253.73407	118.61316	3.54916	0.2039809	0.26499603	2.4005447	20	—	—
285710 2000 SB_{251}	16.6	X	185.95421	23.55812	20.62112	7.31774	0.0993872	0.28094873	2.3087912	20	5 1.4	19.8
285711 2000 SR_{256}	16.3	X	109.65893	197.11285	145.78595	6.73207	0.1479828	0.26213057	2.4180073	20	—	—
285712 2000 SX_{257}	15.3	X	175.68646	55.80809	13.74577	17.99037	0.1020276	0.18037640	3.1022936	20	5 20.9	20.5
285713 2000 SM_{258}	15.8	X	86.09210	342.93543	38.88547	14.29321	0.1220623	0.21250798	2.7811167	20	—	—
285714 2000 SN_{260}	17.3	X	126.87248	9.21835	50.16952	2.97345	0.2019382	0.27290507	2.3539378	20	3 30.5	20.7
285715 2000 SN_{261}	16.8	X	121.53666	264.34459	80.55423	2.33828	0.1931868	0.26417768	2.4054997	20	—	—
285716 2000 SW_{268}	16.8	X	127.55732	282.13062	74.56695	4.37358	0.2007925	0.26579369	2.3957396	20	1 10.4	20.0
285717 2000 SJ_{284}	16.1	X	165.00164	171.65065	222.89993	14.63869	0.2767593	0.17531821	3.1616808	20	4 8.1	21.8
285718 2000 SH_{289}	16.9	X	152.59369	127.71052	206.84312	6.86060	0.1138669	0.26829285	2.3808388	20	—	—
285719 2000 SD_{290}	17.3	X	99.73697	99.45712	312.05273	3.80501	0.2067660	0.26863257	2.3788311	20	2 15.9	20.0
285720 2000 SJ_{304}	15.2	X	157.06192	171.82080	241.42251	11.07416	0.1021071	0.17631053	3.1498066	20	4 15.6	20.2
285721 2000 SA_{306}	16.3	X	260.14360	94.13452	243.19712	10.22040	0.2093095	0.23357514	2.6112692	20	4 14.2	20.4
285722 2000 SJ_{308}	15.4	X	254.52377	117.34301	261.32415	10.72193	0.1277488	0.18513573	3.0488956	20	6 12.7	19.8
285723 2000 SS_{309}	15.2	X	216.63033	176.48289	182.04456	27.41765	0.0997926	0.17909588	3.1170635	20	4 12.9	20.1
285724 2000 SX_{314}	15.1	X	210.90433	136.40285	245.96268	16.20474	0.1229029	0.18136996	3.0909535	20	5 1.6	20.0
285725 2000 SC_{317}	16.7	X	210.89039	182.24183	235.76996	11.99451	0.2839186	0.23404124	2.6078010	20	6 7.9	21.4
285726 2000 SK_{317}	15.0	X	145.52613	82.88856	242.88867	16.28795	0.1634938	0.16787521	3.2544555	20	—	—
285727 2000 SJ_{322}	17.1	X	149.44032	247.30808	186.95949	6.95651	0.0784968	0.28068485	2.3102381	20	5 2.1	20.1
285728 2000 SO_{325}	17.7	X	86.71696	0.34232	36.67580	2.75849	0.1885490	0.26572851	2.3961313	20	1 4.6	20.0
285729 2000 SR_{328}	15.1	X	61.38080	287.28719	216.45215	8.44587	0.0095747	0.17744931	3.1363162	20	4 4.5	19.5
285730 2000 SJ_{335}	16.8	X	126.63042	356.12880	316.79396	7.83203	0.1420274	0.26255622	2.4153932	20	—	—
285731 2000 SV_{338}	15.9	X	151.47964	19.74311	16.97365	14.78634	0.0442132	0.22586300	2.6703775	20	3 18.5	19.7
285732 2000 SU_{345}	17.8	X	37.92003	283.39352	356.09004	7.35170	0.2571421	0.29788402	2.2204342	20	10 20.7	20.5
285733 2000 SW_{361}	17.3	X	245.24011	256.00573	32.27775	6.27202	0.2819781	0.27854009	2.3220821	20	1 29.1	21.4
285734 2000 SW_{365}	15.6	X	246.90829	274.41084	36.40988	15.04451	0.3596846	0.18098544	3.0953300	20	3 4.3	21.4
285735 2000 SW_{375}	15.9	X	288.24599	285.04045	94.25060	10.98789	0.0977712	0.19063342	2.9899920	20	8 2.9	19.9
285736 2000 TV_{2}	15.9	X	201.57283	209.91925	178.19761	16.48250	0.1828661	0.18177686	3.0863392	20	5 2.2	21.2
285737 2000 TV_{7}	16.6	X	292.11734	322.13758	59.10931	0.51628	0.2036919	0.19121223	2.9839550	20	7 24.4	20.3
285738 2000 TH_{8}	16.4	X	140.16630	256.72741	189.05293	8.27684	0.3204936	0.17516564	3.1635165	20	5 25.0	22.1
285739 2000 TP_{14}	17.4	X	60.29306	297.08062	24.21164	5.04503	0.2043171	0.30367690	2.1921060	20	—	—
285740 2000 TQ_{15}	17.6	X	82.62565	11.72317	15.15282	2.60254	0.2079305	0.26268420	2.4146086	20	—	—
285741 2000 TH_{23}	15.1	X	173.29784	175.81895	190.66707	10.09227	0.0539179	0.17313890	3.1881563	20	3 6.1	19.9
285742 2000 TL_{23}	15.7	X	192.96789	175.27808	193.36643	16.01919	0.1416750	0.17638771	3.1488876	20	3 30.5	20.9
285743 2000 TO_{23}	16.6	X	335.90777	272.49633	21.11060	12.67292	0.1780418	0.23837579	2.5760915	20	6 13.0	19.3
285744 2000 TG_{31}	17.2	X	161.03680	207.12721	90.72281	3.83026	0.2316968	0.26657960	2.3910286	20	—	—
285745 2000 TP_{31}	16.9	X	213.45204	306.01522	248.56548	4.44401	0.1335560	0.25591871	2.4569785	20	12 15.9	20.3
285746 2000 TH_{38}	15.8	X	203.09828	325.72475	43.58853	8.36420	0.2948269	0.18004043	3.1061519	20	4 8.5	21.5
285747 2000 TY_{38}	16.9	X	128.45757	261.57146	79.55283	6.17849	0.2655929	0.26696997	2.3886972	20	—	—
285748 2000 TN_{41}	16.4	X	253.97905	337.64071	72.49162	1.30122	0.2495018	0.18888269	3.0084394	20	7 7.1	21.1
285749 2000 TZ_{42}	15.5	X	204.00696	177.84335	152.00747	15.64280	0.1993981	0.17644285	3.1482316	20	2 24.2	20.8
285750 2000 TG_{43}	15.6	X	143.10816	311.12077	40.11495	14.12463	0.2072051	0.21903706	2.7255719	20	1 31.2	20.1
285751 2000 TG_{56}	15.9	X	263.79271	290.98936	37.10653	15.50802	0.1389710	0.23151222	2.6267583	20	4 18.8	19.7
285752 2000 TR_{57}	16.7	X	56.95272	354.07645	34.75518	7.20087	0.1028087	0.26113097	2.4241740	20	—	—
285753 2000 UE_{1}	15.4	X	177.25091	299.09269	61.77953	15.51764	0.2139691	0.17299806	3.1898865	20	3 18.1	21.1
285754 2000 UO_{3}	16.8	X	142.10330	249.33570	59.70138	3.04871	0.2384139	0.26349389	2.4096595	20	—	—
285755 2000 UH_{4}	15.6	X	178.87322	337.24152	57.82124	11.18391	0.2709583	0.17609488	3.1523776	20	4 22.6	21.2
285756 2000 UF_{14}	16.5	X	300.40100	153.97886	222.66913	29.06043	0.1542916	0.24096607	2.5575970	20	8 2.1	20.2
285757 2000 UW_{17}	16.3	X	350.66961	244.89737	166.54358	7.25659	0.1433713	0.25129331	2.4870362	20	—	—
285758 2000 UM_{18}	16.0	X	159.55730	297.76402	40.78735	13.08644	0.1926115	0.21729492	2.7401206	20	1 29.4	20.7
285759 2000 UB_{22}	16.6	X	122.27196	176.94298	160.61194	4.20937	0.1995857	0.26260944	2.4150669	20	—	—
285760 2000 UE_{24}	15.9	X	203.54890	269.25031	87.57648	6.28698	0.3081562	0.22667242	2.6640166	20	3 24.6	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285761 2000 UE_{25}	16.9	X	99.82340	328.61832	123.81157	3.70348	0.1751523	0.27056475	2.3674923	20	4 9.3	19.9
285762 2000 UE_{28}	15.7	X	203.63742	167.02041	210.82142	17.31217	0.2044383	0.17893679	3.1189108	20	4 18.4	21.0
285763 2000 UH_{31}	17.5	X	29.13544	100.51626	64.95950	3.38954	0.1072051	0.27260305	2.3556761	20	3 18.7	19.7
285764 2000 UJ_{32}	16.5	X	109.54380	318.21814	59.85324	5.80373	0.0853376	0.21444701	2.7643268	20	1 7.9	20.2
285765 2000 UA_{42}	15.0	X	172.53675	199.00040	218.34188	14.83857	0.2669608	0.17585227	3.1552763	20	5 11.8	20.5
285766 2000 UG_{50}	16.2	X	83.85279	320.38552	65.24381	9.63429	0.2861843	0.21104542	2.7939508	20	1 14.1	19.5
285767 2000 UW_{50}	17.4	X	67.41150	229.39757	159.89367	2.74548	0.2001428	0.25991182	2.4317487	20	—	—
285768 2000 UP_{61}	16.8	X	174.59931	162.39648	244.28664	6.76280	0.1087083	0.27734094	2.3287707	20	4 22.5	20.1
285769 2000 UO_{64}	17.1	X	66.38531	111.13547	276.84311	3.48062	0.1896040	0.26065501	2.4271242	20	—	—
285770 2000 UA_{68}	15.6	X	276.89792	173.68779	240.70327	10.35517	0.0369716	0.19165816	2.9793247	20	9 4.3	19.9
285771 2000 UH_{74}	15.4	X	191.35869	282.75262	111.04482	17.10069	0.2484540	0.17726767	3.1384583	20	5 4.2	21.2
285772 2000 UE_{82}	15.2	X	178.04249	116.12767	263.50227	5.07185	0.1328550	0.17341758	3.1847399	20	3 27.9	20.4
285773 2000 UW_{82}	17.3	X	116.14568	322.87585	42.90750	3.16699	0.2005002	0.26597585	2.3946456	20	1 8.2	20.3
285774 2000 UF_{84}	15.9	X	172.64999	306.43791	44.12979	9.77505	0.0638589	0.21991605	2.7183045	20	2 16.9	20.0
285775 2000 UC_{88}	15.5	X	194.98121	318.13714	51.86918	10.25544	0.0989870	0.17511380	3.1641408	20	4 7.2	20.5
285776 2000 UV_{92}	17.0	X	99.45960	40.25137	335.10468	3.01075	0.1513644	0.26372272	2.4082655	20	—	—
285777 2000 UW_{101}	17.2	X	40.53911	95.54239	326.94045	4.47313	0.1550366	0.25937205	2.4351213	20	—	—
285778 2000 UN_{105}	15.4	X	181.15428	335.20748	80.01261	10.75951	0.2074968	0.17826019	3.1267979	20	5 16.5	20.7
285779 2000 VH_{54}	16.1	X	213.60901	171.39450	245.19910	13.01197	0.2246362	0.23171226	2.6252462	20	6 11.1	20.4
285780 2000 VB_{61}	15.7	X	189.81083	295.12647	67.29176	2.25368	0.1999999	0.17413906	3.1759373	20	3 22.2	21.0
285781 2000 WW_{9}	15.5	X	238.22090	275.00390	91.84110	17.03223	0.2337430	0.17894917	3.1187670	20	5 8.3	20.9
285782 2000 WQ_{11}	15.2	X	223.18083	289.86642	35.45652	10.90493	0.0593549	0.17560965	3.1581819	20	3 16.2	20.0
285783 2000 WT_{21}	16.4	X	103.42766	277.97098	100.91269	8.39225	0.2548918	0.26561371	2.3968217	20	1 17.0	19.1
285784 2000 WW_{29}	17.3	X	104.31206	334.58809	69.19801	1.95997	0.2035878	0.26683814	2.3894839	20	2 12.9	20.1
285785 2000 WP_{43}	15.0	X	186.59812	212.19056	197.66693	6.16516	0.2913356	0.12584450	3.9437850	20	5 13.8	21.7
285786 2000 WR_{64}	17.9	X	340.33433	282.60717	44.61931	2.13796	0.2782482	0.29229681	2.2486403	20	9 8.0	18.3
285787 2000 WF_{70}	16.9	X	70.63804	88.65844	317.46312	5.87867	0.1030902	0.26185662	2.4196934	20	—	—
285788 2000 WE_{73}	15.8	X	284.36944	349.25919	16.60932	5.61717	0.2449148	0.18682488	3.0304904	20	6 15.5	20.0
285789 2000 WR_{95}	16.6	X	94.17571	220.99712	256.60275	5.92990	0.0633776	0.27114225	2.3641294	20	4 14.6	19.5
285790 2000 WS_{101}	15.2	X	286.01253	293.84145	67.70358	23.44320	0.1316604	0.18383757	3.0632318	20	6 27.9	19.6
285791 2000 WN_{141}	14.8	X	151.13364	218.95513	291.66361	27.63049	0.3101543	0.17752503	3.1354243	20	8 6.6	20.8
285792 2000 WB_{150}	16.5	X	203.89761	285.87297	29.58034	7.52288	0.0459901	0.21975028	2.7196713	20	2 6.3	20.5
285793 2000 WC_{150}	16.3	X	78.90154	348.44944	24.98135	5.08404	0.0455361	0.20985314	2.8045234	20	—	—
285794 2000 WH_{155}	16.8	X	169.70034	31.16628	328.23289	5.93343	0.2003239	0.27081999	2.3660045	20	2 23.2	20.4
285795 2000 WK_{162}	17.6	X	222.10794	163.10234	267.69164	3.55960	0.1551247	0.28486130	2.2876017	20	7 14.7	20.8
285796 2000 WG_{181}	17.4	X	28.83530	253.70700	119.76227	7.00556	0.1676409	0.30231230	2.1986976	20	—	—
285797 2000 WN_{193}	17.8	X	78.10023	281.09123	325.16855	4.59590	0.1159847	0.29445426	2.2376431	20	10 4.3	20.8
285798 2000 WT_{197}	16.7	X	208.25099	162.23702	290.19519	10.56271	0.2405465	0.23257237	2.6187697	20	7 20.3	21.0
285799 2000 XW_{12}	15.3	X	208.01973	141.81325	286.06074	16.21525	0.1924009	0.17900983	3.1180623	20	6 22.1	20.4
285800 2000 XG_{19}	16.2	X	323.73772	187.36675	288.88450	11.05347	0.1525266	0.25305982	2.4754486	20	—	—
285801 2000 YE_{4}	16.6	X	106.91402	244.10666	90.36219	7.88818	0.2201672	0.25682559	2.4511912	20	—	—
285802 2000 YJ_{12}	17.0	X	223.59820	352.85187	82.08196	24.67574	0.1490724	0.28365410	2.2940877	20	7 24.3	20.6
285803 2000 YY_{22}	16.6	X	104.83522	108.94299	115.66002	12.29177	0.1684619	0.23173291	2.6250903	20	10 9.5	21.0
285804 2000 YE_{27}	16.7	X	49.13214	134.46166	282.50911	7.58249	0.2318359	0.25665367	2.4522857	20	—	—
285805 2000 YV_{27}	16.8	X	181.68541	313.56607	100.79653	4.18291	0.0887023	0.22099633	2.7094388	20	5 14.1	20.8
285806 2000 YV_{41}	15.4	X	182.53896	135.29335	282.05231	16.86002	0.0793529	0.22294695	2.6936119	20	5 15.4	19.7
285807 2000 YG_{60}	15.9	X	246.85592	246.84868	276.35837	4.15730	0.1812523	0.24296274	2.5435656	20	12 7.7	18.8
285808 2000 YO_{62}	17.1	X	182.83996	140.57866	297.19407	6.15387	0.2302134	0.27649065	2.3335427	20	6 12.6	21.0
285809 2000 YA_{74}	15.3	X	201.59024	160.86730	272.94971	8.86291	0.0912126	0.17877174	3.1208302	20	6 27.5	20.1
285810 2000 YR_{82}	17.5	X	209.81040	127.78504	259.47494	19.12169	0.1141945	0.37841000	1.8930452	20	4 29.3	20.2
285811 2000 YE_{98}	15.9	X	248.27585	196.87124	304.00291	14.21283	0.0563337	0.24083373	2.5585339	20	11 27.0	19.4
285812 2000 YM_{102}	17.3	X	171.70950	189.53708	279.20287	20.44588	0.0806939	0.37913366	1.8906355	20	7 17.2	19.5
285813 2000 YQ_{129}	17.9	X	187.39857	270.38557	194.76234	1.55372	0.1870444	0.28074976	2.3098819	20	7 23.1	21.5
285814 2000 YT_{135}	16.6	X	299.19418	359.88284	101.85636	9.13434	0.1500146	0.24463867	2.5319355	20	12 17.9	18.9
285815 2001 AJ_{12}	17.1	X	58.13459	169.99086	287.39286	1.83610	0.1456292	0.26095092	2.4252890	20	2 3.3	19.2
285816 2001 BV_{9}	17.6	X	177.24085	255.61338	135.36789	6.75990	0.1293372	0.26967352	2.3727055	20	4 10.1	21.2
285817 2001 BR_{18}	15.7	X	232.42173	187.51608	309.06233	10.70502	0.0784922	0.18821962	3.0155008	20	10 14.9	20.3
285818 2001 BZ_{39}	18.6	X	354.52276	197.29826	225.08719	8.82938	0.4211944	0.35165272	1.9878948	20	—	—
285819 2001 BB_{41}	17.0	X	127.95155	285.19312	157.89377	5.49272	0.1984745	0.26852196	2.3794843	20	5 2.2	20.6
285820 2001 BY_{56}	16.8	X	70.58934	327.68480	114.56160	3.55209	0.1449916	0.25957553	2.4338485	20	2 5.2	19.2
285821 2001 CB_{41}	15.7	X	101.37046	107.38996	68.33086	16.62211	0.1839811	0.22056333	2.7129837	20	8 3.7	20.1
285822 2001 CS_{47}	15.7	X	299.90214	54.27400	334.81392	11.98370	0.2502946	0.23660699	2.5889142	20	8 17.3	18.2
285823 2001 DP_{14}	15.2	X	359.74938	6.46717	335.80898	10.76237	0.1170048	0.18137195	3.0909309	20	9 29.8	19.0
285824 2001 DU_{25}	15.9	X	260.68740	337.18245	137.40378	9.72983	0.1946150	0.18777200	3.0202913	20	10 14.9	20.2
285825 2001 DA_{39}	16.3	X	138.43306	349.81354	151.22871	8.22745	0.1067311	0.22422965	2.6833296	20	7 17.6	20.5
285826 2001 DY_{41}	16.6	X	228.42656	148.49733	336.27935	3.37305	0.1358623	0.23464340	2.6033376	20	9 29.4	20.2
285827 2001 DK_{42}	17.0	X	104.83088	186.45113	322.87300	4.48860	0.1743536	0.27016559	2.3698236	20	7 1.2	20.3
285828 2001 DO_{42}	16.6	X	178.22549	175.43944	329.22734	6.31047	0.2086381	0.22931796	2.6434879	20	8 30.3	20.9
285829 2001 DL_{55}	17.1	X	297.29336	240.76955	137.79991	3.69851	0.2540180	0.28290903	2.2981137	20	7 29.8	19.1
285830 2001 DS_{62}	16.4	X	173.90415	112.32565	334.47288	4.99541	0.1331180	0.22227151	2.6990661	20	6 15.6	20.7
285831 2001 DF_{63}	17.8	X	172.43118	172.96280	323.64320	3.36351	0.1126313	0.27863619	2.3215482	20	8 21.9	21.0
285832 2001 DS_{77}	15.2	X	107.65764	245.70645	326.25802	15.61106	0.0461640	0.17823440	3.1270995	20	8 31.6	19.7
285833 2001 DX_{77}	16.7	X	71.30670	137.89839	132.51610	3.16810	0.1987758	0.23022984	2.6365033	20	10 31.3	20.6
285834 2001 DH_{83}	16.4	X	113.45887	73.40453	159.58691	11.91410	0.1299824	0.22846500	2.6500634	20	10 22.6	20.6
285835 2001 DW_{83}	15.0	X	292.36798	6.48006	237.16683	8.87793	0.0687788	0.15520928	3.4291851	20	2 18.4	20.1
285836 2001 ET_{18}	16.4	X	174.60429	207.57447	350.73551	9.96183	0.1710842	0.23367598	2.6105179	20	10 30.4	20.7
285837 2001 EZ_{22}	17.2	X	47.59256	148.81108	83.83321	2.28740	0.1447845	0.26887637	2.3773929	20	8 7.7	19.9
285838 2001 FA_{1}	17.9	X	168.14221	326.79432	175.74849	33.81169	0.3596677	0.38148061	1.8828732	20	8 24.9	21.6
285839 2001 FL_{35}	15.0	X	121.21950	268.48627	352.17224	22.43658	0.2284270	0.17977848	3.1091685	20	11 17.6	20.7
285840 2001 FP_{49}	17.0	X	170.88888	170.07803	355.97826	9.08148	0.0567070	0.27934556	2.3176163	20	9 30.6	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285841 2001 FD_{61}	16.0	X	167.65499	182.29886	11.14425	9.02072	0.1270900	0.23101663	2.6305136	20	10 21.7	20.1
285842 2001 FK_{85}	17.2	X	257.20251	267.61505	184.71504	10.59820	0.1596478	0.23080342	2.6321334	20	9 19.1	20.5
285843 2001 FM_{87}	17.1	X	64.77401	354.08367	158.12756	7.41279	0.1522020	0.26200567	2.4187757	20	5 10.2	19.9
285844 2001 FL_{89}	16.8	X	6.78978	321.24086	165.21271	6.38125	0.0341133	0.19952987	2.9004415	20	1 2.7	20.7
285845 2001 FP_{107}	16.2	X	197.66646	3.38506	177.12282	7.74141	0.1307297	0.23470139	2.6029087	20	11 8.6	20.1
285846 2001 FO_{108}	17.0	X	59.13867	163.05990	358.57067	3.47640	0.1577033	0.26332096	2.4107144	20	5 11.7	19.5
285847 2001 FJ_{110}	16.3	X	261.17256	314.13507	198.82879	14.32042	0.3914350	0.18910462	3.0060853	20	11 1.3	20.6
285848 2001 FS_{111}	16.2	X	91.58264	56.33917	180.66052	12.57015	0.1369776	0.22471497	2.6794648	20	10 2.7	20.1
285849 2001 FR_{118}	15.8	X	28.84787	225.52698	320.60002	12.52251	0.1379717	0.21124447	2.7921955	20	4 16.6	19.2
285850 2001 FU_{158}	16.2	X	83.29411	53.15512	186.90047	13.39348	0.2114351	0.22204298	2.7009177	20	10 5.1	20.4
285851 2001 FQ_{168}	16.4	X	183.06224	115.68895	28.76386	9.16920	0.1474187	0.22963725	2.6410370	20	9 10.1	20.6
285852 2001 FA_{179}	15.9	X	146.49719	103.35528	63.64320	13.14792	0.1150079	0.22463714	2.6800836	20	9 5.9	20.3
285853 2001 FG_{181}	17.2	X	47.49597	251.02332	61.95128	0.32918	0.1207661	0.22942110	2.6426956	20	11 15.1	20.8
285854 2001 FH_{190}	15.8	X	106.66392	234.08514	320.78465	12.01930	0.1124757	0.22210893	2.7003830	20	8 21.6	19.7
285855 2001 FO_{196}	17.2	X	118.50984	117.03883	153.25008	6.92332	0.3088710	0.22782872	2.6549951	20	12 13.3	22.2
285856 2001 FV_{196}	16.5	X	106.09866	129.74258	88.81498	7.20309	0.0936117	0.27532540	2.3401222	20	9 30.9	19.8
285857 2001 GD_{3}	16.3	X	18.00870	95.44820	148.36435	22.05513	0.2863642	0.26361026	2.4089503	20	7 21.3	18.3
285858 2001 GE_{10}	17.0	X	22.13632	139.77109	94.39191	5.87638	0.1873954	0.26437082	2.4043279	20	6 28.6	19.0
285859 2001 HZ_{14}	16.0	X	150.17431	283.17820	193.76578	24.61947	0.1616356	0.21902153	2.7257008	20	6 29.4	21.0
285860 2001 HB_{26}	15.7	X	131.44622	186.57637	56.94731	5.70316	0.1472330	0.17669144	3.1452781	20	11 11.3	20.7
285861 2001 HE_{40}	16.1	X	30.53886	206.45316	25.85257	8.92036	0.0536369	0.21307209	2.7762059	20	6 22.4	19.7
285862 2001 HM_{48}	15.3	X	140.16522	66.94332	166.27870	26.88639	0.1831680	0.17780874	3.1320882	20	11 11.9	20.9
285863 2001 HD_{58}	16.8	X	103.54624	138.07657	84.51642	9.38336	0.1430806	0.27478179	2.3432075	20	10 8.5	20.4
285864 2001 HN_{60}	17.2	X	187.76387	123.03681	97.71905	13.96426	0.2514083	0.23357455	2.6112735	20	12 7.4	21.6
285865 2001 JP_{7}	17.3	X	143.77058	231.70220	71.20547	8.42761	0.2467249	0.28648790	2.2789346	20	—	—
285866 2001 KV_{9}	15.2	X	208.70244	108.55419	65.80579	27.67030	0.2199662	0.17949220	3.1124735	20	11 3.3	20.5
285867 2001 KJ_{10}	16.3	X	348.30771	158.91113	81.20010	11.05776	0.1863817	0.25723739	2.4485745	20	4 22.2	18.6
285868 2001 KM_{15}	17.0	X	36.09325	205.16823	74.46207	13.16068	0.2484166	0.26778136	2.3838695	20	10 20.5	20.1
285869 2001 KK_{16}	16.6	X	162.36660	158.29977	82.35185	9.76408	0.2436347	0.23157376	2.6262928	20	12 9.8	21.1
285870 2001 KP_{31}	16.8	X	42.03403	141.72018	80.14779	23.95268	0.0459837	0.36576132	1.9364407	20	6 29.6	18.5
285871 2001 MJ_{21}	17.0	X	262.80056	208.70133	87.76496	9.02582	0.2217032	0.29926927	2.2135770	20	2 25.7	20.5
285872 2001 NR_{5}	17.6	X	265.86219	200.29906	104.07423	6.21329	0.2628063	0.30030594	2.2084798	20	3 4.7	21.0
285873 2001 NY_{7}	17.6	X	60.33113	149.78187	149.61584	0.46039	0.1650841	0.32230923	2.1067882	20	12 7.5	20.2
285874 2001 NK_{9}	16.2	X	131.21034	252.86941	135.73818	15.62536	0.2014836	0.23771117	2.5808910	20	2 28.6	20.1
285875 2001 OB_{1}	17.6	X	354.06832	183.94013	127.95622	6.48187	0.2326637	0.26138794	2.4225850	20	9 8.9	19.2
285876 2001 OM_{3}	16.9	X	243.64277	35.47123	335.58972	8.23898	0.0607616	0.30596132	2.1811810	20	5 27.3	19.7
285877 2001 OY_{15}	16.6	X	173.26357	336.64185	17.55351	4.60431	0.3158125	0.23811132	2.5779986	20	2 29.0	21.3
285878 2001 OP_{55}	16.3	X	49.33982	165.99584	183.69942	10.04279	0.2328634	0.21683129	2.7440251	20	—	—
285879 2001 OJ_{61}	16.3	X	297.68882	258.86923	91.45917	8.30725	0.3350024	0.20317376	2.8656577	20	5 31.2	19.9
285880 2001 OC_{76}	16.0	X	123.81988	248.87708	145.70613	11.94302	0.1846069	0.23563470	2.5960311	20	2 25.3	19.7
285881 2001 OO_{77}	16.7	X	222.62998	300.27497	29.03445	6.15592	0.2728253	0.24382949	2.5375342	20	3 4.5	21.2
285882 2001 OM_{95}	16.3	X	133.24942	180.78968	104.72415	8.16256	0.1767259	0.22714006	2.6603589	20	—	—
285883 2001 OR_{95}	15.6	X	344.40074	67.92534	247.51335	7.96338	0.1535828	0.20891668	2.8128979	20	8 1.9	18.7
285884 2001 PN_{1}	16.2	X	35.12246	262.46338	107.19958	10.24700	0.2104473	0.21930172	2.7233786	20	—	—
285885 2001 PN_{4}	15.8	X	25.03841	184.81207	257.64081	21.17166	0.0517701	0.22809767	2.6529077	20	—	—
285886 2001 PX_{7}	16.4	X	15.31221	260.72847	85.08645	8.44351	0.2389842	0.21363693	2.7713103	20	11 28.6	19.5
285887 2001 PH_{19}	16.7	X	150.39513	344.14642	32.48754	5.69960	0.2153862	0.23764826	2.5813464	20	3 4.6	20.8
285888 2001 PO_{29}	16.5	X	137.55415	84.88271	272.92464	4.32790	0.2914475	0.23158484	2.6262091	20	2 3.7	20.7
285889 2001 PZ_{33}	16.1	X	160.69457	2.85822	9.90723	10.98115	0.1780861	0.23806261	2.5783503	20	3 7.1	20.2
285890 2001 PQ_{55}	17.1	X	19.72297	241.33222	137.87192	2.86485	0.1661489	0.27133829	2.3629906	20	—	—
285891 2001 PC_{58}	16.0	X	184.64384	352.22684	9.99592	12.23255	0.0663475	0.24045683	2.5612068	20	3 12.1	19.7
285892 2001 QZ_{12}	17.7	X	255.90394	170.67549	157.30635	8.75312	0.2326936	0.29915418	2.2141447	20	3 27.8	21.1
285893 2001 QT_{15}	16.6	X	260.86822	322.01129	1.58285	5.36247	0.2119538	0.29997281	2.2101146	20	3 26.5	19.8
285894 2001 QV_{25}	16.5	X	232.77242	339.06480	14.86823	8.01251	0.2342710	0.29722221	2.2237291	20	4 7.3	20.1
285895 2001 QC_{37}	16.3	X	25.58536	354.76055	319.76824	7.49991	0.2117111	0.21348058	2.7726633	20	10 25.0	19.8
285896 2001 QX_{45}	17.4	X	57.65535	171.58311	144.39913	7.30289	0.2140741	0.27012062	2.3700866	20	12 20.7	21.0
285897 2001 QK_{49}	17.7	X	221.08859	234.81170	128.97534	2.83611	0.2290463	0.29804993	2.2196101	20	4 11.7	21.2
285898 2001 QV_{64}	15.8	X	8.45028	353.36216	354.79847	19.64300	0.2172570	0.21105137	2.7938983	20	11 5.9	19.3
285899 2001 QQ_{80}	17.6	X	116.17131	29.61373	336.71363	19.75436	0.0832662	0.38621188	1.8674642	20	—	—
285900 2001 QH_{86}	16.5	X	218.59730	277.03153	76.51522	14.17143	0.2529255	0.24278094	2.5448351	20	4 4.9	21.2
285901 2001 QL_{88}	16.7	X	75.12173	237.29988	158.71644	2.21339	0.2328578	0.22761049	2.6566919	20	—	—
285902 2001 QS_{99}	16.4	X	47.01169	291.85991	125.09785	23.45539	0.2931252	0.27985760	2.3147885	20	—	—
285903 2001 QK_{102}	16.7	X	133.95179	179.53762	128.85187	15.06535	0.2339461	0.22886330	2.6469878	20	—	—
285904 2001 QH_{103}	17.1	X	196.61086	218.23831	139.52103	6.02221	0.3089815	0.24182520	2.5515359	20	3 19.1	21.8
285905 2001 QC_{122}	16.9	X	189.28069	304.42731	19.45445	3.78035	0.2163799	0.23724015	2.5843060	20	2 2.1	21.2
285906 2001 QQ_{123}	16.6	X	166.52519	332.76700	343.81313	13.12641	0.1930722	0.23284214	2.6167466	20	1 6.1	21.0
285907 2001 QX_{126}	16.5	X	189.25266	84.60104	205.41346	7.23974	0.1813523	0.23398470	2.6082211	20	—	—
285908 2001 QD_{131}	16.8	X	190.35015	98.47341	278.55667	4.86664	0.1711502	0.29480696	2.2358580	20	3 29.7	20.4
285909 2001 QF_{143}	16.6	X	342.65017	113.02292	203.52028	1.44790	0.0707172	0.20402688	2.8576637	20	8 3.5	20.1
285910 2001 QX_{148}	14.8	X	123.98148	287.38259	41.53838	3.41618	0.2082719	0.12399940	3.9828107	20	—	—
285911 2001 QN_{150}	16.3	X	97.73152	107.26548	277.47049	24.99726	0.1819900	0.22970047	2.6405524	20	1 9.4	19.6
285912 2001 QD_{155}	16.5	X	153.76147	130.73641	219.87615	4.28500	0.2390044	0.23401204	2.6080179	20	2 3.7	20.8
285913 2001 QQ_{156}	16.8	X	169.23106	29.26921	260.87399	2.68146	0.3020399	0.23117764	2.6292921	20	—	—
285914 2001 QP_{161}	16.5	X	169.64274	311.39537	13.34013	3.06455	0.2292511	0.23373158	2.6101038	20	1 18.9	20.9
285915 2001 QE_{164}	16.2	X	178.72246	7.10941	35.63990	9.39832	0.2921792	0.24374311	2.5381337	20	4 27.3	20.8
285916 2001 QT_{168}	16.1	X	356.02203	344.43016	349.97278	8.74438	0.2293345	0.21081103	2.7960214	20	10 1.1	18.6
285917 2001 QC_{172}	16.4	X	75.46380	26.51637	279.72263	6.63039	0.1553063	0.21867547	2.7285757	20	12 10.0	20.5
285918 2001 QX_{175}	17.6	X	138.24256	85.79269	290.10977	0.85622	0.1411948	0.23564043	2.5959890	20	2 11.6	21.2
285919 2001 QU_{183}	16.4	X	144.92790	133.93071	248.55770	3.82612	0.0999029	0.23643189	2.5901924	20	2 20.9	20.3
285920 2001 QV_{183}	17.6	X	100.70413	191.09518	173.84440	2.82180	0.1914497	0.28088047	2.3091653	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285921 2001 QD_{192}	15.9	X	140.40699	74.95754	242.81015	11.77815	0.2777768	0.22803886	2.6533638	20	—	—
285922 2001 QC_{212}	16.1	X	214.23345	340.35176	336.98809	7.25728	0.2521774	0.18706980	3.0278447	20	2 16.5	21.4
285923 2001 QN_{213}	17.8	X	232.87042	168.02477	168.15317	6.18894	0.2046539	0.29629809	2.2283504	20	3 18.1	21.3
285924 2001 QF_{217}	16.7	X	156.78609	163.64191	138.75195	4.28624	0.2215975	0.22899199	2.6459960	20	—	—
285925 2001 QM_{219}	17.2	X	176.89613	219.39438	156.99780	7.21513	0.1471685	0.29322609	2.2438870	20	3 19.3	20.5
285926 2001 QS_{222}	16.7	X	355.48741	162.16752	171.20540	12.76997	0.2156273	0.21000802	2.8031444	20	9 30.4	19.2
285927 2001 QN_{233}	17.2	X	310.57059	180.67787	172.78150	4.94884	0.2054272	0.25605933	2.4560789	20	7 22.1	19.4
285928 2001 QP_{243}	15.4	X	221.34817	310.74191	351.84836	10.22506	0.1254086	0.18355700	3.0663526	20	2 11.1	20.3
285929 2001 QF_{252}	17.6	X	229.37773	1.21801	11.75720	2.55006	0.2029654	0.30022442	2.2088796	20	4 30.4	21.1
285930 2001 QP_{253}	16.5	X	39.00483	318.02611	346.57964	7.48918	0.2065425	0.21350648	2.7724391	20	10 30.9	20.2
285931 2001 QB_{254}	17.3	X	230.39620	316.13766	7.21807	7.60590	0.2059325	0.29562834	2.2317147	20	3 1.4	21.0
285932 2001 QA_{262}	17.5	X	310.49593	2.77855	336.98135	19.97955	0.0950816	0.35924382	1.9597914	20	8 5.3	19.1
285933 2001 QZ_{278}	17.1	X	221.22197	336.58208	13.21507	8.06858	0.2254436	0.24389735	2.5370634	20	3 27.4	21.4
285934 2001 QZ_{279}	15.9	X	338.97490	10.68604	31.19335	13.60640	0.1969064	0.21326587	2.7745240	20	11 28.2	18.7
285935 2001 QV_{281}	15.2	X	52.66439	311.02041	19.85936	33.98150	0.1982026	0.21619387	2.7494161	20	12 13.1	19.9
285936 2001 QP_{286}	16.6	X	156.30273	99.32172	273.23074	13.49173	0.2340299	0.23626995	2.5913758	20	2 26.1	21.2
285937 2001 QU_{317}	16.0	X	321.06259	327.10289	356.81746	1.58413	0.0739040	0.20384436	2.8593693	20	7 10.9	19.4
285938 2001 QM_{323}	16.8	X	336.23436	110.52333	292.31297	5.60405	0.1177131	0.26466269	2.4025600	20	12 8.5	19.1
285939 2001 QE_{327}	16.4	X	207.28173	286.16014	54.56909	9.48863	0.1307057	0.24065633	2.5597911	20	3 11.3	20.5
285940 2001 QE_{330}	16.4	X	203.06979	144.31000	202.43050	18.66159	0.1268408	0.23932980	2.5692411	20	3 6.2	20.6
285941 2001 QO_{334}	16.7	X	237.44003	212.77380	200.61578	1.50886	0.0627913	0.20105148	2.8857888	20	7 15.7	20.8
285942 2001 QC_{335}	18.1	X	233.37530	302.20753	30.77043	4.10887	0.2012060	0.29760863	2.2218038	20	3 15.5	21.5
285943 2001 RB_{4}	14.9	X	186.39809	333.34003	321.33251	22.91643	0.1917575	0.18094597	3.0957801	20	1 5.9	20.3
285944 2001 RZ_{11}	16.5	X	287.31433	340.51054	324.02114	53.09016	0.5068677	0.30377263	2.1916454	20	2 17.3	20.7
285945 2001 RW_{13}	15.7	X	48.66507	205.17030	177.38338	5.35100	0.1229743	0.16941011	3.2347682	20	—	—
285946 2001 RA_{15}	15.7	X	164.59676	197.63636	216.03893	10.89047	0.1175781	0.19019440	2.9945913	20	4 26.1	20.4
285947 2001 RL_{18}	16.7	X	147.83260	349.99427	348.44271	3.64205	0.2377006	0.23218467	2.6216841	20	1 17.6	20.9
285948 2001 RA_{20}	15.4	X	241.18827	306.08989	329.08864	11.74425	0.1352414	0.18556505	3.0441912	20	1 27.3	20.2
285949 2001 RJ_{21}	16.7	X	105.42190	37.73313	352.89991	5.78859	0.3205143	0.23002092	2.6380994	20	2 19.1	20.5
285950 2001 RS_{21}	17.6	X	185.39019	206.08355	170.43548	4.36372	0.1644646	0.29395316	2.2401854	20	3 27.6	21.0
285951 2001 RK_{22}	16.6	X	125.79136	53.48535	341.91671	6.89300	0.1972018	0.23434619	2.6055382	20	2 29.5	20.5
285952 2001 RX_{22}	15.8	X	197.58936	67.64370	333.66754	8.96942	0.1395912	0.19346203	2.9607760	20	5 9.3	20.8
285953 2001 RB_{23}	16.5	X	149.20796	4.97771	341.99640	14.73355	0.0988747	0.23275374	2.6174091	20	1 18.6	20.5
285954 2001 RG_{30}	16.2	X	138.35046	173.67570	154.92468	9.54588	0.1168093	0.22866271	2.6485356	20	—	—
285955 2001 RE_{33}	16.4	X	26.99776	151.92102	164.66527	14.06936	0.1982302	0.21303294	2.7765461	20	11 4.2	20.0
285956 2001 RQ_{37}	15.8	X	227.36006	59.79362	319.16716	8.71265	0.1178851	0.19560345	2.9391272	20	5 12.6	20.4
285957 2001 RN_{41}	16.8	X	148.28449	111.58453	199.54461	4.43624	0.2354774	0.22833331	2.6510822	20	—	—
285958 2001 RD_{55}	16.9	X	292.76034	106.93785	202.56570	0.57015	0.2074522	0.19764780	2.9188250	20	4 20.2	21.0
285959 2001 RJ_{60}	16.5	X	119.74692	354.11783	15.68733	14.22009	0.1792418	0.22953680	2.6418075	20	1 25.2	20.5
285960 2001 RD_{64}	17.3	X	76.70515	185.26899	227.22573	6.76106	0.1675476	0.28034228	2.3121197	20	—	—
285961 2001 RN_{66}	15.4	X	143.76357	52.74754	351.43986	15.55395	0.1623216	0.18318671	3.0704833	20	3 26.0	20.3
285962 2001 RS_{73}	16.3	X	294.48024	1.40511	313.92402	5.82837	0.2525264	0.19731211	2.9221346	20	4 20.4	20.5
285963 2001 RD_{87}	15.6	X	246.50119	336.70811	346.22919	8.41769	0.1625069	0.19016036	2.9949487	20	3 22.2	20.2
285964 2001 RD_{95}	17.3	X	188.43579	188.23204	207.95067	4.75301	0.2352796	0.29430249	2.2384123	20	4 25.0	21.0
285965 2001 RS_{96}	16.5	X	286.47141	139.71026	232.80191	1.24439	0.0791611	0.20324556	2.8649827	20	7 24.0	20.2
285966 2001 RZ_{97}	17.1	X	221.26743	281.03568	356.57179	3.85023	0.1006986	0.23130405	2.6283340	20	1 5.2	21.1
285967 2001 RL_{99}	17.1	X	246.34080	354.93308	346.01584	5.21153	0.1456192	0.29940740	2.2128961	20	4 8.4	20.3
285968 2001 RY_{103}	16.8	X	235.82438	299.76925	31.56199	5.89181	0.2323895	0.24381450	2.5376382	20	3 18.0	21.1
285969 2001 RC_{105}	15.5	X	48.47329	41.57433	347.35856	9.35329	0.1047561	0.17099539	3.2147444	20	—	—
285970 2001 RL_{108}	16.6	X	24.90034	332.56056	0.82371	5.00395	0.0849227	0.21292054	2.7775231	20	10 31.8	20.2
285971 2001 RW_{109}	17.4	X	49.48348	160.64824	146.32204	3.09071	0.1777743	0.26652619	2.3913481	20	11 26.2	20.7
285972 2001 RK_{111}	15.8	X	182.24839	319.47369	126.45937	2.89903	0.0342211	0.19808756	2.9145035	20	6 23.7	19.9
285973 2001 RS_{111}	17.8	X	228.05122	166.77873	160.90209	4.02937	0.2214240	0.29484856	2.2356477	20	3 2.3	21.2
285974 2001 RH_{112}	16.6	X	271.69068	234.62753	107.09123	0.49052	0.1434294	0.19726805	2.9225697	20	5 14.8	20.7
285975 2001 RP_{116}	16.1	X	166.10493	239.08896	0.23457	11.11150	0.1414134	0.22100366	2.7093788	20	12 12.8	20.6
285976 2001 RT_{116}	16.7	X	287.46327	163.00305	94.99204	2.10249	0.1103214	0.24096508	2.5576041	20	2 18.7	20.2
285977 2001 RM_{122}	17.2	X	238.47530	160.75756	144.75443	3.61840	0.1064348	0.23991793	2.5650406	20	2 24.1	20.9
285978 2001 RP_{129}	16.3	X	349.62767	353.20628	11.92910	8.38350	0.2326055	0.20998465	2.8033523	20	11 1.3	18.9
285979 2001 RA_{132}	17.4	X	211.40836	311.77635	12.46716	6.76984	0.1463578	0.29101366	2.2552454	20	2 16.5	20.8
285980 2001 RB_{140}	16.1	X	198.18743	19.69217	15.61235	14.94387	0.1760126	0.19122478	2.9838245	20	5 1.3	21.1
285981 2001 RZ_{144}	15.9	X	351.58755	119.07587	247.70650	8.19242	0.1593505	0.21150690	2.7898854	20	11 1.3	18.9
285982 2001 RH_{145}	17.1	X	177.56092	88.30975	276.52576	3.47723	0.3168317	0.23920551	2.5701310	20	3 11.9	22.0
285983 2001 RU_{145}	15.7	X	144.92647	65.23886	334.65419	14.24878	0.1569575	0.18487988	3.0517078	20	3 20.1	20.7
285984 2001 RG_{149}	16.5	X	8.84415	244.35015	128.90542	8.76619	0.2373546	0.21458368	2.7631529	20	12 23.9	19.8
285985 2001 RM_{149}	15.9	X	283.73860	270.27395	337.31924	13.59450	0.0143093	0.23581260	2.5947253	20	2 15.8	19.3
285986 2001 RE_{150}	15.6	X	135.57735	11.27115	0.92707	10.71339	0.1983659	0.18121890	3.0926710	20	2 19.4	20.6
285987 2001 RH_{150}	17.6	X	202.52194	350.39750	16.79532	4.83705	0.1875678	0.29505739	2.2345928	20	3 31.2	21.2
285988 2001 RA_{156}	17.2	X	62.13406	191.07066	235.82937	3.06497	0.1118947	0.22856465	2.6492931	20	1 2.8	20.1
285989 2001 SG_{2}	14.9	X	156.82594	12.97610	326.12923	2.26907	0.2135402	0.12511253	3.9591519	20	2 3.3	21.2
285990 2001 SK_{9}	17.9	X	344.04754	34.55760	195.75699	25.96533	0.7890708	0.41313328	1.7854290	20	9 24.7	17.7
285991 2001 SH_{15}	15.8	X	320.15074	318.22715	4.86522	12.47247	0.1104722	0.20075757	2.8886046	20	7 6.3	19.6
285992 2001 SG_{25}	16.3	X	40.58017	172.22314	183.24360	8.24788	0.2164722	0.21591583	2.7517758	20	—	—
285993 2001 SU_{51}	15.5	X	138.90844	125.03817	176.33034	26.11046	0.2427510	0.17167860	3.2062099	20	—	—
285994 2001 SW_{59}	17.0	X	252.23464	354.57814	36.29141	5.43058	0.2288843	0.30182400	2.2010684	20	6 14.9	20.0
285995 2001 SJ_{62}	17.1	X	241.59622	353.35122	15.39634	8.82900	0.1689595	0.29860668	2.2168503	20	5 8.2	20.4
285996 2001 SH_{68}	15.6	X	199.96436	177.02895	198.23845	12.13678	0.1153274	0.18549275	3.0449822	20	4 14.5	20.3
285997 2001 SW_{76}	16.4	X	242.11242	52.04855	329.75217	7.19525	0.2171833	0.19569479	2.9382125	20	5 23.1	21.2
285998 2001 SQ_{77}	16.2	X	23.20580	0.18744	347.44915	14.24267	0.1187462	0.21472145	2.7619709	20	11 18.7	20.0
285999 2001 SJ_{84}	17.3	X	89.75622	66.49411	272.53193	2.90923	0.1508281	0.27562887	2.3384042	20	—	—
286000 2001 SU_{84}	18.0	X	246.87230	107.65997	191.28338	5.44245	0.1981069	0.29467005	2.2365506	20	2 11.1	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286001 2001 SH_{87}	15.7	X	122.98983	36.04559	338.21225	9.96914	0.0927495	0.18006198	3.1059041	20	1 27.6	20.2
286002 2001 SX_{89}	15.7	X	229.72352	286.18818	346.61705	16.65575	0.1711048	0.18270153	3.0759168	20	1 15.3	21.0
286003 2001 SY_{90}	15.9	X	212.47918	307.99705	342.68390	8.52896	0.0765001	0.18128017	3.0919741	20	1 20.6	20.7
286004 2001 SA_{93}	18.0	X	11.16512	120.58926	267.44540	0.64675	0.2046945	0.21574776	2.7532048	20	—	—
286005 2001 SC_{94}	17.0	X	257.97625	124.69200	227.72025	1.98744	0.2324960	0.19616972	2.9334683	20	5 2.2	21.4
286006 2001 SE_{97}	16.9	X	142.56301	161.60904	192.38441	10.80304	0.1370106	0.23136861	2.6278450	20	1 18.4	21.0
286007 2001 SC_{99}	16.6	X	264.89959	110.57338	232.70456	1.04046	0.0987503	0.19543029	2.9408631	20	5 14.7	20.7
286008 2001 SJ_{100}	16.1	X	145.75431	251.14564	192.59627	9.67255	0.0820329	0.19043217	2.9920981	20	5 13.2	20.6
286009 2001 SR_{101}	15.7	X	219.56027	327.35151	358.19370	11.13598	0.1091585	0.18654503	3.0335204	20	3 6.4	20.4
286010 2001 SC_{118}	15.8	X	183.42143	163.95133	202.14818	11.85223	0.1203490	0.18674242	3.0313824	20	3 16.4	20.7
286011 2001 SM_{118}	17.2	X	274.25848	71.07624	199.61571	6.85178	0.1264340	0.29367320	2.2416089	20	2 7.9	20.4
286012 2001 SY_{128}	17.2	X	158.97709	197.81713	192.96178	5.37359	0.1231170	0.29070027	2.2568659	20	3 16.1	20.3
286013 2001 SC_{135}	16.9	X	123.35345	175.91743	195.07828	4.34762	0.0840937	0.22999315	2.6383118	20	1 12.1	20.4
286014 2001 SE_{141}	16.0	X	135.80131	246.65264	140.23530	1.62563	0.2134015	0.18017280	3.1046303	20	3 6.2	20.9
286015 2001 SU_{141}	16.3	X	242.33790	192.25926	190.01956	12.78151	0.1075007	0.19649410	2.9302390	20	6 6.8	20.9
286016 2001 SJ_{142}	16.2	X	215.94898	187.82760	199.24835	8.97206	0.1895269	0.19278133	2.9677415	20	5 11.1	21.1
286017 2001 SJ_{144}	15.8	X	172.26173	217.00899	213.35752	2.91251	0.1487586	0.19140621	2.9819386	20	5 24.9	20.6
286018 2001 SK_{144}	15.8	X	152.36989	243.75923	186.70850	8.77819	0.1081338	0.18931207	3.0038888	20	5 5.6	20.4
286019 2001 SA_{146}	18.1	X	159.81238	55.80098	349.99112	6.06723	0.2252963	0.29150977	2.2526859	20	4 11.1	21.7
286020 2001 SU_{146}	15.4	X	13.25903	246.87135	4.57482	11.31016	0.1390710	0.19797998	2.9155592	20	6 28.8	19.0
286021 2001 SD_{147}	18.4	X	145.17647	254.52092	125.77664	0.06825	0.2197443	0.28631742	2.2798391	20	2 27.3	21.8
286022 2001 SU_{147}	15.3	X	126.48742	56.60146	320.42084	7.44950	0.1791214	0.17855742	3.1233269	20	2 11.6	19.9
286023 2001 SK_{150}	17.6	X	164.75817	220.86712	193.83376	8.20351	0.1376798	0.29313927	2.2443300	20	4 25.9	20.8
286024 2001 ST_{156}	15.9	X	312.70091	153.12711	200.00851	14.78107	0.1554121	0.20286327	2.8685809	20	7 24.4	19.6
286025 2001 SE_{157}	16.9	X	200.33342	22.14378	326.44304	5.19130	0.1648581	0.29074791	2.2566194	20	3 4.5	20.3
286026 2001 SZ_{157}	17.4	X	195.64523	46.32909	303.78056	3.63883	0.1590105	0.29078388	2.2564333	20	3 1.7	21.0
286027 2001 SG_{163}	17.6	X	223.05233	324.07528	11.41587	7.80256	0.2320891	0.29317145	2.2441658	20	3 9.6	21.4
286028 2001 SX_{164}	16.8	X	89.65905	135.91964	242.97966	5.60363	0.1244781	0.27798776	2.3251569	20	—	—
286029 2001 SV_{166}	17.7	X	161.63605	239.22151	172.21341	2.35589	0.1654056	0.29287189	2.2456958	20	4 19.4	21.1
286030 2001 SB_{169}	15.2	X	92.80131	20.53720	33.03180	18.02454	0.2167206	0.17582548	3.1555968	20	3 3.9	19.9
286031 2001 SL_{170}	16.3	X	22.79562	122.21695	319.27310	7.34312	0.1561861	0.22400260	2.6851426	20	—	—
286032 2001 SO_{170}	16.9	X	199.20481	53.11514	279.51843	4.26213	0.0792943	0.23707515	2.5855049	20	2 16.1	20.7
286033 2001 SR_{175}	17.5	X	263.21626	171.38389	142.71384	5.29792	0.2445520	0.29738351	2.2229249	20	3 15.3	20.8
286034 2001 SU_{189}	16.8	X	348.46693	236.51486	149.16420	1.73139	0.2017992	0.21258757	2.7804225	20	11 28.5	19.4
286035 2001 SV_{189}	15.5	X	62.26749	54.29162	351.45565	9.34572	0.0809760	0.17480593	3.1678548	20	—	—
286036 2001 ST_{196}	15.9	X	215.44476	304.88846	358.65267	10.34411	0.0366995	0.18255500	3.0775625	20	2 9.9	20.5
286037 2001 SH_{198}	17.0	X	103.51196	301.86780	32.40291	2.45480	0.1252826	0.22343637	2.6896770	20	—	—
286038 2001 SD_{203}	15.8	X	211.26079	256.43600	151.34197	2.37209	0.0957928	0.19500243	2.9451632	20	6 5.6	20.3
286039 2001 SZ_{203}	16.2	X	47.97091	309.53744	24.02180	4.93089	0.0699783	0.21492818	2.7601995	20	11 30.3	19.9
286040 2001 SK_{208}	17.3	X	93.69668	242.29879	145.20300	4.94500	0.1475397	0.28032499	2.3122148	20	—	—
286041 2001 SE_{211}	17.2	X	140.11450	339.84797	9.77083	2.26237	0.0990487	0.22991201	2.6389325	20	1 8.6	20.9
286042 2001 SV_{211}	16.4	X	238.64698	28.32311	1.43942	5.75700	0.0834644	0.19616322	2.9335331	20	6 13.6	20.7
286043 2001 SA_{212}	17.1	X	283.43844	165.76860	177.18658	13.11406	0.2746476	0.19861112	2.9093793	20	5 14.5	21.4
286044 2001 SL_{218}	16.3	X	25.97407	179.06227	176.70005	12.47713	0.1553310	0.21384534	2.7695095	20	12 13.8	20.1
286045 2001 SM_{218}	16.0	X	88.57676	272.52963	176.71368	14.73028	0.2057523	0.18018468	3.1044939	20	4 1.3	20.3
286046 2001 SQ_{220}	16.4	X	108.73288	265.12600	124.47265	2.33795	0.1865250	0.17710099	3.1404272	20	2 9.3	21.0
286047 2001 SP_{222}	17.4	X	119.49218	200.42698	136.48787	2.55858	0.1977281	0.22545136	2.6736270	20	—	—
286048 2001 SC_{227}	17.7	X	181.66202	324.85695	28.53877	4.31392	0.1091025	0.28852654	2.2681871	20	2 22.6	20.8
286049 2001 SK_{227}	16.0	X	231.17108	116.70755	181.03090	5.94488	0.1954245	0.18436721	3.0573625	20	2 7.2	21.2
286050 2001 SW_{228}	16.7	X	20.89251	259.72526	70.82581	2.52650	0.2074290	0.21021457	2.8013078	20	11 10.7	19.9
286051 2001 SH_{229}	16.3	X	294.37364	222.51433	141.76547	2.73609	0.1363278	0.20001788	2.8957218	20	7 15.7	19.9
286052 2001 SB_{231}	17.4	X	220.28456	69.66902	234.77833	6.13494	0.1439443	0.28956497	2.2627611	20	1 26.7	20.9
286053 2001 SS_{236}	17.3	X	99.09615	263.00297	31.25422	2.71145	0.2376899	0.21872934	2.7281277	20	12 22.8	22.0
286054 2001 SM_{242}	17.1	X	332.09631	257.27859	180.93256	4.46548	0.1960475	0.26634534	2.3924304	20	—	—
286055 2001 SM_{274}	16.8	X	67.79871	308.77160	7.03469	5.96339	0.1209191	0.21462905	2.7627636	20	12 8.3	20.8
286056 2001 SK_{282}	18.1	X	205.56620	74.55247	268.66115	5.47806	0.2181014	0.29119060	2.2543317	20	2 29.7	22.0
286057 2001 SJ_{285}	15.6	X	134.00800	40.68071	16.61245	17.00937	0.2293032	0.18145487	3.0899893	20	4 9.3	20.7
286058 2001 SF_{288}	16.1	X	30.53332	245.84205	136.99298	14.85854	0.2367972	0.21706135	2.7420858	20	—	—
286059 2001 SG_{292}	16.2	X	6.53882	190.65728	202.87055	13.01634	0.1604368	0.21629791	2.7485344	20	—	—
286060 2001 SH_{294}	15.4	X	255.00924	42.08229	315.09789	11.93109	0.1651107	0.19712640	2.9239696	20	5 8.3	20.1
286061 2001 SC_{300}	16.0	X	72.42735	235.26988	192.99200	9.13860	0.1115242	0.17744754	3.1363371	20	1 28.4	20.3
286062 2001 SP_{300}	16.5	X	217.44402	49.62330	189.71739	12.17693	0.1838456	0.22803550	2.6533899	20	—	—
286063 2001 SV_{302}	16.9	X	23.05918	81.93590	308.50628	3.78774	0.0629527	0.21885797	2.7270586	20	—	—
286064 2001 SX_{308}	17.0	X	338.04161	102.09761	340.48366	6.54316	0.0729966	0.27184844	2.3600334	20	—	—
286065 2001 SJ_{309}	17.6	X	271.10954	23.28313	297.84240	4.38235	0.1537710	0.29921557	2.2138418	20	4 8.3	20.6
286066 2001 SY_{311}	16.0	X	259.66746	71.74307	339.66146	11.63281	0.1275774	0.20051514	2.8909324	20	8 3.9	20.1
286067 2001 SB_{312}	16.5	X	114.13207	164.89301	213.98301	8.14545	0.0660985	0.23041681	2.6350768	20	1 7.2	20.1
286068 2001 SS_{315}	17.2	X	198.97841	70.45585	290.31711	6.75763	0.2396199	0.29053396	2.2577271	20	3 16.4	21.1
286069 2001 SS_{319}	16.0	X	283.50185	166.28767	180.28914	9.03375	0.1149209	0.19736243	2.9216379	20	6 10.3	20.1
286070 2001 SG_{326}	16.1	X	213.64806	112.39400	158.72712	12.83487	0.0980147	0.23431560	2.6057650	20	—	—
286071 2001 SN_{337}	16.9	X	98.05718	1.92494	6.53202	4.22186	0.1138667	0.22674329	2.6634614	20	—	—
286072 2001 SC_{344}	17.2	X	74.33472	218.08488	196.98393	23.85958	0.2348819	0.28059489	2.3107318	20	1 6.0	19.8
286073 2001 SQ_{349}	15.9	X	113.81975	40.22575	17.51247	11.42670	0.0644934	0.18135903	3.0910778	20	3 6.9	20.3
286074 2001 SL_{350}	17.6	X	5.38705	147.72144	265.60416	2.42977	0.1989240	0.26745622	2.3858012	20	—	—
286075 2001 SQ_{350}	15.9	X	295.85508	285.13401	26.56883	9.21392	0.1017742	0.19223897	2.9733208	20	5 11.7	19.8
286076 2001 SO_{355}	17.8	X	1.30475	209.23525	106.42512	3.14274	0.2049600	0.25990865	2.4317685	20	9 28.4	19.8
286077 2001 SX_{355}	17.5	X	227.98805	169.63659	150.92873	6.87544	0.2096783	0.29287270	2.2456917	20	2 23.1	21.0
286078 2001 SZ_{355}	15.8	X	212.43319	276.94110	83.12086	5.08509	0.1438933	0.18786966	3.0192445	20	4 8.9	20.7
286079 2001 TW_{1}	19.2	X	243.32319	208.80961	27.35828	31.32596	0.5260262	1.13296132	0.9112957	20	—	—
286080 2001 TX_{1}	21.1	X	55.72656	354.11601	159.19707	2.80045	0.4825624	0.91951654	1.0473609	20	7 22.1	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286081 2001 TT_{9}	15.1	X	144.59475	207.66722	208.85524	11.49240	0.1236638	0.18381397	3.0634940	20	4 9.9	19.9
286082 2001 TG_{12}	17.9	X	136.78851	32.53900	20.59376	4.44807	0.2055757	0.28718905	2.2752239	20	3 31.3	21.3
286083 2001 TB_{17}	16.9	X	112.17345	30.37449	15.46032	7.76656	0.1944465	0.22974264	2.6402293	20	3 1.4	20.7
286084 2001 TV_{17}	15.5	X	87.20386	84.33282	0.29712	12.65047	0.2838771	0.17629429	3.1500000	20	4 1.9	19.9
286085 2001 TJ_{18}	17.2	X	132.97409	16.17849	26.33892	2.83667	0.2069433	0.28458078	2.2891048	20	3 14.4	20.3
286086 2001 TH_{20}	15.7	X	191.89432	97.93583	299.04486	8.97345	0.2533406	0.18669151	3.0319335	20	4 27.7	21.2
286087 2001 TE_{22}	15.2	X	197.92881	125.65039	189.48493	17.64913	0.0878737	0.18034650	3.1026366	20	1 29.5	20.3
286088 2001 TT_{24}	17.3	X	232.00625	354.74686	325.16823	4.25016	0.2112904	0.29251176	2.2475386	20	2 25.1	20.9
286089 2001 TG_{27}	15.4	X	261.87253	88.17943	226.06877	8.60276	0.0309601	0.18687160	3.0299852	20	4 12.3	19.6
286090 2001 TY_{27}	17.0	X	189.35196	169.56844	258.92143	4.80867	0.1521874	0.29652418	2.2272175	20	6 7.8	20.4
286091 2001 TO_{28}	17.5	X	229.51021	84.55649	272.87394	4.64127	0.2188845	0.29531073	2.2333146	20	4 7.8	21.2
286092 2001 TR_{31}	17.3	X	165.66031	46.75136	347.76378	5.86910	0.1435353	0.28832346	2.2692520	20	3 29.2	20.7
286093 2001 TW_{35}	17.2	X	21.07590	217.45903	239.19259	18.67432	0.0617841	0.38011275	1.8873876	20	—	—
286094 2001 TZ_{36}	14.7	X	113.12735	202.73168	254.56372	23.55649	0.2574363	0.17860108	3.1228179	20	5 10.9	19.9
286095 2001 TC_{46}	17.2	X	261.23717	176.36447	323.75771	17.39441	0.0595107	0.37254310	1.9128681	20	—	—
286096 2001 TR_{47}	15.9	X	252.47278	176.52493	156.20365	10.49598	0.0849318	0.18907418	3.0064079	20	4 21.9	20.4
286097 2001 TK_{68}	17.4	X	248.56010	291.23856	45.63964	4.45888	0.2459162	0.29595956	2.2300493	20	3 31.3	21.0
286098 2001 TX_{68}	16.0	X	86.60289	260.34372	16.28573	2.86102	0.0543969	0.21029166	2.8006232	20	11 3.1	20.0
286099 2001 TA_{69}	16.0	X	355.99580	87.11128	207.38695	7.71886	0.1531473	0.20102121	2.8860785	20	7 25.3	19.3
286100 2001 TL_{75}	16.5	X	332.80558	61.27569	16.69211	6.83860	0.0887374	0.21508287	2.7588759	20	—	—
286101 2001 TM_{75}	17.8	X	302.44897	139.33366	210.79242	4.05318	0.2387775	0.30624656	2.1798264	20	6 27.4	19.6
286102 2001 TY_{90}	16.3	X	318.10856	90.89260	320.74935	3.63240	0.1055843	0.20915119	2.8107949	20	10 31.5	19.6
286103 2001 TN_{92}	16.5	X	340.62478	70.16570	4.61860	7.49494	0.0911601	0.26828933	2.3808596	20	—	—
286104 2001 TP_{92}	17.9	X	224.63002	111.49036	232.34543	4.96834	0.2291728	0.29415298	2.2391708	20	3 17.3	21.7
286105 2001 TL_{93}	17.5	X	180.55243	131.26160	247.54163	5.68523	0.1656492	0.29065946	2.2570772	20	3 22.9	21.0
286106 2001 TM_{94}	12.9	X	243.34454	335.67069	15.50154	19.74246	0.1134624	0.08438830	5.1477157	20	4 26.9	20.1
286107 2001 TL_{97}	15.5	X	191.67414	176.75018	239.91843	11.80869	0.1306583	0.18955223	3.0013510	20	5 26.2	20.3
286108 2001 TY_{97}	17.0	X	120.11397	169.48208	228.30930	6.57588	0.0834520	0.28315497	2.2967828	20	2 1.4	19.8
286109 2001 TR_{98}	17.8	X	224.17459	107.66032	214.91494	5.07255	0.2045813	0.29140232	2.2532396	20	2 20.5	21.6
286110 2001 TQ_{99}	12.6	X	324.47784	39.11136	226.89437	13.49295	0.0756301	0.08438867	5.1477007	20	5 2.3	19.1
286111 2001 TO_{101}	16.2	X	240.47351	141.38615	208.49776	9.36281	0.0957218	0.19083503	2.9878857	20	4 25.7	20.6
286112 2001 TP_{101}	16.7	X	72.06515	89.74672	251.25727	1.19870	0.2539473	0.21877253	2.7277685	20	—	—
286113 2001 TS_{102}	16.0	X	231.47433	24.11051	9.83992	8.40236	0.1013354	0.19408414	2.9544458	20	6 8.1	20.6
286114 2001 TV_{119}	12.7	X	198.03246	139.17235	256.29253	21.91677	0.0366436	0.08324520	5.1947333	20	5 10.1	19.9
286115 2001 TB_{125}	17.2	X	104.36502	160.76583	284.24157	7.73713	0.0965534	0.28766326	2.2727227	20	3 15.5	20.1
286116 2001 TO_{126}	16.5	X	254.25746	104.74778	193.23533	14.72957	0.0774131	0.18630075	3.0361716	20	3 7.9	21.1
286117 2001 TN_{129}	16.6	X	272.69272	107.47472	230.68120	1.04433	0.1070191	0.19449094	2.9503246	20	5 16.6	20.7
286118 2001 TB_{132}	17.0	X	150.71306	149.22509	241.82321	3.13962	0.1215802	0.23557339	2.5964815	20	3 11.3	21.0
286119 2001 TV_{140}	16.4	X	81.54664	327.29429	58.35071	6.75413	0.1016386	0.22614990	2.6681185	20	—	—
286120 2001 TF_{143}	15.7	X	142.05587	339.66931	62.04046	6.38597	0.1637588	0.18241564	3.0791298	20	3 27.5	20.6
286121 2001 TF_{144}	16.6	X	9.25866	15.84073	43.44058	9.51453	0.2418736	0.21681407	2.7441704	20	—	—
286122 2001 TE_{149}	16.5	X	77.44069	328.40924	43.63179	13.41362	0.1849228	0.27472404	2.3435359	20	—	—
286123 2001 TP_{149}	17.5	X	247.66689	275.88014	80.55412	3.80212	0.2242138	0.29843733	2.2176889	20	4 26.4	20.8
286124 2001 TG_{150}	17.0	X	273.45051	326.89464	63.21876	7.02769	0.1038240	0.30514824	2.1850538	20	8 7.2	19.4
286125 2001 TZ_{150}	17.2	X	159.03553	176.34830	141.91982	6.08403	0.1841932	0.28058804	2.3107694	20	—	—
286126 2001 TD_{155}	15.8	X	73.59144	277.93487	220.73681	7.47728	0.0797000	0.18265401	3.0764504	20	4 23.9	19.9
286127 2001 TE_{155}	15.7	X	103.30748	198.98019	219.52696	9.78976	0.0809938	0.17639681	3.1487794	20	2 19.6	20.4
286128 2001 TG_{160}	17.0	X	321.26060	234.72227	233.97445	3.43318	0.1725964	0.26724429	2.3870623	20	—	—
286129 2001 TB_{162}	17.2	X	12.62389	156.74958	266.93854	1.75884	0.2147959	0.27115601	2.3640495	20	—	—
286130 2001 TY_{162}	15.7	X	92.97066	280.94190	215.02035	5.49347	0.0644026	0.18878100	3.0095198	20	5 14.1	19.8
286131 2001 TD_{163}	17.9	X	161.06199	136.57259	277.52384	1.71191	0.1476974	0.29225485	2.2488556	20	4 19.9	21.3
286132 2001 TW_{164}	16.5	X	171.73903	277.88047	86.06663	8.52472	0.2155969	0.23577116	2.5950293	20	3 9.3	21.0
286133 2001 TK_{177}	16.4	X	311.90345	215.90445	229.62202	8.52888	0.1709259	0.21169182	2.7882604	20	12 6.1	19.3
286134 2001 TY_{178}	16.1	X	219.96878	32.32816	355.73655	9.57280	0.0942454	0.19131220	2.9829154	20	5 17.9	20.8
286135 2001 TD_{179}	15.4	X	263.17400	50.71624	246.96418	7.73220	0.1044249	0.18628518	3.0363407	20	3 12.9	20.0
286136 2001 TA_{182}	15.5	X	118.89094	48.34838	15.51214	9.39404	0.0880419	0.18045187	3.1014287	20	3 21.1	20.1
286137 2001 TR_{184}	16.3	X	169.55407	104.76737	297.95439	3.03636	0.1151972	0.18605662	3.0388270	20	4 16.3	21.1
286138 2001 TN_{188}	16.0	X	215.59975	337.98408	16.91366	5.95106	0.2913339	0.18762709	3.0218462	20	3 29.6	21.5
286139 2001 TO_{192}	15.8	X	9.75481	133.53188	246.25415	8.18326	0.0668223	0.21026906	2.8008239	20	12 7.8	19.2
286140 2001 TU_{193}	17.2	X	5.26022	61.57966	211.60873	4.33363	0.1236539	0.30463669	2.1874992	20	7 21.9	18.9
286141 2001 TR_{196}	15.4	X	202.60881	300.30272	78.67859	13.21807	0.2083799	0.18765435	3.0215535	20	4 23.9	20.7
286142 2001 TA_{200}	15.6	X	4.49476	325.87815	74.39070	10.01051	0.1571204	0.21528789	2.7571241	20	—	—
286143 2001 TE_{201}	16.2	X	208.27920	272.61343	109.01576	8.38543	0.2173516	0.19004912	2.9961173	20	4 29.4	21.4
286144 2001 TG_{207}	17.9	X	237.85815	267.82645	17.69689	1.87662	0.2072403	0.28947004	2.2632557	20	1 20.1	21.6
286145 2001 TJ_{207}	17.7	X	113.66837	91.46426	322.17319	1.52979	0.2093922	0.23178588	2.6246903	20	3 11.5	21.6
286146 2001 TM_{208}	17.3	X	72.10982	214.55095	177.19481	10.15078	0.1486154	0.27541767	2.3395995	20	—	—
286147 2001 TX_{209}	16.1	X	62.43741	84.30543	310.43154	12.65397	0.1237394	0.22470011	2.6795828	20	—	—
286148 2001 TG_{217}	17.6	X	0.57989	221.58507	226.56551	0.80935	0.1526151	0.27190353	2.3597146	20	—	—
286149 2001 TU_{217}	16.7	X	35.53873	166.13122	245.00192	4.05351	0.1116734	0.22098382	2.7095411	20	—	—
286150 2001 TO_{220}	17.3	X	174.85113	49.42140	352.75675	7.32260	0.1956921	0.23941823	2.5686085	20	4 19.8	21.7
286151 2001 TL_{235}	15.7	X	211.77554	139.41513	225.63960	8.47195	0.1243343	0.18889183	3.0083424	20	4 11.3	20.4
286152 2001 TU_{235}	15.8	X	353.06696	12.27502	69.87382	12.81663	0.1506687	0.21618147	2.7495212	20	—	—
286153 2001 TA_{236}	16.6	X	187.08542	238.63252	183.85940	14.85200	0.1094789	0.24249858	2.5468102	20	5 30.7	20.7
286154 2001 TU_{240}	15.2	X	176.95929	350.31800	17.56780	9.79115	0.1339968	0.18100784	3.0950747	20	3 17.4	20.1
286155 2001 TM_{243}	17.0	X	258.77286	11.38083	252.17440	3.72527	0.2110832	0.23889795	2.5723364	20	1 15.6	21.2
286156 2001 TK_{246}	17.9	X	241.50787	267.27546	154.79220	1.74475	0.1496237	0.25258790	2.4785310	20	7 24.1	21.3
286157 2001 TD_{249}	17.7	X	204.45554	300.15213	47.34658	4.09014	0.1725585	0.23914018	2.5705991	20	3 13.5	21.8
286158 2001 TW_{253}	16.9	X	47.39894	176.62038	125.50127	5.08296	0.1849790	0.26321957	2.4113334	20	11 18.6	20.1
286159 2001 TN_{254}	16.6	X	75.89174	159.73163	172.24952	9.57676	0.0805224	0.21658940	2.7460678	20	—	—
286160 2001 TJ_{257}	16.6	X	117.41842	266.28334	114.25224	5.74790	0.0843490	0.22828140	2.6514841	20	1 18.0	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286161 2001 TK_{257}	16.3	X	198.81563	311.48873	109.12398	4.30662	0.0565249	0.19307157	2.9647665	20	6 10.2	20.5
286162 Tatarka	16.6	X	55.17764	275.98278	92.98042	4.44563	0.1108773	0.21868587	2.7284892	20	—	—
286163 2001 TY_{260}	17.6	X	134.82087	248.62281	23.10549	20.35830	0.0618465	0.37721985	1.8970249	20	—	—
286164 2001 UQ_{3}	17.4	X	183.85605	298.23827	36.00937	23.54864	0.1864370	0.28613970	2.2807830	20	2 14.7	21.6
286165 2001 US_{6}	17.0	X	76.11037	104.27588	9.03953	6.78340	0.1149500	0.28640938	2.2793511	20	3 22.1	19.1
286166 2001 UZ_{7}	15.8	X	145.76514	252.91173	198.78395	9.44760	0.0780814	0.18886272	3.0086515	20	5 22.5	20.3
286167 2001 UJ_{9}	16.6	X	178.33273	294.18690	134.10693	2.43164	0.3149229	0.18738150	3.0244860	20	5 28.7	22.2
286168 2001 UY_{11}	17.1	X	217.38732	117.22490	223.74323	8.11672	0.3071640	0.29059137	2.2574297	20	3 5.7	21.3
286169 2001 UX_{15}	17.3	X	228.66516	118.19512	264.94719	4.32335	0.1810042	0.29755365	2.2220775	20	5 14.9	20.6
286170 2001 UM_{26}	16.4	X	128.63941	201.49546	232.49728	13.37097	0.2334012	0.23531049	2.5984150	20	4 22.3	20.5
286171 2001 UY_{26}	16.6	X	287.01907	126.39484	250.68764	4.95006	0.1013658	0.19761212	2.9191764	20	7 26.1	20.5
286172 2001 UH_{27}	15.6	X	320.04751	128.98819	351.86181	13.21656	0.1451789	0.21800873	2.7341361	20	—	—
286173 2001 UL_{40}	17.0	X	332.01227	2.73851	80.17847	2.72915	0.1661425	0.26656944	2.3910894	20	—	—
286174 2001 UM_{41}	17.5	X	40.51908	242.44885	138.24793	1.83087	0.1858186	0.26967494	2.3726972	20	—	—
286175 2001 UX_{41}	15.9	X	322.26319	169.38010	175.23947	4.05613	0.1484181	0.20067024	2.8894426	20	8 2.4	19.1
286176 2001 UD_{43}	16.7	X	87.70763	170.88207	171.79074	4.69629	0.2092671	0.21997494	2.7178193	20	—	—
286177 2001 US_{43}	17.6	X	12.03758	40.41789	43.59284	2.09449	0.1519502	0.27277719	2.3546734	20	—	—
286178 2001 UA_{44}	15.5	X	107.06306	221.27793	195.71513	11.39939	0.1394861	0.17733743	3.1376352	20	3 2.3	20.1
286179 2001 UP_{44}	15.6	X	263.47229	118.06485	205.76942	11.20505	0.1457123	0.18980907	2.9986428	20	4 12.5	19.9
286180 2001 UP_{46}	17.5	X	181.39379	182.74942	182.08569	4.15427	0.2505975	0.28893193	2.2660650	20	3 11.3	21.4
286181 2001 UA_{47}	15.4	X	115.38957	338.93927	57.00689	8.26430	0.1645121	0.17577375	3.1562159	20	2 25.0	20.2
286182 2001 UT_{49}	17.2	X	179.54800	214.52836	154.54683	6.95854	0.2183381	0.28816050	2.2701075	20	3 15.5	20.8
286183 2001 UQ_{50}	15.6	X	95.71002	313.11739	70.02915	17.68293	0.1608231	0.22331264	2.6906705	20	1 4.6	19.1
286184 2001 UK_{51}	15.8	X	172.17894	201.05393	200.49026	13.77435	0.1928758	0.18308359	3.0716361	20	4 21.7	20.9
286185 2001 UV_{54}	17.4	X	327.04652	254.90955	60.15128	4.36220	0.1935376	0.30392438	2.1909158	20	7 3.1	18.6
286186 2001 UQ_{55}	17.3	X	121.54895	49.28588	341.26662	3.93073	0.2059497	0.23092463	2.6312122	20	2 20.6	21.2
286187 2001 UT_{56}	16.1	X	174.01341	75.37365	316.70066	1.08052	0.1009459	0.18570509	3.0426606	20	4 8.4	20.9
286188 2001 UZ_{56}	17.6	X	274.89399	314.40586	5.78331	3.62624	0.1618310	0.29814247	2.2191508	20	4 12.5	20.3
286189 2001 US_{57}	16.6	X	32.95078	155.36564	202.88474	10.02236	0.1506798	0.21374092	2.7704114	20	12 23.9	20.5
286190 2001 UH_{61}	17.8	X	268.56899	332.29199	349.49823	3.21296	0.1100290	0.29666619	2.2265067	20	4 13.7	20.5
286191 2001 UC_{62}	15.9	X	173.39093	147.73522	242.87367	5.45619	0.1194166	0.18466772	3.0540447	20	4 5.3	20.8
286192 2001 UM_{62}	17.6	X	149.05921	350.94167	24.39079	7.95931	0.1167576	0.28471238	2.2883993	20	2 18.1	20.8
286193 2001 UG_{64}	17.4	X	307.70062	69.40074	334.96188	3.21873	0.1131635	0.25965834	2.4333311	20	10 15.8	19.9
286194 2001 UP_{64}	15.5	X	68.89550	52.13643	356.93765	18.24128	0.1507783	0.17133469	3.2104989	20	1 12.9	19.9
286195 2001 UV_{66}	18.7	X	230.17760	5.76028	317.40382	2.02261	0.1898037	0.29244686	2.2478711	20	2 28.4	22.3
286196 2001 UD_{67}	15.9	X	88.10326	2.79387	34.20736	9.40361	0.0521234	0.17309196	3.1887328	20	1 7.6	20.4
286197 2001 UT_{67}	16.7	X	313.35477	86.36115	54.70194	6.12888	0.0816314	0.27334415	2.3514163	20	—	—
286198 2001 UD_{68}	17.4	X	152.71638	316.93516	44.82766	7.02350	0.0534511	0.28382200	2.2931828	20	1 26.7	20.4
286199 2001 UM_{68}	16.7	X	64.28560	269.26053	76.63806	2.84810	0.3179777	0.21696619	2.7428876	20	—	—
286200 2001 UC_{69}	13.1	X	356.19877	22.73993	210.26569	10.49196	0.0446945	0.08369548	5.1760846	20	5 7.7	19.7
286201 2001 UK_{70}	17.8	X	357.52314	257.12066	26.29265	3.72419	0.1515596	0.30471502	2.1871243	20	7 27.9	19.3
286202 2001 UO_{80}	17.0	X	310.39758	289.71906	51.71508	2.49409	0.1866136	0.25171809	2.4842374	20	7 6.5	19.4
286203 2001 UF_{83}	17.4	X	355.92824	9.90531	46.04489	3.08244	0.1957323	0.26596424	2.3947153	20	—	—
286204 2001 UZ_{84}	17.1	X	92.99010	182.95503	194.92893	5.95923	0.1267095	0.22533818	2.6745221	20	—	—
286205 2001 UF_{85}	16.9	X	49.93181	41.93906	30.54788	2.12444	0.0718685	0.22617540	2.6679180	20	—	—
286206 2001 UU_{88}	15.8	X	119.09899	349.18734	56.28769	6.18800	0.1484575	0.17958906	3.1113543	20	3 8.1	20.5
286207 2001 UH_{90}	17.6	X	300.34830	329.08459	134.89555	3.05852	0.1591947	0.26308161	2.4121764	20	12 30.6	19.5
286208 2001 UZ_{90}	16.8	X	51.56542	164.66721	175.26013	4.31042	0.0757770	0.21369698	2.7707911	20	12 14.3	20.7
286209 2001 UX_{91}	15.5	X	185.58192	297.65227	63.23883	17.08598	0.1558810	0.18256553	3.0774443	20	3 24.3	20.8
286210 2001 UP_{94}	16.5	X	344.84216	282.48573	129.93159	9.20548	0.2079493	0.21079662	2.7961488	20	12 28.4	19.3
286211 2001 UR_{95}	16.3	X	30.82909	248.49828	187.78468	11.95252	0.0756337	0.22319093	2.6916485	20	—	—
286212 2001 UO_{97}	15.6	X	96.22663	27.02607	52.71570	11.37181	0.0690361	0.17917218	3.1161785	20	3 15.4	20.1
286213 2001 UG_{99}	15.8	X	185.38945	214.26914	205.89876	9.96482	0.0943750	0.18914833	3.0056221	20	5 25.6	20.5
286214 2001 UA_{102}	16.7	X	62.34509	133.87682	200.87036	3.86770	0.1547022	0.21531029	2.7569329	20	12 29.9	20.8
286215 2001 UU_{102}	17.2	X	157.25112	297.65903	83.41430	2.83568	0.1120335	0.23439411	2.6051831	20	3 8.0	21.1
286216 2001 UH_{103}	16.0	X	217.87271	129.31678	197.77760	9.66571	0.0209735	0.18361754	3.0656784	20	3 7.3	20.5
286217 2001 UP_{107}	17.2	X	297.48512	246.45368	197.27971	1.95414	0.1986475	0.26040992	2.4286468	20	11 19.7	18.9
286218 2001 UX_{107}	17.2	X	39.51307	151.99133	186.91429	0.91450	0.1908111	0.26423251	2.4051669	20	12 26.2	20.5
286219 2001 UQ_{114}	17.8	X	112.94652	26.32407	60.40185	3.94278	0.1782397	0.28681609	2.2771958	20	4 16.7	20.7
286220 2001 UW_{114}	17.4	X	230.56857	137.63741	208.88309	5.08394	0.1614374	0.29330773	2.2434706	20	3 30.5	20.9
286221 2001 UP_{117}	15.0	X	105.37149	254.43439	224.06911	25.20588	0.2019889	0.18160125	3.0883286	20	5 24.2	19.8
286222 2001 UX_{120}	17.5	X	128.30613	253.61566	169.94926	2.47776	0.1177117	0.28635533	2.2796379	20	3 25.7	20.3
286223 2001 UV_{124}	15.4	X	146.02590	260.41643	117.65625	13.30172	0.1695456	0.17932396	3.1144199	20	3 4.8	20.5
286224 2001 UV_{131}	17.4	X	335.42351	326.34939	102.81200	2.15353	0.1556525	0.26464384	2.4026740	20	—	—
286225 2001 UJ_{132}	16.6	X	97.13948	345.76869	66.68051	9.01096	0.1845478	0.22613241	2.6682561	20	2 20.9	20.2
286226 2001 UY_{133}	16.1	X	28.06106	248.97023	28.41709	2.00213	0.0690925	0.20038688	2.8921659	20	8 21.4	19.7
286227 2001 UV_{140}	13.3	X	258.63284	301.24730	38.42704	9.29375	0.0815820	0.08367202	5.1770522	20	5 7.3	20.3
286228 2001 UH_{142}	16.0	X	152.08030	248.48079	181.30695	5.30948	0.1733405	0.18471783	3.0534923	20	5 7.9	21.0
286229 2001 UB_{144}	17.7	X	337.15819	243.39714	177.38023	2.37951	0.2012115	0.26383907	2.4075574	20	—	—
286230 2001 UP_{160}	15.5	X	134.18829	3.68691	57.27291	6.26965	0.1387426	0.17938861	3.1136715	20	4 9.1	20.3
286231 2001 UE_{164}	16.0	X	246.24253	202.92156	189.71166	9.90844	0.1096209	0.19459114	2.9493117	20	6 23.1	20.5
286232 2001 UR_{167}	15.6	X	145.10669	127.59503	264.69270	11.66907	0.3236380	0.23223298	2.6213204	20	3 18.6	20.5
286233 2001 UD_{172}	16.6	X	3.09890	5.18530	43.44246	6.92440	0.0247998	0.21556250	2.7547820	20	—	—
286234 2001 UE_{173}	16.0	X	189.60939	27.27694	43.44039	10.22012	0.0561661	0.19086771	2.9875446	20	6 11.1	20.5
286235 2001 UD_{174}	17.2	X	60.80846	287.38515	96.61310	2.86852	0.1720234	0.21905972	2.7253840	20	—	—
286236 2001 UN_{177}	17.3	X	335.45218	54.17349	20.33013	2.54573	0.2015897	0.26493361	2.4009218	20	—	—
286237 2001 UX_{185}	16.4	X	48.24219	341.16680	17.91103	13.90025	0.0697300	0.21736379	2.7395417	20	—	—
286238 2001 UG_{193}	16.4	X	338.79102	116.52460	214.08277	5.87308	0.0795078	0.20251484	2.8718702	20	8 14.5	20.0
286239 2001 UR_{193}	15.9	X	316.41838	200.15057	9.48006	13.62244	0.1199141	0.23384495	2.6092602	20	1 28.2	19.5
286240 2001 UF_{198}	16.6	X	26.16466	189.13499	222.00066	4.36983	0.0443270	0.21979042	2.7193402	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286241 2001 UQ_{200}	18.0	X	164.12386	344.39629	350.91953	2.96723	0.1359950	0.28316557	2.2967255	20	1 13.2	21.1
286242 2001 UL_{202}	16.8	X	58.35954	24.63270	15.84126	4.04820	0.1101644	0.22168303	2.7038406	20	—	—
286243 2001 UQ_{203}	17.2	X	73.14740	115.02291	5.57161	5.00285	0.0723121	0.28732426	2.2745100	20	3 20.9	19.7
286244 2001 UW_{210}	16.1	X	85.84973	84.90286	358.42493	4.93703	0.1480551	0.17774135	3.1328798	20	3 12.6	20.2
286245 2001 UX_{211}	17.1	X	22.02639	210.56576	228.78721	5.76952	0.1027624	0.27364698	2.3496812	20	—	—
286246 2001 UF_{212}	17.1	X	116.93249	184.50236	267.88195	2.24570	0.1452403	0.23529884	2.5985008	20	4 25.0	20.8
286247 2001 UX_{212}	15.7	X	59.75159	34.96641	47.24704	8.84312	0.0490744	0.17242198	3.1969877	20	1 26.9	20.1
286248 2001 UK_{216}	16.4	X	345.78409	297.34172	103.88786	3.01289	0.0759987	0.21188798	2.7865392	20	12 2.7	19.8
286249 2001 UP_{216}	17.6	X	171.32641	256.26935	118.35796	1.95501	0.1461708	0.23620901	2.5918214	20	3 15.4	21.6
286250 2001 UQ_{216}	15.6	X	6.81906	247.18481	42.71825	8.57388	0.0405392	0.19952932	2.9004468	20	8 6.9	19.5
286251 2001 UM_{219}	15.8	X	236.98505	89.52890	211.22524	14.91084	0.0400425	0.18081724	3.0972493	20	2 22.8	20.5
286252 2001 US_{221}	16.8	X	357.71869	159.57172	223.35292	5.01617	0.0694691	0.20908848	2.8113568	20	11 25.2	20.4
286253 2001 UZ_{222}	17.0	X	352.44268	91.66218	286.57969	7.48263	0.2172209	0.21111861	2.7933051	20	11 25.9	19.9
286254 2001 UJ_{226}	16.7	X	152.07163	208.70454	84.26253	4.59943	0.0790414	0.22257042	2.6966490	20	—	—
286255 2001 UZ_{226}	16.7	X	61.49989	318.16224	53.06388	7.23375	0.0525194	0.21952174	2.7215586	20	—	—
286256 2001 UE_{227}	16.7	X	20.59224	194.88423	166.68973	7.51944	0.1137217	0.21252814	2.7809409	20	12 7.6	20.3
286257 2001 UW_{229}	17.4	X	228.98496	167.62823	149.49047	6.55709	0.1462320	0.29200820	2.2501217	20	2 21.8	20.5
286258 2001 UB_{230}	16.1	X	165.05206	240.50908	198.11346	9.58130	0.0275038	0.19177043	2.9781618	20	5 25.3	20.4
286259 2001 VQ_{3}	17.8	X	7.20114	256.63323	225.22997	5.67061	0.0637588	0.27708794	2.3301880	20	—	—
286260 2001 VC_{7}	16.9	X	99.95400	129.50506	231.82715	3.90040	0.1310666	0.22190769	2.7020153	20	—	—
286261 2001 VQ_{8}	17.8	X	203.34121	243.51513	114.98058	1.05408	0.2546254	0.29051659	2.2578171	20	3 21.0	21.7
286262 2001 VK_{17}	17.0	X	157.63824	283.73480	78.23942	7.25142	0.1232807	0.28297887	2.2977355	20	2 10.1	20.3
286263 2001 VC_{19}	17.1	X	172.10614	315.53861	39.61160	5.58798	0.2581294	0.28633696	2.2797354	20	2 24.7	20.9
286264 2001 VR_{25}	17.4	X	179.89568	357.43980	28.90071	3.18072	0.1560898	0.28898374	2.2657941	20	4 4.0	20.7
286265 2001 VQ_{32}	15.1	X	203.68694	331.08151	57.92739	12.77684	0.2352300	0.18605770	3.0388152	20	5 2.6	20.3
286266 2001 VH_{39}	17.2	X	110.06645	165.38017	244.19328	3.97323	0.1467259	0.28091048	2.3090008	20	2 14.7	20.0
286267 2001 VH_{51}	15.1	X	191.35956	193.63893	229.46527	21.75257	0.1087308	0.19047327	2.9916677	20	6 2.7	19.9
286268 2001 VN_{51}	15.3	X	303.48402	329.10834	13.61070	12.16568	0.0670786	0.19640591	2.9311161	20	7 12.7	19.4
286269 2001 VG_{56}	15.8	X	188.85186	132.05028	247.13040	11.75469	0.1848421	0.18477033	3.0529139	20	4 4.5	21.1
286270 2001 VV_{68}	16.2	X	219.17173	31.13671	16.13236	17.46104	0.1261128	0.19230537	2.9726363	20	6 7.4	21.1
286271 2001 VX_{69}	17.0	X	206.29487	24.87291	313.23412	4.72180	0.2036119	0.28784443	2.2717690	20	2 25.9	20.7
286272 2001 VN_{73}	16.5	X	224.75574	95.89853	251.04201	3.36438	0.2434369	0.18610711	3.0382772	20	3 26.9	21.8
286273 2001 VA_{77}	16.4	X	210.88603	244.30495	101.36219	22.41407	0.2804900	0.28913863	2.2649849	20	3 20.1	20.9
286274 2001 VZ_{77}	17.3	X	236.55628	267.31301	256.07916	1.64120	0.1101825	0.26233723	2.4167372	20	12 10.0	20.1
286275 2001 VW_{81}	16.5	X	207.52858	64.33388	231.48370	22.78064	0.2584592	0.28360257	2.2943655	20	1 4.1	20.9
286276 2001 VE_{85}	15.9	X	281.20672	131.82606	223.58446	10.97222	0.0832769	0.19286112	2.9669229	20	6 22.1	20.0
286277 2001 VF_{87}	16.8	X	24.38412	161.59903	230.63879	24.07387	0.1204694	0.37043194	1.9201291	20	—	—
286278 2001 VG_{87}	15.8	X	227.35402	340.31706	208.65534	15.19535	0.0309350	0.21542616	2.7559442	20	12 28.5	19.8
286279 2001 VM_{92}	16.1	X	212.69514	262.03675	138.24762	9.66651	0.2739254	0.18919002	3.0051806	20	5 21.9	21.5
286280 2001 VO_{100}	15.5	X	186.59421	222.10031	182.32838	9.40705	0.1518622	0.18557754	3.0440546	20	5 8.1	20.5
286281 2001 VR_{103}	17.4	X	180.93189	107.97749	260.08872	3.81489	0.1940454	0.28789198	2.2715188	20	3 11.4	21.2
286282 2001 VA_{107}	17.7	X	192.59956	113.09711	254.08530	2.35279	0.1896112	0.28990879	2.2609717	20	3 21.1	21.4
286283 2001 VM_{109}	17.6	X	159.76909	81.41913	303.53694	2.26551	0.1745975	0.28689542	2.2767760	20	3 13.4	20.9
286284 2001 VC_{111}	16.4	X	27.82373	50.04239	34.80914	5.84425	0.1474511	0.21932580	2.7231793	20	—	—
286285 2001 VO_{111}	15.1	X	216.85544	93.46740	250.12625	9.51142	0.1631628	0.18293991	3.0732443	20	3 17.4	20.3
286286 2001 VA_{116}	15.3	X	162.23588	122.98567	261.06689	10.48482	0.1808777	0.17917791	3.1161121	20	3 18.0	20.7
286287 2001 VO_{124}	18.1	X	93.81288	41.72353	42.02451	2.62484	0.1630366	0.28304309	2.2973880	20	3 15.9	20.6
286288 2001 VV_{125}	15.5	X	242.36118	72.69832	231.94517	9.18342	0.0578989	0.18050049	3.1008716	20	3 3.7	20.2
286289 2001 VH_{126}	17.5	X	125.70197	273.77595	77.26448	4.20924	0.0273305	0.27524119	2.3405995	20	—	—
286290 2001 VN_{126}	15.9	X	25.13785	249.25997	131.24073	12.31527	0.0684378	0.21189502	2.7864776	20	12 30.1	19.7
286291 2001 VP_{130}	15.7	X	14.15247	42.76138	148.31957	12.97731	0.1004467	0.18122068	3.0926507	20	4 10.1	19.6
286292 2001 VX_{133}	16.7	X	113.62263	246.88502	90.79885	4.58430	0.1141376	0.22304423	2.6928287	20	—	—
286293 2001 VY_{133}	17.2	X	320.63922	319.51022	136.78964	5.99612	0.1522789	0.26697287	2.3886799	20	—	—
286294 2001 VA_{134}	15.6	X	325.63816	210.69650	70.04850	13.16930	0.1017233	0.19277453	2.9678112	20	5 17.9	19.3
286295 2001 WJ_{8}	17.7	X	285.53289	190.36471	174.02216	2.77910	0.1692833	0.30212127	2.1996243	20	7 2.3	19.8
286296 2001 WB_{9}	17.6	X	155.80076	276.69452	113.22571	3.75403	0.1613945	0.28586590	2.2822391	20	3 17.8	20.9
286297 2001 WH_{10}	15.5	X	161.09965	50.18582	344.67949	10.41169	0.1379665	0.18066171	3.0990266	20	3 29.7	20.6
286298 2001 WO_{10}	16.5	X	346.36377	346.47235	70.68289	5.57812	0.0876612	0.21112946	2.7932094	20	12 24.5	19.9
286299 2001 WK_{11}	17.2	X	13.59890	263.04279	98.50732	4.26541	0.2015136	0.26246712	2.4159398	20	12 24.2	20.0
286300 2001 WH_{16}	16.0	X	196.25843	297.37679	42.72069	11.25716	0.2235726	0.18197865	3.0840572	20	3 5.5	21.5
286301 2001 WQ_{17}	15.9	X	214.82730	142.40547	233.05745	8.22618	0.1496192	0.18853461	3.0121412	20	4 26.2	20.8
286302 2001 WZ_{17}	16.0	X	77.39596	178.35983	229.55262	13.40700	0.0698276	0.22476925	2.6790333	20	—	—
286303 2001 WG_{18}	17.5	X	132.10001	236.89035	226.25620	4.39316	0.1631838	0.29168525	2.2517823	20	5 28.0	20.7
286304 2001 WA_{19}	17.6	X	351.75629	166.37275	239.53703	1.98050	0.1623181	0.26463004	2.4027576	20	—	—
286305 2001 WS_{20}	17.7	X	177.85567	258.61081	139.04133	2.86297	0.2151596	0.29044560	2.2581850	20	4 19.0	21.4
286306 2001 WC_{33}	16.7	X	21.21431	23.50162	76.38416	6.21422	0.1482010	0.22065536	2.7122292	20	—	—
286307 2001 WU_{42}	15.8	X	95.72091	24.25314	63.74576	5.84814	0.1229603	0.17787776	3.1312780	20	3 29.4	20.2
286308 2001 WB_{46}	18.4	X	216.82241	135.43894	282.05731	1.31299	0.1481268	0.29789646	2.2203724	20	6 21.8	21.4
286309 2001 WO_{52}	15.6	X	24.51787	73.05166	43.26185	10.58521	0.0280745	0.17323721	3.1869501	20	1 21.2	20.1
286310 2001 WF_{54}	13.4	X	275.35859	322.20458	19.44561	4.36794	0.0917407	0.08375396	5.1736752	20	5 26.5	20.3
286311 2001 WB_{55}	17.8	X	239.80026	243.69455	254.75743	2.11473	0.0464525	0.31362171	2.1455170	20	12 4.1	20.1
286312 2001 WR_{60}	17.8	X	12.20592	70.84534	45.53330	3.57465	0.1881331	0.27419559	2.3465460	20	—	—
286313 2001 WT_{63}	16.4	X	352.43387	6.03486	52.98614	6.05666	0.0216067	0.21113465	2.7931636	20	12 29.5	20.1
286314 2001 WV_{66}	17.1	X	59.97807	204.17480	177.33399	3.30539	0.1062460	0.21887180	2.7269437	20	—	—
286315 2001 WM_{67}	17.1	X	339.23283	35.88869	51.18275	7.37252	0.0440608	0.26829401	2.3808319	20	—	—
286316 2001 WS_{67}	17.9	X	288.52587	308.03038	148.93714	1.71404	0.1508039	0.26102959	2.4248017	20	11 25.9	20.2
286317 2001 WM_{68}	17.4	X	271.18300	315.76189	164.23379	1.38295	0.1409506	0.26130743	2.4230826	20	11 28.8	19.7
286318 2001 WA_{78}	15.8	X	248.53982	112.05341	227.32571	7.39372	0.1231883	0.18707601	3.0277777	20	4 17.5	20.4
286319 2001 WY_{78}	15.5	X	241.34407	101.58751	232.86607	8.84133	0.0728583	0.18414221	3.0598525	20	4 7.8	20.1
286320 2001 WK_{79}	16.5	X	5.89652	338.74366	74.43752	6.62079	0.0271130	0.21281708	2.7784232	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286321 2001 WJ_{81}	17.1	X	101.23558	193.71321	206.51603	2.92650	0.1847862	0.22556610	2.6727202	20	2 5.5	20.6
286322 2001 WD_{83}	15.7	X	87.44689	7.58058	77.47804	3.01877	0.0673379	0.17569004	3.1572183	20	3 6.7	20.0
286323 2001 WC_{90}	15.4	X	209.95777	343.25083	27.95483	13.64213	0.1787606	0.18654814	3.0334867	20	4 16.6	20.4
286324 2001 WU_{93}	17.0	X	127.05836	146.55026	178.32053	3.73662	0.2207125	0.22279353	2.6948483	20	—	—
286325 2001 WY_{94}	17.0	X	172.17291	302.19264	73.59662	3.13280	0.1526563	0.23404954	2.6077394	20	3 18.9	21.1
286326 2001 WV_{99}	16.5	X	74.45044	339.47580	81.27702	13.70847	0.1418463	0.22300012	2.6931838	20	1 20.9	19.8
286327 2001 WJ_{101}	17.6	X	99.98042	99.69450	56.89476	3.07224	0.0562654	0.29406604	2.2396121	20	6 19.4	20.3
286328 2001 XX_{2}	16.0	X	325.92168	263.47537	269.88031	22.10032	0.2457593	0.27327538	2.3518108	20	—	—
286329 2001 XW_{8}	17.3	X	240.50055	61.13936	13.01645	4.06884	0.1199168	0.30213293	2.1995678	20	8 19.6	19.8
286330 2001 XD_{9}	16.2	X	287.88532	50.42168	346.13315	4.27860	0.1742180	0.19816521	2.9137421	20	8 13.9	19.8
286331 2001 XE_{10}	15.2	X	171.92905	134.24589	286.73788	15.91601	0.2105954	0.18242800	3.0789907	20	5 11.2	20.7
286332 2001 XC_{12}	16.5	X	90.94486	50.95887	45.18857	13.89748	0.2393700	0.22942387	2.6426743	20	4 16.5	20.1
286333 2001 XO_{12}	16.2	X	333.77783	106.19423	290.56596	13.98899	0.1553458	0.20554641	2.8435625	20	11 3.8	19.6
286334 2001 XB_{13}	16.1	X	169.89046	88.67537	330.46484	9.56949	0.2187727	0.18255396	3.0775743	20	5 6.9	21.6
286335 2001 XP_{15}	15.3	X	64.20438	69.01594	47.90269	25.63381	0.2055075	0.17170754	3.2058495	20	4 12.9	19.7
286336 2001 XW_{28}	16.6	X	122.99618	221.35882	239.66175	6.21488	0.1439676	0.28668049	2.2779138	20	5 12.4	19.5
286337 2001 XN_{32}	16.4	X	40.44468	145.13384	242.41966	4.89497	0.0314270	0.21424514	2.7660629	20	—	—
286338 2001 XP_{34}	15.6	X	302.59879	147.73963	289.23258	14.26484	0.1110291	0.20547976	2.8441774	20	11 4.7	19.4
286339 2001 XU_{40}	15.2	X	205.42382	41.01202	0.36888	8.76403	0.1436374	0.18511481	3.0491253	20	5 17.5	20.2
286340 2001 XS_{43}	15.2	X	134.58879	77.78554	324.33986	10.44207	0.1074990	0.17479063	3.1680398	20	3 10.2	20.1
286341 2001 XJ_{56}	17.4	X	185.38310	344.90836	90.75027	6.73487	0.2181261	0.24055438	2.5605143	20	6 12.0	21.6
286342 2001 XZ_{70}	15.5	X	146.95053	334.00082	70.37928	10.54705	0.1319974	0.18042666	3.1017175	20	4 4.2	20.5
286343 2001 XH_{82}	17.2	X	194.22981	328.55722	52.47611	6.01509	0.1854141	0.23637229	2.5906277	20	4 14.3	21.4
286344 2001 XV_{90}	16.7	X	203.48798	126.12764	268.17374	4.33736	0.2959186	0.18783386	3.0196281	20	5 4.3	22.2
286345 2001 XJ_{94}	16.7	X	148.88690	132.10970	267.51979	9.19306	0.2686569	0.23306957	2.6150440	20	3 28.1	21.4
286346 2001 XK_{94}	15.3	X	36.40755	118.66484	64.84423	21.66021	0.0302028	0.18240889	3.0792058	20	5 1.7	19.6
286347 2001 XW_{112}	17.0	X	270.52324	209.15260	254.65736	18.89954	0.0835361	0.36285807	1.9467560	20	12 14.2	18.3
286348 2001 XL_{123}	15.9	X	121.07229	240.97053	77.87044	13.63500	0.1014998	0.21739027	2.7393192	20	—	—
286349 2001 XV_{123}	15.4	X	113.62979	189.01538	240.16693	8.04920	0.0684979	0.17736326	3.1373306	20	3 14.1	20.0
286350 2001 XP_{125}	15.7	X	255.21324	105.61671	235.71207	8.44303	0.1062324	0.18849300	3.0125844	20	4 29.3	20.2
286351 2001 XW_{125}	15.6	X	169.83839	192.05627	223.54716	8.83347	0.0857727	0.18381241	3.0635114	20	5 2.8	20.1
286352 2001 XG_{129}	16.3	X	115.13479	283.84811	73.58384	15.07710	0.1398134	0.22184080	2.7025585	20	—	—
286353 2001 XH_{129}	17.3	X	159.29327	282.55061	84.14718	3.57160	0.1747945	0.28338556	2.2955367	20	2 21.6	20.6
286354 2001 XK_{130}	17.1	X	167.71159	173.43635	240.80734	6.49618	0.0499134	0.28934655	2.2638997	20	4 21.7	19.9
286355 2001 XR_{130}	16.9	X	120.52508	161.03704	230.24479	3.43972	0.1437123	0.22680265	2.6629968	20	2 11.2	20.6
286356 2001 XY_{131}	17.2	X	173.10422	272.04655	246.99351	5.59802	0.0575951	0.30416618	2.1897545	20	9 25.9	20.1
286357 2001 XU_{134}	16.6	X	139.62793	275.96698	74.81621	8.61900	0.2743855	0.22594489	2.6697322	20	1 30.2	21.0
286358 2001 XT_{135}	16.7	X	164.12327	214.40586	225.21074	4.96247	0.1993859	0.18448053	3.0561103	20	5 30.1	21.9
286359 2001 XK_{140}	15.5	X	177.21379	285.29571	87.16692	12.39890	0.1527678	0.17893456	3.1189367	20	3 27.8	20.8
286360 2001 XH_{141}	16.0	X	288.32034	232.63812	128.09495	2.68720	0.1960627	0.19528917	2.9422796	20	6 22.4	19.7
286361 2001 XJ_{144}	17.3	X	96.39308	348.01531	150.83104	2.54078	0.0928778	0.28860334	2.2677847	20	5 25.7	20.0
286362 2001 XZ_{144}	17.1	X	124.89262	316.56164	99.29072	7.47559	0.0964755	0.28247510	2.3004666	20	3 11.8	20.1
286363 2001 XB_{150}	18.1	X	107.44288	25.63746	74.72426	2.79756	0.1918910	0.28464863	2.2887410	20	4 30.3	21.2
286364 2001 XY_{153}	17.0	X	335.63506	165.77592	264.08983	5.88764	0.1207525	0.26172295	2.4205173	20	—	—
286365 2001 XU_{158}	17.3	X	64.28178	336.77703	108.02934	3.05120	0.1731901	0.27621920	2.3350713	20	1 27.9	19.2
286366 2001 XV_{163}	15.8	X	247.86589	82.78309	303.14334	10.56429	0.1113552	0.19042824	2.9921393	20	6 16.8	20.3
286367 2001 XJ_{164}	17.4	X	325.22417	249.41734	157.88793	1.61757	0.1864421	0.25804320	2.4434743	20	11 26.9	19.4
286368 2001 XQ_{165}	15.6	X	151.41654	171.78988	261.37639	13.32540	0.0471726	0.18068501	3.0987602	20	4 29.9	20.4
286369 2001 XU_{177}	16.0	X	127.70243	317.67528	107.51391	15.95885	0.2315014	0.17589598	3.1547535	20	4 21.7	21.4
286370 2001 XS_{195}	16.4	X	70.43213	356.52404	123.78572	7.94459	0.1336949	0.27884290	2.3204007	20	3 30.4	18.9
286371 2001 XK_{200}	16.8	X	297.33529	243.35598	244.47787	5.43960	0.1168888	0.26591364	2.3950190	20	—	—
286372 2001 XA_{216}	17.3	X	264.90055	237.23702	274.63223	1.40852	0.1449750	0.26099376	2.4250236	20	—	—
286373 2001 XR_{220}	16.1	X	79.09310	36.92726	47.61107	6.15707	0.1585307	0.17361237	3.1823573	20	3 9.9	20.4
286374 2001 XL_{224}	18.0	X	122.53866	73.04643	30.10943	1.27393	0.1513438	0.28845430	2.2685657	20	5 15.7	21.0
286375 2001 XW_{226}	15.8	X	180.80331	333.37878	53.01528	9.89371	0.1219330	0.18159962	3.0883470	20	4 12.3	20.7
286376 2001 XS_{232}	17.3	X	28.94658	47.33458	56.17144	5.39765	0.1810862	0.27385996	2.3484628	20	—	—
286377 2001 XE_{235}	15.7	X	115.31475	167.00976	266.80944	9.61572	0.1518992	0.17668574	3.1453456	20	3 31.1	20.7
286378 2001 XN_{243}	16.2	X	92.96213	150.24776	314.97506	12.57372	0.1200280	0.22733655	2.6588257	20	4 2.9	20.0
286379 2001 XD_{246}	17.4	X	184.04366	290.59622	54.09595	5.81306	0.2316994	0.28486572	2.2875781	20	2 20.5	21.3
286380 2001 XS_{250}	16.0	X	200.20147	156.93611	255.48619	4.34363	0.2513550	0.18618571	3.0374221	20	5 25.2	21.3
286381 2001 XB_{259}	15.6	X	286.28334	4.73018	90.41665	16.24097	0.0981880	0.20619376	2.8376078	20	11 14.4	19.3
286382 2001 XS_{260}	16.7	X	195.36394	158.76289	238.61659	4.86117	0.2337720	0.18660118	3.0329119	20	5 3.9	21.9
286383 2001 XH_{261}	16.2	X	329.50946	150.98944	215.12998	8.72551	0.1303509	0.20170241	2.8795767	20	9 15.0	19.6
286384 2001 XZ_{263}	15.7	X	229.82080	74.97653	269.42794	9.64642	0.1086228	0.18388772	3.0626749	20	4 2.2	20.6
286385 2001 YM_{9}	15.9	X	222.12357	347.60631	31.95923	5.16245	0.2574335	0.18616473	3.0376504	20	5 2.3	21.0
286386 2001 YY_{9}	17.4	X	140.47938	113.38294	1.71913	4.50708	0.1168141	0.29013500	2.2597963	20	6 18.7	20.7
286387 2001 YZ_{9}	15.7	X	194.82080	331.57389	72.17011	12.10632	0.0834390	0.18210870	3.0825887	20	5 16.0	20.4
286388 2001 YT_{12}	16.4	X	348.10614	321.51662	66.10494	3.08801	0.0820920	0.20622076	2.8373601	20	11 17.3	19.7
286389 2001 YE_{16}	16.6	X	16.52127	92.17167	275.41210	3.42227	0.2051147	0.26101150	2.4249137	20	—	—
286390 2001 YO_{21}	16.9	X	296.34310	297.67967	181.49830	6.72297	0.1305755	0.26209453	2.4182289	20	—	—
286391 2001 YW_{21}	16.2	X	187.81470	95.68422	310.00069	3.88309	0.1304672	0.18550514	3.0448466	20	5 7.7	21.1
286392 2001 YZ_{21}	16.1	X	107.30050	75.49310	267.16181	5.13704	0.0333503	0.21747734	2.7385880	20	—	—
286393 2001 YD_{23}	17.6	X	7.19465	14.11902	51.32462	3.32301	0.1475163	0.26741361	2.3860546	20	—	—
286394 2001 YF_{23}	17.3	X	210.88634	150.68727	271.14568	2.77031	0.0937531	0.29683253	2.2256748	20	6 25.6	20.2
286395 2001 YA_{43}	16.7	X	264.03029	277.01420	74.53354	7.14697	0.2293780	0.24317369	2.5420943	20	5 7.9	20.5
286396 2001 YY_{49}	17.0	X	167.52845	96.71185	279.84064	3.75021	0.1191738	0.28354927	2.2946530	20	3 5.9	20.3
286397 2001 YE_{51}	17.9	X	51.82082	7.81056	60.12439	3.38012	0.2023057	0.27306967	2.3529917	20	—	—
286398 2001 YN_{53}	17.3	X	99.50182	46.10421	30.58220	2.36522	0.1302522	0.28064445	2.3104597	20	3 8.9	20.0
286399 2001 YZ_{53}	15.9	X	128.11561	352.68725	75.53327	2.42306	0.1764652	0.17700395	3.1415749	20	4 14.2	20.7
286400 2001 YQ_{54}	15.4	X	123.26815	126.37493	285.14005	7.91567	0.0886440	0.17526838	3.1622801	20	3 6.2	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286401 2001 YB_{66}	15.4	X	119.96966	254.93602	280.93254	8.11630	0.0612646	0.18843204	3.0132341	20	8 3.6	19.8
286402 2001 YW_{71}	16.8	X	109.91605	143.69349	307.15825	6.21722	0.0598821	0.28241488	2.3007936	20	3 27.3	19.7
286403 2001 YM_{77}	17.4	X	70.36219	329.54475	78.02752	3.60924	0.2189105	0.27268816	2.3551859	20	—	—
286404 2001 YH_{83}	17.6	X	122.24878	341.46524	87.38298	4.56506	0.1798945	0.28194131	2.3033693	20	4 5.1	20.7
286405 2001 YP_{83}	17.5	X	98.70173	146.51612	293.67853	2.15982	0.1888415	0.27967335	2.3158050	20	3 20.0	20.3
286406 2001 YF_{95}	16.6	X	144.64657	69.48446	302.90681	10.73480	0.1904566	0.27927812	2.3179894	20	2 12.4	19.9
286407 2001 YS_{95}	16.8	X	167.91890	78.43636	292.07545	5.46468	0.1145749	0.28054814	2.3109885	20	2 27.1	20.2
286408 2001 YF_{101}	16.3	X	120.52323	312.49397	105.41413	7.46100	0.1177072	0.22785935	2.6547572	20	3 17.2	20.1
286409 2001 YN_{103}	16.3	X	198.87936	227.91364	253.36281	1.86064	0.0930168	0.24623686	2.5209680	20	8 28.1	20.0
286410 2001 YD_{104}	17.2	X	124.89393	163.03526	252.98161	4.65854	0.1706993	0.28130802	2.3068250	20	3 15.8	20.4
286411 2001 YM_{105}	17.3	X	187.75896	273.41842	134.13395	4.40968	0.2332211	0.28998877	2.2605560	20	5 10.4	21.2
286412 2001 YN_{110}	15.6	X	193.46289	156.91176	239.95389	8.37050	0.1050889	0.18657790	3.0331642	20	5 3.3	20.3
286413 2001 YE_{120}	16.5	X	43.95507	197.18868	303.34784	7.13908	0.0949411	0.27790251	2.3256324	20	3 1.6	19.0
286414 2001 YV_{126}	16.9	X	133.63700	47.70235	328.38792	6.85604	0.1371716	0.27804091	2.3248606	20	2 1.8	19.8
286415 2001 YG_{133}	16.0	X	347.58942	344.82137	64.62724	10.18524	0.1241027	0.20609302	2.8385324	20	12 17.7	19.3
286416 2001 YP_{138}	16.1	X	163.11123	334.34945	114.45498	3.88386	0.1529679	0.18147863	3.0897195	20	6 8.2	21.2
286417 2001 YY_{142}	16.3	X	60.71804	190.24414	296.92601	0.42564	0.1788706	0.17427493	3.1742864	20	4 5.9	20.2
286418 2001 YH_{149}	15.9	X	176.02454	53.05678	33.26633	8.03413	0.1285662	0.18534595	3.0465898	20	6 15.9	20.8
286419 2001 YQ_{149}	15.9	X	158.10698	106.74645	304.26259	12.59110	0.1866165	0.17964711	3.1106840	20	4 14.3	21.3
286420 2001 YH_{150}	15.9	X	178.30147	255.34082	138.64513	10.26679	0.2233646	0.18301797	3.0723703	20	4 21.4	21.3
286421 2001 YJ_{150}	16.4	X	169.75306	321.39462	109.88918	16.18759	0.0870354	0.23839392	2.5759609	20	5 26.1	20.4
286422 2001 YU_{152}	15.7	X	127.50315	46.69791	64.58474	11.04231	0.1803677	0.17987288	3.1080805	20	6 3.6	20.6
286423 2001 YT_{154}	14.5	X	93.49238	166.04201	284.77802	32.43366	0.0848909	0.17033287	3.2230749	20	3 1.9	19.8
286424 2001 YQ_{156}	15.8	X	119.91951	27.60997	73.53070	22.92031	0.1435170	0.17726226	3.1385221	20	5 16.1	20.7
286425 2001 YZ_{156}	17.7	X	185.29988	14.87589	51.59372	3.84727	0.1120180	0.29100734	2.2552780	20	6 1.1	20.7
286426 2001 YE_{160}	15.5	X	197.25352	18.57072	27.73606	14.07446	0.2841557	0.18406261	3.0607346	20	5 12.6	21.1
286427 2001 YC_{162}	16.8	X	130.33004	121.07727	338.89092	12.39948	0.0541464	0.28566981	2.2832834	20	5 3.6	20.0
286428 2001 YD_{162}	15.5	X	188.85925	133.29545	322.02491	9.29962	0.0270609	0.18577615	3.0418847	20	7 15.1	19.9
286429 2002 AK_{6}	16.8	X	305.69376	297.58250	61.44248	8.31251	0.1563208	0.29798524	2.2199314	20	8 8.3	18.8
286430 2002 AS_{7}	15.6	X	225.79936	308.53767	89.27284	14.37268	0.1394303	0.18686493	3.0300574	20	6 5.7	20.3
286431 2002 AQ_{12}	17.1	X	61.01096	170.27499	296.12900	1.75250	0.1926873	0.27511390	2.3413214	20	2 25.6	19.0
286432 2002 AG_{13}	15.7	X	175.31149	111.47915	304.22951	9.95695	0.2694000	0.17959900	3.1112395	20	5 8.3	21.4
286433 2002 AL_{17}	17.2	X	145.32850	29.09314	289.43464	18.19785	0.0695109	0.37449475	1.9062165	20	—	—
286434 2002 AM_{19}	17.8	X	123.66540	21.87792	103.21743	1.61830	0.1535274	0.28807696	2.2705463	20	6 16.8	21.0
286435 2002 AF_{23}	16.0	X	11.30209	221.99867	238.97641	7.01940	0.1882073	0.21512376	2.7585263	20	—	—
286436 2002 AO_{29}	15.0	X	81.27782	190.69306	268.11211	17.59152	0.1469145	0.17509009	3.1644264	20	3 16.1	19.7
286437 2002 AN_{30}	17.1	X	31.21299	259.70162	272.23143	1.28589	0.1433022	0.27975901	2.3153323	20	3 30.9	19.1
286438 2002 AS_{39}	16.9	X	13.15454	282.98160	233.19228	1.95914	0.0936474	0.27462922	2.3440753	20	2 1.6	19.1
286439 2002 AG_{40}	15.2	X	109.99194	353.92938	135.84811	10.58377	0.0729772	0.17789018	3.1311322	20	5 30.4	19.9
286440 2002 AA_{42}	15.8	X	193.86792	263.99373	124.67789	10.36283	0.2708804	0.18235128	3.0798543	20	4 26.9	21.4
286441 2002 AG_{43}	15.5	X	140.33033	309.52233	111.09207	10.48719	0.0945860	0.17572330	3.1568200	20	4 14.1	20.4
286442 2002 AY_{47}	16.9	X	38.71875	151.06603	294.10788	9.25442	0.1843514	0.27086612	2.3657359	20	—	—
286443 2002 AS_{49}	17.5	X	36.17731	170.75876	281.28528	0.44780	0.1479552	0.27067368	2.3668571	20	—	—
286444 2002 AD_{52}	16.1	X	198.65522	47.92512	144.80991	6.28742	0.1698295	0.19952397	2.9004986	20	11 15.3	20.8
286445 2002 AK_{62}	15.3	X	130.53134	135.91098	310.99741	10.37576	0.3060911	0.17615082	3.1517102	20	5 14.9	20.9
286446 2002 AC_{67}	15.7	X	199.28118	334.57361	98.64608	10.94037	0.0253270	0.18502315	3.0501323	20	6 28.1	20.1
286447 2002 AE_{71}	15.5	X	179.17779	124.53981	281.50207	15.46756	0.0777065	0.18117169	3.0932082	20	4 25.9	20.5
286448 2002 AA_{72}	17.4	X	185.12319	221.13859	302.33561	4.16047	0.0702713	0.30485250	2.1864667	20	10 16.9	20.3
286449 2002 AV_{72}	16.4	X	185.15468	107.10352	304.22301	5.33453	0.2073761	0.18307162	3.0717700	20	5 11.6	21.6
286450 2002 AJ_{73}	16.6	X	192.75556	88.90345	22.36613	2.56805	0.2217283	0.18952467	3.0016419	20	7 30.9	21.6
286451 2002 AW_{75}	16.5	X	1.09712	130.56304	293.10372	7.40279	0.1528105	0.20969760	2.8059101	20	—	—
286452 2002 AR_{78}	16.9	X	264.80368	177.81858	303.95688	7.63208	0.1132907	0.25614612	2.4555241	20	11 21.0	19.8
286453 2002 AO_{82}	15.4	X	193.25477	292.77908	110.61156	20.72431	0.2709808	0.18467229	3.0539944	20	5 16.6	21.2
286454 2002 AP_{88}	16.7	X	122.61980	202.62153	249.33233	5.92816	0.0695959	0.28384607	2.2930532	20	4 18.2	19.7
286455 2002 AA_{94}	15.4	X	58.09266	177.04262	351.02910	4.41628	0.1136319	0.17607474	3.1526180	20	5 14.3	19.5
286456 2002 AJ_{97}	17.1	X	57.02269	147.49201	328.24969	2.38460	0.1502992	0.27669488	2.3323943	20	2 26.3	19.1
286457 2002 AZ_{98}	15.4	X	156.40521	87.22044	316.65804	11.09106	0.1259021	0.17528331	3.1621005	20	4 2.0	20.5
286458 2002 AA_{102}	16.2	X	4.50078	25.69738	74.96666	5.32220	0.0344005	0.21329303	2.7742884	20	—	—
286459 2002 AA_{111}	15.6	X	104.23617	55.33887	111.94117	9.71071	0.1071293	0.18112933	3.0936905	20	7 12.1	20.0
286460 2002 AJ_{111}	17.3	X	99.48632	342.49784	119.43699	4.91658	0.1732652	0.28086408	2.3092551	20	4 21.7	20.2
286461 2002 AN_{112}	16.1	X	249.80647	81.23765	89.88683	2.98204	0.1632546	0.20343971	2.8631596	20	12 14.4	19.9
286462 2002 AE_{128}	16.6	X	61.44786	311.86508	129.67189	8.63983	0.1647332	0.21856112	2.7295273	20	1 29.8	19.6
286463 2002 AP_{131}	17.1	X	108.68945	26.64047	306.98249	18.07212	0.0883817	0.37095626	1.9183194	20	—	—
286464 2002 AE_{136}	17.0	X	106.22901	296.86467	148.72364	3.41456	0.1617276	0.22800442	2.6536311	20	4 8.4	20.7
286465 2002 AO_{136}	16.4	X	134.45295	239.13110	117.81161	10.34616	0.1323233	0.27350308	2.3505053	20	1 7.7	19.4
286466 2002 AP_{137}	17.1	X	45.35282	122.09232	7.79433	3.63162	0.1063561	0.27556282	2.3387778	20	2 22.9	19.2
286467 2002 AR_{138}	16.3	X	226.17550	266.52969	161.32732	3.30585	0.0948379	0.18848611	3.0126579	20	7 16.5	20.8
286468 2002 AM_{144}	15.7	X	161.84546	285.19711	117.28254	18.27468	0.1399173	0.17636213	3.1491921	20	4 19.8	21.1
286469 2002 AN_{144}	15.9	X	169.19428	339.36026	118.65615	11.05721	0.0305807	0.18322293	3.0700786	20	6 23.6	20.4
286470 2002 AV_{145}	17.0	X	174.44933	47.65045	182.75246	1.78248	0.1518412	0.25554701	2.4593604	20	12 16.9	20.9
286471 2002 AZ_{147}	15.5	X	122.51549	113.55457	54.71416	11.80425	0.1237125	0.18612932	3.0380355	20	8 8.4	20.4
286472 2002 AQ_{149}	15.4	X	251.72608	72.80455	296.43032	15.39091	0.1473495	0.18500470	3.0503350	20	5 24.6	20.2
286473 2002 AJ_{150}	15.8	X	214.08413	290.50399	107.16445	10.59390	0.1365796	0.18304604	3.0720562	20	5 26.3	20.7
286474 2002 AN_{150}	16.6	X	5.62449	118.54796	325.81691	4.18160	0.1346629	0.21176773	2.7875941	20	—	—
286475 2002 AC_{152}	15.6	X	167.33918	297.41294	132.39735	17.26228	0.1986054	0.17863591	3.1224119	20	5 25.5	21.1
286476 2002 AO_{159}	15.5	X	210.20264	109.67107	301.94344	11.45553	0.0325077	0.18064264	3.0992447	20	6 13.3	20.1
286477 2002 AV_{167}	15.1	X	115.92364	11.29380	154.74592	28.74784	0.1086527	0.17977483	3.1092105	20	7 23.5	20.1
286478 2002 AD_{168}	16.9	X	24.08889	68.79358	129.03759	6.96479	0.0486938	0.28148951	2.3058333	20	4 25.9	19.5
286479 2002 AJ_{169}	17.3	X	83.62743	7.56454	56.66795	4.04741	0.1076458	0.27544652	2.3394361	20	1 24.5	19.7
286480 2002 AF_{171}	16.2	X	49.74191	100.14857	314.91347	5.22100	0.0589658	0.21326961	2.7744915	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286481 2002 AD_{175}	16.7	X	47.67919	150.20196	325.33253	3.03263	0.1957950	0.27458347	2.3443356	20	2 11.6	18.0
286482 2002 AZ_{175}	17.2	X	28.75243	141.86746	341.08622	0.90372	0.1321432	0.27223941	2.3577733	20	1 11.7	19.4
286483 2002 AL_{181}	15.8	X	208.82752	74.85233	338.16519	15.78386	0.1358507	0.18522845	3.0478781	20	6 4.9	20.9
286484 2002 AE_{185}	15.6	X	167.68544	302.85732	128.76335	10.67092	0.1321991	0.18118749	3.0930284	20	5 24.4	20.7
286485 2002 AY_{188}	15.9	X	137.37566	274.84193	268.25241	6.51221	0.0853481	0.18907336	3.0064165	20	9 1.5	20.6
286486 2002 AR_{192}	17.0	X	98.35395	135.84708	298.42865	5.12003	0.0702278	0.27776819	2.3263821	20	2 20.9	19.9
286487 2002 AR_{196}	17.8	X	56.21855	168.46394	246.57676	1.12294	0.1762904	0.27069930	2.3667077	20	—	—
286488 2002 AO_{200}	15.9	X	36.99860	18.10075	138.03510	13.79883	0.1208984	0.22499718	2.6772238	20	3 29.3	19.0
286489 2002 AC_{202}	17.0	X	96.44950	254.12492	154.05496	7.00243	0.1618887	0.27387846	2.3483571	20	1 28.9	19.6
286490 2002 AJ_{206}	16.1	X	181.65579	208.63318	114.38402	14.69288	0.2342774	0.23143750	2.6273236	20	1 26.5	20.6
286491 2002 AK_{206}	15.6	X	50.70437	234.40878	201.63387	20.64779	0.0936463	0.17076498	3.2176354	20	1 5.5	20.2
286492 2002 AM_{209}	16.6	X	64.95252	335.27352	91.75932	11.37573	0.0753980	0.22695582	2.6617985	20	1 4.6	19.7
286493 2002 AN_{209}	15.5	X	176.85445	148.16806	335.16974	10.64722	0.0801081	0.18807916	3.0170020	20	8 5.2	20.1
286494 2002 AP_{209}	16.4	X	339.23219	288.05045	139.30743	6.55375	0.0390868	0.20148588	2.8816394	20	12 21.3	20.2
286495 2002 BW_{17}	16.7	X	170.12614	309.50719	130.98282	6.22982	0.1218995	0.23460515	2.6036205	20	6 4.8	20.8
286496 2002 BL_{20}	17.6	X	80.24330	47.35433	316.27768	17.97450	0.0865833	0.37040582	1.9202194	20	—	—
286497 2002 BQ_{24}	16.8	X	136.51007	18.62782	69.99238	11.22823	0.1275773	0.28355907	2.2946002	20	5 11.5	20.0
286498 2002 BY_{24}	17.9	X	96.25930	319.07377	169.66394	3.22366	0.1788585	0.28302286	2.2974974	20	5 24.4	20.8
286499 2002 BF_{27}	15.8	X	154.74533	87.90769	322.83401	8.96176	0.1290266	0.17620700	3.1510402	20	4 10.0	21.0
286500 2002 BQ_{28}	16.8	X	18.62356	159.07992	15.09763	8.48952	0.1779183	0.27715949	2.3297870	20	3 10.8	18.5
286501 2002 BB_{31}	17.5	X	135.89657	117.49433	295.06984	3.66296	0.2418642	0.28044361	2.3115627	20	3 31.1	21.2
286502 2002 BJ_{31}	15.1	X	27.12220	307.74942	284.36737	6.64122	0.0787263	0.17841400	3.1250006	20	6 18.7	19.2
286503 2002 BH_{32}	16.0	X	170.66733	295.33325	341.82593	11.95740	0.1098110	0.20289468	2.8682848	20	—	—
286504 2002 CM_{9}	16.7	X	83.10360	64.29793	332.91252	5.77901	0.1670859	0.26889294	2.3772952	20	—	—
286505 2002 CQ_{9}	17.1	X	166.20182	127.79789	48.46795	24.01049	0.1708499	0.29907490	2.2145360	20	10 16.9	20.8
286506 2002 CL_{14}	17.0	X	133.23816	327.76546	336.99383	18.97598	0.0914389	0.36552699	1.9372682	20	—	—
286507 2002 CW_{14}	17.8	X	140.93218	247.27747	276.72729	1.96602	0.0673858	0.29385337	2.2406925	20	8 24.0	20.7
286508 2002 CZ_{18}	15.8	X	56.47625	195.24263	337.62678	6.31876	0.1945760	0.17368495	3.1814707	20	5 30.5	20.0
286509 2002 CG_{23}	16.5	X	139.59612	120.22872	285.68306	10.01264	0.2569221	0.27987433	2.3146962	20	3 23.7	20.4
286510 2002 CX_{24}	15.5	X	175.01682	339.42635	140.60276	10.36825	0.1003595	0.18405428	3.0608269	20	7 26.9	20.3
286511 2002 CT_{25}	17.1	X	75.33072	328.17510	326.25322	17.52881	0.0400166	0.35614115	1.9711573	20	12 14.7	19.7
286512 2002 CG_{29}	15.9	X	0.77860	32.40229	72.73488	5.35874	0.0315084	0.21155726	2.7894426	20	—	—
286513 2002 CX_{29}	16.3	X	11.69531	343.81123	93.92525	10.64480	0.2118561	0.21149937	2.7899516	20	—	—
286514 2002 CG_{30}	17.4	X	218.51535	354.29459	76.85173	4.15830	0.1346181	0.29406708	2.2396068	20	7 14.5	20.4
286515 2002 CY_{31}	17.0	X	76.36986	64.84088	81.77547	5.34912	0.0452708	0.28191896	2.3034910	20	4 30.9	19.7
286516 2002 CC_{36}	17.1	X	168.24511	110.21481	321.47540	6.97458	0.1149600	0.28667969	2.2779181	20	5 18.7	20.6
286517 2002 CX_{37}	15.5	X	164.49655	142.07763	35.66124	13.28879	0.0800193	0.19032517	2.9932194	20	10 1.2	20.1
286518 2002 CA_{41}	15.2	X	6.55158	15.17691	244.36822	10.20901	0.0277813	0.17976466	3.1093277	20	6 21.4	19.4
286519 2002 CB_{46}	15.9	X	105.31142	20.24314	206.22647	13.80708	0.1535027	0.24090254	2.5580466	20	10 5.2	19.9
286520 2002 CL_{57}	15.2	X	152.51385	319.53712	165.08800	17.16065	0.1782390	0.18024680	3.1037806	20	7 11.7	20.6
286521 2002 CL_{67}	15.6	X	206.92674	89.60520	311.71154	13.43281	0.2478361	0.18482548	3.0523066	20	5 13.7	21.1
286522 2002 CZ_{67}	17.0	X	112.89359	271.11137	125.17428	7.01643	0.1089518	0.27381047	2.3487458	20	1 28.7	19.8
286523 2002 CA_{71}	17.1	X	232.90661	220.39504	142.20719	5.12591	0.1123475	0.28512565	2.2861876	20	4 30.4	20.4
286524 2002 CJ_{71}	16.8	X	50.93405	101.40400	334.12907	6.40058	0.0847469	0.26875537	2.3781064	20	—	—
286525 2002 CE_{72}	17.5	X	77.70998	93.58841	345.35769	0.98502	0.1569759	0.27415294	2.3467894	20	2 11.4	19.5
286526 2002 CO_{75}	15.0	X	200.06739	34.94645	330.69876	13.78878	0.0895063	0.17254041	3.1955246	20	3 29.0	20.2
286527 2002 CU_{75}	15.7	X	155.86999	125.74750	342.53928	7.52304	0.0454794	0.17999254	3.1067029	20	6 20.9	20.3
286528 2002 CG_{76}	15.4	X	146.54294	328.15766	137.38970	11.41215	0.1034412	0.17853582	3.1235789	20	6 11.7	20.3
286529 2002 CQ_{82}	15.3	X	179.37069	298.01697	147.17926	11.80244	0.0471564	0.17890154	3.1193205	20	6 19.6	20.1
286530 2002 CZ_{85}	17.6	X	94.30669	95.64394	329.46436	2.41820	0.1610531	0.27500115	2.3419613	20	2 18.9	20.2
286531 2002 CB_{87}	17.6	X	85.34475	82.02657	349.11711	1.71206	0.1911989	0.27466051	2.3438973	20	2 18.8	20.0
286532 2002 CM_{87}	17.1	X	116.30507	62.89945	341.12983	6.43268	0.1338471	0.27474957	2.3433907	20	2 17.2	20.0
286533 2002 CA_{88}	16.6	X	237.42349	277.04832	336.03168	7.41978	0.1518508	0.26508210	2.4000251	20	—	—
286534 2002 CZ_{88}	16.9	X	1.38776	266.10764	338.82130	5.12611	0.0766169	0.28320399	2.2965177	20	5 24.3	19.2
286535 2002 CU_{98}	16.4	X	95.28139	191.38277	14.59214	4.08972	0.1719451	0.23520333	2.5992042	20	9 2.5	20.2
286536 2002 CQ_{109}	17.0	X	179.66478	307.10516	129.06928	6.51532	0.2181022	0.28797826	2.2710651	20	6 8.9	20.9
286537 2002 CU_{109}	15.7	X	82.02819	201.02625	14.06351	4.96865	0.1143018	0.18127525	3.0920301	20	8 18.5	20.2
286538 2002 CQ_{120}	17.1	X	58.82636	209.94626	308.25778	4.82172	0.0830662	0.28144905	2.3060543	20	4 21.6	19.6
286539 2002 CT_{122}	17.5	X	117.02146	228.04935	285.63082	4.92874	0.0664669	0.28840051	2.2688478	20	7 9.9	20.5
286540 2002 CJ_{123}	15.5	X	219.59954	289.71222	155.13964	9.13619	0.1093955	0.18699667	3.0286341	20	7 28.7	20.2
286541 2002 CA_{143}	16.7	X	131.57153	78.98427	289.62852	5.30545	0.1641365	0.27373695	2.3491663	20	1 23.5	19.7
286542 2002 CY_{143}	17.0	X	281.44212	247.88908	317.27293	2.09998	0.1199419	0.26433552	2.4045420	20	—	—
286543 2002 CC_{144}	17.0	X	9.94570	264.49610	251.07992	2.62286	0.1085486	0.27149684	2.3620706	20	1 25.6	19.3
286544 2002 CM_{153}	16.5	X	352.64186	232.73853	25.72428	0.27299	0.1195025	0.17831567	3.1261492	20	5 30.0	20.3
286545 2002 CA_{155}	15.1	X	138.98970	95.73444	66.60753	22.90915	0.1272172	0.18192731	3.0846374	20	8 22.6	20.4
286546 2002 CP_{156}	17.2	X	296.15945	356.92430	127.45341	3.38701	0.1081242	0.25882281	2.4385651	20	—	—
286547 2002 CN_{157}	16.4	X	91.66110	101.81170	139.58956	4.60393	0.1229836	0.24202287	2.5501464	20	10 10.5	20.1
286548 2002 CP_{158}	13.1	X	219.87443	13.61676	125.14180	9.10895	0.0360806	0.08537363	5.1080314	20	10 2.3	20.1
286549 2002 CE_{159}	17.2	X	345.09304	86.10502	94.97635	2.20237	0.1260714	0.27027805	2.3691662	20	1 18.9	19.7
286550 2002 CW_{169}	16.8	X	91.46630	78.44914	124.77860	7.70249	0.1549044	0.28844063	2.2686374	20	8 29.6	19.9
286551 2002 CC_{173}	16.6	X	114.31194	60.72976	17.51589	7.44559	0.0820699	0.27684143	2.3315711	20	3 24.5	19.4
286552 2002 CL_{176}	17.3	X	187.17509	287.77269	124.69740	7.80082	0.1586412	0.28823358	2.2697237	20	5 17.6	20.9
286553 2002 CQ_{176}	15.7	X	191.09857	66.33162	320.07502	6.96482	0.1628569	0.17782852	3.1318560	20	4 15.8	21.0
286554 2002 CK_{178}	17.0	X	84.35628	237.36236	325.46304	7.83757	0.0530886	0.29152161	2.2526249	20	8 5.2	19.6
286555 2002 CN_{181}	17.0	X	93.17710	130.81299	327.16123	3.25543	0.1310923	0.22528194	2.6749672	20	4 1.3	20.4
286556 2002 CB_{183}	16.4	X	65.65651	113.66259	342.86365	5.61354	0.0196247	0.21952017	2.7215716	20	2 9.7	20.1
286557 2002 CR_{183}	17.7	X	103.48632	309.44231	129.87707	2.91989	0.1864720	0.27854588	2.3220499	20	3 27.6	20.5
286558 2002 CM_{184}	16.2	X	298.78614	121.01757	325.29473	9.33100	0.0805983	0.19972638	2.8985386	20	11 13.2	20.1
286559 2002 CN_{185}	16.7	X	251.66802	258.46815	118.96506	8.07522	0.1632730	0.29135943	2.2534608	20	6 5.4	19.8
286560 2002 CO_{185}	17.2	X	343.29541	72.62614	90.84904	3.31197	0.1098407	0.26971884	2.3724398	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286561 2002 CP_{186}	17.8	X	211.61195	195.32900	329.18793	1.35008	0.0994534	0.30403769	2.1903715	20	11 19.2	20.3
286562 2002 CW_{186}	15.9	X	182.51411	129.72400	320.79180	4.93672	0.1012982	0.18201381	3.0836600	20	6 28.7	20.8
286563 2002 CH_{190}	16.1	X	292.57596	65.95353	128.26797	9.14643	0.0038154	0.21420252	2.7664299	20	—	—
286564 2002 CK_{196}	17.3	X	250.01490	185.43695	6.24719	2.98120	0.1389067	0.25848899	2.4406641	20	—	—
286565 2002 CL_{198}	17.5	X	57.98383	338.37142	121.27736	1.90131	0.1435126	0.27298028	2.3535054	20	2 4.0	19.4
286566 2002 CA_{201}	16.3	X	58.55736	271.94172	142.61842	10.26585	0.0788413	0.21186137	2.7867726	20	—	—
286567 2002 CN_{205}	15.7	X	356.81214	73.05405	150.55342	8.57388	0.0450805	0.17184128	3.2041859	20	4 26.0	20.1
286568 2002 CP_{205}	15.6	X	254.94412	259.32845	148.56273	10.12627	0.0712312	0.18540828	3.0459070	20	7 27.7	20.0
286569 2002 CE_{206}	17.0	X	175.03745	286.30385	134.11900	5.13220	0.1435341	0.28490072	2.2873907	20	5 15.2	20.4
286570 2002 CR_{206}	16.8	X	3.04382	303.12651	354.50931	6.08789	0.0277961	0.23787656	2.5796945	20	8 13.5	20.0
286571 2002 CR_{207}	13.2	X	215.70151	144.19330	336.15113	31.89472	0.0438169	0.08223870	5.2370318	20	9 1.1	20.2
286572 2002 CX_{207}	16.1	X	103.63103	213.05907	346.36647	9.26925	0.1406662	0.23667425	2.5884237	20	8 30.5	19.8
286573 2002 CF_{208}	17.3	X	278.75145	78.80268	144.78818	5.61009	0.1812019	0.26542309	2.3979691	20	—	—
286574 2002 CS_{209}	16.2	X	72.26100	305.91796	147.38875	13.34773	0.0782528	0.21869362	2.7284247	20	2 20.6	19.7
286575 2002 CF_{211}	13.1	X	227.59980	154.98508	343.12604	20.42771	0.0275422	0.08495369	5.1248508	20	9 30.5	20.1
286576 2002 CS_{211}	17.2	X	281.46688	83.15849	144.76438	1.90399	0.1431793	0.26785427	2.3834370	20	—	—
286577 2002 CX_{211}	16.7	X	328.71345	354.51228	98.20491	3.24002	0.0280165	0.20384400	2.8593726	20	—	—
286578 2002 CH_{221}	16.1	X	75.88739	223.57737	354.29250	11.54844	0.1656747	0.23224799	2.6212075	20	8 27.7	19.8
286579 2002 CA_{224}	16.8	X	335.26445	241.87506	254.81816	5.87516	0.0564896	0.26464467	2.4026690	20	—	—
286580 2002 CG_{224}	15.7	X	82.16468	214.27090	7.04936	5.84931	0.1536867	0.18142923	3.0902803	20	8 31.5	20.2
286581 2002 CK_{224}	16.8	X	318.76383	163.63222	291.88717	1.73741	0.1651161	0.25707977	2.4495752	20	—	—
286582 2002 CC_{226}	15.5	X	8.57420	97.40733	149.58862	10.16624	0.0576690	0.17900122	3.1181624	20	6 10.5	19.7
286583 2002 CE_{228}	16.6	X	156.90878	357.13201	177.06168	9.54154	0.0933451	0.24265359	2.5457255	20	9 20.5	20.2
286584 2002 CN_{234}	18.0	X	119.90953	281.80840	131.18963	5.00434	0.2577253	0.27946294	2.3169673	20	3 21.7	21.4
286585 2002 CE_{253}	15.9	X	276.00487	188.09764	13.98044	8.47916	0.1182418	0.21000916	2.8031342	20	—	—
286586 2002 CP_{253}	16.1	X	10.56031	198.45360	259.78735	8.81852	0.1758279	0.21325545	2.7746143	20	—	—
286587 2002 CF_{260}	16.2	X	39.15887	312.82634	240.14996	0.35849	0.0592080	0.17415629	3.1757278	20	5 14.0	20.3
286588 2002 CD_{263}	16.2	X	72.94515	167.15925	54.96042	12.07767	0.1714909	0.23389133	2.6089152	20	9 3.9	20.1
286589 2002 CF_{263}	15.0	X	107.07764	168.61801	53.53256	14.27170	0.2735424	0.18445554	3.0563864	20	10 10.4	20.4
286590 2002 CS_{263}	16.3	X	130.64378	16.02954	163.72646	3.67491	0.1801288	0.18559497	3.0438641	20	8 29.5	21.1
286591 2002 CD_{265}	17.3	X	247.70641	83.58318	327.66753	2.94717	0.1484955	0.24140566	2.5544913	20	7 17.1	20.9
286592 2002 CV_{270}	16.1	X	136.01217	292.80703	116.61238	5.73227	0.1881852	0.17343337	3.1845466	20	4 2.2	21.2
286593 2002 CL_{273}	17.4	X	59.25334	304.23203	141.97175	1.56903	0.1106517	0.27011682	2.3701089	20	1 14.7	19.6
286594 2002 CJ_{275}	16.4	X	325.63131	55.46990	131.10937	11.12599	0.1681903	0.26598611	2.3945840	20	—	—
286595 2002 CU_{280}	17.6	X	317.25247	322.18692	270.00217	0.66545	0.1459178	0.27525443	2.3405244	20	2 12.2	20.1
286596 2002 CZ_{291}	15.6	X	272.89405	232.47084	129.60615	17.17420	0.1943866	0.18628423	3.0363511	20	6 7.5	20.3
286597 2002 CU_{296}	17.1	X	62.95272	103.80412	345.36342	9.14450	0.1769075	0.27091000	2.3654804	20	2 5.1	19.2
286598 2002 CF_{303}	17.2	X	239.24436	103.54967	335.30985	6.96906	0.0878895	0.24158596	2.5532201	20	8 21.7	20.5
286599 2002 CM_{303}	15.2	X	60.34736	62.43127	157.90937	20.96012	0.0377604	0.18171924	3.0869915	20	7 14.7	19.8
286600 2002 CD_{304}	17.2	X	258.49183	254.19550	350.95756	0.84716	0.1431237	0.26568047	2.3964202	20	—	—
286601 2002 CW_{310}	17.5	X	39.29866	135.45447	1.05044	1.26222	0.1365118	0.27387622	2.3483699	20	2 22.5	19.3
286602 2002 CZ_{310}	17.4	X	351.69186	71.50832	107.91174	8.17438	0.1855769	0.27058950	2.3673479	20	1 18.6	19.7
286603 2002 CJ_{313}	16.4	X	115.49853	290.15359	136.10111	15.38876	0.1783720	0.22524486	2.6752608	20	3 31.6	20.5
286604 2002 CC_{316}	16.7	X	92.94023	219.17045	177.53111	4.42072	0.0790048	0.21243969	2.7817127	20	1 8.1	20.4
286605 2002 CE_{316}	16.5	X	44.16337	265.62158	172.35464	5.32522	0.0489883	0.21091102	2.7951377	20	—	—
286606 2002 DV	15.3	X	272.10538	340.69793	321.71408	8.37826	0.1528099	0.17224001	3.1992390	20	3 23.9	20.1
286607 2002 DU_{1}	17.0	X	124.95597	155.29177	118.16933	25.07938	0.0908995	0.36031176	1.9559170	20	—	—
286608 2002 DU_{2}	17.1	X	38.76975	66.36847	343.04673	22.89425	0.1449733	0.36934140	1.9239069	20	—	—
286609 2002 DJ_{6}	15.8	X	302.47969	335.08725	317.10113	5.53019	0.0442237	0.17403875	3.1771575	20	5 3.9	20.2
286610 2002 DM_{6}	17.8	X	49.71887	309.10778	301.35369	2.22758	0.1442885	0.28936952	2.2637799	20	9 7.3	20.5
286611 2002 DV_{8}	15.2	X	107.21082	108.09779	356.86614	26.26936	0.2144112	0.17447237	3.1718911	20	4 28.6	20.5
286612 2002 DL_{10}	17.0	X	120.27073	179.46606	315.71326	5.12366	0.2021973	0.23139376	2.6276547	20	6 30.1	21.1
286613 2002 DG_{12}	15.5	X	99.79015	345.26604	200.05193	18.00014	0.2468782	0.18204996	3.0832518	20	8 9.3	20.8
286614 2002 DL_{13}	17.2	X	330.29274	231.59016	285.33222	3.54820	0.0635163	0.26771166	2.3842833	20	—	—
286615 2002 DC_{15}	16.5	X	214.25064	207.81617	196.10758	4.87555	0.3038783	0.23727873	2.5840258	20	5 24.0	21.1
286616 2002 DP_{17}	17.9	X	106.06355	160.68566	1.59765	3.39430	0.1316236	0.28616488	2.2806492	20	7 16.8	21.0
286617 2002 DL_{20}	14.0	X	180.38205	190.89965	345.15627	7.62806	0.0677592	0.08388149	5.1684298	20	9 26.8	21.2
286618 2002 EB_{1}	15.0	X	98.12710	56.06605	118.66205	28.10938	0.1382950	0.17759312	3.1346228	20	7 18.3	19.7
286619 2002 ES_{1}	15.3	X	114.29202	105.43509	42.96652	26.84380	0.1715940	0.17724106	3.1387724	20	7 5.7	20.6
286620 2002 ET_{1}	17.1	X	67.82102	166.65464	144.14123	24.18606	0.0320913	0.35560496	1.9731382	20	12 29.4	19.8
286621 2002 EX_{1}	16.8	X	180.34303	196.19919	3.27304	8.62872	0.0393626	0.30145025	2.2028873	20	12 2.8	19.7
286622 2002 EW_{3}	17.6	X	92.43878	270.10503	347.63821	3.54247	0.1443861	0.29537926	2.2329691	20	11 8.4	20.7
286623 2002 ET_{12}	17.1	X	97.85881	102.59234	186.05769	22.61431	0.0909263	0.35422694	1.9782522	20	—	—
286624 2002 ER_{13}	17.2	X	275.58648	233.71540	0.00346	4.68108	0.1856861	0.26531570	2.3986162	20	—	—
286625 2002 EF_{14}	16.7	X	288.80530	355.30878	230.13699	3.83934	0.1110757	0.26748347	2.3856392	20	1 4.3	19.9
286626 2002 EV_{14}	16.7	X	134.81402	315.83956	348.21455	5.98981	0.1510736	0.26073781	2.4266103	20	—	—
286627 2002 EZ_{17}	16.8	X	173.93200	150.97566	166.59233	5.90515	0.1250151	0.26542709	2.3979450	20	1 1.8	20.4
286628 2002 EG_{18}	16.8	X	286.31157	206.99615	333.32957	4.66431	0.0524124	0.26139817	2.4225217	20	—	—
286629 2002 ET_{21}	17.4	X	108.65816	335.75572	121.89368	6.28755	0.1913787	0.27911506	2.3188921	20	4 30.3	20.6
286630 2002 EG_{23}	16.2	X	354.36196	331.01791	150.63080	4.23596	0.0510407	0.21001909	2.8030459	20	—	—
286631 2002 EZ_{26}	13.6	X	238.85660	111.80380	358.08368	2.74407	0.0995000	0.08324129	5.1948959	20	9 10.0	20.6
286632 2002 EL_{34}	15.8	X	187.05832	77.00104	125.37308	5.31004	0.0233507	0.19561030	2.9390585	20	11 25.8	20.1
286633 2002 ER_{35}	17.4	X	293.29150	311.61299	281.51907	1.46452	0.1717259	0.26817585	2.3815312	20	1 12.1	20.4
286634 2002 EB_{37}	17.4	X	341.62526	260.83363	116.02015	3.06115	0.1436908	0.29990345	2.2104553	20	11 25.7	19.3
286635 2002 EX_{37}	16.0	X	43.61659	167.54544	129.71868	5.66830	0.1183941	0.18581544	3.0414558	20	10 14.8	20.1
286636 2002 ER_{41}	15.5	X	110.06735	324.55092	165.92268	23.72738	0.0812557	0.17508891	3.1644407	20	6 2.5	20.6
286637 2002 EH_{44}	17.1	X	45.97709	102.51502	174.20815	7.52669	0.1219250	0.29133675	2.2535777	20	10 8.9	19.6
286638 2002 EU_{46}	16.7	X	18.48668	105.10490	105.46063	6.05917	0.1268457	0.27713291	2.3299360	20	5 8.5	18.8
286639 2002 ED_{47}	17.4	X	352.58231	313.27687	256.33441	0.75643	0.1272883	0.27408403	2.3471827	20	3 12.1	19.4
286640 2002 EO_{47}	17.5	X	109.67236	246.39776	197.26955	1.72880	0.2075597	0.27737063	2.3286045	20	4 11.9	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286641 2002 ES_{47}	17.0	X	114.51804	74.57382	186.66635	1.70844	0.1430283	0.24462981	2.5319967	20	11 27.3	20.8
286642 2002 EQ_{48}	17.7	X	103.70951	264.48746	198.99909	2.14985	0.1678679	0.27815803	2.3242079	20	4 26.4	20.6
286643 2002 EE_{55}	16.5	X	271.30677	271.23334	326.76675	5.78497	0.1055587	0.26571114	2.3962358	20	1 2.6	19.8
286644 2002 EB_{56}	17.4	X	67.85409	26.78866	173.34153	3.06151	0.1672374	0.28514109	2.2861050	20	7 25.1	20.1
286645 2002 ED_{59}	16.8	X	285.14160	267.73867	331.08201	6.29716	0.0896721	0.26894111	2.3770113	20	1 21.3	20.1
286646 2002 EC_{64}	16.9	X	304.32453	103.49488	339.71250	6.48271	0.1441491	0.25129360	2.4870342	20	12 1.8	19.4
286647 2002 EJ_{65}	17.4	X	232.64086	31.00460	172.40307	5.26658	0.0462120	0.30947974	2.1646178	20	—	—
286648 2002 ER_{66}	17.5	X	160.24463	167.97979	356.53276	6.84899	0.0944787	0.29322923	2.2438710	20	9 17.7	20.7
286649 2002 EC_{68}	17.8	X	88.18459	13.21519	238.32587	0.45920	0.2450645	0.29129252	2.2538058	20	11 4.2	21.4
286650 2002 EY_{68}	17.0	X	359.95975	230.76347	289.09400	1.87677	0.1747212	0.26856171	2.3792495	20	1 7.1	19.2
286651 2002 EG_{70}	17.5	X	9.44991	343.28841	177.26104	1.79946	0.1451130	0.26989907	2.3713835	20	1 29.3	19.7
286652 2002 EM_{70}	17.2	X	31.35777	102.04038	9.16785	3.85005	0.1447519	0.26710838	2.3878720	20	—	—
286653 2002 EZ_{72}	16.8	X	285.60592	202.89575	3.10042	1.71618	0.1805215	0.26185535	2.4197012	20	—	—
286654 2002 ER_{85}	16.9	X	27.13915	21.01531	126.57901	2.39258	0.1270479	0.27102268	2.3648248	20	2 15.5	18.9
286655 2002 EY_{91}	17.8	X	85.59692	79.18186	169.43679	5.72482	0.1273282	0.29287164	2.2456971	20	10 21.0	20.8
286656 2002 ES_{93}	17.4	X	294.71446	70.44012	163.06971	9.99371	0.2184450	0.26791704	2.3830647	20	1 7.9	21.1
286657 2002 EV_{93}	15.0	X	247.51245	342.98612	348.68864	20.96688	0.0295398	0.17103756	3.2142160	20	4 10.0	20.0
286658 2002 EV_{94}	16.7	X	128.27279	216.45009	15.02471	6.01596	0.1556997	0.24305620	2.5429135	20	11 2.4	20.8
286659 2002 EL_{99}	16.0	X	112.82835	135.56601	54.52018	10.56527	0.1536033	0.23814425	2.5777610	20	9 3.2	20.1
286660 2002 ET_{101}	17.4	X	129.46704	115.51777	102.79058	8.02446	0.1046690	0.29661240	2.2267759	20	10 29.9	20.6
286661 2002 EY_{101}	16.3	X	327.43769	100.49232	67.71739	10.01453	0.1610745	0.21186614	2.7867308	20	—	—
286662 2002 ES_{103}	16.9	X	220.58108	162.37409	167.65729	5.14868	0.1148160	0.22096345	2.7097076	20	3 8.1	21.1
286663 2002 EE_{105}	16.6	X	139.77461	174.27089	51.12613	5.81699	0.2108588	0.24344474	2.5402071	20	11 7.0	20.7
286664 2002 EN_{105}	17.6	X	288.99085	24.76851	135.81911	3.04602	0.0433758	0.31248930	2.1506972	20	—	—
286665 2002 EG_{111}	16.5	X	259.70930	132.69194	84.51779	4.32118	0.1439011	0.26012953	2.4303917	20	—	—
286666 2002 EU_{117}	15.4	X	61.30525	286.40797	343.23124	15.97309	0.1086322	0.18551739	3.0447125	20	9 24.6	19.8
286667 2002 EQ_{120}	16.7	X	324.51818	0.76809	181.23018	5.19843	0.0518317	0.21320389	2.7750617	20	1 11.4	20.5
286668 2002 ES_{120}	16.6	X	155.19573	255.77644	171.14310	11.35008	0.1548958	0.22758545	2.6568868	20	5 6.8	20.9
286669 2002 EK_{123}	17.5	X	297.78291	66.27110	204.43282	1.95224	0.1903361	0.27248938	2.3563312	20	3 2.4	20.3
286670 2002 EY_{128}	17.6	X	31.15816	235.22474	163.01433	23.06408	0.0942807	0.36621396	1.9348447	20	—	—
286671 2002 EU_{129}	16.1	X	223.74507	187.89720	4.50350	5.39385	0.0740209	0.19776201	2.9177011	20	12 19.5	20.2
286672 2002 ES_{137}	16.2	X	118.24655	38.10437	3.99860	6.42075	0.0497039	0.21516838	2.7581449	20	2 14.2	20.0
286673 2002 EV_{138}	17.5	X	268.90181	77.00595	117.99994	2.47037	0.1360298	0.25906648	2.4370358	20	—	—
286674 2002 EA_{142}	17.5	X	48.89412	150.03553	9.01776	2.75852	0.0629859	0.27668142	2.3324699	20	4 6.7	20.0
286675 2002 EG_{143}	17.1	X	297.01223	203.38467	10.04342	1.63840	0.1383993	0.26559301	2.3969462	20	—	—
286676 2002 EE_{145}	16.2	X	189.60460	335.38173	176.64182	12.06051	0.0619932	0.18818443	3.0158767	20	9 22.9	20.6
286677 2002 EJ_{145}	17.5	X	119.80374	182.51899	345.19258	3.82532	0.1346919	0.28688631	2.2768242	20	8 9.6	20.6
286678 2002 EG_{147}	15.1	X	36.09835	248.52050	7.60448	10.80411	0.0415491	0.17716559	3.1396637	20	8 2.3	19.5
286679 2002 EK_{147}	17.4	X	129.92168	65.60568	6.40560	7.19124	0.0761761	0.27604202	2.3360704	20	4 2.6	20.3
286680 2002 EV_{147}	17.4	X	351.25716	51.51501	162.57015	7.29294	0.0727730	0.27436532	2.3455781	20	3 23.9	19.7
286681 2002 EX_{147}	17.3	X	73.07590	347.10020	139.95774	2.83194	0.1338825	0.27589591	2.3368951	20	4 11.4	19.7
286682 2002 EP_{157}	16.0	X	183.64732	223.25004	324.56420	8.30698	0.0440911	0.19301925	2.9653022	20	10 28.1	20.4
286683 2002 EU_{157}	15.5	X	326.65657	175.13545	171.20198	15.62111	0.0847035	0.18431809	3.0579056	20	8 14.3	19.5
286684 2002 EC_{158}	14.0	X	178.94772	221.88511	321.79185	3.86292	0.0695966	0.08383827	5.1702061	20	10 3.7	21.2
286685 2002 EP_{160}	13.5	X	307.43052	96.64384	325.03028	6.00576	0.0738395	0.08458910	5.1395659	20	10 4.8	20.1
286686 2002 FB_{2}	17.0	X	328.44266	55.54481	169.13659	3.50740	0.1905191	0.26957016	2.3733120	20	2 11.6	19.4
286687 2002 FW_{3}	15.4	X	246.53476	64.95747	150.72282	15.41549	0.0926500	0.20423705	2.8557029	20	—	—
286688 2002 FB_{7}	17.1	X	149.23742	147.29309	19.76145	12.63585	0.1244236	0.23819598	2.5773878	20	9 8.1	21.2
286689 2002 FK_{11}	17.4	X	343.10150	165.71056	9.20883	1.26890	0.1154924	0.26754132	2.3852952	20	1 9.4	20.1
286690 2002 FJ_{12}	15.8	X	238.18085	284.43362	4.41684	12.16392	0.1518160	0.21166188	2.7885233	20	2 7.9	20.4
286691 2002 FW_{13}	16.8	X	349.01448	120.75976	44.29178	6.11104	0.1491357	0.26742850	2.3859661	20	—	—
286692 2002 FA_{14}	15.5	X	51.26468	75.25780	183.91561	16.42030	0.2068856	0.17804411	3.1293272	20	9 15.0	19.8
286693 Kodaitis	15.5	X	140.28877	91.44949	14.60344	16.12392	0.2295824	0.17486556	3.1671347	20	6 9.7	21.1
286694 2002 FH_{16}	15.4	X	110.80805	194.94534	36.20183	13.15525	0.1849223	0.18318534	3.0704986	20	10 14.7	20.4
286695 2002 FL_{17}	16.4	X	88.95421	215.36152	142.98132	6.35993	0.0758686	0.20871860	2.8146773	20	—	—
286696 2002 FC_{25}	15.4	X	107.98540	221.88259	1.78099	9.30789	0.0434992	0.18408417	3.0604956	20	9 19.1	19.6
286697 2002 FM_{29}	15.3	X	270.98004	140.61429	23.52893	15.25823	0.0796890	0.20434947	2.8546555	20	—	—
286698 2002 FD_{37}	15.3	X	54.79276	201.16368	337.88422	13.88690	0.1305403	0.17057459	3.2200293	20	5 23.9	19.8
286699 2002 FV_{41}	15.8	X	115.86309	188.06705	37.63942	7.17862	0.0793556	0.18533270	3.0467350	20	10 5.3	20.4
286700 2002 GH	15.9	X	160.55435	168.30396	22.53908	15.95108	0.1097365	0.24140152	2.5545204	20	10 15.2	19.8
286701 2002 GP_{15}	15.2	X	72.21810	227.98311	15.76288	16.95745	0.0953920	0.18164960	3.0877805	20	9 13.2	19.7
286702 2002 GP_{28}	17.2	X	109.55846	328.94216	19.22876	2.96238	0.2124391	0.26117503	2.4239014	20	—	—
286703 2002 GJ_{31}	17.2	X	275.43145	129.11608	107.88839	3.34778	0.1429117	0.26354830	2.4093279	20	1 1.9	20.8
286704 2002 GF_{37}	16.3	X	165.91456	99.24608	122.76722	5.54346	0.1128293	0.24651602	2.5190645	20	11 30.0	20.1
286705 2002 GZ_{43}	15.6	X	149.61011	254.68447	200.40285	25.47545	0.2945454	0.17469132	3.1692402	20	6 8.4	21.6
286706 2002 GM_{48}	15.1	X	49.25665	276.64648	284.12654	9.60108	0.1067574	0.17190969	3.2033359	20	6 13.7	19.3
286707 2002 GK_{49}	16.8	X	165.60274	332.49924	223.43620	10.55412	0.2003115	0.24383947	2.5374649	20	10 22.8	21.0
286708 2002 GM_{49}	16.4	X	124.51039	23.30938	220.11420	11.13983	0.2254060	0.24250545	2.5467621	20	11 16.7	20.8
286709 2002 GG_{61}	17.2	X	356.49727	41.15942	154.11525	1.40261	0.1275300	0.27074421	2.3664460	20	2 27.9	19.5
286710 2002 GY_{67}	16.6	X	308.88530	203.82143	41.92343	7.74224	0.1097204	0.26912900	2.3759049	20	3 1.2	19.6
286711 2002 GY_{68}	15.9	X	148.24837	35.46705	164.46829	6.30962	0.0913466	0.18626250	3.0365872	20	10 7.9	20.6
286712 2002 GW_{72}	17.2	X	106.29805	140.27730	123.85250	3.35949	0.1541484	0.29541991	2.2327643	20	12 2.5	20.5
286713 2002 GM_{78}	16.1	X	118.38641	126.58676	12.38830	12.79132	0.1140943	0.22672676	2.6635909	20	6 24.2	20.3
286714 2002 GO_{79}	15.4	X	190.22373	0.41278	95.57594	19.06955	0.1634379	0.17939612	3.1135847	20	7 10.8	20.5
286715 2002 GQ_{80}	17.4	X	143.14405	192.10146	66.09501	5.10961	0.1124007	0.30060929	2.2069938	20	—	—
286716 2002 GT_{81}	16.0	X	148.94398	219.62637	40.16927	17.00561	0.1785110	0.19170331	2.9788569	20	12 14.5	21.2
286717 2002 GL_{87}	16.4	X	315.65376	114.38202	79.53387	6.03201	0.0777854	0.26333934	2.4106022	20	1 2.6	19.3
286718 2002 GL_{92}	17.5	X	261.23947	232.65897	309.23354	0.72762	0.1251525	0.25415692	2.4683198	20	—	—
286719 2002 GD_{93}	16.5	X	227.90296	210.57312	355.10819	5.85355	0.0877214	0.25254493	2.4788122	20	—	—
286720 2002 GH_{96}	15.5	X	118.41642	37.01988	220.00876	7.12473	0.1009203	0.18739061	3.0243879	20	11 14.6	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286721 2002 GM_{104}	16.5	X	113.81440	58.07386	119.24508	8.24178	0.1631771	0.23063008	2.6334521	20	8 14.2	20.5
286722 2002 GZ_{106}	15.3	X	112.81785	184.63623	53.15685	11.89203	0.0667911	0.18623035	3.0369368	20	10 17.6	19.9
286723 2002 GP_{110}	16.9	X	117.41180	104.50360	125.01868	5.12394	0.1355251	0.23879434	2.5730804	20	10 23.0	20.9
286724 2002 GY_{111}	15.7	X	88.70625	316.68556	193.17492	11.76977	0.0669451	0.16981412	3.2296355	20	5 27.9	20.4
286725 2002 GW_{112}	17.2	X	348.91148	126.15354	146.78635	5.31658	0.2151668	0.27653488	2.3332939	20	6 11.7	18.6
286726 2002 GR_{115}	16.8	X	243.09153	131.97112	80.31387	7.27104	0.0704930	0.25567026	2.4585700	20	—	—
286727 2002 GC_{116}	16.6	X	343.12493	342.49250	140.53918	6.00850	0.1129627	0.25902849	2.4372740	20	—	—
286728 2002 GM_{116}	15.7	X	145.11407	57.09398	106.52034	6.50408	0.1136191	0.18064705	3.0991942	20	8 21.9	20.5
286729 2002 GX_{118}	17.5	X	142.26571	166.82948	80.17107	5.21897	0.1345517	0.29976597	2.2111311	20	12 15.6	20.8
286730 2002 GZ_{118}	16.9	X	343.61329	50.15513	103.65729	5.14553	0.1105875	0.26456531	2.4031495	20	—	—
286731 2002 GW_{119}	15.3	X	285.44851	9.76592	66.99998	10.52046	0.0603332	0.18872363	3.0101297	20	10 20.2	19.4
286732 2002 GY_{119}	16.5	X	72.34830	75.39411	147.81004	11.62886	0.1174422	0.23082450	2.6319731	20	8 20.5	19.9
286733 2002 GM_{124}	17.1	X	278.13282	320.61315	222.54231	0.59600	0.1131826	0.25709105	2.4495035	20	—	—
286734 2002 GZ_{124}	17.0	X	94.17296	248.89237	211.47913	6.07623	0.1273440	0.27437426	2.3455272	20	4 1.7	19.7
286735 2002 GS_{129}	16.8	X	67.09344	37.15768	214.29354	3.55663	0.1127481	0.23389247	2.6089067	20	9 19.1	20.2
286736 2002 GD_{130}	17.4	X	26.32058	354.86791	223.11798	5.32235	0.0901652	0.27785721	2.3258852	20	5 30.9	19.8
286737 2002 GN_{130}	17.2	X	235.75074	295.80777	333.04883	2.03902	0.1592691	0.26076421	2.4264466	20	1 2.6	20.9
286738 2002 GE_{135}	16.4	X	154.95763	145.38528	24.15276	1.94835	0.1271672	0.18365510	3.0652605	20	9 7.2	21.3
286739 2002 GX_{135}	15.5	X	17.97598	6.51474	233.96746	3.95861	0.1179662	0.17081161	3.2170499	20	6 18.2	19.5
286740 2002 GZ_{135}	17.2	X	323.54882	254.23733	334.63245	4.57840	0.2065168	0.26885738	2.3775048	20	2 8.8	20.0
286741 2002 GU_{138}	15.9	X	156.30555	113.83314	112.32315	3.83514	0.1202049	0.19130350	2.9830058	20	11 16.1	20.7
286742 2002 GT_{141}	17.3	X	195.98227	121.41710	46.59375	6.33155	0.1146038	0.29617429	2.2289713	20	11 1.6	20.1
286743 2002 GW_{143}	15.4	X	105.44977	9.16554	220.50555	15.99480	0.0796801	0.18040780	3.1019337	20	9 22.4	20.2
286744 2002 GH_{145}	17.6	X	100.94010	338.35052	206.72508	10.17010	0.0802390	0.28498140	2.2869589	20	7 31.9	20.8
286745 2002 GA_{149}	17.5	X	118.84481	10.30859	173.71170	6.46180	0.1064340	0.28812680	2.2702844	20	8 27.0	20.7
286746 2002 GU_{150}	16.0	X	119.75608	303.58960	202.22906	9.49719	0.1636897	0.17481969	3.1676886	20	7 6.1	21.1
286747 2002 GV_{152}	15.7	X	212.10632	89.96462	90.72148	10.47635	0.0515002	0.19235675	2.9721069	20	11 25.3	20.0
286748 2002 GW_{163}	17.4	X	307.21749	60.82200	126.46129	3.11588	0.1543362	0.26221463	2.4174905	20	—	—
286749 2002 GK_{171}	17.4	X	69.71478	230.28634	13.94177	3.29264	0.1484492	0.28841569	2.2687682	20	9 27.1	20.4
286750 2002 GU_{171}	17.0	X	157.41255	262.30155	316.54530	5.03578	0.0824223	0.29927100	2.2135684	20	11 26.9	20.1
286751 2002 GH_{173}	15.8	X	198.12202	0.42906	139.87729	4.00192	0.1092133	0.18610337	3.0383180	20	9 14.9	20.5
286752 2002 GM_{180}	16.2	X	1.82218	258.92356	247.67093	7.45429	0.1404859	0.21154142	2.7895818	20	1 9.5	19.5
286753 2002 GY_{182}	16.9	X	293.19709	295.66292	217.34813	5.96827	0.0765587	0.25447130	2.4662864	20	—	—
286754 2002 GA_{183}	17.0	X	51.42455	295.66795	249.30664	5.79651	0.1521821	0.27896713	2.3197118	20	6 3.1	19.1
286755 2002 GB_{183}	16.8	X	308.51223	43.08522	52.09221	22.97514	0.0838275	0.35800125	1.9643236	20	—	—
286756 2002 GD_{183}	15.7	X	135.80818	89.17997	114.18631	10.69321	0.1626651	0.18484615	3.0520790	20	10 5.5	20.8
286757 2002 GG_{186}	17.0	X	256.01128	75.19095	201.51626	8.21568	0.1165597	0.26410105	2.4059650	20	1 31.2	20.7
286758 2002 GT_{186}	17.2	X	147.99874	44.46918	188.28526	13.07223	0.1113402	0.24354383	2.5395180	20	11 25.4	21.3
286759 2002 GA_{188}	15.7	X	65.98113	192.21459	168.93897	18.33388	0.0556817	0.19890386	2.9065240	20	—	—
286760 2002 GS_{188}	16.0	X	24.94000	213.51017	39.39805	6.11090	0.1051784	0.17222925	3.1993722	20	7 16.5	20.1
286761 2002 GO_{189}	16.3	X	255.17094	152.78990	142.83147	7.80077	0.0974578	0.21578814	2.7528613	20	3 4.6	20.3
286762 2002 HU_{4}	16.5	X	40.97574	219.92991	93.97532	13.28120	0.1929453	0.23532796	2.5982865	20	11 22.8	20.1
286763 2002 HG_{10}	16.7	X	84.74689	48.14835	210.75265	32.14315	0.2317119	0.23473605	2.6026525	20	11 1.9	20.9
286764 2002 HH_{13}	17.2	X	357.88595	16.49512	92.40826	23.92807	0.0911459	0.36798421	1.9286345	20	—	—
286765 2002 HP_{15}	17.0	X	6.20445	248.29622	38.00947	7.49053	0.1120996	0.28401969	2.2921186	20	8 17.0	19.3
286766 2002 HF_{17}	17.3	X	261.76727	216.11716	355.23050	0.86301	0.1313439	0.25753548	2.4466847	20	—	—
286767 2002 JC_{3}	17.0	X	223.53949	14.38400	209.87089	4.81690	0.0934529	0.25306683	2.4754029	20	—	—
286768 2002 JO_{11}	17.1	X	355.96994	60.14000	241.60999	5.90394	0.2759864	0.27939747	2.3173292	20	8 31.3	18.3
286769 2002 JS_{14}	17.1	X	304.98207	202.20840	66.13089	4.69952	0.2176835	0.26926685	2.3750939	20	3 8.1	20.1
286770 2002 JM_{17}	17.6	X	184.40213	358.90528	228.86606	6.36377	0.1054561	0.30157548	2.2022774	20	—	—
286771 2002 JF_{23}	16.6	X	341.97675	104.84291	63.98329	7.77904	0.1438837	0.26401196	2.4065062	20	—	—
286772 2002 JN_{33}	15.5	X	71.44421	233.09605	57.00999	10.11676	0.2343772	0.17992154	3.1075201	20	11 18.6	20.2
286773 2002 JE_{50}	17.3	X	20.46637	311.18470	274.29715	3.49795	0.2213909	0.27562346	2.3384348	20	6 14.8	18.7
286774 2002 JQ_{57}	16.5	X	285.67034	116.70520	63.40255	8.84956	0.1181134	0.25561322	2.4589357	20	—	—
286775 2002 JZ_{60}	17.3	X	13.67430	207.59920	40.32232	6.88575	0.0680944	0.27738880	2.3285028	20	6 21.4	19.7
286776 2002 JY_{65}	16.9	X	326.96306	99.86544	94.13048	2.31276	0.1252208	0.26335393	2.4105132	20	1 10.8	19.9
286777 2002 JV_{68}	16.7	X	352.42484	142.77472	82.51302	9.23130	0.2531362	0.27333358	2.3514769	20	3 27.9	18.5
286778 2002 JA_{71}	16.8	X	112.53887	58.33624	163.24802	7.62538	0.0842916	0.28977608	2.2616620	20	10 11.8	19.8
286779 2002 JD_{80}	16.4	X	31.54948	56.51521	221.66296	12.15896	0.2368059	0.22928644	2.6437302	20	9 22.3	19.6
286780 2002 JH_{83}	17.1	X	188.66438	175.12091	28.21645	7.13341	0.0850631	0.29914159	2.2142068	20	12 13.4	20.0
286781 2002 JG_{84}	17.5	X	136.00860	348.80196	226.96295	3.55559	0.1076002	0.29266755	2.2467409	20	10 28.9	20.5
286782 2002 JU_{84}	17.1	X	111.90179	251.47626	250.41943	3.51171	0.1221287	0.27936666	2.3174996	20	6 22.8	20.1
286783 2002 JF_{86}	15.4	X	58.19996	223.48906	39.85308	11.62598	0.0633066	0.17756372	3.1349688	20	9 14.9	19.9
286784 2002 JN_{86}	16.1	X	185.71057	11.43130	224.56023	13.37943	0.0732817	0.19308194	2.9646604	20	12 26.9	20.7
286785 2002 JN_{87}	17.9	X	94.64063	286.73460	2.07881	0.58193	0.2231369	0.29326442	2.2436914	20	12 24.4	21.6
286786 2002 JE_{89}	17.7	X	334.39809	9.58314	238.51777	1.58708	0.1946627	0.27152886	2.3618849	20	3 26.4	19.8
286787 2002 JL_{91}	15.4	X	117.35489	29.88048	224.58979	9.16662	0.0365794	0.18514530	3.0487905	20	11 5.6	19.9
286788 2002 JK_{93}	15.4	X	220.19708	120.52487	56.02655	11.34802	0.0611005	0.18940882	3.0028658	20	11 25.7	19.8
286789 2002 JT_{93}	16.6	X	117.15104	6.36224	236.94229	13.60856	0.0956050	0.23748529	2.5825272	20	11 3.4	20.5
286790 2002 JB_{97}	16.5	X	285.88005	124.34507	131.75635	9.98396	0.2124008	0.26670613	2.3902723	20	1 28.6	20.0
286791 2002 JU_{98}	17.3	X	146.72843	144.47441	59.23495	6.52781	0.1323348	0.29258665	2.2471551	20	10 25.9	20.6
286792 2002 JE_{106}	16.8	X	54.92252	209.15195	48.16625	6.58818	0.2647396	0.23074441	2.6325821	20	10 6.6	20.5
286793 2002 JH_{106}	17.2	X	230.28884	224.15385	61.73894	3.27852	0.2185062	0.25855260	2.4402638	20	1 17.5	21.3
286794 2002 JY_{123}	17.4	X	122.83612	121.57768	136.46192	6.21839	0.1533998	0.29513871	2.2341823	20	12 10.5	20.8
286795 2002 JT_{126}	16.2	X	65.20699	204.39760	118.72993	9.04873	0.2925774	0.23789699	2.5795468	20	—	—
286796 2002 JM_{129}	17.7	X	133.80659	163.85617	44.54128	5.70513	0.1339598	0.29187099	2.2508269	20	10 18.5	20.9
286797 2002 JB_{130}	16.9	X	158.93842	88.42541	161.46861	5.04675	0.1125963	0.24545088	2.5263469	20	12 25.9	20.8
286798 2002 JD_{130}	16.7	X	39.30363	78.39871	207.73751	12.18764	0.2609677	0.23008651	2.6375980	20	10 22.0	20.0
286799 2002 JO_{132}	17.2	X	6.49117	352.38477	219.46790	6.13803	0.0596385	0.27308151	2.3529237	20	4 13.9	19.6
286800 2002 JQ_{133}	14.8	X	49.06732	255.64206	32.12959	11.43748	0.1268291	0.17808585	3.1288382	20	10 9.5	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286801 2002 JC_{134}	16.4	X	10.13944	65.61104	230.55962	7.93543	0.1814699	0.22847975	2.6499494	20	8 30.9	19.2
286802 2002 JV_{135}	17.4	X	339.80849	27.81473	250.65804	2.20806	0.1753127	0.27570809	2.3379562	20	5 30.8	19.3
286803 2002 JS_{139}	16.9	X	125.33027	275.62107	322.59415	4.13420	0.1577263	0.23883862	2.5727624	20	11 7.0	21.0
286804 2002 JW_{146}	15.1	X	74.62481	22.00903	188.82747	16.49312	0.1587744	0.17352334	3.1834457	20	8 4.3	19.9
286805 2002 JH_{149}	16.9	X	310.33564	204.04475	77.42619	10.33911	0.2113456	0.26976686	2.3721582	20	4 7.3	19.8
286806 2002 JS_{149}	16.0	X	90.01534	63.96884	218.84547	9.42125	0.0737815	0.18335653	3.0685871	20	11 12.8	20.5
286807 2002 JF_{150}	16.8	X	68.12391	328.62912	60.71359	22.62072	0.0935330	0.36034140	1.9558097	20	—	—
286808 2002 KR_{1}	16.0	X	121.64048	274.86961	329.18023	2.66131	0.1802974	0.18397683	3.0616859	20	11 4.5	21.1
286809 2002 KB_{3}	16.1	X	206.50084	241.05042	226.07625	11.58380	0.1030334	0.23307785	2.6149820	20	8 12.1	20.2
286810 2002 KA_{4}	16.1	X	101.74910	69.06291	142.74180	30.07574	0.3117499	0.23114383	2.6295485	20	9 30.7	21.1
286811 2002 KH_{9}	18.1	X	239.35425	129.36318	155.71096	17.53343	0.1568422	0.42286262	1.7579365	20	1 3.8	20.6
286812 2002 LP_{18}	16.0	X	39.76175	207.56131	82.26767	14.52421	0.1763315	0.22923086	2.6441575	20	10 21.6	19.7
286813 2002 LX_{27}	16.8	X	65.82727	35.60457	164.08970	4.95647	0.0747740	0.27762444	2.3271851	20	7 5.3	19.5
286814 2002 LV_{28}	16.8	X	321.24018	45.35097	250.79934	10.35892	0.2644797	0.27021455	2.3695374	20	4 30.8	19.2
286815 2002 LH_{30}	16.4	X	349.38945	115.85733	196.11501	12.29453	0.2828305	0.22424638	2.6831961	20	8 13.0	18.5
286816 2002 LG_{34}	15.9	X	17.25447	114.55265	234.07242	25.83615	0.3023957	0.23081464	2.6320481	20	12 16.5	19.4
286817 2002 LP_{35}	17.1	X	278.43213	162.87795	124.81847	5.83341	0.2247411	0.26450118	2.4035379	20	3 1.3	20.7
286818 2002 LU_{45}	17.1	X	44.72936	280.18366	65.15584	7.18602	0.1861729	0.29285173	2.2457988	20	—	—
286819 2002 LC_{50}	16.2	X	136.83701	178.22913	92.06339	13.91103	0.2418550	0.24012397	2.5635731	20	12 26.3	20.8
286820 2002 LS_{59}	15.8	X	68.98654	131.97801	118.50471	13.39208	0.1759711	0.22876510	2.6477453	20	10 5.6	19.8
286821 2002 LH_{61}	15.4	X	51.48411	10.81780	298.67857	14.90524	0.0625118	0.17476941	3.1682961	20	10 20.5	20.1
286822 2002 LN_{61}	16.2	X	4.57502	245.55521	106.37908	15.12320	0.1799741	0.23262297	2.6183899	20	11 19.6	19.3
286823 2002 LC_{62}	16.2	X	103.94723	23.11218	256.59515	12.61250	0.2381194	0.23431302	2.6057841	20	12 12.1	20.6
286824 2002 LE_{62}	16.7	X	274.10492	164.30629	111.74878	11.67173	0.2560252	0.26022250	2.4298128	20	2 9.1	20.6
286825 2002 MX_{4}	16.6	X	7.37855	30.32741	268.61063	11.58439	0.1244122	0.22128636	2.7070708	20	8 19.8	19.8
286826 2002 MJ_{5}	16.6	X	107.07590	210.20239	109.23156	6.68773	0.2962131	0.23836248	2.5761874	20	—	—
286827 2002 MP_{5}	16.3	X	176.55488	278.11232	332.78104	10.43645	0.2483948	0.24284714	2.5443727	20	—	—
286828 2002 MZ_{5}	16.2	X	108.11376	63.69347	163.23149	12.68114	0.0813239	0.22676759	2.6632712	20	10 4.6	20.1
286829 2002 MB_{6}	15.8	X	6.78894	326.45089	318.77377	8.45693	0.1437089	0.21795181	2.7346121	20	8 6.5	18.7
286830 2002 NA	16.2	X	83.41622	13.19254	266.75103	22.18191	0.2181853	0.28637223	2.2795482	20	12 3.1	19.9
286831 2002 NH_{10}	16.1	X	69.68373	348.70302	281.13976	14.13934	0.1795274	0.22908563	2.6452750	20	10 19.3	20.3
286832 2002 NU_{11}	16.6	X	29.59543	201.21128	116.24672	9.16092	0.1816452	0.22710903	2.6606012	20	11 9.5	20.1
286833 2002 NZ_{11}	16.2	X	61.71254	216.34580	121.12659	5.53422	0.2148555	0.23405063	2.6077313	20	—	—
286834 2002 NO_{14}	16.6	X	17.02160	56.82279	290.70373	8.22491	0.2609581	0.22712592	2.6604693	20	12 9.7	19.8
286835 2002 NL_{38}	17.5	X	17.41808	140.42595	174.95101	4.67674	0.2586078	0.27890101	2.3200784	20	11 11.4	19.9
286836 2002 NX_{38}	15.6	X	99.00509	122.25940	208.42957	12.90951	0.1955184	0.24019470	2.5630698	20	—	—
286837 2002 NH_{50}	16.8	X	315.58905	276.33012	57.73116	2.17230	0.2943044	0.21740849	2.7391662	20	6 14.4	19.4
286838 2002 NJ_{50}	17.2	X	256.36004	246.87534	100.81125	3.06783	0.2426465	0.26529264	2.3987551	20	4 22.8	20.8
286839 2002 NF_{53}	16.3	X	82.12331	315.47745	309.78094	12.48758	0.2334764	0.22970173	2.6405427	20	11 1.4	20.8
286840 2002 NN_{54}	16.0	X	113.45419	215.43882	101.52051	8.40824	0.1959264	0.23979534	2.5659147	20	—	—
286841 Annemieke	15.6	X	341.62488	132.70500	272.47193	10.62299	0.1246972	0.17686520	3.1432177	20	11 23.1	19.5
286842 Joris	16.3	X	63.31195	55.61698	215.35536	4.29023	0.1509427	0.17157602	3.2074876	20	10 5.9	20.9
286843 2002 NU_{58}	15.6	X	73.35211	126.66765	168.22296	11.13410	0.0715306	0.17470522	3.1690721	20	11 8.9	20.3
286844 2002 NT_{59}	17.5	X	260.38679	53.80060	293.80026	2.02883	0.2053041	0.26580430	2.3956758	20	4 28.6	21.1
286845 2002 NE_{60}	16.1	X	111.79098	53.27284	330.72959	8.37224	0.1178988	0.19301942	2.9653005	20	1 27.1	20.3
286846 2002 NL_{61}	15.9	X	185.71723	281.70025	295.54399	10.83437	0.2216716	0.24095039	2.5577080	20	12 2.7	20.2
286847 2002 NC_{62}	17.9	X	100.93972	35.03345	305.65163	5.88683	0.1799506	0.29611737	2.2292569	20	—	—
286848 2002 ND_{62}	17.0	X	251.93372	199.63680	83.13119	6.61599	0.1169642	0.25776310	2.4452441	20	2 8.7	20.7
286849 2002 NG_{63}	17.6	X	13.56456	26.83808	321.40946	3.96418	0.1743381	0.28349994	2.2949192	20	12 6.9	20.2
286850 2002 NA_{66}	17.5	X	170.61541	55.46262	247.70451	4.43139	0.1443282	0.30230290	2.1987432	20	—	—
286851 2002 NQ_{66}	16.2	X	60.02409	24.73521	300.81162	13.64037	0.0651410	0.23345751	2.6121462	20	12 9.4	19.9
286852 2002 NT_{67}	15.8	X	125.91855	23.02994	221.79008	13.00125	0.1985940	0.23257897	2.6187201	20	11 17.5	20.1
286853 2002 NV_{67}	16.6	X	99.90985	220.47725	83.77419	5.79557	0.2286017	0.23604138	2.5930483	20	—	—
286854 2002 NW_{68}	17.3	X	358.39991	167.09925	149.11867	6.80589	0.1352578	0.22192379	2.7018847	20	9 5.5	20.2
286855 2002 ND_{69}	15.4	X	48.30449	55.71440	292.07094	15.18301	0.1064632	0.17851830	3.1237832	20	12 16.2	20.0
286856 2002 NE_{69}	16.0	X	238.23747	133.50840	310.12928	11.53300	0.1889636	0.22020049	2.7159631	20	8 10.1	19.9
286857 2002 NM_{70}	17.3	X	39.90058	136.73904	173.79778	5.97758	0.1796351	0.22790217	2.6544247	20	11 12.2	20.8
286858 2002 NK_{72}	16.9	X	84.33775	101.16434	159.93364	5.92149	0.1635093	0.22914949	2.6447835	20	10 29.7	20.9
286859 2002 NO_{72}	15.7	X	329.34279	333.49231	125.60622	27.43224	0.2144984	0.23958093	2.5674454	20	—	—
286860 2002 NV_{72}	15.2	X	276.85462	334.55312	127.23277	19.26941	0.0795557	0.17765466	3.1338988	20	11 7.8	19.8
286861 2002 NZ_{72}	16.7	X	336.48966	344.28621	257.62601	5.96792	0.0678130	0.26455553	2.4032087	20	4 6.5	19.5
286862 2002 NO_{74}	16.6	X	46.68629	38.16005	194.91402	8.66885	0.0854933	0.21631742	2.7483691	20	7 20.4	20.2
286863 2002 NW_{74}	17.1	X	358.62816	180.55115	147.76359	2.80935	0.2102440	0.22317703	2.6917603	20	10 2.2	19.5
286864 2002 OA_{5}	15.9	X	119.04864	150.49707	151.38909	27.05222	0.0143233	0.23812710	2.5778848	20	—	—
286865 2002 OQ_{6}	16.8	X	347.96681	69.35416	244.04946	6.98394	0.2315646	0.21891121	2.7266164	20	8 8.9	19.3
286866 2002 OR_{7}	17.0	X	246.48818	225.93602	117.76161	16.12984	0.2448015	0.26254746	2.4154469	20	4 14.9	21.2
286867 2002 OJ_{11}	17.1	X	336.14504	149.46506	212.10570	6.66641	0.2736288	0.27763765	2.3271112	20	10 25.2	18.1
286868 2002 OQ_{12}	16.6	X	18.60137	143.89537	186.75932	6.94516	0.3446511	0.22563072	2.6722099	20	12 4.1	19.9
286869 2002 OU_{13}	16.2	X	349.84769	89.79118	269.36208	11.66988	0.2139652	0.22424099	2.6832391	20	10 24.5	19.0
286870 2002 OW_{14}	15.6	X	319.88622	130.15579	271.75015	12.02818	0.1724177	0.22410866	2.6842953	20	10 19.4	18.5
286871 2002 OD_{15}	16.0	X	344.57552	60.88524	272.53185	11.49396	0.1848184	0.21934051	2.7230575	20	8 27.9	18.9
286872 2002 OZ_{15}	15.6	X	10.31980	41.06757	281.85446	13.25506	0.1279134	0.22222165	2.6994698	20	9 26.6	19.1
286873 2002 OU_{19}	16.3	X	328.75057	48.77662	237.24467	11.27979	0.1785012	0.21395483	2.7685645	20	5 19.3	19.3
286874 2002 ON_{21}	15.6	X	331.37071	115.18577	293.85995	25.95522	0.1160773	0.23002816	2.6380441	20	11 26.5	19.1
286875 2002 OE_{24}	15.7	X	67.07971	359.70240	319.69416	15.13637	0.1488390	0.23218620	2.6216726	20	12 20.6	19.8
286876 2002 OY_{26}	17.1	X	109.32022	175.98218	144.69924	1.09485	0.1050195	0.23813888	2.5777998	20	—	—
286877 2002 OQ_{27}	16.5	X	65.80907	235.22979	116.25741	5.65342	0.1737200	0.23633319	2.5909134	20	—	—
286878 2002 OT_{27}	17.1	X	120.55339	79.64144	196.08065	3.08406	0.0706993	0.23474185	2.6026096	20	12 16.6	21.0
286879 2002 OZ_{27}	18.2	X	161.23574	35.74074	242.03911	2.94058	0.1634443	0.29728348	2.2234235	20	—	—
286880 2002 OF_{28}	16.0	X	65.45174	335.65630	298.64261	13.00956	0.0291815	0.22564499	2.6720972	20	9 26.9	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286881 2002 OS_{28}	15.1	X	78.88950	128.45011	219.44052	22.06082	0.1290198	0.17978979	3.1090381	20	—	—
286882 2002 OR_{32}	16.8	X	115.23548	226.58165	110.04470	3.50209	0.0727960	0.24217066	2.5491088	20	—	—
286883 2002 OY_{35}	16.6	X	327.28701	197.26006	155.80093	5.28671	0.0732482	0.22127957	2.7071262	20	9 1.5	19.7
286884 2002 PE	17.2	X	231.16394	225.37659	114.30466	5.17679	0.2189173	0.25957804	2.4338329	20	3 24.6	21.2
286885 2002 PE_{2}	15.5	X	106.23652	115.00403	212.04006	11.69202	0.1101756	0.18380203	3.0636267	20	—	—
286886 2002 PL_{9}	17.1	X	332.79357	227.89717	166.03797	6.28559	0.2116830	0.28104927	2.3082406	20	12 6.4	18.9
286887 2002 PP_{11}	17.1	X	197.51903	105.77489	153.96000	6.53895	0.1898578	0.24553037	2.5258016	20	—	—
286888 2002 PS_{13}	17.5	X	125.25409	5.23294	291.44409	6.42148	0.1412826	0.29475752	2.2361081	20	—	—
286889 2002 PO_{21}	17.6	X	8.78332	244.69383	138.67765	6.73420	0.2736938	0.28446669	2.2897168	20	—	—
286890 2002 PU_{21}	16.2	X	329.93109	89.19529	298.29334	11.63676	0.1851365	0.22484838	2.6784048	20	10 18.3	19.0
286891 2002 PF_{28}	16.1	X	304.24150	100.21530	307.63794	6.45647	0.2529257	0.22205883	2.7007891	20	9 16.3	18.8
286892 2002 PK_{31}	17.1	X	32.52573	143.88170	148.52277	7.24863	0.1328305	0.27844039	2.3226364	20	10 12.6	19.7
286893 2002 PL_{33}	15.7	X	103.03163	13.77216	329.92941	22.31320	0.0854348	0.18347509	3.0672651	20	—	—
286894 2002 PF_{38}	17.7	X	279.74574	120.58304	255.78503	0.53827	0.1876503	0.27129980	2.3632141	20	7 6.4	20.4
286895 2002 PJ_{39}	17.2	X	55.08313	241.75115	134.54070	8.70442	0.1387495	0.29304569	2.2448078	20	—	—
286896 2002 PM_{43}	17.3	X	224.44197	176.31846	164.13284	24.35063	0.1174684	0.37000319	1.9216122	20	3 14.1	19.6
286897 2002 PL_{48}	15.3	X	274.07563	127.77560	274.23869	6.62016	0.2248547	0.21433566	2.7652842	20	7 23.5	19.0
286898 2002 PP_{48}	15.7	X	71.55747	350.33847	314.85286	15.91106	0.2079543	0.22903226	2.6456859	20	12 12.3	20.1
286899 2002 PB_{56}	15.5	X	347.21151	53.86219	310.86257	11.38696	0.1902327	0.22370265	2.6875422	20	10 22.3	18.4
286900 2002 PQ_{61}	16.2	X	343.59568	198.87159	199.29049	12.25466	0.1595600	0.22713934	2.6603645	20	12 7.4	19.2
286901 2002 PU_{64}	16.9	X	2.87354	105.78298	210.90411	9.87227	0.1976003	0.27659806	2.3329386	20	10 2.7	18.9
286902 2002 PL_{66}	18.0	X	188.30252	358.53845	280.90548	3.91868	0.1969879	0.30252498	2.1976670	20	—	—
286903 2002 PY_{67}	17.6	X	255.19011	24.45116	232.75463	2.05761	0.1464336	0.25353143	2.4723778	20	1 7.6	21.4
286904 2002 PY_{68}	16.6	X	333.84928	163.16432	200.69134	6.29041	0.2992979	0.22085414	2.7106016	20	9 25.8	18.3
286905 2002 PC_{69}	16.5	X	117.86141	125.11238	171.84625	18.85630	0.3043676	0.23724701	2.5842561	20	—	—
286906 2002 PS_{72}	15.5	X	74.97377	131.51403	201.10527	12.53334	0.1549249	0.17893102	3.1189778	20	12 31.3	20.5
286907 2002 PX_{72}	15.8	X	29.36981	94.94324	160.66844	25.02604	0.0756775	0.21737544	2.7394438	20	7 24.9	19.6
286908 2002 PE_{73}	16.3	X	353.21762	118.42279	238.26597	10.27881	0.2139749	0.22489678	2.6780205	20	10 31.6	18.8
286909 2002 PY_{73}	16.1	X	353.16681	192.77864	176.92755	14.47042	0.2551032	0.22463411	2.6801077	20	11 29.1	18.9
286910 2002 PB_{86}	17.0	X	88.94194	301.51566	22.91260	4.18958	0.2642936	0.23535417	2.5980936	20	—	—
286911 2002 PR_{86}	15.8	X	53.17969	208.81021	130.21862	15.14647	0.2637414	0.23086765	2.6316451	20	—	—
286912 2002 PL_{87}	16.4	X	7.28713	328.20983	341.52823	12.57315	0.2190408	0.22177683	2.7030782	20	9 19.6	19.0
286913 2002 PW_{88}	17.5	X	67.45251	172.62702	126.25885	7.65237	0.1295011	0.28309496	2.2971073	20	12 4.1	20.8
286914 2002 PH_{89}	16.0	X	119.44367	107.05797	206.71568	12.51520	0.1885201	0.23849636	2.5752232	20	—	—
286915 2002 PR_{95}	16.7	X	132.33333	27.89164	295.64177	8.02144	0.2205559	0.24229910	2.5482078	20	—	—
286916 2002 PT_{96}	16.3	X	129.43230	299.53770	63.43261	2.79868	0.3465783	0.18960825	3.0007598	20	2 13.8	21.3
286917 2002 PV_{100}	16.6	X	212.68174	127.38556	116.48622	14.09482	0.1400778	0.24498410	2.5295550	20	—	—
286918 2002 PP_{102}	16.6	X	355.94782	152.70684	193.95541	11.15284	0.1991206	0.22364095	2.6880365	20	10 22.7	19.1
286919 2002 PQ_{102}	16.4	X	149.27014	358.48853	259.51166	10.93309	0.1426695	0.23711902	2.5851860	20	12 23.2	20.5
286920 2002 PG_{104}	15.8	X	265.55676	156.60302	251.51624	8.58233	0.1422821	0.21688297	2.7435892	20	7 31.4	19.6
286921 2002 PO_{104}	16.0	X	2.76072	63.52106	240.56963	7.97692	0.0973485	0.21893182	2.7264453	20	8 18.5	19.4
286922 2002 PT_{104}	16.4	X	177.97540	288.92245	313.36534	25.83609	0.2446697	0.23993254	2.5649365	20	12 29.3	21.0
286923 2002 PW_{105}	17.2	X	248.97175	136.85378	211.33356	6.09582	0.1473872	0.26286831	2.4134811	20	4 24.5	20.6
286924 2002 PN_{106}	16.2	X	312.23777	138.77239	241.54655	7.93445	0.0898075	0.22086964	2.7104748	20	9 9.6	19.5
286925 2002 PT_{106}	16.7	X	317.49787	94.27921	269.21629	6.88097	0.2273978	0.21816845	2.7328015	20	8 12.1	19.3
286926 2002 PB_{109}	17.4	X	74.96847	121.26521	219.92906	6.78710	0.1752474	0.29104597	2.2550785	20	—	—
286927 2002 PA_{113}	16.4	X	334.68920	150.68733	165.34051	15.01050	0.2474506	0.21670735	2.7450713	20	7 8.9	19.1
286928 2002 PD_{113}	15.8	X	257.37790	93.10801	319.75868	23.59056	0.2094385	0.21473893	2.7618210	20	7 25.1	19.9
286929 2002 PT_{114}	17.7	X	278.96259	230.23696	169.89380	3.69907	0.1741506	0.27232963	2.3572526	20	8 11.7	20.1
286930 2002 PJ_{119}	16.6	X	39.08979	162.39107	216.93370	2.99168	0.1314530	0.23390474	2.6088155	20	—	—
286931 2002 PP_{119}	16.7	X	148.93583	337.03539	309.91561	8.71514	0.1245034	0.23955841	2.5676063	20	—	—
286932 2002 PL_{122}	16.9	X	92.59897	178.09301	210.73413	4.53402	0.1857328	0.24368731	2.5385211	20	1 6.6	19.8
286933 2002 PN_{123}	16.3	X	105.30333	8.44752	270.28258	6.94136	0.1948748	0.23241620	2.6199426	20	12 9.9	20.5
286934 2002 PA_{124}	16.9	X	329.61969	199.77334	113.02323	7.82172	0.2736877	0.27127639	2.3633500	20	6 20.9	18.1
286935 2002 PS_{124}	16.4	X	34.69698	71.18820	313.31252	4.79106	0.2541196	0.23230517	2.6207774	20	—	—
286936 2002 PT_{127}	15.9	X	316.54994	231.29781	127.90230	9.41288	0.1532844	0.21854372	2.7296722	20	8 16.7	18.8
286937 2002 PN_{139}	15.3	X	35.09016	309.60907	353.38469	11.18675	0.2800153	0.22485595	2.6783446	20	11 4.8	19.0
286938 2002 PH_{142}	16.7	X	348.17566	72.43418	290.79014	12.45035	0.1991358	0.22285248	2.6943731	20	10 22.9	19.6
286939 2002 PJ_{158}	17.0	X	77.53890	243.79255	129.42990	3.89044	0.2115991	0.23889760	2.5723390	20	—	—
286940 2002 PZ_{159}	17.2	X	52.83375	154.59954	114.53306	7.41455	0.0680183	0.27838334	2.3229537	20	9 29.4	20.1
286941 2002 PJ_{161}	17.3	X	47.34889	49.74116	321.74365	6.07724	0.1331916	0.29029571	2.2589622	20	—	—
286942 2002 PZ_{161}	17.7	X	278.66558	225.22081	69.61270	2.10756	0.1856220	0.26168748	2.4207359	20	3 15.1	21.0
286943 2002 PN_{162}	16.9	X	228.78596	350.54219	122.09152	6.92542	0.0453922	0.27965775	2.3158912	20	10 8.5	19.8
286944 2002 PD_{164}	17.3	X	139.57696	249.62924	100.11225	4.27124	0.2239280	0.24618831	2.5212995	20	1 20.1	21.1
286945 2002 PO_{165}	17.1	X	136.14337	213.28854	154.63834	6.77555	0.0869819	0.24763307	2.5114832	20	1 21.4	20.6
286946 2002 PY_{167}	17.4	X	80.94903	37.21122	335.66676	3.68844	0.1526786	0.23939758	2.5687562	20	—	—
286947 2002 PA_{169}	16.7	X	307.65725	60.54856	329.66037	6.36458	0.2070147	0.21993615	2.7181389	20	9 5.6	19.4
286948 2002 PC_{169}	17.9	X	176.14606	74.82370	332.77017	1.52535	0.2138460	0.25757756	2.4464182	20	4 29.3	22.1
286949 2002 PP_{169}	16.4	X	286.84918	27.75987	356.09527	5.19893	0.0501101	0.21806736	2.7336460	20	8 16.5	20.0
286950 2002 PX_{169}	16.4	X	289.14359	287.51261	142.80710	8.91580	0.1966256	0.22422165	2.6833934	20	10 5.3	19.4
286951 2002 PJ_{170}	16.4	X	166.38349	17.20464	210.27862	15.03657	0.1017392	0.23553402	2.5967708	20	12 5.1	20.5
286952 2002 PE_{172}	16.9	X	348.40237	234.49906	117.38548	3.94091	0.1154814	0.22340879	2.6898984	20	10 8.9	19.8
286953 2002 PM_{173}	15.4	X	275.57195	183.66524	309.57448	15.48845	0.0612895	0.17865377	3.1222038	20	12 9.3	19.8
286954 2002 PO_{174}	15.5	X	160.40572	155.84647	119.25262	12.75827	0.0709901	0.18436595	3.0573763	20	—	—
286955 2002 PL_{177}	17.4	X	240.11519	319.49588	44.29231	3.15341	0.2054328	0.26380685	2.4077534	20	4 30.2	21.2
286956 2002 PS_{177}	17.1	X	220.37161	65.55936	262.62253	6.12497	0.1419784	0.25673161	2.4517893	20	2 27.6	21.1
286957 2002 PE_{178}	16.8	X	69.89058	62.87624	285.59069	3.49539	0.0810322	0.23539254	2.5978112	20	—	—
286958 2002 PR_{178}	15.2	X	93.54966	277.63478	328.54794	24.73524	0.2133772	0.17341115	3.1848186	20	10 2.5	20.7
286959 2002 PL_{180}	17.1	X	252.68778	87.10261	271.71545	0.48888	0.0886544	0.20997884	2.8034040	20	5 21.0	20.8
286960 2002 PP_{181}	15.9	X	75.35226	331.20640	286.55255	12.61787	0.0783237	0.22292508	2.6937881	20	9 24.9	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286961 2002 PU_{182}	17.0	X	287.96661	258.34863	133.30911	11.47234	0.1938897	0.21800838	2.7341390	20	8 5.3	20.3
286962 2002 PN_{185}	16.5	X	170.03764	303.21648	49.94954	2.59768	0.1103907	0.19680102	2.9271916	20	2 19.3	21.1
286963 2002 PD_{190}	15.9	X	144.30466	55.99618	283.79393	10.58089	0.0904982	0.18911495	3.0059758	20	1 6.4	20.3
286964 2002 PS_{192}	16.7	X	275.88220	103.24237	285.01075	2.77436	0.0754603	0.21682772	2.7440552	20	7 31.9	20.1
286965 2002 PV_{192}	16.1	X	352.64981	238.85147	157.14292	12.21060	0.0960823	0.17449888	3.1715699	20	11 29.7	20.3
286966 2002 PP_{194}	18.1	X	222.27460	77.14360	239.16883	0.12738	0.1893302	0.25584096	2.4574763	20	2 16.6	22.1
286967 2002 PR_{194}	16.6	X	202.41071	248.32037	324.49580	2.84494	0.2060106	0.24065336	2.5598122	20	12 14.5	20.6
286968 2002 QX_{2}	17.1	X	141.27015	89.45866	239.13137	2.46749	0.1714683	0.24329735	2.5412329	20	—	—
286969 2002 QC_{8}	16.4	X	55.06135	217.90376	88.04400	4.26234	0.0812183	0.22622648	2.6675164	20	11 10.3	19.9
286970 2002 QN_{11}	16.7	X	352.22952	18.05922	314.73825	9.99341	0.1197267	0.22160253	2.7044954	20	9 11.8	19.8
286971 2002 QC_{13}	17.2	X	93.59485	148.91770	258.23986	3.31138	0.2728521	0.24403568	2.5361046	20	2 14.7	20.3
286972 2002 QW_{16}	17.0	X	279.33854	83.50048	247.05347	5.19157	0.1537662	0.26425808	2.4050117	20	5 5.5	20.1
286973 2002 QK_{17}	17.8	X	137.10402	189.23724	156.23566	6.54454	0.3127891	0.24355456	2.5394434	20	1 20.9	22.0
286974 2002 QC_{19}	17.0	X	120.53795	349.82860	1.07044	6.23347	0.1533655	0.24216270	2.5491646	20	—	—
286975 2002 QD_{19}	17.2	X	1.92823	179.36070	106.75556	3.75493	0.1963788	0.27234025	2.3571913	20	8 11.6	18.7
286976 2002 QF_{22}	17.1	X	179.83982	298.13017	312.69341	7.73689	0.1317294	0.29509192	2.2344184	20	—	—
286977 2002 QJ_{23}	17.8	X	300.46334	9.71082	3.68716	0.97572	0.2058839	0.27220020	2.3579998	20	8 5.5	19.8
286978 2002 QR_{26}	17.3	X	19.75971	290.07047	334.27932	4.34076	0.1009130	0.27237934	2.3569658	20	8 1.5	19.5
286979 2002 QS_{26}	16.9	X	12.83335	218.06773	148.35135	2.36068	0.1070099	0.22733075	2.6588709	20	12 5.2	20.2
286980 2002 QO_{27}	17.0	X	116.90181	209.76939	138.05300	12.31181	0.2022901	0.24157267	2.5533137	20	—	—
286981 2002 QM_{36}	16.4	X	285.62491	227.98636	163.88123	6.18323	0.1868252	0.21582334	2.7525620	20	8 1.7	19.8
286982 2002 QL_{38}	17.6	X	347.05852	352.24514	105.64047	0.35326	0.0095500	0.23610969	2.5925482	20	—	—
286983 2002 QP_{38}	17.0	X	263.72502	108.69433	167.41504	6.11626	0.1242250	0.25318884	2.4746076	20	2 9.7	20.7
286984 2002 QD_{42}	16.3	X	39.99055	21.97568	336.43484	12.52693	0.2323979	0.23203481	2.6228127	20	—	—
286985 2002 QG_{44}	16.1	X	41.01779	280.89137	102.24297	8.89971	0.1284580	0.23468567	2.6030250	20	—	—
286986 2002 QX_{44}	16.9	X	128.71806	240.90893	70.56369	4.70435	0.1580458	0.23868993	2.5738307	20	—	—
286987 2002 QC_{48}	15.8	X	76.81766	201.91291	117.50311	5.69074	0.1104347	0.17798978	3.1299640	20	12 14.6	20.5
286988 2002 QW_{49}	16.8	X	321.67571	231.06430	152.21052	3.14381	0.1186681	0.22156913	2.7047671	20	10 3.8	19.7
286989 2002 QS_{51}	16.1	X	227.22270	199.98387	150.09848	7.27533	0.0750355	0.20377263	2.8600402	20	4 14.8	20.4
286990 2002 QP_{52}	16.8	X	31.93831	298.52810	108.93432	3.52715	0.0989251	0.23656737	2.5892033	20	—	—
286991 2002 QU_{53}	16.6	X	26.82141	259.17921	344.00466	12.54484	0.1560301	0.21461646	2.7628716	20	7 17.9	19.9
286992 2002 QJ_{54}	16.6	X	91.48961	321.56753	321.93187	8.56693	0.1061124	0.22791354	2.6543364	20	11 24.2	20.7
286993 2002 QK_{54}	17.8	X	310.03500	8.39623	296.87965	1.89805	0.1860408	0.26680935	2.3896558	20	5 9.8	20.4
286994 2002 QN_{54}	17.3	X	37.32649	51.79772	0.10340	4.54672	0.1740003	0.23673390	2.5879889	20	—	—
286995 2002 QV_{54}	16.2	X	264.29790	102.72555	347.73621	12.32881	0.0812320	0.22382786	2.6865398	20	10 4.3	19.8
286996 2002 QT_{56}	17.8	X	234.62127	247.53474	94.94907	2.44564	0.1824356	0.25903168	2.4372540	20	4 1.0	21.5
286997 2002 QK_{59}	16.9	X	331.62771	34.15616	307.07398	6.50865	0.0663278	0.21864007	2.7288702	20	8 21.2	20.1
286998 2002 QT_{59}	17.7	X	157.68518	4.78468	288.80653	6.53008	0.1061597	0.29678317	2.2259216	20	—	—
286999 2002 QF_{60}	16.6	X	315.79731	86.64964	282.44487	7.50581	0.1120591	0.21973292	2.7198145	20	8 29.1	19.8
287000 2002 QS_{62}	16.8	X	359.55789	103.20822	300.84746	1.42988	0.2114848	0.22985776	2.6393477	20	—	—
287001 2002 QA_{66}	17.7	X	74.33811	247.90961	6.70807	2.20075	0.1882958	0.28047816	2.3113729	20	10 19.2	20.8
287002 2002 QK_{66}	16.6	X	213.62754	4.98787	350.50789	1.54967	0.0823073	0.20322229	2.8652014	20	4 3.5	20.8
287003 2002 QY_{66}	16.5	X	307.55658	265.85600	93.44975	3.66573	0.1883814	0.21682001	2.7441202	20	7 25.1	19.4
287004 2002 QP_{68}	16.6	X	294.81730	237.79364	150.45241	5.75760	0.0291208	0.21992412	2.7182380	20	9 4.8	20.1
287005 2002 QJ_{69}	16.2	X	132.94053	124.27911	138.26224	4.30839	0.1414614	0.17846573	3.1243966	20	12 4.8	21.3
287006 2002 QD_{72}	16.9	X	279.25389	326.82986	14.37937	3.09274	0.1453567	0.21090852	2.7951598	20	5 22.4	20.6
287007 2002 QN_{72}	16.0	X	33.12001	264.05543	135.28285	10.83458	0.0649162	0.18124561	3.0923672	20	—	—
287008 2002 QD_{75}	15.9	X	70.21807	6.75760	18.56724	5.24844	0.1421291	0.18376313	3.0640591	20	—	—
287009 2002 QV_{75}	16.3	X	351.41078	299.99210	127.58355	14.85006	0.0484708	0.23399092	2.6081749	20	—	—
287010 2002 QQ_{76}	17.3	X	117.50027	87.69872	117.20164	5.23825	0.0872307	0.27705621	2.3303660	20	9 23.9	20.5
287011 2002 QH_{80}	16.6	X	57.40932	278.19834	301.91955	5.38685	0.1617950	0.27170499	2.3608640	20	8 6.3	19.4
287012 2002 QF_{81}	16.9	X	28.71065	284.19616	324.59238	7.89378	0.2281485	0.21807688	2.7335665	20	8 7.4	19.8
287013 2002 QQ_{82}	16.1	X	126.17053	3.01787	290.36671	7.92987	0.0907015	0.18098679	3.0953146	20	—	—
287014 2002 QU_{82}	16.9	X	45.62761	105.24346	216.06788	2.67700	0.1570678	0.22814440	2.6525455	20	11 28.5	20.4
287015 2002 QJ_{83}	16.7	X	173.26625	9.88892	211.22987	3.13893	0.1348331	0.23426955	2.6061065	20	12 1.9	20.7
287016 2002 QK_{85}	16.8	X	344.51804	74.95869	300.92716	5.16777	0.0809200	0.22584242	2.6705397	20	10 29.4	20.0
287017 2002 QL_{85}	16.6	X	343.40668	83.63687	284.72157	3.45528	0.1117418	0.22428374	2.6828982	20	10 19.2	19.5
287018 2002 QV_{85}	16.1	X	95.35497	123.74467	155.96451	10.65918	0.2228249	0.17599058	3.1536229	20	11 28.0	21.4
287019 2002 QZ_{86}	17.2	X	93.79570	276.62936	96.94556	2.22046	0.1358995	0.24014719	2.5634079	20	—	—
287020 2002 QH_{87}	16.0	X	163.15453	264.42466	359.50792	8.19569	0.1150801	0.18116491	3.0932855	20	—	—
287021 2002 QL_{87}	16.9	X	347.71739	316.27482	26.49292	2.62349	0.1041390	0.22015464	2.7163401	20	9 21.9	19.9
287022 2002 QR_{89}	16.9	X	194.81540	207.36030	180.35552	1.90560	0.0783604	0.20384051	2.8594053	20	4 24.4	21.1
287023 2002 QO_{91}	16.5	X	96.81477	50.20926	202.75647	11.25864	0.0774031	0.22815705	2.6524475	20	10 22.8	20.2
287024 2002 QP_{91}	16.1	X	339.81128	234.19908	260.96762	8.82777	0.0444425	0.18913315	3.0057830	20	—	—
287025 2002 QZ_{91}	17.4	X	0.22608	346.15940	44.78387	6.75434	0.0879086	0.28403062	2.2920598	20	—	—
287026 2002 QU_{92}	17.5	X	315.15512	256.70537	107.57441	6.70308	0.1405329	0.27366546	2.3495754	20	9 3.9	19.6
287027 2002 QF_{94}	14.6	X	158.40256	282.32882	259.96384	16.83352	0.0717605	0.16961490	3.2321640	20	9 15.0	19.9
287028 2002 QG_{96}	16.2	X	339.63360	266.66391	122.24027	12.38663	0.0984593	0.22748167	2.6576948	20	11 16.7	19.5
287029 2002 QT_{98}	16.9	X	265.68908	150.39551	71.96009	5.51547	0.0877152	0.24617551	2.5213868	20	—	—
287030 2002 QP_{102}	15.5	X	50.81004	218.49245	128.05033	10.69374	0.0982288	0.17669610	3.1452227	20	12 16.4	20.1
287031 2002 QT_{104}	16.2	X	214.70556	276.14344	196.41793	7.47093	0.1926315	0.21916311	2.7245268	20	8 21.3	20.6
287032 2002 QH_{107}	17.4	X	132.96295	322.47622	298.50706	5.03377	0.1233097	0.28970181	2.2620485	20	12 22.6	20.7
287033 2002 QA_{108}	16.2	X	30.54458	227.12645	325.14864	8.04268	0.0149278	0.20620183	2.8375338	20	4 22.6	20.1
287034 2002 QS_{108}	16.4	X	295.99751	128.10612	239.41187	4.80279	0.0499419	0.21694401	2.7430745	20	8 3.8	20.0
287035 2002 QQ_{109}	16.1	X	174.06661	78.47443	318.59625	5.52524	0.0748942	0.20347933	2.8627879	20	4 10.7	20.6
287036 2002 QU_{110}	17.1	X	5.69120	176.22056	187.96395	1.67049	0.1099343	0.22781618	2.6550926	20	11 22.1	20.2
287037 2002 QU_{112}	17.3	X	166.51797	67.71417	247.94296	3.63019	0.0223430	0.24528340	2.5274968	20	—	—
287038 2002 QT_{113}	15.9	X	191.97851	36.01172	199.23985	11.60784	0.0976667	0.18238025	3.0795281	20	12 28.5	20.7
287039 2002 QQ_{115}	16.6	X	248.85796	43.66139	28.70606	2.03240	0.0539622	0.21883752	2.7272285	20	8 28.4	20.4
287040 2002 QS_{115}	17.1	X	307.77790	79.75254	329.30831	5.06348	0.1076183	0.22523216	2.6753614	20	10 13.6	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287041 2002 QX_{115}	16.1	X	175.86534	24.86794	155.54368	12.48546	0.0898434	0.22556700	2.6727131	20	10 20.1	20.2
287042 2002 QZ_{115}	16.2	X	178.86301	280.27880	297.32319	8.09519	0.0693579	0.17789249	3.1311050	20	11 25.6	21.1
287043 2002 QA_{118}	16.3	X	171.03664	139.52573	140.35371	2.97290	0.1395513	0.18737409	3.0245657	20	—	—
287044 2002 QJ_{121}	15.1	X	139.37471	246.55980	324.18051	17.69166	0.1336157	0.17112092	3.2131721	20	10 1.2	20.5
287045 2002 QV_{122}	15.8	X	38.63047	133.41834	203.48469	11.16104	0.0874796	0.17258194	3.1950119	20	11 17.8	20.2
287046 2002 QC_{123}	15.7	X	96.01690	61.67575	277.92664	8.19652	0.0642435	0.18143645	3.0901983	20	—	—
287047 2002 QJ_{123}	15.1	X	171.94033	302.85570	152.48310	10.84864	0.0872891	0.15379291	3.4502072	20	6 23.1	20.5
287048 2002 QS_{125}	16.7	X	351.89976	51.73910	297.11576	5.13419	0.0260479	0.22317169	2.6918033	20	9 29.7	20.2
287049 2002 QX_{127}	16.5	X	339.18754	320.54009	80.25783	3.69384	0.0862631	0.22794077	2.6541250	20	11 27.1	19.4
287050 2002 QL_{128}	16.6	X	318.54045	61.84489	347.08796	12.94441	0.1748843	0.22445138	2.6815621	20	10 25.9	19.5
287051 2002 QS_{129}	16.7	X	255.20703	267.84496	136.75287	6.59506	0.0285664	0.21640422	2.7476341	20	8 2.1	20.3
287052 2002 QV_{130}	16.4	X	193.91880	297.91840	117.99185	4.86465	0.0842515	0.20828133	2.8186154	20	5 29.3	20.7
287053 2002 QT_{131}	17.2	X	352.78696	302.13722	6.97882	4.22334	0.0674996	0.21787068	2.7352909	20	8 13.0	20.4
287054 2002 QS_{133}	16.4	X	89.43230	44.83664	324.93797	8.14362	0.1439997	0.18490773	3.0514014	20	—	—
287055 2002 QR_{134}	16.4	X	43.87081	315.05423	113.63508	6.45806	0.1318367	0.18503455	3.0500069	20	—	—
287056 2002 QY_{134}	16.6	X	337.28467	247.00751	93.09716	5.80965	0.1220355	0.22006953	2.7170405	20	9 1.7	19.5
287057 2002 RG	17.0	X	341.77799	97.11972	212.46243	13.30217	0.2905286	0.21633988	2.7481788	20	7 12.4	19.3
287058 2002 RH	16.4	X	82.42110	88.65638	205.90095	12.49606	0.1508165	0.22795142	2.6540424	20	12 4.9	20.6
287059 2002 RF_{1}	16.5	X	357.15411	345.17005	332.21938	8.91379	0.1812950	0.21810752	2.7333104	20	9 5.7	19.2
287060 2002 RB_{4}	17.1	X	288.89974	92.04943	206.48586	11.55544	0.1807299	0.26304343	2.4124097	20	3 30.2	20.4
287061 2002 RL_{4}	16.5	X	0.88723	96.85211	245.41433	11.73976	0.2097641	0.22223083	2.6993955	20	10 23.4	19.3
287062 2002 RC_{11}	16.2	X	339.90517	27.52361	336.50098	12.14750	0.1872963	0.22175606	2.7032469	20	10 5.2	19.0
287063 2002 RR_{11}	16.7	X	67.29024	346.49951	343.11594	7.79254	0.2116903	0.23048363	2.6345675	20	—	—
287064 2002 RJ_{12}	15.9	X	13.44399	338.98396	349.53721	10.03813	0.1448210	0.22143325	2.7058735	20	10 16.1	19.2
287065 2002 RU_{15}	17.2	X	294.68200	173.01678	183.62006	4.69508	0.1996426	0.26873290	2.3782390	20	6 28.5	19.8
287066 2002 RP_{19}	16.5	X	339.90884	292.65893	22.99844	7.40108	0.1246449	0.27005593	2.3704651	20	8 8.8	18.8
287067 2002 RG_{20}	16.9	X	289.55452	320.86924	41.16943	4.16026	0.1959714	0.26795542	2.3828371	20	6 29.2	19.6
287068 2002 RO_{23}	16.4	X	7.02231	125.72657	164.50278	3.77467	0.1726099	0.21734871	2.7396684	20	8 16.2	19.2
287069 2002 RH_{24}	17.6	X	17.11168	19.68690	291.38108	1.12250	0.2460817	0.27748547	2.3279620	20	10 31.2	19.9
287070 2002 RW_{27}	17.3	X	109.69951	192.30572	139.96667	7.25018	0.2503132	0.29307634	2.2446513	20	—	—
287071 2002 RZ_{28}	15.8	X	43.21587	45.27488	238.30078	11.55832	0.1514488	0.22306410	2.6926687	20	10 1.5	19.4
287072 2002 RN_{29}	16.0	X	325.36520	90.57971	272.32083	3.79860	0.1771416	0.21881096	2.7274492	20	9 4.1	18.7
287073 2002 RA_{33}	17.8	X	63.29554	74.46941	276.66496	1.71529	0.1884361	0.28763664	2.2728629	20	—	—
287074 2002 RC_{34}	18.2	X	237.79165	336.41810	19.30181	3.07787	0.1628548	0.31536234	2.1376150	20	4 18.4	21.2
287075 2002 RH_{36}	16.9	X	234.75388	161.96881	175.25245	15.97808	0.0857415	0.25800993	2.4436843	20	4 1.7	20.3
287076 2002 RX_{37}	16.8	X	335.33727	114.26739	221.05646	2.52167	0.2030606	0.21778712	2.7359906	20	8 14.5	19.3
287077 2002 RV_{38}	15.7	X	313.23509	245.70827	174.86993	13.66258	0.0728650	0.22676561	2.6632867	20	11 14.9	19.1
287078 2002 RX_{38}	16.2	X	356.75780	109.34182	176.57441	12.38490	0.1492351	0.21559482	2.7545067	20	7 16.0	19.4
287079 2002 RE_{39}	16.8	X	275.17699	73.00241	295.97800	3.94369	0.1552451	0.26813094	2.3817971	20	6 24.2	19.6
287080 2002 RF_{48}	17.1	X	306.50207	4.81363	19.83216	2.59897	0.2101441	0.27309600	2.3528405	20	9 7.8	18.9
287081 2002 RG_{51}	15.4	X	354.47797	359.28078	3.69373	28.74390	0.1485096	0.22205119	2.7008511	20	10 22.1	18.8
287082 2002 RS_{56}	16.0	X	24.81953	132.97292	189.30329	7.81505	0.2631620	0.22332752	2.6905510	20	11 18.8	19.3
287083 2002 RH_{57}	16.4	X	81.71183	40.48536	288.13357	3.44636	0.2090370	0.23239928	2.6200698	20	—	—
287084 2002 RW_{57}	16.9	X	134.92760	114.24273	221.66843	4.66338	0.2295720	0.24159485	2.5531575	20	—	—
287085 2002 RN_{69}	17.1	X	268.41564	48.68460	2.80686	5.04008	0.2273955	0.26957604	2.3732775	20	8 4.9	20.0
287086 2002 RO_{69}	17.4	X	289.84281	330.65707	16.32204	2.63142	0.2372370	0.26679937	2.3897154	20	5 30.1	20.3
287087 2002 RQ_{71}	16.3	X	358.64979	197.67194	184.45935	4.64761	0.1702101	0.22658618	2.6646926	20	12 12.8	19.3
287088 2002 RJ_{73}	16.7	X	66.64647	190.38476	182.58033	4.29629	0.2096801	0.23562642	2.5960919	20	—	—
287089 2002 RB_{76}	16.0	X	273.82620	274.30951	166.77113	13.29829	0.2387246	0.21957981	2.7210787	20	9 14.1	19.3
287090 2002 RF_{77}	17.7	X	140.70447	32.23833	335.99963	6.34069	0.2764728	0.24610294	2.5218825	20	2 17.6	21.8
287091 2002 RG_{82}	16.1	X	350.44253	158.56583	191.87050	4.53960	0.1260083	0.22022668	2.7157477	20	10 8.3	18.8
287092 2002 RN_{85}	15.5	X	289.76902	220.30894	178.46533	25.63290	0.1625434	0.21571247	2.7535051	20	8 20.2	19.1
287093 2002 RG_{87}	16.5	X	309.93516	353.68736	359.56577	9.96562	0.2748988	0.21402555	2.7679547	20	7 7.3	19.6
287094 2002 RZ_{97}	16.6	X	73.57923	32.38100	1.46681	12.75115	0.2815554	0.23630178	2.5911430	20	—	—
287095 2002 RF_{109}	17.6	X	119.33393	180.90008	196.40811	7.73627	0.2447820	0.24407586	2.5358263	20	2 2.6	21.3
287096 2002 RT_{110}	17.0	X	239.16492	22.21365	311.82640	6.01281	0.1455706	0.25780252	2.4449948	20	3 24.2	20.7
287097 2002 RE_{113}	17.6	X	33.47317	67.85480	231.65946	3.13056	0.1742650	0.27830258	2.3234031	20	10 27.6	20.4
287098 2002 RW_{125}	16.5	X	30.47876	164.32715	133.35421	14.95535	0.2497033	0.22376356	2.6870545	20	10 28.5	20.2
287099 2002 RK_{127}	16.1	X	267.95773	199.61716	214.62147	13.25769	0.0994237	0.21832745	2.7314746	20	8 16.8	20.1
287100 2002 RN_{135}	16.9	X	350.77864	171.14667	124.16302	6.31346	0.1794308	0.27056799	2.3674734	20	7 27.4	18.6
287101 2002 RL_{141}	16.2	X	19.86761	150.32911	207.92628	5.98093	0.3052409	0.22604340	2.6689565	20	—	—
287102 2002 RC_{144}	17.4	X	279.06008	32.18677	283.23467	3.02886	0.2249833	0.26196694	2.4190141	20	4 3.6	20.8
287103 2002 RA_{147}	18.1	X	243.89661	142.52974	185.07533	1.23810	0.1922272	0.25757979	2.4464041	20	3 20.1	22.0
287104 2002 RD_{150}	16.3	X	319.26018	136.76652	240.46306	4.77155	0.2448532	0.21808484	2.7334999	20	9 5.2	18.8
287105 2002 RF_{150}	16.1	X	15.38962	208.24461	195.74634	12.57467	0.1345799	0.23078654	2.6322617	20	—	—
287106 2002 RV_{150}	17.5	X	21.60647	62.34405	177.78784	20.45618	0.0201266	0.37725464	1.8969082	20	6 22.8	19.8
287107 2002 RX_{152}	15.4	X	73.44329	166.89088	303.81543	8.80441	0.0513007	0.19488761	2.9463199	20	3 10.6	19.6
287108 2002 RZ_{153}	17.5	X	108.19332	78.64298	317.69933	0.81785	0.2461486	0.24287065	2.5442085	20	2 16.6	20.9
287109 2002 RE_{155}	15.8	X	22.61259	92.50628	340.72287	9.23000	0.0713241	0.18216306	3.0819754	20	—	—
287110 2002 RC_{160}	17.3	X	186.82798	20.71834	354.70889	2.27766	0.1960646	0.25454327	2.4658215	20	3 29.4	21.4
287111 2002 RJ_{160}	15.2	X	129.97902	261.02535	345.48385	24.02639	0.2895363	0.17635669	3.1492570	20	11 7.1	21.2
287112 2002 RG_{161}	16.6	X	123.41811	57.53464	163.96230	6.73737	0.0548298	0.27853204	2.3221269	20	10 21.3	19.7
287113 2002 RE_{162}	16.4	X	161.57046	11.82762	290.72658	0.96692	0.2053553	0.18666703	3.0321986	20	—	—
287114 2002 RT_{163}	16.4	X	6.51405	142.77598	170.74239	13.11140	0.1452178	0.21936142	2.7228845	20	9 16.7	19.4
287115 2002 RK_{165}	16.8	X	352.72464	53.95448	311.85471	7.75839	0.1900629	0.22456605	2.6806492	20	11 7.6	19.6
287116 2002 RS_{165}	17.0	X	76.53638	28.83282	236.78840	1.08995	0.2855053	0.22633908	2.6666316	20	11 6.0	21.4
287117 2002 RG_{166}	18.0	X	356.95340	94.16256	223.15647	0.30044	0.2029640	0.27420089	2.3465158	20	9 22.4	19.6
287118 2002 RJ_{176}	17.2	X	125.33185	156.24260	199.31050	5.91206	0.1171932	0.24248921	2.5468758	20	—	—
287119 2002 RD_{177}	16.6	X	280.25259	181.07553	213.30818	4.41954	0.1050646	0.21518646	2.7579904	20	8 9.5	20.1
287120 2002 RW_{177}	16.4	X	332.71423	321.12636	345.50469	14.89131	0.1813691	0.21290443	2.7776632	20	6 29.2	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287121 2002 RM_{180}	16.7	X	29.98590	36.47505	337.25663	1.20778	0.0963591	0.22891551	2.6465853	20	—	—
287122 2002 RU_{181}	17.4	X	173.75572	207.62411	178.61067	22.50605	0.0854939	0.36444246	1.9411096	20	3 18.5	19.6
287123 2002 RR_{182}	16.3	X	148.01872	61.03931	260.42571	9.69039	0.1337471	0.24139867	2.5545405	20	—	—
287124 2002 RO_{183}	16.0	X	346.88030	55.31996	289.88785	12.56856	0.0955346	0.21851685	2.7298960	20	9 14.7	19.5
287125 2002 RT_{183}	16.7	X	304.90042	352.36592	299.89737	12.46203	0.2813759	0.26326650	2.4110469	20	3 20.9	20.2
287126 2002 RU_{184}	17.4	X	317.36844	93.05678	208.01101	13.02326	0.2558587	0.26661470	2.3908187	20	5 5.8	19.6
287127 2002 RZ_{184}	16.0	X	291.90731	198.50082	229.77492	9.19664	0.3079658	0.21875658	2.7279012	20	9 9.2	19.0
287128 2002 RV_{185}	16.1	X	288.89880	165.36179	214.44120	12.83812	0.1812443	0.21383093	2.7696339	20	7 19.1	19.9
287129 2002 RW_{187}	16.7	X	55.84677	32.90303	332.92514	2.57304	0.0570285	0.23321152	2.6139828	20	—	—
287130 2002 RK_{188}	17.2	X	68.70293	336.84329	11.18227	1.87334	0.2018193	0.23269304	2.6178642	20	—	—
287131 2002 RD_{191}	16.5	X	84.57728	335.94784	352.94826	14.03384	0.1905339	0.23443352	2.6048911	20	—	—
287132 2002 RZ_{192}	17.4	X	282.98658	292.58927	8.72353	3.83803	0.1175530	0.26054093	2.4278326	20	4 6.1	20.5
287133 2002 RC_{193}	16.6	X	76.61548	309.63238	14.60418	3.39607	0.1140157	0.23146954	2.6270811	20	—	—
287134 2002 RF_{196}	16.7	X	58.02621	209.97928	118.03114	2.95830	0.0667360	0.22859146	2.6490860	20	12 9.5	20.2
287135 2002 RG_{198}	17.2	X	139.47686	328.57626	19.52495	4.37947	0.2286773	0.24378953	2.5378114	20	1 19.6	21.1
287136 2002 RP_{201}	17.2	X	284.53090	342.99226	6.12745	1.55835	0.1973077	0.26715385	2.3876010	20	6 1.4	19.9
287137 2002 RV_{201}	17.0	X	317.53596	328.17227	16.01583	6.81200	0.1006978	0.27109954	2.3643777	20	8 10.6	19.4
287138 2002 RH_{203}	15.2	X	76.36385	147.28087	333.64043	9.80487	0.0415321	0.19709825	2.9242480	20	3 26.4	19.3
287139 2002 RJ_{207}	17.1	X	69.77430	76.57215	330.80540	5.65845	0.0342720	0.29632456	2.2282177	20	—	—
287140 2002 RZ_{207}	17.0	X	259.21214	313.51339	2.03841	5.52316	0.1272671	0.25872352	2.4391890	20	3 26.1	20.4
287141 2002 RS_{208}	17.2	X	164.71926	113.71059	187.69406	1.23156	0.0549367	0.23962894	2.5671025	20	—	—
287142 2002 RY_{213}	17.0	X	115.14186	319.30033	39.90158	5.04493	0.1967784	0.24145592	2.5541367	20	1 2.3	20.3
287143 2002 RS_{214}	16.8	X	121.09113	311.20172	17.37342	13.06602	0.1896015	0.23892381	2.5721508	20	—	—
287144 2002 RL_{220}	16.6	X	68.11272	175.53531	135.49804	6.88852	0.0969369	0.22869072	2.6483193	20	12 4.9	20.5
287145 2002 RM_{220}	17.5	X	252.23915	287.95302	49.03931	3.43933	0.1923214	0.26066999	2.4270312	20	4 9.7	21.2
287146 2002 RA_{226}	16.9	X	121.41986	71.61117	279.15238	3.27240	0.0849663	0.24059630	2.5602169	20	—	—
287147 2002 RK_{226}	17.2	X	84.74599	50.58293	334.29231	10.46351	0.1446458	0.23992008	2.5650253	20	—	—
287148 2002 RS_{226}	16.4	X	287.45885	250.11691	178.23508	8.98269	0.0796852	0.22236260	2.6983289	20	10 13.6	19.7
287149 2002 RM_{228}	16.7	X	29.19782	328.41543	38.07627	8.29820	0.1734631	0.22932810	2.6434101	20	—	—
287150 2002 RV_{228}	16.4	X	163.65533	218.77348	67.99993	7.01948	0.1590214	0.24083416	2.5585309	20	—	—
287151 2002 RN_{231}	16.9	X	81.25728	133.87948	190.45984	3.42526	0.0704818	0.23184497	2.6242443	20	—	—
287152 2002 RU_{231}	16.5	X	50.62663	107.19614	185.92704	5.75318	0.1153328	0.22332865	2.6905419	20	10 23.5	20.0
287153 2002 RF_{233}	16.1	X	122.64765	258.03380	337.00216	10.24417	0.1512593	0.22743827	2.6580329	20	10 27.1	20.6
287154 2002 RN_{233}	17.1	X	85.72004	125.12465	170.28653	3.96574	0.0913902	0.22955344	2.6416798	20	12 4.2	21.0
287155 2002 RB_{234}	16.9	X	62.58110	358.79837	341.91420	1.45906	0.1109135	0.23195907	2.6233837	20	—	—
287156 2002 RQ_{234}	16.2	X	42.14628	6.00682	343.22164	10.17946	0.0768504	0.17444204	3.1722588	20	12 3.1	20.8
287157 2002 RD_{235}	17.0	X	260.04855	225.89279	198.55425	6.35823	0.0243099	0.21748904	2.7384899	20	9 3.5	20.7
287158 2002 RN_{235}	16.0	X	159.70382	76.87970	319.97296	2.58120	0.0752706	0.19919079	2.9037321	20	3 27.8	20.4
287159 2002 RP_{235}	17.4	X	328.00119	8.62968	263.29786	0.69589	0.1548373	0.26458157	2.4030510	20	4 27.5	19.8
287160 2002 RD_{238}	16.3	X	219.64408	232.01118	124.84306	2.78670	0.0661491	0.20251385	2.8718796	20	4 14.3	20.5
287161 2002 RE_{240}	17.2	X	95.46421	270.16093	86.21707	2.60606	0.1626663	0.23906846	2.5711132	20	—	—
287162 2002 RL_{240}	16.1	X	153.26070	124.65444	149.48138	12.14581	0.2465875	0.18382013	3.0634255	20	—	—
287163 2002 RQ_{244}	16.8	X	103.88568	313.61251	334.24193	10.89205	0.1759224	0.23329421	2.6133651	20	12 18.9	21.2
287164 2002 RW_{246}	17.1	X	128.13101	265.95288	332.31741	6.76466	0.0743652	0.28419064	2.2911993	20	11 15.1	20.4
287165 2002 RF_{247}	17.5	X	300.63303	249.81124	122.24222	1.74963	0.2231080	0.27208738	2.3586516	20	7 31.1	19.2
287166 2002 RR_{248}	17.7	X	60.50168	262.01037	161.86254	4.57913	0.1286465	0.29747885	2.2224499	20	—	—
287167 2002 RJ_{251}	16.8	X	5.67751	61.01191	315.65584	2.33078	0.1166126	0.22810689	2.6528363	20	12 9.0	19.9
287168 2002 RR_{251}	16.4	X	337.04991	60.23973	315.42437	10.14343	0.2699056	0.22021304	2.7158599	20	10 19.6	18.6
287169 2002 RK_{253}	16.4	X	325.03699	44.60592	326.97986	5.54132	0.0412445	0.21987632	2.7186319	20	9 22.3	19.8
287170 2002 RV_{253}	16.8	X	319.50456	184.94487	283.66709	1.19712	0.0900302	0.23360709	2.6110310	20	—	—
287171 2002 RD_{254}	16.8	X	11.33019	96.15032	173.79629	15.29524	0.1779275	0.21525941	2.7573673	20	7 23.8	19.9
287172 2002 RM_{254}	16.4	X	330.65549	145.35443	339.12437	9.42326	0.0847232	0.18258142	3.0772657	20	—	—
287173 2002 RZ_{254}	17.4	X	191.53513	236.04025	198.00037	1.09720	0.1839355	0.26189372	2.4194649	20	6 16.1	21.3
287174 2002 RC_{259}	15.9	X	56.23701	132.08221	339.26944	4.70398	0.1676860	0.19113993	2.9847075	20	3 5.7	19.3
287175 2002 RR_{261}	16.5	X	103.47561	26.75254	234.69737	5.44969	0.1158278	0.22683618	2.6627343	20	11 11.9	20.5
287176 2002 RK_{263}	16.8	X	89.12294	4.72546	221.32516	5.73518	0.0022426	0.21631435	2.7483951	20	8 25.1	20.6
287177 2002 RW_{266}	16.1	X	90.50619	253.62518	332.07566	12.89030	0.0627462	0.21840326	2.7308424	20	9 4.9	20.0
287178 2002 RQ_{267}	15.4	X	25.92930	309.67950	119.94765	11.91881	0.0114471	0.18227617	3.0807003	20	—	—
287179 2002 RV_{267}	16.2	X	245.38890	211.29598	222.16922	8.79709	0.1391867	0.21491813	2.7602856	20	8 8.4	20.4
287180 2002 RF_{269}	17.4	X	71.22943	219.18442	341.92167	4.50338	0.0926442	0.26879313	2.3778837	20	7 19.5	20.4
287181 2002 RT_{270}	17.3	X	317.97593	169.16595	206.82006	1.58564	0.1448484	0.22014670	2.7164054	20	9 12.8	20.1
287182 2002 RY_{271}	16.1	X	125.77055	11.83898	332.61225	8.23580	0.1296753	0.18703969	3.0281697	20	—	—
287183 2002 RE_{272}	16.3	X	352.10579	22.45372	329.34957	4.87661	0.0781928	0.22297614	2.6933769	20	10 7.9	19.7
287184 2002 RW_{272}	16.4	X	0.76245	338.78382	334.70766	8.92454	0.0784576	0.21902799	2.7256472	20	8 30.9	19.5
287185 2002 RB_{273}	17.3	X	244.32519	274.82661	166.81122	5.30983	0.0964251	0.27400607	2.3476279	20	9 3.2	20.2
287186 2002 RW_{282}	16.7	X	59.18305	260.40832	350.64042	3.16107	0.0482518	0.21469963	2.7621580	20	8 28.4	20.4
287187 2002 RA_{291}	15.9	X	2.49417	211.32963	126.94023	12.78739	0.1932180	0.22263789	2.6961042	20	10 27.6	19.0
287188 2002 SE	15.6	X	276.45889	255.14500	14.92769	10.21952	0.0308035	0.19743121	2.9209593	20	3 9.6	19.7
287189 2002 SX_{3}	17.8	X	325.35845	22.75409	359.19101	2.83495	0.1841683	0.27488476	2.3426223	20	10 21.8	19.4
287190 2002 SL_{4}	17.5	X	211.30531	55.71239	309.31678	17.75948	0.0798639	0.36759603	1.9299920	20	3 22.2	20.2
287191 2002 SD_{5}	16.5	X	314.37900	173.52026	181.70549	8.52339	0.2432430	0.21464336	2.7626407	20	7 21.4	19.3
287192 2002 SP_{11}	15.8	X	105.81088	241.27984	22.95570	14.70289	0.1511025	0.22540219	2.6740157	20	11 16.2	20.2
287193 2002 SF_{15}	15.1	X	54.31197	143.10898	226.20275	21.98764	0.2424419	0.17644464	3.1482103	20	—	—
287194 2002 SA_{17}	16.9	X	81.08456	168.09745	188.59916	3.92651	0.1626076	0.23410323	2.6073407	20	—	—
287195 2002 SW_{19}	15.9	X	3.50152	288.07012	16.92363	30.72471	0.3835358	0.22054503	2.7131338	20	10 7.5	17.9
287196 2002 SE_{22}	15.9	X	102.97350	258.09613	90.12927	1.79627	0.2430725	0.18174789	3.0866672	20	—	—
287197 2002 SK_{23}	16.5	X	41.78873	354.75397	36.37577	5.90279	0.1096457	0.23224059	2.6212632	20	—	—
287198 2002 SM_{23}	17.6	X	301.48994	311.59655	40.31701	2.94925	0.2289265	0.26814090	2.3817381	20	6 28.7	20.0
287199 2002 SR_{23}	17.4	X	194.23262	223.07691	162.78544	3.58475	0.2044324	0.25489001	2.4635847	20	4 19.0	21.5
287200 2002 SF_{24}	17.2	X	359.42781	153.07665	233.58300	0.48305	0.2180854	0.22512506	2.6762098	20	12 26.6	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287201 2002 SW_{27}	15.6	X	102.44358	123.24547	181.04926	15.97297	0.2205108	0.17615021	3.1517174	20	12 28.3	21.1
287202 2002 SY_{31}	16.4	X	297.09781	330.54394	74.16447	5.07397	0.2855167	0.21610395	2.7501787	20	8 26.6	19.3
287203 2002 SW_{32}	15.9	X	288.60925	30.21070	349.03777	7.52225	0.2315640	0.21240559	2.7820105	20	7 14.8	19.4
287204 2002 SW_{34}	16.2	X	58.70234	324.24462	32.24681	10.21529	0.1090336	0.23149640	2.6268779	20	—	—
287205 2002 SP_{43}	16.8	X	22.27839	274.42341	46.44131	6.97317	0.1743845	0.27666723	2.3325497	20	11 10.2	19.3
287206 2002 SK_{44}	16.8	X	236.36441	17.91776	43.16220	5.73761	0.1977153	0.26422317	2.4052235	20	7 12.9	20.3
287207 2002 ST_{44}	14.8	X	84.81117	4.74723	358.01428	2.48573	0.2308713	0.12258227	4.0134477	20	—	—
287208 2002 SQ_{53}	16.9	X	131.23477	23.16067	299.81036	10.06448	0.1856492	0.29356916	2.2421385	20	—	—
287209 2002 SQ_{54}	15.6	X	78.68963	52.40295	329.17961	10.27874	0.1914487	0.18281018	3.0746980	20	—	—
287210 2002 SK_{65}	16.7	X	104.04663	132.94009	141.57951	13.35502	0.2510278	0.23116067	2.6294208	20	12 8.4	21.5
287211 2002 SY_{65}	16.6	X	84.01888	323.98424	108.58556	4.97029	0.1972570	0.24586524	2.5235077	20	2 25.8	19.4
287212 2002 SS_{67}	17.2	X	278.19221	225.43005	141.67687	1.06266	0.1395796	0.21065195	2.7974289	20	6 26.2	20.9
287213 2002 SN_{68}	16.9	X	327.54307	102.80652	274.72830	0.50616	0.0956264	0.21981290	2.7191548	20	10 4.8	20.0
287214 2002 SL_{70}	16.6	X	221.50554	54.29947	14.98231	4.37059	0.0438721	0.21051130	2.7986748	20	7 21.2	20.5
287215 2002 SU_{70}	17.1	X	293.34268	10.59991	346.78090	3.52219	0.1137750	0.21404224	2.7678107	20	7 9.9	20.7
287216 2002 SW_{70}	16.2	X	61.45846	191.53122	162.60270	10.56763	0.1159783	0.17801689	3.1296462	20	—	—
287217 2002 SO_{71}	17.0	X	338.82355	354.74510	6.84889	9.04135	0.0324784	0.27491146	2.3424706	20	10 10.0	19.5
287218 2002 SB_{72}	16.9	X	234.87542	12.28002	171.18800	2.53151	0.0576395	0.23151977	2.6267011	20	—	—
287219 2002 SX_{72}	17.5	X	165.48029	327.45131	81.68059	3.23312	0.2031836	0.25510144	2.4622233	20	4 23.7	21.5
287220 2002 SY_{73}	15.4	X	166.74934	85.98658	124.65819	12.11126	0.0319252	0.17299992	3.1898636	20	11 10.7	20.2
287221 2002 TD_{4}	16.9	X	217.29451	208.68926	153.08120	3.55123	0.1920532	0.25542506	2.4601432	20	4 9.1	20.9
287222 2002 TM_{4}	16.3	X	309.32593	213.66454	186.96752	9.54711	0.2090694	0.21748012	2.7385647	20	9 24.7	18.9
287223 2002 TA_{11}	16.6	X	308.82860	87.00330	301.31500	10.84237	0.1822159	0.21875758	2.7278929	20	9 3.9	19.6
287224 2002 TN_{11}	16.5	X	34.43125	263.27007	103.69339	2.99079	0.1148130	0.22930000	2.6436260	20	—	—
287225 2002 TG_{12}	17.5	X	214.23750	245.21519	101.16492	2.68206	0.1929235	0.25419141	2.4680965	20	3 18.7	21.6
287226 2002 TM_{13}	16.5	X	321.72864	209.65481	167.37943	3.73991	0.2044004	0.21696162	2.7429261	20	9 17.8	19.1
287227 2002 TD_{16}	17.8	X	252.31764	92.44296	296.66932	0.45911	0.2002181	0.26471635	2.4022353	20	6 15.9	21.2
287228 2002 TJ_{16}	17.1	X	73.81570	215.70994	180.99499	11.67358	0.1872519	0.23759026	2.5817665	20	—	—
287229 2002 TE_{19}	17.5	X	201.17436	60.90563	330.81594	1.80975	0.2064758	0.25669604	2.4520158	20	4 30.3	21.7
287230 2002 TA_{21}	16.3	X	15.52145	292.68560	38.69997	6.54345	0.2532345	0.22161231	2.7044158	20	11 12.7	19.3
287231 2002 TT_{23}	16.8	X	26.28745	240.87614	183.23952	4.29021	0.2379023	0.23211163	2.6222340	20	—	—
287232 2002 TG_{24}	16.5	X	224.87838	304.96487	15.19385	11.68835	0.1919429	0.25201875	2.4822612	20	2 28.1	20.7
287233 2002 TJ_{30}	16.2	X	283.95937	157.11830	220.05989	3.55611	0.2119526	0.21049989	2.7987759	20	7 5.9	19.9
287234 2002 TR_{35}	16.3	X	3.06856	164.27608	187.74618	3.04184	0.1413436	0.22065136	2.7122620	20	11 3.9	19.3
287235 2002 TA_{36}	16.8	X	53.25487	18.73982	3.92586	1.83914	0.2268769	0.23176742	2.6248296	20	—	—
287236 2002 TB_{36}	16.4	X	271.66950	5.56074	14.22231	6.88509	0.1402452	0.20886986	2.8133183	20	7 5.2	20.3
287237 2002 TN_{42}	15.7	X	272.22442	27.51042	47.74885	10.94696	0.2901398	0.21343790	2.7730329	20	8 31.4	19.5
287238 2002 TJ_{44}	17.7	X	353.48038	320.61595	79.66800	2.43132	0.2416623	0.28162292	2.3051050	20	—	—
287239 2002 TP_{49}	16.1	X	249.39125	216.35244	206.01671	8.61212	0.1524054	0.20864627	2.8153277	20	7 28.2	20.4
287240 2002 TV_{51}	15.9	X	336.66044	317.07302	37.23822	19.95274	0.2807052	0.21543130	2.7559004	20	9 29.5	18.2
287241 2002 TA_{56}	17.8	X	19.85620	163.95777	253.02797	2.21490	0.1605174	0.28693682	2.2765570	20	—	—
287242 2002 TJ_{56}	16.8	X	298.55461	345.12535	13.31465	3.29130	0.2277615	0.21143577	2.7905110	20	6 30.6	20.0
287243 2002 TM_{63}	16.4	X	301.33665	183.97733	229.08050	4.52382	0.0658101	0.21926599	2.7236745	20	10 12.2	19.7
287244 2002 TN_{63}	16.3	X	4.26961	246.09000	206.25886	13.75479	0.1501824	0.23309986	2.6148174	20	—	—
287245 2002 TQ_{63}	17.1	X	165.40958	243.26312	214.27519	4.31629	0.1455000	0.25795057	2.4440592	20	6 21.9	20.8
287246 2002 TR_{63}	17.7	X	311.04553	226.99895	206.05064	4.58737	0.1862097	0.27730862	2.3289517	20	12 13.1	19.3
287247 2002 TJ_{67}	16.2	X	265.99177	68.42505	355.89822	7.31936	0.3073752	0.21133644	2.7913853	20	8 2.9	20.2
287248 2002 TW_{69}	16.3	X	307.24843	206.03547	168.41437	6.90572	0.1588317	0.21458786	2.7631170	20	8 18.1	19.5
287249 2002 TJ_{90}	15.6	X	103.69917	22.48989	352.25404	8.41931	0.1109120	0.18267493	3.0762155	20	1 6.9	19.9
287250 2002 TX_{95}	16.4	X	294.89878	39.77679	336.97794	8.85888	0.1843668	0.21310280	2.7759392	20	7 29.8	19.8
287251 2002 TO_{96}	16.9	X	129.97121	262.49842	18.19364	7.06423	0.1025081	0.28495990	2.2870740	20	—	—
287252 2002 TC_{100}	16.2	X	6.04490	37.35529	302.21039	10.62591	0.0694532	0.22250283	2.6971951	20	10 7.9	19.9
287253 2002 TS_{101}	16.9	X	59.07585	63.83356	345.20496	6.88918	0.0635469	0.29334944	2.2432579	20	—	—
287254 2002 TT_{101}	17.4	X	110.28531	71.45420	269.65172	2.55487	0.2024125	0.29306083	2.2447305	20	—	—
287255 2002 TH_{103}	15.6	X	76.42150	232.55538	218.59104	9.63359	0.1478963	0.18867622	3.0106338	20	3 4.7	19.6
287256 2002 TM_{114}	16.0	X	290.11801	101.17481	252.16473	7.69622	0.1770622	0.21041813	2.7995009	20	6 18.3	19.6
287257 2002 TW_{120}	17.6	X	281.30172	311.80421	8.07643	20.59146	0.0721781	0.37027303	1.9206784	20	4 23.7	19.7
287258 2002 TN_{123}	16.0	X	249.54586	142.88958	283.88905	6.87649	0.2102817	0.21216426	2.7841196	20	7 28.4	20.2
287259 2002 TC_{127}	16.0	X	354.76415	223.57643	229.97880	10.56394	0.1523459	0.23314011	2.6145165	20	—	—
287260 2002 TF_{129}	15.9	X	105.29175	78.54459	333.72969	10.84830	0.1265045	0.18914377	3.0056704	20	2 22.9	20.0
287261 2002 TB_{130}	15.7	X	293.36530	66.47538	339.14311	11.43774	0.1424166	0.21679199	2.7443568	20	9 9.6	18.8
287262 2002 TM_{139}	15.6	X	204.16469	163.79142	271.58827	6.97531	0.2393701	0.20288688	2.8683583	20	6 25.5	20.5
287263 2002 TA_{145}	16.2	X	330.96948	98.46213	226.89065	12.07048	0.1099373	0.21523660	2.7575621	20	7 23.2	19.6
287264 2002 TB_{145}	15.2	X	125.56074	344.97033	315.19978	17.03029	0.1415739	0.18023636	3.1039004	20	—	—
287265 2002 TA_{146}	16.7	X	228.31328	153.05308	229.22465	2.97601	0.1779336	0.26004752	2.4309027	20	5 14.9	20.4
287266 2002 TF_{148}	15.6	X	293.05358	169.27284	244.58208	9.11056	0.2311895	0.21940575	2.7225177	20	9 3.5	18.8
287267 2002 TR_{148}	16.7	X	313.79889	150.45155	212.25960	13.21138	0.2626667	0.21683760	2.7439719	20	7 25.9	19.7
287268 2002 TY_{151}	17.4	X	119.43044	109.29906	357.46071	8.16828	0.0812469	0.25487133	2.4637051	20	5 6.2	20.8
287269 2002 TW_{155}	15.1	X	131.99865	52.40397	200.87478	15.36499	0.1678105	0.17152546	3.2081180	20	11 23.6	20.5
287270 2002 TU_{156}	16.3	X	91.71309	149.49904	205.59042	14.15791	0.1480565	0.23690823	2.5867192	20	—	—
287271 2002 TY_{156}	15.5	X	227.82634	329.73689	313.46144	8.84226	0.0602722	0.19205637	2.9752051	20	1 25.4	19.8
287272 2002 TE_{159}	15.5	X	31.41324	256.86903	159.57807	20.74206	0.1940032	0.17630343	3.1498911	20	—	—
287273 2002 TO_{161}	16.5	X	27.05465	264.16724	74.34838	13.51745	0.2841152	0.22360346	2.6883370	20	12 13.9	20.0
287274 2002 TN_{163}	15.5	X	37.71474	304.22303	62.31906	27.11734	0.1944064	0.17170601	3.2058686	20	—	—
287275 2002 TY_{166}	16.4	X	115.53189	0.02297	293.64765	12.99821	0.0584112	0.23095238	2.6310014	20	—	—
287276 2002 TG_{167}	16.0	X	300.71779	76.87440	291.07036	11.14070	0.1643189	0.21394073	2.7686862	20	7 26.9	19.3
287277 2002 TV_{167}	15.4	X	73.15150	81.05647	299.96087	10.80125	0.1241622	0.18076131	3.0978881	20	—	—
287278 2002 TZ_{168}	16.1	X	345.30234	11.43736	295.87564	11.94079	0.1915791	0.21416361	2.7667649	20	7 25.3	18.6
287279 2002 TT_{169}	16.8	X	214.12644	95.46708	310.20185	8.34472	0.2230013	0.25989907	2.4318283	20	5 27.8	21.0
287280 2002 TY_{171}	15.5	X	352.04214	345.97059	305.63628	12.93137	0.1816716	0.21391717	2.7688895	20	7 18.2	18.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287281 2002 TC_{173}	16.5	X	269.99780	258.24276	145.66948	8.31187	0.2308679	0.21236716	2.7823461	20	7 20.1	20.3
287282 2002 TZ_{175}	16.9	X	330.17865	69.50315	261.24325	9.00569	0.2329956	0.26957155	2.3733038	20	7 28.8	18.6
287283 2002 TH_{177}	15.5	X	4.97922	245.07834	116.07314	16.79500	0.1630428	0.22015361	2.7163486	20	11 26.7	18.9
287284 2002 TM_{181}	15.0	X	93.83923	32.26858	315.95170	1.82874	0.2193927	0.12388574	3.9852464	20	—	—
287285 2002 TE_{184}	15.5	X	279.95858	221.67503	222.23413	8.81257	0.2634201	0.21866693	2.7286467	20	9 19.6	18.8
287286 2002 TQ_{186}	17.0	X	103.23720	83.89959	241.11754	4.81145	0.1938907	0.29028378	2.2590241	20	—	—
287287 2002 TK_{192}	16.2	X	312.88467	9.96838	351.70830	15.04005	0.1949081	0.21283614	2.7782573	20	8 11.9	19.2
287288 2002 TQ_{193}	16.9	X	255.29805	32.43107	40.11504	5.11648	0.1589551	0.26941278	2.3742362	20	8 28.9	19.9
287289 2002 TJ_{194}	16.5	X	352.15853	123.87611	187.81712	9.09263	0.2295302	0.21547629	2.7555168	20	8 17.5	19.0
287290 2002 TT_{194}	16.6	X	284.91400	8.89767	352.91951	2.98585	0.1112016	0.21071446	2.7968757	20	7 3.4	20.2
287291 2002 TP_{196}	16.2	X	354.10339	219.09411	179.71234	11.22955	0.1799079	0.22721750	2.6597544	20	12 28.4	19.3
287292 2002 TB_{197}	15.4	X	86.82201	321.18910	42.75227	4.27619	0.2622137	0.12352000	3.9931093	20	1 4.3	20.8
287293 2002 TW_{197}	16.0	X	306.75697	218.65907	206.88651	12.43519	0.1405169	0.22060876	2.7126112	20	11 3.6	18.9
287294 2002 TH_{200}	16.4	X	11.95642	281.10657	136.51873	1.69242	0.1713036	0.17517777	3.1633704	20	—	—
287295 2002 TC_{204}	16.9	X	101.47060	263.40995	134.41292	7.93531	0.2013125	0.24116053	2.5562219	20	2 3.8	20.0
287296 2002 TE_{204}	17.2	X	328.96933	230.12993	150.55256	6.70807	0.1960589	0.27456082	2.3444645	20	11 2.5	18.9
287297 2002 TL_{204}	16.2	X	292.78910	238.60579	156.70553	8.63000	0.1624699	0.21519806	2.7578913	20	8 22.7	19.4
287298 2002 TH_{205}	17.4	X	45.39954	288.60399	130.36354	5.65596	0.1934374	0.29073266	2.2566983	20	—	—
287299 2002 TZ_{205}	16.9	X	245.09506	194.78183	216.57400	8.87375	0.2300146	0.26368915	2.4084698	20	7 3.2	20.6
287300 2002 TD_{208}	16.0	X	83.69270	304.71667	22.10069	11.42575	0.2798876	0.23030639	2.6359190	20	—	—
287301 2002 TK_{209}	16.2	X	306.80699	267.95679	64.63161	12.03942	0.2514256	0.21132742	2.7914648	20	6 2.8	19.3
287302 2002 TX_{214}	17.5	X	353.86839	291.74402	72.13137	6.76499	0.2558177	0.27686918	2.3314153	20	12 9.1	19.3
287303 2002 TM_{215}	15.9	X	323.58401	306.73553	63.06101	15.63440	0.2394772	0.21523782	2.7575517	20	9 18.9	18.7
287304 2002 TL_{217}	18.0	X	142.69135	356.50116	17.10537	2.67766	0.1499074	0.30073877	2.2063603	20	2 7.8	20.9
287305 2002 TF_{218}	16.4	X	23.53220	106.57180	254.61006	5.94437	0.2009051	0.22691766	2.6620968	20	12 26.8	19.9
287306 2002 TF_{229}	17.0	X	263.99582	242.07948	156.75876	3.11562	0.1880950	0.26573952	2.3960651	20	7 15.4	20.0
287307 2002 TT_{231}	15.5	X	306.81452	40.47771	62.37722	22.73096	0.0312039	0.22847028	2.6500225	20	12 27.4	19.2
287308 2002 TA_{233}	16.0	X	260.51595	149.06102	257.52488	12.49629	0.1889352	0.21059491	2.7979340	20	7 15.9	20.1
287309 2002 TJ_{239}	16.1	X	304.37335	136.27254	264.32502	8.09974	0.1256582	0.21842972	2.7306218	20	9 20.3	19.4
287310 2002 TJ_{244}	16.0	X	94.77726	128.24111	207.63294	14.82377	0.1140500	0.17630725	3.1498456	20	—	—
287311 2002 TM_{250}	16.8	X	244.15735	203.64882	201.87473	6.98020	0.0941941	0.26346381	2.4098429	20	7 11.7	20.1
287312 2002 TU_{250}	16.9	X	300.67880	108.49226	276.94608	0.76152	0.3199812	0.21344088	2.7730071	20	7 26.4	19.8
287313 2002 TB_{252}	17.1	X	209.30521	316.24238	36.52932	6.97118	0.1484068	0.25359937	2.4719363	20	3 24.2	20.9
287314 2002 TW_{253}	17.0	X	86.30095	143.98297	305.58743	3.18733	0.1787925	0.24553764	2.5257518	20	3 17.0	20.1
287315 2002 TP_{257}	17.4	X	326.14945	308.62465	59.29108	3.30380	0.2349656	0.27205469	2.3588405	20	10 1.8	18.5
287316 2002 TZ_{257}	15.7	X	49.53222	33.26436	20.72432	9.44402	0.2383708	0.17815300	3.1280520	20	—	—
287317 2002 TM_{261}	15.5	X	305.67383	0.50690	73.31314	11.66142	0.3376283	0.21655419	2.7463654	20	10 25.0	17.6
287318 2002 TZ_{262}	16.4	X	296.70610	5.52447	350.16188	4.03412	0.1297953	0.20987180	2.8043571	20	7 10.1	19.8
287319 2002 TL_{263}	15.0	X	107.06892	97.87192	247.73238	21.29121	0.0625292	0.18075307	3.0979823	20	—	—
287320 2002 TN_{263}	16.0	X	48.63232	323.80850	62.29109	14.93162	0.0650953	0.23254704	2.6189598	20	—	—
287321 2002 TZ_{267}	16.7	X	71.93701	332.95089	347.83627	5.97865	0.1502392	0.28336155	2.2956664	20	—	—
287322 2002 TG_{268}	17.3	X	110.11866	46.63407	1.15902	9.86139	0.2401420	0.24302644	2.5431211	20	3 5.4	20.8
287323 2002 TZ_{268}	16.7	X	335.16708	63.73625	354.86086	12.34597	0.2601870	0.22395492	2.6855237	20	12 30.5	19.2
287324 2002 TC_{288}	15.8	X	306.56779	141.91902	242.38062	6.63041	0.2840043	0.21359556	2.7716682	20	8 9.4	18.6
287325 2002 TJ_{297}	17.4	X	211.15492	59.57528	330.50508	0.63997	0.1890422	0.25631409	2.4544512	20	5 7.9	21.4
287326 2002 TK_{298}	16.3	X	306.61888	7.82860	23.03743	13.66716	0.1669956	0.21498703	2.7596958	20	9 15.7	19.4
287327 2002 TJ_{304}	15.5	X	46.41956	325.81037	165.57123	10.69624	0.0451806	0.19177592	2.9781050	20	3 3.9	19.3
287328 2002 TK_{306}	16.0	X	173.74735	338.67353	58.62020	9.00753	0.0378859	0.19747715	2.9205063	20	4 15.3	20.2
287329 2002 TX_{308}	15.8	X	111.11051	177.85228	123.42386	7.13420	0.0239540	0.17297498	3.1901703	20	12 21.1	20.4
287330 2002 TY_{312}	16.5	X	111.84768	261.21356	61.10534	13.39954	0.1869053	0.23381393	2.6094910	20	—	—
287331 2002 TV_{314}	16.8	X	228.09034	110.92003	168.98172	15.07283	0.1194470	0.24356214	2.5393907	20	1 10.9	21.0
287332 2002 TZ_{314}	16.3	X	225.51237	131.41373	81.13652	14.02001	0.0801647	0.23073653	2.6326421	20	—	—
287333 2002 TG_{315}	16.2	X	121.21888	212.50507	79.95255	14.96912	0.0422572	0.22767239	2.6562104	20	—	—
287334 2002 TF_{316}	15.6	X	281.93850	172.22266	145.64751	13.80440	0.1346597	0.20174631	2.8791590	20	5 2.7	19.8
287335 2002 TV_{316}	16.4	X	272.65127	278.49493	144.48122	11.92559	0.3302373	0.21156077	2.7894118	20	8 2.8	20.3
287336 2002 TP_{329}	17.9	X	161.67308	69.75126	20.32150	9.85891	0.1369788	0.25845925	2.4408513	20	6 6.6	21.8
287337 2002 TM_{332}	16.6	X	163.27753	93.60572	34.42091	7.91387	0.0695434	0.20950407	2.8076378	20	7 29.3	20.9
287338 2002 TN_{332}	18.1	X	134.12349	51.60200	47.74959	3.59194	0.1379890	0.25531452	2.4608532	20	5 22.5	21.6
287339 2002 TU_{334}	15.2	X	198.68952	263.15431	23.85277	19.71137	0.0128096	0.18554328	3.0444293	20	—	—
287340 2002 TU_{343}	16.6	X	7.37030	258.23493	75.64211	7.03694	0.0068004	0.21763374	2.7372759	20	10 5.4	20.3
287341 2002 TU_{348}	16.5	X	39.86792	197.76124	106.74770	10.56612	0.1670656	0.21939995	2.7225657	20	11 3.8	20.2
287342 2002 TN_{350}	15.8	X	187.65460	340.82939	234.82178	9.41039	0.1023948	0.17816733	3.1278843	20	12 1.4	20.6
287343 2002 TK_{353}	16.8	X	351.42250	105.07083	205.57789	8.19499	0.1806687	0.21689523	2.7434858	20	8 11.4	19.6
287344 2002 TE_{354}	16.7	X	233.37336	203.12268	291.96108	3.08059	0.1666283	0.22305787	2.6927189	20	10 12.0	20.6
287345 2002 TN_{363}	16.9	X	266.33425	246.60045	114.68482	3.14703	0.0931715	0.20717664	2.8286260	20	6 9.9	20.9
287346 2002 TX_{371}	15.9	X	279.67882	90.77077	99.34573	17.18866	0.1248110	0.17654154	3.1470582	20	—	—
287347 Mézes	16.3	X	273.77799	319.61391	88.67053	7.19742	0.0526547	0.21213191	2.7844027	20	8 31.9	20.0
287348 2002 TE_{384}	18.0	X	111.83603	168.60685	141.55789	3.20724	0.1821417	0.28746343	2.2737758	20	—	—
287349 2002 TP_{384}	16.6	X	20.33026	64.34977	225.14277	6.71707	0.1114481	0.26895228	2.3769455	20	9 6.9	19.3
287350 2002 TA_{387}	16.2	X	317.40454	167.20988	188.18079	12.97344	0.1180466	0.21214915	2.7842519	20	8 11.1	19.6
287351 2002 US_{1}	16.3	X	312.84195	151.45216	267.15551	3.05303	0.1086034	0.21944720	2.7221748	20	11 4.5	19.4
287352 2002 UG_{3}	16.0	X	284.27017	255.38830	141.25313	11.82899	0.3066474	0.21160854	2.7889919	20	7 17.4	19.8
287353 2002 UL_{7}	16.3	X	54.65117	195.72574	157.96472	9.59161	0.2001687	0.22836387	2.6508457	20	—	—
287354 2002 UT_{10}	17.3	X	246.70448	284.88429	47.82572	2.94663	0.2197030	0.25614902	2.4555056	20	3 28.2	21.2
287355 2002 UU_{12}	15.9	X	48.37863	275.39838	113.10352	5.59393	0.1958091	0.17691403	3.1426392	20	—	—
287356 2002 UB_{13}	16.0	X	334.09692	156.13056	212.19179	8.57041	0.2229225	0.21924938	2.7238120	20	10 2.5	18.3
287357 2002 UR_{18}	17.5	X	332.79658	225.62281	139.39353	2.79048	0.2375790	0.27313314	2.3526272	20	10 17.1	18.8
287358 2002 UA_{27}	16.0	X	314.83724	14.73425	23.73436	8.15700	0.0551239	0.21720234	2.7408991	20	10 14.5	19.4
287359 2002 UB_{29}	15.9	X	13.09113	243.20096	118.64582	8.33414	0.0682904	0.22177802	2.7030684	20	11 24.7	19.4
287360 2002 UO_{41}	16.2	X	279.53603	265.00971	117.54338	4.31297	0.1019134	0.20815836	2.8197253	20	7 25.0	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287361 2002 UY_{48}	16.1	X	288.90328	33.58468	348.11986	7.51294	0.2410461	0.20905228	2.8116814	20	7 16.9	19.7
287362 2002 UY_{51}	16.0	X	105.63609	117.51213	207.30417	15.88026	0.0898357	0.18145311	3.0900092	20	—	—
287363 2002 UF_{53}	17.4	X	101.04188	139.42337	143.03675	6.34956	0.1830308	0.28287408	2.2983030	20	12 19.1	21.0
287364 2002 UY_{57}	16.7	X	13.03835	232.98658	72.54417	9.68263	0.1459530	0.27137936	2.3627522	20	10 3.7	19.3
287365 2002 UA_{62}	16.4	X	229.67269	247.31627	214.36571	8.90795	0.1118767	0.21811065	2.7332843	20	8 30.6	20.4
287366 2002 UX_{63}	17.2	X	161.14155	282.92388	349.14634	1.49912	0.0587726	0.23473202	2.6026823	20	—	—
287367 2002 UP_{65}	17.1	X	341.67809	205.92119	84.36271	2.91280	0.0693739	0.20896782	2.8124390	20	6 27.2	20.6
287368 2002 UB_{66}	16.9	X	335.22504	163.58692	102.45018	3.17822	0.0275429	0.20347322	2.8628453	20	5 18.6	20.7
287369 2002 UN_{72}	17.7	X	111.57135	144.60440	242.64225	2.15034	0.2458476	0.24093223	2.5578365	20	2 8.4	21.3
287370 2002 UQ_{72}	16.8	X	77.90174	329.30457	36.59629	10.07662	0.0927531	0.23190785	2.6237700	20	—	—
287371 2002 UC_{73}	16.4	X	279.55647	281.91629	95.58687	5.56924	0.1196425	0.20879512	2.8139896	20	7 15.6	20.1
287372 2002 UE_{77}	16.6	X	264.60441	204.64787	202.22274	3.36519	0.0970725	0.20974225	2.8055118	20	8 5.7	20.5
287373 2002 UG_{77}	16.8	X	163.89537	135.02791	56.96123	7.18009	0.0499235	0.27296318	2.3536037	20	10 29.2	19.8
287374 2002 VR	17.1	X	60.23514	33.56427	104.25937	0.21930	0.2151703	0.18873050	3.0100565	20	4 24.0	20.6
287375 2002 VL_{4}	17.5	X	117.51401	316.98000	35.09448	2.64261	0.1953991	0.23691496	2.5866702	20	—	—
287376 2002 VD_{6}	16.4	X	5.23348	290.28454	58.45920	13.39544	0.2595179	0.27761051	2.3272629	20	12 6.8	18.8
287377 2002 VW_{12}	16.3	X	346.57501	328.67833	26.94197	4.86612	0.1306841	0.21614675	2.7498156	20	10 8.5	19.1
287378 2002 VQ_{13}	17.2	X	284.35979	346.24619	64.49084	23.73589	0.0980292	0.37968336	1.8888103	20	10 28.9	18.8
287379 2002 VS_{13}	17.8	X	77.68760	50.16056	0.26646	4.17273	0.1627598	0.29314812	2.2442848	20	—	—
287380 2002 VT_{14}	16.3	X	80.28195	65.35346	246.50988	4.28284	0.0379067	0.22295719	2.6935295	20	12 10.8	20.0
287381 2002 VG_{16}	17.8	X	183.00692	11.15737	42.18404	5.63647	0.1518775	0.31040280	2.1603244	20	5 11.2	20.7
287382 2002 VJ_{16}	17.2	X	173.66426	87.59225	254.13086	6.29824	0.2342885	0.30151741	2.2025602	20	2 2.1	20.7
287383 2002 VW_{20}	16.7	X	303.08489	278.30648	90.60023	12.13381	0.2884246	0.26779907	2.3837644	20	7 18.5	18.8
287384 2002 VE_{21}	16.7	X	277.74680	54.87218	309.14485	5.59683	0.1429019	0.26370203	2.4083914	20	6 22.9	19.6
287385 2002 VW_{21}	14.6	X	100.97575	8.04891	343.97193	7.63863	0.2850922	0.12321174	3.9997667	20	1 9.8	20.5
287386 2002 VK_{35}	15.8	X	73.82588	204.81131	226.02520	8.71466	0.1510891	0.18249780	3.0782057	20	2 5.9	19.9
287387 2002 VS_{40}	16.0	X	272.71245	166.04860	269.73841	6.66982	0.0648157	0.21465263	2.7625612	20	9 27.5	19.8
287388 2002 VY_{43}	15.3	X	306.36257	87.61674	297.83492	11.50399	0.1901484	0.21282696	2.7783372	20	8 24.4	18.4
287389 2002 VX_{53}	18.2	X	205.68176	78.56259	299.08746	0.90402	0.1640931	0.30991202	2.1626045	20	4 15.5	21.4
287390 2002 VV_{62}	15.8	X	165.84307	129.63210	262.14538	6.41276	0.1672945	0.19290926	2.9664293	20	3 30.9	20.8
287391 2002 VT_{64}	15.3	X	37.37658	63.56287	336.62770	14.66757	0.2185841	0.17520738	3.1630140	20	—	—
287392 2002 VU_{70}	15.9	X	281.46420	332.98488	92.82833	5.55907	0.1058919	0.21525160	2.7574340	20	9 28.0	19.4
287393 2002 VE_{72}	16.0	X	94.44634	31.41359	67.49637	11.41520	0.2042137	0.18843615	3.0131903	20	4 22.2	20.4
287394 2002 VH_{73}	15.2	X	350.70566	253.76065	220.73459	12.35143	0.1661920	0.17418181	3.1754177	20	—	—
287395 2002 VA_{77}	17.1	X	84.43707	330.31260	82.84268	5.91706	0.1222813	0.29399318	2.2399821	20	1 6.6	19.1
287396 2002 VU_{85}	16.8	X	115.85626	40.08741	280.48174	4.53388	0.2861844	0.28959809	2.2625886	20	—	—
287397 2002 VA_{91}	16.3	X	287.71921	109.37576	219.08359	9.78952	0.1251729	0.20376980	2.8600668	20	5 21.3	20.0
287398 2002 VO_{92}	16.3	X	307.40616	145.99850	213.45033	7.16743	0.2314795	0.21101417	2.7942267	20	7 15.1	19.5
287399 2002 VM_{93}	17.2	X	49.34038	121.99079	268.52427	4.61268	0.1679466	0.28513934	2.2861144	20	—	—
287400 2002 VG_{95}	17.4	X	14.58921	17.05403	336.49766	1.99241	0.3511122	0.27801312	2.3250155	20	—	—
287401 2002 VA_{98}	17.0	X	278.54410	305.84253	63.37271	6.27899	0.1600372	0.26285889	2.4135387	20	6 28.5	20.0
287402 2002 VS_{103}	15.8	X	125.32763	122.57261	268.76252	3.88440	0.2090731	0.18646429	3.0343961	20	2 27.8	20.6
287403 2002 VN_{106}	15.9	X	347.91242	91.31720	251.81331	4.94563	0.0724346	0.21469751	2.7621762	20	9 16.9	19.4
287404 2002 VB_{110}	16.8	X	200.52393	53.36873	328.24751	2.47339	0.2286146	0.25187502	2.4832054	20	4 16.6	21.1
287405 2002 VX_{110}	16.2	X	353.93006	75.42725	308.58902	8.10468	0.1033595	0.22276655	2.6950659	20	11 26.2	19.6
287406 2002 VT_{113}	16.6	X	110.40041	283.68158	65.29740	12.35769	0.2041936	0.23440030	2.6051372	20	—	—
287407 2002 VM_{115}	16.4	X	48.25904	170.62529	295.10847	6.22840	0.1537634	0.23868268	2.5738829	20	2 1.8	18.8
287408 2002 VU_{116}	16.9	X	321.23083	238.96210	308.64684	6.22703	0.1129627	0.29457557	2.2370288	20	—	—
287409 2002 VE_{117}	16.3	X	184.95344	84.67211	330.86535	5.88101	0.0955509	0.25399865	2.4693450	20	5 15.6	20.0
287410 2002 VA_{122}	17.0	X	272.99553	93.25393	281.50717	11.05295	0.1966832	0.26338534	2.4103215	20	6 22.6	19.9
287411 2002 VE_{128}	16.0	X	300.31979	339.51242	57.23254	3.99668	0.1031219	0.21444013	2.7643859	20	9 16.9	19.4
287412 2002 VY_{132}	16.4	X	330.09728	197.61000	158.57362	3.39103	0.1955204	0.21534714	2.7566183	20	9 5.1	18.9
287413 2002 VG_{144}	16.3	X	42.02718	107.39291	219.94978	5.37443	0.0341375	0.21923335	2.7239448	20	11 11.8	19.9
287414 2002 VW_{145}	16.4	X	262.67652	159.45283	199.74334	6.80480	0.0907932	0.20207848	2.8760030	20	6 3.3	20.5
287415 2002 VB_{146}	16.8	X	201.00987	226.79030	76.23224	8.44386	0.2382420	0.24370286	2.5384131	20	1 17.2	21.2
287416 2002 WG_{2}	16.1	X	353.69920	247.87076	75.58491	5.93700	0.0695662	0.21012138	2.8021361	20	9 4.2	19.6
287417 2002 WX_{2}	16.3	X	3.76378	260.33715	79.48802	4.10931	0.2166066	0.21709275	2.7418215	20	10 29.3	19.0
287418 2002 WV_{9}	17.3	X	77.36234	334.20121	49.73531	4.00227	0.1631754	0.28897570	2.2658361	20	—	—
287419 2002 WF_{13}	17.1	X	13.98708	213.72603	75.25598	23.86495	0.0559937	0.37758294	1.8958085	20	9 29.0	19.7
287420 2002 WE_{20}	16.6	X	166.99580	231.73391	54.92853	5.91952	0.1031425	0.23131077	2.6282831	20	—	—
287421 2002 WN_{21}	15.4	X	89.26795	175.32981	252.14169	16.35648	0.0892881	0.18501642	3.0502062	20	2 9.6	20.0
287422 2002 WS_{21}	15.7	X	100.47918	318.89794	92.32388	10.75808	0.0844844	0.18225366	3.0809540	20	2 13.7	20.1
287423 2002 WZ_{21}	16.9	X	3.79433	269.20081	139.86701	3.26543	0.1739694	0.22451281	2.6810730	20	—	—
287424 2002 WH_{22}	16.5	X	244.41813	35.32164	78.72662	8.34967	0.0392106	0.21485926	2.7607898	20	10 20.8	20.3
287425 2002 WJ_{22}	17.4	X	12.89932	12.20615	108.10074	3.44141	0.1497091	0.23408221	2.6074968	20	—	—
287426 2002 WM_{23}	17.2	X	274.57635	283.00359	81.96866	6.94750	0.1263848	0.26090079	2.4255996	20	6 21.9	20.0
287427 2002 WP_{23}	16.2	X	43.42531	99.17739	232.27679	5.03080	0.0518595	0.21887044	2.7269550	20	11 21.2	19.8
287428 2002 WH_{24}	16.5	X	116.05549	349.85966	65.30827	5.23618	0.0472370	0.18608448	3.0385236	20	3 2.4	20.8
287429 2002 WL_{25}	16.2	X	5.24086	318.59713	38.69150	6.79341	0.0436964	0.21961762	2.7207664	20	11 2.1	19.6
287430 2002 WP_{27}	17.3	X	336.09914	189.01208	139.53186	4.62776	0.2663322	0.26829236	2.3808416	20	8 14.9	18.2
287431 2002 WH_{28}	16.0	X	217.04519	27.53571	108.92430	5.43817	0.0184651	0.21434560	2.7651986	20	10 16.7	19.9
287432 2002 WP_{28}	16.6	X	28.09970	251.65321	165.04451	4.17149	0.1860476	0.17307986	3.1888813	20	—	—
287433 2002 WQ_{28}	15.7	X	21.70522	246.34038	224.29167	15.20227	0.1961555	0.17819290	3.1275850	20	1 2.3	19.3
287434 2002 WZ_{28}	17.8	X	241.75728	285.14636	122.09142	2.10640	0.2255747	0.26171713	2.4205531	20	6 25.8	21.4
287435 2002 XM_{3}	16.8	X	97.17587	308.36569	160.82958	5.40727	0.1793734	0.24475363	2.5311427	20	4 30.7	20.3
287436 2002 XP_{3}	17.8	X	236.85020	293.68265	128.57818	2.91229	0.1903858	0.26125600	2.4234005	20	7 14.6	21.3
287437 2002 XA_{6}	16.2	X	72.58888	284.16927	163.79890	8.32135	0.2232036	0.18296571	3.0729554	20	3 11.1	20.1
287438 2002 XK_{11}	16.7	X	141.96271	126.91780	75.47992	6.49660	0.0718323	0.26894938	2.3769626	20	10 17.4	20.1
287439 2002 XL_{23}	16.3	X	105.31857	312.81958	38.94321	14.83143	0.2128334	0.23374623	2.6099948	20	—	—
287440 2002 XY_{24}	15.7	X	75.98646	334.75324	80.62740	17.22654	0.2210007	0.17790053	3.1310107	20	2 8.4	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287441 2002 XW_{33}	15.7	X	166.30047	174.17111	250.26605	10.81897	0.0338479	0.19437346	2.9515133	20	5 6.6	20.0
287442 2002 XU_{36}	15.4	X	160.15776	69.45683	270.69200	11.43133	0.1615163	0.18401705	3.0612397	20	1 26.6	20.4
287443 2002 XP_{38}	17.1	X	344.86032	69.36402	256.81944	19.84406	0.0231540	0.37716729	1.8972011	20	8 31.9	19.5
287444 2002 XM_{48}	16.2	X	127.53284	204.84918	205.54990	3.06672	0.2200275	0.18756984	3.0224610	20	3 25.6	21.0
287445 2002 XU_{57}	16.4	X	65.79399	161.39129	327.63651	6.02536	0.1828829	0.24353526	2.5395776	20	4 8.6	19.3
287446 2002 XD_{64}	16.1	X	186.81870	69.02453	49.28880	8.70814	0.1773369	0.20270126	2.8701092	20	8 8.2	21.0
287447 2002 XO_{64}	17.2	X	280.69097	176.42478	298.91074	4.94720	0.1931439	0.27353489	2.3503231	20	12 6.8	19.3
287448 2002 XX_{72}	17.2	X	264.42166	108.23478	306.12846	4.46374	0.1860823	0.26473804	2.4021040	20	8 7.6	20.2
287449 2002 XR_{82}	15.4	X	336.36710	134.71569	219.59309	11.12101	0.1670173	0.21195187	2.7859793	20	9 11.5	18.4
287450 2002 XW_{95}	16.3	X	291.00725	230.37599	237.63550	6.32945	0.1014536	0.22023223	2.7157022	20	12 6.9	19.6
287451 2002 XU_{115}	16.0	X	239.58717	221.33847	320.34181	4.12396	0.0979880	0.21316621	2.7753886	20	12 26.6	19.8
287452 2002 XL_{119}	15.8	X	78.45524	351.46627	66.03600	12.96137	0.0644898	0.18154206	3.0889998	20	1 20.9	20.1
287453 2002 XU_{119}	16.9	X	146.80298	255.44901	67.68925	14.33155	0.1571729	0.23570063	2.5955469	20	—	—
287454 2002 YX_{7}	12.6	X	258.95370	245.20502	92.31961	28.57681	0.0740299	0.08021360	5.3248093	20	5 16.7	19.9
287455 2002 YM_{13}	16.9	X	114.86790	213.35240	220.98496	1.65725	0.1552090	0.24152389	2.5536575	20	3 31.5	20.6
287456 2002 YC_{15}	16.0	X	349.27155	50.18706	109.78569	13.70041	0.0885675	0.23114606	2.6295315	20	1 9.9	19.2
287457 2002 YH_{21}	16.0	X	334.47563	337.76679	88.15870	13.11968	0.1692249	0.22014817	2.7163934	20	12 26.5	18.8
287458 2002 YG_{23}	16.9	X	85.78245	320.28969	117.24781	5.90049	0.1792174	0.23752503	2.5822391	20	3 4.7	20.0
287459 2002 YP_{24}	16.7	X	153.97014	217.13966	204.35427	0.76016	0.1269517	0.24584607	2.5236389	20	4 23.7	20.4
287460 2002 YW_{32}	16.8	X	282.54673	13.47221	35.38590	2.54332	0.3063801	0.21076081	2.7964655	20	8 2.1	20.3
287461 2002 YD_{33}	15.1	X	189.74719	91.43282	269.04383	19.44301	0.2987363	0.19324881	2.9629534	20	3 8.5	20.9
287462 2003 AX_{6}	16.8	X	150.64814	131.36956	269.31007	14.05170	0.1232089	0.24414165	2.5353707	20	3 16.7	20.9
287463 2003 AD_{19}	16.0	X	315.31358	72.60845	125.51396	8.14612	0.1436955	0.23079104	2.6322275	20	1 3.9	19.4
287464 2003 AZ_{20}	14.9	X	19.26073	214.46149	293.36232	18.54349	0.1793053	0.17744193	3.1364032	20	2 12.3	18.5
287465 2003 AX_{24}	16.7	X	30.67766	116.38294	271.70101	6.04154	0.1229939	0.27908977	2.3190322	20	—	—
287466 2003 AE_{30}	16.1	X	3.04720	316.54381	123.82618	12.46874	0.0909493	0.22192041	2.7019121	20	—	—
287467 2003 AL_{35}	16.7	X	70.82349	305.14820	157.01227	4.88808	0.2719953	0.23800051	2.5787988	20	3 30.1	19.5
287468 2003 AZ_{36}	16.8	X	294.26529	177.35617	257.45733	6.03287	0.2063342	0.26997607	2.3709326	20	10 29.0	18.6
287469 2003 AC_{37}	15.7	X	47.91765	337.12504	114.79096	11.99542	0.2069187	0.17607444	3.1526215	20	2 3.4	19.1
287470 2003 AE_{42}	17.1	X	29.07725	241.76601	264.94780	6.15325	0.1657762	0.29097667	2.2554365	20	2 9.8	18.9
287471 2003 AK_{46}	15.2	X	359.81382	262.53011	322.31649	9.10652	0.0846522	0.18739143	3.0243791	20	4 22.6	19.1
287472 2003 AJ_{53}	16.2	X	324.29308	357.37314	84.57432	5.11609	0.1212917	0.21688573	2.7435659	20	12 25.9	19.3
287473 2003 AO_{62}	16.2	X	220.26753	169.33055	237.39375	0.61878	0.1655911	0.19748394	2.9204394	20	6 8.4	20.9
287474 2003 AQ_{62}	17.0	X	162.71958	26.94461	90.80003	3.55060	0.1412163	0.25339001	2.4732977	20	7 16.0	20.8
287475 2003 AY_{66}	16.2	X	81.43753	71.37129	2.40057	9.50166	0.1572310	0.23411626	2.6072439	20	2 20.2	19.4
287476 2003 AT_{71}	17.3	X	205.75671	289.80682	104.46020	23.93463	0.1087232	0.36086924	1.9539021	20	5 19.5	20.3
287477 2003 AG_{73}	16.3	X	236.84728	317.88310	132.91546	14.13488	0.1360544	0.20333375	2.8641542	20	8 25.1	20.5
287478 2003 AR_{78}	15.9	X	149.29338	280.59897	142.37911	8.41088	0.0996549	0.18551327	3.0447576	20	4 24.4	20.6
287479 2003 AS_{80}	15.8	X	28.91704	55.10283	58.10357	22.64746	0.0321786	0.22767239	2.6562104	20	1 11.5	19.6
287480 2003 AJ_{84}	15.2	X	1.01346	41.84666	147.89719	28.02995	0.1425421	0.17678505	3.1441676	20	3 15.9	19.1
287481 2003 AW_{85}	16.2	X	131.76703	213.20661	214.54974	4.91343	0.1889069	0.24277405	2.5448833	20	4 14.0	20.0
287482 2003 AU_{94}	16.1	X	173.62639	289.45306	119.70099	4.00050	0.1305433	0.18873523	3.0100063	20	5 1.4	20.9
287483 2003 BS_{5}	15.6	X	47.69251	331.38181	153.51270	15.34728	0.1247501	0.17677671	3.1442665	20	3 8.0	19.5
287484 2003 BF_{9}	15.1	X	342.67588	294.73535	283.57125	11.12387	0.0674684	0.18033253	3.1027968	20	3 19.0	19.5
287485 2003 BG_{9}	16.3	X	80.77796	271.20318	142.09339	13.51719	0.1954018	0.23138766	2.6277008	20	1 25.2	19.3
287486 2003 BG_{12}	16.2	X	23.16176	332.05216	126.53106	10.50707	0.1793550	0.22611927	2.6683595	20	—	—
287487 2003 BZ_{14}	15.2	X	26.25685	55.39509	129.05534	18.87275	0.1511989	0.17975372	3.1094539	20	4 28.5	19.2
287488 2003 BA_{17}	16.5	X	95.60424	36.92253	143.34027	36.85190	0.0755226	0.30403939	2.1903633	20	7 23.8	19.6
287489 2003 BR_{17}	16.1	X	317.06535	334.27097	134.24042	13.86131	0.1066597	0.21745840	2.7387470	20	—	—
287490 2003 BJ_{19}	15.6	X	64.70396	49.64037	71.84795	7.20629	0.1507804	0.17883240	3.1201244	20	4 4.0	19.6
287491 2003 BK_{19}	17.2	X	89.45001	1.93044	86.14192	6.25325	0.1245476	0.29248769	2.2476619	20	3 10.4	19.7
287492 2003 BX_{24}	15.3	X	4.10734	241.44705	289.05672	13.25772	0.1837313	0.17391857	3.1786210	20	2 15.2	19.0
287493 2003 BB_{28}	15.6	X	70.30350	326.09365	140.30286	10.63721	0.1129842	0.17933060	3.1143431	20	3 17.6	19.7
287494 2003 BJ_{28}	17.5	X	204.93722	100.84142	80.51340	6.37811	0.2052734	0.26393267	2.4069881	20	11 13.8	21.1
287495 2003 BV_{30}	16.0	X	12.53609	216.23354	305.77109	15.73884	0.1740821	0.17585694	3.1552205	20	2 20.2	19.7
287496 2003 BS_{31}	17.6	X	32.30644	306.20931	156.58526	7.52519	0.1769266	0.28671251	2.2777442	20	—	—
287497 2003 BV_{32}	16.4	X	82.76322	71.56886	305.58963	23.31271	0.1595159	0.28239238	2.3009158	20	—	—
287498 2003 BW_{32}	15.8	X	345.40172	205.35723	302.35958	15.85743	0.0596006	0.22767301	2.6562056	20	—	—
287499 2003 BJ_{38}	15.6	X	47.81606	158.92845	316.11649	8.85730	0.0862502	0.17630572	3.1498638	20	2 18.8	19.7
287500 2003 BO_{38}	17.3	X	279.10784	42.57896	107.03011	3.26439	0.1783938	0.27399674	2.3476812	20	—	—
287501 2003 BS_{38}	15.9	X	27.84678	254.07077	296.28425	6.71545	0.1059370	0.18332790	3.0689067	20	4 24.1	19.8
287502 2003 BQ_{43}	16.0	X	81.03896	51.79635	125.91270	7.34716	0.1664656	0.18687822	3.0299137	20	7 6.1	20.3
287503 2003 BB_{45}	16.3	X	74.17699	259.43617	142.71687	12.86596	0.1113829	0.22547102	2.6734715	20	—	—
287504 2003 BD_{48}	15.3	X	129.59027	128.53920	307.29163	15.51080	0.0962062	0.18278668	3.0749615	20	4 7.4	20.2
287505 2003 BO_{55}	15.9	X	345.55656	352.82638	145.67835	9.70343	0.1481261	0.22514455	2.6760553	20	—	—
287506 2003 BS_{56}	16.0	X	286.32887	197.80207	309.58249	9.59942	0.1156835	0.21895064	2.7262891	20	—	—
287507 2003 BQ_{58}	16.1	X	251.33900	214.41791	325.12730	6.90364	0.1523358	0.21527906	2.7571995	20	—	—
287508 2003 BF_{62}	16.6	X	129.70595	32.72370	52.60633	5.22781	0.1359686	0.24229860	2.5482114	20	4 30.2	20.4
287509 2003 BL_{63}	16.6	X	350.43615	298.93332	137.25211	17.88722	0.1039475	0.21834202	2.7313531	20	—	—
287510 2003 BM_{63}	14.9	X	0.61672	192.42548	326.51662	16.16224	0.1122142	0.17114295	3.2128963	20	2 6.1	18.9
287511 2003 BP_{65}	16.8	X	78.49295	293.73140	156.37025	5.88658	0.2379149	0.23528278	2.5986190	20	3 19.7	19.8
287512 2003 BV_{69}	16.8	X	57.61399	151.28135	81.31163	6.32931	0.1464480	0.30760075	2.1734240	20	8 30.7	19.3
287513 2003 BA_{73}	16.1	X	346.24058	218.06210	341.61502	5.97061	0.2362384	0.23053445	2.6341803	20	2 8.8	18.8
287514 2003 BD_{73}	16.8	X	193.08391	249.80567	212.87037	7.13824	0.2235014	0.25442296	2.4665988	20	7 20.8	21.0
287515 2003 BM_{75}	15.2	X	163.48998	13.10089	357.79308	16.01138	0.1400768	0.17940074	3.1135313	20	3 8.8	20.2
287516 2003 BY_{76}	15.7	X	89.74851	56.06434	74.52811	11.89487	0.2098511	0.18360006	3.0658730	20	5 24.4	20.1
287517 2003 BA_{78}	17.0	X	110.68153	120.99487	348.76355	5.33368	0.1370249	0.29840050	2.2178714	20	5 6.6	19.9
287518 2003 BW_{83}	16.3	X	16.93927	353.00604	138.98496	12.20117	0.2106691	0.22806475	2.6531630	20	1 8.3	18.8
287519 2003 BB_{93}	16.1	X	5.50510	182.21367	273.52920	11.83935	0.0737264	0.22237211	2.6982520	20	—	—
287520 2003 CU_{5}	14.9	X	357.55366	208.78706	323.72685	20.16217	0.1042225	0.17571280	3.1569457	20	2 15.7	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287521 2003 CU_8	14.8	X	321.35364	213.98118	336.31907	9.37945	0.0678107	0.17034359	3.2229398	20	1 25.5	19.2
287522 2003 CS_{10}	15.5	X	34.99643	68.02284	117.64840	11.13673	0.0405217	0.18306924	3.0717967	20	5 1.7	19.8
287523 2003 CX_{10}	17.1	X	89.06787	235.53033	304.71207	17.57722	0.0644061	0.36077758	1.9542330	20	7 16.6	19.0
287524 2003 CT_{12}	16.0	X	306.63335	167.73218	18.01460	10.36312	0.2230516	0.22299024	2.6932633	20	—	—
287525 2003 CP_{16}	17.0	X	30.83832	18.05920	107.41868	1.44229	0.1212556	0.23070297	2.6328974	20	1 29.7	19.8
287526 2003 CH_{25}	16.3	X	316.35531	116.77682	342.96219	8.81037	0.0466833	0.21212936	2.7844251	20	—	—
287527 2003 DV	17.4	X	36.00215	248.30020	292.62679	3.13866	0.0911559	0.29596158	2.2300392	20	4 17.1	19.5
287528 2003 DD_1	15.3	X	135.43769	85.75201	320.97909	17.08926	0.1109173	0.17913294	3.1166336	20	3 12.8	20.2
287529 2003 DU_1	16.0	X	215.79867	101.04738	138.04306	14.91398	0.1445180	0.21601623	2.7509232	20	—	—
287530 2003 DH_4	16.4	X	2.92801	284.74722	244.91474	10.66895	0.2709348	0.23128173	2.6285031	20	1 20.9	18.9
287531 2003 DZ_6	16.5	X	104.30061	345.88733	129.63905	12.04323	0.0985118	0.24055031	2.5605432	20	5 9.6	20.2
287532 2003 DF_8	16.5	X	299.38985	18.47764	134.44818	5.93421	0.1032465	0.21839617	2.7309015	20	—	—
287533 2003 DP_8	16.7	X	346.37029	86.33667	48.53103	2.50278	0.1746930	0.22382068	2.6865973	20	—	—
287534 2003 DY_{12}	15.6	X	77.38155	310.68876	171.63695	9.60135	0.0400585	0.17656754	3.1467492	20	4 4.9	19.9
287535 2003 DM_{14}	15.0	X	59.61360	132.21554	9.70390	19.82984	0.0916140	0.17772169	3.1331109	20	4 8.3	19.2
287536 2003 DX_{23}	17.8	X	188.92908	72.76740	40.23049	2.54875	0.0895053	0.30904866	2.1666303	20	8 13.4	20.5
287537 2003 EN_2	17.2	X	243.16001	254.48838	292.35808	0.51835	0.1257529	0.27083511	2.3659165	20	—	—
287538 2003 ED_8	16.4	X	354.32740	359.19094	188.88255	7.46911	0.1622896	0.23152944	2.6266280	20	2 14.4	19.2
287539 2003 ER_{11}	15.2	X	52.95811	152.38848	344.08268	27.25938	0.1198632	0.17578052	3.1561348	20	3 20.5	19.5
287540 2003 EK_{18}	15.8	X	40.59066	48.10076	109.36226	2.79225	0.1316661	0.17772210	3.1331060	20	4 8.6	19.6
287541 2003 EE_{20}	15.8	X	356.12701	29.16066	174.15001	14.19806	0.1234875	0.23279518	2.6170985	20	3 16.3	18.5
287542 2003 EO_{20}	17.1	X	331.90443	2.58388	170.67655	5.37884	0.0980766	0.28177204	2.3042917	20	—	—
287543 2003 EQ_{21}	16.9	X	70.31637	111.31562	17.37391	3.48607	0.2380957	0.23692424	2.5866026	20	4 27.7	19.9
287544 2003 EV_{22}	16.3	X	31.94225	133.00409	4.70051	14.49228	0.1395647	0.23006403	2.6377699	20	2 24.0	19.1
287545 2003 ED_{30}	16.6	X	261.61855	124.48200	325.21057	5.58427	0.0935012	0.26126734	2.4233304	20	10 5.7	19.6
287546 2003 ET_{33}	16.1	X	118.70776	133.93578	348.06930	7.97251	0.2038787	0.18466401	3.0540857	20	6 10.2	21.1
287547 2003 EO_{42}	17.0	X	345.17720	44.21110	155.67394	6.88338	0.0437376	0.28857794	2.2679177	20	2 22.4	19.3
287548 2003 EB_{45}	15.9	X	132.10774	178.59914	322.82444	12.88476	0.0901370	0.18880227	3.0092937	20	7 11.3	20.5
287549 2003 EO_{45}	15.3	X	48.91476	182.33457	345.24576	11.88929	0.0183353	0.17795428	3.1303802	20	4 15.8	19.8
287550 2003 EV_{45}	17.8	X	69.01747	196.16913	322.33952	3.98266	0.1328861	0.29502654	2.2347485	20	5 18.4	20.2
287551 2003 EW_{49}	17.3	X	323.12069	92.07509	112.26912	6.14104	0.1321788	0.28491513	2.2873136	20	1 14.0	19.8
287552 2003 EL_{51}	15.3	X	61.21652	141.12550	355.88631	25.55190	0.1459472	0.17633433	3.1495232	20	4 5.5	19.6
287553 2003 EY_{53}	15.8	X	65.16852	322.55381	183.41185	30.04849	0.3957524	0.17729596	3.1381244	20	6 10.0	20.8
287554 2003 EM_{62}	14.8	X	293.14241	111.47660	169.81236	26.01246	0.2366564	0.17418663	3.1753591	20	3 14.6	19.2
287555 2003 FM	16.7	X	28.35555	179.93070	32.06728	11.21168	0.2624428	0.23566858	2.5957822	20	6 15.4	19.1
287556 2003 FP_3	15.3	X	18.87271	126.21955	55.95176	27.79381	0.1721458	0.17405139	3.1770037	20	4 18.2	19.2
287557 2003 FG_7	16.7	X	224.46325	356.78971	321.86056	5.37126	0.1802065	0.28305220	2.2973387	20	2 18.8	20.4
287558 2003 FN_{10}	16.7	X	281.39452	157.08970	142.02943	2.30083	0.1497519	0.23195609	2.6234061	20	3 30.8	20.4
287559 2003 FT_{12}	15.3	X	9.34827	353.26208	164.41348	12.54736	0.0672969	0.17197356	3.2025427	20	2 16.3	19.5
287560 2003 FZ_{16}	17.0	X	323.33679	0.62302	151.41850	5.46610	0.0977722	0.22064230	2.7123363	20	—	—
287561 2003 FQ_{18}	16.7	X	232.34846	148.83233	344.00869	1.26861	0.0598402	0.20221674	2.8746919	20	10 20.1	20.6
287562 2003 FV_{18}	17.2	X	10.56481	189.21197	3.89828	4.94033	0.0926232	0.28960061	2.2625755	20	3 21.9	19.4
287563 2003 FS_{19}	16.0	X	273.77302	133.37385	113.89024	10.03738	0.1146904	0.22470064	2.6795787	20	1 21.7	20.0
287564 2003 FU_{21}	17.6	X	229.63775	77.05967	170.92111	6.91808	0.0714790	0.27453796	2.3445947	20	—	—
287565 2003 FX_{21}	17.5	X	138.12832	51.30449	189.89351	3.09481	0.1536670	0.25847857	2.4407297	20	11 27.2	21.2
287566 2003 FG_{22}	15.6	X	52.65844	121.19826	15.69586	13.45979	0.2232305	0.17509424	3.1643764	20	4 11.4	19.2
287567 2003 FV_{23}	15.7	X	351.08335	59.99617	173.44415	13.20351	0.1213809	0.17800278	3.1298116	20	4 26.5	19.6
287568 2003 FR_{24}	17.7	X	204.33957	130.59132	124.04565	2.20863	0.1445800	0.27196016	2.3593870	20	—	—
287569 2003 FZ_{25}	17.5	X	240.64211	50.15448	180.30020	1.98504	0.1559596	0.27397187	2.3478233	20	—	—
287570 2003 FU_{26}	16.0	X	162.54538	74.48790	8.92015	8.80501	0.1226581	0.18413176	3.0599682	20	5 28.9	21.0
287571 2003 FM_{27}	15.9	X	155.24664	245.47588	194.14250	10.06237	0.0825979	0.18163130	3.0879879	20	5 18.4	20.7
287572 2003 FX_{27}	17.7	X	110.63459	214.10392	341.06608	5.63603	0.0746108	0.30582709	2.1818191	20	9 2.1	20.3
287573 2003 FM_{31}	15.7	X	121.15839	120.87871	8.49259	11.35342	0.0606806	0.18311773	3.0712544	20	6 6.3	20.4
287574 2003 FU_{32}	13.6	X	37.30623	305.63536	14.14411	14.82135	0.0408874	0.08385230	5.1696293	20	10 4.8	20.3
287575 2003 FO_{35}	16.3	X	103.47399	341.56976	1.22161	5.99140	0.0372801	0.21312837	2.7757171	20	—	—
287576 2003 FE_{38}	16.0	X	42.05500	24.21822	1.47506	8.81322	0.0924818	0.21067780	2.7972000	20	—	—
287577 2003 FE_{42}	13.7	X	329.93876	6.87460	6.24486	7.10083	0.0581460	0.08397534	5.1645784	20	9 12.9	20.3
287578 2003 FX_{44}	16.8	X	304.76536	92.74254	13.65650	5.19317	0.1796519	0.21278398	2.7787113	20	12 20.7	19.6
287579 2003 FX_{58}	16.3	X	8.48823	138.41822	346.58283	12.52490	0.1087204	0.22290632	2.6939393	20	—	—
287580 2003 FQ_{64}	17.5	X	343.36409	11.74599	109.55182	3.21201	0.1585847	0.27613149	2.3355657	20	—	—
287581 2003 FO_{65}	17.1	X	257.12426	105.63638	122.54354	5.69052	0.1813839	0.27488266	2.3426342	20	—	—
287582 2003 FQ_{69}	16.4	X	276.16361	164.68122	91.99697	6.05960	0.2158789	0.22313842	2.6920708	20	1 25.7	20.6
287583 2003 FQ_{88}	17.1	X	278.61506	87.40993	114.84305	2.67390	0.1688758	0.27471504	2.3435870	20	—	—
287584 2003 FJ_{89}	16.9	X	179.12630	69.37998	209.21606	10.56773	0.3025391	0.26668842	2.3903782	20	—	—
287585 2003 FQ_{91}	16.2	X	349.49163	209.90659	45.43173	12.47182	0.1424446	0.23539498	2.5977932	20	5 16.6	18.8
287586 2003 FQ_{92}	17.4	X	293.34214	81.22669	103.31971	3.08854	0.1526821	0.27505306	2.3416666	20	—	—
287587 2003 FC_{102}	17.1	X	316.11383	286.69501	205.54887	9.48480	0.1618185	0.27303438	2.3531945	20	—	—
287588 2003 FX_{105}	16.9	X	30.69680	135.62945	41.40837	8.70287	0.1945153	0.23305655	2.6151414	20	4 18.9	19.3
287589 2003 FN_{106}	17.1	X	5.85446	351.53999	151.43343	5.83300	0.1411966	0.28181205	2.3040736	20	—	—
287590 2003 FK_{108}	16.3	X	273.96496	358.72345	172.34244	8.87390	0.1633125	0.21443439	2.7644353	20	—	—
287591 2003 FS_{108}	17.4	X	3.34583	53.17453	164.94210	4.85902	0.1870509	0.29113225	2.2546329	20	4 13.4	18.7
287592 2003 FC_{117}	16.9	X	233.07844	99.11986	155.72040	6.97303	0.0785804	0.27371697	2.3492807	20	—	—
287593 2003 FD_{119}	16.8	X	349.57310	87.18439	176.67666	6.39771	0.1206056	0.29429229	2.2384641	20	6 2.6	18.7
287594 2003 FK_{122}	15.8	X	262.49038	245.63716	207.20074	14.44725	0.1181733	0.20342579	2.8632903	20	9 27.6	19.8
287595 2003 FG_{123}	15.4	X	119.85096	94.27646	350.00915	10.70024	0.0953354	0.17942017	3.1133065	20	4 11.8	20.0
287596 2003 FR_{123}	17.6	X	291.23057	338.55012	188.95493	3.04071	0.1642862	0.27467320	2.3438251	20	—	—
287597 2003 FJ_{126}	16.1	X	308.13695	154.88469	172.51111	18.23321	0.2254411	0.24425513	2.5345853	20	6 5.4	19.3
287598 2003 FY_{131}	16.7	X	339.14655	70.22259	131.07883	11.63850	0.1716825	0.22694937	2.6618488	20	2 8.3	19.7
287599 2003 FM_{132}	16.5	X	186.24955	139.73714	184.81589	11.14007	0.0672898	0.22239786	2.6980437	20	1 24.0	20.6
287600 2003 FH_{133}	13.6	X	183.57617	147.08463	28.78086	10.79127	0.0903185	0.08503518	5.1215762	20	10 2.8	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287601 2003 GN	17.6	X	175.67892	240.99553	196.63997	21.89475	0.1031074	0.35588026	1.9721205	20	6 6.7	20.6
287602 2003 GS_5	17.5	X	76.14144	213.85428	16.71628	3.68234	0.1310323	0.30372545	2.1918723	20	9 16.4	20.3
287603 2003 GO_{15}	17.1	X	308.30172	244.82702	7.06425	6.11117	0.1120237	0.28836234	2.2690480	20	3 3.4	19.6
287604 2003 GQ_{24}	17.6	X	357.54120	98.19001	128.83896	4.09156	0.1739459	0.29026415	2.2591260	20	4 16.2	19.1
287605 2003 GH_{29}	16.2	X	316.59584	256.22874	348.25182	8.94480	0.3484257	0.22657982	2.6647424	20	2 6.2	19.8
287606 2003 GD_{36}	15.8	X	297.70046	108.05671	119.23757	13.59233	0.1428550	0.22424799	2.6831833	20	1 20.3	19.6
287607 2003 GZ_{37}	16.6	X	217.39594	98.93072	125.80047	4.95234	0.0464863	0.21048587	2.7989002	20	—	—
287608 2003 GW_{39}	16.0	X	307.98727	194.34943	54.75852	9.66753	0.0245828	0.17179316	3.2047843	20	3 27.6	20.5
287609 2003 GU_{40}	17.4	X	161.45941	165.46216	117.18606	4.09580	0.1817031	0.26548612	2.3975895	20	—	—
287610 2003 GF_{47}	16.9	X	271.41128	78.46307	132.48983	7.01781	0.1530671	0.21727375	2.7402985	20	—	—
287611 2003 GL_{48}	15.5	X	88.24251	132.91662	53.58381	10.22152	0.0206853	0.18491585	3.0513121	20	7 6.0	19.9
287612 2003 GD_{54}	16.7	X	217.94602	90.35291	180.07660	6.31601	0.0952411	0.27509068	2.3414531	20	—	—
287613 2003 GL_{54}	14.9	X	106.13769	333.81020	138.48468	25.24444	0.1499699	0.17988030	3.1079951	20	5 19.4	20.0
287614 2003 GV_{56}	16.2	X	234.00369	121.31649	21.18427	7.15479	0.1110286	0.25972618	2.4329073	20	11 6.3	19.4
287615 2003 HK	17.5	X	54.39265	160.56284	69.26281	3.98974	0.2082549	0.29834298	2.2181564	20	8 29.9	20.0
287616 2003 HG_4	16.9	X	312.70083	0.42082	221.66433	5.93875	0.0782468	0.28172114	2.3045692	20	1 30.7	19.9
287617 2003 HY_7	17.3	X	242.39980	13.33154	213.30247	5.78162	0.0735658	0.27069414	2.3667378	20	—	—
287618 2003 HU_{12}	15.5	X	318.80274	259.07426	70.54420	11.76810	0.0493031	0.18263460	3.0766683	20	7 17.1	19.7
287619 2003 HD_{13}	17.4	X	313.15127	128.81501	92.15591	3.24027	0.2081822	0.28139969	2.3063239	20	1 12.5	20.1
287620 2003 HW_{13}	15.1	X	99.92299	124.19529	82.18451	11.87507	0.0712164	0.18753016	3.0228874	20	8 26.7	19.7
287621 2003 HE_{14}	16.2	X	289.01715	92.67709	194.96333	10.67570	0.1199045	0.23067254	2.6331289	20	3 28.3	19.8
287622 2003 HO_{16}	17.0	X	292.38551	353.27091	232.20607	6.45120	0.0763280	0.27840694	2.3228225	20	1 10.5	20.1
287623 2003 HW_{16}	16.7	X	168.15668	356.98141	209.79567	8.33417	0.1336090	0.19950988	2.9006352	20	11 4.6	21.4
287624 2003 HA_{17}	16.4	X	267.46778	140.24604	24.52626	9.91662	0.2168095	0.21114811	2.7930449	20	12 25.9	19.9
287625 2003 HC_{22}	17.6	X	10.51759	127.61161	113.00087	3.32812	0.2333455	0.29229230	2.2486635	20	6 17.0	18.6
287626 2003 HT_{29}	17.1	X	345.54144	174.93883	50.19864	3.20688	0.1607197	0.28626062	2.2801407	20	3 18.6	19.0
287627 2003 HL_{33}	15.5	X	317.80575	271.70912	47.84407	10.99164	0.2369698	0.17851613	3.1238086	20	6 5.5	19.1
287628 2003 HV_{33}	17.0	X	332.66412	338.47961	174.26735	3.20028	0.1286905	0.21821875	2.7323815	20	—	—
287629 2003 HO_{34}	17.3	X	355.81906	7.17552	104.94651	3.12341	0.1631039	0.27361868	2.3498432	20	—	—
287630 2003 HP_{34}	16.3	X	273.52330	349.65169	196.55610	7.80501	0.1601071	0.21312259	2.7757674	20	—	—
287631 2003 HY_{34}	16.4	X	256.12656	98.34863	193.37720	12.91023	0.1257840	0.22618364	2.6678532	20	2 21.9	20.5
287632 2003 HM_{35}	16.6	X	259.03233	48.57641	161.92817	5.57224	0.1095212	0.21313212	2.7756846	20	—	—
287633 2003 HN_{35}	17.4	X	334.09941	150.90747	163.17866	5.43201	0.1663017	0.29602108	2.2297404	20	7 20.5	18.8
287634 2003 HH_{43}	15.9	X	33.21175	153.10641	40.95483	11.01828	0.1406848	0.17554092	3.1590061	20	5 13.4	19.6
287635 2003 HJ_{45}	15.4	X	340.48372	4.87685	222.92155	13.25904	0.1446978	0.17130785	3.2108341	20	3 24.4	19.4
287636 2003 HW_{54}	16.7	X	243.26599	142.74488	60.24537	3.05818	0.1162576	0.26741192	2.3860646	20	—	—
287637 2003 HZ_{54}	17.3	X	295.44833	113.28269	19.61877	1.88428	0.1338119	0.26829988	2.3807971	20	—	—
287638 2003 HP_{58}	15.5	X	265.33322	317.97271	17.81598	10.31085	0.0465471	0.18018614	3.1044772	20	5 10.7	20.1
287639 2003 JZ_1	17.7	X	320.72472	336.72987	190.52374	4.20606	0.0898254	0.27435705	2.3456253	20	—	—
287640 2003 JP_2	15.2	X	74.05474	87.49621	51.31210	26.86626	0.1647903	0.17589264	3.1547935	20	5 9.0	19.5
287641 2003 JA_4	16.5	X	307.22211	176.21271	117.44788	6.80679	0.2608300	0.23213646	2.6220470	20	4 12.0	19.8
287642 2003 JV_5	16.9	X	174.38547	142.06678	61.11015	5.87824	0.0976341	0.25630162	2.4545308	20	11 17.3	20.2
287643 2003 JP_{16}	14.5	X	346.94261	141.91622	97.78236	28.40828	0.1909364	0.17246838	3.1964143	20	5 5.4	18.7
287644 2003 JD_{18}	16.9	X	190.76873	166.08921	103.27436	7.25217	0.1763070	0.26649696	2.3915229	20	—	—
287645 2003 KW_6	17.2	X	338.90662	102.31700	122.24468	3.26969	0.1107116	0.28424306	2.2909176	20	3 12.6	19.4
287646 2003 KD_7	17.9	X	32.89414	154.12774	156.69858	8.06551	0.2670672	0.30174310	2.2014618	20	12 2.3	20.9
287647 2003 KR_7	15.7	X	41.53145	105.26058	214.79748	7.12160	0.1603507	0.24332045	2.5410720	20	11 26.0	19.1
287648 2003 KC_{10}	17.7	X	326.26218	49.91854	69.89382	23.00453	0.1124308	0.38317071	1.8773324	20	—	—
287649 2003 KF_{15}	15.7	X	113.91876	52.22683	112.20238	12.25844	0.0510433	0.17975987	3.1093829	20	7 13.1	20.1
287650 2003 KM_{16}	16.5	X	193.20025	209.34553	73.58870	7.60944	0.1554104	0.26723826	2.3870982	20	—	—
287651 2003 KV_{17}	16.2	X	66.96333	214.05560	105.19390	6.81269	0.1447549	0.25177618	2.4838553	20	12 23.1	19.8
287652 2003 KV_{19}	16.5	X	79.90328	161.63064	137.93301	6.64907	0.0833452	0.25266894	2.4780010	20	12 7.4	20.0
287653 2003 KZ_{29}	16.9	X	147.30356	69.07537	234.49128	4.47385	0.2427318	0.26350744	2.4095769	20	—	—
287654 2003 LK_9	17.5	X	227.78243	141.97097	99.50069	3.79733	0.1431085	0.26865445	2.3787019	20	—	—
287655 2003 MW_2	17.1	X	281.23195	150.13366	132.62880	6.78380	0.1361141	0.27687716	2.3313705	20	3 7.9	20.2
287656 2003 MF_4	15.0	X	96.78711	0.32675	258.79040	15.78792	0.1827607	0.18511567	3.0491158	20	10 29.8	20.0
287657 2003 ME_5	16.6	X	115.65318	198.34474	126.69396	12.65870	0.2690032	0.25490319	2.4634998	20	—	—
287658 2003 MJ_8	15.6	X	22.71101	174.37305	141.46770	15.25296	0.2135045	0.18068292	3.0987840	20	10 24.6	19.6
287659 2003 MV_9	15.8	X	295.20242	6.30803	291.87043	13.30443	0.2313728	0.22412447	2.6841691	20	3 26.7	19.8
287660 2003 ND_1	16.7	X	2.57154	161.82547	103.05235	11.75590	0.1940896	0.28917934	2.2647723	20	7 6.5	18.0
287661 2003 NZ_4	15.8	X	202.79688	166.79226	97.11350	16.41544	0.2374508	0.20477345	2.8507138	20	—	—
287662 2003 NW_6	17.2	X	250.18410	230.24613	94.62391	8.72572	0.3030181	0.27661823	2.3328251	20	3 17.8	21.3
287663 2003 NY_{11}	15.7	X	28.40766	92.05557	284.40978	11.71610	0.1939138	0.18768812	3.0211910	20	—	—
287664 2003 NS_{12}	16.4	X	338.09996	86.60597	297.26604	11.75369	0.2076962	0.23825356	2.5769725	20	11 8.9	18.9
287665 2003 OD_2	17.3	X	127.49326	346.39669	289.78788	5.39756	0.2149456	0.31053659	2.1597038	20	—	—
287666 2003 OS_4	17.0	X	8.05666	37.10995	272.94330	7.26398	0.1722912	0.29469931	2.2364025	20	9 29.9	19.1
287667 2003 OH_8	17.6	X	305.87861	189.02769	114.26492	4.06775	0.2145859	0.28384499	2.2930590	20	4 26.6	20.0
287668 2003 OQ_8	17.0	X	249.88319	277.00827	67.12967	3.48016	0.2340569	0.27859928	2.3217532	20	4 12.4	20.5
287669 2003 OM_{12}	16.9	X	231.08339	133.46238	164.92464	13.35545	0.2548802	0.27049265	2.3679130	20	1 28.7	21.2
287670 2003 OT_{20}	15.2	X	69.97467	290.79271	328.98224	14.35353	0.2098481	0.18243457	3.0789168	20	10 3.3	20.0
287671 2003 OE_{23}	17.2	X	254.51322	199.39859	150.83300	3.44825	0.1848953	0.28037385	2.3119461	20	4 29.8	20.6
287672 2003 OH_{27}	17.2	X	200.54168	103.75726	199.62808	1.03177	0.1860549	0.26558151	2.3970154	20	1 12.7	20.9
287673 2003 PU_1	17.4	X	35.10051	157.83788	137.14292	7.76333	0.2240446	0.29610001	2.2293441	20	11 7.8	20.2
287674 2003 PR_6	15.1	X	352.64478	194.00617	166.59518	18.10436	0.2036464	0.17685507	3.1433377	20	10 25.4	18.7
287675 2003 QE_1	16.8	X	108.67636	45.70693	200.13291	7.44145	0.2102051	0.24246006	2.5470800	20	11 6.8	21.1
287676 2003 QP_1	15.8	X	52.17925	157.46240	174.77651	10.64069	0.1098360	0.18333416	3.0688368	20	12 4.5	20.3
287677 2003 QB_4	17.3	X	330.60639	42.38634	296.68635	5.50277	0.1997116	0.29005196	2.2602277	20	8 23.1	18.6
287678 2003 QY_4	15.8	X	269.63245	184.72507	307.22087	11.60363	0.0245483	0.24697638	2.5159332	20	12 22.9	19.1
287679 2003 QV_6	17.7	X	152.29563	42.57445	262.10014	1.27537	0.1891356	0.31559013	2.1365863	20	—	—
287680 2003 QG_{14}	15.9	X	293.29891	119.47527	180.21599	17.65622	0.1756593	0.22066631	2.7121396	20	4 13.8	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287681 2003 QO_{14}	15.8	X	75.45980	74.83720	256.38745	6.74120	0.0419417	0.18806405	3.0171636	20	12 20.9	20.1
287682 2003 QX_{14}	15.3	X	225.45470	256.88984	186.01151	12.95213	0.1559544	0.16790973	3.2540094	20	7 25.4	20.6
287683 2003 QA_{17}	15.7	X	349.52668	216.96344	146.42317	12.05160	0.1401580	0.17791558	3.1308341	20	10 19.6	19.5
287684 2003 QQ_{17}	17.0	X	251.65238	131.18922	143.66545	9.70397	0.2117118	0.26994309	2.3711257	20	1 19.5	21.0
287685 2003 QA_{18}	17.4	X	353.82457	16.84606	14.85752	3.73647	0.1571501	0.30001119	2.2099261	20	—	—
287686 2003 QK_{18}	16.5	X	70.65012	349.74008	330.73974	8.31832	0.1061912	0.24492072	2.5299913	20	12 23.4	20.2
287687 2003 QS_{19}	17.4	X	318.48984	230.35586	130.54984	3.00664	0.1529116	0.28958887	2.2626366	20	9 5.9	19.1
287688 2003 QY_{20}	16.7	X	306.97586	352.25397	0.36288	7.22081	0.1312121	0.28613385	2.2808141	20	8 1.4	18.8
287689 2003 QN_{21}	15.9	X	24.03663	200.27391	165.03291	31.91630	0.1396732	0.24074831	2.5591390	20	12 29.5	20.0
287690 2003 QF_{22}	16.7	X	272.68486	62.24527	302.96490	5.91795	0.1537119	0.28289171	2.2982075	20	6 15.6	19.5
287691 2003 QD_{23}	15.6	X	317.32884	232.10310	175.52306	15.89610	0.1847417	0.17703477	3.1412102	20	10 16.0	19.1
287692 2003 QX_{27}	16.3	X	34.13342	80.99209	263.30315	12.00404	0.1991036	0.23918307	2.5702918	20	12 21.7	19.7
287693 Hugonnaivilma	17.9	X	221.39593	110.56606	244.43088	1.51383	0.2179259	0.27340836	2.3510481	20	3 31.5	21.9
287694 2003 QL_{31}	15.3	X	356.76497	63.05696	311.20066	25.75987	0.1817655	0.17997519	3.1069025	20	11 5.2	19.5
287695 2003 QM_{31}	16.6	X	127.52015	28.87646	329.77311	3.56347	0.2339027	0.25889374	2.4381196	20	1 18.5	20.0
287696 2003 QD_{34}	17.1	X	82.52646	192.99627	182.32724	2.37175	0.2152857	0.25380578	2.4705959	20	—	—
287697 2003 QA_{36}	16.0	X	270.61438	355.28461	335.37101	11.05953	0.1751873	0.21957695	2.7211024	20	4 18.9	20.2
287698 2003 QP_{37}	17.8	X	193.60462	116.19918	167.37206	3.37678	0.1677380	0.31919667	2.1204619	20	—	—
287699 2003 QG_{38}	17.1	X	178.46055	355.66795	313.94509	1.81305	0.1940693	0.26181040	2.4199782	20	1 2.4	20.8
287700 2003 QJ_{43}	16.4	X	300.16009	199.90477	179.68089	6.31698	0.2644969	0.22830437	2.6513063	20	7 27.2	19.3
287701 2003 QC_{45}	17.3	X	269.52115	340.62534	359.81263	5.96855	0.1899254	0.27993439	2.3143651	20	4 29.6	20.6
287702 2003 QE_{46}	17.4	X	206.78416	264.82720	122.88352	0.86961	0.2685629	0.27407780	2.3472183	20	4 28.9	21.5
287703 2003 QR_{48}	15.3	X	29.20634	168.76373	156.81426	13.57705	0.1317856	0.17949860	3.1123995	20	11 1.9	19.6
287704 2003 QE_{49}	16.4	X	194.49714	25.56082	343.96900	5.83720	0.0478034	0.21347015	2.7727536	20	3 29.9	20.5
287705 2003 QC_{53}	17.3	X	266.93762	261.23870	79.33323	3.42702	0.2339760	0.27938400	2.3174037	20	4 24.5	20.5
287706 2003 QQ_{53}	16.1	X	245.02106	2.06496	347.29099	9.90752	0.2446494	0.21795667	2.7345715	20	4 11.5	20.7
287707 2003 QT_{59}	16.7	X	243.10144	315.64250	0.32685	11.41170	0.2898234	0.27236925	2.3570239	20	2 29.9	20.9
287708 2003 QW_{62}	17.6	X	81.63026	195.70391	110.94371	2.20402	0.2170944	0.30325746	2.1941268	20	—	—
287709 2003 QT_{68}	16.7	X	19.25082	345.64046	346.07792	7.44100	0.1802685	0.23816096	2.5776404	20	11 9.1	19.8
287710 2003 QB_{69}	16.2	X	48.84058	251.74089	70.13441	7.88606	0.2662603	0.24228884	2.5482798	20	12 19.0	19.9
287711 2003 QO_{69}	16.2	X	319.25656	294.64503	74.88657	1.98167	0.0927417	0.17474490	3.1685924	20	9 3.9	20.2
287712 2003 QR_{85}	15.5	X	316.28476	202.54411	186.77619	16.84569	0.1944325	0.17321949	3.1871675	20	9 13.0	19.1
287713 2003 QB_{87}	15.3	X	7.25348	191.36488	162.40824	14.84687	0.1041377	0.17972850	3.1097448	20	11 1.9	19.4
287714 2003 QC_{90}	17.0	X	234.94848	110.50634	153.79230	2.46435	0.0162545	0.20360736	2.8615877	20	1 10.5	21.1
287715 2003 QH_{94}	17.5	X	35.87557	211.38107	125.40085	7.08393	0.2144303	0.30044961	2.2077757	20	12 30.9	20.4
287716 2003 QC_{95}	16.9	X	338.98824	232.11958	86.94032	8.13434	0.1545683	0.28715713	2.2753925	20	8 14.6	18.7
287717 2003 QD_{95}	16.8	X	142.46823	188.42196	126.83761	12.56202	0.2526810	0.25530260	2.4609298	20	—	—
287718 2003 QK_{95}	17.8	X	230.96565	258.50787	213.54288	6.92817	0.0452268	0.29257599	2.2472097	20	10 8.3	20.3
287719 2003 QC_{102}	17.6	X	125.48715	195.67176	144.35588	2.57240	0.1983804	0.25611896	2.4556977	20	—	—
287720 2003 QA_{105}	15.6	X	20.30622	54.14135	264.17628	3.31872	0.1206282	0.17733168	3.1377030	20	10 2.9	19.6
287721 2003 QB_{110}	17.4	X	240.17014	190.02618	255.94954	2.02672	0.1230464	0.29004075	2.2602859	20	8 31.6	20.1
287722 2003 QR_{114}	16.1	X	63.69157	8.62255	286.53148	13.51653	0.1253498	0.23784213	2.5799435	20	11 11.1	20.0
287723 2003 QX_{119}	15.8	X	27.49892	72.99069	293.74944	14.94124	0.1025311	0.18325359	3.0697362	20	12 13.6	20.1
287724 2003 QB_{120}	16.1	X	60.22990	109.68692	254.90641	7.72391	0.0625198	0.18829910	3.0146522	20	—	—
287725 2003 RG	17.1	X	236.89951	337.18124	42.86208	8.07036	0.2326580	0.27720570	2.3295280	20	5 14.9	20.7
287726 2003 RC_{8}	17.0	X	13.75927	45.33917	313.87976	17.61919	0.0860366	0.35586109	1.9721913	20	—	—
287727 2003 RX_{8}	16.9	X	180.25712	311.28904	81.80481	3.49586	0.1860902	0.27099310	2.3649968	20	4 15.7	20.7
287728 2003 RF_{12}	17.0	X	44.12667	281.18969	82.48152	5.22886	0.2324719	0.24506694	2.5289849	20	—	—
287729 2003 RD_{15}	17.9	X	55.60247	92.88447	232.38254	2.99887	0.1839011	0.30111284	2.2045327	20	—	—
287730 2003 RB_{19}	16.3	X	335.43052	151.88436	183.64562	3.90963	0.1625137	0.22961640	2.6411969	20	8 18.7	18.9
287731 2003 RN_{19}	17.4	X	305.96625	25.61153	333.16056	4.38830	0.1877735	0.28686167	2.2769546	20	7 29.8	19.3
287732 2003 RS_{21}	17.2	X	331.09994	3.37988	12.98172	4.07524	0.1396986	0.29393817	2.2402616	20	10 29.9	18.8
287733 2003 RT_{25}	16.6	X	47.20843	55.74659	292.63517	12.48015	0.2136529	0.24257299	2.5462894	20	—	—
287734 2003 RD_{27}	16.3	X	65.31051	149.13321	175.48753	15.74436	0.2157861	0.24095741	2.5576583	20	12 31.8	20.6
287735 2003 SM_{1}	17.3	X	110.61842	301.87554	181.32738	4.96989	0.0285473	0.27514144	2.3411651	20	5 13.7	20.1
287736 2003 SZ_{4}	17.0	X	231.85650	17.83758	348.09537	5.53106	0.2793160	0.27410704	2.3470513	20	4 18.3	21.1
287737 2003 SX_{5}	16.9	X	39.74905	307.91672	353.93217	6.29546	0.1746750	0.29420930	2.2388850	20	11 9.8	19.7
287738 2003 SG_{6}	16.4	X	189.66227	359.36486	65.40020	7.06117	0.0979281	0.27723610	2.3293578	20	6 3.9	19.6
287739 2003 SA_{8}	16.8	X	305.03995	49.57394	291.74421	1.04193	0.1130191	0.22384015	2.6864415	20	7 5.9	20.0
287740 2003 SU_{9}	17.1	X	60.30188	322.95592	345.87402	4.84442	0.2064083	0.23983419	2.5656376	20	12 6.9	21.1
287741 2003 SA_{12}	15.9	X	339.25607	223.75161	157.27121	4.99692	0.1633374	0.17704434	3.1410970	20	10 22.4	19.3
287742 2003 SL_{12}	17.7	X	269.76525	185.05404	128.31492	3.10790	0.2140751	0.27605554	2.3359941	20	3 25.3	21.0
287743 2003 SN_{16}	15.7	X	61.98739	75.70874	215.59275	10.01225	0.0899954	0.17837778	3.1254235	20	10 22.2	20.1
287744 2003 SS_{23}	16.4	X	13.68919	347.46944	0.07708	1.23371	0.1216969	0.17793287	3.1306314	20	10 31.9	20.3
287745 2003 SJ_{24}	17.1	X	143.05969	154.74263	186.41971	22.49514	0.1067774	0.37500165	1.9044983	20	—	—
287746 2003 SR_{26}	17.7	X	8.68437	339.50472	5.14707	1.78478	0.1821619	0.29502692	2.2347466	20	11 29.1	19.8
287747 2003 SV_{26}	17.7	X	22.37851	29.73602	251.46774	5.35048	0.1634199	0.29106988	2.2549549	20	9 10.4	19.9
287748 2003 SX_{30}	16.0	X	175.47581	66.84456	192.05770	10.19302	0.0656243	0.18790953	3.0188174	20	—	—
287749 2003 SJ_{32}	16.8	X	5.98210	73.40392	340.84534	10.91199	0.2949808	0.24091561	2.5579542	20	—	—
287750 2003 SS_{33}	17.5	X	11.30047	244.19552	167.70890	12.32426	0.2798227	0.24323482	2.5416684	20	—	—
287751 2003 SU_{35}	16.9	X	24.18687	12.17744	320.00310	5.31575	0.2087522	0.29623163	2.2286837	20	12 8.6	19.5
287752 2003 SG_{38}	16.3	X	331.79973	185.83326	254.52123	8.15255	0.1956802	0.24061527	2.5600823	20	—	—
287753 2003 SS_{39}	15.5	X	24.25833	148.56489	199.99323	14.02631	0.1954379	0.17876758	3.1208786	20	11 29.5	19.6
287754 2003 SX_{40}	15.6	X	298.65094	49.40910	330.60828	17.86928	0.1585892	0.16949219	3.2337238	20	8 9.7	19.7
287755 2003 SR_{41}	17.2	X	127.97768	352.63082	313.56593	17.84014	0.0819744	0.37030457	1.9205694	20	—	—
287756 2003 SY_{42}	17.5	X	337.62991	179.12382	216.85093	3.72588	0.1562552	0.29709794	2.2243492	20	12 17.8	19.2
287757 2003 SS_{48}	17.1	X	99.60885	144.62853	236.36822	5.34771	0.2071557	0.25458459	2.4655547	20	1 7.6	20.0
287758 2003 ST_{49}	17.8	X	345.45450	181.14121	200.82450	4.02427	0.1572817	0.29483400	2.2357214	20	12 10.8	19.7
287759 2003 SN_{54}	15.8	X	70.44189	118.84926	217.68930	10.28671	0.1392001	0.18608587	3.0385085	20	12 31.3	20.5
287760 2003 SY_{58}	16.5	X	325.16815	79.05537	289.59663	14.34047	0.2317277	0.23287016	2.6165367	20	9 5.1	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287761 2003 SV_{60}	17.5	X	307.15762	192.84006	212.60244	2.99647	0.1547621	0.29253361	2.2474267	20	10 25.2	19.1
287762 2003 SH_{61}	17.1	X	131.28835	318.65739	51.11540	2.06794	0.2036504	0.25996054	2.4314449	20	2 1.8	20.4
287763 2003 SY_{63}	16.5	X	210.37913	220.68876	195.13599	8.91346	0.3185911	0.21763146	2.7372949	20	6 4.2	21.6
287764 2003 SL_{65}	17.7	X	280.29291	131.07130	271.55308	7.35710	0.1700766	0.28804893	2.2706936	20	8 17.8	20.2
287765 2003 SU_{65}	17.1	X	28.24572	172.11170	144.17193	5.20249	0.1943010	0.29465723	2.2366154	20	11 21.6	19.7
287766 2003 SG_{67}	16.4	X	266.16080	139.41531	280.31610	3.67985	0.3154987	0.22584041	2.6705555	20	7 25.2	20.2
287767 2003 SS_{67}	17.0	X	171.71347	333.15824	348.62586	2.39999	0.2054376	0.25982321	2.4323016	20	1 12.4	20.8
287768 2003 SE_{69}	17.6	X	335.62712	64.25262	316.31217	2.53335	0.1649313	0.29321484	2.2439444	20	11 17.9	19.2
287769 2003 SE_{72}	17.0	X	189.45996	154.51492	228.68562	3.62293	0.1406649	0.27080535	2.3660898	20	4 8.6	20.7
287770 2003 SP_{74}	17.3	X	26.33679	162.05256	193.91717	8.40260	0.1730690	0.23970723	2.5665435	20	12 23.0	20.7
287771 2003 SB_{79}	17.4	X	142.85008	286.88537	312.88926	6.55205	0.1583366	0.30097714	2.2051952	20	12 5.8	20.9
287772 2003 SE_{82}	17.0	X	93.70041	297.13528	8.18711	10.50313	0.1908790	0.24490436	2.5301040	20	—	—
287773 2003 SD_{83}	17.0	X	324.54310	295.01427	24.95639	3.23244	0.0875920	0.22422861	2.6833379	20	7 11.5	20.1
287774 2003 SA_{86}	15.8	X	5.74153	233.43589	208.54165	9.69254	0.2678635	0.18535543	3.0464859	20	—	—
287775 2003 SD_{88}	17.3	X	65.70413	285.47924	24.88876	5.24594	0.2906629	0.24212128	2.5494553	20	12 22.7	21.5
287776 2003 SA_{89}	15.6	X	18.08982	132.68136	254.53109	8.09676	0.1474497	0.18592947	3.0402122	20	12 31.9	19.5
287777 2003 SO_{91}	16.1	X	162.54616	43.61753	357.19005	6.28133	0.0358547	0.20896094	2.8125007	20	4 1.7	20.0
287778 2003 SX_{93}	16.3	X	244.69987	219.23398	212.13506	5.59934	0.2171561	0.22286338	2.6942853	20	7 28.1	20.5
287779 2003 SZ_{98}	14.9	X	24.56751	343.79785	307.16934	14.31232	0.1907358	0.17328119	3.1864109	20	9 7.7	19.0
287780 2003 SJ_{102}	15.6	X	71.70326	14.92598	328.00111	15.63273	0.1078301	0.18636722	3.0354497	20	—	—
287781 2003 SS_{103}	15.3	X	349.43254	176.82762	194.65210	17.68449	0.2012977	0.17497655	3.1657952	20	10 30.5	18.7
287782 2003 SP_{109}	17.1	X	56.92327	77.65141	238.84246	4.62274	0.2180003	0.29897790	2.2150149	20	12 26.2	20.4
287783 2003 SE_{113}	16.2	X	83.11931	60.57775	242.45118	9.44227	0.0759763	0.18539595	3.0460420	20	11 29.5	20.5
287784 2003 SG_{116}	17.0	X	8.39303	239.62583	101.47600	7.60473	0.1548709	0.29513711	2.2341903	20	11 21.2	19.3
287785 2003 SX_{117}	17.5	X	133.60267	10.33534	354.05123	0.95355	0.2019867	0.25735266	2.4478433	20	1 28.1	21.0
287786 2003 SN_{119}	16.5	X	328.01801	236.58770	32.60033	7.29194	0.1378831	0.27837835	2.3229815	20	4 25.1	18.6
287787 Karády	17.4	X	40.00957	59.69541	305.33337	5.42129	0.0978560	0.24451870	2.5327637	20	—	—
287788 2003 SY_{133}	17.2	X	352.79355	213.47836	141.46172	4.94694	0.1654682	0.29342653	2.2428650	20	11 15.5	19.2
287789 2003 SP_{134}	17.4	X	215.71408	73.71584	217.23758	4.38759	0.2214855	0.26494084	2.4008781	20	1 10.2	21.6
287790 2003 SB_{139}	17.0	X	323.17705	334.18390	342.98107	5.53228	0.2330276	0.28310793	2.2970372	20	6 18.3	18.8
287791 2003 SQ_{140}	16.1	X	60.67824	341.91916	313.10477	11.30063	0.1860482	0.23638425	2.5905403	20	11 14.5	20.1
287792 2003 SO_{143}	17.1	X	185.70558	353.59241	335.38614	5.22444	0.1448379	0.26106632	2.4245743	20	1 30.7	20.9
287793 2003 SR_{143}	17.1	X	278.74854	139.39598	212.50682	5.74008	0.1300183	0.27950896	2.3167130	20	6 9.2	19.9
287794 2003 SU_{146}	17.0	X	7.25863	92.34276	244.34449	4.29163	0.1674042	0.29187455	2.2508086	20	11 11.5	19.1
287795 2003 SY_{152}	16.4	X	341.16474	25.81587	40.12924	9.33395	0.1353023	0.24194516	2.5506924	20	—	—
287796 2003 SJ_{155}	16.8	X	157.11184	156.61713	266.54681	1.44261	0.1982349	0.26812692	2.3818209	20	5 1.9	20.5
287797 2003 SL_{155}	16.9	X	40.06533	113.44328	204.38623	5.69595	0.1356010	0.29526359	2.2335523	20	11 29.5	19.6
287798 2003 SS_{159}	17.1	X	311.73052	27.88609	314.68409	6.90578	0.1602014	0.28607727	2.2811148	20	7 19.2	19.1
287799 2003 SK_{161}	17.5	X	94.60637	226.31964	119.99318	3.15910	0.1635475	0.30924106	2.1657315	20	—	—
287800 2003 SO_{161}	16.6	X	10.03160	163.88658	139.38829	2.91107	0.1194692	0.23037887	2.6353661	20	9 7.7	19.6
287801 2003 SD_{163}	17.4	X	39.32760	189.07054	178.44392	6.14188	0.1882343	0.24197841	2.5504587	20	—	—
287802 2003 SG_{163}	15.1	X	110.68250	288.69708	26.24745	9.01750	0.0911198	0.18637002	3.0354192	20	—	—
287803 2003 SU_{165}	16.6	X	151.34573	1.65432	65.53738	6.57023	0.0949226	0.27138071	2.3627444	20	4 26.7	19.9
287804 2003 SG_{166}	16.5	X	332.38293	201.44993	142.48677	4.55528	0.1100218	0.23116588	2.6293812	20	8 28.9	19.4
287805 2003 SC_{172}	17.0	X	297.08846	192.12873	111.20357	1.28691	0.0978500	0.27823917	2.3237560	20	5 1.9	19.4
287806 2003 SH_{172}	17.7	X	323.74443	75.17056	280.87664	2.41203	0.1441955	0.28816586	2.2700793	20	9 7.2	19.6
287807 2003 SU_{172}	17.3	X	167.06555	8.51418	32.04480	0.96849	0.2472781	0.26805271	2.3822605	20	4 14.4	21.3
287808 2003 SP_{173}	15.9	X	77.66529	149.50879	202.44349	9.78917	0.0927994	0.18787587	3.0191780	20	—	—
287809 2003 SR_{175}	17.4	X	50.66790	250.46262	42.91471	2.18983	0.0554234	0.29365744	2.2416891	20	10 27.7	20.1
287810 2003 SJ_{176}	16.4	X	176.70360	46.39217	3.81715	4.66952	0.1164837	0.21322669	2.7748638	20	5 1.8	20.7
287811 2003 SS_{180}	15.9	X	323.59584	91.28179	342.78674	12.77528	0.1860431	0.18008807	3.1056040	20	11 28.2	19.5
287812 2003 SW_{180}	16.2	X	208.33462	50.52001	262.49586	4.59532	0.0522806	0.20569685	2.8421759	20	2 5.5	20.4
287813 2003 SD_{183}	17.1	X	75.86445	293.11548	15.97819	8.46723	0.1274359	0.24256555	2.5463415	20	12 15.3	21.0
287814 2003 SR_{183}	14.4	X	20.32367	58.46949	337.61645	10.23903	0.1990062	0.12390440	3.9848463	20	—	—
287815 2003 SC_{186}	16.0	X	226.33131	20.02566	321.54699	5.03206	0.0282783	0.21263080	2.7800457	20	4 1.2	19.9
287816 2003 SV_{187}	15.6	X	314.63791	179.46684	247.91574	7.71876	0.0392560	0.18187808	3.0851939	20	11 12.7	19.7
287817 2003 SX_{189}	17.6	X	44.48433	295.57142	42.68949	4.53526	0.2182157	0.30114564	2.2043726	20	—	—
287818 2003 SH_{190}	17.3	X	52.79988	226.32594	124.08187	5.43844	0.3108057	0.24294688	2.5436762	20	—	—
287819 2003 SN_{190}	17.7	X	224.40105	120.02033	289.04239	2.24829	0.1513912	0.27827917	2.3235334	20	6 17.8	21.1
287820 2003 SE_{193}	16.4	X	104.56719	346.58295	305.84862	7.74378	0.1146158	0.24236939	2.5477151	20	12 24.1	20.3
287821 2003 SG_{193}	15.6	X	223.77378	159.57695	260.53006	7.56380	0.1362842	0.21949949	2.7217426	20	7 1.2	19.6
287822 2003 SO_{193}	16.7	X	315.68445	167.26020	262.23571	8.00091	0.1425166	0.23773651	2.5807075	20	11 30.4	19.2
287823 2003 SK_{194}	17.0	X	23.63722	94.93348	275.39753	5.38324	0.0832550	0.30034087	2.2083086	20	—	—
287824 2003 SK_{195}	16.8	X	155.91146	70.68414	312.14089	5.43064	0.1485145	0.26299902	2.4126813	20	3 6.0	20.4
287825 2003 SX_{195}	17.2	X	59.42049	29.43791	332.17297	3.90569	0.2371169	0.24447671	2.5330537	20	—	—
287826 2003 SA_{197}	15.2	X	336.35274	350.89808	307.16075	13.94058	0.3725555	0.16797276	3.2531954	20	5 22.8	18.3
287827 2003 SC_{198}	17.3	X	142.16342	140.91674	174.08058	9.45041	0.1997819	0.25379718	2.4706517	20	—	—
287828 2003 SY_{198}	16.8	X	82.97151	56.41550	266.73970	6.16479	0.1411731	0.30201762	2.2001275	20	—	—
287829 2003 SB_{201}	17.1	X	145.56191	156.58707	5.29979	2.63826	0.0146562	0.22834655	2.6509797	20	8 19.8	20.5
287830 2003 SL_{201}	16.7	X	35.45123	182.45260	232.20213	19.53396	0.1076434	0.36703714	1.9319507	20	—	—
287831 2003 SM_{201}	17.2	X	179.01463	74.86800	185.85375	21.80056	0.0492084	0.36705574	1.9318854	20	—	—
287832 2003 SD_{203}	16.9	X	44.23807	156.57812	186.97464	4.48425	0.0593264	0.24170134	2.5524075	20	12 14.3	20.3
287833 2003 SF_{203}	17.7	X	259.30748	124.87133	212.17964	2.34721	0.1976794	0.27678873	2.3318670	20	4 14.6	21.0
287834 2003 SY_{203}	17.6	X	163.63291	260.05877	164.05364	1.47008	0.1624096	0.27042324	2.3683181	20	5 8.4	21.3
287835 2003 SP_{204}	17.3	X	199.76510	169.93230	207.09960	8.54797	0.2624924	0.26861387	2.3789415	20	4 10.1	21.6
287836 2003 SL_{208}	15.8	X	350.65431	97.66059	258.38246	3.80401	0.1604313	0.17647658	3.1478305	20	10 6.3	19.5
287837 2003 SY_{209}	17.2	X	46.74190	87.54652	251.41410	4.87330	0.2103678	0.29888240	2.2154868	20	—	—
287838 2003 SV_{215}	16.1	X	204.80807	225.48661	214.95987	5.46787	0.1752411	0.21768910	2.7368117	20	7 5.1	20.6
287839 2003 SY_{218}	15.0	X	344.60644	125.50297	217.58891	9.24930	0.2762546	0.16916021	3.2379532	20	9 4.5	18.1
287840 2003 SD_{219}	17.9	X	146.08556	267.52820	178.67740	21.89454	0.0723119	0.39046801	1.8538692	20	5 13.6	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287841 2003 SL_{219}	17.6	X	33.71639	163.22530	191.44710	4.93242	0.3191192	0.23967179	2.5667965	20	—	—
287842 2003 SX_{219}	15.7	X	2.83307	161.43620	168.32396	15.61777	0.1455817	0.17472086	3.1688830	20	9 24.7	19.4
287843 2003 SO_{226}	16.5	X	320.33477	28.49347	26.76666	3.60429	0.1417457	0.17511679	3.1641048	20	10 31.0	20.1
287844 2003 SN_{229}	17.4	X	33.03058	286.95507	61.36905	2.93447	0.1524743	0.29730605	2.2233110	20	—	—
287845 2003 SC_{231}	15.7	X	81.06693	295.94317	29.29280	9.27406	0.0775955	0.18632121	3.0359493	20	12 23.6	20.3
287846 2003 SD_{231}	17.1	X	273.34266	237.91750	150.81788	6.28518	0.1009580	0.28540478	2.2846967	20	7 30.6	19.5
287847 2003 SQ_{235}	16.4	X	143.80835	13.39527	17.56609	10.58435	0.2048910	0.26563709	2.3966811	20	3 13.8	20.1
287848 2003 SQ_{236}	17.2	X	282.28890	305.06017	342.80953	2.29638	0.2559332	0.27462198	2.3441165	20	2 28.5	20.7
287849 2003 SY_{237}	17.3	X	141.68848	142.18605	239.78694	1.53976	0.2160236	0.26033049	2.4291408	20	2 27.3	21.0
287850 2003 SR_{242}	17.2	X	298.38376	247.84563	29.70723	2.59140	0.2078226	0.27245317	2.3565399	20	3 11.4	20.3
287851 2003 ST_{242}	17.0	X	166.65458	210.62542	29.50225	3.13385	0.1740340	0.24249675	2.5468230	20	12 17.3	21.0
287852 2003 SD_{244}	16.4	X	259.83654	165.99670	190.30189	4.80358	0.1770180	0.21746088	2.7387263	20	5 15.8	20.4
287853 2003 SX_{246}	16.9	X	200.39838	152.41589	172.42633	4.75714	0.1952224	0.26426772	2.4049533	20	2 7.0	20.9
287854 2003 SV_{250}	16.3	X	225.61254	225.80001	190.98130	8.20895	0.1671065	0.21907374	2.7252677	20	6 26.1	20.7
287855 2003 SA_{252}	15.8	X	197.26065	10.73888	42.28056	11.31090	0.2632666	0.21077203	2.7963663	20	5 22.1	20.7
287856 2003 SQ_{254}	17.5	X	29.13072	31.63061	346.94435	0.82189	0.1258998	0.24269909	2.5454073	20	—	—
287857 2003 SW_{255}	16.6	X	192.16542	208.50477	202.36838	5.99198	0.1116836	0.27187085	2.3599037	20	5 19.6	20.1
287858 2003 SW_{256}	17.0	X	163.01539	107.87861	330.09013	2.71091	0.0694805	0.27535799	2.3399375	20	5 20.9	20.3
287859 2003 SJ_{260}	15.6	X	324.53744	156.43495	223.68346	3.97707	0.1218052	0.17543320	3.1602991	20	9 22.0	19.4
287860 2003 SA_{263}	17.3	X	255.19569	255.99811	144.00013	5.28807	0.1272239	0.28245356	2.3005836	20	7 15.8	20.2
287861 2003 SC_{266}	15.6	X	287.55521	67.74578	27.70670	5.02819	0.1191457	0.17752009	3.1354825	20	11 1.6	19.6
287862 2003 SW_{274}	17.4	X	24.58065	271.33759	86.88344	1.81974	0.1637655	0.23860012	2.5744766	20	12 22.2	20.6
287863 2003 SM_{275}	15.9	X	331.10098	333.00490	17.35950	14.87605	0.0864096	0.22836164	2.6508630	20	9 10.8	19.1
287864 2003 SA_{278}	16.1	X	264.59433	175.48142	346.52256	14.93097	0.0435520	0.24504618	2.5291277	20	—	—
287865 2003 SK_{284}	16.9	X	319.43282	80.05263	338.58032	12.67611	0.1760698	0.23651699	2.5895710	20	11 16.8	19.7
287866 2003 SK_{289}	15.7	X	84.67408	279.34760	28.04592	11.19574	0.0365838	0.18166962	3.0875536	20	11 29.0	20.2
287867 2003 SV_{292}	17.0	X	56.96034	58.25816	315.18631	9.22042	0.2697098	0.24523263	2.5278456	20	—	—
287868 2003 SE_{294}	16.9	X	8.78113	114.47845	185.43370	11.12651	0.2461822	0.28655705	2.2785680	20	10 1.8	18.5
287869 2003 SF_{295}	16.6	X	168.77453	72.26360	231.45713	6.72951	0.1113379	0.25765714	2.4459144	20	—	—
287870 2003 SG_{302}	15.6	X	349.93913	209.32223	163.74141	12.49921	0.0237799	0.17753512	3.1353056	20	10 25.9	20.0
287871 2003 SN_{303}	16.8	X	125.16185	225.78697	273.99448	5.79167	0.0728321	0.27610211	2.3357314	20	6 30.7	19.6
287872 2003 SE_{305}	15.9	X	227.59883	351.86177	8.09692	9.43524	0.1712991	0.21261779	2.7801591	20	4 16.0	20.4
287873 2003 ST_{305}	17.5	X	17.13042	51.31369	336.10379	14.54852	0.1430517	0.24246390	2.5470531	20	—	—
287874 2003 SZ_{305}	17.6	X	92.00988	77.17472	274.22901	3.99202	0.1920389	0.30800513	2.1715212	20	—	—
287875 2003 SV_{313}	15.5	X	143.20451	211.05431	40.73302	10.06992	0.0197799	0.18218953	3.0816769	20	11 29.2	19.9
287876 2003 SC_{315}	15.5	X	248.42067	212.77198	264.62004	21.34317	0.0518553	0.23494971	2.6010744	20	10 22.9	19.4
287877 2003 SJ_{318}	16.0	X	79.46195	278.82699	7.07912	4.13083	0.1025288	0.18070665	3.0985128	20	11 6.2	20.6
287878 2003 SL_{318}	16.9	X	153.71709	303.89355	342.93311	1.36124	0.0608052	0.19161291	2.9797937	20	—	—
287879 2003 SU_{319}	16.8	X	303.30004	333.95477	93.25916	4.27162	0.2038751	0.23288131	2.6164531	20	10 29.2	19.1
287880 2003 SC_{324}	18.0	X	206.98560	157.62695	190.61769	1.01634	0.1977789	0.26763947	2.3847120	20	3 12.4	21.7
287881 2003 SZ_{324}	17.2	X	12.21597	62.92608	323.03726	13.83852	0.1306789	0.24213907	2.5493305	20	—	—
287882 2003 ST_{325}	18.2	X	290.57800	15.82346	270.11379	3.13024	0.1565129	0.27517748	2.3409607	20	3 17.4	21.3
287883 2003 SX_{326}	17.2	X	145.53949	238.34792	9.29832	6.91602	0.1583547	0.24399382	2.5363946	20	12 7.6	21.3
287884 2003 SC_{329}	16.6	X	326.67428	190.19195	250.70299	6.56764	0.1633754	0.23922893	2.5699633	20	—	—
287885 2003 ST_{329}	17.1	X	296.21423	266.97937	59.82508	6.19406	0.2155301	0.28022294	2.3127761	20	5 14.6	19.5
287886 2003 SJ_{330}	18.2	X	0.43126	225.30282	44.92705	1.31423	0.1731752	0.28324201	2.2963122	20	7 8.7	19.8
287887 2003 SQ_{331}	16.2	X	336.97325	266.77922	188.33737	9.85933	0.0339778	0.18741237	3.0241538	20	—	—
287888 2003 SO_{333}	16.9	X	198.91228	195.60103	174.13247	3.06178	0.0932523	0.21150991	2.7898588	20	4 5.8	21.1
287889 2003 SG_{334}	17.1	X	52.23514	126.37238	22.50321	1.68227	0.1283589	0.26353278	2.4094225	20	4 6.8	19.5
287890 2003 SU_{336}	15.6	X	148.14387	214.07497	82.68084	11.47267	0.1600744	0.18981209	2.9986110	20	—	—
287891 2003 SE_{338}	17.7	X	97.54131	9.11929	272.16022	2.95800	0.2265693	0.24421427	2.5348681	20	12 9.9	21.8
287892 2003 SP_{342}	16.9	X	228.51176	217.97120	183.16151	5.22416	0.0482275	0.22116879	2.7080301	20	6 21.3	20.7
287893 2003 SX_{349}	16.6	X	24.83587	196.59177	13.47184	7.44952	0.0897040	0.27519324	2.3408713	20	5 12.8	19.0
287894 2003 SL_{351}	17.5	X	228.42762	248.33625	88.15720	4.26175	0.1075464	0.27005637	2.3704626	20	3 23.2	20.9
287895 2003 SO_{375}	17.6	X	329.83931	97.92052	164.81388	1.49816	0.1022731	0.27621955	2.3350693	20	4 24.6	19.8
287896 2003 SK_{377}	17.7	X	225.67773	89.59361	157.38942	1.69598	0.1419030	0.25683243	2.4511477	20	—	—
287897 2003 ST_{382}	16.6	X	93.83356	146.69270	171.66401	10.97086	0.0834200	0.18584079	3.0411793	20	12 29.3	21.3
287898 2003 SY_{388}	16.3	X	64.64769	171.43897	170.35846	10.19181	0.0720618	0.18367111	3.0650824	20	12 24.0	20.9
287899 2003 SL_{401}	16.4	X	322.47464	171.09898	166.83785	15.60758	0.1281835	0.22334142	2.6904393	20	7 27.5	19.7
287900 2003 SU_{413}	16.7	X	293.31664	76.82780	21.19384	4.74867	0.1180415	0.18018058	3.1045410	20	11 13.7	20.6
287901 2003 SO_{423}	16.0	X	49.54429	234.01331	81.60515	13.61647	0.1833259	0.23790437	2.5794935	20	12 2.2	19.6
287902 2003 SQ_{427}	15.9	X	188.74185	169.21161	32.26560	13.31244	0.0954807	0.18080851	3.0973489	20	11 14.6	20.7
287903 2003 SX_{428}	17.0	X	352.77482	201.77436	221.54001	3.10016	0.1372327	0.24454207	2.5326022	20	—	—
287904 2003 SO_{430}	18.1	X	263.36835	210.89630	142.31768	4.40276	0.2663015	0.27775477	2.3264570	20	5 4.4	21.5
287905 2003 SV_{430}	16.6	X	335.88325	63.84824	315.33990	3.61002	0.0610626	0.17309173	3.1887355	20	10 9.4	20.7
287906 2003 SQ_{433}	16.2	X	71.48102	340.72266	244.07690	10.69158	0.0760833	0.22254344	2.6968669	20	8 9.6	20.0
287907 2003 TV_{5}	16.4	X	68.40114	230.32781	241.01125	10.71599	0.0370723	0.26045351	2.4283759	20	2 22.4	19.6
287908 2003 TK_{11}	16.1	X	233.43620	34.01366	0.32051	4.67593	0.1545294	0.21777163	2.7361203	20	6 6.2	20.4
287909 2003 TR_{12}	16.9	X	257.68254	119.34322	201.13048	6.44982	0.1275832	0.27154185	2.3618095	20	3 29.5	20.3
287910 2003 TY_{19}	17.2	X	154.63295	161.22869	298.50390	4.14762	0.1082166	0.27320830	2.3521957	20	6 12.7	20.5
287911 2003 TZ_{33}	17.5	X	164.91881	35.93795	167.09464	5.18702	0.1023454	0.29464008	2.2367022	20	11 14.8	20.6
287912 2003 TG_{35}	16.7	X	28.94202	303.57427	250.55256	6.76227	0.0587989	0.26944375	2.3740543	20	4 24.4	19.3
287913 2003 TE_{37}	17.0	X	29.73082	85.92708	227.57691	13.43595	0.1535047	0.23364802	2.6107261	20	10 27.9	20.3
287914 2003 TX_{41}	16.7	X	225.90798	59.49142	329.67427	4.78865	0.0272025	0.21665285	2.7455316	20	6 3.5	20.5
287915 2003 TH_{47}	17.8	X	243.17558	191.57094	264.30308	1.94535	0.1293346	0.28705354	2.2759398	20	9 17.6	20.7
287916 2003 TJ_{47}	17.7	X	210.41303	0.15408	358.09256	6.78398	0.1291545	0.26882519	2.3776946	20	3 28.6	21.3
287917 2003 TH_{48}	15.9	X	93.45827	23.18098	269.53168	4.19613	0.0611298	0.18284903	3.0742624	20	11 26.1	20.5
287918 2003 TY_{49}	16.0	X	19.87679	77.46251	309.50128	11.19948	0.2010952	0.23974043	2.5663065	20	—	—
287919 2003 TP_{56}	16.5	X	48.78751	175.89036	132.39100	7.60473	0.0889076	0.23502077	2.6005500	20	11 10.1	20.0
287920 2003 TP_{58}	15.8	X	316.47791	123.40593	275.93528	4.25286	0.1566767	0.17553842	3.1590362	20	9 30.3	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287921 2003 UO_{1}	16.8	X	146.80292	157.23305	318.35644	5.55946	0.0503424	0.27540137	2.3396918	20	6 22.5	19.8
287922 2003 UH_{9}	17.0	X	113.74442	330.93282	77.46976	24.59500	0.0751178	0.37635555	1.8999281	20	1 24.8	19.1
287923 2003 UL_{10}	15.6	X	23.83776	305.34488	53.49476	27.88350	0.2862210	0.17789761	3.1310450	20	12 19.4	20.0
287924 2003 UZ_{19}	17.5	X	196.15459	282.84113	34.35794	28.64036	0.1321854	0.37774351	1.8952713	20	1 12.1	20.7
287925 2003 UQ_{22}	16.9	X	56.30958	242.59164	91.63165	4.80565	0.2021514	0.24012356	2.5635760	20	—	—
287926 2003 UF_{23}	16.3	X	342.76138	206.36182	221.59021	13.38528	0.1369847	0.23820559	2.5773184	20	—	—
287927 2003 UT_{29}	17.4	X	182.68853	334.66512	49.78967	21.30234	0.0587755	0.38446504	1.8731166	20	4 5.4	19.8
287928 2003 UR_{30}	16.8	X	269.20811	88.47024	260.36733	4.97823	0.0340532	0.21679501	2.7443312	20	6 5.9	20.5
287929 2003 UA_{31}	16.4	X	354.94199	289.88956	15.02205	6.82160	0.0606668	0.22459012	2.6804576	20	8 12.5	19.7
287930 2003 UG_{36}	15.8	X	102.71484	17.99840	252.82563	13.98375	0.0637883	0.23539766	2.5977736	20	11 20.2	19.5
287931 2003 UM_{39}	16.0	X	193.12783	213.82503	204.54257	4.11568	0.0990049	0.21234724	2.7825200	20	5 30.8	20.3
287932 2003 UO_{41}	17.3	X	139.82632	242.23430	190.41334	2.15827	0.1665662	0.26715675	2.3875837	20	4 26.2	20.8
287933 2003 UB_{46}	17.8	X	113.78440	1.32030	232.33353	2.63494	0.0626539	0.29060792	2.2573440	20	10 26.1	20.8
287934 2003 UA_{50}	14.9	X	46.94226	201.24048	182.03867	7.75026	0.3585777	0.12487955	3.9640748	20	—	—
287935 2003 UE_{53}	16.2	X	250.73994	251.93891	266.41497	10.85336	0.1202291	0.23780806	2.5801899	20	12 15.1	19.4
287936 2003 UP_{56}	15.9	X	5.74774	153.82665	221.74010	9.69016	0.2115454	0.17623193	3.1507430	20	12 5.6	19.6
287937 2003 UX_{58}	16.1	X	245.03702	28.58913	356.37869	6.08765	0.0395956	0.21887970	2.7268781	20	6 21.9	19.9
287938 2003 UR_{61}	17.5	X	65.92749	191.50249	143.99893	4.92752	0.2178879	0.30274272	2.1966131	20	—	—
287939 2003 UM_{70}	16.0	X	21.35220	251.72521	90.86978	2.56854	0.1364966	0.17609954	3.1523219	20	11 8.5	19.9
287940 2003 UT_{70}	16.6	X	234.32905	279.76326	178.14063	5.48175	0.2385066	0.22457802	2.6805540	20	8 18.8	20.9
287941 2003 UM_{72}	17.7	X	185.33457	265.16216	197.18483	4.95132	0.1889228	0.27812516	2.3243910	20	7 16.6	21.5
287942 2003 UV_{73}	17.2	X	12.63428	255.43063	208.04794	21.02393	0.0784884	0.36788690	1.9289746	20	—	—
287943 2003 UA_{74}	16.7	X	321.37133	231.33642	105.87090	4.39779	0.0838645	0.22428773	2.6828663	20	7 31.3	19.7
287944 2003 US_{78}	17.1	X	82.74387	68.09107	268.61335	5.10823	0.1963901	0.24525680	2.5276795	20	—	—
287945 2003 UJ_{84}	16.6	X	170.42390	24.33043	46.09829	5.11829	0.0474253	0.21169602	2.7882235	20	5 20.1	20.7
287946 2003 US_{86}	16.3	X	206.69575	285.49839	119.81890	6.32580	0.1680559	0.21285036	2.7781335	20	5 26.2	20.9
287947 2003 UH_{91}	16.4	X	266.54313	336.39147	64.04784	7.48411	0.1319473	0.22290986	2.6939107	20	7 29.6	20.1
287948 2003 UN_{91}	16.3	X	285.70546	302.70280	70.63511	6.67494	0.1072461	0.22262031	2.6962461	20	7 22.8	19.7
287949 2003 UO_{91}	15.6	X	34.88631	153.44748	193.80488	11.29692	0.0872792	0.17809898	3.1286844	20	11 26.9	20.0
287950 2003 UG_{93}	15.2	X	355.99026	184.16674	207.95030	16.40637	0.2329332	0.17900802	3.1180834	20	12 12.7	18.8
287951 2003 UY_{94}	18.3	X	176.39546	301.94659	24.76016	4.64229	0.1073200	0.31763432	2.1274095	20	1 7.4	21.1
287952 2003 UK_{97}	15.8	X	172.53986	306.27181	207.85846	13.47545	0.0453118	0.22582146	2.6707050	20	9 7.5	19.9
287953 2003 UR_{98}	16.9	X	61.12152	194.36385	140.66072	5.84980	0.2808665	0.24093647	2.5578065	20	—	—
287954 2003 UJ_{103}	16.8	X	307.60449	213.20324	186.19185	7.27407	0.1378922	0.23007811	2.6376622	20	9 30.6	19.4
287955 2003 UM_{103}	16.4	X	6.61026	177.30606	192.78950	12.40603	0.2220196	0.23603589	2.5930886	20	12 20.1	19.6
287956 2003 UP_{104}	16.9	X	247.92193	179.83124	237.89102	6.69000	0.0572468	0.28286520	2.2983511	20	8 9.2	19.7
287957 2003 UF_{105}	15.7	X	237.20076	10.42317	341.18214	13.20459	0.0129349	0.21095711	2.7947305	20	4 25.5	19.8
287958 2003 UT_{109}	16.1	X	329.09622	138.07534	241.10026	13.22072	0.0893081	0.22949249	2.6421475	20	10 7.9	19.5
287959 2003 UC_{111}	17.4	X	200.75911	34.85047	349.16110	1.17122	0.1956024	0.26918189	2.3755937	20	4 20.4	21.4
287960 2003 UR_{113}	16.5	X	342.28442	291.81551	68.85329	8.95822	0.1184282	0.23040363	2.6351773	20	10 14.5	19.4
287961 2003 UO_{120}	16.1	X	170.34292	69.90310	26.95773	9.37540	0.1383448	0.21507934	2.7589061	20	6 24.9	20.6
287962 2003 UZ_{120}	17.0	X	174.56597	274.27236	172.40220	3.27778	0.0806646	0.27486049	2.3427602	20	6 17.2	20.3
287963 2003 UR_{122}	16.6	X	63.61998	63.37818	267.09014	8.17229	0.2162790	0.24104268	2.5570551	20	—	—
287964 2003 UG_{123}	17.9	X	162.23880	33.75085	35.24718	2.60045	0.1858027	0.26758412	2.3850409	20	5 13.6	21.6
287965 2003 UR_{123}	17.6	X	306.44439	326.05253	45.32349	0.35519	0.1619597	0.28448384	2.2896248	20	8 24.3	19.4
287966 2003 UQ_{126}	16.4	X	185.55941	128.48066	290.43155	4.70530	0.0580139	0.21251121	2.7810886	20	5 22.6	20.4
287967 2003 UW_{129}	17.3	X	64.06353	100.00258	257.79221	5.37732	0.1878199	0.30255512	2.1975210	20	—	—
287968 2003 UC_{131}	16.3	X	326.38373	119.40489	275.76720	8.75286	0.0982217	0.23198177	2.6232125	20	10 27.2	19.5
287969 2003 UR_{133}	16.9	X	129.14671	241.73042	121.51197	7.48153	0.1493926	0.25491003	2.4634557	20	1 14.9	20.1
287970 2003 UR_{135}	16.6	X	271.02660	161.23876	285.12269	5.97792	0.2278985	0.22779884	2.6552273	20	9 16.3	20.1
287971 2003 US_{140}	16.7	X	135.15707	323.72260	147.31932	7.58664	0.0491492	0.27308949	2.3528779	20	6 1.9	19.9
287972 2003 UX_{147}	17.6	X	195.78759	249.42178	152.57276	5.12138	0.1974737	0.27025768	2.3692853	20	5 10.9	21.6
287973 2003 UH_{148}	17.7	X	50.65410	227.23979	154.63394	5.70116	0.3285326	0.24408922	2.5357337	20	—	—
287974 2003 UQ_{148}	15.8	X	195.93677	171.40839	230.28225	11.75848	0.1412173	0.21057216	2.7981356	20	5 11.2	20.0
287975 2003 UQ_{149}	17.9	X	38.38314	263.74771	94.21326	3.14222	0.2943635	0.24138517	2.5546358	20	—	—
287976 2003 UE_{153}	17.3	X	163.32153	213.55555	173.93230	1.97277	0.1716040	0.26336498	2.4104458	20	3 22.6	20.8
287977 2003 UA_{159}	17.1	X	170.26982	281.17519	121.77211	0.72441	0.1135222	0.26542734	2.3979435	20	4 15.5	20.5
287978 2003 UF_{159}	16.3	X	296.44708	243.14715	62.52914	4.93030	0.0887149	0.21222820	2.7835605	20	5 8.4	20.0
287979 2003 UH_{160}	16.9	X	251.74555	17.91222	18.55750	1.65957	0.0528545	0.21947981	2.7219052	20	7 14.7	20.5
287980 2003 US_{161}	17.5	X	27.27327	299.77424	19.37571	2.58290	0.1837332	0.29336678	2.2431695	20	11 20.1	20.0
287981 2003 UP_{162}	17.3	X	5.13206	221.41035	130.43149	3.27904	0.1916099	0.29293668	2.2453646	20	12 5.8	19.6
287982 2003 UQ_{164}	16.1	X	342.91482	208.15671	214.43078	9.25991	0.1882111	0.23673466	2.5879834	20	—	—
287983 2003 UQ_{165}	16.9	X	223.40226	265.83504	32.95005	3.59016	0.2080624	0.26217448	2.4177373	20	1 27.8	20.9
287984 2003 UW_{167}	17.2	X	281.86724	98.61575	318.59063	6.10588	0.1319520	0.28628599	2.2800060	20	9 19.8	19.4
287985 2003 UJ_{168}	17.2	X	24.93088	118.38536	245.87614	3.65857	0.1999302	0.29744106	2.2226382	20	—	—
287986 2003 UD_{174}	16.8	X	354.65035	117.93317	255.26859	2.25912	0.0975626	0.23375264	2.6099471	20	11 16.4	19.9
287987 2003 US_{175}	16.0	X	209.99811	254.87551	184.87155	9.33774	0.0071018	0.22272212	2.6954243	20	7 21.9	19.8
287988 2003 US_{178}	16.8	X	175.97270	58.73832	358.85885	3.89154	0.0598951	0.21175942	2.7876670	20	5 9.5	21.0
287989 2003 UX_{179}	16.6	X	23.91944	191.70907	179.90338	7.57377	0.1812506	0.23866430	2.5740150	20	—	—
287990 2003 UL_{180}	15.8	X	311.99328	286.48054	60.02334	14.68915	0.1320290	0.22285906	2.6943201	20	7 25.9	19.1
287991 2003 UP_{183}	16.9	X	191.41982	240.23951	179.04720	8.28716	0.1253691	0.27221417	2.3579191	20	5 30.3	20.6
287992 2003 UT_{183}	15.9	X	57.47437	313.05700	44.89715	1.20452	0.1957898	0.18342513	3.0678220	20	—	—
287993 2003 UC_{184}	17.9	X	37.64013	178.03266	198.96692	3.84066	0.1897022	0.30103289	2.2049229	20	—	—
287994 2003 US_{184}	17.6	X	318.39250	260.59719	139.10022	5.46296	0.1289667	0.29049358	2.2579363	20	11 11.6	19.5
287995 2003 UP_{187}	15.7	X	197.74368	43.08708	356.71675	6.47862	0.0625029	0.21050248	2.7987530	20	5 10.5	20.0
287996 2003 UC_{190}	17.4	X	159.19496	125.97260	269.75092	1.52067	0.1732519	0.26361693	2.4089097	20	3 28.3	21.2
287997 2003 UT_{190}	17.1	X	21.48315	286.58255	62.50461	3.96048	0.2493200	0.23616191	2.5921660	20	12 18.6	20.2
287998 2003 UX_{190}	16.1	X	352.45936	233.69576	156.71541	3.90677	0.1809027	0.17631876	3.1497086	20	11 28.3	19.6
287999 2003 UK_{191}	17.7	X	26.35289	194.83988	172.78696	4.43664	0.2181713	0.29822549	2.2187389	20	—	—
288000 2003 UW_{191}	16.8	X	348.47204	49.43080	338.72442	3.85749	0.2000656	0.23445966	2.6046975	20	12 8.9	19.3