Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284001 2004 TF_{98}	17.5	X	203.75723	315.06434	48.37338	2.36471	0.1435964	0.26649754	2.3915194	21	3 21.7	21.1
284002 2004 TX_{108}	17.5	X	270.52925	133.68020	186.19497	6.77353	0.1748831	0.27328535	2.3517536	21	3 28.0	20.7
284003 2004 TA_{122}	17.0	X	177.63890	237.01470	163.93684	3.22078	0.1781566	0.26676777	2.3899041	21	4 14.6	20.8
284004 2004 TP_{123}	16.9	X	159.99333	351.10424	69.53401	5.77627	0.2213809	0.26540194	2.3980965	21	4 26.7	20.7
284005 2004 TL_{127}	17.7	X	221.77026	228.56600	134.20923	3.31953	0.2445126	0.27067697	2.3668379	21	4 4.5	21.8
284006 2004 TR_{127}	16.5	X	242.35753	293.24179	19.90318	7.01767	0.1208118	0.26666872	2.3904959	21	2 26.3	20.0
284007 2004 TT_{128}	17.4	X	219.05648	315.07950	56.84406	2.08537	0.1989678	0.27093471	2.3653366	21	4 13.9	21.3
284008 2004 TB_{161}	17.5	X	182.59687	9.25514	0.95690	1.22419	0.1938141	0.26319349	2.4114927	21	3 11.7	21.3
284009 2004 TG_{163}	17.4	X	161.27196	327.93977	64.32638	1.93388	0.1935218	0.26230909	2.4169101	21	3 20.8	21.1
284010 2004 TS_{196}	15.2	X	46.12263	7.58480	27.78088	3.00902	0.2464344	0.12676187	3.9247345	21	—	—
284011 2004 TZ_{206}	17.3	X	204.04447	183.72725	207.87707	0.73376	0.1888214	0.26931595	2.3748052	21	4 25.4	21.2
284012 2004 TS_{214}	17.5	X	191.22532	53.95543	335.75285	1.99446	0.1974716	0.26700264	2.3885024	21	4 11.3	21.4
284013 2004 TG_{242}	16.6	X	202.24678	40.70802	356.88144	4.00739	0.0773663	0.21129617	2.7917400	21	5 5.2	20.9
284014 2004 TU_{274}	17.4	X	166.51625	149.40031	236.46974	1.95118	0.2105270	0.26185191	2.4197224	21	3 16.9	21.4
284015 2004 TX_{278}	16.8	X	229.86481	237.88735	66.39322	3.92327	0.2257532	0.26189372	2.4194649	21	1 31.3	20.9
284016 2004 TD_{293}	16.8	X	335.15204	302.79171	241.86533	6.70510	0.0532097	0.25516743	2.4617988	21	1 8.1	19.9
284017 2004 TG_{298}	17.4	X	237.14549	22.82398	318.45235	0.50496	0.1928574	0.26909219	2.3761215	21	3 21.9	21.2
284018 2004 TA_{362}	16.8	X	209.20782	96.02064	267.20298	7.66796	0.0962832	0.26522839	2.3991425	21	3 21.7	20.5
284019 2004 TA_{368}	17.4	X	206.32379	21.12562	342.29180	2.70617	0.2004372	0.26517842	2.3994439	21	3 22.8	21.4
284020 2004 UL_{2}	17.1	X	173.39815	183.44216	249.13171	6.41682	0.2310141	0.26878180	2.3779505	21	5 21.6	21.1
284021 2004 VE_{10}	17.3	X	134.48088	299.13856	54.99251	22.40286	0.0943309	0.36961834	1.9229458	21	—	—
284022 2004 VD_{16}	16.7	X	176.81081	266.47317	124.44931	12.47308	0.2214573	0.26388315	2.4072892	21	4 7.8	20.9
284023 2004 VP_{38}	17.1	X	217.92872	56.00730	230.85466	2.51262	0.0992942	0.25343928	2.4729771	21	—	—
284024 2004 VV_{47}	17.2	X	176.35650	124.54066	202.84149	6.16749	0.0995301	0.25262126	2.4783128	21	1 5.8	20.9
284025 2004 VV_{62}	17.4	X	181.75567	113.98928	265.87655	1.53137	0.2013380	0.26437357	2.4043113	21	3 22.1	21.3
284026 2004 VC_{64}	16.1	X	255.56032	151.76001	86.67927	7.85420	0.0968068	0.25310921	2.4751266	21	—	—
284027 2004 VL_{79}	17.1	X	220.43852	166.15917	133.47891	2.38434	0.1909906	0.25885676	2.4383519	21	1 17.5	21.0
284028 2004 WJ_{5}	16.4	X	172.86366	129.71570	249.03219	14.14928	0.1566817	0.26233935	2.4167242	21	3 4.3	20.5
284029 Esplugafrancoli	15.6	X	80.30538	284.75589	72.81947	11.03480	0.0856471	0.18138929	3.0907340	21	—	—
284030 2004 XV_{25}	15.8	X	235.02582	220.82284	293.73058	12.29352	0.2388849	0.22349994	2.6891670	21	10 16.9	20.2
284031 2004 XD_{56}	17.2	X	181.08490	211.39463	166.96729	1.02949	0.1892648	0.26041485	2.4286162	21	3 20.5	21.0
284032 2004 XS_{94}	16.1	X	78.13291	10.11292	42.78561	3.32833	0.1399612	0.24561128	2.5252468	21	—	—
284033 2004 XW_{101}	15.6	X	5.99215	140.31689	299.15644	22.11610	0.0145657	0.23500412	2.6006729	21	—	—
284034 2004 XA_{163}	16.0	X	293.41839	172.24410	303.00829	13.12580	0.1826246	0.22876958	2.6477107	21	11 29.9	19.1
284035 2004 XE_{164}	16.1	X	183.21894	223.02234	116.50087	15.55780	0.1710640	0.25728847	2.4482504	21	2 3.1	20.0
284036 2004 YO_{8}	16.8	X	132.98054	284.39262	82.05369	4.81479	0.0855695	0.25132232	2.4868447	21	1 4.1	20.0
284037 2004 YR_{19}	17.1	X	84.91811	100.63073	285.73050	5.40169	0.0824496	0.23964954	2.5669554	21	—	—
284038 2004 YP_{25}	15.9	X	356.88536	318.83257	119.81428	14.13078	0.2241913	0.23307787	2.6149819	21	—	—
284039 2004 YJ_{36}	15.7	X	353.91528	104.69268	318.18186	21.63934	0.0537731	0.22574427	2.6713137	21	—	—
284040 2005 AZ_{24}	16.0	X	11.24532	305.75232	121.89441	15.95644	0.1625283	0.23279877	2.6170716	21	—	—
284041 2005 AD_{25}	16.1	X	87.58229	161.77806	233.61778	5.27318	0.1946608	0.24225952	2.5484854	21	—	—
284042 2005 AG_{39}	16.2	X	105.30797	260.72520	103.41837	15.79243	0.1382368	0.24028993	2.5623926	21	—	—
284043 2005 AU_{46}	16.8	X	65.63531	108.30587	305.59244	5.35599	0.1029210	0.24221240	2.5488159	21	—	—
284044 2005 AA_{51}	13.1	X	214.39971	311.61289	86.21463	8.04429	0.1011616	0.08255440	5.2236721	21	5 25.6	20.5
284045 2005 AC_{53}	16.7	X	105.74701	308.50165	80.36092	4.31020	0.2224923	0.24587507	2.5234404	21	1 19.6	19.6
284046 2005 AU_{61}	13.1	X	196.23624	106.59720	331.75778	19.57623	0.0817759	0.08364232	5.1782775	21	6 25.1	20.5
284047 2005 AC_{77}	12.6	X	309.92790	344.61024	330.78909	19.82503	0.0864609	0.08148133	5.2694339	21	6 3.2	19.6
284048 2005 BG_{4}	16.6	X	118.11712	258.47819	134.03339	7.57757	0.1641556	0.24742521	2.5128896	21	1 31.0	19.8
284049 2005 BS_{6}	15.7	X	163.94562	282.30084	318.80798	10.79204	0.0295632	0.22703155	2.6612065	21	12 12.2	19.6
284050 2005 BV_{11}	16.1	X	169.89549	137.87991	105.16782	10.70276	0.1542598	0.22830424	2.6513073	21	12 16.1	20.3
284051 2005 BU_{20}	16.4	X	86.16379	179.48932	116.20024	4.64559	0.0708218	0.22161744	2.7043740	21	11 23.4	20.2
284052 2005 BY_{25}	15.8	X	221.24319	200.90957	309.44415	8.35919	0.1036535	0.21850442	2.7299995	21	10 13.6	19.9
284053 2005 BD_{37}	17.1	X	116.04508	355.49182	306.86157	3.50468	0.0626961	0.22872191	2.6480786	21	—	—
284054 2005 CO_{2}	16.2	X	38.86865	298.85876	127.39464	15.84641	0.1357403	0.23725906	2.5841686	21	—	—
284055 2005 CA_{13}	16.3	X	3.38672	295.19022	121.26239	10.82242	0.1108448	0.22948243	2.6422247	21	—	—
284056 2005 CS_{18}	16.2	X	158.57825	44.41183	140.62412	10.02904	0.1059094	0.21315466	2.7754889	21	9 28.0	20.5
284057 2005 CT_{42}	16.0	X	214.54154	7.44082	136.29392	14.36493	0.0541799	0.21794762	2.7346471	21	10 12.7	20.1
284058 2005 CV_{46}	16.7	X	235.55616	8.41260	133.34758	5.04289	0.0297708	0.21860168	2.7291896	21	11 4.9	20.4
284059 2005 CG_{54}	16.8	X	78.07780	255.00025	32.81994	3.71252	0.0464937	0.21609515	2.7502533	21	10 29.6	20.6
284060 2005 CH_{58}	16.0	X	21.64381	140.11153	311.63711	26.54111	0.1177395	0.23741063	2.5830686	21	—	—
284061 2005 CV_{64}	16.1	X	47.89507	9.66450	351.54808	6.04661	0.0427290	0.22545897	2.6735668	21	12 25.2	19.7
284062 2005 ER	15.5	X	333.84411	145.88768	347.99654	22.02725	0.0418554	0.23139056	2.6276789	21	—	—
284063 2005 EU_{1}	17.3	X	228.26122	56.77703	354.04677	20.52567	0.0894916	0.38197171	1.8812590	21	6 16.2	20.0
284064 2005 EZ_{8}	16.7	X	54.38833	285.31006	128.78369	4.01389	0.1713645	0.23900518	2.5715670	21	—	—
284065 2005 EU_{71}	15.0	X	306.38347	236.15278	353.90514	15.83365	0.2267621	0.18011134	3.1053366	21	1 26.1	19.7
284066 2005 EG_{80}	15.8	X	213.82261	354.49047	137.70495	15.43879	0.1310468	0.21010760	2.8022586	21	9 17.0	20.2
284067 2005 EX_{90}	15.6	X	341.90333	58.51489	179.28030	14.53274	0.0944197	0.18775849	3.0204362	21	4 7.4	19.4
284068 2005 EU_{104}	16.5	X	110.59611	284.44808	323.84851	3.67541	0.0669223	0.21651280	2.7467154	21	10 19.3	20.5
284069 2005 EO_{155}	16.4	X	315.54753	250.33171	178.47968	3.42309	0.0738154	0.21525428	2.7574111	21	11 13.2	19.6
284070 2005 ER_{156}	17.0	X	317.66294	250.93081	352.40830	18.63458	0.0618304	0.36874517	1.9259802	21	2 16.2	19.0
284071 2005 EQ_{157}	16.8	X	351.94119	215.75427	183.67463	5.15459	0.0707296	0.21836069	2.7311973	21	11 30.4	20.2
284072 2005 EL_{164}	15.6	X	39.01459	256.97866	81.99257	11.50128	0.1931967	0.21586645	2.7521956	21	12 6.0	19.1
284073 2005 EP_{250}	17.1	X	284.34078	233.91216	65.37435	22.72260	0.0210412	0.36972116	1.9225892	21	4 9.4	19.6
284074 2005 ED_{254}	16.2	X	80.50652	7.46894	332.65817	14.72889	0.2733151	0.22481772	2.6786483	21	—	—
284075 2005 GB_{16}	16.1	X	321.85736	116.65776	342.67899	21.67495	0.0399427	0.22680286	2.6629951	21	—	—
284076 2005 GL_{78}	16.2	X	357.98709	122.26376	95.43466	13.29669	0.2374591	0.18262658	3.0767583	21	4 1.8	19.6
284077 2005 GL_{133}	16.4	X	333.98711	221.85192	168.56216	5.91854	0.0981088	0.20888250	2.8132047	21	10 20.9	19.7
284078 2005 GN_{141}	15.8	X	345.79293	87.59214	148.07571	5.78655	0.1913706	0.18259826	3.0770765	21	4 1.3	19.2
284079 2005 JZ_{23}	16.6	X	336.87115	160.09700	150.58373	1.95750	0.1232413	0.19143539	2.9816356	21	7 2.3	20.1
284080 2005 JC_{34}	16.1	X	0.59768	141.71725	96.53886	11.36234	0.0336693	0.18351753	3.0667922	21	5 11.9	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284081 2005 JS_{49}	17.7	X	290.76977	136.16227	182.01963	4.82349	0.1243947	0.30631354	2.1795086	21	4 23.8	20.3
284082 2005 JS_{63}	15.7	X	260.27506	104.51693	178.35503	25.83390	0.2726665	0.16983818	3.2293305	21	2 3.2	21.5
284083 2005 JS_{79}	15.6	X	282.44057	93.59810	238.95505	10.22167	0.0401594	0.18654010	3.0335739	21	5 23.8	19.8
284084 2005 JT_{93}	15.5	X	312.03418	226.41525	57.89916	17.85323	0.1813337	0.18035652	3.1025216	21	4 17.5	19.7
284085 2005 JS_{163}	15.8	X	69.78045	99.68030	94.86099	11.62473	0.0563842	0.18858739	3.0115791	21	6 18.9	19.8
284086 2005 LA_{1}	15.8	X	349.08430	4.79970	235.86152	23.89731	0.1613439	0.18154682	3.0889458	21	4 11.8	19.7
284087 2005 LU_{17}	16.6	X	303.65837	228.04442	64.79639	2.31636	0.1362214	0.18127165	3.0920710	21	4 17.5	20.6
284088 2005 LD_{35}	15.8	X	256.54255	182.03566	136.41429	5.82428	0.1373969	0.17131396	3.2107578	21	3 28.2	20.7
284089 2005 LQ_{37}	15.7	X	309.58013	50.99116	212.41055	12.79227	0.0480580	0.17795368	3.1303872	21	3 29.7	20.1
284090 2005 LR_{37}	15.9	X	328.93953	248.11743	98.69419	12.96236	0.0722385	0.19471297	2.9480813	21	8 15.4	19.7
284091 2005 ME_{4}	15.7	X	320.12954	167.18088	135.35259	16.34643	0.1353303	0.18418184	3.0594135	21	5 27.8	19.9
284092 2005 MQ_{27}	15.8	X	248.08469	191.50071	129.18516	8.30090	0.1149931	0.16947773	3.2339078	21	3 25.6	20.8
284093 2005 MT_{32}	15.9	X	76.07389	298.50606	206.48020	14.78690	0.0127070	0.17935600	3.1140490	21	4 18.7	20.1
284094 2005 MK_{34}	15.6	X	283.47949	179.85171	130.89201	29.25603	0.1531697	0.17251725	3.1958106	21	4 23.4	20.8
284095 2005 MG_{42}	15.7	X	282.21905	79.11939	226.91606	10.75801	0.1626270	0.17806120	3.1291270	21	4 1.1	20.4
284096 2005 NQ_{17}	17.4	X	284.62765	295.55359	3.38826	7.53337	0.1868074	0.29508348	2.2344610	21	3 12.8	20.4
284097 2005 NE_{23}	15.8	X	329.07769	97.50933	151.18369	14.55716	0.1060432	0.17221311	3.1995721	21	4 5.5	20.1
284098 2005 NQ_{85}	15.4	X	232.97782	35.90075	293.48680	9.34654	0.0393205	0.16878917	3.2426968	21	3 18.2	20.3
284099 2005 OG_{31}	15.4	X	280.79537	133.71814	169.40385	17.55397	0.1583825	0.16903419	3.2395623	21	4 2.1	20.2
284100 2005 QG_{55}	18.1	X	67.76881	189.68086	132.48171	2.93432	0.1469654	0.32009655	2.1164859	21	12 31.4	21.0
284101 2005 QV_{68}	15.3	X	312.51318	308.59613	6.86454	14.14830	0.2151729	0.17710002	3.1404387	21	5 11.9	19.5
284102 2005 QO_{177}	18.3	X	300.15241	79.60027	356.81689	2.20867	0.0691152	0.31498406	2.1393261	21	11 19.3	20.3
284103 2005 QP_{181}	17.6	X	260.99030	87.46139	358.13123	5.15598	0.0869489	0.30500221	2.1857512	21	9 24.6	19.7
284104 2005 RF_{21}	15.5	X	282.98297	349.96324	11.49723	14.36714	0.2056553	0.17691943	3.1425754	21	6 3.7	20.3
284105 2005 SJ_{63}	18.3	X	48.90236	74.27900	200.89460	2.53088	0.1028747	0.30592517	2.1813528	21	9 22.9	20.7
284106 2005 SZ_{81}	16.4	X	339.58063	336.48358	51.94887	2.03617	0.0712255	0.18721278	3.0263028	21	10 22.3	20.3
284107 2005 SC_{126}	17.8	X	93.97943	10.31072	187.66839	4.85887	0.1010039	0.29907864	2.2145175	21	8 2.9	20.6
284108 2005 SL_{184}	17.9	X	90.93947	22.99286	263.90824	1.50079	0.1924999	0.31686351	2.1308583	21	12 12.1	20.8
284109 2005 SE_{265}	17.8	X	263.66427	232.43556	213.82584	4.12825	0.0611744	0.30862732	2.1686018	21	10 4.0	19.9
284110 2005 SC_{282}	16.7	X	30.81798	175.38355	63.55550	12.61813	0.0262936	0.23115863	2.6294362	21	6 17.8	20.0
284111 2005 TK_{8}	17.2	X	227.91779	81.14058	147.00345	2.74941	0.1533526	0.26462296	2.4028005	21	—	—
284112 2005 TJ_{41}	16.9	X	210.73499	275.32351	208.58173	11.80909	0.1374148	0.23853417	2.5749511	21	8 28.4	21.0
284113 2005 TD_{45}	17.4	X	221.43739	52.03520	225.91351	1.33223	0.1914112	0.27390710	2.3481933	21	—	—
284114 2005 TZ_{51}	17.9	X	25.68759	127.52333	280.34521	10.83532	0.4284426	0.31785000	2.1264470	21	—	—
284115 2005 TG_{173}	16.7	X	229.68522	28.70908	19.54951	12.73276	0.2877703	0.22929946	2.6436302	21	6 1.6	21.5
284116 2005 UD_{77}	17.5	X	341.44521	72.95926	300.10677	3.20721	0.1326308	0.30625946	2.1797652	21	10 26.8	19.1
284117 2005 UF_{79}	15.9	X	245.05616	204.23104	215.29698	14.46873	0.0869329	0.23225883	2.6211260	21	7 18.6	19.9
284118 2005 US_{112}	17.6	X	40.18893	287.97470	306.80947	2.26314	0.0741150	0.29016525	2.2596393	21	7 1.9	19.9
284119 2005 UX_{131}	16.9	X	336.58978	224.02796	133.49176	7.74775	0.1038850	0.30306085	2.1950756	21	9 24.3	18.8
284120 2005 UM_{190}	17.9	X	28.57938	51.36160	232.53521	1.96059	0.1334363	0.30019558	2.2090210	21	9 5.8	19.8
284121 2005 UC_{201}	17.6	X	86.12323	347.95770	217.52387	6.34377	0.1279545	0.29286158	2.2457485	21	8 5.9	20.4
284122 2005 UM_{219}	17.9	X	32.91814	355.57095	323.81626	2.91936	0.1806551	0.30966188	2.1637689	21	11 16.4	20.2
284123 2005 UZ_{238}	17.5	X	76.95341	47.35604	106.16498	5.11665	0.1078729	0.28121791	2.3073177	21	5 7.5	20.0
284124 2005 UG_{239}	17.5	X	21.37096	144.32600	130.90552	4.54851	0.1462552	0.29696632	2.2250063	21	8 11.0	19.2
284125 2005 UM_{244}	18.3	X	287.72660	103.29077	295.09629	4.88624	0.0994385	0.29911512	2.2143374	21	8 22.3	20.7
284126 2005 UX_{258}	14.7	X	277.45478	298.27424	210.08453	9.93261	0.1509926	0.12651411	3.9298570	21	11 30.8	20.1
284127 2005 US_{319}	18.5	X	311.83467	357.71420	5.12927	2.02187	0.0761257	0.29997325	2.2101124	21	8 14.7	20.4
284128 2005 UM_{365}	18.0	X	85.87688	77.57773	126.17762	3.28405	0.0343601	0.29373901	2.2412741	21	7 21.0	20.5
284129 2005 UO_{382}	16.7	X	229.79526	239.87273	136.24857	5.12726	0.2583557	0.22791223	2.6543466	21	4 29.7	21.3
284130 2005 UT_{444}	16.0	X	223.77915	164.14321	248.68680	13.99744	0.1094410	0.22680938	2.6629440	21	6 16.0	19.9
284131 2005 UV_{464}	17.5	X	82.14115	75.99389	129.46655	3.45204	0.0947940	0.29460047	2.2369027	21	7 28.4	20.0
284132 2005 UQ_{478}	17.5	X	1.99132	92.15606	113.03297	2.89585	0.2223752	0.27619760	2.3351930	21	2 21.0	19.3
284133 2005 UP_{504}	17.8	X	205.41745	314.03344	89.66141	1.23487	0.2042902	0.27511343	2.3413240	21	5 11.8	21.6
284134 2005 VD_{38}	17.8	X	15.09117	124.56361	178.69440	4.15843	0.1706038	0.30086410	2.2057476	21	9 17.9	19.4
284135 2005 VS_{57}	17.5	X	86.85888	67.46707	91.14565	7.55099	0.0453170	0.28312741	2.2969319	21	5 19.6	20.1
284136 2005 VC_{77}	17.5	X	268.13154	141.91845	264.32740	4.66349	0.1038164	0.29789988	2.2203554	21	8 2.2	20.1
284137 2005 VZ_{88}	17.8	X	296.79091	327.87225	86.04956	5.47592	0.1350998	0.30390996	2.1909851	21	10 3.4	19.7
284138 2005 VW_{124}	17.4	X	347.47189	3.60234	228.31777	2.84910	0.1732524	0.28091033	2.3090016	21	3 9.6	19.5
284139 2005 WS_{6}	17.7	X	225.06280	35.50043	71.53484	2.84010	0.0948272	0.29818487	2.2189404	21	9 5.3	20.4
284140 2005 WK_{10}	17.7	X	3.34551	186.36308	57.60933	2.85997	0.1347565	0.28616416	2.2806530	21	5 6.9	19.3
284141 2005 WM_{14}	17.8	X	28.46706	109.43366	231.38883	0.58986	0.1849269	0.30995941	2.1623841	21	12 12.4	19.9
284142 2005 WM_{34}	17.8	X	334.82381	102.50723	273.60032	2.70721	0.1748717	0.30485611	2.1864495	21	10 18.9	19.1
284143 2005 WV_{43}	17.3	X	332.34541	53.13399	241.86365	5.55649	0.0220687	0.28991469	2.2609410	21	6 9.4	19.7
284144 2005 WX_{48}	17.5	X	338.99045	271.00252	58.39251	2.65659	0.1195371	0.29597145	2.2299896	21	8 9.4	19.2
284145 2005 WF_{58}	17.1	X	5.02050	241.81063	91.02633	7.16996	0.2099173	0.30197417	2.2003386	21	10 27.0	18.8
284146 2005 WE_{68}	17.6	X	313.28196	272.59099	79.41851	3.97448	0.1114597	0.29539298	2.2329000	21	7 25.8	19.5
284147 2005 WX_{71}	16.9	X	118.31198	228.29542	244.58208	6.56505	0.2079865	0.27883330	2.3204540	21	5 20.5	20.1
284148 2005 WP_{83}	17.2	X	104.27765	183.42036	280.93554	4.26334	0.0305834	0.26938899	2.3743759	21	3 22.9	20.2
284149 2005 WK_{90}	16.1	X	182.16122	192.49396	263.28974	11.99163	0.1333081	0.22553724	2.6729482	21	6 27.5	20.2
284150 2005 WP_{102}	16.4	X	94.45856	255.03417	225.88015	22.07744	0.1795830	0.27533917	2.3400442	21	4 26.7	19.1
284151 2005 WT_{151}	17.0	X	153.78414	176.26680	284.07179	7.71290	0.1364381	0.28423517	2.2909600	21	6 3.4	20.4
284152 2005 XC_{4}	15.0	X	194.06458	258.73326	308.87723	26.55074	0.3661864	0.23175034	2.6249586	21	11 3.8	20.4
284153 2005 XN_{32}	17.1	X	346.04623	211.18738	88.63142	7.43480	0.1394173	0.29146658	2.2529084	21	7 2.1	18.8
284154 2005 XO_{90}	17.9	X	319.53235	71.31826	291.26377	6.11878	0.1295864	0.29576139	2.2310453	21	8 19.2	19.8
284155 2005 YY_{14}	17.3	X	335.85604	258.46329	293.49134	5.60691	0.0986777	0.26144060	2.4222596	21	1 11.5	20.2
284156 2005 YV_{33}	17.5	X	144.40897	358.90767	109.94376	5.12087	0.1316677	0.27981778	2.3150081	21	6 5.5	20.7
284157 2005 YL_{36}	17.2	X	259.70957	352.79843	314.33748	6.57056	0.0387350	0.26999822	2.3708029	21	3 11.1	20.3
284158 2005 YS_{42}	17.1	X	270.50163	48.15488	183.05433	1.29338	0.1476411	0.25684614	2.4510604	21	—	—
284159 2005 YW_{46}	16.6	X	287.32522	158.48543	100.66542	7.67309	0.0977460	0.26544275	2.3978507	21	2 7.5	19.8
284160 2005 YB_{49}	16.8	X	270.28570	322.47399	289.87270	5.50158	0.0969925	0.26060520	2.4274334	21	1 9.9	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284161 2005 YM_{66}	17.3	X	291.69775	14.47249	305.34676	7.92379	0.1354326	0.28061684	2.3106113	21	4 22.9	20.4
284162 2005 YE_{70}	16.7	X	185.67995	85.03217	335.07286	3.47115	0.1136728	0.21615398	2.7497543	21	5 16.1	20.9
284163 2005 YX_{75}	16.9	X	114.08842	134.59938	19.95072	2.07065	0.0368573	0.21929894	2.7234017	21	6 20.8	20.6
284164 2005 YU_{81}	16.9	X	290.07195	139.63115	113.24622	7.48995	0.1250577	0.26533786	2.3984826	21	1 29.3	20.1
284165 2005 YB_{107}	16.9	X	265.63720	116.83817	100.32397	5.43736	0.1973655	0.25326798	2.4740920	21	—	—
284166 2005 YS_{108}	17.3	X	18.99498	305.45679	263.31334	2.12225	0.0766645	0.27392354	2.3480994	21	4 14.1	19.8
284167 2005 YK_{122}	17.7	X	284.43269	103.62503	314.19581	5.23018	0.2255766	0.29967150	2.2115958	21	8 24.8	19.6
284168 2005 YU_{151}	17.5	X	7.34802	27.93382	328.39445	3.56059	0.1778170	0.30298764	2.1954292	21	11 27.7	19.5
284169 2005 YX_{159}	17.4	X	290.17575	235.91383	142.09813	3.58387	0.1941954	0.29421250	2.2388688	21	7 9.4	19.7
284170 2005 YZ_{161}	17.0	X	167.70995	188.08224	262.94905	6.07216	0.0592113	0.28102874	2.3083530	21	6 2.4	20.1
284171 2005 YE_{241}	17.4	X	258.69355	250.75364	336.33252	3.13620	0.1299492	0.25303489	2.4756112	21	—	—
284172 2005 YT_{270}	16.9	X	68.25182	188.50369	315.23940	6.32618	0.0695910	0.27105400	2.3646425	21	3 29.6	19.6
284173 2005 YL_{282}	13.4	X	82.50470	50.53938	114.49698	12.14928	0.0659057	0.08464537	5.1372878	21	6 4.8	20.3
284174 2006 AL	16.1	X	87.88765	26.98349	123.87267	14.18876	0.1124777	0.21266749	2.7797259	21	5 27.8	20.1
284175 2006 AP_{15}	17.2	X	254.22565	357.90322	290.14971	3.03673	0.0157834	0.26495283	2.4008057	21	2 11.4	20.3
284176 2006 AH_{29}	17.0	X	95.07623	336.03486	122.19150	12.86927	0.0913135	0.26761012	2.3848864	21	3 18.7	20.0
284177 2006 AT_{30}	17.2	X	252.98304	225.84987	78.56646	3.50451	0.1721149	0.26733550	2.3865194	21	2 21.5	20.9
284178 2006 AM_{40}	17.8	X	224.64172	247.80354	116.93349	4.27430	0.0959481	0.27528389	2.3403574	21	4 15.0	21.2
284179 2006 AO_{48}	16.4	X	186.73659	280.85408	306.99071	11.54518	0.2222576	0.23502285	2.6005347	21	12 8.9	20.9
284180 2006 AR_{48}	17.0	X	245.49155	136.37301	155.05268	3.19015	0.0693439	0.26405023	2.4062736	21	2 2.0	20.4
284181 2006 AT_{56}	17.5	X	252.93281	210.50588	130.55932	2.82824	0.1296099	0.27814046	2.3243058	21	4 11.3	20.8
284182 2006 AS_{72}	16.8	X	75.90423	42.65918	143.71848	4.42996	0.0343688	0.21474568	2.7617631	21	6 12.6	20.5
284183 2006 AB_{73}	18.0	X	274.74583	43.62391	4.13498	2.37650	0.2190465	0.29544018	2.2326622	21	7 27.7	20.5
284184 2006 AX_{80}	13.2	X	303.44909	3.95437	305.29495	16.82821	0.0626992	0.08501003	5.1225862	21	5 21.3	20.1
284185 2006 AH_{87}	16.9	X	140.08478	222.87892	249.78266	6.36973	0.0809503	0.27969384	2.3156919	21	5 31.1	19.9
284186 2006 AZ_{94}	16.9	X	281.20388	85.09321	124.21725	2.28054	0.1238495	0.25553175	2.4594583	21	—	—
284187 2006 AZ_{100}	16.9	X	23.84286	70.62060	285.92527	5.20104	0.2191756	0.30991169	2.1626060	21	—	—
284188 2006 AC_{102}	16.7	X	199.32184	320.68951	340.37343	1.82491	0.1819938	0.25339086	2.4732922	21	1 2.4	20.7
284189 2006 AA_{105}	17.2	X	302.68629	76.75050	127.69871	4.02618	0.0676315	0.25520786	2.4615388	21	—	—
284190 2006 BH_{1}	16.1	X	67.23644	214.60083	311.85176	6.00635	0.0803172	0.20899876	2.8121614	21	5 8.7	19.8
284191 2006 BQ_{3}	17.7	X	264.71642	262.66420	124.75790	3.45555	0.1755561	0.28890626	2.2661992	21	6 20.7	20.7
284192 2006 BR_{12}	13.1	X	215.86122	54.80610	340.35648	10.76177	0.0827770	0.08163757	5.2627089	21	5 21.4	20.5
284193 2006 BK_{13}	16.2	X	140.02200	301.05937	152.30580	9.52768	0.1251260	0.21246677	2.7814764	21	5 15.9	20.6
284194 2006 BC_{24}	16.8	X	183.22331	162.70099	288.47927	8.11036	0.0966646	0.28158320	2.3053218	21	6 22.7	20.1
284195 2006 BH_{25}	16.9	X	286.46003	53.62154	295.03434	11.24974	0.2154971	0.28587446	2.2821936	21	5 15.5	20.2
284196 2006 BR_{31}	16.8	X	194.19246	141.06338	105.09213	4.88371	0.2464574	0.23949232	2.5680786	21	—	—
284197 2006 BW_{95}	16.8	X	298.73833	110.30623	168.82473	3.52901	0.0456673	0.26625897	2.3929477	21	3 27.2	19.6
284198 2006 BB_{115}	16.5	X	231.58542	9.79277	295.54186	3.69270	0.1776141	0.25965836	2.4333309	21	2 2.4	20.5
284199 2006 BU_{116}	16.4	X	195.79943	164.48906	157.60885	5.88705	0.2609426	0.25631895	2.4544201	21	1 26.1	20.6
284200 2006 BM_{128}	17.0	X	112.64373	290.46656	143.53668	8.27688	0.1205804	0.26477379	2.4018878	21	3 12.0	19.9
284201 2006 BB_{182}	17.7	X	212.71399	354.53472	350.10786	3.14605	0.1462938	0.26593409	2.3948963	21	3 5.8	21.5
284202 2006 BC_{182}	17.0	X	225.21894	220.05817	137.84340	7.32916	0.1318690	0.27103586	2.3647481	21	4 6.4	20.6
284203 2006 BK_{184}	16.6	X	300.87174	336.90127	336.52340	5.28074	0.0338650	0.21352933	2.7722412	21	5 20.9	20.4
284204 2006 BM_{192}	13.2	X	312.43213	158.66041	149.65992	18.98361	0.1418680	0.08380880	5.1714180	21	5 28.5	19.9
284205 2006 BF_{194}	16.9	X	164.87399	143.72057	303.89525	6.37196	0.0707419	0.27680256	2.3317893	21	5 24.8	20.2
284206 2006 BA_{196}	17.4	X	263.51152	116.74988	247.03235	2.12469	0.2322703	0.28077508	2.3097431	21	5 10.6	20.8
284207 2006 BO_{200}	16.7	X	318.73923	237.35395	334.72569	5.91444	0.0622241	0.26096439	2.4252055	21	1 21.9	19.8
284208 2006 BD_{203}	16.8	X	227.50193	279.16968	10.95525	2.53460	0.1785336	0.25613240	2.4556117	21	1 13.1	20.8
284209 2006 BL_{219}	16.6	X	176.65277	279.64224	322.09467	13.23672	0.2829055	0.23319499	2.6141063	21	12 14.2	21.4
284210 2006 BV_{219}	17.6	X	171.41959	119.29888	336.57876	2.61158	0.1107182	0.28429981	2.2906127	21	6 15.6	20.8
284211 2006 BU_{237}	16.6	X	219.74970	190.28337	99.72898	5.40024	0.1822124	0.25640516	2.4538699	21	1 5.9	20.7
284212 2006 BF_{248}	16.9	X	199.32020	196.13606	115.14468	3.06860	0.1912387	0.25492415	2.4633648	21	1 14.5	21.0
284213 2006 BR_{252}	17.3	X	252.89529	312.35961	315.00096	4.99171	0.0920550	0.25673082	2.4517944	21	1 11.7	20.8
284214 2006 BT_{262}	17.3	X	317.35293	207.65000	141.13438	7.38863	0.1365495	0.28339251	2.2954991	21	7 22.7	19.5
284215 2006 BY_{269}	16.5	X	272.70310	73.08574	111.60337	12.97073	0.1476186	0.24382584	2.5375595	21	—	—
284216 2006 CD_{8}	16.8	X	148.55452	146.21213	162.94283	10.69186	0.1629797	0.24416047	2.5352404	21	—	—
284217 2006 CG_{18}	13.1	X	22.77841	278.85618	316.89814	17.36250	0.0759077	0.08350768	5.1838422	21	6 11.0	19.8
284218 2006 CZ_{25}	16.8	X	286.92533	123.06998	129.15961	8.18645	0.0929377	0.26182146	2.4199100	21	1 28.7	20.0
284219 2006 CQ_{36}	13.4	X	299.42735	312.33422	353.39835	6.32606	0.0303461	0.08208314	5.2436465	21	5 17.5	20.3
284220 2006 CP_{49}	17.1	X	250.52396	252.36410	322.43985	9.93699	0.1665287	0.24586738	2.5234930	21	—	—
284221 2006 CN_{51}	17.3	X	204.36536	46.64697	301.00020	3.04522	0.0768194	0.26656393	2.3911223	21	2 27.2	20.6
284222 2006 DC_{2}	17.2	X	195.15847	268.64723	335.25194	7.00361	0.1613039	0.23957929	2.5674571	21	—	—
284223 2006 DE_{10}	16.3	X	202.96756	272.57363	1.86487	12.74132	0.1695737	0.24522148	2.5279223	21	—	—
284224 2006 DV_{21}	16.5	X	172.25711	290.74859	7.46140	4.86045	0.1286996	0.24550768	2.5259572	21	—	—
284225 2006 DT_{42}	17.6	X	22.95097	6.38184	151.65797	4.00868	0.0345613	0.26097483	2.4251409	21	2 10.9	20.5
284226 2006 DF_{44}	12.8	X	314.55693	340.22465	329.83064	27.33958	0.0713104	0.08428064	5.1520988	21	6 4.9	19.8
284227 2006 DK_{53}	17.3	X	140.45360	91.89636	331.86779	5.89859	0.1138505	0.26589096	2.3951552	21	3 28.2	20.5
284228 2006 DZ_{53}	17.8	X	216.84182	186.72255	195.21062	1.92389	0.1807325	0.27470994	2.3436160	21	4 24.6	21.6
284229 2006 DJ_{63}	16.6	X	164.99986	63.62982	159.34765	8.95303	0.1924599	0.22825750	2.6516692	21	11 18.5	21.2
284230 2006 DB_{66}	17.4	X	70.41185	40.36087	7.70635	21.60967	0.0846568	0.37905659	1.8908918	21	—	—
284231 2006 DM_{71}	16.5	X	228.65175	166.85769	156.01893	7.92866	0.1759745	0.25969494	2.4331024	21	2 21.4	20.4
284232 2006 DZ_{73}	17.3	X	275.33235	47.07242	146.81764	1.55381	0.1086099	0.24566181	2.5249006	21	—	—
284233 2006 DJ_{87}	17.2	X	208.90940	205.04818	148.94473	6.15259	0.1056191	0.26214429	2.4179229	21	3 15.4	20.8
284234 2006 DE_{112}	17.1	X	182.75871	32.31914	227.42207	2.35291	0.1112421	0.24025187	2.5626632	21	—	—
284235 2006 DK_{113}	16.1	X	249.34612	239.39405	59.45298	3.41213	0.1152204	0.19271929	2.9683784	21	2 24.8	20.8
284236 2006 DZ_{122}	16.5	X	236.93863	321.89764	21.37953	2.14205	0.0742708	0.20310192	2.8663334	21	4 7.2	20.5
284237 2006 DO_{141}	17.1	X	142.48769	255.83896	145.44339	7.23016	0.1359780	0.26218188	2.4176918	21	3 7.6	20.4
284238 2006 DL_{166}	16.1	X	141.66759	184.13359	151.02212	8.61280	0.0716796	0.24674098	2.5175331	21	—	—
284239 2006 DW_{172}	16.9	X	255.59014	216.72889	117.77001	3.34861	0.1878497	0.26584959	2.3954037	21	4 1.9	20.6
284240 2006 DQ_{192}	16.8	X	131.40882	277.90325	52.80960	4.37345	0.0348681	0.24188934	2.5510848	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284241 2006 DZ_{212}	16.6	X	17.17592	338.40100	164.12244	5.40748	0.1064988	0.19029712	2.9935136	21	1 25.2	20.3
284242 2006 EO_{9}	17.3	X	170.33625	254.32883	110.71504	2.22095	0.1968360	0.25835568	2.4415036	21	2 23.8	21.2
284243 2006 EJ_{10}	17.4	X	147.57086	142.91041	142.19050	4.42952	0.2001152	0.23516852	2.5994607	21	—	—
284244 2006 ES_{16}	16.9	X	241.02234	61.52687	170.42861	10.64586	0.0619169	0.24402479	2.5361800	21	—	—
284245 2006 EW_{25}	17.0	X	143.34905	129.34473	159.61097	8.08431	0.1892972	0.23837810	2.5760748	21	—	—
284246 2006 ES_{38}	17.2	X	265.74777	31.02961	151.51678	7.18892	0.1644263	0.24220146	2.5488926	21	—	—
284247 2006 EN_{39}	17.6	X	188.97937	106.19225	173.64676	10.00431	0.1607172	0.24200743	2.5502549	21	—	—
284248 2006 ER_{43}	15.9	X	154.70268	134.08955	109.96267	13.95880	0.2222267	0.22707644	2.6608558	21	12 4.4	20.6
284249 2006 EN_{50}	17.2	X	182.26788	190.47276	104.48598	4.28669	0.0481793	0.24697099	2.5159698	21	—	—
284250 2006 FT_{28}	17.3	X	165.35494	52.61184	190.30761	3.15463	0.0931627	0.22890113	2.6466962	21	12 13.9	21.2
284251 2006 FP_{36}	16.6	X	195.33590	75.67976	124.89479	11.17959	0.1630543	0.23105455	2.6302258	21	11 21.2	20.9
284252 2006 FO_{43}	15.8	X	316.39060	21.34716	194.59720	17.20192	0.3199846	0.18765564	3.0215397	21	—	—
284253 2006 FW_{45}	15.6	X	99.55575	191.33481	82.13587	15.27506	0.2313518	0.22227532	2.6990352	21	11 25.5	20.1
284254 2006 GC_{14}	16.7	X	293.46236	70.09360	77.46956	3.83468	0.0920353	0.23828700	2.5767314	21	—	—
284255 2006 GC_{20}	17.1	X	195.31265	189.93067	47.69763	6.38405	0.0445023	0.23439028	2.6052115	21	—	—
284256 2006 GH_{22}	17.1	X	145.66240	141.56116	145.45870	4.54818	0.1355722	0.23191739	2.6236980	21	—	—
284257 2006 GP_{26}	16.7	X	107.11687	223.59817	65.13977	3.21656	0.0640587	0.22624079	2.6674038	21	12 7.4	20.5
284258 2006 GH_{27}	16.9	X	102.92181	225.37576	51.00651	5.10055	0.1723995	0.22149966	2.7053327	21	11 25.3	21.1
284259 2006 GC_{29}	17.1	X	114.09477	224.67252	127.18251	1.24973	0.0456474	0.23911704	2.5707649	21	—	—
284260 2006 GH_{33}	17.0	X	175.18679	206.47005	40.79151	8.25649	0.1288806	0.23187397	2.6240255	21	12 27.3	21.1
284261 2006 GB_{39}	16.1	X	195.72489	70.60127	120.19977	13.82264	0.1454398	0.22732559	2.6589112	21	11 12.4	20.5
284262 2006 GY_{51}	16.0	X	170.37477	311.65361	276.26942	10.69041	0.1927439	0.22798421	2.6537879	21	11 25.7	20.5
284263 2006 HH_{7}	16.8	X	256.90288	82.69672	87.71569	4.66148	0.1737373	0.23604308	2.5930360	21	12 19.5	20.0
284264 2006 HW_{9}	16.9	X	133.27604	135.47743	141.17341	6.99226	0.1575945	0.22801453	2.6535526	21	12 23.1	21.2
284265 2006 HO_{22}	16.4	X	109.27302	166.69714	131.27514	2.62164	0.0737235	0.22817519	2.6523069	21	12 22.2	20.1
284266 2006 HL_{28}	16.1	X	244.42197	88.03279	166.82640	16.19273	0.1986284	0.17541901	3.1604696	21	—	—
284267 2006 HX_{44}	16.1	X	338.72028	142.79582	28.88310	9.17231	0.0530279	0.18634420	3.0356996	21	1 15.4	20.4
284268 2006 HK_{77}	16.4	X	76.17955	117.52179	128.82683	10.02028	0.1688666	0.21019677	2.8014660	21	9 24.4	20.5
284269 2006 HF_{84}	16.2	X	24.48197	84.96664	212.56797	14.14896	0.2934038	0.20636528	2.8360353	21	10 1.5	19.3
284270 2006 HY_{88}	15.5	X	263.12876	4.40427	204.00351	17.14141	0.1716133	0.17506826	3.1646894	21	—	—
284271 2006 HA_{90}	16.5	X	102.19626	163.72690	121.29019	15.89977	0.1769714	0.22112340	2.7084006	21	12 8.2	21.0
284272 2006 HC_{98}	17.1	X	113.75956	255.34451	18.65649	2.76111	0.0232678	0.22412355	2.6841764	21	11 22.8	20.7
284273 2006 HF_{99}	16.8	X	54.54202	114.53827	216.23112	4.31168	0.0500283	0.22212025	2.7002912	21	11 25.6	20.3
284274 2006 HS_{106}	16.8	X	148.98260	86.98151	154.94488	5.35909	0.1054605	0.22490973	2.6779176	21	11 26.5	20.9
284275 2006 JW_{4}	16.6	X	43.57671	215.43235	126.66839	3.05801	0.2327458	0.21823568	2.7322402	21	12 21.3	20.4
284276 2006 JL_{10}	16.9	X	69.16763	308.04222	3.02108	1.21894	0.0831116	0.22041490	2.7142015	21	11 22.5	20.5
284277 2006 JO_{14}	17.0	X	106.92873	217.14309	130.54147	2.38917	0.1813134	0.23288596	2.6164183	21	—	—
284278 2006 JJ_{27}	16.9	X	56.42133	184.98909	234.25826	5.80107	0.1170321	0.23991669	2.5650494	21	—	—
284279 2006 JT_{40}	16.4	X	77.26001	220.89892	134.67353	3.36965	0.2789290	0.22755628	2.6571139	21	—	—
284280 2006 JA_{44}	16.8	X	120.56330	105.40893	177.26871	3.17670	0.1260807	0.22499820	2.6772156	21	12 17.4	21.0
284281 2006 JW_{45}	16.6	X	201.91887	307.01218	293.23527	6.61060	0.1644800	0.23289815	2.6163270	21	—	—
284282 2006 JJ_{48}	15.8	X	316.14747	112.05248	70.68141	17.05159	0.1958665	0.18061065	3.0996107	21	—	—
284283 2006 JJ_{50}	16.6	X	311.86413	241.76144	314.28202	0.35831	0.1505856	0.18258894	3.0771812	21	—	—
284284 2006 JE_{57}	16.2	X	182.65005	80.13525	117.79632	15.41130	0.1682675	0.22527228	2.6750437	21	11 8.2	20.8
284285 2006 KW_{11}	16.1	X	127.40612	255.62872	99.95556	15.31444	0.1430925	0.24016851	2.5632562	21	—	—
284286 2006 KR_{21}	16.6	X	116.71851	203.48277	56.96208	5.51623	0.1153081	0.22214236	2.7001121	21	11 15.9	20.7
284287 2006 KO_{22}	16.0	X	78.02532	152.20001	117.59352	10.97386	0.1325795	0.21348955	2.7725856	21	10 23.3	20.2
284288 2006 KN_{35}	16.6	X	122.84869	198.59599	151.55918	14.07599	0.1704435	0.23350797	2.6117699	21	—	—
284289 2006 KM_{39}	15.8	X	73.15041	78.53792	238.89474	23.63134	0.1622928	0.21995557	2.7179788	21	12 13.3	20.0
284290 2006 KR_{59}	16.9	X	51.21198	199.01255	142.82710	6.62336	0.0697455	0.22170677	2.7036476	21	12 8.7	20.6
284291 2006 KE_{84}	16.5	X	81.64760	203.31913	84.17906	10.22199	0.1429037	0.21799524	2.7342489	21	11 16.9	20.6
284292 2006 KH_{86}	15.9	X	164.12107	124.50799	150.76351	15.17362	0.0503863	0.23218513	2.6216806	21	—	—
284293 2006 KP_{92}	17.3	X	114.91149	106.27605	178.90693	2.71325	0.0838176	0.22377869	2.6869333	21	12 12.6	21.2
284294 2006 KK_{100}	16.1	X	66.46358	275.78627	39.46997	13.47477	0.2057873	0.21842478	2.7306631	21	12 7.9	20.3
284295 2006 KT_{103}	16.3	X	60.03789	224.32028	90.21378	10.14631	0.2163117	0.21538500	2.7562953	21	12 4.0	20.3
284296 2006 KD_{109}	16.8	X	288.61526	164.95618	4.75319	2.69084	0.0908575	0.23904594	2.5712746	21	—	—
284297 2006 KC_{117}	16.6	X	20.91939	158.38591	188.89659	6.01171	0.0310114	0.21794090	2.7347033	21	10 30.9	20.2
284298 2006 KL_{120}	17.0	X	233.60578	11.83949	178.38344	8.58328	0.1298878	0.23026131	2.6362630	21	12 19.8	20.8
284299 2006 KY_{140}	16.6	X	77.99058	52.75979	251.41405	2.17942	0.0762061	0.21967427	2.7202986	21	11 23.6	20.3
284300 2006 KY_{143}	16.4	X	59.49597	151.03225	133.10407	5.09095	0.1699271	0.21142408	2.7906139	21	10 21.3	20.3
284301 2006 OZ_{6}	15.7	X	291.73776	171.40541	142.97929	13.14147	0.1267557	0.18382286	3.0633953	21	5 4.6	20.2
284302 2006 OK_{15}	16.0	X	86.79326	276.25388	22.52661	7.03572	0.3282037	0.21338995	2.7734483	21	12 17.9	20.9
284303 2006 PY_{12}	15.6	X	336.26722	49.12800	301.76141	9.09152	0.1271345	0.19901115	2.9054793	21	8 24.2	18.9
284304 2006 PL_{24}	16.3	X	320.32996	353.50739	332.76372	9.68985	0.1662006	0.19256556	2.9699579	21	6 20.5	20.0
284305 2006 PK_{34}	16.1	X	349.24991	334.23087	329.89485	8.65468	0.0617001	0.19333076	2.9621161	21	7 18.9	19.9
284306 2006 QO_{5}	15.4	X	292.49866	7.71522	355.17424	9.57767	0.0855798	0.19235046	2.9721717	21	7 11.1	19.5
284307 2006 QR_{13}	15.6	X	11.08959	325.49271	310.74085	11.31728	0.1051921	0.19406263	2.9546640	21	7 16.2	19.0
284308 2006 QG_{33}	16.1	X	234.54769	244.16463	139.67185	13.10671	0.1479571	0.18168429	3.0873874	21	5 23.9	21.2
284309 2006 QJ_{40}	18.1	X	278.18248	255.42530	128.44949	24.08701	0.2247659	0.38968064	1.8563655	21	6 27.1	20.3
284310 2006 QO_{49}	16.2	X	302.33493	41.67370	313.48216	14.52640	0.2722287	0.19073171	2.9889646	21	6 13.7	20.3
284311 2006 QA_{57}	16.0	X	85.87861	352.92137	160.57471	6.62345	0.0623866	0.18096488	3.0955645	21	5 20.7	20.3
284312 2006 QB_{57}	16.4	X	316.64749	111.52121	167.86406	1.44226	0.1145855	0.18260517	3.0769989	21	4 21.0	20.4
284313 2006 QF_{99}	15.8	X	265.96802	74.45848	319.48026	7.82641	0.1806508	0.18788662	3.0190628	21	7 2.1	20.3
284314 2006 QJ_{104}	15.7	X	259.99201	187.75786	156.96748	10.65199	0.0013354	0.17937928	3.1137796	21	5 19.5	20.2
284315 2006 QH_{113}	14.7	X	284.88306	319.67746	329.33859	24.70968	0.0132054	0.17594087	3.1542170	21	3 24.7	19.6
284316 2006 QQ_{118}	15.3	X	236.30980	38.36858	320.64234	11.35223	0.1512651	0.17796271	3.1302813	21	4 16.5	20.4
284317 2006 QV_{123}	16.1	X	265.70496	56.27540	321.01631	14.43164	0.2852660	0.18462572	3.0545079	21	5 26.2	21.2
284318 2006 QX_{135}	15.7	X	304.41863	344.50979	316.81949	11.26384	0.1021111	0.18375995	3.0640944	21	4 28.4	20.1
284319 2006 QJ_{142}	16.1	X	274.16889	112.04961	248.17114	2.92273	0.1791761	0.18431969	3.0578879	21	5 29.1	20.5
284320 2006 QK_{142}	14.8	X	252.43247	14.92151	337.28555	11.21254	0.1158016	0.17902215	3.1179192	21	4 28.2	19.7

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
284321	2006 QF_{161}	15.9	X	227.20224	42.14821	332.74889	7.66281	0.0653244	0.17975457	3.1094441	21	5 5.2	20.7
284322	2006 QP_{164}	15.3	X	262.11398	26.65967	297.94038	14.42321	0.1152257	0.17757325	3.1348567	21	4 2.1	20.3
284323	2006 QV_{164}	15.7	X	256.34657	50.47816	285.76513	7.48021	0.2246634	0.17887360	3.1196453	21	4 3.6	21.0
284324	2006 QM_{166}	15.3	X	257.53486	34.67772	322.82629	16.57382	0.1415962	0.18035286	3.1025637	21	5 5.6	20.4
284325	2006 QO_{170}	16.3	X	298.94686	201.32005	155.97439	9.96983	0.1388119	0.19241332	2.9715244	21	7 2.4	20.3
284326	2006 QG_{182}	16.7	X	277.18033	166.97643	162.86831	3.81178	0.1296628	0.18094534	3.0957873	21	5 2.5	21.2
284327	2006 RY_{1}	16.1	X	241.16261	215.62672	149.62343	11.30445	0.2251326	0.17739182	3.1369937	21	5 2.2	21.4
284328	2006 RD_{7}	15.3	X	308.64683	299.38179	12.88821	16.17077	0.1116111	0.18083087	3.0970937	21	5 17.2	19.6
284329	2006 RE_{12}	15.1	X	292.66276	22.87143	299.31302	9.52492	0.0970775	0.18124496	3.0923745	21	5 12.9	19.6
284330	2006 RY_{12}	15.4	X	207.10181	96.32948	285.92570	9.81230	0.0291769	0.18044269	3.1015338	21	4 22.3	20.1
284331	2006 RU_{14}	15.9	X	151.72272	259.29881	219.42615	10.58006	0.0712755	0.18627703	3.0364293	21	6 23.0	20.6
284332	2006 RQ_{15}	15.3	X	241.29796	37.29003	300.77506	9.53883	0.0712473	0.17592023	3.1544637	21	4 3.3	20.2
284333	2006 RB_{16}	16.1	X	240.43325	340.05577	19.51982	3.47739	0.1780168	0.17867090	3.1220043	21	4 24.1	21.2
284334	2006 RV_{17}	16.1	X	12.03018	87.13024	266.54514	5.90925	0.2431153	0.26777580	2.3839025	21	12 5.0	18.3
284335	2006 RR_{18}	17.6	X	330.17987	292.78880	2.23413	20.23049	0.0831311	0.38238831	1.8798923	21	5 10.3	19.6
284336	2006 RS_{23}	16.2	X	236.48879	152.67540	179.73206	10.48887	0.1315445	0.17556235	3.1587491	21	3 23.3	21.2
284337	2006 RL_{24}	15.9	X	126.33484	243.41504	259.87942	7.70494	0.0640264	0.18684083	3.0303179	21	6 24.9	20.4
284338	2006 RA_{41}	15.8	X	199.60782	179.71462	265.59777	9.91231	0.0334782	0.18868893	3.0104986	21	7 5.3	20.1
284339	2006 RG_{41}	15.5	X	301.66832	265.89882	3.88939	25.21300	0.2445520	0.17815036	3.1280828	21	3 8.8	20.1
284340	2006 RR_{42}	15.8	X	320.28229	100.38798	185.35436	9.39627	0.0043896	0.17693432	3.1423990	21	5 19.9	20.3
284341	2006 RK_{44}	16.0	X	257.10200	310.89600	43.68374	2.46803	0.2339330	0.17949430	3.1124492	21	4 28.9	20.9
284342	2006 RD_{56}	16.4	X	148.12436	269.68392	189.13259	10.95311	0.0697174	0.17474165	3.1686317	21	5 27.3	21.2
284343	2006 RN_{58}	16.3	X	273.53412	178.84722	165.11420	2.05651	0.2049084	0.18172619	3.0869129	21	5 5.6	21.0
284344	2006 RY_{63}	15.7	X	272.06280	4.60605	336.96653	10.64299	0.0926638	0.18252572	3.0778917	21	5 10.9	20.3
284345	2006 RY_{67}	16.2	X	12.12685	39.36358	298.28631	1.33551	0.0780813	0.19925610	2.9030975	21	10 6.1	19.8
284346	2006 RC_{70}	15.9	X	271.76085	136.58779	183.79461	4.64749	0.1124002	0.17771882	3.1331445	21	4 16.6	20.3
284347	2006 RT_{71}	16.5	X	264.00665	139.66311	164.40225	0.53526	0.1462978	0.17401574	3.1774375	21	3 15.5	21.4
284348	2006 RJ_{77}	16.4	X	269.37472	210.30041	133.42523	1.92933	0.1743468	0.18089873	3.0963190	21	5 4.8	21.1
284349	2006 RO_{95}	16.3	X	256.62044	157.73370	205.78409	9.14479	0.1041295	0.17866886	3.1220281	21	5 23.9	21.0
284350	2006 RC_{98}	16.0	X	35.46309	352.47229	20.20162	10.24355	0.2006298	0.20998216	2.8033745	21	—	—
284351	2006 RJ_{98}	15.1	X	286.50736	200.07623	99.64693	11.75325	0.0618789	0.17719691	3.1392937	21	4 20.5	19.7
284352	2006 RF_{121}	14.9	X	266.42951	19.15982	318.51800	16.09688	0.2088556	0.18031331	3.1030173	21	4 11.4	20.1
284353	2006 SU_{42}	16.2	X	324.87140	184.15570	177.72284	11.06639	0.3480597	0.19086035	2.9876215	21	7 19.2	19.2
284354	2006 SK_{60}	15.6	X	242.30376	320.21451	39.85335	10.94452	0.2264463	0.17721454	3.1390855	21	4 23.9	20.8
284355	2006 ST_{62}	15.9	X	285.84620	159.75339	187.49193	7.60753	0.1752973	0.18351050	3.0668705	21	5 28.3	20.2
284356	2006 SU_{67}	16.5	X	277.16911	83.12928	272.65124	1.66907	0.1296088	0.18526569	3.0474697	21	6 2.8	20.9
284357	2006 SA_{78}	16.0	X	275.52317	141.24942	159.60134	11.05991	0.0967180	0.17280189	3.1923001	21	4 1.1	20.7
284358	2006 SX_{86}	16.2	X	263.76736	157.09975	166.50644	1.10624	0.1526712	0.17526352	3.1623386	21	4 6.9	20.8
284359	2006 SF_{116}	15.4	X	264.80726	261.12958	51.33972	25.64537	0.2242088	0.17506086	3.1647787	21	4 1.1	20.8
284360	2006 SV_{120}	15.9	X	264.80265	242.35176	122.29161	8.58272	0.2328441	0.18157840	3.0885876	21	5 20.7	20.8
284361	2006 SP_{126}	15.7	X	224.55809	240.93428	155.14444	13.51732	0.1578042	0.17827187	3.1266613	21	5 28.1	20.9
284362	2006 SM_{128}	15.6	X	222.67301	298.19029	118.44232	15.30492	0.2703818	0.18037169	3.1023476	21	6 12.8	21.2
284363	2006 SY_{133}	15.9	X	276.12581	66.60288	287.96224	9.75965	0.1621200	0.18136749	3.0909816	21	5 25.7	20.6
284364	2006 SY_{145}	16.2	X	280.50972	309.83360	335.95082	0.17315	0.1287501	0.17194298	3.2029224	21	3 13.3	20.9
284365	2006 SP_{153}	15.3	X	270.44461	288.44373	93.00831	10.75985	0.0986918	0.18820638	3.0156423	21	7 2.0	19.6
284366	2006 SM_{154}	15.9	X	219.02118	305.24482	85.17010	5.90454	0.3003453	0.17520731	3.1630149	21	5 8.9	21.5
284367	2006 SD_{183}	16.3	X	244.52847	143.72428	186.80839	0.34725	0.1770532	0.17371776	3.1810700	21	3 25.4	21.5
284368	2006 SU_{183}	16.6	X	253.85469	200.79422	181.62636	0.77735	0.1756976	0.18152693	3.0891714	21	6 4.5	21.4
284369	2006 SZ_{183}	16.3	X	230.40785	256.10430	139.73652	1.93247	0.2557577	0.17848788	3.1241381	21	5 24.5	21.7
284370	2006 SX_{184}	16.2	X	226.57670	311.07350	65.09046	0.92995	0.2078582	0.17540481	3.1606402	21	4 30.6	21.4
284371	2006 SZ_{201}	17.7	X	339.51367	97.06020	19.84349	5.37065	0.1823659	0.27751309	2.3278075	21	—	—
284372	2006 SG_{212}	18.0	X	235.37523	119.99815	208.41786	20.62262	0.0873719	0.36962365	1.9229274	21	2 15.8	20.8
284373	2006 SL_{227}	15.9	X	307.24328	37.85133	264.27430	4.01716	0.1476266	0.18150099	3.0894658	21	4 30.8	20.0
284374	2006 ST_{250}	15.8	X	216.58596	199.17402	201.42156	8.49642	0.0578513	0.17799605	3.1298905	21	5 29.7	20.5
284375	2006 SJ_{285}	16.0	X	294.99498	279.54668	29.83843	6.93336	0.1668109	0.17945975	3.1128486	21	4 22.0	20.3
284376	2006 SP_{286}	15.4	X	197.99194	124.46213	277.47943	15.68182	0.2320212	0.17571700	3.1568954	21	5 4.3	21.1
284377	2006 SE_{291}	17.2	X	183.57905	108.17185	305.62081	16.61739	0.0924892	0.37558303	1.9025325	21	4 14.0	20.0
284378	2006 SL_{291}	15.6	X	238.25696	263.20149	130.67696	26.22603	0.2810532	0.18095940	3.0956269	21	6 2.2	21.3
284379	2006 SN_{315}	16.1	X	248.86865	225.55741	161.80293	3.82163	0.1889777	0.18107710	3.0942854	21	6 4.7	21.1
284380	2006 SJ_{337}	15.5	X	219.11829	216.24844	164.70221	9.18720	0.0914634	0.17537272	3.1610257	21	5 7.9	20.4
284381	2006 SA_{339}	16.2	X	311.58952	253.42348	51.15440	5.66595	0.2424483	0.18387240	3.0628450	21	4 27.0	20.0
284382	2006 SV_{352}	15.9	X	193.63643	150.68797	253.00552	3.89894	0.1752272	0.17288554	3.1912704	21	5 6.2	21.1
284383	2006 SC_{363}	17.4	X	111.91899	248.51594	159.81679	3.32629	0.1414362	0.28934519	2.2639068	21	1 30.7	19.8
284384	2006 SD_{371}	15.0	X	232.69988	306.08823	76.48420	27.97274	0.2127497	0.17706526	3.1408496	21	5 18.8	20.4
284385	2006 SB_{376}	16.3	X	316.77305	113.91103	169.25831	14.07498	0.2397646	0.18060848	3.0996355	21	4 9.5	20.3
284386	2006 SE_{376}	15.9	X	202.29440	225.82311	147.12060	8.46280	0.0976239	0.17097012	3.2150611	21	4 11.9	20.9
284387	2006 SU_{381}	15.7	X	197.33390	228.25797	151.67367	7.58066	0.1105595	0.17116119	3.2126680	21	4 14.8	20.8
284388	2006 SZ_{386}	16.1	X	325.10654	221.60968	58.81815	2.57398	0.0453721	0.17922252	3.1155950	21	5 13.2	20.3
284389	2006 TT_{14}	15.5	X	236.84502	320.24762	6.99924	8.19106	0.0382909	0.16839606	3.2477413	21	3 25.2	20.3
284390	2006 TM_{20}	17.5	X	85.68985	58.45850	234.71089	4.15920	0.0771206	0.27205152	2.3588588	21	11 27.8	20.6
284391	2006 TQ_{23}	15.5	X	294.31167	296.38837	39.59363	17.79212	0.1909669	0.18111219	3.0938857	21	5 18.4	19.8
284392	2006 TE_{37}	16.0	X	253.49100	325.40616	356.64550	0.86717	0.2067094	0.17116171	3.2126616	21	3 21.4	21.2
284393	2006 TQ_{56}	15.8	X	114.67200	247.15757	239.69212	7.95209	0.0447784	0.17468834	3.1692763	21	5 19.2	20.2
284394	2006 TT_{57}	16.1	X	234.68159	179.86423	201.72728	3.03892	0.1817690	0.17802430	3.1295593	21	5 15.9	21.2
284395	2006 TW_{59}	16.2	X	270.60128	26.98507	298.04529	3.23814	0.2538988	0.17568155	3.1573201	21	4 2.8	21.3
284396	2006 TE_{65}	15.6	X	257.72515	243.63624	137.21493	12.08365	0.1061462	0.18513401	3.0489145	21	6 16.0	20.2
284397	2006 TY_{91}	15.7	X	283.21492	279.25236	35.26090	10.06897	0.2216502	0.17525446	3.1624475	21	4 9.6	20.4
284398	2006 TN_{111}	16.0	X	326.46560	151.78213	161.52046	12.69346	0.1015305	0.18289189	3.0737821	21	6 21.6	20.1
284399	2006 UZ_{7}	17.6	X	209.10870	287.89208	81.45697	1.85100	0.1729246	0.30317582	2.1945207	21	3 30.9	20.9
284400	2006 UC_{17}	14.8	X	237.74283	146.85784	291.69249	30.20195	0.3386180	0.17767215	3.1336932	21	7 13.9	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284401 2006 UD_{54}	16.8	X	43.48084	179.15949	241.02341	5.98539	0.0778225	0.28157488	2.3053672	21	—	—
284402 2006 UC_{80}	15.6	X	284.02569	150.27256	191.02061	9.09384	0.0849009	0.17881058	3.1203783	21	5 31.8	20.1
284403 2006 UP_{91}	15.2	X	204.16998	197.85333	250.34348	8.09035	0.0360194	0.18718797	3.0265703	21	7 13.6	19.7
284404 2006 UF_{96}	18.0	X	73.71298	37.47675	96.10821	3.37333	0.1144671	0.29799486	2.2198836	21	3 31.3	20.0
284405 2006 UH_{127}	16.0	X	245.41368	309.53709	8.90268	5.14798	0.1153444	0.16779220	3.2555288	21	3 17.9	20.9
284406 2006 UU_{153}	16.0	X	71.13502	345.52377	211.34532	8.06759	0.0365073	0.18338755	3.0682411	21	6 20.5	20.3
284407 2006 UQ_{156}	15.7	X	314.71456	285.18081	47.98433	11.37399	0.1666774	0.18573451	3.0423393	21	6 19.4	19.5
284408 2006 UV_{183}	17.2	X	171.39254	294.35293	124.02712	23.88405	0.0996527	0.37350193	1.9095930	21	4 29.2	20.2
284409 2006 UP_{191}	16.0	X	276.23365	65.82636	258.21983	14.86232	0.2911876	0.17855912	3.1233071	21	3 29.2	21.3
284410 2006 UF_{200}	17.3	X	260.28230	101.96178	222.82129	20.70288	0.0751208	0.37231062	1.9136643	21	3 14.4	20.0
284411 2006 UU_{202}	15.9	X	245.13998	88.46274	299.04340	9.58188	0.2288463	0.17943415	3.1131447	21	5 27.0	21.1
284412 2006 UY_{222}	15.8	X	195.80529	70.07760	325.34136	5.56673	0.1461958	0.17244552	3.1966967	21	4 26.7	21.0
284413 2006 UH_{228}	15.6	X	247.18137	67.86946	302.37524	6.53781	0.1983517	0.17745973	3.1361934	21	5 9.9	20.7
284414 2006 UC_{230}	15.8	X	258.57589	216.87856	119.05992	5.80922	0.1351207	0.17595785	3.1540140	21	4 20.5	20.6
284415 2006 UZ_{232}	15.7	X	311.01012	351.99140	356.93608	9.09927	0.1510544	0.18522255	3.0479428	21	7 9.9	19.6
284416 2006 UC_{309}	16.2	X	267.82274	120.53480	186.02881	7.35307	0.0974727	0.17575755	3.1564099	21	3 27.7	20.6
284417 2006 UY_{329}	17.9	X	16.38798	270.61448	195.19164	2.98162	0.1377949	0.27847597	2.3224386	21	—	—
284418 2006 VV_{144}	16.9	X	98.92712	200.88829	248.61170	19.00344	0.0850533	0.36122035	1.9526358	21	2 3.2	19.2
284419 2006 WD_{150}	14.5	X	272.08832	227.45384	259.49456	7.64004	0.0825519	0.12687355	3.9224311	21	11 7.1	20.0
284420 2006 XM_{5}	15.4	X	264.70035	295.81790	83.03852	15.43081	0.3295007	0.18272665	3.0756350	21	5 27.2	20.4
284421 2006 XM_{38}	17.4	X	328.84720	96.97566	7.79711	1.26958	0.1455848	0.26563273	2.3967073	21	—	—
284422 2006 YD	17.4	X	132.77476	352.07518	223.36606	7.73361	0.6930823	0.23186916	2.6240618	21	10 22.9	23.6
284423 2007 AR_{17}	16.4	X	83.21603	60.79044	125.88302	25.08049	0.2721835	0.29288445	2.2456316	21	7 30.2	19.3
284424 2007 BO_{36}	17.0	X	244.36860	100.32937	44.13836	3.87053	0.1325028	0.25357093	2.4721211	21	11 8.1	20.2
284425 2007 BG_{68}	17.7	X	295.60796	332.75586	119.94370	2.58630	0.1485091	0.25406548	2.4689120	21	11 14.9	20.0
284426 2007 CT	17.1	X	242.32216	55.39858	137.35655	2.98865	0.1566544	0.25971674	2.4329663	21	—	—
284427 2007 CD_{35}	17.1	X	295.82025	65.50074	37.45959	1.76042	0.1298065	0.25550410	2.4596358	21	12 1.5	19.7
284428 2007 CE_{64}	17.1	X	330.25446	250.87968	140.33786	2.17708	0.2595015	0.25235472	2.4800575	21	10 21.1	18.5
284429 2007 DC_{4}	17.1	X	46.04161	314.80113	281.81547	4.14767	0.1134814	0.29578024	2.2309506	21	7 20.9	19.2
284430 2007 DQ_{10}	17.4	X	178.73471	134.86879	357.16613	5.13221	0.2459002	0.23572799	2.5953461	21	8 10.5	22.0
284431 2007 DB_{30}	17.2	X	52.41054	96.99452	150.83413	5.81545	0.1243733	0.29834074	2.2181675	21	8 21.1	19.5
284432 2007 DV_{38}	17.5	X	9.13868	103.81034	150.31460	4.43418	0.1427655	0.28887718	2.2663513	21	6 6.7	19.2
284433 2007 DU_{52}	13.2	X	333.82198	316.26490	337.47073	10.02578	0.1736559	0.08307799	5.2017012	21	6 2.4	19.5
284434 2007 DQ_{53}	18.0	X	345.18193	281.73270	321.99225	2.47060	0.1683793	0.28233398	2.3012331	21	3 24.4	20.2
284435 2007 DZ_{62}	17.3	X	9.05889	162.25978	117.16102	5.44018	0.1581622	0.29752862	2.2222021	21	7 21.8	18.8
284436 2007 DR_{96}	12.7	X	313.78923	313.94103	349.61786	23.94428	0.0716291	0.08357895	5.1808950	21	5 21.7	19.7
284437 2007 DB_{98}	17.1	X	183.06933	191.77948	348.04795	7.48812	0.1735625	0.24182803	2.5515160	21	10 10.6	21.3
284438 2007 DC_{105}	16.9	X	111.18655	74.14954	181.26030	5.88920	0.0999708	0.24118795	2.5560282	21	11 6.8	20.6
284439 2007 DQ_{114}	17.6	X	0.35084	122.42929	156.52180	3.51178	0.1599018	0.28940352	2.2636025	21	6 28.5	19.1
284440 2007 EF_{9}	17.6	X	328.43964	67.43932	171.58610	6.96035	0.2316481	0.27659947	2.3329306	21	2 7.9	20.4
284441 2007 EN_{37}	17.6	X	225.61958	250.19733	222.76090	1.89916	0.1686013	0.24010900	2.5636796	21	8 30.0	21.5
284442 2007 ES_{40}	13.5	X	131.06028	291.30965	186.00141	9.29266	0.0122232	0.08477405	5.1320878	21	5 28.8	20.4
284443 2007 EE_{51}	13.8	X	5.67400	60.28081	197.33358	10.22025	0.0301214	0.08161821	5.2635410	21	6 13.0	20.7
284444 2007 EZ_{51}	17.3	X	234.25463	292.70438	180.21673	12.20024	0.2259967	0.24387422	2.5372239	21	9 1.3	21.4
284445 2007 EU_{86}	17.1	X	210.90910	167.84787	328.88617	6.32430	0.2497461	0.24225683	2.5485042	21	9 8.4	21.4
284446 2007 EB_{91}	17.0	X	209.59197	331.90529	168.91211	4.41362	0.0536921	0.24055625	2.5605010	21	9 30.7	20.5
284447 2007 ET_{144}	13.6	X	347.86009	131.62700	141.93639	4.82888	0.0810808	0.08372074	5.1750436	21	6 7.9	20.1
284448 2007 EE_{153}	18.2	X	158.23963	60.70770	115.31815	3.76289	0.0993220	0.30578906	2.1820001	21	9 22.7	21.2
284449 2007 EL_{191}	17.7	X	300.59799	255.94658	27.76014	2.41479	0.1870736	0.27783769	2.3259941	21	3 13.1	20.7
284450 2007 EY_{213}	16.5	X	81.03087	289.56662	203.37698	8.05301	0.1519109	0.21188870	2.7865330	21	4 27.3	19.9
284451 2007 ES_{218}	17.1	X	354.83642	156.22471	90.91025	6.55596	0.1571524	0.28373860	2.2936322	21	4 24.9	19.1
284452 2007 EU_{218}	13.8	X	293.46727	24.47007	308.03472	1.67122	0.1557421	0.08388355	5.1683454	21	5 25.9	20.6
284453 2007 EE_{220}	17.6	X	304.66195	123.32171	175.86232	5.61207	0.1220701	0.28158046	2.3053368	21	4 19.5	20.2
284454 2007 EX_{221}	13.4	X	304.16433	152.45991	178.42875	20.80755	0.1064343	0.08485552	5.1288026	21	6 14.1	20.3
284455 2007 FF_{20}	16.9	X	318.44623	122.34005	133.99994	6.11747	0.2445160	0.27510998	2.3413436	21	2 18.4	19.7
284456 2007 FM_{28}	17.0	X	33.30117	343.44585	348.14025	8.84461	0.2335382	0.31004167	2.1620016	21	12 12.8	19.7
284457 2007 FT_{36}	17.4	X	327.76121	239.62210	61.66322	5.94741	0.1507444	0.28745217	2.2738352	21	5 24.6	19.5
284458 2007 GB_{1}	17.6	X	353.03448	123.50920	108.43581	6.26961	0.1496455	0.27890219	2.3200719	21	3 30.0	19.8
284459 2007 GG_{10}	13.5	X	344.88511	110.62458	161.26562	18.95457	0.0606031	0.08219833	5.2387466	21	6 5.1	20.4
284460 2007 GH_{19}	17.6	X	290.95332	14.23618	227.36193	1.56769	0.1648375	0.26728071	2.3868455	21	1 10.3	21.0
284461 2007 GH_{30}	17.1	X	107.03736	202.71374	29.08104	5.64450	0.1388618	0.23196975	2.6233032	21	10 5.6	20.9
284462 2007 GL_{36}	17.6	X	278.35945	175.30111	107.56216	3.40570	0.2270073	0.27111331	2.3642977	21	2 12.8	21.3
284463 2007 GO_{40}	17.6	X	268.57731	223.15825	70.37200	2.42395	0.1825470	0.27077922	2.3662420	21	2 21.1	21.2
284464 2007 GE_{42}	17.5	X	155.40957	186.52936	305.08590	0.64575	0.2250184	0.22661967	2.6644300	21	7 20.7	22.0
284465 2007 GU_{53}	17.5	X	230.37444	314.68130	111.75684	6.07971	0.1346982	0.29259088	2.2471334	21	7 9.5	20.5
284466 2007 GF_{56}	17.6	X	332.64620	228.79829	118.34842	4.51248	0.1468165	0.29595859	2.2300542	21	8 24.4	19.1
284467 2007 GH_{64}	18.0	X	319.92319	37.38983	214.02084	4.39268	0.1232498	0.27461359	2.3441642	21	3 2.4	20.8
284468 2007 GH_{67}	18.0	X	277.30144	39.88149	268.90101	1.28803	0.1923148	0.27436792	2.3455633	21	3 17.9	21.2
284469 2007 GW_{76}	16.9	X	282.65516	319.86146	285.73511	4.88855	0.1840161	0.26562123	2.3967764	21	1 5.8	20.7
284470 2007 HT_{6}	17.1	X	63.36695	78.74414	184.21144	2.55704	0.1288074	0.22959825	2.6413361	21	9 22.3	20.6
284471 2007 HP_{21}	16.0	X	286.66291	123.67209	195.72100	4.10962	0.1361322	0.21031071	2.8004540	21	4 26.8	19.7
284472 2007 HC_{39}	17.8	X	183.84295	300.08688	160.91912	3.34817	0.0678004	0.29200319	2.2501475	21	7 6.7	20.7
284473 2007 HX_{40}	17.4	X	292.59175	198.06169	68.67912	3.38797	0.1960730	0.27137908	2.3627538	21	2 10.2	20.8
284474 2007 HR_{50}	17.0	X	251.36984	272.45350	125.88960	5.53798	0.1100314	0.28991336	2.2609479	21	6 28.3	19.8
284475 2007 HJ_{57}	16.8	X	57.79103	33.34574	159.46219	5.30574	0.0542647	0.21307451	2.7761849	21	5 30.3	20.4
284476 2007 HQ_{59}	17.6	X	299.12798	207.01675	60.75480	2.19522	0.1576802	0.27353668	2.3503128	21	2 23.1	20.8
284477 2007 HG_{86}	17.4	X	262.38205	129.65982	141.68218	4.19823	0.1305436	0.26541160	2.3980383	21	1 21.7	21.0
284478 2007 HK_{88}	17.0	X	280.56738	83.25476	179.79770	2.42358	0.1843464	0.26795353	2.3828483	21	1 24.3	20.7
284479 2007 HB_{98}	17.5	X	312.20771	180.69158	77.96404	4.07774	0.1014710	0.27485775	2.3427758	21	3 9.3	20.3
284480 2007 JT_{1}	17.2	X	275.86693	66.18701	215.81104	2.10318	0.1925969	0.27084140	2.3658798	21	2 10.9	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284481 2007 JU_3	16.9	X	290.29927	165.66577	129.13501	9.47380	0.1910458	0.27449683	2.3448289	21	3 18.1	20.2
284482 2007 JF_{20}	17.5	X	300.45017	100.81997	175.20368	2.04635	0.2058592	0.27352984	2.3503520	21	2 27.6	20.6
284483 2007 JG_{21}	17.0	X	274.73732	319.02250	284.11766	5.54887	0.1090078	0.26230406	2.4169409	21	1 1.9	20.5
284484 2007 JD_{27}	16.1	X	112.04191	270.39346	181.19752	6.53577	0.0284612	0.20234409	2.8734856	21	3 27.8	19.9
284485 2007 JL_{44}	16.5	X	320.34143	103.20685	123.11597	7.56350	0.0702452	0.26921315	2.3754097	21	2 8.7	19.3
284486 2007 LR_{20}	17.7	X	264.07116	92.36826	162.64433	2.96065	0.1446622	0.26216103	2.4178200	21	1 2.9	21.4
284487 2007 LV_{26}	16.5	X	170.66038	117.69231	261.50340	11.65481	0.2293014	0.25611102	2.4557484	21	3 8.8	20.8
284488 2007 MF_{15}	16.4	X	176.96828	12.43318	239.84427	5.85674	0.2527080	0.24051342	2.5608050	21	12 28.6	20.8
284489 2007 MJ_{16}	17.3	X	189.76910	9.95060	256.58956	5.32999	0.1723342	0.24390512	2.5370096	21	—	—
284490 2007 NZ	17.1	X	150.35614	113.06757	158.97475	12.10218	0.2676584	0.23717075	2.5848100	21	12 31.4	22.0
284491 2007 NQ_2	16.3	X	154.80197	16.86631	299.88195	3.45116	0.1510497	0.24484483	2.5305141	21	—	—
284492 2007 NF_5	16.6	X	179.91662	204.76146	142.35797	7.41405	0.1990759	0.25158206	2.4851328	21	2 10.7	20.6
284493 2007 ND_6	16.4	X	202.43385	318.96146	26.81041	10.74249	0.2847251	0.25656226	2.4528681	21	3 5.0	20.9
284494 2007 OB_1	16.1	X	182.30745	42.60174	308.47274	14.08682	0.1535037	0.25367183	2.4714655	21	2 12.5	20.0
284495 2007 OX_1	16.4	X	139.03697	254.34303	90.92983	6.71921	0.2386638	0.24348101	2.5399548	21	1 6.8	19.9
284496 2007 PD_7	16.5	X	230.82735	35.68926	291.24192	4.33747	0.2262447	0.25939235	2.4349943	21	2 25.5	20.6
284497 2007 PU_8	17.1	X	133.93122	115.18701	240.24970	4.93250	0.1655260	0.24519010	2.5281379	21	1 3.3	20.6
284498 2007 PH_9	16.7	X	80.96600	76.74739	285.15091	8.01776	0.2108783	0.23326682	2.6135696	21	—	—
284499 2007 PS_{14}	16.6	X	199.15150	142.82443	126.36701	13.23385	0.2167512	0.24466793	2.5317337	21	—	—
284500 2007 PE_{15}	17.0	X	161.71235	149.54287	115.83450	6.99263	0.2675750	0.23717699	2.5847647	21	12 31.9	21.7
284501 2007 PU_{18}	17.0	X	133.85587	102.08292	226.54661	1.37274	0.2149495	0.23974377	2.5662827	21	—	—
284502 2007 PV_{24}	15.8	X	1.80279	78.56497	326.82477	13.35449	0.1421789	0.22309986	2.6923810	21	—	—
284503 2007 PD_{26}	17.0	X	236.15565	296.37285	64.29131	3.45043	0.2124265	0.26401731	2.4064737	21	4 15.1	21.0
284504 2007 PM_{26}	16.4	X	262.83005	324.72948	10.94699	6.42535	0.1372030	0.26546303	2.3977286	21	4 13.3	19.9
284505 2007 PU_{32}	16.5	X	229.02938	178.73506	147.62045	7.02770	0.1656090	0.25802271	2.4436036	21	2 27.1	20.2
284506 2007 PO_{33}	16.7	X	117.46674	226.95579	113.70058	4.47464	0.1603604	0.23722133	2.5844426	21	—	—
284507 2007 PP_{37}	16.8	X	77.56637	201.34407	164.09987	11.74042	0.2829819	0.23196243	2.6233583	21	—	—
284508 2007 PX_{38}	17.3	X	125.49992	170.19491	157.99652	4.41073	0.2902508	0.23693632	2.5865147	21	—	—
284509 2007 QU_{12}	16.3	X	53.36954	254.93407	120.27954	10.47080	0.2316052	0.22647534	2.6655619	21	—	—
284510 2007 RM_{15}	16.7	X	108.60447	225.39311	128.94796	8.68956	0.2252929	0.23404437	2.6077778	21	—	—
284511 2007 RZ_{20}	17.0	X	218.10892	357.06670	26.96394	1.59609	0.1921813	0.26300151	2.4126661	21	4 28.4	20.8
284512 2007 RQ_{35}	16.2	X	107.69527	348.12217	317.38238	12.34912	0.0727617	0.22809470	2.6529308	21	12 31.1	20.2
284513 2007 RY_{37}	15.9	X	146.52802	267.07360	14.04274	13.01315	0.1382259	0.23027949	2.6361242	21	—	—
284514 2007 RS_{38}	16.0	X	180.00395	308.79536	5.02368	4.92305	0.2979325	0.17333996	3.1856905	21	1 18.3	21.7
284515 2007 RR_{45}	17.0	X	34.63769	92.83607	302.63824	4.58672	0.0693890	0.22753659	2.6572671	21	—	—
284516 2007 RJ_{48}	16.5	X	53.44793	102.55644	180.10313	4.24513	0.0773332	0.20927417	2.8096936	21	9 25.1	20.1
284517 2007 RO_{64}	16.8	X	25.71598	289.16812	164.83524	6.04753	0.1201247	0.23840757	2.5758626	21	—	—
284518 2007 RY_{66}	16.7	X	74.25710	32.86549	308.84137	1.81456	0.0973543	0.22871011	2.6481697	21	—	—
284519 2007 RD_{80}	16.2	X	281.51270	109.81485	341.34526	6.54703	0.0508394	0.21818540	2.7326600	21	10 23.2	19.8
284520 2007 RB_{96}	16.0	X	17.39239	227.34233	71.41168	3.08071	0.0499648	0.20376370	2.8601238	21	8 23.3	19.7
284521 2007 RN_{96}	16.0	X	359.30243	261.33909	174.41127	11.47457	0.1918053	0.22327224	2.6909951	21	—	—
284522 2007 RT_{97}	17.4	X	97.30852	288.13959	50.23062	3.44897	0.3236095	0.23073447	2.6326577	21	—	—
284523 2007 RM_{113}	16.6	X	98.49448	202.89602	155.37114	14.29426	0.2610769	0.23127628	2.6285444	21	—	—
284524 2007 RH_{120}	16.0	X	28.92018	43.15297	312.81623	14.19522	0.0936736	0.21895514	2.7262517	21	11 27.1	19.8
284525 2007 RP_{123}	17.0	X	70.92486	335.43798	19.72165	3.71631	0.1082157	0.22966602	2.6408164	21	—	—
284526 2007 RN_{135}	16.5	X	11.44782	179.97788	187.51866	4.77627	0.0854459	0.21815510	2.7329130	21	11 19.0	19.9
284527 2007 RU_{137}	16.9	X	87.39980	124.02536	197.84556	4.18253	0.2016688	0.22733326	2.6588514	21	—	—
284528 2007 RQ_{138}	16.7	X	115.01302	302.95183	339.30080	4.81712	0.2187967	0.22722777	2.6596743	21	12 15.7	21.2
284529 2007 RM_{139}	16.5	X	67.32142	27.47898	356.64970	12.40186	0.2976928	0.22904656	2.6455757	21	—	—
284530 2007 RS_{145}	15.8	X	72.82025	11.32938	340.90927	6.81794	0.2393063	0.22587927	2.6702492	21	—	—
284531 2007 RB_{148}	17.0	X	91.35935	242.02247	143.45996	4.91587	0.2195592	0.23563120	2.5960568	21	—	—
284532 2007 RW_{157}	16.3	X	19.53050	290.98157	71.31433	7.31755	0.0667866	0.21937849	2.7227432	21	11 21.5	19.8
284533 2007 RW_{170}	16.7	X	117.63454	109.21973	152.09152	7.68240	0.1345610	0.22294697	2.6936118	21	11 21.0	21.0
284534 2007 RZ_{172}	16.9	X	22.36988	301.64346	60.55326	3.31414	0.0668721	0.21804539	2.7338296	21	11 24.4	20.3
284535 2007 RW_{177}	16.3	X	146.15387	248.24938	27.51187	9.91490	0.1003828	0.22785135	2.6548194	21	—	—
284536 2007 RJ_{189}	16.2	X	19.96683	212.09994	166.94138	5.27977	0.1692409	0.22053687	2.7132007	21	12 27.8	19.6
284537 2007 RT_{199}	16.3	X	226.05374	275.86655	211.68028	3.73159	0.0086600	0.21144809	2.7904027	21	10 4.9	20.0
284538 2007 RA_{204}	16.9	X	55.55742	126.34638	194.56940	13.05058	0.2571556	0.22125723	2.7073085	21	12 12.5	21.1
284539 2007 RV_{204}	17.0	X	119.30351	50.07440	293.29817	2.98216	0.2885028	0.23546794	2.5972566	21	—	—
284540 2007 RA_{217}	17.1	X	78.59994	322.56355	17.88871	3.47453	0.2059866	0.22790425	2.6544086	21	—	—
284541 2007 RD_{218}	16.2	X	235.61529	262.15652	165.90605	2.32878	0.0816572	0.19466940	2.9485212	21	7 21.9	20.5
284542 2007 RF_{244}	16.1	X	86.59207	245.09546	135.63288	6.13348	0.2720252	0.23081873	2.6320170	21	—	—
284543 2007 RC_{250}	16.5	X	74.76464	350.25352	326.08094	8.90356	0.1536250	0.22248715	2.6973218	21	12 14.3	20.6
284544 2007 RC_{252}	16.6	X	19.25384	38.68206	324.84561	4.88102	0.0321233	0.21778819	2.7359816	21	11 15.9	20.2
284545 2007 RV_{270}	16.7	X	1.48604	14.81697	312.73662	5.01078	0.0116037	0.20617468	2.8377829	21	9 3.3	20.4
284546 2007 RX_{277}	16.1	X	87.98869	182.82743	132.98537	15.96585	0.3007235	0.22708599	2.6607812	21	—	—
284547 2007 RK_{278}	15.9	X	40.86910	265.95361	135.47956	12.85816	0.2968022	0.22582999	2.6706377	21	—	—
284548 2007 RL_{279}	16.6	X	108.72482	227.50463	110.66485	14.28837	0.1421824	0.23376538	2.6098522	21	—	—
284549 2007 RJ_{284}	16.6	X	97.36786	249.68458	73.51213	0.80313	0.1101883	0.22820553	2.6520717	21	—	—
284550 2007 RF_{293}	17.1	X	44.49345	291.49202	31.10591	4.40710	0.0717326	0.21559061	2.7545426	21	11 3.5	20.6
284551 2007 RM_{301}	17.2	X	103.86307	61.15146	203.43661	2.68408	0.2256884	0.21994652	2.7180534	21	11 16.3	21.6
284552 2007 RY_{317}	16.6	X	47.14435	214.87103	160.27430	5.61082	0.0781274	0.22464535	2.6800183	21	—	—
284553 2007 RD_{319}	14.7	X	170.38522	290.27684	344.34174	10.86970	0.1602176	0.16114083	3.3445085	21	—	—
284554 2007 RM_{324}	15.7	X	300.75026	266.48671	36.50636	3.13702	0.0633341	0.18142579	3.0903194	21	5 6.4	19.7
284555 2007 SS_9	16.2	X	70.75375	131.32913	140.35368	5.75685	0.1293195	0.21107931	2.7936518	21	10 13.5	20.1
284556 2007 SD_{11}	16.8	X	52.38679	200.65488	185.58282	2.98984	0.1128258	0.22912710	2.6449558	21	—	—
284557 2007 SA_{13}	16.9	X	55.84248	48.90576	318.25054	4.23110	0.1891843	0.22521649	2.6754855	21	—	—
284558 2007 SZ_{21}	16.0	X	338.80632	264.83545	173.55984	14.76023	0.1348946	0.22035400	2.7147015	21	—	—
284559 2007 TD_3	16.7	X	74.67324	311.33582	272.20604	1.39298	0.0666309	0.19712046	2.9240284	21	8 3.9	20.8
284560 2007 TN_6	15.1	X	284.76169	3.64651	268.60832	9.90412	0.0546935	0.18079802	3.0974687	21	3 5.2	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284561 2007 TN_{30}	16.4	X	59.55511	358.29740	322.78030	5.60284	0.1442355	0.21983176	2.7189993	21	12 1.1	20.3
284562 2007 TH_{32}	17.4	X	129.45736	306.69889	358.58838	4.01980	0.2187837	0.23391487	2.6087402	21	—	—
284563 2007 TR_{35}	16.6	X	124.45869	279.33074	64.93643	11.96589	0.3145657	0.23426890	2.6061113	21	1 1.4	20.4
284564 2007 TV_{45}	15.8	X	72.42224	304.66908	49.18691	12.28954	0.1116065	0.22295149	2.6935753	21	—	—
284565 2007 TR_{46}	16.4	X	326.66867	150.97787	250.95596	3.31182	0.0678005	0.21167078	2.7884452	21	10 23.2	19.7
284566 2007 TJ_{50}	16.6	X	12.40717	306.51562	349.07627	1.94646	0.0796892	0.20131789	2.8832423	21	8 12.3	20.2
284567 2007 TH_{52}	16.4	X	306.47648	50.33096	339.95804	1.18631	0.0768054	0.20416108	2.8564113	21	9 6.1	19.9
284568 2007 TH_{54}	15.6	X	59.46271	285.63727	31.67556	16.01688	0.2228636	0.21722933	2.7406721	21	12 3.9	19.8
284569 2007 TD_{55}	16.6	X	351.27232	66.08424	233.64584	4.79290	0.0625378	0.19567149	2.9384458	21	7 13.5	20.4
284570 2007 TR_{55}	16.4	X	319.94835	68.06397	304.04848	1.09149	0.0842549	0.20343945	2.8631621	21	9 1.1	20.0
284571 2007 TR_{56}	16.6	X	13.69139	298.49484	20.26941	2.67102	0.0794346	0.20437964	2.8543746	21	9 15.5	20.0
284572 2007 TE_{57}	16.8	X	276.65857	181.67364	213.16040	3.25569	0.0634593	0.19822831	2.9131237	21	8 1.1	20.8
284573 2007 TP_{60}	16.3	X	77.45718	96.36107	199.88536	5.60091	0.1202303	0.22084080	2.7107108	21	11 19.6	20.2
284574 2007 TN_{67}	16.7	X	90.12405	138.73558	161.97193	5.98620	0.3029623	0.22309569	2.6924145	21	12 22.5	21.4
284575 2007 TC_{71}	16.1	X	56.46493	52.34199	340.91382	12.32819	0.1719967	0.22695687	2.6617903	21	—	—
284576 2007 TD_{92}	16.6	X	93.80455	231.33294	134.54390	5.57951	0.2716563	0.23155986	2.6263979	21	—	—
284577 2007 TQ_{94}	16.4	X	349.02338	354.55104	54.92182	5.94963	0.1206988	0.21718128	2.7410763	21	12 11.3	19.6
284578 2007 TH_{100}	16.6	X	142.65772	69.45389	124.28621	2.97729	0.0165016	0.20642951	2.8354469	21	9 16.0	20.4
284579 2007 TT_{102}	15.7	X	84.42835	285.98833	190.98992	5.38653	0.1528578	0.17201307	3.2020523	21	4 15.4	20.1
284580 2007 TX_{104}	16.6	X	318.13986	266.94426	78.05901	3.13466	0.1013752	0.19753478	2.9199383	21	7 21.7	20.2
284581 2007 TK_{132}	17.3	X	46.10041	173.35088	180.72080	2.61185	0.1987746	0.21929693	2.7234182	21	—	—
284582 2007 TY_{139}	16.4	X	57.01646	55.02276	290.61561	7.84805	0.2047830	0.22019416	2.7160152	21	—	—
284583 2007 TQ_{148}	16.4	X	101.16414	253.69316	130.98282	5.49038	0.2909124	0.23291110	2.6162300	21	1 20.8	19.5
284584 2007 TR_{152}	16.4	X	44.52857	80.92815	269.09949	3.75030	0.1234878	0.22011624	2.7166560	21	12 17.1	20.0
284585 2007 TX_{176}	16.5	X	12.70073	116.11458	191.77149	5.87118	0.0507222	0.20191931	2.8775143	21	8 25.4	20.2
284586 2007 TR_{182}	16.0	X	80.10670	239.73167	150.15009	9.11347	0.2319469	0.23151626	2.6267276	21	—	—
284587 2007 TD_{186}	16.4	X	53.19435	158.02174	177.64458	11.20747	0.1964100	0.21976515	2.7195486	21	12 19.9	20.5
284588 2007 TD_{193}	17.4	X	42.33587	298.31374	64.72553	3.03036	0.2015315	0.21945601	2.7221020	21	—	—
284589 2007 TJ_{193}	15.8	X	273.89347	128.46289	217.39438	10.05643	0.0683897	0.18827141	3.0149479	21	5 26.3	20.0
284590 2007 TL_{195}	16.6	X	315.45635	0.33654	11.28873	1.94562	0.0843672	0.20299954	2.8672970	21	8 25.4	20.0
284591 2007 TT_{199}	16.5	X	85.84616	250.25690	21.02294	9.36295	0.1686559	0.21325782	2.7745938	21	10 31.2	20.8
284592 2007 TM_{216}	16.6	X	122.28793	120.52172	239.87806	3.39260	0.2121014	0.23470857	2.6028556	21	1 4.6	20.1
284593 2007 TG_{241}	16.6	X	60.13405	136.23585	211.20643	7.49292	0.1193992	0.21990059	2.7184318	21	12 31.2	20.6
284594 2007 TY_{273}	16.7	X	64.22988	326.19056	3.46377	5.03931	0.0832162	0.21966215	2.7203988	21	12 9.3	20.6
284595 2007 TJ_{283}	16.7	X	97.25745	113.11866	170.77862	4.12650	0.2630348	0.22188853	2.7021709	21	12 6.3	21.3
284596 2007 TX_{321}	16.5	X	38.12183	46.89904	309.08428	6.10164	0.1650473	0.21996096	2.7179345	21	12 22.7	20.0
284597 2007 TP_{343}	16.5	X	354.91552	257.53323	104.68599	4.60385	0.1103672	0.20948015	2.8078515	21	10 18.9	19.7
284598 2007 TN_{372}	16.6	X	126.81057	66.08879	259.15901	17.73838	0.2414762	0.23311603	2.6146966	21	—	—
284599 2007 TE_{382}	15.7	X	331.28578	226.87901	89.11589	11.15054	0.0838831	0.19283612	2.9671793	21	7 4.0	19.5
284600 2007 TB_{414}	15.8	X	264.07532	242.67212	146.79425	12.52158	0.0730965	0.19789348	2.9164088	21	7 7.8	20.0
284601 2007 TH_{418}	16.3	X	240.64731	83.02533	332.37424	1.14955	0.0936622	0.19556446	2.9395178	21	7 10.7	20.6
284602 2007 TJ_{418}	17.1	X	316.34213	342.19343	1.59357	1.56982	0.0623352	0.19814424	2.9139476	21	7 21.7	20.9
284603 2007 TL_{418}	16.5	X	354.10164	307.35904	53.93052	2.86716	0.1225379	0.20929650	2.8094938	21	10 15.3	19.5
284604 2007 TC_{423}	16.6	X	238.48273	260.17727	228.49018	2.51037	0.0418664	0.21118041	2.7927601	21	10 17.6	20.4
284605 2007 TX_{426}	15.6	X	255.64700	85.53591	280.09598	7.34540	0.0705781	0.18800546	3.0177904	21	5 27.7	19.9
284606 2007 TJ_{427}	15.8	X	27.12186	229.47074	88.67607	7.86769	0.0489646	0.20828555	2.8185774	21	10 5.5	19.6
284607 2007 TG_{429}	16.7	X	35.79936	289.77804	1.52392	1.68960	0.0231872	0.20199605	2.8767854	21	9 4.4	20.4
284608 2007 TE_{443}	16.3	X	3.60579	280.81627	88.54331	7.56695	0.0754355	0.21194590	2.7860316	21	11 8.9	19.8
284609 2007 TH_{444}	16.8	X	56.27048	52.92763	264.90603	4.05918	0.1605994	0.21810700	2.7333148	21	11 25.8	20.5
284610 2007 TP_{449}	15.6	X	335.11297	174.00048	151.22069	12.40984	0.0440248	0.19708707	2.9243586	21	7 24.5	19.6
284611 2007 UR_{5}	15.4	X	47.26832	264.10838	64.03701	25.36378	0.1558432	0.21190832	2.7863610	21	11 26.3	19.1
284612 2007 UF_{29}	16.9	X	10.66415	329.21201	52.47880	2.69989	0.0880945	0.21760018	2.7375573	21	12 5.4	20.2
284613 2007 UC_{60}	16.5	X	302.39590	73.84418	296.83153	0.95429	0.1158838	0.19839191	2.9115220	21	7 29.6	20.1
284614 2007 UW_{65}	16.8	X	35.21512	29.44181	339.58791	2.88579	0.2002478	0.21926358	2.7236944	21	—	—
284615 2007 UC_{66}	16.5	X	339.15817	40.34995	296.05730	1.02870	0.0714064	0.20178582	2.8787832	21	8 14.5	19.8
284616 2007 UD_{72}	16.7	X	331.13115	335.16377	10.31792	1.95960	0.0984438	0.20156776	2.8808590	21	8 13.3	20.2
284617 2007 UL_{96}	16.2	X	345.84942	52.75928	234.79313	7.10308	0.0601554	0.18959116	3.0009401	21	6 19.5	20.1
284618 2007 UR_{98}	16.3	X	20.82463	270.22795	60.28350	2.77538	0.1287803	0.20659601	2.8339234	21	10 18.5	19.6
284619 2007 UX_{123}	16.6	X	49.34434	219.56423	135.16508	10.00213	0.2566468	0.22042672	2.7141044	21	—	—
284620 2007 UW_{126}	16.3	X	328.60099	237.55159	68.30994	7.05904	0.0880674	0.19024892	2.9940192	21	6 15.3	19.9
284621 2007 UU_{130}	16.4	X	280.11650	301.17761	82.05659	3.85205	0.1180314	0.19527977	2.9423740	21	7 14.4	20.5
284622 2007 VN_{47}	16.2	X	267.72390	157.66279	250.35091	10.90522	0.0478967	0.19733619	2.9218969	21	8 5.6	20.4
284623 2007 VF_{52}	16.7	X	150.98062	296.80347	11.06939	4.42537	0.2528367	0.23149826	2.6268639	21	—	—
284624 2007 VH_{85}	15.7	X	61.30889	338.89857	353.65968	9.42035	0.1952706	0.22036742	2.7145913	21	12 24.9	19.8
284625 2007 VS_{106}	16.4	X	324.75185	270.11760	26.43377	1.86865	0.0797965	0.18773889	3.0206464	21	5 28.9	20.2
284626 2007 VR_{153}	16.6	X	95.73875	83.42588	220.99481	4.58359	0.0460239	0.22010524	2.7167466	21	12 11.4	20.5
284627 2007 VP_{162}	16.1	X	179.70446	47.89406	13.38356	2.50145	0.0828767	0.18084046	3.0969842	21	5 13.3	20.9
284628 2007 VL_{176}	17.0	X	310.20035	17.23565	25.75756	4.62720	0.0706947	0.21048017	2.7989508	21	10 1.2	20.5
284629 2007 VU_{180}	16.5	X	48.57702	304.83799	48.81743	9.60392	0.1331232	0.21851456	2.7299150	21	12 27.5	20.3
284630 2007 VO_{186}	16.5	X	77.98243	286.18331	55.16082	12.92257	0.1993024	0.22174751	2.7033164	21	—	—
284631 2007 VF_{217}	16.7	X	318.70206	37.38171	287.39660	1.13506	0.0874008	0.19069819	2.9893149	21	6 26.0	20.3
284632 2007 VK_{227}	15.5	X	159.70328	11.48254	76.38109	6.59849	0.1301330	0.18167894	3.0874481	21	5 28.3	20.3
284633 2007 VS_{265}	15.9	X	162.34583	202.47861	254.38519	3.84773	0.1257200	0.18195765	3.0842945	21	6 10.4	20.7
284634 2007 VK_{267}	14.5	X	204.46866	228.90879	318.82187	8.18329	0.1292861	0.12656174	3.9288710	21	10 29.2	20.7
284635 2007 VY_{267}	16.1	X	15.27511	176.31183	160.74314	7.47419	0.1292407	0.20980803	2.8049253	21	10 20.5	19.4
284636 2007 VQ_{278}	15.6	X	283.41439	45.74995	237.95745	26.08820	0.0749471	0.17615292	3.1516851	21	3 11.7	20.7
284637 2007 VO_{303}	16.2	X	131.70875	13.67493	319.86147	12.56310	0.1462421	0.23209430	2.6223645	21	—	—
284638 2007 VR_{321}	15.3	X	53.42103	68.01130	80.21421	11.90959	0.0852230	0.17115583	3.2127351	21	4 8.1	19.7
284639 2007 VB_{323}	15.0	X	284.18964	58.55768	261.36028	14.66216	0.0738286	0.18423017	3.0588785	21	5 2.5	19.5
284640 2007 VM_{323}	15.5	X	341.75292	77.75162	280.39301	11.46559	0.1454867	0.20335202	2.8639827	21	9 9.5	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284641 2007 VM_{325}	15.9	X	307.08656	49.86276	279.64059	9.14018	0.1040063	0.19005918	2.9960115	21	6 12.8	19.9
284642 2007 VU_{325}	15.4	X	277.12183	338.63631	34.49992	11.11843	0.1057086	0.19121232	2.9839541	21	6 28.8	19.7
284643 2007 VD_{326}	16.2	X	202.83447	97.89874	341.43202	8.28347	0.0929515	0.18933968	3.0035968	21	6 30.3	20.9
284644 2007 VZ_{333}	15.3	X	188.95478	277.18175	93.41455	13.61180	0.0474138	0.17186912	3.2038400	21	3 30.4	20.3
284645 2007 VN_{334}	15.8	X	242.67848	224.62495	203.80812	2.94361	0.2222054	0.19262099	2.9693882	21	7 14.9	20.7
284646 2007 WL_{9}	16.6	X	56.29454	7.32801	304.57908	6.87507	0.1554566	0.21283441	2.7782724	21	11 15.2	20.5
284647 2007 WG_{27}	15.2	X	261.90027	67.49778	274.01044	9.19118	0.0741761	0.18102910	3.0948324	21	5 2.8	19.8
284648 2007 WK_{59}	16.6	X	24.12018	262.68654	141.06585	7.33365	0.1491847	0.20862193	2.8155467	21	—	—
284649 2007 WO_{63}	15.9	X	19.97953	85.99986	276.75057	16.01297	0.2057022	0.21344774	2.7729477	21	12 10.9	19.3
284650 2007 XK_{1}	15.6	X	356.26260	3.29984	233.91558	6.88958	0.0043619	0.17970136	3.1100579	21	5 1.9	19.9
284651 2007 XO_{6}	15.7	X	169.33527	358.75685	74.57709	6.40227	0.0843983	0.17855795	3.1233207	21	5 18.7	20.4
284652 2007 XE_{28}	14.8	X	200.02605	102.87257	305.85727	14.74234	0.1348430	0.17755988	3.1350140	21	5 15.2	20.1
284653 2007 YO_{3}	16.5	X	353.33373	310.59590	74.47591	7.01591	0.1968811	0.20939184	2.8086409	21	11 21.7	19.4
284654 2007 YE_{40}	15.0	X	170.98167	116.39689	294.15642	13.13898	0.1242723	0.17188356	3.2036605	21	4 18.2	20.3
284655 2007 YU_{47}	15.4	X	162.05872	207.65093	245.61001	7.80731	0.0518981	0.18024487	3.1038027	21	6 2.4	20.0
284656 2008 AB_{20}	16.2	X	214.22080	148.26731	295.48392	14.72008	0.1966596	0.18426472	3.0584961	21	7 11.2	21.3
284657 2008 AM_{32}	15.4	X	247.15323	72.58486	293.21250	25.23139	0.2186088	0.17928527	3.1148680	21	4 26.5	21.0
284658 2008 AZ_{103}	15.6	X	265.17327	240.61225	106.27826	12.88715	0.2218210	0.17889662	3.1193777	21	5 3.6	20.7
284659 2008 BO_{6}	15.6	X	310.42284	215.31688	134.02831	16.28859	0.0609299	0.18199851	3.0838328	21	7 19.5	19.8
284660 2008 BQ_{32}	15.3	X	191.00552	287.14071	125.73711	26.65193	0.2328101	0.17438292	3.1729758	21	5 23.9	21.2
284661 2008 CK_{20}	15.1	X	252.61893	44.12917	4.38557	9.60755	0.0910106	0.17818365	3.1276932	21	7 18.5	19.8
284662 2008 CE_{28}	15.7	X	120.07389	18.72499	18.07977	4.60513	0.1412455	0.15346661	3.4550961	21	2 21.8	20.8
284663 2008 FD_{63}	13.5	X	261.90879	256.48043	82.58439	10.27709	0.0961623	0.08120187	5.2815173	21	5 8.8	20.6
284664 2008 FW_{132}	13.6	X	321.87818	75.61337	231.29943	5.26558	0.0694516	0.08535071	5.1089459	21	6 12.5	20.2
284665 2008 FW_{134}	13.5	X	265.19690	218.63471	142.47670	9.07161	0.1319593	0.08302584	5.2038791	21	5 31.9	20.6
284666 2008 GP_{42}	12.9	X	287.80393	241.43962	94.73840	7.45120	0.0517583	0.08337942	5.1891568	21	6 7.1	19.6
284667 2008 GJ_{74}	13.5	X	302.69731	230.38249	95.91570	10.61289	0.0827840	0.08407991	5.1602951	21	6 9.8	20.2
284668 2008 JA_{23}	16.6	X	256.32400	181.91396	156.27679	7.34445	0.1315897	0.22307023	2.6926194	21	4 17.1	20.6
284669 2008 OQ_{24}	16.3	X	256.85676	185.48906	164.85961	4.00504	0.1055710	0.21312422	2.7757532	21	5 5.7	20.4
284670 2008 QG_{5}	17.2	X	234.48696	56.24110	351.05782	4.42487	0.1324425	0.28876905	2.2669170	21	6 17.6	20.3
284671 2008 QG_{14}	18.6	X	356.98867	158.93191	206.78361	0.94293	0.1668448	0.31005812	2.1619251	21	11 23.9	20.0
284672 2008 QA_{44}	15.3	X	146.47841	18.47760	321.59380	9.49044	0.0981211	0.18099870	3.0951788	21	1 5.0	20.0
284673 2008 RC_{11}	16.6	X	104.94326	115.25459	164.96176	12.46913	0.2449064	0.24273329	2.5451682	21	12 10.2	21.2
284674 2008 RV_{46}	17.5	X	267.57488	29.64708	1.38583	4.38807	0.0925349	0.29248036	2.2476995	21	7 13.8	20.2
284675 2008 RA_{70}	17.5	X	39.89269	332.95111	324.54726	5.21498	0.1165346	0.30741062	2.1743200	21	10 12.7	19.9
284676 2008 RX_{89}	17.6	X	247.17063	160.51203	229.85627	4.63614	0.0984673	0.28815273	2.2701483	21	6 13.1	20.6
284677 2008 RQ_{95}	17.8	X	322.54683	198.99414	173.46038	6.49074	0.1178866	0.30430218	2.1891020	21	9 16.0	19.3
284678 2008 RN_{97}	16.0	X	94.08499	256.70336	87.09309	6.34042	0.0709078	0.24176997	2.5519244	21	—	—
284679 2008 RA_{103}	17.7	X	192.00813	91.64313	347.37619	5.48364	0.1325406	0.28439593	2.2900966	21	6 14.8	21.3
284680 2008 RP_{120}	16.7	X	240.12290	61.79466	216.69141	5.47071	0.1031720	0.25632839	2.4543599	21	1 10.3	20.4
284681 2008 RN_{123}	16.6	X	287.48989	99.20585	179.62762	1.67462	0.0312972	0.19982108	2.8976228	21	3 22.6	20.6
284682 2008 RJ_{134}	16.9	X	272.31971	291.67295	115.43888	8.74543	0.1479735	0.29633541	2.2281633	21	8 4.4	19.3
284683 2008 SX_{4}	17.2	X	346.86148	171.48268	132.49595	6.23920	0.1800604	0.29610128	2.2293377	21	7 8.3	18.5
284684 2008 SS_{6}	17.5	X	263.94680	264.52663	116.35877	3.61169	0.1418118	0.29015386	2.2596984	21	6 15.2	20.2
284685 2008 SY_{28}	17.5	X	184.65249	112.83588	343.58012	5.69103	0.1102079	0.28693271	2.2765788	21	7 1.9	20.8
284686 2008 SU_{31}	17.3	X	36.71444	25.80915	248.46999	5.07887	0.0862483	0.29765601	2.2215680	21	8 26.2	19.6
284687 2008 SF_{32}	18.1	X	71.41451	40.27574	243.46624	5.07194	0.1983054	0.31074346	2.1587452	21	11 18.4	21.1
284688 2008 SS_{32}	17.6	X	332.65212	328.64286	281.47432	4.67096	0.1276659	0.27986235	2.3147623	21	3 17.3	20.1
284689 2008 SO_{45}	16.8	X	1.24580	204.44850	23.65149	7.65478	0.0569174	0.27757120	2.3274826	21	4 14.0	19.3
284690 2008 SR_{64}	18.0	X	45.44112	248.06517	5.28449	4.53303	0.1309031	0.29942474	2.2128107	21	8 21.1	20.1
284691 2008 SY_{71}	17.1	X	331.05411	337.66849	22.33831	7.49496	0.1995503	0.29815011	2.2191129	21	9 12.3	18.4
284692 2008 SO_{89}	17.9	X	261.40914	45.15213	347.27565	6.62040	0.0899098	0.29235209	2.2483569	21	7 7.7	20.7
284693 2008 SR_{89}	17.6	X	308.49770	6.27906	322.61360	2.83738	0.0481718	0.29044840	2.2581704	21	6 19.5	20.0
284694 2008 SU_{96}	16.5	X	307.20237	313.08641	243.36807	3.90722	0.1659621	0.25795641	2.4440223	21	—	—
284695 2008 SJ_{136}	17.3	X	311.97831	1.25797	251.73468	4.44180	0.1954190	0.27606770	2.3359255	21	2 10.4	20.4
284696 2008 SL_{158}	17.2	X	14.27636	325.09083	340.14482	3.90809	0.1554742	0.30187576	2.2008168	21	9 16.7	18.8
284697 2008 SA_{174}	16.8	X	90.26980	234.80124	270.51824	10.34153	0.0452415	0.28062054	2.3105910	21	4 30.6	19.7
284698 2008 SB_{187}	17.8	X	312.60501	137.16279	223.44782	4.74183	0.1687593	0.29637439	2.2279679	21	7 26.7	19.7
284699 2008 SY_{267}	17.4	X	164.64510	241.20150	187.97227	5.19121	0.1100177	0.27301105	2.3533286	21	5 4.4	20.8
284700 2008 SF_{271}	17.3	X	286.84407	269.06407	95.76939	6.22567	0.1314709	0.29138552	2.2533262	21	6 25.5	19.5
284701 2008 SO_{277}	16.7	X	300.97675	51.83201	156.61845	10.07364	0.1044016	0.25808475	2.4432120	21	—	—
284702 2008 SX_{280}	16.5	X	18.50242	277.88897	169.10874	5.50673	0.1494529	0.24175803	2.5520085	21	—	—
284703 2008 SJ_{281}	16.3	X	175.99868	101.83836	221.06494	3.44334	0.1269513	0.25302371	2.4756842	21	1 2.8	20.0
284704 2008 SO_{282}	17.1	X	236.43744	255.26406	351.20198	1.58913	0.1845521	0.25439446	2.4667830	21	—	—
284705 2008 SX_{298}	17.8	X	22.71630	188.64253	133.87091	4.22301	0.1748584	0.30583349	2.1817887	21	11 6.2	19.8
284706 2008 SY_{301}	18.1	X	278.29259	296.60570	79.55549	4.01749	0.1754677	0.29140879	2.2532063	21	6 22.2	20.8
284707 2008 TA_{22}	17.9	X	274.96743	87.94294	244.02420	0.82114	0.1163395	0.28064625	2.3104499	21	4 24.8	21.0
284708 2008 TB_{70}	17.2	X	221.12799	241.89026	86.52132	3.45816	0.0355755	0.26742619	2.3859798	21	2 24.0	20.4
284709 2008 TK_{90}	17.7	X	331.02263	278.47251	50.82584	4.23604	0.2014296	0.29387450	2.2405851	21	7 11.9	19.2
284710 2008 TH_{105}	17.5	X	289.00953	139.94530	216.59876	5.28138	0.1676269	0.29008611	2.2600503	21	6 10.2	20.1
284711 2008 TL_{120}	17.7	X	331.73432	301.18363	66.25083	3.58620	0.2430917	0.30243085	2.1981230	21	9 27.4	18.4
284712 2008 TE_{124}	17.7	X	342.87690	328.93085	329.23258	4.10074	0.1712265	0.29306825	2.2446926	21	6 18.3	19.3
284713 2008 TC_{133}	17.5	X	309.21922	310.04157	332.61480	4.45813	0.1207299	0.27931214	2.3178012	21	3 30.6	20.2
284714 2008 TL_{134}	17.0	X	277.46527	34.68387	234.72402	5.64897	0.1054568	0.26859688	2.3790418	21	2 4.1	20.5
284715 2008 TR_{139}	17.7	X	291.00783	303.78466	324.10718	1.89641	0.1868257	0.27306706	2.3530067	21	2 9.5	21.0
284716 2008 TM_{150}	17.8	X	41.38688	241.89238	34.54645	4.98235	0.1513861	0.30134347	2.2034077	21	9 23.4	19.9
284717 2008 TE_{166}	18.4	X	306.03154	214.06307	150.36152	2.69685	0.1888584	0.29354137	2.2422800	21	7 17.2	20.2
284718 2008 TO_{181}	17.4	X	0.81979	332.19416	333.66794	3.07756	0.1774612	0.29808867	2.2194178	21	8 20.2	18.7
284719 2008 TK_{186}	16.9	X	200.68997	62.05242	144.52532	5.17333	0.1270228	0.23286596	2.6165681	21	12 4.7	20.8
284720 2008 UV_{23}	15.9	X	275.00966	260.25832	303.52468	3.60065	0.0934818	0.17697489	3.1419187	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284721 2008 UW_{25}	17.1	X	304.01194	34.44960	188.67257	0.97341	0.1371852	0.26515570	2.3995810	21	1 4.9	20.5
284722 2008 UT_{33}	18.0	X	327.87581	184.71574	126.06530	1.75810	0.1467666	0.29045845	2.2581184	21	6 10.2	19.9
284723 2008 UC_{39}	16.5	X	309.14589	132.80495	8.16283	2.66128	0.0990194	0.23950662	2.5679765	21	—	—
284724 2008 UL_{55}	17.2	X	1.94045	3.22523	184.89157	1.05791	0.1217905	0.26934294	2.3746466	21	2 10.1	19.6
284725 2008 UT_{77}	17.6	X	288.31580	289.66864	51.73883	5.98204	0.1876530	0.28336717	2.2956360	21	5 14.7	20.5
284726 2008 UE_{111}	17.8	X	234.99347	111.23257	284.65085	3.60242	0.1213901	0.28318925	2.2965974	21	6 3.4	21.1
284727 2008 UG_{119}	16.6	X	206.19594	225.24402	9.32731	5.91773	0.1493011	0.24093196	2.5578384	21	—	—
284728 2008 UE_{127}	17.4	X	248.32477	252.86588	51.39947	2.07946	0.1846156	0.26622538	2.3931490	21	2 15.9	21.1
284729 2008 UX_{129}	17.3	X	323.28609	265.74477	25.40892	7.45420	0.1144729	0.28268004	2.2993546	21	5 5.5	19.8
284730 2008 UY_{138}	17.7	X	269.27900	72.13798	215.73080	1.04099	0.1298908	0.26892379	2.3771134	21	2 18.0	21.0
284731 2008 US_{141}	17.7	X	280.67267	246.73881	54.93881	3.48120	0.1850892	0.27542915	2.3395345	21	3 15.5	21.1
284732 2008 UY_{144}	17.3	X	253.35583	75.48524	210.90054	4.54855	0.0937180	0.26374445	2.4081331	21	2 1.7	20.9
284733 2008 UO_{147}	17.4	X	240.44124	95.36175	241.08074	5.97848	0.1442679	0.27249803	2.3562813	21	3 18.5	21.0
284734 2008 UP_{152}	17.5	X	295.55912	219.81567	60.37399	3.54053	0.1809398	0.27642747	2.3338982	21	3 4.5	20.7
284735 2008 UQ_{152}	17.1	X	294.39747	33.19851	201.37379	5.60800	0.0894297	0.26298790	2.4127493	21	1 13.8	20.5
284736 2008 UT_{178}	17.6	X	297.26903	350.09393	273.84429	3.17197	0.1809201	0.27263782	2.3554758	21	2 10.8	20.9
284737 2008 UM_{179}	16.8	X	210.31875	315.15664	299.86609	3.89566	0.0746770	0.24461642	2.5320891	21	—	—
284738 2008 UZ_{180}	16.0	X	141.72921	17.31087	265.24992	4.60904	0.2536388	0.24039882	2.5616188	21	—	—
284739 2008 UA_{197}	16.5	X	238.91786	290.41344	241.59067	7.94076	0.0877599	0.23100322	2.6306154	21	12 9.5	20.0
284740 2008 UH_{198}	17.3	X	343.45866	282.91523	50.41594	7.62527	0.1403482	0.29703344	2.2246711	21	8 29.9	19.1
284741 2008 UL_{203}	16.9	X	254.86012	14.78814	319.56680	5.79352	0.1375471	0.27769738	2.3267775	21	3 30.7	20.3
284742 2008 UT_{203}	17.2	X	276.14123	90.97615	252.11290	5.31161	0.1358397	0.28354302	2.2946868	21	5 8.3	20.1
284743 2008 UJ_{208}	17.2	X	1.65334	332.23424	237.95785	5.73426	0.0880804	0.26970505	2.3725206	21	3 14.9	19.9
284744 2008 UU_{211}	17.2	X	254.42235	311.48872	37.32080	6.92365	0.1609243	0.27650736	2.3334487	21	4 19.6	20.5
284745 2008 US_{240}	16.4	X	153.71605	319.93936	332.98101	5.04090	0.1734306	0.24502141	2.5292981	21	—	—
284746 2008 UV_{299}	16.9	X	245.53287	270.77776	279.16396	4.23815	0.1943112	0.23568878	2.5956340	21	12 26.1	20.2
284747 2008 UD_{305}	15.3	X	88.81471	204.95391	301.50505	8.73147	0.0496849	0.18040603	3.1019539	21	5 9.2	19.7
284748 2008 UJ_{329}	18.1	X	284.46117	138.76004	246.47875	3.16455	0.1891152	0.29254046	2.2473916	21	7 12.1	20.6
284749 2008 UP_{360}	17.0	X	247.33538	202.26242	16.54097	4.77727	0.0629051	0.24429636	2.5343002	21	—	—
284750 2008 UN_{361}	15.8	X	221.14390	305.12142	268.41851	13.72646	0.0516891	0.23987251	2.5653644	21	—	—
284751 2008 UE_{368}	16.5	X	43.36370	265.41196	163.55825	2.85835	0.0709525	0.24546804	2.5262292	21	—	—
284752 2008 VF_{2}	18.2	X	287.55513	67.02256	325.17530	2.72690	0.2624089	0.29344572	2.2427672	21	7 15.3	20.4
284753 2008 VK_{11}	17.4	X	293.78815	176.78880	159.24433	3.82828	0.1756035	0.28485632	2.2876284	21	5 17.8	20.0
284754 2008 VD_{13}	17.7	X	277.66554	314.46610	83.52676	5.62295	0.2081886	0.29099409	2.2553465	21	7 18.9	20.3
284755 2008 VZ_{22}	16.2	X	5.04428	286.27618	94.52881	8.22342	0.1453634	0.21923081	2.7239659	21	12 4.1	19.2
284756 2008 VA_{24}	16.8	X	146.92308	328.00239	83.15674	7.09385	0.0938840	0.26386114	2.4074231	21	3 23.4	20.2
284757 2008 VV_{25}	16.6	X	281.75773	71.85344	85.74953	4.76114	0.1019542	0.24000576	2.5644148	21	—	—
284758 2008 VN_{64}	17.0	X	147.47092	137.72786	284.84756	5.11707	0.1699730	0.26547660	2.3976469	21	4 9.0	20.6
284759 2008 WT_{2}	16.2	X	251.01355	0.65400	192.33497	10.44910	0.0929934	0.24540561	2.5266576	21	—	—
284760 2008 WO_{3}	17.0	X	133.61273	200.24366	230.17275	5.40712	0.1097306	0.26746377	2.3857563	21	3 28.5	20.2
284761 2008 WK_{21}	17.5	X	236.35830	120.74108	170.91684	0.56344	0.1754994	0.26135006	2.4228190	21	1 21.2	21.4
284762 2008 WN_{41}	17.0	X	189.69661	341.76365	276.35223	3.64866	0.0635287	0.24010241	2.5637265	21	—	—
284763 2008 WL_{68}	18.0	X	359.88531	160.56588	203.04914	1.63233	0.2528177	0.30370384	2.1919763	21	12 9.9	19.6
284764 2008 WT_{69}	16.3	X	122.16438	71.16708	258.15039	10.85251	0.0861949	0.24022254	2.5628718	21	—	—
284765 2008 WK_{70}	17.1	X	1.57470	234.95580	230.24821	1.47032	0.0464174	0.24121303	2.5558511	21	—	—
284766 2008 WX_{73}	16.9	X	50.91565	347.37283	69.62942	4.87502	0.1678673	0.24065576	2.5597951	21	—	—
284767 2008 WL_{101}	15.7	X	352.88508	143.48869	257.51719	21.22019	0.0683163	0.23053587	2.6341694	21	12 5.6	18.8
284768 2008 WM_{110}	16.8	X	255.71326	94.19942	64.97522	5.07735	0.0459286	0.23091962	2.6312503	21	12 20.9	20.3
284769 2008 WP_{115}	17.8	X	162.21448	341.79497	66.23958	2.18568	0.1815197	0.26636593	2.3923071	21	4 9.3	21.4
284770 2008 WC_{119}	16.7	X	139.90603	348.89108	254.64042	5.13053	0.0894358	0.22360356	2.6883362	21	11 17.4	20.8
284771 2008 WW_{120}	16.5	X	355.12894	315.51121	84.33975	6.15932	0.0541922	0.22336154	2.6902778	21	12 4.8	19.7
284772 2008 WM_{121}	15.4	X	261.11071	87.95018	309.06587	7.61226	0.0970675	0.19350919	2.9602949	21	7 11.5	19.6
284773 2008 WN_{121}	15.3	X	120.05361	330.32977	138.95532	19.90580	0.2093532	0.17817258	3.1278228	21	5 27.8	20.6
284774 2008 WC_{126}	16.2	X	342.61468	14.88055	281.48105	10.35269	0.0905742	0.19231948	2.9724909	21	6 25.0	19.7
284775 2008 WP_{138}	17.2	X	267.65904	179.18856	165.34400	3.30608	0.2644729	0.28066239	2.3103613	21	4 17.4	20.6
284776 2008 XC_{3}	15.7	X	12.13321	182.81296	276.45441	11.91586	0.1133760	0.23803574	2.5785443	21	—	—
284777 2008 XT_{3}	17.5	X	201.58090	49.97334	353.17837	1.94743	0.2117065	0.27422810	2.3463605	21	5 6.9	21.2
284778 2008 XH_{35}	16.2	X	132.39251	63.72972	288.33687	4.64401	0.0616121	0.24727555	2.5139035	21	—	—
284779 2008 XH_{49}	16.9	X	103.79531	56.45223	288.84702	10.98630	0.1115919	0.23467754	2.6030851	21	—	—
284780 2008 XO_{52}	16.1	X	307.52058	191.82499	290.43489	8.34859	0.0745625	0.23042919	2.6349824	21	—	—
284781 2008 YK_{13}	16.1	X	70.94560	258.67881	294.78130	10.58543	0.0469050	0.18889490	3.0083098	21	6 17.8	20.2
284782 2008 YA_{21}	16.3	X	36.78803	38.51442	293.03790	3.57006	0.0735728	0.21321959	2.7749254	21	11 3.5	19.9
284783 2008 YT_{35}	16.8	X	60.15331	298.59173	105.78904	8.99009	0.1195223	0.23623743	2.5916135	21	—	—
284784 2008 YH_{38}	16.7	X	70.99119	117.04119	287.94544	11.72618	0.1513577	0.24174023	2.5521337	21	—	—
284785 2008 YP_{40}	16.2	X	46.52543	274.80951	85.40018	6.68204	0.1286530	0.22202370	2.7010741	21	—	—
284786 2008 YO_{49}	15.9	X	127.65845	33.96904	110.61919	12.50403	0.0705083	0.18970010	2.9997910	21	6 29.3	20.3
284787 2008 YF_{51}	15.8	X	317.30110	136.88475	108.36517	12.04072	0.0656596	0.17423325	3.1747926	21	3 22.8	20.3
284788 2008 YT_{53}	16.6	X	353.97361	276.67144	82.15444	5.42615	0.0812810	0.20942867	2.8083116	21	10 11.6	20.1
284789 2008 YZ_{56}	16.4	X	49.00983	228.44963	67.45994	5.00608	0.1785251	0.21078829	2.7962225	21	10 23.4	20.0
284790 2008 YW_{75}	15.9	X	50.14040	257.05133	99.74993	14.78646	0.1178749	0.22416875	2.6838156	21	—	—
284791 2008 YG_{78}	16.6	X	92.71592	190.91682	143.10536	7.21387	0.1804263	0.22666617	2.6640656	21	—	—
284792 2008 YW_{79}	15.8	X	327.09243	132.80970	141.66455	10.08418	0.0390154	0.18219874	3.0815730	21	5 12.1	20.1
284793 2008 YQ_{80}	16.7	X	95.42255	123.55696	72.57478	3.96084	0.0305841	0.19544218	2.9407438	21	7 21.6	20.8
284794 2008 YH_{83}	17.0	X	190.27415	28.79894	320.95852	1.75657	0.2093980	0.25753689	2.4466758	21	2 22.2	21.1
284795 2008 YS_{83}	16.8	X	7.71746	225.89310	70.48925	3.15130	0.0407110	0.20041261	2.8919183	21	8 4.7	20.5
284796 2008 YA_{97}	15.6	X	350.23001	269.21634	314.57595	8.30332	0.0263579	0.17727462	3.1383762	21	4 2.5	20.1
284797 2008 YB_{101}	17.4	X	198.97801	183.19413	177.89518	1.65553	0.2106772	0.26124066	2.4234954	21	3 14.8	21.5
284798 2008 YT_{103}	16.0	X	48.64506	77.35304	110.70599	7.28725	0.0723714	0.18210713	3.0826064	21	5 15.9	20.1
284799 2008 YC_{106}	16.9	X	110.46956	73.25545	309.18390	9.69336	0.1975851	0.24412652	2.5354755	21	1 14.5	20.0
284800 2008 YS_{112}	16.2	X	105.91445	296.37926	89.89848	6.80729	0.1934070	0.24413891	2.5353897	21	1 11.9	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284801 2008 YM_{113}	16.6	X	83.39495	264.06047	94.90902	4.43478	0.0998214	0.23376475	2.6098569	21	—	—
284802 2008 YV_{117}	15.9	X	299.02692	329.45388	121.65449	12.64485	0.0787836	0.21695369	2.7429929	21	11 20.8	19.5
284803 2008 YZ_{118}	15.6	X	81.66832	28.79989	119.08309	12.78455	0.0274894	0.18031122	3.1030413	21	5 6.6	20.1
284804 2008 YH_{123}	16.8	X	15.19165	144.68944	256.57619	3.36726	0.0814894	0.22681559	2.6628955	21	—	—
284805 2008 YL_{123}	16.7	X	351.66337	129.81963	261.73224	5.27604	0.0376735	0.21849742	2.7300578	21	11 16.0	20.2
284806 2008 YZ_{123}	15.9	X	231.79192	314.45918	131.28312	7.17080	0.0259994	0.20269586	2.8701602	21	8 17.2	19.8
284807 2008 YH_{127}	16.9	X	15.37962	245.62504	100.03503	4.48241	0.1007007	0.21339319	2.7734202	21	10 29.0	20.3
284808 2008 YL_{136}	17.5	X	189.71409	20.14969	336.26709	3.24258	0.1895078	0.25937891	2.4350783	21	2 28.9	21.4
284809 2008 YS_{136}	16.3	X	358.16654	54.72051	290.32151	4.66395	0.0320167	0.21145177	2.7903703	21	9 22.0	20.1
284810 2008 YA_{137}	16.1	X	178.19974	210.73366	297.18868	13.30100	0.0884539	0.20379750	2.8598076	21	8 24.4	20.6
284811 2008 YT_{137}	15.3	X	301.93772	359.38004	292.59847	24.05888	0.1442315	0.18180251	3.0860489	21	3 29.0	20.1
284812 2008 YY_{141}	16.3	X	357.85743	142.01423	301.18051	12.80686	0.1080615	0.23086003	2.6317031	21	—	—
284813 2008 YA_{152}	16.1	X	341.04982	353.56448	125.52705	22.75966	0.0306713	0.23220691	2.6215167	21	—	—
284814 2008 YE_{152}	16.2	X	319.97435	196.85346	92.35309	3.64908	0.1150342	0.18478059	3.0528009	21	5 9.0	20.0
284815 2008 YM_{152}	15.6	X	298.07365	330.01139	309.72101	9.06157	0.1728772	0.17700213	3.1415964	21	3 15.6	20.3
284816 2008 YJ_{153}	17.3	X	61.95525	111.05205	271.65166	1.99700	0.0997082	0.23284787	2.6167036	21	—	—
284817 2008 YC_{161}	16.0	X	109.24139	63.88958	72.98340	4.43971	0.1102193	0.18589848	3.0405500	21	6 2.6	20.4
284818 2008 YK_{163}	16.8	X	11.39992	226.71390	149.55625	5.61444	0.1254686	0.21944695	2.7221769	21	12 5.8	20.1
284819 2008 YY_{165}	16.0	X	260.11485	265.13624	92.94074	10.65924	0.0730576	0.18387199	3.0628495	21	5 25.8	20.5
284820 2008 YY_{166}	15.4	X	39.55219	265.86829	268.79990	8.72379	0.0556942	0.17819550	3.1275545	21	4 8.1	19.7
284821 2008 YS_{170}	16.3	X	57.14962	317.45000	94.38541	10.76436	0.1984400	0.23808910	2.5781591	21	—	—
284822 2008 YS_{172}	15.7	X	353.55121	275.43383	302.71967	10.46408	0.1757859	0.17628106	3.1501576	21	3 18.1	19.5
284823 2009 AQ_{35}	16.1	X	349.75145	303.10456	290.11840	15.05737	0.0721451	0.17907338	3.1173247	21	4 6.6	20.5
284824 2009 AT_{35}	16.1	X	350.38791	147.56919	103.98681	10.75772	0.0110015	0.18389158	3.0626320	21	5 15.8	20.5
284825 2009 AS_{42}	17.0	X	350.60849	324.49740	81.37047	2.76210	0.0627938	0.22081091	2.7109553	21	12 5.9	20.3
284826 2009 AY_{42}	15.5	X	355.66767	108.07024	142.09027	10.96352	0.0639106	0.18107997	3.0942526	21	5 19.2	19.7
284827 2009 AH_{44}	16.6	X	351.01959	246.46383	149.97719	5.12037	0.1048342	0.21625387	2.7489075	21	11 27.4	19.8
284828 2009 AQ_{47}	16.4	X	33.99582	22.04247	288.33503	4.93032	0.0622460	0.20696477	2.8305561	21	9 29.2	20.2
284829 2009 BZ_{3}	15.6	X	58.37805	271.14075	255.24965	9.38762	0.1078813	0.17923598	3.1154390	21	5 2.5	19.7
284830 2009 BT_{8}	16.8	X	156.51768	257.83891	128.87903	11.35228	0.2571226	0.25759747	2.4462921	21	3 17.6	20.9
284831 2009 BE_{16}	17.6	X	130.92056	208.95263	143.02409	3.20313	0.1584351	0.24179082	2.5517777	21	—	—
284832 2009 BH_{17}	16.4	X	47.92543	124.79757	127.56049	6.74402	0.0682833	0.19712994	2.9239346	21	8 5.9	20.1
284833 2009 BA_{38}	16.5	X	53.54539	317.21606	97.45101	4.70321	0.2241486	0.23728365	2.5839901	21	—	—
284834 2009 BJ_{42}	15.9	X	48.69645	205.01731	328.85129	4.18733	0.0633764	0.17615832	3.1516207	21	4 23.0	20.1
284835 2009 BW_{46}	15.8	X	108.36485	310.77041	163.03501	4.53336	0.0348767	0.17572305	3.1568230	21	4 25.1	20.3
284836 2009 BP_{52}	16.3	X	246.94339	314.77211	145.15023	15.76177	0.0981681	0.20402766	2.8576565	21	9 15.9	20.4
284837 2009 BR_{59}	16.4	X	44.05008	304.22159	117.61097	11.17713	0.1959382	0.23586332	2.5943532	21	—	—
284838 2009 BK_{68}	16.7	X	82.65508	340.02424	71.62895	5.94093	0.1977564	0.24471973	2.5313764	21	1 9.2	19.1
284839 2009 BY_{68}	15.5	X	299.77767	322.04393	317.71617	8.26776	0.0400820	0.17499470	3.1655763	21	4 5.8	20.2
284840 2009 BR_{69}	16.9	X	27.71489	115.68792	311.13447	12.11124	0.1395118	0.23445343	2.6047437	21	—	—
284841 2009 BH_{77}	15.6	X	298.28554	169.93567	308.23433	21.29072	0.0192694	0.22674625	2.6634383	21	12 30.4	19.4
284842 2009 BT_{81}	16.8	X	111.55864	205.34193	180.81787	2.27692	0.1557445	0.24569065	2.5247030	21	1 12.7	19.9
284843 2009 BO_{82}	16.0	X	13.05794	347.54303	94.45658	12.88550	0.1491010	0.23241479	2.6199532	21	—	—
284844 2009 BJ_{84}	15.5	X	310.46244	340.97786	303.67825	10.70995	0.0960783	0.18083040	3.0970990	21	4 16.1	19.9
284845 2009 BG_{85}	16.0	X	309.63990	193.71744	143.05736	9.54968	0.0117193	0.19280013	2.9675486	21	7 7.9	20.1
284846 2009 BM_{91}	16.2	X	265.40431	238.93388	134.62402	12.90811	0.0236386	0.19036559	2.9927958	21	6 26.8	20.5
284847 2009 BD_{92}	16.3	X	337.00217	115.19523	142.52864	11.53333	0.0864275	0.17765022	3.1339511	21	4 30.8	20.5
284848 2009 BQ_{93}	16.0	X	315.73307	0.18614	261.01345	1.87745	0.0771518	0.17353660	3.1832835	21	4 1.6	20.3
284849 2009 BO_{94}	16.3	X	350.15408	55.29678	319.84497	7.74695	0.1229670	0.21053412	2.7984726	21	10 22.7	19.7
284850 2009 BM_{105}	15.8	X	260.56753	158.44658	156.96343	10.25735	0.0677540	0.17376830	3.1804532	21	4 5.5	20.5
284851 2009 BQ_{122}	15.7	X	265.45063	8.87954	326.92493	11.54671	0.0783813	0.18007229	3.1057854	21	4 26.5	20.4
284852 2009 BH_{128}	15.8	X	344.52739	129.83989	127.38712	15.77336	0.0285662	0.17873924	3.1212084	21	5 16.9	20.4
284853 2009 BX_{136}	15.5	X	349.22674	305.13255	319.95122	8.40689	0.0295287	0.18453372	3.0555230	21	5 25.7	19.8
284854 2009 BG_{140}	17.0	X	112.04234	67.26594	317.52475	5.70713	0.2326359	0.24364269	2.5388310	21	1 24.8	20.2
284855 2009 BM_{143}	16.5	X	61.67622	223.41062	134.88329	5.17630	0.1556239	0.22358964	2.6884478	21	—	—
284856 2009 BG_{147}	16.0	X	229.77760	187.73805	165.84570	11.86402	0.0565516	0.17404031	3.1771385	21	4 18.7	20.8
284857 2009 BP_{158}	15.4	X	128.51324	340.52061	158.63046	10.02698	0.0400464	0.18366510	3.0651493	21	6 20.3	20.0
284858 2009 BG_{161}	16.4	X	84.19248	283.03807	124.76494	14.05438	0.1890815	0.24118817	2.5560267	21	1 5.9	19.2
284859 2009 BP_{167}	15.5	X	126.30705	145.05403	315.10412	10.37440	0.0482914	0.17517290	3.1634291	21	4 25.5	20.3
284860 2009 BY_{176}	16.8	X	59.60152	261.54708	145.75805	9.92069	0.2059428	0.23647809	2.5898549	21	—	—
284861 2009 BR_{177}	16.0	X	260.97602	217.38316	175.56867	10.11615	0.0024211	0.18583457	3.0412471	21	7 17.4	20.4
284862 2009 BU_{189}	15.9	X	41.91366	289.06758	265.34237	3.79220	0.0621943	0.17845621	3.1245077	21	5 10.7	20.0
284863 2009 CL_{2}	15.7	X	43.08246	93.18931	114.78623	10.76394	0.0244236	0.18364954	3.0653223	21	5 29.3	20.0
284864 2009 CV_{28}	16.7	X	62.36510	252.21319	138.02706	11.69930	0.2151719	0.23080165	2.6321468	21	—	—
284865 2009 CP_{32}	15.6	X	125.50033	352.16728	147.31774	9.23656	0.0554527	0.18307285	3.0717562	21	6 19.0	20.2
284866 2009 CG_{40}	15.4	X	65.36644	59.73871	103.69583	11.89401	0.0515025	0.17800592	3.1297748	21	5 7.7	19.8
284867 2009 CU_{41}	16.1	X	274.76185	208.01421	140.07879	14.90855	0.0486607	0.18805886	3.0172191	21	6 4.7	20.6
284868 2009 CO_{45}	16.4	X	98.44011	223.96208	119.02201	8.39814	0.1882112	0.23202857	2.6228597	21	—	—
284869 2009 CG_{55}	15.7	X	16.29145	107.80083	149.20046	12.59905	0.0812168	0.18590943	3.0404307	21	6 26.3	19.7
284870 2009 CT_{58}	16.0	X	311.27195	343.75424	328.76336	6.32869	0.1068609	0.18209670	3.0827241	21	5 25.7	20.2
284871 2009 CK_{64}	16.1	X	227.51010	73.22836	326.53904	8.93199	0.1188595	0.18663779	3.0325153	21	6 2.9	21.0
284872 2009 DV_{10}	16.8	X	43.90225	87.96653	291.29008	10.84969	0.1113314	0.22496761	2.6774583	21	—	—
284873 2009 DN_{37}	16.8	X	357.30445	250.34313	150.55469	9.58346	0.1734512	0.21858512	2.7293275	21	12 20.9	19.9
284874 2009 DX_{39}	16.3	X	333.39521	219.14309	146.55871	12.59782	0.0136021	0.20107300	2.8855828	21	9 19.0	20.2
284875 2009 DG_{41}	15.4	X	85.83279	343.79403	131.58301	9.99689	0.0637067	0.17221899	3.1994993	21	4 5.9	19.9
284876 2009 DK_{42}	15.3	X	81.64268	4.19963	160.00111	13.64096	0.1075529	0.17766764	3.1337463	21	6 5.3	19.9
284877 2009 DA_{66}	16.2	X	239.00777	155.13734	169.53121	7.70887	0.1451498	0.16941379	3.2347214	21	3 16.5	21.4
284878 2009 DX_{71}	16.6	X	1.53073	267.46341	134.10050	15.48454	0.1803112	0.21866786	2.7286390	21	12 30.3	19.8
284879 2009 DF_{93}	15.6	X	143.10186	310.12524	150.66964	11.65362	0.0624817	0.17556629	3.1587018	21	5 24.9	20.5
284880 2009 DR_{127}	15.6	X	344.90752	291.10085	16.62417	9.84750	0.1214101	0.18158135	3.0885541	21	7 14.9	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284881 2009 EA_{21}	15.4	X	150.25809	12.58274	119.13955	10.94588	0.0905491	0.18719502	3.0264942	21	7 9.6	20.0
284882 2009 FY_{59}	13.3	X	291.06631	208.64283	113.94082	9.32782	0.0890367	0.08443093	5.1459829	21	5 23.1	20.1
284883 2009 FB_{63}	13.2	X	248.29064	127.79583	219.79446	8.21330	0.0467524	0.08353899	5.1825469	21	5 7.1	20.1
284884 2009 HT_{15}	15.6	X	217.40213	272.96623	149.59873	11.18077	0.1424860	0.18355141	3.0664147	21	6 21.3	20.6
284885 2009 HU_{50}	16.0	X	208.81588	262.80961	184.88833	11.74303	0.1950572	0.18456496	3.0551782	21	7 9.3	21.3
284886 2009 JO_{4}	15.7	X	192.75840	270.16344	167.59205	26.07337	0.2069733	0.17806715	3.1290572	21	6 17.1	21.5
284887 2009 KE_{9}	12.6	X	329.52998	218.96733	62.67260	23.04518	0.0121972	0.08414105	5.1577954	21	5 27.9	19.3
284888 2009 QR_{14}	16.9	X	64.18755	54.89815	341.13067	11.89136	0.1255307	0.27279992	2.3545426	21	—	—
284889 2009 QJ_{46}	17.5	X	27.38315	76.39526	323.75820	0.68603	0.1863017	0.26433153	2.4045662	21	—	—
284890 2009 QL_{60}	15.9	X	339.43387	77.89447	357.83173	25.12762	0.2632659	0.17527106	3.1622479	21	12 27.1	19.5
284891 Kona	15.6	X	12.88309	237.20982	205.71891	16.29481	0.2098273	0.18124199	3.0924083	21	—	—
284892 2009 SN_{84}	17.4	X	334.13072	333.41675	137.06302	2.06384	0.1359495	0.26857216	2.3791878	21	—	—
284893 2009 SQ_{129}	16.7	X	128.75371	204.32102	163.79276	4.02110	0.0940886	0.19545195	2.9406457	21	1 13.5	20.9
284894 2009 SV_{154}	16.3	X	310.01357	214.71115	213.43222	11.23787	0.1923248	0.25407165	2.4688720	21	11 1.9	18.4
284895 2009 SW_{168}	15.7	X	58.03174	235.75064	165.34422	11.82539	0.3444369	0.18491413	3.0513310	21	—	—
284896 2009 SY_{337}	16.0	X	266.32788	174.46371	220.69361	12.14372	0.1298726	0.23118281	2.6292529	21	7 8.0	19.8
284897 2009 SQ_{340}	17.6	X	87.45260	126.20617	255.05615	0.81524	0.0174501	0.27178755	2.3603859	21	—	—
284898 2009 TC_{5}	16.9	X	303.80738	321.15111	20.24617	5.50782	0.3087436	0.23323245	2.6138264	21	5 18.4	20.2
284899 2009 UV_{20}	16.0	X	122.44656	197.47894	240.00830	11.28635	0.0920885	0.20540405	2.8448763	21	3 26.9	20.3
284900 2009 US_{80}	16.1	X	231.60059	175.92560	223.59139	13.58347	0.0718167	0.22377178	2.6869887	21	6 10.9	20.1
284901 2009 UD_{147}	16.7	X	11.65315	312.46704	145.69027	0.44588	0.1560679	0.18048387	3.1010621	21	—	—
284902 2009 VL_{14}	15.8	X	333.34317	216.00144	241.19421	11.75092	0.1766833	0.17245854	3.1965359	21	—	—
284903 2009 VF_{43}	16.6	X	324.42403	222.00408	125.02233	2.85868	0.2017393	0.23419466	2.6066620	21	7 23.7	19.1
284904 2009 VK_{68}	15.4	X	92.63430	142.35267	252.45947	10.53713	0.0978665	0.18553342	3.0445372	21	1 3.2	19.5
284905 2009 VZ_{93}	16.5	X	195.39731	227.39282	179.54402	4.64872	0.0777781	0.21424825	2.7660362	21	5 11.9	20.6
284906 2009 XR_{6}	17.0	X	230.83739	89.15492	262.00817	20.00032	0.1281871	0.37802163	1.8943415	21	3 7.7	20.1
284907 2009 XH_{16}	16.8	X	28.82116	286.26324	294.94638	6.66327	0.1348327	0.28706256	2.2758922	21	5 23.4	18.8
284908 2009 YA_{17}	16.2	X	176.11312	221.23680	111.12025	6.92647	0.0619579	0.25346503	2.4728096	21	1 9.0	19.5
284909 2009 YR_{25}	17.7	X	91.17432	65.79365	100.19983	6.27362	0.1028396	0.28828740	2.2694412	21	6 14.3	20.4
284910 2010 AU_{11}	17.3	X	121.03457	209.79027	297.08544	4.98672	0.0882018	0.29029463	2.2589679	21	6 25.3	20.0
284911 2010 AW_{32}	17.5	X	354.40678	142.13282	60.75060	2.93181	0.1298921	0.27238644	2.3569248	21	2 18.6	19.8
284912 2010 AS_{66}	17.1	X	53.18918	217.60958	298.09817	3.40118	0.0456214	0.27417697	2.3466522	21	3 21.6	19.7
284913 2010 AJ_{76}	16.5	X	334.97955	277.46884	275.81682	4.64351	0.1280479	0.26311910	2.4119472	21	1 6.9	19.2
284914 2010 AP_{79}	17.3	X	219.55931	233.01425	128.46419	23.88118	0.0958512	0.36684064	1.9326405	21	4 1.9	20.2
284915 2010 AX_{91}	16.3	X	131.17825	214.18418	130.85229	10.57567	0.0972632	0.24312408	2.5424401	21	—	—
284916 2010 AC_{125}	15.5	X	40.16823	275.86584	98.57622	10.39716	0.0793996	0.17500264	3.1654805	21	12 25.8	19.8
284917 2010 BG_{4}	16.3	X	155.44928	256.72150	328.77699	12.00342	0.2234726	0.22576110	2.6711809	21	11 6.3	21.2
284918 2010 BO_{15}	16.0	X	341.99314	54.79326	153.51596	12.03188	0.1246916	0.17178141	3.2049304	21	2 26.9	19.9
284919 2010 BK_{82}	15.5	X	244.33445	30.94961	299.66280	12.89268	0.0456251	0.17565870	3.1575939	21	3 29.0	20.4
284920 2010 CM_{46}	15.5	X	249.88108	227.73564	115.38079	16.07137	0.0714633	0.17644420	3.1482155	21	5 1.1	20.4
284921 2010 CU_{56}	17.4	X	241.18772	337.92385	130.40558	4.74917	0.1123621	0.30998079	2.1622846	21	9 27.9	19.9
284922 2010 CL_{82}	16.4	X	145.69425	266.30631	347.97058	5.58529	0.0453480	0.22714725	2.6603027	21	12 6.6	20.3
284923 2010 CT_{82}	17.0	X	151.88206	54.87690	172.39221	5.32242	0.0918881	0.22098304	2.7095474	21	11 11.3	21.2
284924 2010 CW_{96}	17.2	X	298.88986	316.45983	330.38161	6.08204	0.0989138	0.27717590	2.3296950	21	3 25.3	20.2
284925 2010 CY_{103}	16.6	X	223.20447	85.55684	127.60260	3.46212	0.0740351	0.23641580	2.5903099	21	—	—
284926 2010 CX_{128}	15.0	X	262.12831	332.30764	289.61074	13.16062	0.1699327	0.17176840	3.2050922	21	1 21.1	20.1
284927 2010 CU_{153}	16.6	X	199.67461	67.48245	150.25561	10.39188	0.0918746	0.23130020	2.6283632	21	12 20.4	20.6
284928 2010 CH_{172}	16.6	X	345.10545	6.94940	186.18382	7.24909	0.0589448	0.26163171	2.4210799	21	1 30.2	19.6
284929 2010 CA_{180}	17.1	X	26.38857	208.48637	348.29716	8.58404	0.1123785	0.27470633	2.3436366	21	4 7.0	19.3
284930 2010 CC_{225}	15.2	X	241.21098	250.45548	91.30424	26.87933	0.1905306	0.17279891	3.1923369	21	4 18.2	20.9
284931 2010 DR	17.0	X	358.05367	241.59258	318.92832	11.57861	0.0808116	0.26756446	2.3851577	21	2 24.5	19.8
284932 2010 DG_{3}	16.7	X	329.42144	297.95618	246.26533	4.23959	0.1238716	0.25888215	2.4381924	21	—	—
284933 2010 DX_{7}	16.9	X	248.91126	243.00154	330.60996	5.57737	0.0330174	0.24442782	2.5333914	21	—	—
284934 2010 DN_{26}	15.4	X	251.57395	241.72502	118.00277	27.96576	0.2592760	0.17513481	3.1638877	21	5 9.9	21.1
284935 2010 DS_{50}	15.4	X	275.51010	176.23246	132.75413	18.95514	0.0240089	0.17337551	3.1852551	21	4 25.9	20.3
284936 2010 DU_{50}	16.0	X	265.59768	28.50816	240.89015	7.50259	0.1072903	0.15976746	3.3636477	21	2 7.6	21.2
284937 2010 DY_{53}	15.1	X	190.22456	228.14699	108.35728	16.70644	0.1313072	0.15609465	3.4162058	21	2 19.6	20.7
284938 2010 DX_{73}	16.7	X	359.67184	1.55155	158.76579	10.54253	0.0878284	0.25889397	2.4381182	21	1 5.2	19.8
284939 2010 DL_{75}	17.3	X	178.03562	195.53633	56.72897	0.38425	0.0986429	0.23423466	2.6063652	21	—	—
284940 2010 EM_{2}	17.2	X	3.12227	112.53392	125.04981	7.49293	0.0751285	0.27957129	2.3163686	21	5 3.9	19.7
284941 2010 EB_{21}	16.9	X	302.83765	126.32622	151.18328	9.79123	0.0352038	0.27200921	2.3591034	21	4 3.1	19.8
284942 2010 EQ_{30}	16.8	X	311.32604	114.13996	146.67055	7.25028	0.0785160	0.26887107	2.3774241	21	3 14.9	19.7
284943 2010 EZ_{33}	16.9	X	276.70092	359.74641	162.97241	0.90936	0.1214654	0.23746239	2.5826933	21	—	—
284944 2010 EQ_{34}	16.0	X	267.54915	199.70395	311.02037	11.15982	0.1150394	0.23491200	2.6013527	21	12 18.2	19.3
284945 Saint–Imier	15.8	X	42.52943	189.35887	1.06983	4.78152	0.0737508	0.18348898	3.0671103	21	5 6.3	19.7
284946 2010 EC_{79}	17.0	X	250.88018	189.95230	134.46093	4.02796	0.1851241	0.26801806	2.3824658	21	3 15.3	20.8
284947 2010 EO_{87}	16.8	X	7.38376	274.65803	180.57070	1.61062	0.0712547	0.23920561	2.5701303	21	—	—
284948 2010 ET_{99}	16.5	X	296.74275	358.24041	153.20012	5.38496	0.1253578	0.23754034	2.5821282	21	—	—
284949 2010 EK_{105}	17.0	X	351.23696	72.43933	93.86615	4.86596	0.0771189	0.25795497	2.4440314	21	1 3.2	19.9
284950 2010 EO_{126}	15.7	X	100.43564	131.45475	115.84569	13.75138	0.0856435	0.21179311	2.7873714	21	10 16.2	20.0
284951 2010 EW_{126}	16.0	X	260.97164	241.68269	277.25527	6.27914	0.1443129	0.23385653	2.6091741	21	12 14.3	19.1
284952 2010 EG_{127}	15.6	X	0.55398	197.53563	23.89996	8.58736	0.1583999	0.17964305	3.1107309	21	4 11.3	19.1
284953 2010 EL_{127}	16.2	X	309.13857	5.88027	134.68823	12.89607	0.1180349	0.23923178	2.5699429	21	—	—
284954 2010 EF_{129}	16.4	X	11.92839	194.35520	214.80305	3.17793	0.0582094	0.22872315	2.6480690	21	—	—
284955 2010 EN_{129}	16.5	X	158.97206	166.27491	69.15976	2.32880	0.0213151	0.22168632	2.7038139	21	11 28.8	20.3
284956 2010 EF_{130}	16.4	X	198.81106	273.39745	3.49299	12.11867	0.2227958	0.23680168	2.5874951	21	—	—
284957 2010 EJ_{133}	16.7	X	71.56514	254.58098	135.46667	5.67418	0.0612654	0.23988080	2.5653053	21	—	—
284958 2010 EH_{137}	16.2	X	49.79024	263.23141	153.77682	4.37491	0.0601190	0.24156206	2.5533885	21	—	—
284959 2010 EP_{139}	16.1	X	326.46971	218.39622	12.00564	5.09228	0.1365155	0.17380792	3.1799698	21	3 3.1	20.2
284960 2010 EC_{140}	16.1	X	317.97634	148.48907	138.24095	2.23418	0.1203835	0.18390362	3.0624983	21	5 2.0	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
284961 2010 ET_{140}	16.1	X	180.86445	282.53992	297.35807	10.52666	0.1310907	0.22613024	2.6682732	21	11 27.7	20.4
284962 2010 FW	16.5	X	169.96535	35.36991	153.36562	8.87346	0.1226344	0.21782491	2.7356741	21	10 13.8	20.8
284963 2010 FC_{5}	16.0	X	53.31251	167.88432	87.38474	2.96759	0.1302461	0.20013304	2.8946109	21	8 28.1	19.7
284964 2010 FO_{5}	16.9	X	178.24464	95.41363	148.01805	12.38109	0.1608476	0.23452163	2.6042387	21	12 24.6	21.2
284965 2010 FX_{14}	15.8	X	183.62659	222.13443	80.48327	13.31486	0.1451457	0.24622206	2.5210690	21	—	—
284966 2010 FO_{20}	16.7	X	106.89376	219.57281	76.70311	3.12095	0.0624662	0.22723916	2.6595854	21	12 16.5	20.5
284967 2010 FY_{22}	16.2	X	15.97304	206.01646	98.34085	3.01098	0.2003165	0.20348452	2.8627393	21	9 13.2	19.1
284968 2010 FZ_{27}	15.8	X	79.11881	96.76356	108.20434	8.25819	0.1460066	0.19822600	2.9131464	21	7 29.3	19.8
284969 2010 FG_{85}	16.0	X	186.44219	101.59169	130.26498	13.85240	0.0993289	0.22990420	2.6389923	21	12 22.8	20.0
284970 2010 FP_{100}	16.5	X	99.04077	129.32051	156.61981	5.30555	0.0880178	0.21965112	2.7204898	21	11 27.3	20.5
284971 2010 GS_{6}	16.1	X	88.90690	111.62681	143.66174	10.88077	0.0803408	0.21006722	2.8026177	21	10 9.1	20.2
284972 2010 GM_{7}	16.6	X	88.59985	331.26753	284.27573	1.56044	0.0505720	0.20964643	2.8063666	21	9 30.5	20.6
284973 2010 GJ_{25}	16.0	X	10.61263	53.60354	170.38736	9.69732	0.0763698	0.17978437	3.1091005	21	5 6.5	20.0
284974 2010 GV_{26}	15.7	X	323.96577	117.29489	157.62471	7.76752	0.0864980	0.18015096	3.1048813	21	5 1.9	19.8
284975 2010 GG_{27}	15.8	X	55.33069	36.77658	101.49895	7.00041	0.0119179	0.17054184	3.2204415	21	3 19.6	20.3
284976 2010 GA_{32}	15.6	X	40.56005	234.91310	337.54538	9.14314	0.1732878	0.18755189	3.0226539	21	6 14.1	19.3
284977 2010 GV_{96}	15.9	X	73.17205	108.21855	141.29361	15.42817	0.1135958	0.20435172	2.8546345	21	9 15.8	19.9
284978 2010 GG_{104}	16.2	X	353.93809	89.50409	175.93648	4.34957	0.0571518	0.18694296	3.0292142	21	6 3.1	20.2
284979 2010 GO_{105}	15.5	X	285.84179	186.32520	115.52322	7.17911	0.0972459	0.17508940	3.1644347	21	4 15.3	20.1
284980 2010 GC_{118}	16.5	X	307.79694	273.51724	153.45905	8.95026	0.0778873	0.21420535	2.7664055	21	10 31.8	20.0
284981 2010 GT_{119}	16.0	X	283.73855	201.62858	100.17164	3.48823	0.2072528	0.17787181	3.1313478	21	3 27.4	20.6
284982 2010 GS_{124}	15.6	X	253.20578	270.23308	92.90534	10.01563	0.0496118	0.18184673	3.0855485	21	5 26.7	20.0
284983 2010 GG_{127}	15.3	X	218.54349	277.08065	94.01408	10.75605	0.0867352	0.17626761	3.1503178	21	4 27.6	20.2
284984 Ikaunieks	16.7	X	46.15179	283.17229	78.58569	8.89057	0.0831191	0.22425477	2.6831292	21	12 28.9	20.3
284985 2010 GO_{158}	15.4	X	30.01939	87.61148	103.48806	15.30447	0.0587918	0.17609315	3.1523982	21	4 27.4	19.8
284986 2010 HT_{23}	15.0	X	298.80955	174.72027	101.82920	14.28478	0.0802165	0.17339281	3.1850432	21	4 6.7	19.7
284987 2010 HH_{105}	16.0	X	287.72496	141.23614	198.67850	1.68526	0.0667593	0.18664663	3.0324195	21	6 5.4	20.0
284988 2010 JV_{35}	16.6	X	304.63567	213.92085	199.36873	3.70093	0.0620233	0.21352665	2.7722644	21	10 6.8	20.0
284989 2010 JP_{38}	16.1	X	284.68643	136.77307	165.45609	10.31852	0.2016154	0.17481811	3.1677078	21	3 29.7	20.8
284990 2010 JF_{76}	16.0	X	272.05917	234.20246	107.98989	10.28717	0.1579215	0.18026005	3.1036285	21	5 10.8	20.7
284991 2010 JU_{111}	15.3	X	282.06916	200.94695	106.34406	10.73027	0.0448115	0.17743472	3.1364881	21	4 26.1	19.9
284992 2010 JA_{148}	15.7	X	7.86849	136.04801	112.85628	12.48450	0.0400055	0.18315399	3.0708490	21	6 3.6	19.9
284993 2010 JD_{171}	16.6	X	275.21064	46.76646	42.20282	4.96981	0.0355240	0.21454653	2.7634719	21	10 16.9	20.2
284994 2010 KD_{60}	16.6	X	325.48168	178.55909	110.63992	23.66083	0.2010052	0.28248972	2.3003872	21	5 6.2	19.6
284995 2010 KF_{124}	16.4	X	17.11754	298.44029	276.34808	0.58685	0.1968618	0.18601062	3.0393279	21	5 3.5	19.5
284996 Rosaparks	15.5	X	319.29883	332.06578	271.47899	12.11407	0.1288964	0.17716409	3.1396815	21	3 2.1	20.0
284997 2010 NV_{7}	16.1	X	320.95824	327.31314	95.86539	6.38717	0.0318167	0.22085701	2.7105781	21	11 17.1	19.6
284998 2010 NU_{29}	16.1	X	326.27693	327.82224	322.10487	11.95608	0.0584869	0.18669208	3.0319273	21	5 22.2	20.4
284999 2010 NN_{90}	15.6	X	51.41729	84.23457	196.58516	11.02549	0.1327410	0.17759975	3.1345448	21	9 23.3	19.7
285000 2010 OS_{56}	15.9	X	269.99251	44.61094	263.95674	3.06526	0.1276971	0.17324815	3.1868159	21	3 27.6	20.6
285001 2010 RN_{47}	17.3	X	259.54933	96.18393	222.05061	1.11827	0.0818395	0.23847744	2.5753595	21	3 27.1	20.7
285002 2010 TU_{131}	17.4	X	283.41803	245.27532	186.43073	22.25790	0.1173191	0.35664741	1.9692915	21	10 17.6	18.8
285003 2010 UH_{46}	16.7	X	148.60259	131.63357	251.17551	4.19419	0.0765001	0.22019225	2.7160308	21	2 15.3	20.5
285004 2010 UY_{98}	17.5	X	261.14459	242.22802	318.06578	6.34441	0.1330706	0.29490541	2.2353604	21	—	—
285005 2010 VG_{120}	15.8	X	192.09337	272.98113	67.14978	15.15094	0.0480183	0.21507228	2.7589665	21	2 18.3	20.1
285006 2010 VV_{132}	17.4	X	332.13210	0.93416	19.49500	5.84260	0.1438377	0.26438156	2.4042628	21	10 11.4	19.5
285007 2010 XO_{55}	17.4	X	322.99716	331.41767	120.69572	1.97876	0.1511707	0.26969102	2.3726029	21	—	—
285008 2011 AP_{8}	15.6	X	2.40185	12.09161	107.83106	11.54981	0.0651054	0.19084130	2.9878203	21	—	—
285009 2011 AJ_{20}	15.9	X	7.39550	335.98581	95.50642	12.10347	0.1457053	0.18095399	3.0956886	21	—	—
285010 2011 AM_{66}	17.9	X	344.13339	244.08778	305.99766	1.01318	0.1804112	0.29056667	2.2575576	21	—	—
285011 2011 BY_{19}	17.3	X	270.00203	130.29661	35.68650	2.62385	0.1557947	0.26448368	2.4036439	21	—	—
285012 2011 BP_{36}	16.8	X	23.72604	65.14769	163.88405	3.22637	0.1102744	0.21668590	2.7452524	21	5 31.3	19.9
285013 2011 BT_{89}	16.0	X	67.02466	251.07416	141.49888	11.19878	0.0982412	0.18218377	3.0817419	21	—	—
285014 2011 BF_{94}	16.3	X	59.96983	58.33585	314.81689	5.82362	0.0891195	0.17973993	3.1096130	21	—	—
285015 2011 BD_{114}	15.8	X	179.35287	186.78022	77.71129	6.00572	0.0140263	0.17671834	3.1449589	21	—	—
285016 2011 CZ_{7}	15.8	X	344.93989	143.94045	147.00640	26.83150	0.0941428	0.22415371	2.6839356	21	6 23.9	19.6
285017 2011 CZ_{20}	16.8	X	332.83410	115.14565	140.83231	5.65374	0.0363425	0.21149592	2.7899819	21	4 22.4	20.5
285018 2011 CA_{71}	15.3	X	79.42889	321.21969	2.40238	9.66942	0.0567690	0.15638622	3.4119583	21	12 3.7	20.3
285019 2011 CW_{77}	17.2	X	222.03029	56.61926	27.50673	6.12998	0.3200358	0.23712153	2.5851677	21	7 11.7	21.9
285020 2011 DG_{4}	14.8	X	318.13716	331.69327	163.20857	28.10282	0.1358324	0.17414827	3.1758253	21	—	—
285021 2011 DW_{10}	15.6	X	325.77377	144.58071	339.89633	16.11423	0.1811947	0.17426295	3.1744319	21	—	—
285022 2011 DF_{18}	17.0	X	101.33828	204.79262	99.43319	1.78968	0.1340516	0.24852958	2.5054399	21	12 29.0	20.8
285023 2011 DT_{21}	16.6	X	9.26005	220.51987	349.49780	13.55885	0.1289705	0.20123982	2.8839879	21	4 4.6	20.1
285024 2011 DD_{40}	15.5	X	81.09643	243.06640	162.68032	16.43163	0.0857831	0.18398709	3.0615721	21	—	—
285025 2011 DZ_{40}	16.7	X	27.61814	153.13858	352.78562	9.98624	0.0880832	0.19248766	2.9707593	21	2 18.1	20.3
285026 2011 DA_{43}	15.7	X	62.38167	227.62489	175.14697	5.51363	0.1182865	0.17920151	3.1158386	21	—	—
285027 2011 DX_{45}	16.1	X	245.93304	133.22468	103.21521	2.56071	0.1357129	0.17557381	3.1586116	21	—	—
285028 2011 EO	16.2	X	315.89166	40.20678	107.27964	6.23903	0.0779704	0.17895062	3.1187501	21	—	—
285029 2011 EW_{10}	17.7	X	224.00369	332.89224	150.88326	6.63706	0.1648709	0.24179319	2.5517611	21	9 13.7	21.4
285030 2011 EJ_{11}	15.2	X	201.77850	307.04659	355.40073	17.50442	0.2100795	0.17898134	3.1183933	21	1 22.2	20.8
285031 2011 EO_{14}	16.2	X	307.20687	127.90044	15.59667	1.06319	0.1401751	0.17211682	3.2007654	21	—	—
285032 2011 EX_{26}	16.0	X	288.99484	308.34441	23.33067	3.75250	0.0964671	0.21340702	2.7733004	21	5 20.4	19.7
285033 2011 ED_{40}	16.1	X	336.73539	142.94052	35.28688	5.32698	0.0856625	0.18632898	3.0358649	21	1 15.9	20.3
285034 2011 EJ_{42}	17.2	X	189.67558	178.73939	73.96378	2.67368	0.1636793	0.25775815	2.4452754	21	—	—
285035 2011 EC_{44}	15.8	X	30.37760	189.44076	320.68618	8.91618	0.0394880	0.18947717	3.0021435	21	2 23.7	19.9
285036 2011 EJ_{51}	17.6	X	244.64286	132.40091	94.51449	3.21751	0.1824198	0.26617788	2.3934338	21	—	—
285037 2011 ES_{51}	18.3	X	55.86781	79.56250	50.34459	2.08410	0.1486322	0.29322428	2.2438962	21	2 22.4	20.0
285038 2011 EU_{54}	16.2	X	343.71316	299.90561	213.35053	4.73952	0.1805705	0.18329607	3.0692619	21	—	—
285039 2011 EY_{54}	16.1	X	307.01422	76.63472	155.92738	7.56244	0.1656111	0.18667207	3.0321440	21	1 30.9	20.4
285040 2011 EO_{77}	16.3	X	322.26558	101.10641	126.12425	2.90173	0.0487091	0.19439754	2.9512695	21	3 1.3	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285041 2011 FC_5	15.2	X	177.92084	184.94150	112.83401	8.61753	0.1116313	0.17079013	3.2173196	21	—	—
285042 2011 FZ_5	16.4	X	340.06679	63.79558	130.30424	2.99929	0.0889078	0.19178805	2.9779794	21	2 6.5	20.1
285043 2011 FJ_{10}	17.6	X	317.27489	315.50410	180.51196	2.44666	0.0991689	0.26678739	2.3897870	21	—	—
285044 2011 FT_{10}	17.0	X	168.80997	22.37619	170.17648	9.83815	0.1390297	0.23893761	2.5720518	21	10 18.5	21.1
285045 2011 FW_{97}	16.7	X	55.16887	31.45846	310.36987	1.95589	0.1309265	0.24748744	2.5124684	21	12 26.5	20.1
285046 2011 FZ_{132}	16.7	X	306.89284	340.64454	174.96740	0.93540	0.1231715	0.17436501	3.1731930	21	—	—
285047 2011 FG_{147}	15.9	X	37.26457	314.47743	258.32811	15.46598	0.2011498	0.20980928	2.8049142	21	6 11.5	18.7
285048 2011 FJ_{154}	16.1	X	325.76058	161.02550	175.88788	14.66454	0.1201477	0.22297586	2.6933791	21	7 18.8	19.5
285049 2011 GM_{32}	18.0	X	284.61295	123.83893	141.23726	2.97177	0.1840403	0.27873755	2.3209853	21	1 29.5	21.3
285050 2011 GU_{32}	17.7	X	258.91711	113.04120	152.80703	1.79362	0.1436432	0.27210862	2.3585288	21	1 9.6	21.2
285051 2011 GD_{43}	16.8	X	186.00980	32.02479	122.13332	3.61982	0.1167957	0.23654500	2.5893666	21	9 17.1	20.7
285052 2011 GX_{85}	16.0	X	322.80441	201.33824	129.11751	7.34536	0.1148378	0.21274307	2.7790675	21	7 6.8	19.2
285053 2011 HN_8	15.7	X	229.25089	265.79856	81.46949	15.40538	0.0950128	0.19326681	2.9627695	21	4 11.4	20.5
285054 2011 HK_{18}	16.1	X	204.49508	64.10382	21.39652	25.91874	0.1599249	0.22039293	2.7143819	21	7 9.3	21.0
285055 2011 HT_{18}	16.0	X	125.45070	61.07445	136.15304	9.55177	0.0266756	0.21949252	2.7218002	21	9 1.0	19.8
285056 2011 HG_{25}	17.5	X	224.55268	100.17590	139.83249	2.33137	0.1513013	0.25816774	2.4426884	21	—	—
285057 2011 HW_{25}	16.6	X	95.93310	105.84449	147.81493	8.26909	0.0849848	0.22625246	2.6673121	21	10 16.9	20.5
285058 2011 HK_{30}	15.7	X	225.89325	215.60573	215.91742	32.51785	0.0997116	0.21616556	2.7496561	21	7 5.8	20.5
285059 2011 HV_{60}	15.6	X	313.25850	148.99762	122.89636	11.24410	0.0232763	0.18961852	3.0006514	21	4 23.3	19.9
285060 2011 HT_{91}	16.3	X	270.79207	330.81132	48.13623	7.05669	0.0522299	0.21464052	2.7626651	21	7 6.7	20.1
285061 2011 HZ_{100}	16.9	X	137.95131	51.76250	220.64601	7.90248	0.1396084	0.23981826	2.5657513	21	12 23.3	21.0
285062 2011 JK_{29}	16.9	X	317.86876	42.93641	172.86423	6.32337	0.0782019	0.27335086	2.3513779	21	1 18.1	19.8
285063 2011 KV	16.1	X	15.62809	80.61828	108.03762	6.20975	0.1075310	0.18806012	3.0172056	21	3 28.3	19.8
285064 2011 KG_3	16.2	X	359.99128	208.29839	107.03128	5.75429	0.0645367	0.21250556	2.7811379	21	8 21.0	19.6
285065 2011 KM_{11}	17.6	X	339.20637	39.13334	212.84015	2.54577	0.1801277	0.28792589	2.2713405	21	3 23.2	19.8
285066 2011 KO_{11}	17.1	X	223.28420	154.19342	133.49429	3.13939	0.1934754	0.26461195	2.4028671	21	1 4.8	21.1
285067 2011 KS_{20}	16.0	X	219.10962	294.39566	82.33331	5.15350	0.0632566	0.19347034	2.9606913	21	5 2.1	20.4
285068 2011 KA_{23}	16.6	X	333.15927	123.12233	176.87613	1.90154	0.0413892	0.20241627	2.8728025	21	6 18.7	20.3
285069 2011 KB_{23}	17.3	X	152.53524	47.87489	213.14086	5.62262	0.1284266	0.23992945	2.5649585	21	12 23.4	21.3
285070 2011 KO_{24}	16.8	X	341.19270	189.86020	151.64908	4.50735	0.1073162	0.21469051	2.7622362	21	8 24.9	19.7
285071 2011 KK_{25}	15.7	X	82.39211	69.87803	78.52310	14.55553	0.0684529	0.19453060	2.9499236	21	5 11.4	19.8
285072 2011 KQ_{25}	16.3	X	315.90134	94.75740	163.10683	1.59328	0.0502765	0.18690271	3.0296490	21	3 31.9	20.4
285073 2011 KH_{28}	17.7	X	18.66065	276.63025	356.52564	5.76827	0.1796908	0.30353542	2.1927871	21	8 8.7	19.1
285074 2011 KO_{28}	16.2	X	50.91163	197.91069	77.19044	4.34055	0.1459420	0.21429864	2.7656026	21	9 25.1	19.7
285075 2011 KF_{33}	17.4	X	140.45774	38.99717	69.64244	3.51339	0.0316757	0.29531999	2.2332679	21	5 19.4	19.9
285076 2011 KG_{33}	15.0	X	321.67875	339.20426	229.08636	15.06339	0.0412928	0.17436817	3.1731546	21	2 3.4	19.8
285077 2227 T–2	17.1	X	191.92352	18.85473	337.98269	2.56234	0.2510507	0.25816950	2.4426773	21	3 5.2	21.4
285078 2459 T–3	17.4	X	139.55284	51.12866	340.36349	2.26546	0.1815991	0.25712985	2.4492571	21	2 24.8	21.0
285079 1981 EQ_{36}	16.0	X	235.90313	267.32820	293.02813	8.00802	0.1298228	0.21289141	2.7777764	21	12 31.7	20.0
285080 1981 EB_{47}	16.8	X	193.32099	181.78066	352.77146	11.56020	0.1820961	0.25808520	2.4432092	21	10 13.2	20.7
285081 1991 FD_1	17.6	X	153.76271	305.38545	339.81619	4.17267	0.1904016	0.31474380	2.1404147	21	—	—
285082 1991 TJ_{15}	16.1	X	330.44819	61.62371	36.44493	30.38536	0.3054076	0.23278115	2.6172036	21	—	—
285083 1992 DS_8	16.5	X	31.48200	301.15834	248.21143	2.49357	0.1697237	0.24035132	2.5619562	21	4 16.4	18.6
285084 1992 SY_{10}	16.1	X	13.26965	168.05590	184.53492	13.15616	0.1017983	0.20602775	2.8391319	21	11 3.0	19.7
285085 1992 UM_7	17.7	X	46.15368	121.94752	202.63120	5.61804	0.2356724	0.30967110	2.1637260	21	12 19.5	20.6
285086 1993 FA_{38}	16.0	X	203.08064	190.44581	17.54701	12.20451	0.1279283	0.23007313	2.6377003	21	12 5.2	20.1
285087 1993 HN_4	16.9	X	69.13567	264.45672	54.16310	8.21630	0.0304821	0.26247496	2.4158917	21	12 2.2	19.9
285088 1993 TQ_7	16.5	X	135.33704	331.83379	352.17248	4.72259	0.1141495	0.22054217	2.7131572	21	—	—
285089 1993 TT_{23}	16.8	X	242.44631	339.50203	38.03745	5.81970	0.1873359	0.27274606	2.3548526	21	5 12.0	20.4
285090 1993 TV_{24}	17.7	X	44.88605	194.61304	156.77278	2.40868	0.2357241	0.28709993	2.2756947	21	—	—
285091 1994 AL_7	18.0	X	200.39138	122.11964	293.86487	1.99229	0.1367000	0.30246627	2.1979514	21	5 22.4	21.2
285092 1994 AP_{14}	16.8	X	229.16615	101.32041	291.61343	5.62777	0.1749116	0.23189042	2.6239014	21	5 21.4	21.0
285093 1994 HC	17.8	X	205.08228	270.43309	31.44366	5.91008	0.3363435	0.31603687	2.1345724	21	1 5.8	21.7
285094 1994 PR_7	16.4	X	166.95644	28.92431	333.72179	4.33797	0.2327502	0.23888299	2.5724438	21	2 21.9	20.7
285095 1994 RC_3	17.5	X	88.02644	354.19751	329.69063	4.68436	0.1532851	0.30197512	2.2003340	21	—	—
285096 1994 TZ_{10}	17.3	X	127.88886	95.00353	261.67165	1.73033	0.0614210	0.23288787	2.6164040	21	—	—
285097 1994 UM_8	16.0	X	0.60761	324.52468	21.42441	8.88874	0.1193766	0.18053185	3.1005126	21	10 1.4	19.7
285098 1994 UZ_8	16.5	X	50.81175	266.05236	10.74980	9.18530	0.1316839	0.21624410	2.7489903	21	9 23.9	19.9
285099 1994 VT_3	16.0	X	303.48310	229.44415	235.09586	6.90151	0.0740271	0.18567407	3.0429994	21	12 4.3	19.8
285100 1994 WX_7	17.4	X	97.86459	280.72007	155.32518	4.79255	0.2086437	0.27062484	2.3671418	21	3 5.7	20.0
285101 1994 WD_{13}	15.5	X	347.80590	216.21938	97.19303	10.57448	0.0815490	0.17422729	3.1748650	21	7 27.5	19.5
285102 1995 BZ_5	17.6	X	177.03921	199.38701	346.59101	2.91100	0.0976231	0.28358148	2.2944793	21	10 21.9	20.9
285103 1995 BW_7	18.2	X	347.09247	330.03888	104.50841	2.69623	0.1310995	0.29238932	2.2481660	21	—	—
285104 1995 CR_3	18.0	X	2.88276	17.37515	177.83988	2.17596	0.1623657	0.26595194	2.3947891	21	2 17.7	20.1
285105 1995 CS_4	16.1	X	197.35767	166.12763	144.69741	9.76444	0.0859108	0.18724072	3.0260018	21	1 18.6	20.7
285106 1995 FL_7	16.2	X	43.06965	139.13177	100.22085	4.11583	0.2157426	0.19513974	2.9437815	21	8 2.9	19.7
285107 1995 HQ_2	17.0	X	307.07591	222.13536	61.26125	7.07905	0.1216824	0.26379713	2.4078126	21	4 4.8	20.0
285108 1995 HB_3	17.4	X	281.76390	151.82258	149.65170	2.86355	0.1754710	0.26230246	2.4169508	21	3 18.1	20.6
285109 1995 JS	15.1	X	104.93431	290.18772	64.19474	10.32685	0.0771195	0.17470249	3.1691052	21	—	—
285110 1995 MA_1	17.1	X	26.56946	265.79196	87.65812	25.83946	0.5876088	0.23375580	2.6099235	21	—	—
285111 1995 MX_3	16.0	X	29.90949	201.56420	106.57748	12.45581	0.1469099	0.19784561	2.9168792	21	10 10.1	19.8
285112 1995 MU_6	17.1	X	294.90922	139.35463	164.84710	7.30861	0.2643083	0.22377246	2.6869832	21	3 29.7	20.9
285113 1995 OE_{13}	16.4	X	126.70572	145.90775	329.36409	12.00199	0.0218690	0.21898924	2.7259687	21	5 8.7	20.4
285114 1995 OY_{16}	15.9	X	228.62350	141.37487	280.86034	9.92289	0.1216330	0.18602243	3.0391993	21	7 3.1	20.6
285115 1995 QB_4	16.2	X	358.49150	256.89279	347.78729	12.82038	0.0423811	0.21683146	2.7440236	21	5 5.1	20.0
285116 1995 SN_1	17.9	X	325.97859	113.31156	209.79195	6.89161	0.2181902	0.30038947	2.2080704	21	6 14.1	19.7
285117 1995 ST_8	17.2	X	70.35837	268.57015	355.27644	6.06724	0.0878744	0.26645106	2.3917975	21	9 29.9	20.2
285118 1995 SE_{14}	17.0	X	88.75963	32.63115	10.36478	1.77306	0.0675768	0.20493502	2.8492153	21	—	—
285119 1995 ST_{14}	16.6	X	249.03791	206.39353	182.80526	4.84227	0.1491381	0.18259913	3.0770667	21	6 10.9	21.3
285120 1995 SN_{21}	16.0	X	22.57243	256.97273	346.79458	10.61678	0.1763832	0.18486829	3.0518353	21	6 25.9	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285121 1995 SO_{25}	16.9	X	351.57029	263.60333	350.14588	2.87312	0.1470792	0.21739593	2.7392717	21	5 4.1	19.9
285122 1995 SD_{36}	17.6	X	287.51306	357.42412	10.45550	1.32210	0.1945595	0.26078715	2.4263042	21	6 20.7	20.6
285123 1995 SG_{42}	17.2	X	186.58664	351.25360	129.14315	2.08701	0.1378782	0.25930535	2.4355388	21	8 3.8	21.0
285124 1995 SK_{44}	16.1	X	51.25573	120.42142	198.51850	9.83113	0.1055158	0.19188073	2.9770204	21	11 10.3	20.2
285125 1995 SQ_{45}	17.3	X	123.40713	210.40343	172.21879	2.93570	0.1657371	0.24517438	2.5282460	21	1 25.1	20.7
285126 1995 SZ_{48}	17.1	X	66.61226	229.97974	168.92460	6.01216	0.0759075	0.20325268	2.8649158	21	—	—
285127 1995 SR_{50}	15.7	X	298.54022	60.81563	9.39968	10.43179	0.1068063	0.18920875	3.0049822	21	10 10.6	19.6
285128 1995 SP_{51}	17.3	X	63.57750	0.42005	8.89813	3.11025	0.0462873	0.23557741	2.5964520	21	—	—
285129 1995 SD_{62}	17.7	X	359.21929	204.19225	166.50721	5.99488	0.1278493	0.26790516	2.3831351	21	11 20.6	20.2
285130 1995 SZ_{62}	17.4	X	60.55014	184.89189	57.68937	3.14730	0.1706101	0.26252158	2.4156057	21	9 2.1	20.3
285131 1995 SA_{63}	16.9	X	42.20561	98.11742	165.28398	6.44832	0.0931083	0.26202231	2.4186733	21	8 19.1	19.6
285132 1995 SY_{63}	18.3	X	185.46956	134.03057	26.65377	4.45070	0.0301986	0.30347483	2.1930790	21	10 6.5	20.8
285133 1995 SJ_{64}	16.6	X	66.55223	301.92347	191.56495	4.00807	0.0187742	0.21311391	2.7758427	21	3 18.8	20.2
285134 1995 SA_{72}	17.0	X	240.01069	227.66315	165.96128	6.20005	0.1896420	0.25710181	2.4494352	21	6 1.9	20.9
285135 1995 SB_{72}	15.8	X	177.20011	219.79639	196.45431	9.00084	0.0871361	0.17569230	3.1571912	21	5 6.7	20.6
285136 1995 SR_{76}	15.8	X	53.08682	37.54444	180.39689	18.43197	0.0603912	0.18097825	3.0954120	21	6 26.4	20.3
285137 1995 SN_{80}	17.0	X	261.42958	68.03117	328.36202	0.48984	0.1981000	0.18218490	3.0817292	21	6 27.2	21.5
285138 1995 SZ_{81}	17.1	X	30.97200	65.32388	124.84119	0.73765	0.0134756	0.21299506	2.7768752	21	4 14.4	20.8
285139 1995 SO_{87}	15.7	X	310.30875	253.51801	342.15938	8.87195	0.1933955	0.17632773	3.1496017	21	2 8.1	20.0
285140 1995 TM_{9}	17.3	X	156.18647	169.32566	334.69000	1.97435	0.1259804	0.25820426	2.4424580	21	8 4.1	20.8
285141 1995 TG_{12}	15.4	X	300.15608	72.89390	225.69186	9.08452	0.0925226	0.17642621	3.1484296	21	4 25.8	19.8
285142 1995 UG_{1}	16.4	X	45.86009	352.79635	5.94431	10.60870	0.1229692	0.23263974	2.6182641	21	—	—
285143 1995 UZ_{4}	17.3	X	104.95155	180.64645	26.10715	24.82878	0.0249135	0.37644879	1.8996144	21	9 13.9	19.7
285144 1995 UX_{12}	17.3	X	324.59749	28.16574	20.15906	6.70791	0.1272259	0.30488876	2.1862934	21	11 17.2	19.0
285145 1995 UU_{15}	16.3	X	255.29319	354.17899	62.77642	11.52283	0.0968253	0.18105846	3.0944977	21	8 1.2	20.9
285146 1995 UL_{17}	17.7	X	309.57847	235.54751	134.02232	2.91197	0.2300014	0.26092653	2.4254401	21	7 24.2	20.1
285147 1995 UA_{18}	17.4	X	105.61515	186.66872	221.06946	3.28455	0.1422250	0.24399779	2.5363672	21	1 30.4	20.5
285148 1995 UL_{20}	16.7	X	196.97762	62.19316	206.62472	14.91262	0.2345335	0.24151687	2.5537070	21	—	—
285149 1995 UN_{50}	15.8	X	312.00691	268.64854	63.32878	9.61771	0.1720342	0.18140164	3.0905937	21	6 13.0	19.7
285150 1995 UD_{62}	16.6	X	174.88744	6.42515	48.60103	4.25707	0.1548530	0.17544377	3.1601722	21	5 3.8	21.8
285151 1995 UB_{63}	18.2	X	112.44271	200.30674	134.08061	1.71657	0.1815875	0.31361060	2.1455677	21	—	—
285152 1995 UR_{65}	16.2	X	254.12786	304.83302	54.09418	9.93676	0.1973330	0.21673863	2.7448071	21	5 3.6	20.5
285153 1995 UA_{70}	15.7	X	356.79248	151.36909	225.48344	10.77721	0.1235985	0.18959470	3.0009027	21	11 5.0	19.1
285154 1995 UM_{77}	16.1	X	87.35853	242.94113	204.41188	11.14287	0.2098608	0.20554985	2.8435308	21	3 13.9	19.9
285155 1995 VF_{4}	17.0	X	101.31964	192.13775	75.03513	7.61144	0.0993293	0.26678222	2.3898178	21	11 14.5	20.3
285156 1995 VR_{8}	17.2	X	112.90072	324.80042	230.48858	5.86993	0.1157208	0.25657776	2.4527693	21	8 21.4	20.8
285157 1995 VY_{12}	16.2	X	278.31072	247.09838	210.25387	17.59944	0.1214144	0.22688401	2.6623601	21	10 20.8	19.5
285158 1995 VA_{13}	16.1	X	251.83188	220.03786	164.42098	4.07743	0.1820920	0.17993604	3.1073531	21	6 4.8	21.0
285159 1995 VK_{18}	16.2	X	9.63166	124.08526	237.88012	7.95894	0.1440255	0.18868225	3.0105697	21	11 8.1	19.8
285160 1995 WP_{6}	18.1	X	176.90564	160.24309	141.78490	4.12694	0.2574783	0.31711104	2.1297492	21	—	—
285161 1995 WA_{10}	16.0	X	172.47605	290.53665	41.30201	15.58575	0.1617650	0.20463376	2.8520110	21	1 25.5	20.8
285162 1995 WB_{14}	17.0	X	107.14779	281.02375	96.33224	6.20987	0.2091096	0.23927583	2.5696275	21	1 5.4	20.1
285163 1995 WK_{16}	15.8	X	348.16285	124.38873	32.94008	12.87774	0.1106736	0.20217369	2.8751001	21	—	—
285164 1995 WS_{36}	18.4	X	349.00511	175.15031	177.91640	3.79075	0.2044352	0.30173547	2.2014989	21	10 19.1	19.5
285165 1995 XC_{3}	17.3	X	275.54954	326.25204	135.96070	4.12809	0.1391769	0.22530977	2.6747469	21	10 22.4	20.7
285166 1995 YE_{11}	17.3	X	17.44509	290.56996	230.90623	2.89531	0.1411982	0.23762304	2.5815291	21	2 5.3	19.8
285167 1995 YJ_{11}	16.6	X	23.22214	2.81925	202.62378	2.55055	0.1670818	0.24234877	2.5478596	21	4 24.1	18.9
285168 1995 YK_{14}	16.7	X	12.74110	258.98176	144.75855	3.82400	0.1088797	0.23066052	2.6332203	21	—	—
285169 1996 AN_{7}	17.8	X	17.57218	116.64283	75.67717	3.02915	0.1064719	0.27924262	2.3181858	21	3 18.5	19.9
285170 1996 BZ_{6}	18.0	X	326.74706	86.82074	44.77658	1.91505	0.1277639	0.26839546	2.3802319	21	—	—
285171 1996 ET_{5}	15.9	X	105.90064	254.05800	355.50037	10.71162	0.1947618	0.21231214	2.7828267	21	10 24.4	20.4
285172 1996 ER_{6}	16.2	X	292.83340	287.39218	172.73084	4.21604	0.0893964	0.18127016	3.0920879	21	11 12.3	20.2
285173 1996 ES_{8}	16.5	X	294.61953	162.61446	357.09565	6.80073	0.1756339	0.22632671	2.6667287	21	—	—
285174 1996 FY_{5}	16.1	X	119.14388	116.02608	156.70960	14.75098	0.1100331	0.21832940	2.7314582	21	12 4.7	20.6
285175 1996 GJ_{3}	16.8	X	335.93484	65.87904	102.48813	3.72361	0.1068270	0.19052519	2.9911242	21	—	—
285176 1996 GQ_{6}	16.5	X	154.44771	339.97065	180.19770	10.46987	0.1357528	0.20863762	2.8154056	21	8 19.2	21.1
285177 1996 GU_{10}	16.2	X	265.33675	213.87602	29.29242	10.27886	0.0780323	0.22774875	2.6556166	21	1 1.9	20.2
285178 1996 OZ	15.9	X	303.93916	58.69818	299.23557	27.08099	0.2537552	0.23153618	2.6265770	21	6 26.2	19.2
285179 1996 TY_{11}	19.2	X	296.57935	158.71996	30.63091	13.93080	0.5354502	0.72417967	1.2281135	21	—	—
285180 1996 TH_{16}	13.3	X	49.08842	352.54008	343.38203	21.73537	0.0325703	0.08232860	5.2332190	21	10 21.8	20.4
285181 1996 TA_{17}	16.1	X	276.22222	170.14173	225.72219	6.99543	0.1012171	0.19290999	2.9664218	21	7 25.9	20.2
285182 1996 TU_{18}	16.1	X	237.60724	296.56227	32.90767	7.65039	0.0409107	0.21861687	2.7290632	21	3 24.8	20.0
285183 1996 TA_{29}	16.3	X	189.48197	182.01762	135.77474	6.22654	0.0591892	0.21353073	2.7722291	21	1 13.3	20.4
285184 1996 TD_{36}	17.8	X	310.05683	235.43546	216.37847	5.16412	0.1936584	0.27793761	2.3254366	21	12 18.2	19.4
285185 1996 TL_{37}	16.6	X	202.90790	78.53327	39.22977	9.41429	0.1493308	0.18778738	3.0201264	21	8 17.7	21.6
285186 1996 TK_{39}	15.7	X	225.51397	356.91973	16.57074	14.90818	0.1894546	0.22510747	2.6763492	21	4 21.7	20.2
285187 1996 TS_{46}	17.5	X	277.75962	38.82456	16.74263	3.18209	0.1550540	0.27159430	2.3615054	21	8 23.3	20.3
285188 1996 VC_{10}	15.8	X	172.40013	67.53018	88.09473	12.87458	0.0049086	0.18992880	2.9973825	21	9 7.8	20.2
285189 1996 VU_{10}	15.8	X	351.98930	307.10486	351.42498	10.97655	0.1384174	0.19070078	2.9892878	21	7 14.9	19.4
285190 1996 VV_{10}	17.1	X	173.50991	288.06561	293.81213	6.01253	0.0683740	0.28051075	2.3111939	21	12 6.2	20.2
285191 1996 VK_{13}	15.5	X	146.43309	252.19586	226.05345	17.06346	0.1806589	0.18175528	3.0865835	21	6 22.7	20.8
285192 1996 VO_{13}	17.8	X	101.82722	81.36272	216.66328	1.61329	0.1337234	0.28069149	2.3102016	21	12 27.3	21.2
285193 1996 VW_{16}	16.8	X	41.85372	30.93784	39.41437	2.40516	0.0551844	0.20827782	2.8186471	21	—	—
285194 1996 VG_{18}	16.1	X	182.73568	239.27903	164.05791	8.24255	0.0676492	0.17966558	3.1104708	21	4 27.2	20.8
285195 1996 VB_{23}	15.8	X	203.70545	214.29897	195.37043	11.52115	0.0063595	0.18190896	3.0848448	21	5 28.7	20.3
285196 1996 VS_{28}	16.1	X	130.03693	100.28808	53.20765	11.09055	0.1570759	0.18346864	3.0673370	21	7 22.9	21.1
285197 1996 VU_{34}	16.8	X	216.99134	99.73197	227.83288	2.43468	0.1964478	0.21694660	2.7430527	21	2 20.8	21.5
285198 1996 VA_{42}	17.2	X	188.46470	26.37915	122.72805	7.20941	0.0764749	0.27053849	2.3676455	21	9 19.6	20.5
285199 1996 XP_{4}	17.0	X	166.48000	103.44096	273.44468	9.58964	0.0361282	0.25493447	2.4632983	21	2 16.5	20.4
285200 1996 XE_{7}	15.8	X	228.65914	134.99023	223.20317	10.61857	0.0186189	0.17892457	3.1190528	21	4 22.1	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285201 1996 XM_7	16.4	X	189.67984	160.25520	198.93716	4.76894	0.0478469	0.21490982	2.7603567	21	3 3.4	20.4
285202 1996 XY_9	17.3	X	201.15475	91.13583	324.45213	4.47361	0.0975431	0.26273910	2.4142723	21	5 24.5	20.9
285203 1996 XD_{16}	18.4	X	324.15016	25.38972	52.67776	2.12652	0.1516840	0.27783917	2.3259858	21	12 27.7	20.2
285204 1996 XF_{16}	16.5	X	13.53396	209.85847	57.46035	6.96921	0.1527557	0.26592453	2.3949536	21	7 10.9	18.6
285205 1996 XD_{18}	16.8	X	238.24367	154.55212	261.97801	2.82144	0.1184020	0.22642461	2.6659600	21	7 6.4	20.5
285206 1996 XY_{20}	16.7	X	289.72013	56.10553	66.02818	7.39724	0.1530895	0.23804602	2.5784701	21	12 10.3	19.5
285207 1996 XT_{23}	17.0	X	12.62473	324.27399	13.74319	6.50135	0.1325925	0.27461531	2.3441544	21	10 26.1	19.3
285208 1996 XB_{24}	16.8	X	328.59446	12.01159	62.63312	4.06898	0.2687286	0.23786626	2.5797690	21	12 23.2	18.3
285209 1996 XP_{34}	15.6	X	241.10403	313.52049	35.66313	16.63326	0.0898614	0.18122401	3.0926129	21	4 20.7	20.2
285210 1997 BK_6	18.0	X	113.73134	91.57360	158.47832	2.84416	0.1495035	0.30622720	2.1799182	21	11 13.7	21.1
285211 1997 BS_8	15.7	X	191.19688	255.55856	301.47119	8.06904	0.0124389	0.18995113	2.9971475	21	11 12.8	20.0
285212 1997 CU_{12}	17.5	X	164.87753	63.96511	357.75318	6.39615	0.1478649	0.29397428	2.2400781	21	4 22.4	20.8
285213 1997 EM_3	17.3	X	309.85309	79.72554	1.79753	7.24536	0.1185264	0.26876546	2.3780469	21	11 28.9	19.7
285214 1997 EV_3	15.8	X	188.40248	276.62937	355.78508	12.00662	0.2558635	0.23149486	2.6268895	21	—	—
285215 1997 EG_6	15.8	X	207.15763	211.68599	333.34651	17.14588	0.1087789	0.22891092	2.6466207	21	11 8.3	20.1
285216 1997 EF_9	15.9	X	117.31013	332.35373	357.40352	10.13260	0.0546603	0.19199063	2.9758842	21	—	—
285217 1997 EK_{28}	16.9	X	10.66470	296.85406	0.50598	4.59107	0.1973853	0.25514019	2.4619740	21	8 28.0	18.8
285218 1997 GE_3	16.5	X	91.34035	138.09414	118.45768	0.22373	0.1498677	0.18014615	3.1049365	21	10 14.8	21.0
285219 1997 GK_{27}	16.4	X	96.63121	194.89537	68.98815	1.47059	0.1876033	0.18091675	3.0961134	21	11 1.7	21.3
285220 1997 JQ_3	16.0	X	237.11344	309.43504	200.10271	11.45839	0.1100072	0.18686376	3.0300700	21	10 31.1	20.4
285221 1997 KA_2	16.3	X	227.44880	31.45375	115.78316	16.78619	0.2830935	0.18258375	3.0772396	21	10 6.6	21.7
285222 1997 KD_2	16.0	X	91.36980	152.25189	189.21029	16.10828	0.2446744	0.18091694	3.0961113	21	—	—
285223 1997 MV_7	13.3	X	349.26756	91.84529	173.05210	12.19435	0.1160522	0.08261322	5.2211922	21	5 30.6	19.8
285224 1997 NC_2	15.8	X	41.94813	192.24194	216.59852	10.16646	0.0548637	0.17994992	3.1071933	21	—	—
285225 1997 NG_4	15.4	X	301.41126	135.71801	309.12125	11.69685	0.0517955	0.17239866	3.1972759	21	11 1.6	20.0
285226 1997 QU_2	16.2	X	70.14012	358.70839	343.83869	8.91458	0.1824814	0.21478567	2.7614203	21	—	—
285227 1997 SR_4	16.2	X	185.69943	11.59750	334.99796	12.61455	0.2965646	0.22925297	2.6439875	21	2 21.3	21.0
285228 1997 SC_{12}	14.0	X	58.82284	97.00167	232.84000	6.92558	0.0644854	0.08436792	5.1485447	21	11 8.8	20.8
285229 1997 SP_{12}	17.1	X	252.27422	209.82483	183.03124	4.64477	0.1512726	0.28135202	2.3065844	21	6 16.6	20.2
285230 1997 ST_{14}	16.6	X	323.67950	305.80516	249.21738	4.31448	0.0944645	0.22329214	2.6908352	21	1 8.2	20.1
285231 1997 SJ_{19}	17.8	X	79.79117	193.31098	234.18195	1.51063	0.1791738	0.26368799	2.4084769	21	1 16.9	19.8
285232 1997 SS_{21}	13.8	X	344.01106	185.96810	217.57018	2.24285	0.0581677	0.08207405	5.2440336	21	10 29.8	20.5
285233 1997 SN_{22}	14.8	X	254.84929	156.49613	349.35776	8.55739	0.1630376	0.12567516	3.9473268	21	10 27.7	20.6
285234 1997 SA_{27}	16.0	X	324.44865	250.54350	168.65040	8.12012	0.0586807	0.16897912	3.2402661	21	11 7.3	20.3
285235 1997 TB_7	16.1	X	73.64129	330.65745	55.24424	6.70538	0.0821353	0.21687185	2.7436829	21	—	—
285236 1997 TF_{12}	13.6	X	350.12241	22.01286	17.97767	8.93155	0.0264786	0.08250787	5.2256359	21	11 1.1	20.5
285237 1997 TT_{19}	16.4	X	144.66022	74.66149	9.19319	4.93584	0.0713324	0.18878256	3.0095031	21	5 1.5	20.9
285238 1997 WX_{10}	17.1	X	19.96183	257.99689	41.66937	13.91331	0.1811793	0.24283968	2.5444248	21	9 23.3	19.9
285239 1997 WC_{14}	16.8	X	341.35412	18.80630	272.71024	3.99898	0.2238419	0.28067098	2.3103142	21	5 26.2	18.2
285240 1997 WW_{15}	18.2	X	198.57599	273.65263	140.10019	1.75495	0.1820627	0.27334222	2.3514274	21	5 19.3	21.9
285241 1997 WV_{24}	17.3	X	346.08599	310.52681	58.31522	3.97361	0.2278496	0.28751114	2.2735243	21	11 6.7	18.5
285242 1997 WU_{26}	16.1	X	297.90807	298.96284	66.81964	17.32237	0.0405449	0.19586502	2.9365098	21	7 30.7	20.3
285243 1997 YS_{15}	17.5	X	78.53135	110.79426	299.39717	3.42148	0.0892358	0.29683847	2.2256452	21	—	—
285244 1998 BO_3	17.8	X	261.13910	296.35274	127.53734	4.52379	0.1781154	0.27703579	2.3304804	21	8 6.8	20.6
285245 1998 BH_{21}	17.5	X	7.99502	106.86802	300.79270	8.60902	0.1606635	0.24678334	2.5172451	21	—	—
285246 1998 BM_{24}	16.3	X	62.37550	299.97811	119.95238	2.26321	0.1586102	0.16926204	3.2366544	21	1 3.1	20.2
285247 1998 BG_{46}	15.7	X	287.90258	110.81945	254.93001	6.99861	0.1066218	0.18883503	3.0089456	21	7 2.7	19.8
285248 1998 DZ_6	17.2	X	227.08732	27.03459	175.20869	7.55391	0.0821359	0.28603460	2.2813417	21	—	—
285249 1998 DP_7	16.9	X	22.75388	0.50926	135.44313	5.20719	0.1408267	0.21192076	2.7862519	21	1 18.9	19.8
285250 1998 DH_8	17.5	X	40.17099	255.62090	319.30959	4.32934	0.1762393	0.26286285	2.4135145	21	6 14.7	19.8
285251 1998 DD_{27}	17.0	X	241.50288	155.27064	350.71922	8.77697	0.1023923	0.23849543	2.5752299	21	11 5.1	20.6
285252 1998 FK_{14}	16.7	X	129.49694	319.42664	183.26866	22.30098	0.2000739	0.26531090	2.3986451	21	7 8.6	21.0
285253 1998 HF	17.4	X	136.31337	28.88859	84.03935	2.48263	0.1484902	0.26300928	2.4126186	21	6 3.7	21.0
285254 1998 HK_2	18.4	X	333.07147	104.85770	139.73095	3.63441	0.1309707	0.29754913	2.2221000	21	3 10.0	20.5
285255 1998 HQ_2	15.5	X	343.80345	269.01360	39.79264	10.43059	0.0398012	0.18085390	3.0968307	21	7 18.2	19.8
285256 1998 HY_9	16.6	X	199.09566	267.35766	45.52218	14.67579	0.1574738	0.24619174	2.5212760	21	1 19.1	20.9
285257 1998 HD_{15}	17.6	X	202.11586	170.85358	55.36034	4.64488	0.1842724	0.28093836	2.3088481	21	—	—
285258 1998 HZ_{97}	16.2	X	355.10393	200.35811	19.92909	8.27739	0.2015034	0.25465240	2.4651170	21	3 13.0	18.4
285259 1998 HL_{110}	15.2	X	26.75580	30.22787	190.88814	17.94584	0.1854190	0.17341966	3.1847144	21	6 3.7	19.1
285260 1998 KY_{42}	14.8	X	37.42206	126.52524	74.32945	28.00542	0.1730265	0.17194130	3.2029432	21	5 27.4	18.5
285261 1998 MR_4	15.5	X	345.75022	59.41234	298.98441	15.99836	0.1773396	0.17399032	3.1777471	21	9 10.9	19.4
285262 1998 MQ_{36}	16.7	X	156.97437	132.15999	177.03610	13.32421	0.1723997	0.23689855	2.5867896	21	—	—
285263 1998 QE_2	17.2	X	55.29818	345.71370	250.11090	12.85820	0.5716436	0.26124655	2.4234590	21	10 5.3	21.4
285264 1998 QF_5	17.4	X	7.06077	87.91382	237.80401	5.16496	0.1568228	0.25867426	2.4394986	21	9 26.0	19.7
285265 1998 QS_{15}	17.7	X	316.11679	111.34457	164.92944	27.97555	0.2704499	0.37932651	1.8899947	21	2 20.5	20.1
285266 1998 QA_{16}	17.0	X	353.64658	316.18646	331.70288	19.70477	0.0594237	0.38276316	1.8786648	21	7 7.4	18.8
285267 1998 QD_{27}	15.0	X	339.41151	2.22896	303.93600	21.53524	0.2177371	0.21073426	2.7967004	21	6 24.2	18.0
285268 1998 QY_{57}	15.9	X	278.71859	115.74964	350.43672	17.43069	0.2370120	0.17411128	3.1762751	21	10 2.9	20.4
285269 1998 QK_{84}	15.5	X	113.46420	54.28496	256.65284	5.78974	0.2639712	0.18381097	3.0635273	21	—	—
285270 1998 QO_{97}	16.7	X	73.83865	124.20106	256.74275	9.51748	0.3287647	0.22674229	2.6634693	21	—	—
285271 1998 RW_6	16.2	X	319.89165	102.62062	345.50936	11.44147	0.1513022	0.22211744	2.7003140	21	12 14.0	19.2
285272 1998 RM_{11}	15.8	X	111.61487	356.82832	9.61774	11.24828	0.0597059	0.18609409	3.0384190	21	—	—
285273 1998 RE_{13}	15.5	X	83.30689	103.93130	187.52903	9.02798	0.0757512	0.17468905	3.1692677	21	11 8.9	20.1
285274 1998 RD_{21}	17.6	X	18.80740	204.10922	178.49678	1.70524	0.1307461	0.30744397	2.1741628	21	—	—
285275 1998 RZ_{24}	16.4	X	73.78731	36.94734	333.49737	13.35558	0.2722587	0.22632067	2.6667762	21	—	—
285276 1998 RH_{54}	16.7	X	53.55567	189.09076	196.80020	7.35304	0.2996162	0.22411860	2.6842159	21	—	—
285277 1998 RL_{63}	16.3	X	47.98472	248.55836	162.58632	13.27210	0.2622986	0.22581477	2.6707576	21	—	—
285278 1998 SN_5	17.0	X	291.69879	244.04056	171.03874	4.56896	0.0519345	0.21443602	2.7644212	21	9 22.3	20.6
285279 1998 SD_{14}	16.0	X	74.53268	354.35307	3.21008	14.35739	0.2585342	0.22600025	2.6692962	21	—	—
285280 1998 SF_{28}	17.3	X	108.87621	350.41558	14.38277	5.52011	0.2520218	0.27263833	2.3554729	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285281 1998 SD_{33}	17.6	X	337.06596	352.00813	359.55791	20.66770	0.0788107	0.38517910	1.8708009	21	9 24.0	18.3
285282 1998 SG_{33}	17.1	X	170.68433	209.04506	186.30197	21.15614	0.0867927	0.37089123	1.9185436	21	3 8.8	19.2
285283 1998 SM_{36}	17.9	X	346.08074	328.90274	7.82661	7.48247	0.1965880	0.29874602	2.2161610	21	9 10.2	19.0
285284 1998 SV_{47}	17.3	X	322.01054	176.54415	206.87494	3.61220	0.1562651	0.29872697	2.2162552	21	9 29.2	18.8
285285 1998 SP_{63}	17.3	X	160.43407	313.81187	52.14644	3.34690	0.2552100	0.27872727	2.3210424	21	2 19.1	20.9
285286 1998 SP_{76}	15.9	X	75.61304	94.11201	256.78284	13.75652	0.1567530	0.22536065	2.6743443	21	—	—
285287 1998 ST_{78}	17.5	X	2.92347	4.08248	335.08860	4.28568	0.1627385	0.30147370	2.2027731	21	10 18.7	19.3
285288 1998 SO_{96}	17.1	X	77.93815	234.11948	78.36432	2.23389	0.1945747	0.26480583	2.4016941	21	12 24.1	20.6
285289 1998 SD_{113}	17.4	X	147.08750	318.89865	65.84020	4.57124	0.2470667	0.27867148	2.3213522	21	3 2.5	20.9
285290 1998 SS_{140}	17.2	X	113.46101	114.45555	252.48844	3.64160	0.3450031	0.27375960	2.3490367	21	1 12.9	19.9
285291 1998 SJ_{152}	17.8	X	99.24832	354.43267	359.96941	2.68206	0.1868070	0.31381065	2.1446558	21	—	—
285292 1998 SL_{157}	17.2	X	181.69768	347.81621	40.68277	3.35848	0.2463490	0.23976301	2.5661454	21	4 6.6	21.5
285293 1998 SX_{173}	17.9	X	279.00907	191.76427	50.98489	0.68913	0.1534147	0.28069472	2.3101839	21	—	—
285294 1998 SP_{176}	17.9	X	270.36424	51.86332	6.82867	8.48633	0.1099369	0.29745478	2.2225698	21	8 28.3	20.3
285295 1998 TY_{4}	16.6	X	106.61500	27.09048	32.30517	6.84945	0.2559735	0.23179087	2.6246526	21	3 11.4	20.2
285296 1998 TZ_{4}	15.6	X	78.54139	340.72199	37.34258	10.68202	0.0906071	0.18097097	3.0954950	21	—	—
285297 1998 TQ_{7}	17.0	X	130.41699	202.36769	196.05654	3.77193	0.1879970	0.23444440	2.6048106	21	2 26.5	20.7
285298 1998 TR_{12}	17.3	X	2.73735	204.84514	213.83660	9.43905	0.2477054	0.21896187	2.7261958	21	—	—
285299 1998 TJ_{16}	15.6	X	110.80214	330.30908	49.09510	13.68246	0.2952839	0.22922334	2.6442154	21	2 1.7	19.4
285300 1998 TT_{16}	16.4	X	36.80242	98.99353	230.50044	5.75086	0.0295214	0.21500128	2.7595739	21	10 26.8	20.0
285301 1998 TU_{19}	16.6	X	108.14160	349.24240	34.67493	3.80563	0.0786270	0.22876111	2.6477760	21	—	—
285302 1998 UD_{12}	17.7	X	338.06767	157.59985	200.56531	5.43977	0.2127476	0.29820963	2.2188176	21	9 24.2	18.6
285303 1998 UD_{46}	16.2	X	70.49259	87.04452	168.66032	1.31245	0.0136285	0.16787900	3.2544066	21	8 30.6	20.8
285304 1998 VR_{3}	17.8	X	199.37208	359.37782	54.00734	2.24920	0.1937812	0.28565706	2.2833513	21	5 18.3	21.3
285305 1998 VN_{46}	18.1	X	322.63789	263.00238	43.13572	6.42790	0.1511956	0.29080192	2.2563400	21	5 21.5	20.2
285306 1998 VQ_{46}	18.2	X	304.14608	326.99401	59.93192	1.47906	0.1440120	0.29632655	2.2282077	21	8 29.4	20.0
285307 1998 WX_{36}	16.7	X	69.98929	307.10974	45.33290	2.86237	0.0571232	0.22063011	2.7124362	21	—	—
285308 1998 WV_{38}	17.3	X	349.40915	324.11416	76.72159	2.32765	0.1700592	0.25896340	2.4376824	21	12 17.8	19.5
285309 1998 WZ_{38}	16.9	X	42.86274	339.90299	98.42685	1.65051	0.0929755	0.22541951	2.6738788	21	—	—
285310 1998 XH_{4}	17.7	X	185.48334	353.44668	71.58747	3.24287	0.1881721	0.28454129	2.2893166	21	5 21.3	21.3
285311 1998 XV_{6}	17.7	X	175.72096	336.08020	85.59518	2.63472	0.2013150	0.28325984	2.2962159	21	5 8.9	21.3
285312 1998 XQ_{15}	17.8	X	79.15211	186.13055	220.43859	4.71948	0.1735441	0.26931359	2.3748191	21	—	—
285313 1998 XH_{18}	15.6	X	188.75475	306.75372	239.23720	11.63665	0.0172652	0.16917103	3.2378152	21	10 24.8	20.3
285314 1998 XT_{20}	16.8	X	8.98591	156.49257	281.61688	7.19514	0.1949352	0.21737982	2.7394070	21	—	—
285315 1998 YZ_{12}	16.8	X	212.50346	269.81244	106.34455	10.54866	0.2071017	0.23609302	2.5926702	21	4 20.3	21.3
285316 1998 YE_{17}	17.0	X	221.89635	135.85994	290.57490	9.37727	0.0738030	0.28440022	2.2900735	21	7 5.5	19.8
285317 1998 YR_{21}	16.9	X	283.87565	32.52754	116.57923	4.36776	0.1784533	0.21246719	2.7814727	21	12 26.6	20.0
285318 1999 BG_{30}	16.7	X	42.29527	152.69177	14.55013	1.10704	0.1048776	0.18539054	3.0461012	21	4 9.4	20.3
285319 1999 BD_{31}	15.4	X	173.21608	355.92015	104.17176	4.43685	0.0476549	0.15082150	3.4953758	21	6 23.9	20.6
285320 1999 CS_{10}	16.5	X	166.75867	136.36672	322.50099	13.06465	0.2102708	0.23662820	2.5887595	21	6 19.4	21.0
285321 1999 CT_{57}	15.5	X	74.11334	190.74855	346.67834	13.05510	0.3184016	0.18603530	3.0390590	21	7 14.9	20.0
285322 1999 CW_{134}	17.0	X	233.22484	271.00266	133.67991	1.10488	0.0780436	0.23759251	2.5817502	21	6 19.1	20.6
285323 1999 CY_{140}	17.2	X	99.02675	345.14636	130.05602	3.83737	0.0096441	0.23057073	2.6339039	21	4 5.8	20.7
285324 1999 CM_{147}	16.5	X	6.84137	45.70684	157.86570	5.39917	0.0919505	0.18083391	3.0970589	21	4 2.4	20.3
285325 1999 EH_{8}	17.2	X	165.71751	162.06998	109.06215	7.40160	0.1760993	0.29152930	2.2525853	21	—	—
285326 1999 EU_{10}	15.8	X	16.17230	69.29507	174.95783	13.02554	0.0652324	0.18658817	3.0330528	21	6 9.0	19.9
285327 1999 EL_{13}	18.0	X	140.18563	153.54898	337.11791	4.06519	0.0843880	0.27964562	2.3159581	21	6 26.3	21.1
285328 1999 FC_{3}	15.9	X	14.55329	219.31427	15.67493	7.25960	0.1221845	0.22682440	2.6628265	21	5 19.9	18.8
285329 1999 FG_{17}	16.3	X	345.16703	53.84239	154.70783	0.41168	0.1089763	0.17598248	3.1537197	21	3 4.6	20.3
285330 1999 FH_{17}	18.1	X	146.69768	47.66659	185.59303	3.41211	0.1260033	0.28732213	2.2745212	21	11 21.5	21.5
285331 1999 FN_{53}	18.3	X	243.45509	191.70681	50.58937	20.15863	0.4554995	0.43104525	1.7356180	21	—	—
285332 1999 FW_{74}	17.1	X	345.25073	31.63210	168.07537	5.28754	0.0541948	0.22098551	2.7095272	21	2 18.4	20.5
285333 1999 FZ_{74}	16.7	X	195.80015	297.11211	175.90610	16.49160	0.1765247	0.23839683	2.5759400	21	7 29.8	21.2
285334 1999 FO_{75}	16.5	X	79.51464	298.13779	175.62708	13.01454	0.2143930	0.22482840	2.6785634	21	4 8.9	19.7
285335 1999 FV_{87}	17.5	X	333.27325	323.16423	267.74408	0.50665	0.1288830	0.26699964	2.3885203	21	2 23.7	20.3
285336 1999 FO_{95}	16.5	X	1.03769	58.04551	93.63268	9.27396	0.1253359	0.21641329	2.7475573	21	1 3.6	19.8
285337 1999 GZ_{56}	15.8	X	21.15425	2.39036	207.50765	10.65552	0.1162018	0.17922974	3.1155113	21	5 3.7	19.5
285338 1999 JK_{5}	16.6	X	102.26293	136.10190	59.22393	23.62629	0.2215825	0.27661918	2.3328198	21	9 8.3	20.8
285339 1999 JR_{6}	18.0	X	33.90273	27.29555	52.61153	20.31815	0.6752602	0.61697195	1.3665508	21	—	—
285340 1999 LO_{6}	16.0	X	313.69783	68.31065	195.75818	25.09637	0.1363258	0.17404443	3.1770883	21	3 24.7	20.4
285341 1999 LB_{19}	15.6	X	61.57070	131.52147	86.56014	17.56761	0.2834070	0.18292692	3.0733897	21	8 17.0	20.0
285342 1999 RJ_{5}	17.9	X	274.15293	350.90358	315.51236	0.66299	0.1850136	0.25684720	2.4510537	21	3 14.9	21.6
285343 1999 RR_{5}	15.6	X	63.68012	343.08224	344.93386	8.97817	0.1088429	0.18676215	3.0311690	21	12 3.2	20.0
285344 1999 RE_{15}	16.0	X	15.40233	202.31543	159.88053	8.37023	0.2424337	0.18348291	3.0671780	21	12 2.2	19.6
285345 1999 RM_{29}	16.0	X	35.94565	193.70427	158.65327	26.38301	0.2216200	0.27760503	2.3272935	21	—	—
285346 1999 RA_{65}	17.0	X	322.29787	237.86493	160.21824	5.42601	0.2580056	0.27053434	2.3676697	21	10 15.4	18.1
285347 1999 RB_{70}	17.5	X	319.29331	134.81753	211.09105	0.47756	0.1992815	0.26595082	2.3947958	21	7 11.9	19.6
285348 1999 RL_{79}	17.1	X	12.39542	194.77854	134.51906	6.01167	0.1614427	0.27113145	2.3641922	21	10 20.8	19.4
285349 1999 RS_{99}	16.0	X	255.45623	91.17054	287.30479	12.96771	0.3433313	0.21631348	2.7484024	21	5 12.6	21.0
285350 1999 RP_{126}	15.5	X	36.77173	175.06827	197.14228	7.92776	0.2821579	0.18718318	3.0266219	21	—	—
285351 1999 RJ_{133}	17.0	X	87.50127	279.59531	343.52718	4.67871	0.0535854	0.22689517	2.6622727	21	10 10.6	20.7
285352 1999 RP_{149}	15.8	X	58.25076	37.39575	338.73859	3.90096	0.2229457	0.23580379	2.5947899	21	—	—
285353 1999 RB_{176}	16.0	X	51.42489	44.43825	338.81079	11.08944	0.1949065	0.23491285	2.6013465	21	—	—
285354 1999 RU_{187}	15.7	X	309.07453	114.42118	169.04709	9.45540	0.2165292	0.21367647	2.7709684	21	3 28.3	19.3
285355 1999 RF_{212}	15.9	X	53.66945	50.07014	292.62911	11.78349	0.3173134	0.18602090	3.0392159	21	—	—
285356 1999 RS_{233}	16.9	X	57.52441	309.72731	64.06215	7.46667	0.1757584	0.28005015	2.3137273	21	—	—
285357 1999 RX_{239}	16.3	X	80.90664	47.48869	307.40019	11.16331	0.2129054	0.23719299	2.5846485	21	—	—
285358 1999 RK_{255}	16.9	X	274.32264	93.01660	275.13675	5.31687	0.2280616	0.26163655	2.4210501	21	5 29.5	20.2
285359 1999 TL_{24}	17.3	X	248.24129	77.97883	56.76525	2.87335	0.1630212	0.27126074	2.3634410	21	10 29.8	20.2
285360 1999 TX_{33}	17.4	X	266.68631	162.86847	198.38061	5.22440	0.1840689	0.30504165	2.1855628	21	5 15.9	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285361 1999 TC_{44}	17.2	X	114.91464	337.95121	313.61728	2.67955	0.0706892	0.23089751	2.6314183	21	12 20.7	21.1
285362 1999 TR_{53}	17.9	X	5.18075	0.75219	351.94566	3.21750	0.1117429	0.31519766	2.1383595	21	11 9.9	19.9
285363 1999 TU_{55}	16.9	X	213.09100	19.18286	20.86139	3.08807	0.0606873	0.21008329	2.8024748	21	5 21.9	21.0
285364 1999 TX_{61}	17.8	X	210.83879	240.66627	214.13978	1.19057	0.0619290	0.30573259	2.1822687	21	8 1.9	20.6
285365 1999 TR_{64}	17.4	X	185.83408	96.59162	346.45663	2.38836	0.1689127	0.25827666	2.4420016	21	6 14.4	21.4
285366 1999 TQ_{66}	17.9	X	21.88795	81.30464	295.45856	1.11777	0.2192514	0.27446723	2.3449975	21	—	—
285367 1999 TY_{67}	15.2	X	319.83898	252.35862	86.12927	3.14825	0.2771455	0.12590590	3.9425027	21	6 20.5	19.9
285368 1999 TW_{70}	17.8	X	102.77889	90.69887	207.75995	3.79585	0.1570954	0.27637862	2.3341732	21	12 29.0	21.4
285369 1999 TE_{76}	17.0	X	317.00891	50.82088	27.33932	3.67048	0.1049259	0.22603677	2.6690087	21	11 27.5	20.0
285370 1999 TO_{78}	16.7	X	25.68346	8.20158	23.78908	4.33935	0.0615943	0.18680537	3.0307013	21	12 29.0	20.8
285371 1999 TH_{86}	17.3	X	313.62069	167.93434	156.10408	1.75892	0.1908189	0.25898495	2.4375472	21	5 29.5	19.8
285372 1999 TH_{91}	17.6	X	61.73764	199.82808	171.05565	4.13085	0.2663786	0.27975701	2.3153433	21	—	—
285373 1999 TE_{92}	17.1	X	158.13682	217.98502	143.71150	5.96348	0.2796672	0.24574777	2.5243118	21	2 16.3	21.1
285374 1999 TY_{94}	16.7	X	93.39974	227.60576	131.17705	7.35503	0.1359258	0.28242690	2.3007283	21	—	—
285375 1999 TM_{122}	16.6	X	270.17684	207.36394	179.25641	9.93278	0.2176662	0.26163771	2.4210430	21	6 20.8	20.2
285376 1999 TB_{125}	17.2	X	61.71053	10.11964	304.26755	1.71191	0.2212386	0.27500860	2.3419190	21	12 14.9	20.5
285377 1999 TP_{130}	15.3	X	276.71938	232.68565	189.12461	14.94052	0.0427351	0.17675885	3.1444783	21	9 5.7	19.7
285378 1999 TK_{134}	16.1	X	3.60014	117.96216	240.57067	1.81983	0.2716006	0.18012647	3.1051627	21	11 5.8	19.0
285379 1999 TR_{136}	15.6	X	35.54705	189.59447	208.82943	10.22345	0.0617275	0.18774732	3.0205559	21	—	—
285380 1999 TQ_{139}	17.1	X	254.04101	179.96941	216.10589	5.31754	0.1899345	0.25981651	2.4323434	21	6 18.6	20.6
285381 1999 TK_{143}	17.0	X	232.98126	122.64922	244.65483	1.74967	0.1865587	0.25492209	2.4633781	21	4 21.1	20.9
285382 1999 TA_{149}	16.0	X	87.61326	355.63793	5.27127	6.89352	0.2245485	0.19129748	2.9830684	21	—	—
285383 1999 TX_{157}	17.8	X	356.07137	89.35055	287.90323	1.08601	0.2095640	0.27106055	2.3646045	21	12 5.1	19.6
285384 1999 TG_{161}	15.3	X	69.07416	200.73121	205.68663	13.24248	0.0443284	0.19374742	2.9578678	21	—	—
285385 1999 TS_{176}	17.8	X	10.85420	60.07708	0.33892	5.49934	0.1746403	0.27699767	2.3306943	21	—	—
285386 1999 TT_{177}	16.3	X	254.14646	177.08225	209.76488	10.57656	0.3600873	0.21328947	2.7743193	21	5 23.8	21.2
285387 1999 TX_{183}	15.2	X	322.34050	57.75312	312.87674	15.06294	0.2443155	0.17571467	3.1569233	21	8 12.6	18.6
285388 1999 TN_{185}	16.7	X	96.21016	146.13327	260.08874	12.26582	0.2419958	0.24100936	2.5572908	21	1 28.1	19.8
285389 1999 TS_{196}	16.1	X	129.86835	348.17911	17.70827	15.60205	0.1851708	0.24025557	2.5626369	21	1 20.8	20.0
285390 1999 TG_{211}	16.9	X	3.02134	327.05054	18.88607	5.66271	0.2750617	0.27163531	2.3612677	21	11 11.2	18.7
285391 1999 TM_{212}	15.6	X	62.52320	358.78118	9.65975	10.99411	0.1356415	0.18744091	3.0238468	21	—	—
285392 1999 TH_{219}	16.8	X	127.34807	345.57143	359.61800	13.41429	0.2776186	0.24031511	2.5622136	21	1 1.4	20.6
285393 1999 TJ_{220}	16.5	X	125.47614	88.93566	293.74001	4.26494	0.1884238	0.24190685	2.5509617	21	1 31.6	20.0
285394 1999 TK_{225}	16.8	X	323.84807	76.84148	194.33551	4.96179	0.0900452	0.25780743	2.4449638	21	4 15.5	19.7
285395 1999 TE_{254}	16.9	X	101.86974	56.90486	252.10123	2.51639	0.1407409	0.23191113	2.6237452	21	—	—
285396 1999 TW_{263}	16.4	X	4.79647	150.63130	210.52600	2.12974	0.0840798	0.17889539	3.1193920	21	10 23.7	20.2
285397 1999 TR_{266}	15.4	X	314.13568	62.88524	316.72591	14.99940	0.2474401	0.17542235	3.1604294	21	8 9.7	18.9
285398 1999 TN_{278}	15.4	X	318.63311	342.58001	32.24258	10.59952	0.1261173	0.17270818	3.1934549	21	9 1.6	19.5
285399 1999 TY_{289}	15.6	X	19.97635	127.46994	198.79183	15.34483	0.2789937	0.17889267	3.1194236	21	10 28.4	19.0
285400 1999 TY_{293}	17.7	X	280.93702	329.40365	338.96018	1.84477	0.2030222	0.25763453	2.4460576	21	3 22.2	21.3
285401 1999 TN_{294}	16.9	X	275.25125	127.15295	179.55532	8.87576	0.2082513	0.25662049	2.4524970	21	3 13.9	20.7
285402 1999 TO_{309}	16.1	X	293.35163	10.09650	16.60825	5.47468	0.1834757	0.17239303	3.1973456	21	7 28.2	20.3
285403 1999 TT_{319}	17.9	X	17.78343	249.29901	201.92708	1.20461	0.2060218	0.23487028	2.6016608	21	—	—
285404 1999 TU_{321}	17.1	X	351.70429	327.23864	28.78589	6.38055	0.1485971	0.26820475	2.3813601	21	10 15.9	19.0
285405 1999 UZ_{3}	15.9	X	334.43164	161.20247	232.52309	10.55137	0.2520464	0.17757832	3.1347970	21	10 11.2	19.0
285406 1999 UV_{20}	17.1	X	165.48424	197.02498	83.14406	2.47787	0.1410668	0.23746299	2.5826889	21	—	—
285407 1999 US_{28}	17.3	X	318.48726	315.58469	144.83465	1.65733	0.1547008	0.23029105	2.6360360	21	—	—
285408 1999 UT_{28}	16.0	X	17.30089	24.40086	27.02039	11.79283	0.1010905	0.18728316	3.0255446	21	—	—
285409 1999 UF_{32}	17.3	X	263.86164	80.97139	53.24695	2.10607	0.1257247	0.22616725	2.6679820	21	11 17.2	20.6
285410 1999 US_{39}	16.2	X	322.14414	65.38739	37.12344	6.06082	0.0936116	0.18637885	3.0353233	21	12 28.5	20.0
285411 1999 VW_{2}	17.1	X	247.68455	186.10884	258.98939	5.02226	0.0577988	0.30819454	2.1706315	21	9 6.3	19.6
285412 1999 VD_{3}	16.6	X	298.06672	3.77893	223.53875	15.31713	0.1291216	0.24171474	2.5523132	21	1 6.3	20.5
285413 1999 VC_{17}	17.8	X	310.32817	36.02261	354.63763	2.05383	0.2136306	0.26620028	2.3932995	21	9 2.4	19.8
285414 1999 VK_{39}	16.7	X	45.05009	0.32233	66.95310	5.49620	0.1912447	0.23427539	2.6060632	21	—	—
285415 1999 VQ_{42}	17.5	X	325.14928	358.38386	313.03330	1.77923	0.2036713	0.26080798	2.4261751	21	5 28.2	19.7
285416 1999 VX_{42}	16.5	X	282.87674	9.08378	102.60893	2.91588	0.1313289	0.17883470	3.1200977	21	11 6.7	20.5
285417 1999 VH_{46}	16.1	X	307.91239	127.68575	236.51781	10.89929	0.2556638	0.26347360	2.4097832	21	7 5.5	18.6
285418 1999 VM_{46}	17.6	X	15.46903	81.44141	246.33055	6.88587	0.0606720	0.40297977	1.8152950	21	10 28.7	18.8
285419 1999 VE_{73}	17.5	X	307.45921	0.21223	11.56854	2.91802	0.2553084	0.26593763	2.3948750	21	7 19.8	19.7
285420 1999 VR_{74}	15.5	X	273.30554	42.24261	32.73459	13.32696	0.1065967	0.17568676	3.1572577	21	9 16.9	20.0
285421 1999 VT_{76}	16.3	X	13.80160	151.29882	212.89555	5.82734	0.0844490	0.17815756	3.1279986	21	11 9.9	20.4
285422 1999 VJ_{96}	17.5	X	0.01021	356.35595	43.30117	7.50134	0.1033371	0.27324837	2.3519658	21	12 29.9	20.1
285423 1999 VM_{100}	15.7	X	288.60523	239.03302	230.83074	9.24992	0.0954616	0.17998644	3.1067730	21	11 16.5	19.7
285424 1999 VO_{101}	15.7	X	302.66909	31.25465	50.35444	13.99885	0.1445136	0.17770510	3.1333059	21	10 28.8	19.5
285425 1999 VY_{102}	15.8	X	2.56201	203.53764	229.12502	9.44112	0.1148346	0.18509900	3.0492990	21	—	—
285426 1999 VK_{103}	16.2	X	13.70638	113.98910	231.97187	7.79892	0.1994808	0.17790610	3.1309453	21	10 29.3	19.8
285427 1999 VL_{103}	17.1	X	280.34513	286.81138	48.86225	1.99525	0.1962667	0.25642366	2.4537519	21	4 27.9	20.3
285428 1999 VX_{112}	16.2	X	332.97500	8.35588	68.98090	12.03485	0.2000327	0.22529004	2.6749031	21	12 28.2	18.7
285429 1999 VM_{123}	17.2	X	37.56709	180.84273	206.34825	2.98714	0.1475221	0.27553103	2.3389577	21	—	—
285430 1999 VU_{123}	18.3	X	299.23990	338.02214	91.03610	2.43953	0.1505852	0.26679318	2.3897524	21	10 20.5	20.5
285431 1999 VS_{125}	16.2	X	64.52409	153.50458	162.57381	0.17445	0.0783664	0.17999545	3.1066693	21	11 16.2	20.5
285432 1999 VV_{126}	17.6	X	89.09762	227.02016	176.21571	2.18155	0.2001655	0.24018349	2.5631496	21	1 9.8	20.2
285433 1999 VD_{127}	16.6	X	100.87347	225.08822	53.94369	3.31365	0.0675645	0.22802945	2.6534369	21	11 18.9	20.4
285434 1999 VZ_{130}	18.7	X	33.50645	15.39788	30.51893	1.77284	0.1857009	0.27734137	2.3287683	21	—	—
285435 1999 VL_{141}	17.1	X	223.74915	92.84229	275.21260	1.12307	0.1929658	0.25279252	2.4771933	21	4 13.5	21.2
285436 1999 VR_{146}	16.4	X	100.15241	150.40342	222.24420	11.53674	0.1777341	0.23702143	2.5858955	21	—	—
285437 1999 VJ_{148}	16.7	X	270.75916	290.14868	67.12965	6.07100	0.1263919	0.25696364	2.4503132	21	5 25.1	20.1
285438 1999 VP_{151}	16.5	X	221.17321	12.27897	43.21691	3.66473	0.1382845	0.21023106	2.8011614	21	6 15.1	20.8
285439 1999 VC_{155}	16.0	X	332.75612	270.28342	44.42355	7.17599	0.0664903	0.16836725	3.2481118	21	7 6.6	20.3
285440 1999 VE_{167}	17.2	X	112.73114	332.92431	42.02334	5.85632	0.3033560	0.23901139	2.5715224	21	1 25.8	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285441 1999 VT_{183}	16.3	X	222.47349	133.72491	233.66151	8.41164	0.2194935	0.25160278	2.4849964	21	4 9.4	20.5
285442 1999 VJ_{185}	15.7	X	112.12251	332.82663	65.98124	12.86908	0.0576748	0.19449623	2.9502711	21	1 29.6	20.0
285443 1999 VM_{185}	17.7	X	255.41526	307.59664	69.97449	4.96204	0.2228940	0.30285279	2.1960809	21	5 21.3	20.9
285444 1999 VP_{202}	17.6	X	194.82986	216.33427	208.46144	0.73310	0.1758569	0.25471122	2.4647374	21	5 30.5	21.5
285445 1999 VS_{204}	16.7	X	259.31376	196.58661	224.45931	2.70623	0.1846603	0.21660157	2.7459649	21	7 27.5	20.6
285446 1999 VD_{212}	16.2	X	292.17198	284.93203	235.75054	11.17207	0.2305970	0.22904390	2.6455963	21	—	—
285447 1999 VE_{222}	15.5	X	157.55692	86.08527	227.07809	10.48883	0.1169643	0.19313437	2.9641238	21	—	—
285448 1999 WK_{19}	16.0	X	257.64827	281.46056	231.80174	13.28281	0.0815326	0.22696610	2.6617181	21	12 9.9	19.5
285449 1999 XO_{9}	16.4	X	109.12702	100.17124	252.76317	10.21018	0.2107293	0.23455731	2.6039746	21	—	—
285450 1999 XJ_{62}	17.0	X	333.36776	303.39185	67.07248	7.27209	0.1532518	0.26514024	2.3996742	21	10 2.8	19.2
285451 1999 XK_{111}	16.1	X	16.44804	48.62244	38.78889	31.93794	0.3204039	0.23288790	2.6164038	21	—	—
285452 1999 XC_{137}	15.9	X	118.00040	138.85081	277.07638	9.05569	0.3239476	0.24361352	2.5390337	21	3 18.7	19.9
285453 1999 XK_{138}	16.6	X	311.67325	261.62180	227.61132	4.89301	0.1605591	0.22951208	2.6419972	21	—	—
285454 1999 XD_{210}	16.2	X	292.49083	123.48823	354.20583	7.53748	0.2930971	0.22271474	2.6954839	21	11 11.5	19.0
285455 1999 XK_{210}	16.0	X	319.25035	99.07033	318.11432	12.04059	0.1857490	0.22068722	2.7119682	21	10 20.9	19.0
285456 1999 XL_{232}	17.3	X	14.91624	236.62424	200.09085	1.08063	0.0503331	0.23181776	2.6244497	21	—	—
285457 1999 XO_{235}	17.3	X	144.90421	118.96604	253.94922	6.68226	0.1281039	0.28619514	2.2804885	21	1 24.1	20.3
285458 1999 XQ_{246}	17.5	X	98.78747	90.96182	280.47186	2.32138	0.1838554	0.23604121	2.5930496	21	—	—
285459 1999 XB_{252}	15.9	X	356.54049	302.61088	77.74219	11.75075	0.1431996	0.17755160	3.1351115	21	11 11.2	19.7
285460 1999 XQ_{254}	16.2	X	223.62774	258.08130	287.05432	11.83006	0.0713726	0.22043366	2.7140475	21	12 7.2	20.1
285461 1999 XY_{259}	16.4	X	25.29797	135.72941	283.47373	13.03671	0.0942403	0.22734892	2.6587293	21	—	—
285462 1999 YX_{1}	15.2	X	254.54849	288.95099	234.12363	20.21832	0.1516936	0.18158126	3.0885552	21	11 29.2	19.6
285463 1999 YQ_{7}	16.1	X	120.10729	247.70934	91.46263	8.02670	0.2035583	0.23535297	2.5981024	21	—	—
285464 1999 YD_{10}	18.0	X	278.22138	289.74511	127.03651	2.84338	0.1624205	0.26252221	2.4156018	21	8 23.1	20.9
285465 1999 YF_{11}	16.7	X	28.89085	359.75170	123.22047	3.81020	0.1360772	0.23733705	2.5836025	21	1 4.6	19.4
285466 1999 YL_{23}	17.8	X	215.23552	324.74927	121.87844	2.40064	0.1607242	0.25742535	2.4473825	21	7 17.9	21.4
285467 1999 YX_{23}	17.7	X	11.78361	269.53297	164.16030	2.30068	0.1958938	0.23065955	2.6332278	21	—	—
285468 1999 YE_{24}	15.6	X	143.16873	312.69512	211.57383	4.96245	0.0635379	0.16614766	3.2769758	21	8 7.8	20.5
285469 2000 AV_{37}	16.3	X	79.76551	280.44995	97.44499	13.04043	0.1863978	0.23033627	2.6356910	21	—	—
285470 2000 AH_{197}	15.4	X	128.14955	134.60198	264.84978	11.29119	0.2808097	0.23880952	2.5729714	21	3 2.7	19.6
285471 2000 AT_{207}	16.8	X	0.04490	296.66977	135.31964	12.92301	0.2327386	0.26979251	2.3720078	21	—	—
285472 2000 AD_{208}	15.2	X	80.52775	287.02358	76.51429	10.73727	0.0264792	0.18564494	3.0433178	21	—	—
285473 2000 AR_{212}	17.2	X	228.96126	203.25874	253.15963	8.51490	0.2566104	0.21335791	2.7737260	21	8 1.4	22.0
285474 2000 AU_{218}	16.8	X	19.12467	336.20932	89.21525	2.95442	0.1846129	0.18215710	3.0820426	21	—	—
285475 2000 AE_{221}	16.6	X	356.39402	40.03556	312.06667	4.64030	0.0510034	0.21394695	2.7686325	21	9 30.3	20.2
285476 2000 AV_{248}	16.5	X	98.83711	262.91303	105.42163	5.68487	0.2131524	0.23574860	2.5951949	21	—	—
285477 2000 BH_{10}	16.4	X	303.37023	255.59617	132.48076	4.49793	0.1032203	0.21031091	2.8004523	21	8 27.4	19.7
285478 2000 BM_{13}	17.8	X	249.09365	164.15916	315.40640	1.96051	0.1424556	0.26057049	2.4276490	21	10 10.4	21.0
285479 2000 BH_{22}	17.0	X	43.00902	95.80737	325.94179	3.63318	0.2411226	0.22917073	2.6446201	21	—	—
285480 2000 BZ_{23}	15.5	X	18.40363	21.83695	89.92913	18.74040	0.1337015	0.18524364	3.0477114	21	—	—
285481 2000 BT_{42}	17.5	X	53.51510	275.46887	121.26878	1.09269	0.1950263	0.22811921	2.6527407	21	—	—
285482 2000 BG_{49}	16.8	X	258.58300	2.77570	126.42567	11.06897	0.2063632	0.21777853	2.7360625	21	10 26.1	20.7
285483 2000 BW_{50}	16.5	X	21.43324	107.79378	298.66491	4.99393	0.0621289	0.22413571	2.6840793	21	—	—
285484 2000 CS_{12}	15.8	X	24.69326	177.61226	273.77781	6.46392	0.2217912	0.18492729	3.0511862	21	—	—
285485 2000 CN_{64}	16.9	X	56.41328	105.88344	333.06257	3.56238	0.2893592	0.23374920	2.6099727	21	1 6.8	18.4
285486 2000 CY_{71}	17.9	X	30.38740	4.83501	91.65395	0.23045	0.1012185	0.27576934	2.3376101	21	—	—
285487 2000 CH_{74}	17.5	X	254.41261	270.93530	131.04464	3.43578	0.1868182	0.25321152	2.4744598	21	6 27.4	21.0
285488 2000 CR_{74}	17.0	X	58.35242	343.29167	133.59565	4.50282	0.1190286	0.23623246	2.5916499	21	2 19.3	19.7
285489 2000 CL_{99}	16.4	X	334.42206	101.03606	328.75124	4.35551	0.0126021	0.21787749	2.7352339	21	12 10.9	20.2
285490 2000 CU_{100}	15.3	X	132.28810	211.49307	133.54353	10.76498	0.0645042	0.18172987	3.0868712	21	—	—
285491 2000 CK_{114}	15.5	X	239.67637	252.89149	310.63744	8.28084	0.1435084	0.17694550	3.1422666	21	12 30.9	20.1
285492 2000 CL_{134}	17.0	X	68.00782	107.86747	291.82733	0.87737	0.0818822	0.22713309	2.6604133	21	—	—
285493 2000 CD_{135}	17.1	X	26.08128	254.10769	144.10789	2.99540	0.1506397	0.22246939	2.6974654	21	—	—
285494 2000 CM_{139}	17.8	X	89.62830	115.17481	129.00000	5.15171	0.1033369	0.30085858	2.2057745	21	10 7.1	20.6
285495 2000 CX_{149}	15.8	X	27.68355	274.26507	144.02129	13.34893	0.0374696	0.17776009	3.1326596	21	—	—
285496 2000 DZ_{9}	17.4	X	355.03509	311.74021	150.77697	2.41790	0.1114182	0.27139815	2.3626431	21	—	—
285497 2000 DN_{11}	16.3	X	95.96256	282.31979	0.44185	3.53905	0.0698351	0.20973347	2.8055901	21	11 14.5	20.3
285498 2000 DU_{20}	16.8	X	210.28010	226.99963	307.28643	4.12860	0.1292941	0.26064352	2.4271955	21	11 5.9	20.3
285499 2000 DF_{38}	16.2	X	302.15453	143.19979	331.29175	9.51389	0.1049538	0.21926240	2.7237042	21	12 21.1	19.6
285500 2000 DR_{39}	17.0	X	320.92098	265.77834	166.74021	10.35405	0.1279824	0.26310554	2.4120301	21	12 8.5	19.5
285501 2000 DM_{40}	16.1	X	251.61659	203.78969	311.05685	2.65399	0.1191946	0.21688706	2.7435547	21	11 25.9	19.7
285502 2000 DU_{42}	15.7	X	354.64127	264.41564	346.51885	10.00988	0.0932338	0.19460618	2.9491597	21	5 8.7	19.5
285503 2000 DV_{46}	16.3	X	304.49666	37.65248	165.56918	6.89534	0.1557758	0.22798679	2.6537679	21	—	—
285504 2000 DH_{49}	16.0	X	301.61340	359.33211	146.13069	6.49667	0.1385327	0.17658976	3.1464853	21	—	—
285505 2000 DS_{57}	16.3	X	273.94803	172.01232	329.32984	7.28572	0.1616243	0.21812401	2.7331727	21	12 2.9	19.7
285506 2000 EZ_{15}	17.3	X	270.25395	356.42191	342.22457	3.81283	0.0203792	0.24168582	2.5525167	21	5 13.9	20.7
285507 2000 EL_{23}	16.3	X	273.57998	44.61557	165.32798	0.84891	0.1306875	0.17966366	3.1104930	21	—	—
285508 2000 EF_{33}	17.3	X	211.49182	83.41509	123.35197	4.93785	0.0634166	0.30942696	2.1648640	21	—	—
285509 2000 EK_{36}	15.8	X	257.32304	89.13419	133.79961	13.87837	0.1704294	0.22278933	2.6948822	21	—	—
285510 2000 EG_{51}	16.5	X	326.32981	231.65086	211.10421	1.09251	0.1597250	0.21846973	2.7302884	21	12 18.6	19.2
285511 2000 EJ_{52}	17.7	X	80.70133	176.98036	343.11858	1.69267	0.0727511	0.24070038	2.5594788	21	5 17.8	20.8
285512 2000 ER_{72}	17.5	X	83.03316	177.54652	334.39135	6.31581	0.0648958	0.28769461	2.2725576	21	5 1.9	20.2
285513 2000 EZ_{99}	17.4	X	138.44334	123.43333	358.03913	3.36244	0.0724477	0.28976367	2.2617265	21	6 8.8	20.3
285514 2000 EJ_{101}	17.1	X	33.44630	177.47456	27.51908	14.32223	0.1895106	0.23693588	2.5865179	21	5 14.7	19.6
285515 2000 ET_{114}	17.3	X	240.61066	201.37941	290.27124	1.71630	0.1519610	0.25885129	2.4383862	21	10 14.2	20.4
285516 2000 EU_{146}	15.6	X	212.44418	341.77806	117.63772	13.25222	0.1471123	0.20498287	2.8487718	21	8 1.1	20.1
285517 2000 EO_{152}	17.4	X	173.05364	33.95544	170.76118	4.15043	0.1017490	0.30370861	2.1919534	21	11 15.9	20.3
285518 2000 EE_{186}	16.1	X	122.59249	265.51914	324.77641	6.38792	0.0924623	0.21027953	2.8007309	21	10 10.2	20.4
285519 2000 EV_{196}	16.5	X	266.93564	3.60890	175.78407	13.75894	0.1484628	0.21972773	2.7198574	21	—	—
285520 2000 FO_{4}	16.6	X	203.68359	348.85145	211.70836	3.16978	0.0412964	0.21265255	2.7798561	21	12 5.5	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285521 2000 FT_{5}	16.2	X	109.18606	113.59203	12.34195	10.50358	0.0685328	0.19160668	2.9798584	21	5 10.5	20.5
285522 2000 FW_{5}	16.1	X	11.83421	214.81514	13.00817	8.32836	0.0205659	0.19097511	2.9864245	21	5 7.4	20.1
285523 2000 FX_{9}	16.7	X	264.32967	241.01215	22.01931	4.40058	0.0352507	0.22803292	2.6534099	21	1 30.0	20.4
285524 2000 FQ_{22}	15.4	X	176.65536	198.75349	35.73569	17.98738	0.1932621	0.21245357	2.7815915	21	12 3.9	20.2
285525 2000 FQ_{24}	16.1	X	305.54506	102.71200	142.35304	15.21688	0.1078827	0.23051737	2.6343104	21	2 14.9	19.8
285526 2000 FX_{50}	16.8	X	168.33442	43.67058	197.67578	3.83933	0.0185089	0.21341870	2.7731992	21	12 16.0	20.7
285527 2000 FJ_{52}	16.5	X	159.16050	39.41940	182.08956	0.76391	0.0686769	0.16315431	3.3169354	21	11 3.3	21.4
285528 2000 FY_{71}	16.1	X	315.15044	114.28783	97.40393	14.05932	0.2029570	0.22788096	2.6545894	21	1 2.5	19.8
285529 2000 FO_{73}	16.9	X	50.47110	285.43390	187.97530	2.30739	0.0281270	0.22993221	2.6387779	21	1 27.8	20.2
285530 2000 GT_{15}	18.0	X	116.89663	340.28258	233.85832	0.54951	0.1946220	0.29519792	2.2338835	21	10 1.4	21.5
285531 2000 GS_{22}	17.2	X	30.05269	152.34369	27.51699	5.05829	0.0996509	0.28062757	2.3105524	21	3 22.5	19.3
285532 2000 GK_{25}	16.8	X	289.42775	281.32824	13.85460	6.70308	0.1316467	0.28016305	2.3131057	21	3 22.4	19.8
285533 2000 GR_{29}	17.6	X	247.36881	298.32138	207.57416	1.70977	0.1754450	0.25941787	2.4348346	21	11 8.6	20.7
285534 2000 GK_{36}	17.3	X	0.48996	72.79506	190.78864	3.71798	0.2168318	0.23832779	2.5764374	21	6 3.4	19.3
285535 2000 GU_{37}	16.8	X	324.25622	23.29439	204.47995	6.17674	0.1212489	0.23033238	2.6357207	21	2 12.8	20.3
285536 2000 GP_{73}	16.1	X	342.17704	324.29171	215.22168	15.40742	0.1329864	0.22656180	2.6648837	21	1 4.7	19.8
285537 2000 GW_{109}	15.6	X	177.35697	194.94133	37.01875	14.80163	0.1209854	0.21224026	2.7834550	21	12 6.0	20.1
285538 2000 GK_{111}	16.9	X	5.03778	212.62957	325.19976	4.03182	0.2490596	0.23140692	2.6275551	21	1 26.4	19.0
285539 2000 GY_{120}	18.0	X	53.39432	86.23009	172.68560	2.39420	0.1809008	0.24454078	2.5326112	21	9 12.9	21.2
285540 2000 GU_{127}	18.5	X	315.85480	138.86061	171.93113	8.49417	0.7271357	0.32282329	2.1045511	21	2 23.6	22.7
285541 2000 GM_{132}	17.0	X	290.15048	96.84863	187.28182	3.76684	0.1652495	0.23191341	2.6237280	21	3 9.1	20.6
285542 2000 GM_{139}	17.1	X	117.72893	94.65436	113.20668	7.01500	0.1153152	0.29411351	2.2393711	21	9 21.9	20.3
285543 2000 GH_{170}	15.7	X	199.72819	147.98339	356.70883	15.07853	0.0778698	0.20510930	2.8476011	21	9 18.3	19.9
285544 2000 GG_{180}	16.6	X	288.86529	97.22710	39.97253	2.36132	0.0258908	0.21508677	2.7588425	21	—	—
285545 2000 GX_{180}	17.2	X	47.28509	255.88894	29.92252	5.99749	0.1249681	0.29292022	2.2454487	21	10 9.8	19.7
285546 2000 HJ_{20}	17.4	X	227.67143	159.37367	220.64194	21.38342	0.0485221	0.37587131	1.9015595	21	5 2.1	19.2
285547 2000 HL_{32}	17.6	X	1.34908	237.65160	28.12608	2.65343	0.2198383	0.28315733	2.2967700	21	6 4.6	18.9
285548 2000 HQ_{66}	17.5	X	288.12748	220.76715	57.21676	0.72721	0.1484683	0.27573500	2.3378041	21	2 23.8	20.8
285549 2000 JA_{5}	17.9	X	28.75303	87.77529	181.16868	1.63441	0.1614075	0.28760667	2.2730208	21	8 16.8	19.7
285550 2000 JR_{7}	16.1	X	306.44540	77.31022	202.87242	4.17936	0.1160923	0.18552956	3.0445794	21	4 6.8	20.0
285551 2000 JJ_{68}	17.9	X	354.97780	77.37145	205.05491	3.97102	0.1519060	0.28579012	2.2826425	21	6 21.8	19.7
285552 2000 JS_{90}	16.1	X	247.03301	275.60229	171.25524	9.30133	0.1073029	0.20419720	2.8560745	21	8 25.1	20.1
285553 2000 KN_{1}	16.7	X	328.84742	133.56911	121.18404	25.66929	0.0954791	0.37136325	1.9169176	21	3 19.9	19.1
285554 2000 KN_{4}	16.1	X	299.00944	48.90326	219.51299	28.23175	0.2254616	0.22835019	2.6509516	21	2 11.6	20.7
285555 2000 KV_{39}	15.8	X	294.83630	24.08907	94.73721	7.93489	0.0567924	0.21015073	2.8018752	21	12 17.0	19.3
285556 2000 KV_{40}	17.1	X	279.78943	47.45821	230.93259	3.77113	0.0687015	0.22769018	2.6560720	21	3 1.7	20.8
285557 2000 KV_{44}	16.4	X	352.05719	100.80479	107.19862	9.35189	0.0429489	0.22867369	2.6484508	21	3 15.9	19.9
285558 2000 KR_{45}	17.4	X	357.87210	65.26999	203.08231	4.84268	0.0720808	0.28301326	2.2975494	21	6 8.3	19.7
285559 2000 KE_{51}	16.5	X	238.21569	46.37555	234.33467	13.32103	0.1553083	0.22232536	2.6986302	21	1 13.0	21.1
285560 2000 KO_{57}	16.4	X	158.01290	47.19612	230.90526	6.67276	0.1108482	0.21238956	2.7821504	21	—	—
285561 2000 KN_{63}	16.6	X	318.59730	166.15010	88.92083	8.81784	0.2875052	0.22948772	2.6421842	21	2 21.1	20.2
285562 2000 KC_{65}	16.2	X	230.05245	110.42083	100.18381	8.76373	0.1584783	0.21427096	2.7658408	21	—	—
285563 2000 KK_{66}	17.2	X	312.07659	138.97932	117.92103	25.48917	0.0704109	0.36893560	1.9253174	21	2 24.8	19.4
285564 2000 KJ_{70}	16.0	X	233.11602	182.35850	61.32665	14.66657	0.1770489	0.21791591	2.7349124	21	—	—
285565 2000 LX_{6}	17.4	X	291.52471	110.51930	139.34783	3.49302	0.1850994	0.27190446	2.3597092	21	1 18.3	20.7
285566 2000 NM_{10}	17.2	X	274.00401	136.96010	166.07967	3.74778	0.2618823	0.27137480	2.3627786	21	3 1.8	20.9
285567 2000 OM	18.5	X	191.36806	73.91725	123.55121	13.58409	0.6408925	0.44437904	1.7007233	21	11 4.7	22.1
285568 2000 OX_{8}	16.0	X	253.69097	223.82533	146.60454	24.68016	0.2869997	0.27123606	2.3635843	21	5 13.2	20.5
285569 2000 OC_{9}	16.2	X	228.12736	359.50548	348.55973	7.83261	0.2991335	0.26567601	2.3964469	21	3 19.1	20.4
285570 2000 OK_{32}	16.8	X	283.41263	151.18808	219.46979	3.80558	0.2541948	0.27703928	2.3304609	21	6 9.3	19.8
285571 2000 PQ_{9}	18.1	X	351.82250	6.93714	297.21186	13.47689	0.4319861	0.37516282	1.9039529	21	5 26.8	17.6
285572 2000 PU_{18}	15.6	X	304.13097	339.09989	320.80860	15.76882	0.2650649	0.18079975	3.0974490	21	3 30.0	20.2
285573 2000 QC_{16}	17.7	X	1.53054	178.71350	170.31896	1.44028	0.1644542	0.28540295	2.2847065	21	10 31.0	19.6
285574 2000 QG_{20}	17.7	X	314.20105	163.24695	169.97328	1.06346	0.2982281	0.27714646	2.3298600	21	5 23.1	20.1
285575 2000 QU_{20}	17.3	X	205.67030	41.94726	345.32323	3.11317	0.2546987	0.26702810	2.3883506	21	4 19.8	21.4
285576 2000 QQ_{37}	15.6	X	265.60406	103.75921	299.48663	4.16655	0.2865310	0.18250184	3.0781602	21	6 29.7	20.4
285577 2000 QZ_{38}	16.6	X	297.23917	339.44859	322.24159	10.89359	0.2439431	0.27322829	2.3520810	21	3 20.2	20.0
285578 2000 QA_{39}	17.0	X	276.06857	150.35289	171.86399	2.27338	0.1844489	0.27197374	2.3593085	21	4 5.6	20.5
285579 2000 QN_{39}	17.2	X	270.79108	184.44093	164.65240	2.55365	0.2192285	0.27346162	2.3507429	21	5 1.7	20.6
285580 2000 QV_{48}	16.3	X	300.02394	182.11840	157.01709	18.23932	0.2480517	0.18215540	3.0820618	21	5 28.2	20.8
285581 2000 QW_{51}	15.6	X	318.62709	358.43521	323.83603	8.41637	0.1332552	0.18342023	3.0678766	21	6 16.7	19.5
285582 2000 QY_{51}	14.8	X	225.23523	254.67602	151.88654	26.50588	0.2430160	0.17804653	3.1292989	21	6 7.3	20.6
285583 2000 QV_{59}	17.4	X	228.00943	35.14839	335.39913	1.15507	0.2552625	0.26915576	2.3757474	21	4 16.8	21.3
285584 2000 QN_{68}	16.1	X	225.76031	62.54289	321.41970	4.03947	0.1943484	0.17645910	3.1480383	21	5 8.3	21.3
285585 2000 QU_{70}	16.5	X	289.35898	186.02108	142.65763	13.04179	0.2011250	0.27345732	2.3507675	21	5 2.2	19.9
285586 2000 QB_{74}	17.1	X	219.33980	192.42247	166.15825	11.03110	0.1813666	0.26698398	2.3886137	21	3 30.3	20.9
285587 2000 QC_{76}	17.7	X	129.81668	145.54015	170.93878	5.24981	0.1891527	0.29859989	2.2168839	21	—	—
285588 2000 QW_{92}	16.9	X	258.96746	341.18553	326.34120	5.35741	0.2189790	0.26714281	2.3876668	21	2 25.6	20.6
285589 2000 QB_{94}	17.9	X	343.62516	66.00748	250.85858	3.31958	0.2652790	0.27990932	2.3145033	21	7 15.2	18.7
285590 2000 QX_{101}	16.4	X	245.23902	203.95708	127.14828	6.93489	0.1479351	0.26647312	2.3916655	21	3 22.4	20.0
285591 2000 QU_{105}	16.7	X	181.21443	312.74209	106.68392	7.98502	0.2800912	0.26525852	2.3989608	21	5 15.0	21.1
285592 2000 QY_{111}	17.5	X	293.59486	45.77345	286.56048	1.33415	0.2270735	0.27415456	2.3467801	21	5 2.9	20.6
285593 2000 QU_{113}	16.9	X	343.52934	45.38533	351.68272	3.71162	0.2644792	0.23808028	2.5782227	21	12 2.5	18.7
285594 2000 QC_{114}	17.2	X	1.11052	210.76715	154.61174	10.52405	0.2995992	0.28534753	2.2850023	21	12 19.0	19.4
285595 2000 QW_{124}	17.4	X	281.55128	241.20385	62.67300	2.26951	0.1914687	0.27071740	2.3666022	21	3 18.6	20.6
285596 2000 QM_{131}	16.3	X	220.91939	205.92504	153.82399	14.77845	0.2108656	0.22063799	2.7123716	21	4 6.9	21.0
285597 2000 QL_{136}	17.3	X	282.49832	321.59707	25.15234	5.76878	0.2445960	0.27446615	2.3450036	21	5 6.3	20.4
285598 2000 QH_{146}	17.4	X	170.21807	185.74475	122.73562	5.50380	0.1964813	0.30194890	2.2004614	21	—	—
285599 2000 QQ_{156}	16.7	X	185.80797	159.14214	235.12347	7.20267	0.2075288	0.26620205	2.3932888	21	4 11.7	20.7
285600 2000 QZ_{160}	17.1	X	150.39048	33.86146	259.13395	5.20533	0.1395421	0.29867311	2.2165216	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285601 2000 QT_{161}	15.9	X	13.16215	349.91579	299.32667	13.62437	0.1186951	0.23388371	2.6089719	21	8 6.6	18.7
285602 2000 QG_{163}	16.8	X	248.19875	160.23214	223.33052	7.22993	0.2938399	0.27371154	2.3493117	21	5 17.6	20.6
285603 2000 QF_{165}	15.5	X	282.29276	195.64681	176.73967	16.19886	0.2988748	0.18144558	3.0900947	21	6 8.2	20.4
285604 2000 QC_{168}	17.2	X	341.90661	57.23285	275.19452	3.95548	0.1564650	0.28025391	2.3126057	21	8 15.2	18.9
285605 2000 QO_{174}	15.7	X	296.77212	196.73572	180.65733	11.65572	0.2504179	0.18411041	3.0602048	21	7 7.3	19.9
285606 2000 QD_{178}	15.8	X	31.13998	155.73282	167.99771	15.62175	0.2589223	0.19307787	2.9647020	21	11 14.5	19.7
285607 2000 QZ_{187}	17.2	X	326.87810	320.05029	8.40205	5.67440	0.2609064	0.27875126	2.3209092	21	6 17.7	19.0
285608 2000 QS_{204}	17.1	X	186.60431	93.95220	323.28346	4.08494	0.2220037	0.26763272	2.3847521	21	5 11.7	21.2
285609 2000 QE_{208}	15.5	X	272.12110	1.13503	357.73986	11.35091	0.2405963	0.17833625	3.1259087	21	5 14.0	20.5
285610 2000 QD_{213}	16.7	X	223.37902	231.48065	149.41447	6.64463	0.1353819	0.26949632	2.3737455	21	5 3.9	20.4
285611 2000 QP_{216}	17.6	X	109.78246	345.31165	11.55264	2.49573	0.1966874	0.29902227	2.2147958	21	—	—
285612 2000 QT_{216}	17.0	X	234.62672	292.05672	87.38471	2.25316	0.1985774	0.27023989	2.3693892	21	5 7.5	20.6
285613 2000 QC_{230}	16.8	X	246.76244	309.15365	41.12285	5.06284	0.2712022	0.26887900	2.3773774	21	4 7.3	20.7
285614 2000 QB_{231}	15.7	X	250.14924	201.92868	186.74856	12.37420	0.1476306	0.17852293	3.1237292	21	6 11.9	20.7
285615 2000 QB_{233}	16.7	X	239.99435	115.08060	313.02742	4.60763	0.0936970	0.23117281	2.6293287	21	7 27.3	20.3
285616 2000 QD_{247}	18.0	X	94.40257	171.50301	140.78054	5.35267	0.2069308	0.29350124	2.2424844	21	—	—
285617 2000 RC_{8}	15.9	X	308.94653	46.65505	328.15476	31.61470	0.2129546	0.23248811	2.6194024	21	8 9.6	18.8
285618 2000 RN_{8}	16.2	X	198.22702	95.36398	341.42997	22.13681	0.3936026	0.26789138	2.3832168	21	6 13.3	21.3
285619 2000 RA_{17}	15.6	X	299.74309	131.53232	204.19137	12.43155	0.3024603	0.18146690	3.0898527	21	5 12.5	19.9
285620 2000 RJ_{17}	17.5	X	44.25349	66.20125	296.85105	7.08824	0.1952354	0.29107834	2.2549112	21	—	—
285621 2000 RZ_{17}	15.3	X	290.36759	28.04223	318.69298	9.95956	0.2759605	0.18064032	3.0992712	21	5 14.7	20.0
285622 2000 RK_{21}	17.4	X	226.08004	99.62456	262.59305	4.03637	0.2393577	0.26715632	2.3875863	21	4 4.3	21.6
285623 2000 RD_{24}	17.3	X	347.36446	274.77319	69.52975	3.71879	0.2034360	0.28147717	2.3059007	21	9 25.1	18.7
285624 2000 RT_{25}	17.1	X	158.60922	84.59333	283.79491	3.07216	0.2294364	0.25850712	2.4405500	21	2 18.1	20.9
285625 2000 RD_{34}	17.7	X	154.91250	132.25372	308.93838	6.93718	0.3475812	0.35839503	1.9628844	21	5 18.5	21.1
285626 2000 RX_{36}	17.2	X	233.60145	178.70872	161.27261	23.43862	0.0608719	0.36278610	1.9470135	21	3 12.0	19.3
285627 2000 RX_{53}	15.3	X	208.35212	160.16257	201.35101	14.04243	0.2239221	0.17192174	3.2031862	21	3 28.8	20.8
285628 2000 RA_{63}	16.2	X	296.22823	1.82447	342.61463	12.94712	0.2977232	0.22967106	2.6407779	21	5 10.6	20.1
285629 2000 RS_{74}	15.7	X	259.45958	342.56911	322.58605	12.77315	0.1666496	0.21913598	2.7247516	21	3 2.3	20.1
285630 2000 RP_{82}	16.3	X	319.96777	100.10023	268.41242	9.37984	0.1719438	0.23279181	2.6171237	21	8 16.0	19.1
285631 2000 RB_{84}	16.7	X	251.85867	171.32817	209.40271	5.90618	0.2935481	0.27359639	2.3499708	21	5 17.3	20.5
285632 2000 RJ_{85}	15.4	X	270.11030	24.40847	340.87190	9.02631	0.2177633	0.17994395	3.1072620	21	5 23.9	20.3
285633 2000 RH_{88}	15.4	X	225.02040	169.20509	159.61636	27.21526	0.1358951	0.17267927	3.1938113	21	3 9.2	20.5
285634 2000 RJ_{89}	16.7	X	18.21700	7.88536	271.30803	5.87768	0.1359976	0.27865189	2.3214610	21	8 5.7	18.7
285635 2000 RS_{92}	15.3	X	291.65219	338.60590	354.72413	17.66844	0.2136621	0.17847885	3.1242435	21	5 3.9	20.1
285636 2000 SA	17.0	X	232.33757	112.22819	246.16215	1.66643	0.2456735	0.26760300	2.3849287	21	4 5.5	21.2
285637 2000 SS_{4}	17.2	X	192.27551	353.19491	14.40305	20.00586	0.0912186	0.35896805	1.9607950	21	3 9.0	19.8
285638 2000 SO_{10}	17.5	X	141.49313	204.00661	356.42678	36.96654	0.5402814	0.66532291	1.2995143	21	10 8.9	20.2
285639 2000 SW_{10}	16.9	X	11.90899	202.34928	122.10904	6.50769	0.1916189	0.28176172	2.3043480	21	10 20.0	19.0
285640 2000 SA_{16}	15.8	X	233.29589	35.95244	347.61283	14.73280	0.1961992	0.17540293	3.1606627	21	5 10.2	21.2
285641 2000 SN_{16}	17.5	X	145.18024	111.92265	240.91707	2.61145	0.1527301	0.30288061	2.1959464	21	—	—
285642 2000 SS_{16}	17.5	X	266.22243	34.70038	284.40915	1.98941	0.2390682	0.26898317	2.3767635	21	3 16.1	21.4
285643 2000 SC_{18}	15.8	X	283.55870	26.12502	343.14352	18.26989	0.1851513	0.18017236	3.1046353	21	6 21.3	20.5
285644 2000 ST_{18}	16.5	X	235.31627	56.01369	299.26382	8.05437	0.2036656	0.22033192	2.7148829	21	4 6.1	21.1
285645 2000 SQ_{19}	17.6	X	26.57329	83.55739	300.42713	5.32646	0.2331354	0.28941662	2.2635342	21	—	—
285646 2000 SN_{24}	17.1	X	251.46926	148.02639	227.11958	19.08468	0.1015708	0.36603221	1.9354852	21	5 23.5	19.2
285647 2000 SE_{26}	17.8	X	352.56593	137.80212	232.16346	2.91383	0.2542750	0.28522148	2.2856755	21	11 28.3	19.2
285648 2000 SK_{27}	12.8	X	291.79364	135.68643	197.99511	16.67729	0.1262494	0.08326689	5.1938313	21	5 30.5	19.7
285649 2000 SW_{33}	16.0	X	186.57974	298.71459	27.00013	7.76702	0.2187874	0.21099701	2.7943782	21	1 30.6	20.8
285650 2000 SS_{34}	17.1	X	181.37730	236.48164	172.84238	5.26932	0.2304106	0.26554155	2.3972559	21	4 30.6	21.1
285651 2000 SR_{35}	15.8	X	16.99276	319.20362	5.58744	14.25841	0.2484089	0.18948423	3.0020690	21	10 13.9	19.0
285652 2000 SS_{36}	16.8	X	184.65804	21.44419	7.26339	6.77611	0.1426319	0.26430185	2.4047462	21	4 3.0	20.5
285653 2000 SE_{41}	16.8	X	217.18686	278.01893	67.51216	3.38662	0.2097020	0.26408127	2.4060851	21	3 12.2	20.8
285654 2000 SX_{43}	16.9	X	265.69845	288.59352	327.54705	17.03640	0.0625632	0.35323040	1.9819712	21	—	—
285655 2000 SK_{44}	17.2	X	292.47007	225.74619	231.82175	20.13881	0.0401565	0.38194692	1.8813404	21	12 26.1	19.1
285656 2000 SD_{48}	16.9	X	272.06169	120.22216	202.43490	12.34929	0.2815287	0.22374724	2.6871852	21	3 25.7	21.4
285657 2000 SQ_{48}	15.2	X	274.00342	177.83298	184.64106	17.43547	0.1983662	0.17977935	3.1091583	21	5 31.1	20.1
285658 2000 SY_{48}	13.0	X	298.88064	342.14877	333.57962	20.50291	0.1255481	0.08333329	5.1910717	21	5 10.4	20.0
285659 2000 SL_{54}	17.3	X	163.54669	100.99634	313.96319	1.60859	0.1908424	0.26396442	2.4067951	21	4 18.5	21.0
285660 2000 SZ_{61}	18.1	X	357.10843	141.27554	181.25051	7.89035	0.2763770	0.28111999	2.3078534	21	9 17.6	18.9
285661 2000 SO_{65}	16.9	X	286.88339	319.21532	18.95328	7.18552	0.1402984	0.27245571	2.3565253	21	5 14.7	20.0
285662 2000 SA_{69}	15.6	X	232.94519	66.03945	11.81565	14.23046	0.2142651	0.17839951	3.1251698	21	7 22.9	20.9
285663 2000 SY_{77}	17.1	X	236.03487	56.86785	0.64160	3.08544	0.1645523	0.27363575	2.3497455	21	6 30.9	20.5
285664 2000 SP_{80}	17.2	X	10.18282	170.44035	161.26037	6.35740	0.2190340	0.28280228	2.2986920	21	10 31.7	19.2
285665 2000 SQ_{81}	17.8	X	273.79005	354.24870	32.66627	2.69041	0.2214305	0.27490432	2.3425112	21	6 24.8	21.0
285666 2000 SM_{92}	15.4	X	270.29144	166.07034	209.49040	17.34806	0.2268946	0.18010667	3.1053903	21	6 7.1	20.3
285667 2000 SJ_{97}	17.2	X	276.96665	59.97225	229.98062	4.46053	0.2226133	0.26722301	2.3871891	21	2 18.4	20.9
285668 2000 SV_{102}	17.3	X	221.48793	5.81173	350.33430	2.22677	0.2037170	0.26549008	2.3975657	21	3 26.7	21.4
285669 2000 SF_{106}	17.3	X	22.59483	145.11418	207.03373	2.27558	0.2088211	0.28629424	2.2799622	21	12 18.4	19.8
285670 2000 SE_{114}	16.9	X	170.43628	214.31466	185.64486	9.58765	0.2013989	0.26203797	2.4185769	21	4 8.1	20.7
285671 2000 SY_{118}	16.5	X	275.56358	8.12846	29.49106	8.64722	0.2961661	0.22742192	2.6581603	21	7 1.8	20.5
285672 2000 SD_{126}	16.3	X	4.66581	134.80307	188.89062	12.58178	0.2004532	0.23342204	2.6124108	21	9 19.9	18.7
285673 2000 SG_{132}	15.7	X	273.45564	100.05953	224.36587	23.21050	0.2779013	0.17608351	3.1525133	21	3 31.8	21.0
285674 2000 ST_{133}	17.1	X	72.50180	147.47943	255.93266	6.22067	0.0954890	0.29854451	2.2171581	21	—	—
285675 2000 SX_{134}	15.1	X	240.79451	141.70674	241.68758	9.70325	0.1065968	0.17645602	3.1480749	21	5 30.3	19.8
285676 2000 SQ_{136}	17.1	X	273.41772	133.88843	236.67616	5.43133	0.1290845	0.27360706	2.3499098	21	6 15.2	19.9
285677 2000 SS_{136}	17.7	X	122.61927	75.02967	242.28925	3.97783	0.2196012	0.29645017	2.2275882	21	—	—
285678 2000 SQ_{141}	16.8	X	179.60861	91.69142	313.65678	3.20709	0.2127104	0.26381568	2.4076996	21	4 20.8	20.8
285679 2000 SL_{142}	16.6	X	224.04748	141.29922	205.88050	9.89017	0.2472933	0.26466229	2.4025624	21	3 15.1	20.9
285680 2000 SX_{143}	15.7	X	299.76166	113.18483	299.04173	9.48490	0.1049246	0.18624607	3.0367658	21	9 14.9	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285681 2000 SY_{143}	15.8	X	246.98522	141.60826	226.75001	16.77609	0.2371550	0.17498949	3.1656392	21	5 6.3	20.8
285682 2000 SH_{145}	17.5	X	213.33139	115.33947	258.10709	1.34291	0.2573412	0.26544743	2.3978225	21	4 9.2	21.6
285683 2000 SR_{151}	15.9	X	243.18914	191.27639	198.15171	15.55631	0.2780197	0.17508454	3.1644933	21	5 26.3	21.4
285684 2000 SR_{152}	16.8	X	246.29112	147.06126	197.26363	5.00414	0.2170789	0.26670734	2.3902651	21	4 1.6	20.7
285685 2000 SW_{156}	15.4	X	258.22924	141.70589	232.57380	12.50425	0.1634836	0.17774330	3.1328569	21	5 31.5	20.2
285686 2000 SV_{162}	17.1	X	184.92236	96.01843	302.43992	3.04412	0.1793724	0.26359784	2.4090260	21	4 15.8	21.1
285687 2000 SM_{163}	17.4	X	9.52374	89.66142	310.69802	3.84115	0.1963614	0.24026365	2.5625794	21	—	—
285688 2000 SS_{163}	17.4	X	209.99761	305.56984	0.60702	18.16899	0.0713057	0.35342637	1.9812384	21	—	—
285689 2000 SM_{164}	16.9	X	302.00080	47.55019	19.65748	25.16293	0.1889453	0.28336336	2.2956566	21	10 17.9	18.7
285690 2000 SW_{184}	16.6	X	205.92557	3.71232	311.28072	10.83816	0.2642860	0.26051546	2.4279908	21	1 25.9	21.0
285691 2000 SB_{186}	17.7	X	255.46032	163.92882	210.03962	0.76467	0.2022042	0.27155141	2.3617541	21	5 19.9	21.1
285692 2000 ST_{186}	17.2	X	117.10954	20.29389	273.10019	5.64108	0.2386692	0.29395520	2.2401750	21	—	—
285693 2000 SN_{192}	15.8	X	312.45212	246.85354	189.97358	12.36486	0.0881513	0.19172395	2.9786431	21	11 14.4	19.6
285694 2000 SV_{193}	16.8	X	223.23425	218.61139	173.65238	9.12447	0.2497021	0.22228152	2.6989850	21	5 14.8	21.6
285695 2000 SH_{194}	17.3	X	163.00435	64.73449	349.37176	1.83844	0.2271028	0.26379873	2.4078028	21	4 19.3	21.2
285696 2000 SQ_{194}	17.7	X	120.08957	286.23089	6.65452	9.43985	0.2465724	0.29500771	2.2348436	21	—	—
285697 2000 SZ_{194}	17.2	X	274.03138	249.39066	167.29869	2.78705	0.1611192	0.27884585	2.3203843	21	8 16.8	19.7
285698 2000 SG_{200}	15.7	X	306.19910	290.20055	11.17138	18.85418	0.3070084	0.17860677	3.1227516	21	4 4.7	20.1
285699 2000 SN_{201}	16.1	X	312.25110	328.82390	41.11979	1.43855	0.1626317	0.18385071	3.0630859	21	8 6.8	19.6
285700 2000 SF_{202}	16.3	X	197.90113	171.10417	170.99159	4.16017	0.1070452	0.21326908	2.7744961	21	2 21.8	20.6
285701 2000 SH_{204}	17.2	X	167.40515	343.40293	14.29309	2.81029	0.1936461	0.25804637	2.4434542	21	2 12.3	21.0
285702 2000 SS_{216}	16.6	X	264.70280	286.85362	74.89942	7.43604	0.1469561	0.27080563	2.3660881	21	5 20.9	19.8
285703 2000 ST_{223}	17.3	X	197.62491	12.06682	25.12983	5.63208	0.1982681	0.26570084	2.3962977	21	4 26.5	21.1
285704 2000 SK_{234}	16.1	X	192.69046	277.66992	67.12092	8.31255	0.2395200	0.21369249	2.7708299	21	2 27.6	21.0
285705 2000 SV_{237}	17.1	X	207.41618	276.61838	90.21926	5.93867	0.2409806	0.26407681	2.4061122	21	3 31.6	21.3
285706 2000 SJ_{238}	16.0	X	202.83097	35.31496	13.91192	7.69221	0.1926489	0.17322710	3.1870741	21	5 18.9	21.4
285707 2000 SJ_{240}	15.6	X	319.93553	153.43792	224.77540	31.98760	0.1680849	0.23254162	2.6190005	21	8 23.2	19.4
285708 2000 SH_{246}	17.3	X	338.32284	289.82469	101.87035	3.46722	0.1816699	0.28455821	2.2892258	21	11 20.5	18.9
285709 2000 SR_{248}	17.1	X	205.12253	253.72619	118.61320	3.54921	0.2043471	0.26510594	2.3998812	21	4 4.1	21.1
285710 2000 SB_{251}	16.7	X	298.49739	23.35290	20.56816	7.31774	0.0986477	0.28072223	2.3100330	21	9 20.9	19.1
285711 2000 SR_{256}	16.3	X	214.42995	197.17707	145.78541	6.73293	0.1482315	0.26219034	2.4176398	21	3 6.6	20.2
285712 2000 SX_{257}	15.4	X	248.23299	55.42251	13.64184	17.98990	0.1005053	0.17994948	3.1071984	21	8 12.9	20.2
285713 2000 SM_{258}	15.8	X	171.12460	342.91267	38.87043	14.29533	0.1224145	0.21258963	2.7804046	21	3 22.9	20.3
285714 2000 SN_{260}	17.3	X	236.15178	9.12896	50.16380	2.97304	0.2016972	0.27281109	2.3544783	21	6 29.7	20.8
285715 2000 SN_{261}	16.9	X	227.15817	264.39697	80.54604	2.33822	0.1934924	0.26427053	2.4049362	21	3 19.6	20.7
285716 2000 SW_{268}	16.7	X	233.86426	282.16449	74.55631	4.37374	0.2011625	0.26591353	2.3950197	21	4 9.4	20.5
285717 2000 SJ_{284}	16.1	X	235.22146	171.60815	222.89983	14.64150	0.2770775	0.17536519	3.1611161	21	5 25.4	21.6
285718 2000 SH_{289}	16.9	X	259.82504	127.81955	206.83411	6.86205	0.1141537	0.26841195	2.3801344	21	4 11.4	20.2
285719 2000 SD_{290}	17.3	X	207.30150	99.38586	312.05264	3.80501	0.2069404	0.26871791	2.3783274	21	5 22.4	21.3
285720 2000 SJ_{304}	15.3	X	227.87524	171.56950	241.41838	11.07197	0.1018993	0.17623308	3.1507293	21	6 21.9	20.2
285721 2000 SA_{306}	16.3	X	353.69059	93.99279	243.17307	10.21648	0.2095274	0.23337612	2.6127535	21	9 11.0	18.8
285722 2000 SJ_{308}	15.4	X	328.89593	116.91068	261.23040	10.70150	0.1263760	0.18498556	3.0505455	21	9 12.9	19.4
285723 2000 SS_{309}	15.2	X	288.44004	176.34865	182.04098	27.41812	0.1000835	0.17905477	3.1175406	21	6 24.8	20.1
285724 2000 SX_{314}	15.1	X	283.88263	135.97556	245.94659	16.19489	0.1227316	0.18112316	3.0937607	21	7 12.7	19.6
285725 2000 SC_{317}	16.7	X	304.44932	182.25760	235.64844	11.97685	0.2825991	0.23381088	2.6095137	21	9 9.1	19.5
285726 2000 SK_{317}	15.0	X	212.55490	83.00532	242.86579	16.28711	0.1637358	0.16792582	3.2538016	21	2 15.2	20.6
285727 2000 SJ_{322}	17.0	X	261.65054	247.33390	186.89846	6.95848	0.0775741	0.28041877	2.3116992	21	9 6.6	19.7
285728 2000 SO_{325}	17.5	X	193.08862	0.29059	36.66978	2.75892	0.1888690	0.26585159	2.3953917	21	4 22.8	21.4
285729 2000 SR_{328}	15.1	X	130.98161	288.70470	216.44214	8.44468	0.0091388	0.17736941	3.1372580	21	6 26.6	19.6
285730 2000 SJ_{335}	16.7	X	231.51705	356.23468	316.79257	7.83225	0.1420830	0.26256958	2.4153113	21	2 12.1	20.5
285731 2000 SV_{338}	15.9	X	242.28223	19.32203	16.96917	14.78654	0.0442597	0.22583772	2.6705767	21	6 22.7	19.9
285732 2000 SU_{345}	17.8	X	157.07081	283.41704	356.08575	7.35158	0.2568896	0.29784670	2.2206197	21	—	—
285733 2000 SW_{361}	17.4	X	356.63607	256.05875	32.27097	6.27253	0.2821109	0.27858022	2.3218591	21	7 4.0	18.3
285734 2000 SW_{365}	15.5	X	319.26775	274.48328	36.40219	15.04819	0.3598556	0.18109012	3.0941371	21	4 26.9	19.0
285735 2000 SW_{375}	15.9	X	4.08805	285.54269	94.22603	10.98433	0.0965937	0.19105252	2.9856177	21	11 21.2	19.7
285736 2000 TV_{2}	15.9	X	274.50770	209.72922	178.18110	16.48194	0.1828097	0.18162660	3.0880411	21	7 2.4	20.7
285737 2000 TV_{7}	16.6	X	8.48493	322.31386	59.09811	0.51618	0.2026222	0.19159334	2.9799967	21	12 10.1	20.0
285738 2000 TH_{8}	16.3	X	210.31839	256.72900	188.98338	8.27419	0.3192815	0.17492348	3.1664355	21	7 3.6	22.2
285739 2000 TP_{14}	17.4	X	181.63685	297.17444	24.19941	5.04475	0.2042984	0.30356813	2.1926296	21	1 5.1	20.7
285740 2000 TQ_{15}	17.4	X	187.74209	11.69341	15.14804	2.60301	0.2082764	0.26279499	2.4139299	21	4 6.0	21.1
285741 2000 TH_{23}	15.1	X	242.58065	175.82961	190.66979	10.09424	0.0543567	0.17323491	3.1869783	21	5 18.2	19.8
285742 2000 TL_{23}	15.7	X	263.60363	175.23897	193.36848	16.02096	0.1420148	0.17642340	3.1484630	21	6 2.8	20.6
285743 2000 TO_{23}	16.5	X	71.44101	272.32830	21.07515	12.67592	0.1778766	0.23851023	2.5751234	21	11 15.1	20.3
285744 2000 TG_{31}	17.2	X	267.57856	207.20209	90.71632	3.82992	0.2317226	0.26663607	2.3906910	21	2 22.6	21.1
285745 2000 TP_{31}	16.9	X	315.89093	305.90852	248.56098	4.44300	0.1333274	0.25581046	2.4576716	21	—	—
285746 2000 TH_{38}	15.8	X	275.16971	325.71507	43.58748	8.36544	0.2951756	0.18006882	3.1058254	21	5 26.1	20.5
285747 2000 TY_{38}	16.9	X	235.20383	261.62067	79.54021	6.17832	0.2658966	0.26706573	2.3881262	21	3 20.9	21.1
285748 2000 TN_{41}	16.3	X	329.19089	337.94030	72.41125	1.29956	0.2477018	0.18928151	3.0042120	21	10 29.1	18.9
285749 2000 TZ_{42}	15.5	X	274.50096	177.94771	152.01258	15.64488	0.1997575	0.17656571	3.1467710	21	4 24.6	20.5
285750 2000 TG_{43}	15.7	X	230.69486	311.17162	40.10112	14.12787	0.2076145	0.21915207	2.7246182	21	4 5.6	20.4
285751 2000 TG_{56}	15.9	X	356.59103	290.77923	37.07234	15.50505	0.1393209	0.23129424	2.6284084	21	9 14.6	18.9
285752 2000 TR_{57}	16.6	X	161.41694	354.05895	34.74275	7.20147	0.1030881	0.26117920	2.4238756	21	3 11.3	20.0
285753 2000 UE_{1}	15.4	X	246.45168	299.13623	61.76887	15.52093	0.2144686	0.17310625	3.1885572	21	5 2.2	20.6
285754 2000 UO_{3}	16.8	X	247.41071	249.41363	59.68689	3.04854	0.2384863	0.26353509	2.4094084	21	2 19.3	20.8
285755 2000 UH_{4}	15.5	X	249.42547	337.17605	57.82002	11.18409	0.2711210	0.17608296	3.1525199	21	6 5.6	20.6
285756 2000 UF_{14}	16.5	X	36.71882	154.10710	222.65424	29.06151	0.1540911	0.24107687	2.5568133	21	—	—
285757 2000 UW_{17}	16.4	X	91.14491	244.90557	166.53625	7.25706	0.1436577	0.25120238	2.4876363	21	1 12.1	19.2
285758 2000 UM_{18}	15.9	X	246.41722	297.84516	40.77342	13.08924	0.1929771	0.21741233	2.7391340	21	4 4.7	20.4
285759 2000 UB_{22}	16.6	X	227.24917	176.99878	160.60945	4.21033	0.1998434	0.26268497	2.4146039	21	3 9.7	20.4
285760 2000 UE_{24}	15.9	X	294.25407	269.25564	87.57263	6.28718	0.3084661	0.22670401	2.6637692	21	5 29.1	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285761 2000 UE_{25}	16.9	X	208.05640	328.60184	123.81031	3.70351	0.1744311	0.27034093	2.3687988	21	7 17.7	20.5
285762 2000 UE_{28}	15.7	X	275.34672	166.92599	210.81678	17.31133	0.2046178	0.17888133	3.1195555	21	6 17.4	20.5
285763 2000 UH_{31}	17.5	X	137.71118	100.95756	64.93554	3.38809	0.1070319	0.27231909	2.3573134	21	8 14.2	20.8
285764 2000 UJ_{32}	16.5	X	195.37780	318.18461	59.84072	5.80426	0.0857530	0.21456450	2.7633176	21	4 6.5	20.6
285765 2000 UA_{42}	15.0	X	243.03885	198.88867	218.32127	14.83236	0.2665311	0.17570460	3.1570439	21	6 26.5	20.4
285766 2000 UG_{50}	16.2	X	168.30047	320.37142	65.22702	9.63519	0.2865826	0.21114155	2.7931027	21	3 31.6	21.3
285767 2000 UW_{50}	17.4	X	171.40741	229.36237	159.89410	2.74608	0.2004585	0.26000004	2.4311986	21	3 26.5	21.4
285768 2000 UP_{61}	16.7	X	285.74526	162.15320	244.24792	6.75829	0.1080471	0.27706798	2.3302999	21	8 25.8	19.4
285769 2000 UO_{64}	17.1	X	170.67337	111.11369	276.83261	3.48039	0.1899156	0.26073728	2.4266136	21	3 21.1	21.0
285770 2000 UA_{68}	15.6	X	352.78177	174.54526	240.69076	10.35569	0.0369984	0.19177625	2.9781016	21	12 12.7	19.5
285771 2000 UH_{74}	15.4	X	262.41868	282.63327	111.04648	17.09976	0.2484353	0.17717553	3.1395463	21	6 20.2	20.4
285772 2000 UE_{82}	15.3	X	247.52379	116.06319	263.49807	5.07214	0.1331868	0.17346055	3.1842139	21	5 29.8	20.1
285773 2000 UW_{82}	17.3	X	222.54413	322.89091	42.89759	3.16748	0.2008787	0.26609532	2.3939288	21	4 9.6	21.1
285774 2000 UF_{84}	15.9	X	260.56797	306.52700	44.12457	9.77654	0.0642251	0.22002064	2.7174430	21	5 13.3	19.7
285775 2000 UC_{88}	15.5	X	265.20033	318.00664	51.86687	10.25552	0.0992539	0.17510890	3.1641998	21	6 9.9	20.1
285776 2000 UV_{92}	16.9	X	204.97465	40.23434	335.10482	3.01098	0.1517245	0.26383638	2.4075737	21	4 5.1	20.8
285777 2000 UW_{101}	17.0	X	144.39285	95.44231	326.94038	4.47334	0.1552306	0.25947266	2.4344918	21	4 5.3	20.7
285778 2000 UN_{105}	15.4	X	252.69804	334.96335	80.00660	10.75190	0.2066555	0.17797562	3.1301300	21	7 10.5	20.3
285779 2000 VH_{54}	16.1	X	306.18923	171.44101	245.09353	12.99240	0.2233231	0.23157660	2.6262714	21	9 20.1	19.1
285780 2000 VB_{61}	15.7	X	259.48588	295.15495	67.28650	2.25394	0.2004472	0.17422421	3.1749024	21	5 14.4	20.7
285781 2000 WW_{9}	15.5	X	310.00999	274.77762	91.84125	17.02593	0.2338509	0.17869860	3.1216816	21	7 18.1	19.3
285782 2000 WQ_{11}	15.2	X	293.25762	290.07663	35.45484	10.90646	0.0596692	0.17567858	3.1573557	21	5 24.6	19.7
285783 2000 WT_{21}	16.3	X	209.70807	277.95963	100.90657	8.39219	0.2552742	0.26573459	2.3960948	21	4 17.7	20.6
285784 2000 WW_{29}	17.3	X	211.14943	334.52841	69.19383	1.96009	0.2038321	0.26693747	2.3888911	21	5 17.1	21.0
285785 2000 WP_{43}	15.0	X	237.11120	212.08799	197.65965	6.16456	0.2913341	0.12579782	3.9447605	21	6 13.6	21.6
285786 2000 WR_{64}	17.9	X	97.25600	282.64434	44.61127	2.13790	0.2780387	0.29234027	2.2484175	21	—	—
285787 2000 WF_{70}	17.0	X	175.51556	88.53731	317.46300	5.87883	0.1033638	0.26197285	2.4189777	21	4 11.9	20.6
285788 2000 WE_{73}	15.8	X	359.16542	349.17796	16.51387	5.61876	0.2439240	0.18690097	3.0296679	21	11 3.4	18.6
285789 2000 WR_{95}	16.6	X	202.06915	221.51524	256.56732	5.92495	0.0626008	0.27082965	2.3659483	21	8 19.6	19.9
285790 2000 WS_{101}	15.2	X	359.57371	293.83425	67.62757	23.42527	0.1306506	0.18401812	3.0612279	21	10 29.9	19.1
285791 2000 WN_{141}	14.8	X	222.30805	218.96745	291.63054	27.61712	0.3127843	0.17806605	3.1290701	21	9 10.5	20.8
285792 2000 WB_{150}	16.5	X	291.46531	286.24211	29.57652	7.52413	0.0462345	0.21986247	2.7187461	21	5 9.4	20.1
285793 2000 WC_{150}	16.3	X	162.74610	348.53302	24.96727	5.08450	0.0458311	0.20988202	2.8042661	21	2 22.4	20.3
285794 2000 WH_{155}	16.8	X	278.06731	31.16168	328.23490	5.93367	0.2006294	0.27088713	2.3656136	21	5 24.2	20.2
285795 2000 WK_{162}	17.5	X	335.76957	163.43067	267.65987	3.55788	0.1548247	0.28515350	2.2860387	21	—	—
285796 2000 WG_{181}	17.4	X	149.68191	253.74621	119.76139	7.00548	0.1678638	0.30225671	2.1989672	21	2 4.5	20.3
285797 2000 WN_{193}	17.8	X	195.98690	281.01448	325.16923	4.59601	0.1157640	0.29444601	2.2376849	21	—	—
285798 2000 WT_{197}	16.7	X	300.81580	162.71983	290.17152	10.55659	0.2407239	0.23313859	2.6145278	21	11 2.8	19.3
285799 2000 XW_{12}	15.3	X	279.33493	141.75885	286.01124	16.16804	0.1890652	0.17858763	3.1229747	21	8 21.4	19.9
285800 2000 XG_{19}	16.1	X	65.03683	187.27035	288.88190	11.05287	0.1525420	0.25307393	2.4753566	21	2 23.7	18.8
285801 2000 YE_{4}	16.6	X	209.56236	244.16739	90.35408	7.88731	0.2203547	0.25685342	2.4510141	21	2 22.8	20.9
285802 2000 YJ_{12}	17.0	X	336.83528	353.13926	82.05901	24.66902	0.1490538	0.28391064	2.2927055	21	—	—
285803 2000 YY_{22}	16.6	X	197.64529	108.86031	115.66151	12.29177	0.1682857	0.23172793	2.6251278	21	12 19.4	20.8
285804 2000 YE_{27}	16.6	X	151.87631	134.39859	282.50210	7.58237	0.2320558	0.25676609	2.4515698	21	4 10.8	20.7
285805 2000 YV_{27}	16.8	X	270.49877	313.04006	100.78967	4.18045	0.0874604	0.22058177	2.7128324	21	8 17.9	20.3
285806 2000 YV_{41}	15.5	X	272.00513	134.88213	282.03850	16.84415	0.0780436	0.22257411	2.6966192	21	8 16.9	19.4
285807 2000 YG_{60}	15.9	X	344.11290	246.73870	276.35964	4.15672	0.1812005	0.24284754	2.5443699	21	—	—
285808 2000 YO_{62}	17.1	X	293.14750	140.71063	297.18351	6.15048	0.2290113	0.27642541	2.3339099	21	10 6.1	19.2
285809 2000 YA_{74}	15.3	X	271.82655	161.94226	272.80527	8.83041	0.0887610	0.17873857	3.1212163	21	9 6.8	19.8
285810 2000 YR_{82}	17.5	X	1.18405	127.74716	259.46162	19.11706	0.1138092	0.37840975	1.8930460	21	—	—
285811 2000 YE_{98}	15.8	X	344.94330	196.50376	304.00326	14.21249	0.0564162	0.24070258	2.5594631	21	—	—
285812 2000 YM_{102}	17.3	X	323.13878	189.79660	279.19712	20.44360	0.0809220	0.37929625	1.8900952	21	—	—
285813 2000 YQ_{129}	17.9	X	299.38971	270.82457	194.65901	1.55549	0.1874511	0.28114697	2.3077058	21	12 16.3	19.4
285814 2000 YT_{135}	16.6	X	37.09134	359.80510	101.85647	9.13375	0.1502404	0.24452981	2.5326870	21	—	—
285815 2001 AJ_{12}	17.1	X	162.64169	169.90328	287.39203	1.83601	0.1454626	0.26099425	2.4250205	21	6 10.1	20.8
285816 2001 BV_{9}	17.4	X	285.35770	255.35066	135.36473	6.76018	0.1291004	0.26945482	2.3739892	21	8 1.2	20.1
285817 2001 BR_{18}	15.6	X	307.97503	187.25215	309.06312	10.70497	0.0786461	0.18812067	3.0165582	21	—	—
285818 2001 BZ_{39}	18.6	X	135.20033	197.28050	225.08073	8.83031	0.4213339	0.35169284	1.9877436	21	4 15.8	21.9
285819 2001 BB_{41}	17.0	X	235.35557	285.17350	157.86209	5.49428	0.1974433	0.26818571	2.3814728	21	7 30.1	20.6
285820 2001 BY_{56}	16.8	X	174.57216	327.57158	114.56171	3.55209	0.1449503	0.25964366	2.4334228	21	6 2.7	20.6
285821 2001 CB_{41}	15.7	X	189.78461	107.33656	68.23094	16.61604	0.1855370	0.22098938	2.7094956	21	10 18.7	20.4
285822 2001 CS_{47}	15.7	X	34.50930	54.36919	334.80970	11.98654	0.2500348	0.23676363	2.5877722	21	—	—
285823 2001 DP_{14}	15.2	X	72.18567	6.61190	335.80830	10.76268	0.1168598	0.18136219	3.0910418	21	—	—
285824 2001 DU_{25}	15.9	X	335.85662	337.13228	137.40331	9.72987	0.1949018	0.18768918	3.0211797	21	—	—
285825 2001 DA_{39}	16.3	X	227.50487	350.42557	151.19524	8.24124	0.1082952	0.22467622	2.6797728	21	10 17.0	20.2
285826 2001 DY_{41}	16.6	X	322.34672	148.46174	336.27968	3.37320	0.1361438	0.23461691	2.6035336	21	—	—
285827 2001 DK_{42}	17.0	X	212.43294	186.80495	322.85487	4.49098	0.1753933	0.27035247	2.3687314	21	10 3.4	20.4
285828 2001 DO_{42}	16.6	X	269.99390	175.48307	329.23007	6.31245	0.2094764	0.22954578	2.6417386	21	11 26.2	19.8
285829 2001 DL_{55}	17.1	X	50.44093	240.82546	137.79800	3.69915	0.2537702	0.28303110	2.2974529	21	—	—
285830 2001 DS_{62}	16.4	X	262.13249	112.81091	334.41118	5.00092	0.1313815	0.22208291	2.7005940	21	9 11.8	20.1
285831 2001 DF_{63}	17.7	X	283.83677	173.08624	323.64357	3.36424	0.1132914	0.27887904	2.3202002	21	—	—
285832 2001 DS_{77}	15.2	X	179.97760	244.76318	326.26140	15.61473	0.0465753	0.17844291	3.1246629	21	11 9.4	20.2
285833 2001 DX_{77}	16.7	X	163.34903	137.95141	132.51311	3.16811	0.1984494	0.23013739	2.6372093	21	—	—
285834 2001 DH_{83}	16.4	X	204.90581	73.35896	159.58283	11.91370	0.1296656	0.22839122	2.6506341	21	—	—
285835 2001 DW_{83}	15.0	X	354.15795	6.81726	237.15848	8.87948	0.0684877	0.15532335	3.4275059	21	5 7.0	19.4
285836 2001 ET_{18}	16.4	X	268.15938	207.48324	350.72892	9.96108	0.1708091	0.23355253	2.6114376	21	—	—
285837 2001 EZ_{22}	17.3	X	155.47995	148.54160	83.81893	2.28718	0.1450127	0.26913929	2.3758443	21	11 25.6	20.9
285838 2001 FA_{1}	17.9	X	320.77034	326.81384	175.74187	33.82337	0.3600126	0.38160358	1.8824687	21	—	—
285839 2001 FL_{35}	14.9	X	193.05428	268.54807	352.15767	22.43471	0.2279282	0.17965686	3.1105715	21	—	—
285840 2001 FP_{49}	17.0	X	282.89180	169.84458	355.97592	9.08187	0.0568568	0.27933427	2.3176787	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285841 2001 FD_{61}	16.0	X	260.19609	182.16928	11.14000	9.01973	0.1268918	0.23091651	2.6312739	21	—	—
285842 2001 FK_{85}	17.2	X	349.49078	267.69220	184.71100	10.59941	0.1599215	0.23082793	2.6319470	21	—	—
285843 2001 FM_{87}	17.0	X	168.94211	354.60773	158.08290	7.41896	0.1519881	0.26163183	2.4210792	21	8 28.3	20.7
285844 2001 FL_{89}	16.8	X	87.24276	320.61114	165.21351	6.38244	0.0339227	0.19965046	2.8992734	21	4 11.1	20.7
285845 2001 FP_{107}	16.2	X	291.68516	3.23726	177.11458	7.74068	0.1305682	0.23457289	2.6038592	21	—	—
285846 2001 FO_{108}	17.1	X	163.84014	163.57881	358.50666	3.47855	0.1579335	0.26300989	2.4126149	21	9 5.3	20.7
285847 2001 FJ_{110}	16.3	X	336.85322	314.08279	198.82354	14.31785	0.3914951	0.18897324	3.0074784	21	—	—
285848 2001 FS_{111}	16.2	X	181.59939	56.24936	180.65828	12.57028	0.1367704	0.22472230	2.6794065	21	12 19.6	20.6
285849 2001 FR_{118}	15.8	X	112.64706	226.12530	320.59272	12.52326	0.1382735	0.21079884	2.7961292	21	8 12.8	20.1
285850 2001 FU_{158}	16.3	X	172.19685	53.11038	186.89810	13.39312	0.2111964	0.22204644	2.7008896	21	12 11.3	21.1
285851 2001 FQ_{168}	16.4	X	274.96923	115.72338	28.74910	9.17169	0.1480145	0.22978402	2.6399123	21	12 13.7	19.5
285852 2001 FA_{179}	15.9	X	236.53865	103.27473	63.61836	13.14890	0.1157484	0.22485233	2.6783734	21	11 24.9	19.5
285853 2001 FG_{181}	17.2	X	139.06885	251.19756	61.95310	0.32926	0.1206411	0.22929566	2.6436594	21	—	—
285854 2001 FH_{190}	15.8	X	195.92201	233.75479	320.78714	12.02271	0.1132634	0.22241271	2.6979236	21	11 9.5	20.2
285855 2001 FO_{196}	17.2	X	209.55610	117.09182	153.23791	6.92371	0.3084865	0.22771078	2.6559119	21	—	—
285856 2001 FV_{196}	16.5	X	216.44750	129.56488	88.81429	7.20285	0.0935491	0.27535157	2.3399739	21	—	—
285857 2001 GD_{3}	16.3	X	123.59839	95.33033	148.36309	22.06076	0.2864740	0.26380553	2.4077614	21	11 19.3	21.1
285858 2001 GE_{10}	17.0	X	128.08116	139.57415	94.37401	5.87511	0.1878694	0.26456219	2.4031684	21	11 4.5	20.9
285859 2001 HZ_{14}	16.1	X	237.41892	283.59137	193.61350	24.64764	0.1615360	0.21906343	2.7253532	21	9 14.9	20.3
285860 2001 HB_{26}	15.6	X	202.07992	186.59948	56.94805	5.70163	0.1466973	0.17656546	3.1467740	21	—	—
285861 2001 HE_{40}	16.1	X	116.43966	205.78396	25.72423	8.92519	0.0548364	0.21319100	2.7751735	21	10 6.4	20.0
285862 2001 HM_{48}	15.3	X	211.30226	66.93054	166.26840	26.88388	0.1826724	0.17769708	3.1334001	21	—	—
285863 2001 HD_{58}	16.8	X	213.58804	137.98012	84.51689	9.38297	0.1429440	0.27477866	2.3432253	21	—	—
285864 2001 HN_{60}	17.2	X	281.19360	122.99488	97.72156	13.96239	0.2510283	0.23346041	2.6121246	21	—	—
285865 2001 JP_{7}	17.3	X	258.28070	231.77405	71.19239	8.42672	0.2467558	0.28652588	2.2787332	21	2 19.9	21.2
285866 2001 KV_{9}	15.2	X	280.60061	108.44176	65.81140	27.66498	0.2197931	0.17938009	3.1137702	21	—	—
285867 2001 KJ_{10}	16.3	X	91.21530	158.84763	81.16757	11.05336	0.1870226	0.25717753	2.4489544	21	10 11.7	20.1
285868 2001 KM_{15}	16.9	X	143.21670	205.18194	74.46278	13.15954	0.2481544	0.26776788	2.3839496	21	—	—
285869 2001 KK_{16}	16.6	X	254.95972	158.29404	82.35224	9.76188	0.2432094	0.23146000	2.6271533	21	—	—
285870 2001 KP_{31}	16.9	X	188.71552	141.36864	80.13562	23.94940	0.0462208	0.36588871	1.9359912	21	—	—
285871 2001 MJ_{21}	17.0	X	22.51924	208.68977	87.75874	9.02465	0.2219702	0.29918576	2.2139889	21	10 7.8	19.1
285872 2001 NR_{5}	17.5	X	26.00417	200.26962	104.07136	6.21277	0.2629991	0.30024903	2.2087588	21	10 31.5	19.7
285873 2001 NY_{7}	17.7	X	189.13428	149.89149	149.59433	0.46047	0.1649247	0.32218357	2.1073360	21	—	—
285874 2001 NK_{9}	16.2	X	226.37284	252.82728	135.74050	15.62578	0.2018377	0.23781403	2.5801467	21	5 17.6	20.7
285875 2001 OB_{1}	17.6	X	98.66396	183.94529	127.95693	6.48217	0.2323450	0.26148067	2.4220122	21	—	—
285876 2001 OM_{3}	16.9	X	6.20055	35.25315	335.57400	8.24157	0.0601236	0.30601881	2.1809078	21	11 28.3	19.4
285877 2001 OY_{15}	16.7	X	268.51289	336.66998	17.55188	4.60548	0.3162049	0.23822306	2.5771924	21	4 26.5	20.8
285878 2001 OP_{55}	16.4	X	135.95051	166.08488	183.68343	10.04339	0.2330079	0.21673461	2.7448411	21	1 11.6	20.7
285879 2001 OJ_{61}	16.3	X	18.99905	258.78193	91.44945	8.30485	0.3346055	0.20320829	2.8653330	21	12 11.5	19.6
285880 2001 OC_{76}	16.1	X	218.16823	248.81735	145.70987	11.94365	0.1849393	0.23573813	2.5952716	21	5 17.2	20.6
285881 2001 OO_{77}	16.5	X	320.16724	300.30558	29.03146	6.15669	0.2730937	0.24386740	2.5372712	21	6 2.9	19.2
285882 2001 OM_{95}	16.3	X	223.97599	180.87237	104.72354	8.16167	0.1765025	0.22706972	2.6609083	21	1 8.6	20.6
285883 2001 OR_{95}	15.6	X	68.14614	67.83183	247.48529	7.96260	0.1528728	0.20917489	2.8105826	21	12 4.0	19.5
285884 2001 PN_{1}	16.2	X	122.74275	262.51812	107.19827	10.24616	0.2106859	0.21921746	2.7240764	21	1 20.4	20.0
285885 2001 PN_{4}	15.8	X	116.61615	184.48086	257.62978	21.17103	0.0518618	0.22818324	2.6522444	21	3 10.0	19.9
285886 2001 PX_{7}	16.4	X	100.65414	260.81484	85.08716	8.44241	0.2390862	0.21350875	2.7724194	21	—	—
285887 2001 PH_{19}	16.7	X	245.50968	344.13201	32.48535	5.70067	0.2157532	0.23774275	2.5806624	21	5 13.0	20.9
285888 2001 PO_{29}	16.5	X	230.18090	84.91658	272.90979	4.32788	0.2918816	0.23170353	2.6253121	21	4 2.4	21.3
285889 2001 PZ_{33}	16.2	X	255.98030	2.83540	9.90860	10.98276	0.1784158	0.23813747	2.5778099	21	5 19.6	20.2
285890 2001 PQ_{55}	17.1	X	128.17091	241.37922	137.86926	2.86507	0.1663890	0.27125637	2.3634663	21	1 21.9	20.0
285891 2001 PC_{58}	16.0	X	281.05332	352.03407	9.99211	12.23298	0.0665703	0.24043095	2.5613905	21	6 24.7	19.6
285892 2001 QZ_{12}	17.7	X	15.61752	170.60091	157.30024	8.75417	0.2327977	0.29907560	2.2145325	21	11 12.3	19.9
285893 2001 QT_{15}	16.5	X	20.91957	321.92712	1.57113	5.36298	0.2120516	0.29989945	2.2104750	21	11 6.2	18.6
285894 2001 QV_{25}	16.5	X	351.73357	338.97543	14.85031	8.01265	0.2342797	0.29709157	2.2243809	21	10 27.4	17.7
285895 2001 QC_{37}	16.3	X	110.89684	354.84587	319.76794	7.49992	0.2115723	0.21340357	2.7733303	21	—	—
285896 2001 QX_{45}	17.4	X	165.56945	171.67936	144.39402	7.30323	0.2140002	0.26999067	2.3708471	21	—	—
285897 2001 QK_{49}	17.7	X	340.39503	234.69015	128.97276	2.83631	0.2289982	0.29788938	2.2204076	21	10 16.4	18.6
285898 2001 QV_{64}	15.8	X	92.76826	353.45857	354.79202	19.64244	0.2173265	0.21094474	2.7948398	21	—	—
285899 2001 QQ_{80}	17.6	X	270.73133	29.56222	336.71356	19.75559	0.0834675	0.38626635	1.8672887	21	6 5.4	20.0
285900 2001 QH_{86}	16.5	X	315.78566	276.97617	76.51234	14.17009	0.2531621	0.24269075	2.5454656	21	7 6.8	19.0
285901 2001 QL_{88}	16.7	X	166.22199	237.24554	158.72014	2.21394	0.2332118	0.22771793	2.6558562	21	4 3.7	21.2
285902 2001 QS_{99}	16.4	X	159.02668	291.80724	125.09732	23.45560	0.2933257	0.27997267	2.3141542	21	5 2.8	20.9
285903 2001 QK_{102}	16.6	X	225.39013	179.60639	128.85093	15.06582	0.2339619	0.22886446	2.6469789	21	2 4.7	21.3
285904 2001 QH_{103}	17.1	X	293.37663	218.23675	139.52402	6.02241	0.3092863	0.24186308	2.5512695	21	5 29.2	20.6
285905 2001 QC_{122}	16.9	X	284.11691	304.51406	19.44924	3.78116	0.2166529	0.23736681	2.5833865	21	4 15.3	20.7
285906 2001 QQ_{123}	16.6	X	259.56677	332.85943	343.81113	13.12892	0.1932751	0.23294183	2.6159999	21	3 13.9	20.8
285907 2001 QX_{126}	16.5	X	282.73303	84.72121	205.39694	7.24108	0.1813762	0.23407316	2.6075639	21	3 4.7	20.5
285908 2001 QD_{131}	16.9	X	308.42998	98.30054	278.55474	4.86524	0.1710871	0.29461755	2.2368163	21	8 13.8	18.9
285909 2001 QF_{143}	16.6	X	64.75241	112.65926	203.45516	1.44896	0.0696777	0.20438165	2.8543558	21	11 19.5	20.6
285910 2001 QX_{148}	14.8	X	173.43331	287.50281	41.51282	3.41605	0.2084270	0.12399047	3.9830020	21	2 1.7	21.3
285911 2001 QN_{150}	16.3	X	189.67016	107.22869	277.46182	24.99684	0.1823763	0.22981681	2.6396612	21	3 24.9	21.3
285912 2001 QD_{155}	16.5	X	247.34765	130.78701	219.86293	4.28625	0.2394122	0.23413665	2.6070925	21	4 10.9	20.8
285913 2001 QQ_{156}	16.8	X	261.61758	29.33776	260.85658	2.68081	0.3019874	0.23120847	2.6290583	21	2 5.7	21.3
285914 2001 QP_{161}	16.5	X	263.06603	311.47680	13.33296	3.06522	0.2295277	0.23384879	2.6092316	21	3 25.8	20.8
285915 2001 QE_{164}	16.1	X	276.33463	7.01359	35.62107	9.39552	0.2918854	0.24354852	2.5394854	21	7 10.8	19.8
285916 2001 QT_{168}	16.1	X	80.32056	344.49148	349.96995	8.74478	0.2291390	0.21082443	2.7959030	21	—	—
285917 2001 QC_{172}	16.4	X	162.74517	26.66174	279.72514	6.62930	0.1551390	0.21854189	2.7296874	21	—	—
285918 2001 QX_{175}	17.6	X	232.55503	85.78243	290.09740	0.85621	0.1415870	0.23575602	2.5951403	21	5 5.8	21.7
285919 2001 QU_{183}	16.4	X	239.62186	133.85471	248.55151	3.82644	0.1002010	0.23650935	2.5896268	21	5 25.6	20.2
285920 2001 QV_{183}	17.6	X	213.05160	191.10480	173.84201	2.82254	0.1917875	0.28098342	2.3086012	21	3 30.0	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
285921 2001 QD_{192}	15.9	X	231.54109	75.03280	242.78788	11.77724	0.2779212	0.22808305	2.6530211	21	2 13.7	21.0
285922 2001 QC_{212}	16.1	X	288.98605	340.44607	336.99112	7.25833	0.2524378	0.18719678	3.0264752	21	4 9.7	20.6
285923 2001 QN_{213}	17.8	X	351.46133	167.94932	168.14434	6.18961	0.2048702	0.29616747	2.2290055	21	9 22.8	19.0
285924 2001 QF_{217}	16.7	X	248.27912	163.71795	138.75088	4.28683	0.2216383	0.22903268	2.6456827	21	2 15.6	20.9
285925 2001 QM_{219}	17.2	X	294.35265	219.24108	156.99248	7.21558	0.1472110	0.29309944	2.2445333	21	7 21.7	19.6
285926 2001 QS_{222}	16.5	X	79.47148	162.22722	171.20192	12.77074	0.2153969	0.21003748	2.8028823	21	—	—
285927 2001 QN_{233}	17.2	X	53.01124	180.71371	172.76569	4.95030	0.2049846	0.25622468	2.4550221	21	—	—
285928 2001 QP_{243}	15.3	X	294.58670	310.94861	351.85000	10.22699	0.1255710	0.18368456	3.0649328	21	4 15.4	19.8
285929 2001 QF_{252}	17.5	X	349.53896	1.10492	11.73202	2.55011	0.2026003	0.30012519	2.2093664	21	11 21.3	19.0
285930 2001 QP_{253}	16.5	X	124.31316	318.12269	346.57463	7.48897	0.2063661	0.21341157	2.7732610	21	—	—
285931 2001 QB_{254}	17.3	X	348.68521	316.11614	7.21199	7.60637	0.2062151	0.29554653	2.2321265	21	8 23.9	18.5
285932 2001 QA_{262}	17.6	X	94.20040	2.80553	336.97666	19.98267	0.0948183	0.35933559	1.9594577	21	—	—
285933 2001 QZ_{278}	17.1	X	318.86492	336.51988	13.20852	8.06864	0.2256979	0.24379698	2.5377597	21	7 14.6	19.7
285934 2001 QZ_{279}	15.9	X	64.21711	10.72968	31.18618	13.60504	0.1972108	0.21314402	2.7755813	21	—	—
285935 2001 QV_{281}	15.2	X	139.01340	311.12824	19.84522	33.97836	0.1981807	0.21608672	2.7503249	21	—	—
285936 2001 QP_{286}	16.6	X	250.85805	99.31952	273.22398	13.49232	0.2344024	0.23636241	2.5906999	21	5 9.8	21.0
285937 Anthonytaylor	16.1	X	43.24043	326.48342	356.77065	1.58514	0.0728067	0.20416390	2.8563850	21	10 31.9	20.0
285938 2001 QM_{323}	16.8	X	82.01973	110.57102	292.31378	5.60367	0.1179905	0.26454358	2.4032811	21	—	—
285939 2001 QE_{327}	16.4	X	303.59801	286.14323	54.56478	9.48876	0.1309966	0.24065691	2.5597870	21	6 16.4	19.4
285940 2001 QE_{330}	16.3	X	298.86678	144.28022	202.42744	18.66268	0.1271193	0.23932971	2.5692417	21	6 18.0	19.9
285941 2001 QO_{334}	16.7	X	316.42574	214.37163	200.42151	1.51110	0.0617204	0.20149477	2.8815547	21	10 24.6	20.2
285942 2001 QC_{335}	18.0	X	352.48654	302.14204	30.75821	4.10877	0.2014405	0.29748253	2.2224316	21	9 20.8	19.2
285943 2001 RB_{4}	14.9	X	258.64523	333.44781	321.33184	22.91869	0.1917921	0.18100943	3.0950565	21	2 19.5	19.9
285944 2001 RZ_{11}	16.5	X	48.83525	340.51133	324.02167	53.09173	0.5068709	0.30382990	2.1913700	21	—	—
285945 2001 RW_{13}	15.7	X	116.32300	205.24646	177.36808	5.35182	0.1232783	0.16936409	3.2353542	21	1 24.8	20.5
285946 2001 RA_{15}	15.7	X	240.97178	197.37269	216.01738	10.88686	0.1171246	0.19002263	2.9963957	21	7 4.1	20.4
285947 2001 RL_{18}	16.7	X	240.65482	350.04777	348.44135	3.64273	0.2380450	0.23229375	2.6208633	21	3 22.2	21.1
285948 2001 RA_{20}	15.4	X	315.23778	306.28183	329.09032	11.74538	0.1351837	0.18569370	3.0427850	21	4 4.4	19.7
285949 2001 RJ_{21}	16.7	X	197.48550	37.69964	352.90359	5.78977	0.3209316	0.23014180	2.6371755	21	4 19.1	21.6
285950 2001 RS_{21}	17.6	X	303.13166	205.93015	170.42223	4.36405	0.1644520	0.29378585	2.2410358	21	8 4.0	19.5
285951 2001 RK_{22}	16.6	X	219.62451	53.42687	341.92045	6.89357	0.1975231	0.23444398	2.6048137	21	5 13.1	21.1
285952 2001 RX_{22}	15.8	X	275.41109	67.16740	333.64474	8.97098	0.1387747	0.19307594	2.9647218	21	7 29.7	19.9
285953 2001 RB_{23}	16.5	X	242.23434	5.06773	341.99775	14.73569	0.0992437	0.23287714	2.6164844	21	4 6.7	20.5
285954 2001 RG_{30}	16.2	X	229.68305	173.79531	154.92307	9.54751	0.1170402	0.22873612	2.6479689	21	3 7.9	20.1
285955 2001 RE_{33}	16.4	X	112.11900	152.01996	164.65986	14.06903	0.1981026	0.21294982	2.7772685	21	—	—
285956 2001 RQ_{37}	15.8	X	306.23286	59.05816	319.15809	8.71301	0.1173905	0.19518315	2.9433450	21	8 14.3	19.2
285957 2001 RN_{41}	16.8	X	239.52136	111.67456	199.52308	4.43718	0.2355779	0.22837781	2.6507379	21	2 16.7	21.3
285958 2001 RD_{55}	16.9	X	11.92615	106.85987	202.46498	0.57023	0.2080297	0.19740475	2.9212203	21	9 10.3	19.9
285959 2001 RJ_{60}	16.5	X	211.57638	354.12098	15.68193	14.22383	0.1796569	0.22965415	2.6409075	21	4 7.4	20.7
285960 2001 RD_{64}	17.2	X	188.95874	185.18964	227.21872	6.76212	0.1677583	0.28045751	2.3114863	21	5 7.7	20.6
285961 2001 RN_{66}	15.4	X	217.17848	52.65002	351.44392	15.55510	0.1625837	0.18324651	3.0698153	21	5 23.2	20.7
285962 2001 RS_{73}	16.3	X	13.48766	1.25235	313.92098	5.82793	0.2528909	0.19712912	2.9239427	21	9 25.2	19.2
285963 2001 RD_{87}	15.6	X	322.59543	336.70971	346.22904	8.41804	0.1628467	0.19013151	2.9952517	21	6 20.0	19.3
285964 2001 RD_{95}	17.4	X	306.24943	188.13060	207.90892	4.75196	0.2348830	0.29406449	2.2396200	21	8 30.2	19.1
285965 2001 RS_{96}	16.5	X	7.42715	140.20326	232.68681	1.24430	0.0778569	0.20365086	2.8611802	21	11 15.5	20.0
285966 2001 RZ_{97}	17.1	X	313.58951	281.25183	356.56969	3.85081	0.1006798	0.23142742	2.6273998	21	4 9.6	20.3
285967 2001 RL_{99}	17.1	X	6.25255	354.74248	346.00400	5.21216	0.1455910	0.29929655	2.2134425	21	10 24.7	19.0
285968 2001 RY_{103}	16.8	X	333.39673	299.74694	31.55580	5.89183	0.2326955	0.24373909	2.5381615	21	7 16.8	18.9
285969 2001 RC_{105}	15.6	X	116.79185	41.62012	347.34990	9.35451	0.1050669	0.17096537	3.2151207	21	2 2.6	20.3
285970 2001 RL_{108}	16.7	X	109.80744	332.81944	0.81852	5.00364	0.0849069	0.21281302	2.7784585	21	—	—
285971 2001 RW_{109}	17.5	X	155.96389	160.75863	146.31581	3.09081	0.1776290	0.26639738	2.3921188	21	—	—
285972 2001 RK_{111}	15.8	X	258.40655	322.32664	126.45002	2.90169	0.0329430	0.19812391	2.9141471	21	9 23.4	19.7
285973 2001 RS_{111}	17.8	X	346.03107	166.75185	160.89876	4.02973	0.2216987	0.29476579	2.2360663	21	8 19.5	18.7
285974 2001 RH_{112}	16.5	X	350.99466	234.08412	107.10909	0.49121	0.1435611	0.19697151	2.9255023	21	9 9.7	19.7
285975 2001 RP_{116}	16.0	X	254.47758	239.08891	0.22098	11.11100	0.1409954	0.22088903	2.7103161	21	—	—
285976 2001 RT_{116}	16.7	X	23.73849	163.13581	94.99148	2.10239	0.1105609	0.24090793	2.5580085	21	7 12.3	19.4
285977 2001 RM_{122}	17.2	X	334.40842	160.82213	144.75520	3.61856	0.1067062	0.23992159	2.5650145	21	6 21.6	20.0
285978 2001 RP_{129}	16.3	X	73.54605	353.28485	11.92345	8.38315	0.2327135	0.20989929	2.8041123	21	—	—
285979 2001 RA_{132}	17.4	X	327.83548	311.78522	12.46353	6.77031	0.1466302	0.29100555	2.2552873	21	7 3.7	19.5
285980 2001 RB_{140}	16.2	X	274.94895	19.44506	15.58100	14.94109	0.1757006	0.19099149	2.9862537	21	7 18.1	20.7
285981 2001 RZ_{144}	15.9	X	76.07513	119.18512	247.70630	8.19125	0.1595003	0.21140839	2.7907519	21	—	—
285982 2001 RH_{145}	17.2	X	273.27651	88.32292	276.51802	3.47740	0.3171876	0.23928173	2.5695852	21	5 13.9	21.3
285983 2001 RU_{145}	15.6	X	219.01096	65.14850	334.65792	14.24938	0.1572655	0.18495012	3.0509352	21	5 20.4	20.8
285984 2001 RG_{149}	16.5	X	94.57753	244.41063	128.90425	8.76625	0.2376060	0.21445488	2.7642591	21	—	—
285985 2001 RM_{149}	15.9	X	16.91346	271.45890	337.32021	13.59515	0.0143065	0.23585384	2.5944228	21	6 10.5	19.6
285986 2001 RE_{150}	15.6	X	208.08368	11.26809	0.92788	10.71643	0.1988952	0.18133913	3.0913038	21	4 8.7	20.8
285987 2001 RH_{150}	17.6	X	320.67626	350.26445	16.78001	4.83691	0.1875992	0.29488087	2.2354844	21	8 27.4	19.0
285988 2001 RA_{156}	17.2	X	153.75747	190.90601	235.81725	3.06547	0.1120923	0.22868935	2.6483300	21	4 21.1	21.1
285989 2001 SG_{2}	14.9	X	206.76963	13.05415	326.12886	2.26918	0.2140169	0.12518824	3.9575557	21	3 7.3	21.3
285990 2001 SK_{9}	17.8	X	149.35939	34.55393	195.75366	25.96632	0.7890172	0.41326155	1.7850596	21	11 18.8	22.6
285991 2001 SH_{15}	15.8	X	40.82802	317.87962	4.80332	12.48188	0.1096531	0.20099818	2.8862989	21	10 29.2	19.7
285992 2001 SG_{25}	16.2	X	126.82029	172.31654	183.22841	8.24824	0.2166465	0.21580957	2.7526791	21	1 7.6	20.2
285993 2001 SU_{51}	15.5	X	207.46428	125.12392	176.31144	26.11504	0.2426220	0.17164293	3.2066540	21	1 19.1	21.5
285994 2001 SW_{59}	17.0	X	12.93399	354.61916	36.25124	5.42992	0.2283499	0.30192651	2.2005701	21	—	—
285995 2001 SJ_{62}	16.9	X	1.11763	353.24140	15.36204	8.82976	0.1685321	0.29857087	2.2170276	21	11 30.9	19.0
285996 2001 SH_{68}	15.6	X	274.41569	176.81203	198.22886	12.13593	0.1154541	0.18540557	3.0459366	21	6 25.5	20.1
285997 2001 SW_{76}	16.4	X	320.63380	51.68836	329.72520	7.19750	0.2164964	0.19534049	2.9417643	21	8 31.0	19.5
285998 2001 SQ_{77}	16.2	X	108.88275	0.38001	347.44208	14.24235	0.1188535	0.21459059	2.7630936	21	—	—
285999 2001 SJ_{84}	17.5	X	199.89748	66.58021	272.52288	2.90874	0.1509874	0.27562852	2.3384062	21	2 12.6	21.2
286000 2001 SU_{84}	18.0	X	4.74028	107.68186	191.27465	5.44290	0.1983849	0.29460878	2.2368607	21	8 16.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286001 2001 SH_{87}	15.7	X	195.04771	36.01893	338.21406	9.97068	0.0932409	0.18017943	3.1045542	21	3 30.2	20.6
286002 2001 SX_{89}	15.7	X	302.66657	286.32633	346.61447	16.65912	0.1710225	0.18280859	3.0747159	21	3 14.6	20.1
286003 2001 SY_{90}	15.8	X	284.65463	308.34088	342.68419	8.53039	0.0765779	0.18139990	3.0906135	21	3 27.9	20.2
286004 2001 SA_{93}	17.8	X	97.38035	120.63655	267.43682	0.64650	0.2049884	0.21564335	2.7540934	21	1 10.5	21.1
286005 2001 SC_{94}	17.0	X	336.62818	124.49842	227.66586	1.98619	0.2326933	0.19587612	2.9363989	21	8 21.6	19.8
286006 2001 SE_{97}	16.9	X	235.07980	161.66033	192.38003	10.80593	0.1374067	0.23149134	2.6269162	21	4 12.2	20.9
286007 2001 SC_{99}	16.5	X	343.79503	109.85919	232.56079	1.03908	0.0989843	0.19506085	2.9445752	21	8 28.6	20.0
286008 2001 SJ_{100}	16.1	X	222.09622	250.99542	192.52073	9.67135	0.0805958	0.19004816	2.9961274	21	7 24.3	20.8
286009 2001 SR_{101}	15.7	X	294.07942	327.48669	358.19663	11.13747	0.1094608	0.18663084	3.0325905	21	5 16.0	20.0
286010 2001 SC_{118}	15.8	X	258.17577	163.93549	202.14911	11.85415	0.1207201	0.18680685	3.0306854	21	5 26.7	20.4
286011 2001 SM_{118}	17.2	X	31.67676	71.14406	199.60010	6.85205	0.1267715	0.29356291	2.2421703	21	8 18.0	19.4
286012 2001 SY_{128}	17.3	X	275.46120	197.63609	192.94755	5.37348	0.1230441	0.29057350	2.2575223	21	7 17.2	19.9
286013 2001 SC_{135}	16.9	X	215.37946	175.91158	195.07341	4.34878	0.0845013	0.23011818	2.6373561	21	4 15.6	20.9
286014 2001 SE_{141}	16.1	X	207.93707	246.60875	140.24528	1.62581	0.2139148	0.18029117	3.1032713	21	4 28.2	21.3
286015 2001 SU_{141}	16.3	X	321.35153	191.80402	189.88695	12.79020	0.1064833	0.19627509	2.9324183	21	9 12.3	20.0
286016 2001 SJ_{142}	16.2	X	293.36468	187.53728	199.19295	8.96955	0.1891842	0.19245951	2.9710489	21	7 23.7	20.3
286017 2001 SJ_{144}	15.9	X	249.04604	216.82597	213.19832	2.90944	0.1468385	0.19088172	2.9873985	21	7 31.4	20.4
286018 2001 SK_{144}	15.8	X	228.36390	243.52116	186.66608	8.77726	0.1072052	0.18904758	3.0066899	21	7 12.7	20.5
286019 2001 SA_{146}	18.1	X	276.53032	55.68754	349.97777	6.06736	0.2249548	0.29130278	2.2537529	21	7 27.1	20.7
286020 2001 SU_{146}	15.5	X	92.87260	246.44313	4.50002	11.32173	0.1396641	0.19816754	2.9137192	21	10 8.8	19.9
286021 2001 SD_{147}	18.4	X	259.77732	254.43144	125.82977	0.06828	0.2199914	0.28637076	2.2795560	21	5 30.2	21.6
286022 2001 SU_{147}	15.4	X	197.94475	56.57951	320.42260	7.44989	0.1796515	0.17867803	3.1219213	21	4 5.2	20.8
286023 2001 SK_{150}	17.5	X	282.11775	220.74282	193.78403	8.20379	0.1369959	0.29287984	2.2456552	21	8 30.0	20.0
286024 2001 ST_{156}	15.9	X	33.85332	153.20748	199.96839	14.78681	0.1546131	0.20312767	2.8660912	21	12 8.7	19.9
286025 2001 SE_{157}	16.8	X	316.72479	22.06877	326.44358	5.19137	0.1650960	0.29067391	2.2570023	21	7 18.3	18.6
286026 2001 SZ_{157}	17.4	X	312.05026	46.25741	303.78177	3.63865	0.1592477	0.29072494	2.2567382	21	7 11.5	19.4
286027 2001 SG_{163}	17.6	X	340.36967	324.04305	11.40942	7.80293	0.2323491	0.29308400	2.2446122	21	8 21.5	18.7
286028 2001 SX_{164}	16.8	X	200.88792	135.90629	242.96588	5.60402	0.1248043	0.27809463	2.3245612	21	4 3.2	20.4
286029 2001 SV_{166}	17.8	X	278.90929	239.08579	172.17525	2.35642	0.1648210	0.29260595	2.2470563	21	8 16.5	20.1
286030 2001 SB_{169}	15.3	X	163.25337	20.44771	33.02662	18.02992	0.2170789	0.17594350	3.1541855	21	4 23.9	20.7
286031 2001 SL_{170}	16.3	X	112.51736	122.09517	319.27280	7.34332	0.1562923	0.22409338	2.6844173	21	3 27.2	20.1
286032 2001 SO_{170}	16.9	X	293.99242	53.19806	279.51470	4.26212	0.0795911	0.23714135	2.5850236	21	5 30.5	20.2
286033 2001 SR_{175}	17.5	X	22.20482	171.32973	142.71171	5.29833	0.2447221	0.29731370	2.2232729	21	11 3.9	19.6
286034 2001 SU_{189}	16.8	X	73.41478	236.58292	149.15718	1.73147	0.2020718	0.21246226	2.7815157	21	—	—
286035 2001 SV_{189}	15.5	X	132.31470	54.15296	351.45060	9.34755	0.0812922	0.17486755	3.1671106	21	3 6.3	20.2
286036 2001 ST_{196}	15.9	X	287.81217	305.56871	358.65389	10.34610	0.0368845	0.18268146	3.0761422	21	4 21.8	20.3
286037 2001 SH_{198}	16.9	X	192.73797	301.99359	32.38852	2.45484	0.1254248	0.22343059	2.6897234	21	2 8.3	21.0
286038 2001 SD_{203}	15.8	X	289.64273	255.89862	151.25867	2.37656	0.0938456	0.19460001	2.9492221	21	8 31.9	19.7
286039 2001 SZ_{203}	16.3	X	133.56034	309.89366	24.01281	4.93022	0.0700005	0.21479184	2.7613675	21	—	—
286040 2001 SK_{208}	17.2	X	205.89411	242.24848	145.20565	4.94544	0.1478645	0.28044530	2.3115534	21	4 23.4	20.8
286041 2001 SE_{211}	17.2	X	232.01050	339.93166	9.76682	2.26274	0.0994294	0.23003247	2.6380111	21	4 5.3	21.2
286042 2001 SV_{211}	16.4	X	317.41395	27.93351	1.30714	5.76346	0.0817581	0.19604211	2.9347412	21	9 20.3	20.1
286043 2001 SA_{212}	17.1	X	2.97123	165.63514	177.15001	13.11765	0.2746200	0.19847643	2.9106953	21	10 20.8	19.7
286044 2001 SL_{218}	16.3	X	111.34357	179.20391	176.68870	12.47691	0.1555001	0.21371304	2.7706523	21	—	—
286045 2001 SM_{218}	16.0	X	160.79410	272.43311	176.71613	14.73112	0.2056733	0.18023945	3.1038650	21	6 4.4	21.5
286046 2001 SQ_{220}	16.5	X	179.64377	265.06474	124.47638	2.33808	0.1870224	0.17722000	3.1390210	21	4 9.4	21.7
286047 2001 SP_{222}	17.3	X	209.58967	200.48476	136.48867	2.55897	0.1979750	0.22550142	2.6732312	21	2 26.4	21.7
286048 2001 SC_{227}	17.6	X	297.18200	324.78002	28.53426	4.31405	0.1093423	0.28850822	2.2682831	21	6 28.7	20.0
286049 2001 SK_{227}	16.1	X	304.80362	116.84527	181.03037	5.94652	0.1955366	0.18449558	3.0559441	21	4 16.6	20.1
286050 2001 SW_{228}	16.7	X	104.86340	259.82845	70.82659	2.52621	0.2074139	0.21010556	2.8022768	21	—	—
286051 2001 SH_{229}	16.3	X	14.33776	222.57688	141.75487	2.73839	0.1350657	0.20036856	2.8923421	21	11 21.4	19.9
286052 2001 SB_{231}	17.4	X	336.07446	69.74195	234.77125	6.13514	0.1441544	0.28960463	2.2625545	21	6 17.2	19.2
286053 2001 SS_{236}	17.3	X	186.45679	263.09972	31.24021	2.71103	0.2374489	0.21861485	2.7290801	21	—	—
286054 2001 SM_{242}	17.1	X	78.64187	257.24333	180.92462	4.46578	0.1962536	0.26628695	2.3927802	21	1 31.4	19.3
286055 2001 SM_{274}	16.8	X	153.41141	308.98229	7.02308	5.96296	0.1208154	0.21449492	2.7639152	21	—	—
286056 2001 SK_{282}	18.0	X	322.09500	74.52564	268.65798	5.47765	0.2183588	0.29114631	2.2545603	21	7 10.1	19.6
286057 2001 SJ_{285}	15.6	X	206.72109	40.59762	16.61481	17.01086	0.2294390	0.18149579	3.0895247	21	5 27.7	21.1
286058 2001 SF_{288}	16.1	X	117.29307	245.86480	136.99134	14.85931	0.2370655	0.21700380	2.7425706	21	2 2.7	20.0
286059 2001 SG_{292}	16.2	X	92.96984	190.71608	202.85716	13.01564	0.1607373	0.21619214	2.7494307	21	1 2.5	19.8
286060 2001 SH_{294}	15.4	X	334.21278	41.62616	315.09187	11.93094	0.1650929	0.19678965	2.9273044	21	8 26.3	18.5
286061 2001 SC_{300}	16.0	X	143.64577	235.05229	192.98956	9.14122	0.1117747	0.17757202	3.1348712	21	4 17.5	20.7
286062 2001 SP_{300}	16.5	X	308.60400	49.66271	189.70166	12.17810	0.1835933	0.22804694	2.6533012	21	1 29.1	20.4
286063 2001 SV_{302}	16.8	X	110.43170	82.06209	308.50599	3.78758	0.0632567	0.21877222	2.7277712	21	1 10.1	20.3
286064 2001 SX_{308}	17.0	X	86.87898	101.96817	340.47932	6.54355	0.0731970	0.27181068	2.3602520	21	2 4.9	19.7
286065 2001 SJ_{309}	17.6	X	30.92584	23.10583	297.83798	4.38161	0.1537922	0.29915981	2.2141169	21	11 8.3	20.0
286066 2001 SY_{311}	16.0	X	339.36281	72.34244	339.63844	11.64380	0.1269624	0.20094679	2.8867909	21	11 21.1	19.6
286067 2001 SB_{312}	16.5	X	206.37939	164.83934	213.97378	8.14720	0.0664881	0.23054005	2.6341376	21	4 15.3	20.4
286068 2001 SS_{315}	17.3	X	315.27370	70.38655	290.31746	6.75702	0.2397952	0.29043424	2.2582439	21	7 20.9	18.9
286069 2001 SS_{319}	16.0	X	2.87842	165.80461	180.19566	9.04233	0.1142454	0.19732956	2.9219623	21	10 6.9	19.3
286070 2001 SG_{326}	16.1	X	307.17961	112.59061	158.72606	12.83685	0.0979403	0.23442017	2.6049901	21	3 26.2	19.6
286071 2001 SN_{337}	16.9	X	188.73779	1.93954	6.52509	4.22265	0.1142228	0.22682683	2.6628075	21	3 16.4	21.1
286072 2001 SC_{344}	17.1	X	186.66404	218.02538	196.98351	23.86393	0.2350693	0.28070274	2.3101399	21	5 11.5	21.2
286073 2001 SQ_{349}	15.9	X	186.69893	39.92942	17.51359	11.42875	0.0647617	0.18145970	3.0899343	21	5 13.4	20.7
286074 2001 SL_{350}	17.5	X	112.36544	147.70180	265.59501	2.42950	0.1991610	0.26743541	2.3859249	21	2 20.4	20.4
286075 2001 SQ_{350}	15.9	X	13.22997	284.61049	26.48252	9.21337	0.1025414	0.19192440	2.9765687	21	9 8.4	19.6
286076 2001 SO_{355}	17.5	X	105.27500	209.26703	106.42553	3.14270	0.2046865	0.25995182	2.4314992	21	—	—
286077 2001 SX_{355}	17.5	X	345.16248	169.62926	150.92830	6.87587	0.2099579	0.29281912	2.2459656	21	8 1.9	18.7
286078 2001 SZ_{355}	15.9	X	287.72918	276.82593	83.12012	5.08477	0.1441519	0.18781522	3.0198280	21	6 19.6	20.0
286079 2001 TW_{1}	19.1	X	336.51539	208.80975	27.35286	31.32524	0.5259924	1.13292768	0.9113138	21	10 16.2	16.7
286080 2001 TX_{1}	21.1	X	63.57016	354.14938	159.17124	2.80140	0.4826917	0.91949829	1.0473747	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286081 2001 TT_{9}	15.1	X	218.33232	207.50038	208.85112	11.49205	0.1235975	0.18379119	3.0637472	21	6 14.9	20.1
286082 2001 TG_{12}	17.9	X	251.78219	32.44510	20.58268	4.44770	0.2053249	0.28706170	2.2758967	21	7 7.9	21.1
286083 2001 TB_{17}	16.9	X	204.18397	30.29985	15.46162	7.76790	0.1947288	0.22984361	2.6394560	21	5 13.4	21.4
286084 2001 TV_{17}	15.5	X	157.84835	84.25515	0.30073	12.65134	0.2838624	0.17636424	3.1491670	21	5 25.9	21.3
286085 2001 TJ_{18}	17.1	X	246.91913	16.10197	26.33593	2.83670	0.2069729	0.28456354	2.2891972	21	6 17.1	20.4
286086 2001 TH_{20}	15.7	X	266.73656	97.79017	299.04750	8.97270	0.2531716	0.18654471	3.0335240	21	6 27.1	20.3
286087 2001 TE_{22}	15.2	X	269.82592	125.91121	189.48158	17.65404	0.0881327	0.18046762	3.1012482	21	4 11.3	19.7
286088 2001 TT_{24}	17.3	X	349.04027	354.72998	325.16903	4.25020	0.2115761	0.29244106	2.2479008	21	8 14.1	18.0
286089 2001 TG_{27}	15.4	X	337.32723	87.49591	226.04855	8.59977	0.0315996	0.18668207	3.0320356	21	7 11.8	19.6
286090 2001 TY_{27}	17.1	X	307.70606	169.76941	258.87025	4.80450	0.1513418	0.29654441	2.2271162	21	11 11.6	18.9
286091 2001 TO_{28}	17.5	X	347.72142	84.43684	272.86591	4.63980	0.2188524	0.29516482	2.2340505	21	10 19.2	18.8
286092 2001 TR_{31}	17.3	X	281.18268	46.55931	347.75428	5.86933	0.1433314	0.28813767	2.2702274	21	7 31.2	19.8
286093 2001 TW_{35}	17.3	X	173.29961	217.30843	239.18703	18.67403	0.0616803	0.38015416	1.8872505	21	6 13.8	19.4
286094 2001 TZ_{36}	14.7	X	184.60799	202.72182	254.55827	23.54171	0.2565655	0.17843883	3.1247107	21	6 28.9	20.3
286095 2001 TC_{46}	17.2	X	50.43299	176.15710	323.75582	17.39478	0.0594882	0.37250087	1.9130127	21	2 3.5	18.6
286096 2001 TR_{47}	15.9	X	328.54360	176.08418	156.18995	10.49707	0.0854688	0.18883534	3.0089424	21	7 20.6	19.8
286097 2001 TK_{68}	17.3	X	6.99740	291.17049	45.62500	4.45850	0.2460024	0.29586342	2.2305324	21	11 7.9	18.9
286098 2001 TX_{68}	16.0	X	170.46659	260.59059	16.28099	2.86068	0.0540555	0.21017457	2.8016633	21	—	—
286099 2001 TA_{69}	16.0	X	76.72634	86.87874	207.33936	7.72197	0.1525299	0.20131194	2.8832991	21	11 17.3	20.2
286100 2001 TL_{75}	16.4	X	58.87216	61.21083	16.68074	6.83832	0.0890604	0.21498335	2.7597273	21	1 2.0	19.8
286101 2001 TM_{75}	17.8	X	64.96301	139.35068	210.77197	4.05313	0.2385187	0.30632313	2.1794631	21	—	—
286102 2001 TY_{90}	16.3	X	41.69853	90.95252	320.74941	3.63238	0.1059254	0.20903886	2.8118018	21	—	—
286103 2001 TN_{92}	16.5	X	87.98547	70.09149	4.61011	7.49526	0.0913915	0.26823595	2.3811754	21	1 31.4	19.2
286104 2001 TP_{92}	17.8	X	342.35998	111.42982	232.33159	4.96766	0.2293771	0.29402473	2.2398218	21	9 6.1	18.9
286105 2001 TL_{93}	17.5	X	296.97360	131.11362	247.53233	5.68375	0.1656408	0.29050714	2.2578661	21	7 25.8	19.7
286106 2001 TM_{94}	13.0	X	277.09985	335.72869	15.50787	19.74488	0.1140169	0.08441596	5.1465912	21	5 29.2	20.1
286107 2001 TL_{97}	15.5	X	267.87225	176.34145	239.82280	11.78951	0.1291516	0.18908469	3.0062964	21	8 3.7	20.1
286108 2001 TY_{97}	16.9	X	233.56971	169.32872	228.30427	6.57622	0.0836000	0.28320327	2.2965216	21	6 8.2	19.9
286109 2001 TR_{98}	17.8	X	340.76152	107.66306	214.90639	5.07267	0.2048582	0.29135889	2.2534635	21	7 22.8	19.3
286110 2001 TQ_{99}	12.6	X	357.90676	39.49924	226.89301	13.49261	0.0758796	0.08437857	5.1481116	21	6 12.5	19.1
286111 2001 TO_{101}	16.1	X	317.32424	140.88211	208.45899	9.36008	0.0960465	0.19056400	2.9907181	21	7 23.5	20.1
286112 2001 TP_{101}	16.8	X	159.46551	89.82934	251.23491	1.19831	0.2540756	0.21871337	2.7282605	21	1 25.1	21.4
286113 2001 TS_{102}	16.0	X	309.47251	23.67999	9.68575	8.40881	0.0997479	0.19383525	2.9569742	21	9 13.2	19.6
286114 2001 TV_{119}	12.7	X	232.31886	138.25574	256.29273	21.91580	0.0368998	0.08322971	5.1953778	21	6 12.6	19.7
286115 2001 TB_{125}	17.1	X	219.50309	160.68208	284.24226	7.73496	0.0959728	0.28746490	2.2737681	21	7 25.4	20.0
286116 2001 TO_{126}	16.5	X	328.62722	104.93704	193.23514	14.73104	0.0776258	0.18634185	3.0357251	21	6 7.3	20.7
286117 2001 TN_{129}	16.5	X	351.12440	106.85020	230.52767	1.04310	0.1072828	0.19415073	2.9537702	21	9 3.0	19.8
286118 2001 TB_{132}	17.0	X	245.09942	149.11037	241.81890	3.13965	0.1217423	0.23559016	2.5963582	21	6 10.1	20.7
286119 2001 TV_{140}	16.4	X	172.05447	327.25388	58.33700	6.75447	0.1019834	0.22623747	2.6674299	21	3 23.0	20.4
286120 2001 TF_{143}	15.7	X	215.15591	339.58535	62.03688	6.38679	0.1640669	0.18248842	3.0783110	21	5 22.8	20.7
286121 2001 TF_{144}	16.5	X	95.98778	15.81810	43.42801	9.51470	0.2421021	0.21680362	2.7442586	21	2 28.1	20.2
286122 2001 TE_{149}	16.6	X	187.32180	328.42112	43.61778	13.41496	0.1852190	0.27479168	2.3431399	21	3 22.8	20.5
286123 2001 TP_{149}	17.6	X	7.10723	275.77105	80.54435	3.80126	0.2240022	0.29837179	2.2180136	21	12 5.4	19.4
286124 2001 TG_{150}	17.1	X	35.35783	327.11222	63.20105	7.02705	0.1035422	0.30532348	2.1842176	21	—	—
286125 2001 TZ_{150}	17.2	X	271.19044	176.42983	141.92095	6.08467	0.1843858	0.28069592	2.3101773	21	3 27.0	20.5
286126 2001 TD_{155}	15.8	X	146.17013	278.44797	220.70097	7.47345	0.0789469	0.18241156	3.0791757	21	7 12.4	20.6
286127 2001 TE_{155}	15.7	X	174.15745	198.72895	219.52165	9.79222	0.0813104	0.17651523	3.1473709	21	5 4.8	20.6
286128 2001 TG_{160}	17.0	X	68.21203	234.65106	233.96400	3.43303	0.1726652	0.26723516	2.3871167	21	2 21.4	19.2
286129 2001 TB_{162}	17.2	X	121.12456	156.70696	266.92678	1.75871	0.2149829	0.27119844	2.3638029	21	3 19.1	20.3
286130 2001 TY_{162}	15.8	X	167.22243	282.22007	214.90162	5.48929	0.0631123	0.18829610	3.0146843	21	8 1.2	20.4
286131 2001 TD_{163}	18.0	X	278.08348	136.40175	277.51426	1.71057	0.1470320	0.29198060	2.2502635	21	8 22.2	20.5
286132 2001 TW_{164}	16.7	X	266.08430	277.88778	86.06124	8.52513	0.2159513	0.23585191	2.5944370	21	5 19.5	20.6
286133 2001 TK_{177}	16.4	X	36.59103	215.86601	229.61590	8.52753	0.1712456	0.21156870	2.7893421	21	—	—
286134 2001 TY_{178}	15.9	X	297.32919	31.43147	355.66252	9.57687	0.0934138	0.19086217	2.9876024	21	8 18.9	19.8
286135 2001 TD_{179}	15.4	X	337.63448	50.80782	246.96024	7.73198	0.1047213	0.18627587	3.0364419	21	6 17.4	19.0
286136 2001 TA_{182}	15.5	X	191.34005	48.12346	15.51371	9.39507	0.0881756	0.18051584	3.1006959	21	5 26.9	20.3
286137 2001 TR_{184}	16.3	X	244.26145	104.50685	297.95777	3.03603	0.1150236	0.18595257	3.0399603	21	6 25.8	20.7
286138 2001 TN_{188}	16.0	X	290.68140	337.99247	16.91558	5.95194	0.2916818	0.18766353	3.0214550	21	5 24.6	20.5
286139 2001 TO_{192}	15.8	X	93.59626	133.76380	246.25058	8.18144	0.0671301	0.21013730	2.8019945	21	—	—
286140 2001 TU_{193}	17.2	X	127.35144	61.40131	211.58449	4.33425	0.1234979	0.30480894	2.1866751	21	12 24.7	20.3
286141 2001 TR_{196}	15.4	X	277.82424	300.17846	78.67802	13.21629	0.2084837	0.18756268	3.0225380	21	6 21.7	19.8
286142 2001 TA_{200}	15.6	X	90.53854	325.91107	74.38525	10.00902	0.1574358	0.21519010	2.7579593	21	1 9.7	18.9
286143 2001 TE_{201}	16.2	X	284.48722	272.43581	109.01799	8.38455	0.2173326	0.18988365	2.9978576	21	7 2.4	20.4
286144 2001 TG_{207}	17.9	X	353.60955	267.89392	17.69323	1.87677	0.2073665	0.28951825	2.2630045	21	6 20.6	19.1
286145 2001 TJ_{207}	17.7	X	206.50363	91.38778	322.17263	1.52979	0.2095581	0.23185544	2.6241653	21	5 26.2	22.0
286146 2001 TM_{208}	17.3	X	182.33003	214.50446	177.19236	10.15279	0.1489164	0.27551847	2.3390288	21	4 5.6	20.9
286147 2001 TX_{209}	16.2	X	152.36209	84.24745	310.43067	12.65407	0.1240487	0.22476641	2.6790559	21	3 7.2	20.3
286148 2001 TG_{217}	17.6	X	109.43359	221.50183	226.54828	0.80945	0.1526990	0.27196846	2.3593390	21	3 28.8	20.3
286149 2001 TU_{217}	16.7	X	123.98618	166.06920	244.98584	4.05331	0.1119290	0.22101560	2.7092813	21	2 26.1	20.5
286150 2001 TO_{220}	17.4	X	270.79546	49.25361	352.73968	7.32263	0.1953323	0.23920043	2.5701674	21	7 17.7	20.9
286151 2001 TL_{235}	15.7	X	287.56962	139.20969	225.63072	8.47046	0.1245211	0.18878632	3.0094632	21	6 28.1	19.8
286152 2001 TU_{235}	15.8	X	79.58747	12.20472	69.86442	12.81553	0.1508465	0.21617084	2.7496113	21	2 20.9	19.3
286153 2001 TA_{236}	16.6	X	284.04296	238.62511	183.77109	14.86071	0.1083507	0.24228256	2.5483238	21	9 14.4	19.6
286154 2001 TU_{240}	15.2	X	249.40142	350.31919	17.56960	9.79299	0.1344239	0.18109474	3.0940844	21	5 14.7	20.1
286155 2001 TM_{243}	16.9	X	354.27493	11.47425	252.16529	3.72534	0.2110370	0.23899565	2.5716353	21	5 17.6	18.8
286156 2001 TK_{246}	17.9	X	342.23011	267.65102	154.77197	1.74642	0.1492654	0.25293480	2.4762643	21	12 31.1	20.4
286157 2001 TD_{249}	17.7	X	300.16662	300.13394	47.34300	4.09029	0.1728457	0.23914103	2.5705930	21	6 14.3	20.9
286158 2001 TW_{253}	16.9	X	152.57582	176.71436	125.50045	5.08297	0.1848025	0.26310081	2.4120590	21	—	—
286159 2001 TN_{254}	16.6	X	162.22371	160.00212	172.23658	9.57729	0.0805437	0.21649085	2.7469011	21	1 1.9	20.7
286160 2001 TJ_{257}	16.6	X	208.81149	266.22642	114.25063	5.74791	0.0847528	0.22840814	2.6505032	21	4 23.1	20.6

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
286161	2001 TK_{257}	16.3	X	275.99865	311.28106	109.10645	4.30326	0.0542512	0.19273352	2.9682322	21	9 6.7	20.3
286162	Tatarka	16.7	X	142.52302	276.07322	92.97662	4.44514	0.1111182	0.21864109	2.7288617	21	1 29.5	20.5
286163	2001 TY_{260}	17.6	X	285.53602	248.77482	23.09595	20.35841	0.0617095	0.37719050	1.8971233	21	2 17.2	20.2
286164	2001 UQ_{3}	17.3	X	298.30396	298.28152	36.00414	23.55189	0.1866926	0.28622066	2.2803529	21	5 13.2	20.2
286165	2001 US_{6}	17.0	X	190.53834	104.41363	9.01403	6.78338	0.1142905	0.28617106	2.2806164	21	8 2.7	20.4
286166	2001 UZ_{7}	15.8	X	221.23462	252.99993	198.65579	9.44602	0.0761644	0.18837111	3.0138839	21	8 2.6	20.5
286167	2001 UJ_{9}	16.6	X	253.42214	294.02987	134.07561	2.43294	0.3133770	0.18695893	3.0290416	21	7 15.8	21.4
286168	2001 UY_{11}	17.1	X	333.65805	117.21783	223.73624	8.11690	0.3074136	0.29054380	2.2576761	21	7 20.4	18.2
286169	2001 UX_{15}	17.2	X	347.72915	118.09642	264.92518	4.32109	0.1804226	0.29750111	2.2223391	21	11 30.4	18.9
286170	2001 UM_{26}	16.5	X	222.85454	201.43249	232.48282	13.36546	0.2328578	0.23515442	2.5995646	21	7 1.9	21.0
286171	2001 UY_{26}	16.6	X	5.73844	126.83747	250.62058	4.94805	0.1001588	0.19801967	2.9151696	21	11 19.6	20.2
286172	2001 UH_{27}	15.6	X	47.32742	128.88729	351.85507	13.21768	0.1452183	0.21799630	2.7342400	21	2 15.0	18.6
286173	2001 UL_{40}	17.0	X	78.66343	2.68304	80.17494	2.72897	0.1663369	0.26651992	2.3913856	21	2 5.2	19.1
286174	2001 UM_{41}	17.6	X	148.34435	242.46075	138.24709	1.83112	0.1860747	0.26966352	2.3727642	21	2 19.2	20.9
286175	2001 UX_{41}	15.9	X	42.58502	169.41141	175.21510	4.05864	0.1474994	0.20096793	2.8865885	21	12 8.0	19.8
286176	2001 UD_{43}	16.7	X	175.59670	170.95422	171.77837	4.69732	0.2094420	0.21995762	2.7179620	21	2 5.5	21.1
286177	2001 US_{43}	17.5	X	121.25494	40.31863	43.58591	2.09461	0.1520369	0.27286295	2.3541800	21	4 8.1	20.4
286178	2001 UA_{44}	15.6	X	178.17982	221.13224	195.71721	11.40224	0.1398104	0.17745000	3.1363080	21	5 9.8	20.7
286179	2001 UP_{44}	15.6	X	339.55956	117.91729	205.74681	11.20339	0.1462468	0.18961215	3.0007187	21	7 20.7	19.3
286180	2001 UP_{46}	17.5	X	297.03222	182.71511	182.08385	4.15460	0.2508171	0.28891343	2.2661617	21	6 20.1	20.0
286181	2001 UA_{47}	15.4	X	185.80416	338.87079	56.99568	8.26601	0.1649946	0.17589731	3.1547377	21	4 22.5	20.6
286182	2001 UT_{49}	17.3	X	294.89934	214.46728	154.54608	6.95885	0.2185152	0.28811255	2.2703593	21	6 28.9	19.8
286183	2001 UQ_{50}	15.6	X	185.08457	313.08813	70.01539	17.68391	0.1612061	0.22342139	2.6897973	21	4 10.2	20.3
286184	2001 UK_{51}	15.8	X	245.57566	200.93571	200.48416	13.77353	0.1928676	0.18303041	3.0722310	21	6 17.5	20.8
286185	2001 UV_{54}	17.4	X	88.68463	254.87192	60.13888	4.36180	0.1932778	0.30402734	2.1904211	21	—	—
286186	2001 UQ_{55}	17.3	X	213.99660	49.23957	341.26987	3.93110	0.2063353	0.23104112	2.6303277	21	5 2.9	21.8
286187	2001 UT_{56}	16.1	X	248.56151	75.13886	316.70489	1.08046	0.1009912	0.18565576	3.0431995	21	6 18.7	20.5
286188	2001 UZ_{56}	17.5	X	34.27232	314.25129	5.76604	3.62663	0.1618343	0.29810059	2.2193587	21	11 13.8	19.8
286189	2001 US_{57}	16.6	X	118.27911	155.50470	202.87003	10.02138	0.1508654	0.21361879	2.7714672	21	—	—
286190	2001 UH_{61}	17.7	X	27.46522	332.01283	349.48465	3.21338	0.1100672	0.29658516	2.2269123	21	10 27.3	20.0
286191	2001 UC_{62}	15.9	X	247.46281	147.57299	242.87074	5.45591	0.1195356	0.18464538	3.0542911	21	6 13.7	20.5
286192	2001 UM_{62}	17.6	X	263.05612	350.86724	24.38806	7.95994	0.1169819	0.28475025	2.2881964	21	6 8.3	20.6
286193	2001 UG_{64}	17.4	X	51.47067	69.50391	334.96132	3.21880	0.1133464	0.25959949	2.4336988	21	—	—
286194	2001 UP_{64}	15.6	X	137.53404	52.02917	356.93451	18.24573	0.1511089	0.17142352	3.2093896	21	3 21.9	20.5
286195	2001 UV_{66}	18.6	X	347.20043	5.72411	317.40570	2.02251	0.1900972	0.29235908	2.2483210	21	8 14.5	19.5
286196	2001 UD_{67}	15.9	X	157.56232	2.58126	34.19330	9.40542	0.0525147	0.17318876	3.1875445	21	3 23.5	20.6
286197	2001 UT_{67}	16.6	X	62.84345	86.20915	54.69277	6.12891	0.0814944	0.27340592	2.3510622	21	3 24.5	19.1
286198	2001 UD_{68}	17.3	X	266.35485	316.86391	44.82301	7.02396	0.0537196	0.28388618	2.2928372	21	6 3.1	20.2
286199	2001 UM_{68}	16.9	X	150.98080	269.31182	76.62894	2.84769	0.3181380	0.21690914	2.7433685	21	1 30.2	21.5
286200	2001 UC_{69}	13.1	X	28.95515	23.52947	210.26240	10.49136	0.0446692	0.08368080	5.1766902	21	6 14.6	19.9
286201	2001 UK_{70}	17.8	X	119.57003	257.01238	26.27582	3.72459	0.1513338	0.30486688	2.1863980	21	12 30.9	21.2
286202	2001 UO_{80}	17.0	X	51.15159	289.69175	51.69042	2.49384	0.1860983	0.25189082	2.4831016	21	12 29.4	20.5
286203	2001 UF_{83}	17.3	X	102.30129	9.88978	46.03631	3.08235	0.1959755	0.26591807	2.3949925	21	2 12.2	20.0
286204	2001 UZ_{84}	17.1	X	183.14766	182.93906	194.91913	5.96081	0.1270806	0.22543280	2.6737737	21	3 21.9	21.3
286205	2001 UF_{85}	16.9	X	140.68891	41.66989	30.54120	2.12472	0.0720356	0.22629215	2.6670002	21	4 10.3	20.6
286206	2001 UU_{88}	15.8	X	191.08058	349.08600	56.28083	6.18919	0.1488581	0.17970344	3.1100339	21	5 6.7	20.7
286207	2001 UH_{90}	17.6	X	45.61932	329.01244	134.89322	3.05864	0.1593757	0.26299048	2.4127335	21	—	—
286208	2001 UZ_{90}	16.9	X	136.69415	164.98921	175.24652	4.31037	0.0758464	0.21356759	2.7719102	21	—	—
286209	2001 UX_{91}	15.5	X	258.63098	297.67671	63.23269	17.08850	0.1562940	0.18264780	3.0765201	21	5 16.9	20.1
286210	2001 UP_{94}	16.5	X	69.11310	282.49458	129.93036	9.20556	0.2082773	0.21068157	2.7971667	21	—	—
286211	2001 UR_{95}	16.3	X	120.32817	248.27705	187.77750	11.95490	0.0757792	0.22327415	2.6909797	21	3 21.6	20.0
286212	2001 UO_{97}	15.6	X	168.25807	26.71014	52.71222	11.37328	0.0691067	0.17925507	3.1152178	21	5 23.0	20.3
286213	2001 UG_{99}	15.9	X	261.55537	213.76903	205.76073	9.96067	0.0927655	0.18866858	3.0107151	21	8 6.8	20.3
286214	2001 UA_{102}	16.7	X	148.28141	134.03630	200.85109	3.86737	0.1547479	0.21519789	2.7578928	21	—	—
286215	2001 UU_{102}	17.1	X	251.14123	297.56757	83.41221	2.83571	0.1122771	0.23443377	2.6048893	21	6 5.0	20.6
286216	2001 UH_{103}	16.0	X	290.93002	129.74752	197.77783	9.66691	0.0212915	0.18367865	3.0649984	21	6 1.1	20.4
286217	2001 UP_{107}	17.2	X	41.64332	246.45133	197.26899	1.95405	0.1988947	0.26030630	2.4292913	21	—	—
286218	2001 UX_{107}	17.2	X	145.06592	152.11015	186.89215	0.91450	0.1908785	0.26410749	2.4059258	21	—	—
286219	2001 UQ_{114}	17.8	X	227.66467	26.31609	60.37958	3.94079	0.1774043	0.28653090	2.2787066	21	7 31.5	21.1
286220	2001 UW_{114}	17.4	X	348.02535	137.49641	208.85549	5.08364	0.1615352	0.29314597	2.2442958	21	9 25.9	18.9
286221	2001 UP_{117}	15.1	X	177.91545	254.57759	224.00448	25.18467	0.2009175	0.18135070	3.0911724	21	7 15.1	20.8
286222	2001 UX_{120}	17.5	X	243.01261	253.46684	169.92934	2.47799	0.1172683	0.28617277	2.2806073	21	7 22.1	20.5
286223	2001 UV_{124}	15.4	X	217.80292	260.40262	117.65429	13.30178	0.1700687	0.17944426	3.1130278	21	5 2.2	20.7
286224	2001 UV_{131}	17.4	X	81.27726	326.31508	102.81142	2.15348	0.1559026	0.26456554	2.4031481	21	1 19.2	19.6
286225	2001 UJ_{132}	16.7	X	187.71991	345.68536	66.67337	9.01205	0.1848181	0.22624606	2.6673625	21	5 10.7	21.1
286226	2001 UY_{133}	16.2	X	108.98997	248.30629	28.38938	2.00278	0.0685760	0.20067970	2.8893518	21	11 20.8	20.5
286227	2001 UV_{140}	13.3	X	292.20688	301.20883	38.42634	9.29363	0.0821764	0.08365783	5.1776375	21	6 10.8	20.1
286228	2001 UH_{142}	16.0	X	226.14814	248.34497	181.26976	5.30899	0.1725246	0.18450060	3.0558886	21	7 5.1	20.9
286229	2001 UB_{144}	17.7	X	82.67106	243.39137	177.37127	2.37967	0.2014634	0.26375305	2.4080808	21	1 15.7	19.9
286230	2001 UP_{160}	15.5	X	206.13431	3.54385	57.27138	6.26968	0.1387415	0.17939938	3.1135469	21	6 7.6	20.4
286231	2001 UE_{164}	16.0	X	324.00343	202.99820	189.54154	9.92061	0.1080096	0.19465874	2.9486289	21	10 2.8	19.6
286232	2001 UR_{167}	15.7	X	238.07414	127.57129	264.68645	11.67009	0.3239333	0.23229882	2.6208252	21	5 18.8	20.4
286233	2001 UD_{172}	16.4	X	89.13790	5.33817	43.43129	6.92340	0.0251517	0.21546512	2.7556120	21	1 1.1	20.1
286234	2001 UE_{173}	16.0	X	265.51778	27.68829	43.21946	10.21055	0.0541275	0.19057058	2.9906492	21	9 9.9	20.3
286235	2001 UD_{174}	17.0	X	148.41985	287.37634	96.60887	2.86838	0.1723284	0.21909296	2.7251083	21	3 1.7	21.2
286236	2001 UN_{177}	17.4	X	81.42866	54.14111	20.32336	2.54574	0.2018038	0.26487554	2.4012727	21	2 4.1	19.6
286237	2001 UX_{185}	16.3	X	134.89773	341.42645	17.89689	13.89961	0.0699068	0.21726561	2.7403670	21	1 4.4	20.4
286238	2001 UG_{193}	16.4	X	59.94144	116.49251	214.04707	5.87495	0.0786155	0.20279442	2.8692302	21	12 2.6	20.3
286239	2001 UR_{193}	15.9	X	49.87767	200.26436	9.47708	13.62341	0.1197550	0.23388570	2.6089571	21	6 16.6	19.2
286240	2001 UF_{198}	16.6	X	114.13049	189.06780	221.98280	4.36969	0.0446018	0.21977641	2.7194557	21	2 4.8	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286241 2001 UQ_{200}	17.9	X	277.34159	344.46968	350.91974	2.96757	0.1362800	0.28328215	2.2960953	21	4 28.6	20.8
286242 2001 UL_{202}	16.9	X	147.10104	24.55993	15.83219	4.04883	0.1104612	0.22175095	2.7032885	21	3 13.7	20.9
286243 2001 UQ_{203}	17.2	X	187.77854	115.31188	5.54778	5.00308	0.0716934	0.28707534	2.2758246	21	8 10.9	20.3
286244 2001 UW_{210}	16.1	X	157.14996	84.74041	358.42856	4.93754	0.1481217	0.17783524	3.1317770	21	5 19.6	21.1
286245 2001 UX_{211}	17.0	X	131.64360	210.42116	228.77595	5.77004	0.1028710	0.27373975	2.3491503	21	4 5.6	20.2
286246 2001 UF_{212}	17.1	X	211.03405	184.49766	267.87159	2.24364	0.1442018	0.23499146	2.6007663	21	7 21.7	21.1
286247 2001 UX_{212}	15.7	X	129.28712	34.42648	47.23566	8.84472	0.0492176	0.17254559	3.1954606	21	4 13.5	20.3
286248 2001 UK_{216}	16.5	X	70.39837	297.44703	103.88880	3.01277	0.0763759	0.21175341	2.7877197	21	—	—
286249 2001 UP_{216}	17.4	X	265.91975	256.19590	118.35885	1.95503	0.1464057	0.23622348	2.5917156	21	6 9.8	21.0
286250 2001 UQ_{216}	15.6	X	88.20497	245.74012	42.65039	8.57614	0.0397415	0.19991363	2.8967284	21	11 8.2	19.7
286251 2001 UM_{219}	15.8	X	308.83105	90.05024	211.22307	14.91359	0.0402170	0.18091069	3.0961826	21	5 19.4	20.1
286252 2001 US_{221}	16.7	X	81.11096	159.79173	223.34617	5.01508	0.0697899	0.20895363	2.8125663	21	—	—
286253 2001 UZ_{222}	17.0	X	76.80024	91.72578	286.58131	7.48203	0.2174638	0.21099513	2.7943948	21	—	—
286254 2001 UJ_{226}	16.7	X	240.86543	208.91126	84.25560	4.59887	0.0789781	0.22257239	2.6966330	21	2 7.2	20.6
286255 2001 UZ_{226}	16.5	X	149.11412	318.33175	53.05023	7.23309	0.0527666	0.21949460	2.7217829	21	2 3.5	20.4
286256 2001 UE_{227}	16.7	X	105.39229	195.06895	166.68002	7.51944	0.1139305	0.21239312	2.7821194	21	—	—
286257 2001 UW_{229}	17.4	X	345.82835	167.60400	149.48926	6.55749	0.1465394	0.29193457	2.2505001	21	7 30.9	19.1
286258 2001 UB_{230}	16.1	X	242.11627	240.13815	197.96613	9.58285	0.0256399	0.19130237	2.9830176	21	8 16.2	20.4
286259 2001 VQ_{3}	17.6	X	118.28409	256.41792	225.22282	5.67119	0.0636072	0.27719358	2.3295959	21	5 13.2	20.5
286260 2001 VC_{7}	16.9	X	188.67245	129.55444	231.80656	3.90068	0.1314019	0.22197555	2.7014646	21	3 6.6	21.3
286261 2001 VQ_{8}	17.9	X	319.62168	243.45269	114.98105	1.05414	0.2548119	0.29041575	2.2583397	21	7 25.2	18.9
286262 2001 VK_{17}	17.0	X	270.89010	283.71397	78.23502	7.25155	0.1235634	0.28304421	2.2973819	21	5 31.2	19.9
286263 2001 VC_{19}	17.1	X	286.66847	315.55021	39.60733	5.58875	0.2584312	0.28640934	2.2793513	21	5 20.5	20.0
286264 2001 VR_{25}	17.5	X	295.67257	357.25512	28.88410	3.18030	0.1559281	0.28878154	2.2668516	21	8 9.7	19.7
286265 2001 VQ_{32}	15.1	X	278.29099	330.92350	57.91890	12.77245	0.2351280	0.18589153	3.0406259	21	7 1.5	19.6
286266 2001 VH_{39}	17.2	X	222.56981	165.28335	244.18858	3.97332	0.1468177	0.28095442	2.3087601	21	6 6.7	20.4
286267 2001 VH_{51}	15.1	X	267.77188	193.41441	229.35105	21.72866	0.1075739	0.19015554	2.9949994	21	8 11.1	19.8
286268 2001 VN_{51}	15.3	X	22.41970	328.79454	13.51572	12.17626	0.0657889	0.19671180	2.9280767	21	10 23.8	19.1
286269 2001 VG_{56}	15.9	X	262.87958	131.97436	247.12814	11.75474	0.1850704	0.18476147	3.0530115	21	6 8.5	20.4
286270 2001 VV_{68}	16.3	X	296.27789	30.93244	15.97765	17.46867	0.1247765	0.19205007	2.9752702	21	9 12.3	20.2
286271 2001 VX_{69}	17.0	X	321.47434	24.85603	313.23531	4.72177	0.2038811	0.28782236	2.2718851	21	7 3.5	18.9
286272 2001 VN_{73}	16.5	X	299.23184	95.90899	251.03721	3.36462	0.2437667	0.18612283	3.0381062	21	6 2.9	20.6
286273 2001 VA_{77}	16.4	X	326.58708	244.28033	101.36123	22.41296	0.2807330	0.28908365	2.2652720	21	7 14.8	17.7
286274 2001 VZ_{77}	17.3	X	341.62397	267.14613	256.07638	1.64082	0.1101240	0.26221968	2.4174594	21	—	—
286275 2001 VW_{81}	16.5	X	320.92683	64.40512	231.47177	22.78262	0.2585511	0.28370715	2.2938016	21	4 10.5	19.3
286276 2001 VE_{85}	15.9	X	358.76015	131.44039	223.43377	10.96851	0.0821225	0.19296393	2.9658689	21	10 6.2	19.7
286277 2001 VF_{87}	16.8	X	172.55482	161.59188	230.62945	24.07398	0.1206645	0.37044841	1.9200722	21	3 2.6	19.8
286278 2001 VG_{87}	15.8	X	313.99137	339.82291	208.64043	15.19365	0.0307228	0.21533563	2.7567166	21	—	—
286279 2001 VM_{92}	16.1	X	288.58760	261.77881	138.23215	9.66825	0.2732139	0.18881452	3.0091635	21	7 22.9	20.2
286280 2001 VO_{100}	15.5	X	261.14732	221.80748	182.29107	9.40641	0.1513251	0.18532464	3.0468233	21	7 11.2	20.1
286281 2001 VR_{103}	17.4	X	296.18961	107.90245	260.08522	3.81447	0.1942102	0.28782912	2.2718495	21	7 3.9	19.9
286282 2001 VA_{107}	17.8	X	308.68569	112.98754	254.07750	2.35222	0.1897191	0.28977765	2.2616538	21	7 26.4	19.6
286283 2001 VM_{109}	17.6	X	274.65573	81.31322	303.53864	2.26536	0.1746656	0.28683432	2.2770993	21	6 30.3	20.3
286284 2001 VC_{111}	16.5	X	115.70134	49.90983	34.80044	5.84511	0.1475324	0.21943175	2.7223027	21	4 8.1	20.2
286285 2001 VO_{111}	15.1	X	290.04553	93.49896	250.12152	9.51218	0.1635078	0.18298203	3.0727726	21	5 29.7	19.3
286286 2001 VA_{116}	15.3	X	233.98987	122.95452	261.05989	10.48600	0.1812861	0.17925765	3.1151879	21	5 16.9	20.3
286287 2001 VO_{124}	18.1	X	207.11181	41.66746	42.01593	2.62448	0.1626297	0.28293377	2.2979797	21	7 6.3	21.5
286288 2001 VV_{125}	15.5	X	314.31379	72.99070	231.94088	9.18451	0.0581226	0.18056665	3.1001142	21	5 28.6	19.6
286289 2001 VH_{126}	17.5	X	235.60073	273.99122	77.25717	4.20924	0.0276317	0.27535146	2.3399745	21	4 14.1	20.5
286290 2001 VN_{126}	15.9	X	109.65896	249.45358	131.23893	12.31549	0.0687298	0.21178739	2.7874215	21	—	—
286291 2001 VP_{130}	15.7	X	86.20110	43.21412	148.31206	12.97826	0.1004578	0.18103522	3.0947625	21	7 12.5	20.2
286292 2001 VX_{133}	16.7	X	202.70812	246.99661	90.79204	4.58388	0.1143517	0.22307790	2.6925577	21	2 22.5	20.9
286293 2001 VY_{133}	17.2	X	67.47100	319.43387	136.78800	5.99634	0.1524374	0.26692264	2.3889796	21	1 31.6	19.3
286294 2001 VA_{134}	15.6	X	43.00686	210.36400	69.98113	13.15700	0.1027621	0.19251149	2.9705141	21	9 17.1	19.7
286295 2001 WJ_{8}	17.8	X	46.38610	190.39305	174.00106	2.77996	0.1688740	0.30225481	2.1989764	21	—	—
286296 2001 WB_{9}	17.6	X	270.29300	276.56941	113.22642	3.75392	0.1614060	0.28578889	2.2826491	21	7 3.4	20.5
286297 2001 WH_{10}	15.6	X	233.51706	50.07629	344.68194	10.41212	0.1382030	0.18069469	3.0986495	21	5 31.6	20.6
286298 2001 WO_{10}	16.5	X	70.76394	346.48511	70.67896	5.57722	0.0880303	0.21101522	2.7942175	21	—	—
286299 2001 WK_{11}	17.2	X	118.47492	263.11487	98.50716	4.26510	0.2016839	0.26234368	2.4166976	21	—	—
286300 2001 WH_{16}	16.0	X	269.00406	297.46113	42.71191	11.26018	0.2239836	0.18209533	3.0827396	21	4 24.5	20.9
286301 2001 WQ_{17}	15.9	X	290.55544	142.10659	233.03845	8.22235	0.1496004	0.18831683	3.0144631	21	7 11.1	20.0
286302 2001 WZ_{17}	16.1	X	167.52102	178.16696	229.54036	13.40894	0.0701193	0.22488498	2.6781141	21	4 7.0	20.1
286303 2001 WG_{18}	17.6	X	248.34441	237.29263	226.12581	4.39024	0.1623228	0.29148390	2.2528192	21	9 16.5	20.4
286304 2001 WA_{19}	17.6	X	97.56091	166.39083	239.52587	1.98022	0.1625900	0.26453984	2.4033037	21	1 14.7	20.2
286305 2001 WS_{20}	17.7	X	294.15541	258.46452	139.03279	2.86340	0.2148103	0.29020784	2.2594182	21	8 12.6	19.9
286306 2001 WC_{33}	16.7	X	109.63708	23.36448	76.37617	6.21442	0.1481766	0.22077347	2.7112618	21	4 21.5	20.5
286307 2001 WU_{42}	15.8	X	167.07420	24.09973	63.74360	5.84837	0.1228622	0.17792039	3.1307777	21	6 3.7	20.8
286308 2001 WB_{46}	18.2	X	335.76450	135.62922	282.03305	1.31212	0.1474508	0.29805104	2.2196046	21	12 26.8	19.9
286309 2001 WO_{52}	15.6	X	94.75771	72.13081	43.25039	10.58713	0.0279357	0.17335831	3.1854657	21	4 10.6	20.1
286310 2001 WF_{54}	13.4	X	309.66546	321.49360	19.39927	4.36622	0.0929178	0.08354633	5.1822431	21	7 4.1	20.1
286311 2001 WB_{55}	17.8	X	5.53645	243.38129	254.75394	2.11433	0.0465279	0.31350773	2.1460370	21	—	—
286312 2001 WR_{60}	17.8	X	121.97949	70.78546	45.52930	3.57483	0.1879741	0.27428771	2.3460206	21	5 26.8	21.0
286313 2001 WT_{63}	16.3	X	76.83770	6.04960	52.97702	6.05561	0.0219762	0.21103379	2.7940535	21	—	—
286314 2001 WV_{66}	16.9	X	147.48236	204.19930	177.32272	3.30609	0.1065330	0.21888275	2.7268527	21	2 17.2	20.8
286315 2001 WM_{67}	17.0	X	86.76450	35.65119	51.17221	7.37205	0.0442385	0.26827003	2.3809738	21	2 9.8	19.9
286316 2001 WS_{67}	17.9	X	32.96457	307.98405	148.93079	1.71413	0.1510523	0.26091301	2.4255239	21	—	—
286317 2001 WM_{68}	17.4	X	15.77602	315.67283	164.22313	1.38299	0.1411289	0.26118647	2.4238306	21	—	—
286318 2001 WA_{78}	15.8	X	323.66602	111.77166	227.30387	7.39096	0.1236245	0.18685927	3.0301185	21	7 17.2	19.6
286319 2001 WY_{78}	15.5	X	315.32819	101.28692	232.85569	8.83916	0.0732755	0.18401106	3.0613061	21	7 4.1	19.7
286320 2001 WK_{79}	16.3	X	90.94932	338.77935	74.43170	6.61969	0.0274495	0.21273809	2.7791109	21	1 10.0	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286321 2001 WJ_{81}	17.1	X	191.56252	193.64624	206.51180	2.92739	0.1851505	0.22569078	2.6717358	21	4 28.0	21.4
286322 2001 WD_{83}	15.7	X	158.12164	7.22818	77.47387	3.01896	0.0674069	0.17578702	3.1560570	21	5 19.6	20.3
286323 2001 WC_{90}	15.4	X	284.74011	343.12252	27.94746	13.64098	0.1789320	0.18645909	3.0344525	21	6 24.5	19.9
286324 2001 WU_{93}	16.8	X	216.07952	146.62917	178.30656	3.73768	0.2208744	0.22282511	2.6945938	21	2 16.5	21.4
286325 2001 WY_{94}	17.0	X	265.90425	302.12022	73.59451	3.13280	0.1528814	0.23405829	2.6076744	21	6 10.3	20.6
286326 2001 WV_{99}	16.4	X	163.81338	339.34797	81.26850	13.70920	0.1420809	0.22312485	2.6921799	21	5 1.6	20.8
286327 2001 WJ_{101}	17.6	X	216.95119	100.34199	56.83965	3.07140	0.0569670	0.29421104	2.2388762	21	11 7.7	20.3
286328 2001 XX_{2}	16.0	X	75.22227	263.50945	269.87835	22.09853	0.2455827	0.27329550	2.3516954	21	6 25.7	18.6
286329 2001 XW_{8}	17.4	X	1.17700	61.39346	12.99933	4.06984	0.1200042	0.30231318	2.1986934	21	—	—
286330 2001 XD_{9}	16.2	X	6.96910	50.69847	346.12006	4.28082	0.1736725	0.19847103	2.9107481	21	12 25.9	19.6
286331 2001 XE_{10}	15.2	X	245.10706	134.02267	286.74411	15.90934	0.2096493	0.18214205	3.0822125	21	7 9.5	20.0
286332 2001 XC_{12}	16.6	X	182.76153	50.94941	45.17680	13.89365	0.2388522	0.22932193	2.6434575	21	6 28.4	21.4
286333 2001 XO_{12}	16.1	X	55.91435	106.25950	290.56793	13.98831	0.1556485	0.20543135	2.8446242	21	—	—
286334 2001 XB_{13}	16.1	X	243.10617	88.50285	330.45156	9.57005	0.2180686	0.18233100	3.0800826	21	7 6.0	21.1
286335 2001 XP_{15}	15.3	X	132.97434	68.97733	47.90062	25.63306	0.2052000	0.17172890	3.2055837	21	6 7.7	20.7
286336 2001 XW_{28}	16.6	X	237.33987	221.64094	239.57710	6.20875	0.1429801	0.28637873	2.2795137	21	8 31.2	19.8
286337 2001 XN_{32}	16.3	X	125.90162	145.34677	242.40610	4.89411	0.0317114	0.21419574	2.7664882	21	1 21.0	20.1
286338 2001 XP_{34}	15.6	X	24.80872	147.70006	289.23488	14.26410	0.1114029	0.20535411	2.8453375	21	—	—
286339 2001 XU_{40}	15.3	X	279.96316	40.49806	0.29667	8.76534	0.1426345	0.18466908	3.0540298	21	8 4.9	19.5
286340 2001 XS_{43}	15.2	X	204.68120	77.64925	324.34271	10.44241	0.1078742	0.17488791	3.1668648	21	5 12.4	20.4
286341 2001 XJ_{56}	17.4	X	281.32048	345.01630	90.70118	6.72421	0.2163609	0.24031685	2.5622012	21	9 16.2	20.5
286342 2001 XZ_{70}	15.5	X	219.29384	333.87713	70.37649	10.54766	0.1321972	0.18046823	3.1012411	21	5 31.7	20.4
286343 2001 XH_{82}	17.2	X	288.95819	328.39156	52.46594	6.01365	0.1853794	0.23620283	2.5918666	21	7 13.9	20.5
286344 2001 XV_{90}	16.7	X	278.77572	125.98430	268.17567	4.33569	0.2957296	0.18764916	3.0216092	21	6 30.5	21.1
286345 2001 XJ_{94}	16.8	X	242.21369	132.05534	267.51746	9.19310	0.2687884	0.23308050	2.6149622	21	6 4.6	21.3
286346 2001 XK_{94}	15.4	X	107.58019	120.45764	64.82457	21.64781	0.0301451	0.18216468	3.0819572	21	7 24.8	20.1
286347 2001 XW_{112}	17.0	X	55.73606	209.06183	254.65467	18.89790	0.0836737	0.36278108	1.9470314	21	—	—
286348 2001 XL_{123}	15.9	X	207.83781	241.13451	77.86006	13.63292	0.1015628	0.21738323	2.7393784	21	2 7.4	20.3
286349 2001 XV_{123}	15.4	X	184.91855	188.72023	240.16323	8.05002	0.0685962	0.17742757	3.1365724	21	5 28.9	20.0
286350 2001 XP_{125}	15.7	X	331.11891	105.09655	235.67171	8.43716	0.1067021	0.18816936	3.0160378	21	8 1.4	19.6
286351 2001 XW_{125}	15.6	X	243.84985	191.59329	223.51152	8.82832	0.0850212	0.18355005	3.0664299	21	7 12.9	20.3
286352 2001 XG_{129}	16.3	X	203.83674	283.89113	73.56961	15.07699	0.1401802	0.22193252	2.7018138	21	3 26.3	20.9
286353 2001 XH_{129}	17.3	X	272.71005	282.52718	84.14396	3.57164	0.1750678	0.28343905	2.2952479	21	6 1.6	20.3
286354 2001 XK_{130}	17.2	X	283.65927	173.18936	240.75801	6.49245	0.0491693	0.28912767	2.2650421	21	9 13.6	19.8
286355 2001 XR_{130}	16.9	X	211.34516	160.98037	230.23619	3.44047	0.1440889	0.22692086	2.6620718	21	5 4.9	21.2
286356 2001 XY_{131}	17.2	X	294.99444	271.85752	246.99030	5.59770	0.0577925	0.30416884	2.1897418	21	—	—
286357 2001 XU_{134}	16.6	X	229.98144	276.01186	74.80062	8.61937	0.2747969	0.22605741	2.6688462	21	4 1.3	21.4
286358 2001 XT_{135}	16.7	X	238.01339	214.34718	225.05867	4.95337	0.1971428	0.18393016	3.0622037	21	7 25.5	21.5
286359 2001 XK_{140}	15.4	X	248.85000	285.28243	87.16175	12.39969	0.1531735	0.17900775	3.1180865	21	5 22.5	20.3
286360 2001 XH_{141}	16.0	X	6.51947	232.47681	128.08815	2.68861	0.1949816	0.19545036	2.9406617	21	11 9.9	19.2
286361 2001 XJ_{144}	17.3	X	211.06016	348.68304	150.80074	2.54324	0.0929460	0.28850572	2.2682962	21	10 1.7	20.3
286362 2001 XZ_{144}	17.1	X	238.10060	316.36164	99.29106	7.47481	0.0962722	0.28238321	2.3009656	21	7 8.0	20.0
286363 2001 XB_{150}	18.1	X	221.14253	25.73525	74.70057	2.79560	0.1908055	0.28427840	2.2907278	21	8 10.8	21.5
286364 2001 XY_{153}	16.9	X	80.32858	165.73633	264.08541	5.88687	0.1210140	0.26164138	2.4210203	21	1 13.8	19.5
286365 2001 XU_{158}	17.4	X	174.89407	336.69098	108.02966	3.05117	0.1731057	0.27627601	2.3347511	21	6 6.4	20.9
286366 2001 XV_{163}	15.8	X	324.25118	82.35865	303.13008	10.56065	0.1095968	0.19034681	2.9929926	21	9 17.3	19.6
286367 2001 XJ_{164}	17.4	X	68.38959	249.45641	157.88074	1.61765	0.1866837	0.25793840	2.4441361	21	—	—
286368 2001 XQ_{165}	15.6	X	224.25862	171.20893	261.36657	13.31574	0.0461153	0.18039267	3.1021071	21	7 15.7	20.2
286369 2001 XU_{177}	16.0	X	198.20081	317.58797	107.51330	15.95885	0.2315080	0.17591866	3.1544824	21	6 6.3	21.5
286370 2001 XS_{195}	16.4	X	181.78123	356.68137	123.78581	7.94404	0.1330000	0.27857618	2.3218816	21	7 30.7	19.8
286371 2001 XK_{200}	16.8	X	43.79499	243.23632	244.46925	5.43900	0.1169189	0.26587633	2.3952431	21	1 28.8	19.1
286372 2001 XA_{216}	17.3	X	9.37544	237.12417	274.62998	1.40827	0.1449465	0.26091475	2.4255131	21	1 1.5	19.7
286373 2001 XR_{220}	16.1	X	148.74029	36.77077	47.60773	6.15817	0.1586180	0.17371929	3.1810514	21	5 15.1	21.2
286374 2001 XL_{224}	18.0	X	237.54310	73.33000	30.05819	1.27368	0.1503447	0.28815562	2.2701331	21	9 6.5	20.8
286375 2001 XW_{226}	15.8	X	253.64737	333.21598	53.01251	9.89325	0.1220649	0.18156856	3.0886993	21	6 14.2	20.5
286376 2001 XS_{232}	17.3	X	138.60466	47.25911	56.16734	5.39791	0.1809733	0.27395301	2.3479310	21	5 26.6	20.6
286377 2001 XE_{235}	15.8	X	186.16786	166.88085	266.80756	9.61580	0.1518547	0.17671381	3.1450126	21	6 4.9	21.0
286378 2001 XN_{243}	16.2	X	183.85860	150.28762	314.97458	12.57337	0.1192898	0.22713826	2.6603730	21	7 13.7	20.4
286379 2001 XD_{246}	17.4	X	298.00649	290.61926	54.09021	5.81360	0.2319869	0.28493170	2.2872249	21	5 25.4	20.2
286380 2001 XS_{250}	16.0	X	274.91070	156.65926	255.44453	4.33600	0.2500870	0.18573354	3.0423499	21	7 24.3	20.5
286381 2001 XB_{259}	15.6	X	8.85396	4.61434	90.41920	16.23945	0.0985255	0.20606620	2.8387787	21	—	—
286382 2001 XS_{260}	16.7	X	270.20095	158.58994	238.60294	4.85862	0.2334935	0.18640661	3.0350220	21	7 2.8	21.3
286383 2001 XH_{261}	16.2	X	50.09556	151.13914	215.12236	8.72588	0.1301553	0.20176083	2.8790208	21	—	—
286384 2001 XZ_{263}	15.6	X	303.56819	74.81031	269.42776	9.64512	0.1089543	0.18380186	3.0636286	21	6 26.5	19.4
286385 2001 YM_{9}	15.9	X	296.77287	347.44062	31.93794	5.16091	0.2573908	0.18594177	3.0400781	21	7 10.9	19.9
286386 2001 YY_{9}	17.4	X	255.89253	113.98528	1.64941	4.51038	0.1167757	0.29023649	2.2592695	21	10 22.8	20.1
286387 2001 YZ_{9}	15.7	X	268.46108	330.73833	72.13718	12.09333	0.0824676	0.18170153	3.0871921	21	8 1.3	20.2
286388 2001 YT_{12}	16.4	X	70.40708	321.67987	66.10530	3.08758	0.0824229	0.20608951	2.8385646	21	—	—
286389 2001 YE_{16}	16.6	X	120.82293	92.23378	275.40979	3.42172	0.2053188	0.26089809	2.4256164	21	1 5.3	19.6
286390 2001 YO_{21}	16.9	X	41.25535	297.57738	181.48902	6.72319	0.1306798	0.26202547	2.4186538	21	1 13.1	19.3
286391 2001 YW_{21}	16.1	X	262.44270	95.22325	310.00406	3.88238	0.1296939	0.18517690	3.0484437	21	7 18.7	20.4
286392 2001 YZ_{21}	16.2	X	193.91385	75.85200	267.15175	5.13631	0.0335575	0.21749945	2.7384025	21	2 14.5	20.2
286393 2001 YD_{23}	17.4	X	114.20279	14.06119	51.31508	3.32298	0.1477174	0.26742961	2.3859594	21	3 6.2	20.4
286394 2001 YF_{23}	17.4	X	329.23674	151.06139	271.11641	2.76882	0.0931830	0.29701121	2.2247822	21	12 15.8	19.3
286395 2001 YA_{43}	16.7	X	1.39663	276.86193	74.51270	7.14410	0.2291797	0.24306270	2.5428681	21	11 4.1	18.9
286396 2001 YY_{49}	17.0	X	281.12655	96.55491	279.84039	3.74975	0.1192732	0.28347853	2.2950348	21	7 6.3	19.4
286397 2001 YE_{51}	17.8	X	161.16156	7.73041	60.11856	3.38040	0.2024455	0.27318913	2.3523058	21	5 4.1	21.6
286398 2001 YN_{53}	17.3	X	211.88676	46.00584	30.57539	2.36508	0.1299440	0.28056369	2.3109031	21	7 3.4	20.7
286399 2001 YZ_{53}	15.9	X	199.07980	352.57299	75.53271	2.42301	0.1763779	0.17700485	3.1415642	21	6 9.4	21.1
286400 2001 YQ_{54}	15.4	X	193.61918	126.17842	285.13525	7.91588	0.0889587	0.17536603	3.1611061	21	5 14.8	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286401 2001 YB_{66}	15.5	X	195.92529	254.46844	280.89317	8.11213	0.0631938	0.18894974	3.0077277	21	10 17.6	20.1
286402 2001 YW_{71}	16.8	X	222.84823	143.68526	307.15964	6.21619	0.0591388	0.28215346	2.3022145	21	8 11.3	19.8
286403 2001 YM_{77}	17.2	X	179.52387	329.48833	78.02038	3.60940	0.2191743	0.27280987	2.3544854	21	4 25.8	21.2
286404 2001 YH_{83}	17.6	X	235.12698	341.36701	87.38199	4.56401	0.1794244	0.28177012	2.3043021	21	7 13.7	21.0
286405 2001 YP_{83}	17.5	X	210.65379	146.44835	293.68240	2.15943	0.1884463	0.27956667	2.3163941	21	7 3.4	21.2
286406 2001 YF_{95}	16.6	X	256.41410	69.46519	302.90608	10.73481	0.1907656	0.27936411	2.3175137	21	5 16.7	20.2
286407 2001 YS_{95}	16.7	X	280.28786	78.31431	292.07583	5.46438	0.1147487	0.28051907	2.3111482	21	6 27.2	19.3
286408 2001 YF_{101}	16.4	X	211.85518	312.34590	105.41381	7.46087	0.1177275	0.22788053	2.6545928	21	6 10.1	20.5
286409 2001 YN_{103}	16.4	X	297.22873	228.15827	253.33955	1.86060	0.0935869	0.24644156	2.5195719	21	12 30.6	19.2
286410 2001 YD_{104}	17.2	X	237.55050	162.92978	252.97779	4.65773	0.1705285	0.28123397	2.3072298	21	6 29.1	20.5
286411 2001 YM_{105}	17.3	X	303.79878	273.29575	134.12446	4.41050	0.2324976	0.28973623	2.2618693	21	9 17.5	18.8
286412 2001 YN_{110}	15.7	X	268.61227	156.39820	239.92692	8.36432	0.1045818	0.18629052	3.0362828	21	7 16.2	20.0
286413 2001 YE_{120}	16.5	X	154.84233	197.44827	303.35011	7.13799	0.0944938	0.27769789	2.3267747	21	7 28.3	19.6
286414 2001 YV_{126}	16.8	X	244.92310	47.66543	328.38971	6.85636	0.1374804	0.27813804	2.3243193	21	5 14.9	20.3
286415 2001 YG_{133}	16.0	X	69.95560	344.85670	64.62263	10.18351	0.1244704	0.20597052	2.8396578	21	—	—
286416 2001 YP_{138}	16.1	X	235.50202	334.28896	114.44809	3.88172	0.1495175	0.18071789	3.0983843	21	8 10.1	20.8
286417 2001 YY_{142}	16.4	X	130.44169	190.26003	296.93618	0.42551	0.1784204	0.17423569	3.1747630	21	6 20.6	21.4
286418 2001 YH_{149}	15.9	X	249.59623	53.63462	32.91291	8.02868	0.1255971	0.18483856	3.0521626	21	8 29.1	20.4
286419 2001 YQ_{149}	15.9	X	230.13703	106.61639	304.26334	12.59084	0.1865222	0.17959875	3.1112424	21	6 15.8	21.0
286420 2001 YH_{150}	15.9	X	251.64181	255.25054	138.64506	10.26686	0.2234778	0.18298901	3.0726945	21	6 12.5	20.9
286421 2001 YJ_{150}	16.5	X	264.99978	321.35656	109.88025	16.17766	0.0856314	0.23806746	2.5783153	21	9 9.4	20.1
286422 2001 YU_{152}	15.7	X	199.02113	47.09954	64.44756	11.01292	0.1776267	0.17921009	3.1157390	21	8 3.9	21.0
286423 2001 YT_{154}	14.6	X	161.89686	165.81792	284.77677	32.43354	0.0847603	0.17037396	3.2225568	21	6 3.3	19.9
286424 2001 YQ_{156}	15.8	X	190.79676	27.64311	73.51690	22.90234	0.1423787	0.17700560	3.1415554	21	7 12.7	21.1
286425 2001 YZ_{156}	17.5	X	301.42153	15.11004	51.52936	3.84559	0.1111360	0.29098543	2.2553912	21	10 29.9	19.5
286426 2001 YE_{160}	15.5	X	271.05723	18.42773	27.69801	14.06828	0.2836675	0.18381920	3.0634359	21	7 10.9	20.4
286427 2001 YC_{162}	16.8	X	243.88071	121.70457	338.86583	12.40446	0.0534351	0.28549250	2.2842287	21	9 21.4	19.7
286428 2001 YD_{162}	15.5	X	257.96686	138.42670	321.99787	9.31123	0.0273281	0.18623647	3.0368702	21	10 1.6	19.9
286429 2002 AK_{6}	16.8	X	64.86795	297.65727	61.42896	8.31179	0.1560032	0.29811493	2.2192875	21	—	—
286430 2002 AS_{7}	15.6	X	300.92769	307.99370	89.22241	14.34748	0.1378978	0.18646033	3.0344390	21	9 3.9	19.7
286431 2002 AQ_{12}	17.0	X	171.08696	170.26482	296.13266	1.75221	0.1922766	0.27503736	2.3417557	21	7 1.5	20.8
286432 2002 AG_{13}	15.7	X	247.31984	111.32828	304.23138	9.95617	0.2688420	0.17940867	3.1134395	21	6 30.4	20.8
286433 2002 AL_{17}	17.1	X	295.00781	29.22579	289.43232	18.19746	0.0696684	0.37457505	1.9059441	21	4 23.1	19.6
286434 2002 AM_{19}	17.8	X	238.29199	22.33888	103.21410	1.61818	0.1535863	0.28811564	2.2703431	21	10 8.3	20.6
286435 2002 AF_{23}	16.1	X	97.46853	221.90109	238.96481	7.02003	0.1881817	0.21522913	2.7576259	21	4 9.8	19.9
286436 2002 AO_{29}	15.1	X	151.47756	190.57864	268.10997	17.59169	0.1467389	0.17513377	3.1639003	21	6 3.6	20.2
286437 2002 AN_{30}	17.1	X	142.65214	260.11313	272.18522	1.28413	0.1434259	0.27944892	2.3170448	21	8 28.4	20.5
286438 2002 AS_{39}	16.9	X	122.86132	283.15913	233.17857	1.95875	0.0933646	0.27455092	2.3445209	21	7 11.3	20.0
286439 2002 AG_{40}	15.2	X	179.54378	355.36252	135.82762	10.58809	0.0708916	0.17722837	3.1389222	21	8 8.8	19.9
286440 2002 AA_{42}	15.8	X	266.93133	263.90934	124.67812	10.36275	0.2709809	0.18229045	3.0805394	21	6 15.4	20.6
286441 2002 AG_{43}	15.5	X	210.88793	309.29503	111.09272	10.48692	0.0944842	0.17570140	3.1570823	21	6 15.1	20.3
286442 2002 AY_{47}	16.9	X	147.19189	150.97158	294.10542	9.25437	0.1843744	0.27097975	2.3650745	21	5 8.9	20.7
286443 2002 AS_{49}	17.5	X	144.59536	170.65632	281.26950	0.44779	0.1479373	0.27078381	2.3662153	21	5 14.9	21.0
286444 2002 AD_{52}	16.0	X	278.56525	47.80628	144.80322	6.28738	0.1695204	0.19939052	2.9017926	21	—	—
286445 2002 AK_{62}	15.3	X	201.07270	135.86092	310.99498	10.37561	0.3050810	0.17595888	3.1540017	21	7 1.0	21.1
286446 2002 AC_{67}	15.7	X	269.13134	338.55622	98.58155	10.92195	0.0237222	0.18512694	3.0489921	21	9 26.9	20.1
286447 2002 AE_{71}	15.5	X	252.25859	123.91367	281.50532	15.46133	0.0770842	0.18091269	3.0961597	21	7 12.6	20.0
286448 2002 AA_{72}	17.4	X	307.27748	220.92932	302.33740	4.16039	0.0703340	0.30477898	2.1868183	21	—	—
286449 2002 AV_{72}	16.3	X	258.63128	106.83605	304.22729	5.33350	0.2065919	0.18277703	3.0750698	21	7 11.8	21.0
286450 2002 AJ_{73}	16.6	X	267.89199	89.91176	22.08847	2.57366	0.2239245	0.19040917	2.9923391	21	10 5.2	20.6
286451 2002 AW_{75}	16.5	X	84.97605	130.52537	293.10180	7.40219	0.1530827	0.20965038	2.8063314	21	1 30.7	19.9
286452 2002 AR_{78}	17.0	X	7.36877	177.68344	303.95736	7.63188	0.1134754	0.25601984	2.4563315	21	—	—
286453 2002 AO_{82}	15.4	X	267.30361	292.60276	110.61558	20.72067	0.2705621	0.18445603	3.0563809	21	7 3.4	20.2
286454 2002 AP_{88}	16.7	X	235.93388	202.80471	249.28911	5.92362	0.0687285	0.28356089	2.2945903	21	8 26.8	19.7
286455 2002 AA_{94}	15.4	X	127.30335	178.20578	350.96426	4.41811	0.1131776	0.17550520	3.1594347	21	8 3.7	20.3
286456 2002 AJ_{97}	17.1	X	167.68002	147.52624	328.25046	2.38454	0.1498321	0.27657744	2.3330545	21	7 10.2	20.6
286457 2002 AZ_{98}	15.4	X	226.71688	87.06666	316.65871	11.09107	0.1260161	0.17529047	3.1620144	21	6 7.3	20.5
286458 2002 AA_{102}	16.2	X	90.34929	25.16254	74.95666	5.32196	0.0344308	0.21336143	2.7736954	21	3 12.7	19.9
286459 2002 AA_{111}	15.6	X	176.00090	55.84111	111.89912	9.70062	0.1103678	0.18157992	3.0885704	21	9 22.8	20.6
286460 2002 AJ_{111}	17.3	X	211.70653	342.56528	119.43655	4.91610	0.1723015	0.28053138	2.3110805	21	8 3.9	20.9
286461 2002 AN_{112}	16.1	X	331.27744	81.10127	89.88719	2.98173	0.1631410	0.20333209	2.8641698	21	—	—
286462 2002 AE_{128}	16.7	X	149.04138	311.72973	129.67318	8.63999	0.1648177	0.21868102	2.7285295	21	5 13.1	21.1
286463 2002 AP_{131}	17.0	X	256.96045	26.74689	306.98146	18.07215	0.0885509	0.37102287	1.9180898	21	3 17.0	19.7
286464 2002 AE_{136}	17.0	X	197.52462	296.80204	148.71600	3.41477	0.1612509	0.22789739	2.6544618	21	6 29.1	21.3
286465 2002 AO_{136}	16.4	X	243.84586	239.16188	117.81037	10.34617	0.1326736	0.27362525	2.3498056	21	4 26.2	20.0
286466 2002 AP_{137}	17.1	X	155.48118	122.21097	7.78363	3.63160	0.1059244	0.27543842	2.3394820	21	7 15.6	20.4
286467 2002 AR_{138}	16.3	X	300.14007	268.00539	161.22559	3.31553	0.0939864	0.18902960	3.0068806	21	10 15.3	20.0
286468 2002 AM_{144}	15.7	X	232.58408	285.04660	117.28300	18.27443	0.1399819	0.17634759	3.1493652	21	6 13.5	20.8
286469 2002 AN_{144}	15.9	X	238.00033	343.55262	118.63701	11.05196	0.0291869	0.18314057	3.0709991	21	9 16.8	20.4
286470 2002 AV_{145}	17.1	X	276.65684	47.63862	182.73358	1.78240	0.1514840	0.25543708	2.4600660	21	—	—
286471 2002 AZ_{147}	15.6	X	197.23725	113.49939	54.56754	11.80521	0.1258989	0.18667141	3.0321512	21	10 13.6	20.4
286472 2002 AQ_{149}	15.4	X	326.22484	72.14445	296.42511	15.38144	0.1468080	0.18463132	3.0544461	21	8 24.3	19.1
286473 2002 AJ_{150}	15.8	X	287.88692	289.78632	107.16123	10.58571	0.1354182	0.18254503	3.0776747	21	8 10.4	19.9
286474 2002 AN_{150}	16.6	X	90.42575	118.43342	325.81557	4.18177	0.1347950	0.21180389	2.7872768	21	3 3.4	20.2
286475 2002 AC_{152}	15.6	X	239.00113	297.17990	132.38928	17.26350	0.1972131	0.17826601	3.1267298	21	7 15.5	20.6
286476 2002 AO_{159}	15.5	X	283.08654	108.75743	301.92734	11.44591	0.0300143	0.18030864	3.1030709	21	8 30.8	20.0
286477 2002 AV_{167}	15.1	X	187.69758	11.42574	154.70516	28.81075	0.1109156	0.18024959	3.1037485	21	10 1.6	20.2
286478 2002 AD_{168}	16.9	X	135.92377	69.45415	129.03348	6.96519	0.0493152	0.28130029	2.3068672	21	9 24.5	19.9
286479 2002 AJ_{169}	17.3	X	193.99135	7.42003	56.66386	4.04762	0.1077277	0.27552754	2.3389774	21	5 28.2	20.5
286480 2002 AF_{171}	16.3	X	135.25797	99.92908	314.91245	5.22106	0.0592222	0.21334243	2.7738601	21	3 10.7	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286481 2002 AD_{175}	16.7	X	157.52833	150.21114	325.33299	3.03259	0.1954039	0.27451941	2.3447004	21	7 1.5	20.5
286482 2002 AZ_{175}	17.3	X	137.72245	141.82606	341.08789	0.90372	0.1318848	0.27226955	2.3575993	21	6 16.8	20.5
286483 2002 AL_{181}	15.8	X	283.26089	74.36163	338.08699	15.80131	0.1338463	0.18474555	3.0531869	21	8 24.4	19.8
286484 2002 AE_{185}	15.6	X	240.44658	302.49285	128.75695	10.67119	0.1303962	0.18070555	3.0985254	21	7 25.9	20.1
286485 2002 AY_{188}	15.9	X	213.38776	274.55852	268.23700	6.51201	0.0859982	0.18926054	3.0044340	21	11 15.1	20.3
286486 2002 AR_{192}	17.0	X	209.69610	135.63675	298.43010	5.11971	0.0700078	0.27772041	2.3266489	21	7 1.3	20.1
286487 2002 AR_{196}	17.8	X	164.59877	168.39599	246.56003	1.12309	0.1765149	0.27081529	2.3660319	21	4 18.6	21.3
286488 2002 AO_{200}	15.9	X	126.69106	18.40616	138.03208	13.79930	0.1205157	0.22479000	2.6788684	21	7 18.0	19.9
286489 2002 AC_{202}	17.0	X	206.12276	254.03645	154.05816	7.00296	0.1620980	0.27397764	2.3477903	21	5 20.7	20.7
286490 2002 AJ_{206}	16.1	X	274.16543	208.71395	114.38112	14.69265	0.2345522	0.23156243	2.6263785	21	4 9.6	20.4
286491 2002 AK_{206}	15.6	X	119.25612	234.17442	201.62439	20.65308	0.0938039	0.17086346	3.2163990	21	3 27.9	20.3
286492 2002 AM_{209}	16.6	X	156.01622	335.01973	91.75255	11.37580	0.0755939	0.22708024	2.6608260	21	4 26.4	20.6
286493 2002 AN_{209}	15.5	X	251.16283	149.18617	335.14506	10.66276	0.0818622	0.18865724	3.0108358	21	10 15.0	19.9
286494 2002 AP_{209}	16.4	X	59.84796	287.98963	139.30330	6.55403	0.0394877	0.20137013	2.8827436	21	—	—
286495 2002 BW_{17}	16.7	X	263.58871	309.69279	130.96900	6.23224	0.1202525	0.23431372	2.6057789	21	9 10.4	20.1
286496 2002 BL_{20}	17.5	X	228.37124	47.38673	316.27710	17.97495	0.0868150	0.37047746	1.9199718	21	3 25.6	20.3
286497 2002 BQ_{24}	16.9	X	249.72283	18.77125	69.94512	11.21870	0.1265851	0.28327416	2.2961385	21	9 11.1	20.0
286498 2002 BY_{24}	17.7	X	208.90861	319.54626	169.57104	3.22790	0.1782994	0.28272386	2.2991170	21	9 5.4	21.0
286499 2002 BF_{27}	15.8	X	225.44719	87.73062	322.83373	8.96178	0.1289752	0.17617460	3.1514265	21	6 14.8	20.9
286500 2002 BQ_{28}	16.8	X	129.15306	159.39277	15.05028	8.49057	0.1779493	0.27685848	2.3314754	21	8 23.6	20.5
286501 2002 BB_{31}	17.5	X	248.18022	117.40754	295.07236	3.66258	0.2416776	0.28034815	2.3120874	21	6 28.7	20.9
286502 2002 BJ_{31}	15.1	X	98.67663	307.36671	284.30016	6.62809	0.0808682	0.17833492	3.1259243	21	9 10.9	19.8
286503 2002 BH_{32}	16.0	X	251.66133	295.46627	341.81824	11.95900	0.1096411	0.20288626	2.8683642	21	2 1.8	20.5
286504 2002 CM_{9}	16.6	X	190.74379	64.23317	332.91386	5.77945	0.1673973	0.26901427	2.3765804	21	4 17.8	20.4
286505 2002 CQ_{9}	17.1	X	285.93049	127.71657	48.46697	24.00892	0.1708748	0.29902201	2.2147971	21	—	—
286506 2002 CL_{14}	17.1	X	279.29628	327.90705	336.99134	18.97759	0.0914785	0.36557588	1.9370955	21	3 11.1	19.3
286507 2002 CW_{14}	17.8	X	258.63380	247.19419	276.71761	1.96583	0.0679359	0.29405159	2.2396854	21	—	—
286508 2002 CZ_{18}	15.9	X	124.65694	196.33091	337.54535	6.32701	0.1945353	0.17283592	3.1918811	21	8 13.1	21.1
286509 2002 CG_{23}	16.5	X	251.64770	120.15469	285.68413	10.01192	0.2568575	0.27981544	2.3150210	21	6 21.8	20.1
286510 2002 CX_{24}	15.5	X	247.47034	340.62813	140.58868	10.38686	0.1024283	0.18475265	3.0531087	21	10 11.9	20.0
286511 2002 CT_{25}	17.1	X	217.48420	328.45053	326.25068	17.52911	0.0398706	0.35603758	1.9715395	21	—	—
286512 2002 CG_{29}	16.0	X	85.98907	31.81172	72.72436	5.35853	0.0315130	0.21162618	2.7888369	21	3 12.5	19.7
286513 2002 CX_{29}	16.2	X	96.35621	343.74058	93.91896	10.64424	0.2119924	0.21155005	2.7895060	21	3 21.2	20.1
286514 2002 CG_{30}	17.4	X	335.83848	354.64026	76.82243	4.15690	0.1343453	0.29433669	2.2382389	21	—	—
286515 2002 CY_{31}	17.1	X	187.88025	66.01632	81.74427	5.34575	0.0451600	0.28169996	2.3046847	21	9 20.4	20.1
286516 2002 CC_{36}	16.9	X	282.69684	110.31904	321.46349	6.97567	0.1139689	0.28652116	2.2787582	21	9 28.5	19.4
286517 2002 CX_{37}	15.5	X	240.89386	141.85464	35.65904	13.28888	0.0801446	0.19032933	2.9931758	21	12 9.8	19.9
286518 2002 CA_{41}	15.2	X	80.89447	12.72370	244.16496	10.19113	0.0291846	0.17974644	3.1095379	21	9 12.6	19.9
286519 2002 CB_{46}	15.9	X	201.77966	20.16819	206.22432	13.80625	0.1533057	0.24088274	2.5581869	21	12 26.7	20.0
286520 2002 CL_{57}	15.2	X	223.39348	320.72403	164.82271	17.26787	0.1793611	0.18062155	3.0994860	21	9 8.9	20.1
286521 2002 CL_{67}	15.6	X	281.10240	89.32034	311.70854	13.43226	0.2471328	0.18447091	3.0562166	21	7 20.4	19.9
286522 2002 CZ_{67}	17.0	X	222.55650	271.00774	125.17499	7.01651	0.1091920	0.27390209	2.3482220	21	5 24.2	20.5
286523 2002 CA_{71}	16.9	X	347.19713	220.08413	142.19764	5.12711	0.1120217	0.28498858	2.2869205	21	10 19.4	19.0
286524 2002 CJ_{71}	16.8	X	158.66943	101.19386	334.13011	6.40101	0.0848515	0.26887224	2.3774172	21	4 30.3	20.2
286525 2002 CE_{72}	17.5	X	187.50458	93.49291	345.35789	0.98502	0.1568871	0.27418924	2.3465823	21	6 10.3	21.1
286526 2002 CO_{75}	15.0	X	269.25989	34.81020	330.69956	13.78901	0.0897950	0.17253508	3.1955904	21	6 11.1	19.8
286527 2002 CU_{75}	15.7	X	224.50280	128.89370	342.40379	7.54113	0.0438964	0.17975037	3.1094926	21	9 5.6	20.1
286528 2002 CG_{76}	15.5	X	216.94954	328.87830	137.35122	11.42344	0.1001158	0.17778990	3.1323094	21	8 16.7	20.1
286529 2002 CQ_{82}	15.3	X	249.08890	299.59106	147.10810	11.82679	0.0446583	0.17860155	3.1228124	21	9 5.6	19.6
286530 2002 CZ_{85}	17.5	X	204.44397	95.54458	329.46537	2.41823	0.1610469	0.27503894	2.3417467	21	6 8.2	21.1
286531 2002 CB_{87}	17.5	X	195.33040	81.94453	349.11738	1.71210	0.1911652	0.27470314	2.3436547	21	6 6.9	21.2
286532 2002 CM_{87}	17.1	X	226.34786	62.79301	341.13113	6.43297	0.1339865	0.27480211	2.3430920	21	6 3.1	20.7
286533 2002 CA_{88}	16.6	X	343.36722	277.14898	336.03082	7.42047	0.1517087	0.26519222	2.3993606	21	4 7.7	19.0
286534 2002 CZ_{88}	16.9	X	114.98111	265.74073	338.80455	5.12793	0.0772262	0.28325937	2.2962184	21	10 28.5	20.1
286535 2002 CU_{98}	16.4	X	189.64805	191.19245	14.57831	4.09131	0.1723641	0.23542742	2.5975546	21	11 17.9	20.6
286536 2002 CQ_{109}	17.1	X	294.60514	307.21644	129.05888	6.51727	0.2170030	0.28789993	2.2714770	21	10 19.5	18.9
286537 2002 CU_{109}	15.7	X	155.32613	200.38049	14.01687	4.97331	0.1150977	0.18168528	3.0873762	21	10 23.6	20.5
286538 2002 CQ_{120}	17.1	X	170.62964	210.60902	308.25419	4.82028	0.0830922	0.28118884	2.3074768	21	9 7.7	20.3
286539 2002 CT_{122}	17.4	X	231.99996	228.43627	285.61346	4.92717	0.0673032	0.28865876	2.2674944	21	11 19.8	20.2
286540 2002 CJ_{123}	15.5	X	293.25869	290.94313	155.10219	9.15370	0.1097534	0.18760315	3.0221032	21	10 26.7	19.4
286541 2002 CA_{143}	16.8	X	241.09912	78.98501	289.62366	5.30542	0.1644938	0.27385517	2.3484902	21	4 29.1	20.4
286542 2002 CY_{143}	17.0	X	27.15032	247.93010	317.27164	2.09998	0.1196727	0.26443908	2.4039142	21	4 25.7	19.4
286543 2002 CC_{144}	17.1	X	118.44995	264.62082	251.07289	2.62235	0.1082688	0.27144300	2.3623828	21	7 6.7	20.1
286544 2002 CM_{153}	16.3	X	64.11526	232.14701	25.95597	0.27258	0.1211287	0.17806353	3.1290997	21	9 11.1	20.6
286545 2002 CA_{155}	15.1	X	212.00996	95.64440	66.53955	22.90783	0.1285981	0.18227230	3.0807439	21	10 25.7	20.1
286546 2002 CP_{156}	17.2	X	39.79332	356.78356	127.45215	3.38712	0.1081948	0.25876585	2.4389229	21	1 20.5	19.6
286547 2002 CN_{157}	16.4	X	188.56394	101.74593	139.58867	4.60399	0.1227297	0.24199692	2.5503287	21	—	—
286548 2002 CP_{158}	13.1	X	254.89729	12.79596	125.14158	9.10890	0.0363361	0.08533578	5.1095416	21	11 4.7	20.0
286549 2002 CE_{159}	17.2	X	93.07317	86.25634	94.97602	2.20222	0.1259218	0.27021445	2.3695380	21	7 13.0	20.2
286550 2002 CW_{169}	16.8	X	207.08652	78.27402	124.78047	7.70309	0.1552779	0.28865291	2.2675250	21	12 13.5	19.9
286551 2002 CC_{173}	16.6	X	225.19669	60.59417	17.49592	7.44507	0.0815216	0.27665009	2.3326460	21	7 27.8	19.8
286552 2002 CL_{176}	17.2	X	302.46143	287.67301	124.69287	7.80085	0.1577460	0.28804209	2.2707296	21	10 7.2	19.2
286553 2002 CQ_{176}	15.7	X	262.42699	66.16926	320.07453	6.96480	0.1629185	0.17775333	3.1327390	21	6 20.1	20.4
286554 2002 CK_{178}	17.1	X	201.48956	236.89137	325.46065	7.83978	0.0536249	0.29177689	2.2513108	21	12 19.0	20.0
286555 2002 CN_{181}	17.1	X	183.34486	130.77930	327.16051	3.25539	0.1305577	0.22516532	2.6758908	21	7 2.2	21.3
286556 2002 CB_{183}	16.4	X	154.51529	112.64736	342.86559	5.61394	0.0195803	0.21961410	2.7207955	21	5 21.4	20.2
286557 2002 CR_{183}	17.7	X	214.98528	309.37780	129.87480	2.92000	0.1860286	0.27841596	2.3227723	21	7 6.3	21.1
286558 2002 CM_{184}	16.1	X	18.76420	120.90735	325.29192	9.33095	0.0809865	0.19959274	2.8998323	21	—	—
286559 2002 CN_{185}	16.7	X	8.23227	258.39718	118.96187	8.07537	0.1626518	0.29142593	2.2531179	21	12 25.8	18.9
286560 2002 CO_{185}	17.2	X	91.19618	72.64605	90.84735	3.31189	0.1095837	0.26977516	2.3721096	21	6 12.2	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286561 2002 CP_{186}	17.8	X	333.36939	195.16099	329.18888	1.35005	0.0994232	0.30391543	2.1909588	21	—	—
286562 2002 CW_{186}	15.9	X	253.57701	131.12061	320.74084	4.94226	0.0990804	0.18195553	3.0843184	21	9 7.9	20.3
286563 2002 CH_{190}	16.1	X	17.79751	66.41924	128.26826	9.14670	0.0034267	0.21431615	2.7654519	21	4 6.3	20.0
286564 2002 CK_{196}	17.2	X	353.43818	185.38716	6.23870	2.98131	0.1386842	0.25848070	2.4407163	21	2 2.4	19.8
286565 2002 CL_{198}	17.5	X	167.28202	338.29972	121.27835	1.90134	0.1432880	0.27299419	2.3534254	21	6 17.6	20.9
286566 2002 CA_{201}	16.3	X	143.49108	271.74855	142.61943	10.26681	0.0791110	0.21195607	2.7859425	21	3 27.2	20.4
286567 2002 CN_{205}	15.7	X	64.42061	74.18052	150.53822	8.57512	0.0457375	0.17156482	3.2076273	21	7 18.5	20.1
286568 2002 CP_{205}	15.6	X	327.78150	260.71951	148.54531	10.13911	0.0702851	0.18592778	3.0402306	21	11 3.5	19.6
286569 2002 CE_{206}	17.1	X	288.96814	286.22710	134.10915	5.13342	0.1425602	0.28466947	2.2886293	21	9 22.9	19.4
286570 2002 CR_{206}	16.7	X	99.45733	301.94748	354.49363	6.09086	0.0271741	0.23816302	2.5776256	21	12 6.2	20.3
286571 2002 CR_{207}	13.1	X	248.35401	144.56125	336.15597	31.90783	0.0451916	0.08236895	5.2315098	21	9 21.7	20.4
286572 2002 CX_{207}	16.2	X	198.61287	212.83099	346.36355	9.27291	0.1411928	0.23691097	2.5866993	21	11 19.1	20.3
286573 2002 CF_{208}	17.3	X	24.88393	78.86084	144.78834	5.61047	0.1810254	0.26550920	2.3974506	21	5 27.3	19.2
286574 2002 CS_{209}	16.2	X	160.01356	305.68102	147.39099	13.34823	0.0781866	0.21876825	2.7278041	21	6 2.5	20.5
286575 2002 CF_{211}	13.1	X	262.86734	153.74124	343.12148	20.42537	0.0277161	0.08489347	5.1272740	21	11 1.3	20.2
286576 2002 CS_{211}	17.2	X	28.54586	83.24713	144.76514	1.90415	0.1430475	0.26792570	2.3830133	21	6 7.2	19.1
286577 2002 CX_{211}	16.6	X	50.62267	354.09713	98.20402	3.23976	0.0283010	0.20376373	2.8601235	21	1 7.9	20.2
286578 2002 CH_{221}	16.2	X	169.12746	223.32363	354.28400	11.55403	0.1660279	0.23251167	2.6192254	21	11 10.6	20.7
286579 2002 CA_{224}	16.7	X	81.37652	241.63687	254.80841	5.87515	0.0563123	0.26474513	2.4020612	21	4 8.4	19.6
286580 2002 CG_{224}	15.7	X	155.20457	213.91175	7.03423	5.85269	0.1540227	0.18169849	3.0872265	21	10 30.8	20.8
286581 2002 CK_{224}	16.8	X	61.62858	163.56469	291.88507	1.73723	0.1652938	0.25701571	2.4499822	21	1 23.1	19.0
286582 2002 CC_{226}	15.4	X	80.33097	97.04345	149.53803	10.18104	0.0597600	0.17873228	3.1212895	21	9 9.3	19.8
286583 2002 CE_{228}	16.7	X	254.17463	356.97915	177.05972	9.54269	0.0935987	0.24270503	2.5453657	21	—	—
286584 2002 CN_{234}	18.0	X	231.79473	281.74499	131.19020	5.00438	0.2577142	0.27945776	2.3169959	21	6 13.0	21.9
286585 2002 CE_{253}	15.9	X	359.98880	188.11858	13.97096	8.48031	0.1179240	0.21009057	2.8024100	21	3 14.4	19.2
286586 2002 CP_{253}	16.2	X	95.98066	198.34832	259.77696	8.81852	0.1758258	0.21335233	2.7737743	21	3 31.6	20.1
286587 2002 CF_{260}	16.2	X	106.74363	315.07307	239.85858	0.35701	0.0597084	0.17361704	3.1823002	21	8 5.7	20.6
286588 2002 CD_{263}	16.2	X	166.80999	166.95143	54.93641	12.07921	0.1717043	0.23412047	2.6072127	21	11 17.7	20.4
286589 2002 CF_{263}	15.0	X	180.94485	168.57103	53.53550	14.27038	0.2732835	0.18443919	3.0565670	21	11 19.9	20.5
286590 2002 CS_{263}	16.3	X	205.16331	15.85106	163.72659	3.67773	0.1811785	0.18587484	3.0408078	21	10 27.6	21.2
286591 2002 CD_{265}	17.2	X	343.95466	83.92663	327.65270	2.94869	0.1478118	0.24175070	2.5520601	21	12 14.9	19.7
286592 2002 CV_{270}	16.0	X	205.52476	292.71680	116.61205	5.73231	0.1884678	0.17350470	3.1836738	21	5 24.4	21.4
286593 2002 CL_{273}	17.4	X	167.48506	304.08044	141.97491	1.56913	0.1106165	0.27019963	2.3696246	21	5 29.7	20.7
286594 2002 CJ_{275}	16.5	X	71.98665	55.53551	131.10996	11.12612	0.1680137	0.26600410	2.3944761	21	6 27.8	19.4
286595 2002 CU_{280}	17.5	X	67.20552	322.34044	269.97822	0.66495	0.1462842	0.27507940	2.3415171	21	8 22.7	20.3
286596 2002 CZ_{291}	15.6	X	347.63223	232.09501	129.59573	17.17697	0.1936629	0.18614442	3.0378713	21	10 8.4	19.1
286597 2002 CU_{296}	17.1	X	171.43475	103.72489	345.36357	9.14488	0.1767849	0.27095755	2.3652037	21	6 7.7	21.0
286598 2002 CF_{303}	17.2	X	335.47965	104.02782	335.30728	6.97147	0.0880457	0.24183004	2.5515018	21	—	—
286599 2002 CM_{303}	15.2	X	134.83197	60.61656	157.86093	20.99765	0.0392173	0.18209234	3.0827733	21	10 9.4	19.9
286600 2002 CD_{304}	17.2	X	4.68447	254.29907	350.95646	0.84717	0.1429947	0.26578099	2.3958159	21	5 13.4	19.3
286601 2002 CW_{310}	17.5	X	148.71916	135.59292	1.04654	1.26219	0.1360731	0.27372169	2.3492536	21	7 18.1	20.9
286602 2002 CZ_{310}	17.5	X	99.77381	71.66308	107.91186	8.17311	0.1854869	0.27043850	2.3682290	21	7 27.9	20.7
286603 2002 CJ_{313}	16.4	X	205.73644	290.05409	136.10171	15.38885	0.1783009	0.22524877	2.6752298	21	6 13.9	21.1
286604 2002 CC_{316}	16.7	X	178.07394	219.02604	177.53019	4.42184	0.0793803	0.21256055	2.7806582	21	4 9.7	20.8
286605 2002 CE_{316}	16.5	X	128.95987	265.19620	172.35293	5.32637	0.0491323	0.21102073	2.7941687	21	4 2.5	20.4
286606 2002 DV	15.3	X	341.00826	340.71817	321.71480	8.37830	0.1532054	0.17218162	3.1999622	21	6 26.9	19.1
286607 2002 DU_{1}	17.0	X	268.93440	155.40120	118.16868	25.07869	0.0907300	0.36025326	1.9561288	21	1 17.5	19.1
286608 2002 DU_{2}	17.2	X	186.56920	66.31224	343.04624	22.89618	0.1451522	0.36942050	1.9236323	21	4 11.2	20.3
286609 2002 DJ_{6}	15.9	X	12.68721	334.41901	317.09878	5.52965	0.0457412	0.17361432	3.1823334	21	8 3.7	20.2
286610 2002 DM_{6}	17.8	X	165.66946	308.96262	301.35440	2.22759	0.1441383	0.28949793	2.2631104	21	12 30.9	21.2
286611 2002 DV_{8}	15.3	X	177.05323	108.09922	356.84142	26.26874	0.2136447	0.17434131	3.1734806	21	7 11.9	21.2
286612 2002 DL_{10}	17.0	X	211.88101	180.13386	315.68787	5.12517	0.2027916	0.23142371	2.6274279	21	9 10.3	21.3
286613 2002 DG_{12}	15.5	X	172.94259	345.11104	199.96373	18.02686	0.2482377	0.18244906	3.0787538	21	10 3.5	20.9
286614 2002 DL_{13}	17.2	X	77.52068	231.47189	285.32785	3.54812	0.0632513	0.26782080	2.3836355	21	5 3.8	20.1
286615 2002 DC_{15}	16.5	X	309.22614	207.73590	196.00983	4.87491	0.3029919	0.23695975	2.5863442	21	8 29.8	18.8
286616 2002 DP_{17}	17.9	X	220.40209	160.85165	1.54944	3.39695	0.1326898	0.28646999	2.2790296	21	11 6.0	20.8
286617 2002 DL_{20}	13.9	X	214.48708	190.40624	345.15412	7.62738	0.0676192	0.08384448	5.1699506	21	10 25.5	21.0
286618 2002 EB_{1}	15.1	X	169.09860	56.00602	118.63775	28.10011	0.1417500	0.17815649	3.1280111	21	9 29.0	20.6
286619 2002 ES_{1}	15.3	X	185.00583	105.76230	42.74062	26.83366	0.1719901	0.17727299	3.1383955	21	9 18.3	20.9
286620 2002 ET_{1}	17.1	X	209.62287	167.06367	144.13864	24.18668	0.0320203	0.35551071	1.9734870	21	—	—
286621 2002 EX_{1}	16.8	X	301.19791	195.90008	3.26522	8.62840	0.0391505	0.30132887	2.2034789	21	—	—
286622 2002 EW_{3}	17.4	X	210.55123	270.13502	347.63386	3.54237	0.1440689	0.29526493	2.2335455	21	—	—
286623 2002 ET_{12}	17.1	X	239.40089	102.71479	186.04784	22.61452	0.0907792	0.35414174	1.9785695	21	1 3.2	20.3
286624 2002 ER_{13}	17.2	X	21.66755	233.78775	0.00060	4.68150	0.1855648	0.26539129	2.3981607	21	6 3.3	19.1
286625 2002 EF_{14}	16.7	X	35.70522	355.43877	230.12970	3.83943	0.1109640	0.26753878	2.3853103	21	6 14.1	19.1
286626 2002 EV_{14}	16.7	X	238.97615	315.94669	348.20717	5.99056	0.1510734	0.26074432	2.4265699	21	2 9.9	20.4
286627 2002 EZ_{17}	16.8	X	279.99010	151.10324	166.59233	5.90624	0.1252289	0.26554798	2.3972172	21	4 13.5	20.0
286628 2002 EG_{18}	16.8	X	30.95308	206.91179	333.32824	4.66461	0.0521313	0.26148310	2.4219972	21	3 24.4	19.6
286629 2002 ET_{21}	17.4	X	220.18744	335.80233	121.89265	6.28696	0.1903087	0.27875677	2.3208786	21	8 5.3	20.7
286630 2002 EG_{23}	16.2	X	78.75042	330.63432	150.63123	4.23656	0.0509169	0.21011433	2.8021988	21	3 25.4	19.9
286631 2002 EZ_{26}	13.6	X	272.12823	111.93108	358.08248	2.74470	0.1003909	0.08329494	5.1926648	21	10 11.9	20.5
286632 2002 EL_{34}	15.7	X	266.01366	76.25873	125.37167	5.31006	0.0229869	0.19547396	2.9404250	21	—	—
286633 2002 ER_{35}	17.4	X	40.49149	311.70813	281.51683	1.46431	0.1717708	0.26815992	2.3816255	21	7 14.4	19.7
286634 2002 EB_{37}	17.4	X	101.48967	260.91541	116.01986	3.06118	0.1438252	0.29980827	2.2109231	21	—	—
286635 2002 EX_{37}	16.0	X	117.86344	167.64760	129.71842	5.66832	0.1181268	0.18577332	3.0419156	21	12 25.4	20.7
286636 2002 ER_{41}	15.5	X	179.19012	325.42434	165.84294	23.74728	0.0795417	0.17459646	3.1703880	21	8 6.6	20.6
286637 2002 EH_{44}	17.1	X	162.54958	102.50958	174.20426	7.52686	0.1216561	0.29133246	2.2535998	21	—	—
286638 2002 EU_{46}	16.7	X	129.19627	105.15398	105.44706	6.05711	0.1277165	0.27706649	2.3303083	21	10 7.1	20.2
286639 2002 ED_{47}	17.4	X	101.91402	313.57837	256.26674	0.75559	0.1277781	0.27383823	2.3485871	21	9 2.1	20.7
286640 2002 EO_{47}	17.5	X	220.65741	246.39435	197.22653	1.72844	0.2068713	0.27715018	2.3298391	21	7 15.9	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286641 2002 ES_{47}	17.0	X	212.27880	74.64957	186.64903	1.70820	0.1426372	0.24449438	2.5329316	21	—	—
286642 2002 EQ_{48}	17.7	X	214.79303	264.67787	198.90877	2.14963	0.1668183	0.27779493	2.3262328	21	8 8.5	21.1
286643 2002 EE_{55}	16.6	X	17.48323	271.36893	326.76729	5.78522	0.1054378	0.26579554	2.3957285	21	5 27.6	19.0
286644 2002 EB_{56}	17.4	X	182.10754	26.64435	173.31502	3.06414	0.1680155	0.28543091	2.2845573	21	11 11.9	20.9
286645 2002 ED_{59}	16.8	X	32.57151	267.91372	331.08229	6.29739	0.0896851	0.26895735	2.3769157	21	6 27.4	19.3
286646 2002 EC_{64}	16.9	X	44.84974	103.46163	339.70837	6.48274	0.1444304	0.25117563	2.4878129	21	—	—
286647 2002 EJ_{65}	17.4	X	356.45810	30.96243	172.39642	5.26718	0.0459723	0.30949815	2.1645320	21	2 23.4	19.7
286648 2002 ER_{66}	17.5	X	277.69428	167.87267	356.53004	6.84988	0.0947671	0.29329061	2.2435579	21	—	—
286649 2002 EC_{68}	17.7	X	204.68506	13.22425	238.32720	0.45897	0.2447370	0.29118967	2.2543365	21	—	—
286650 2002 EY_{68}	17.1	X	107.32162	230.84769	289.09542	1.87643	0.1744691	0.26850893	2.3795613	21	7 7.8	20.3
286651 2002 EG_{70}	17.6	X	117.27127	343.45774	177.24205	1.79961	0.1448531	0.26978480	2.3720530	21	7 16.4	20.8
286652 2002 EM_{70}	17.2	X	138.32266	101.95624	9.16662	3.85033	0.1445825	0.26718476	2.3874169	21	6 2.1	20.7
286653 2002 EZ_{72}	16.8	X	30.33411	202.92829	3.09729	1.71629	0.1802812	0.26194994	2.4191187	21	5 8.5	18.6
286654 2002 ER_{85}	16.9	X	135.39209	21.18032	126.57764	2.39270	0.1266897	0.27088337	2.3656355	21	7 17.7	20.2
286655 2002 EY_{91}	17.8	X	202.78706	79.15718	169.43215	5.72471	0.1270594	0.29281257	2.2459991	21	—	—
286656 2002 ES_{93}	17.4	X	41.82792	70.51524	163.06627	9.99460	0.2185153	0.26788502	2.3832545	21	7 24.5	19.8
286657 2002 EV_{93}	15.0	X	316.80021	342.14104	348.67701	20.96742	0.0300508	0.17089197	3.2160413	21	7 13.9	19.8
286658 2002 EV_{94}	16.7	X	225.51350	216.42732	15.01872	6.01509	0.1553191	0.24293932	2.5437290	21	—	—
286659 2002 EL_{99}	16.0	X	208.34985	135.41161	54.49221	10.56696	0.1542205	0.23838182	2.5760480	21	11 19.2	19.9
286660 2002 ET_{101}	17.4	X	248.20808	115.41939	102.79248	8.02415	0.1044380	0.29652082	2.2272344	21	—	—
286661 2002 EY_{101}	16.3	X	52.23937	100.46398	67.71001	10.01486	0.1607529	0.21198109	2.7857233	21	5 2.9	19.5
286662 2002 ES_{103}	16.9	X	308.98512	162.38972	167.65773	5.14905	0.1151207	0.22097551	2.7096089	21	6 14.0	20.4
286663 2002 EE_{105}	16.6	X	237.16867	174.24021	51.12582	5.81571	0.2104645	0.24332143	2.5410652	21	—	—
286664 2002 EN_{105}	17.6	X	54.19026	24.55614	135.81885	3.04622	0.0431864	0.31255026	2.1504176	21	3 27.1	19.6
286665 2002 EG_{111}	16.5	X	3.72203	132.73672	84.51218	4.32101	0.1436414	0.26022071	2.4298239	21	3 31.7	18.7
286666 2002 EU_{117}	15.4	X	135.61837	286.34711	343.23074	15.97376	0.1083085	0.18554139	3.0444500	21	12 7.6	20.5
286667 2002 EQ_{120}	16.7	X	49.85974	0.73481	181.22988	5.19939	0.0514479	0.21332658	2.7739975	21	5 3.7	20.3
286668 2002 ES_{120}	16.6	X	246.39448	255.61162	171.10446	11.35164	0.1539677	0.22727198	2.6593293	21	7 23.4	20.7
286669 2002 EK_{123}	17.4	X	46.77306	66.27735	204.39810	1.95248	0.1907430	0.27236042	2.3570749	21	9 24.1	19.9
286670 2002 EY_{128}	17.6	X	177.66259	235.19407	163.01201	23.06615	0.0944956	0.36625158	1.9347122	21	3 29.0	20.0
286671 2002 EU_{129}	16.1	X	303.05738	187.65845	4.49102	5.39363	0.0737565	0.19765548	2.9187494	21	—	—
286672 2002 ES_{137}	16.2	X	204.62040	37.83328	3.99980	6.42165	0.0500079	0.21527530	2.7572316	21	5 13.2	20.3
286673 2002 EV_{138}	17.4	X	12.53449	76.98938	117.99969	2.47043	0.1357678	0.25913063	2.4366335	21	3 14.6	19.7
286674 2002 EA_{142}	17.6	X	158.70466	150.85116	8.98377	2.75880	0.0628180	0.27638724	2.3341247	21	8 28.3	20.7
286675 2002 EG_{143}	17.1	X	43.19395	203.47034	10.04102	1.63849	0.1382419	0.26565256	2.3965880	21	6 12.8	19.4
286676 2002 EE_{145}	16.2	X	265.09575	335.21475	176.64080	12.06163	0.0623283	0.18821679	3.0155311	21	12 13.5	20.5
286677 2002 EJ_{145}	17.5	X	234.65563	182.49606	345.18026	3.82741	0.1355910	0.28720445	2.2751425	21	12 1.4	20.4
286678 2002 EG_{147}	15.1	X	109.67153	245.93954	7.51827	10.81923	0.0415062	0.17764396	3.1340247	21	10 17.1	19.6
286679 2002 EK_{147}	17.5	X	240.51969	65.41917	6.38047	7.19135	0.0755127	0.27579430	2.3374690	21	8 8.7	20.5
286680 2002 EV_{147}	17.4	X	100.52947	51.94754	162.54958	7.29517	0.0732628	0.27411776	2.3469901	21	8 31.2	20.5
286681 2002 EX_{147}	17.3	X	183.09761	347.38346	139.94390	2.83283	0.1331290	0.27555769	2.3388069	21	8 10.1	20.8
286682 2002 EP_{157}	16.0	X	261.31691	222.78066	324.56184	8.30687	0.0438426	0.19290057	2.9665183	21	—	—
286683 2002 EU_{157}	15.5	X	40.35685	175.25399	171.18859	15.63053	0.0837098	0.18461147	3.0546650	21	11 27.3	19.9
286684 2002 EC_{158}	14.0	X	212.97842	221.43308	321.79040	3.86283	0.0692296	0.08377811	5.1726808	21	11 2.4	21.1
286685 2002 EP_{160}	13.5	X	341.28280	96.66073	325.02832	6.00558	0.0744520	0.08452314	5.1422396	21	11 13.7	20.0
286686 2002 FB_{2}	17.0	X	76.13085	55.66875	169.11626	3.50849	0.1909309	0.26937531	2.3744564	21	8 30.6	20.1
286687 2002 FW_{3}	15.4	X	328.19167	64.97226	150.71936	15.41731	0.0923607	0.20426628	2.8554305	21	2 13.8	19.2
286688 2002 FB_{7}	17.1	X	244.67599	147.22126	19.74730	12.64005	0.1250271	0.23837247	2.5761154	21	12 3.6	20.6
286689 2002 FK_{11}	17.4	X	90.05285	165.80614	9.20731	1.26893	0.1152754	0.26754370	2.3852811	21	6 28.2	20.2
286690 2002 FJ_{12}	15.8	X	322.72858	284.58059	4.41620	12.16607	0.1518788	0.21177720	2.7875109	21	4 29.7	19.3
286691 2002 FW_{13}	16.8	X	95.95614	120.82486	44.28550	6.11086	0.1488969	0.26743448	2.3859305	21	6 27.4	19.9
286692 2002 FA_{14}	15.6	X	122.65846	75.15053	183.91296	16.42313	0.2065934	0.17815967	3.1279739	21	11 21.2	21.0
286693 Kodaitis	15.6	X	210.02975	91.75137	14.35552	16.12564	0.2267358	0.17424878	3.1746039	21	8 7.8	21.2
286694 2002 FH_{16}	15.4	X	184.14415	194.90744	36.20251	13.15324	0.1845760	0.18313320	3.0710814	21	12 4.2	20.6
286695 2002 FL_{17}	16.3	X	172.30128	215.47203	142.97940	6.36066	0.0761266	0.20873329	2.8145453	21	2 15.3	20.2
286696 2002 FC_{25}	15.4	X	182.26661	221.29579	1.77902	9.30919	0.0434802	0.18415525	3.0597080	21	12 1.1	20.1
286697 2002 FM_{29}	15.3	X	352.88914	140.42023	23.51436	15.25775	0.0795877	0.20429837	2.8551315	21	1 20.1	19.3
286698 2002 FD_{37}	15.3	X	121.56169	202.48156	337.81330	13.90201	0.1306561	0.16987570	3.2288550	21	8 14.1	20.3
286699 2002 FV_{41}	15.8	X	190.20799	187.89084	37.63859	7.17826	0.0791311	0.18531413	3.0469386	21	12 11.4	20.5
286700 2002 GH	15.9	X	257.27580	168.15785	22.53653	15.94965	0.1096281	0.24133077	2.5550197	21	—	—
286701 2002 GP_{15}	15.2	X	145.33189	227.61228	15.75379	16.96239	0.0952700	0.18180348	3.0860379	21	11 12.6	20.1
286702 2002 GP_{28}	17.2	X	213.98065	328.98754	19.21839	2.96289	0.2127358	0.26125040	2.4234351	21	3 12.1	21.2
286703 2002 GJ_{31}	17.2	X	20.77928	129.21572	107.88778	3.34776	0.1428068	0.26362234	2.4088767	21	6 5.6	19.1
286704 2002 GF_{37}	16.3	X	264.56007	99.17301	122.76639	5.54345	0.1124540	0.24638288	2.5199719	21	—	—
286705 2002 GZ_{43}	15.6	X	219.57215	254.70119	200.28809	25.46537	0.2932598	0.17441629	3.1725710	21	7 18.2	21.6
286706 2002 GM_{48}	15.0	X	116.83008	277.57092	284.04241	9.57285	0.1090392	0.17149848	3.2084543	21	8 26.8	20.0
286707 2002 GK_{49}	16.8	X	263.21822	332.41952	223.43615	10.55209	0.2000984	0.24373667	2.5381783	21	—	—
286708 2002 GM_{49}	16.4	X	221.48325	23.32171	220.10824	11.13662	0.2249834	0.24237815	2.5476537	21	—	—
286709 2002 GG_{61}	17.2	X	104.45954	41.47830	154.09262	1.40324	0.1277298	0.27049544	2.3678967	21	8 16.6	20.3
286710 2002 GY_{67}	16.6	X	56.38484	203.97725	41.90179	7.74123	0.1101583	0.26895096	2.3769533	21	8 24.4	19.5
286711 2002 GY_{68}	15.9	X	222.97659	35.27543	164.46571	6.30943	0.0912095	0.18622355	3.0370107	21	12 16.0	20.4
286712 2002 GW_{72}	17.2	X	224.38317	140.32793	123.85084	3.35953	0.1538262	0.29528809	2.2334287	21	—	—
286713 2002 GM_{78}	16.2	X	208.15611	127.49178	12.21715	12.80814	0.1145444	0.22675101	2.6634010	21	9 22.1	20.2
286714 2002 GO_{79}	15.4	X	260.55296	1.71144	95.43367	19.00042	0.1631646	0.17985081	3.1083348	21	9 24.6	20.2
286715 2002 GQ_{80}	17.4	X	263.29286	192.16021	66.08927	5.10880	0.1121263	0.30051981	2.2074319	21	1 1.4	20.5
286716 2002 GT_{81}	15.9	X	225.54052	219.68206	40.15430	17.00113	0.1780846	0.19160046	2.9799228	21	—	—
286717 2002 GL_{87}	16.4	X	60.92518	114.48133	79.53004	6.03195	0.0775463	0.26341100	2.4101650	21	6 5.5	18.9
286718 2002 GL_{92}	17.4	X	2.94936	232.58425	309.23193	0.72751	0.1249480	0.25415530	2.4683303	21	2 6.6	19.8
286719 2002 GD_{93}	16.4	X	328.95485	210.51172	355.09947	5.85390	0.0874661	0.25251375	2.4790161	21	1 25.6	19.6
286720 2002 GH_{96}	15.5	X	193.25966	37.11614	220.00313	7.12261	0.1004444	0.18726074	3.0257861	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286721 2002 GM_{104}	16.5	X	206.30424	57.91892	119.24377	8.24243	0.1644950	0.23103870	2.6303461	21	11 3.2	20.7
286722 2002 GZ_{106}	15.3	X	187.40589	184.55532	53.15861	11.89053	0.0664395	0.18616493	3.0376482	21	12 24.0	19.9
286723 2002 GP_{110}	16.9	X	212.98975	104.45181	125.01837	5.12393	0.1352127	0.23871349	2.5736614	21	—	—
286724 2002 GY_{111}	15.6	X	154.80950	318.52709	193.01562	11.77243	0.0657100	0.16925601	3.2367314	21	8 3.9	20.7
286725 2002 GW_{112}	17.2	X	99.65832	126.02104	146.78238	5.31785	0.2151557	0.27666170	2.3325808	21	11 29.4	21.0
286726 2002 GR_{115}	16.7	X	345.31696	132.00247	80.30653	7.27048	0.0702244	0.25571656	2.4582732	21	3 3.4	19.7
286727 2002 GC_{116}	16.6	X	86.87900	342.35197	140.53953	6.00888	0.1128580	0.25911989	2.4367008	21	4 12.4	19.5
286728 2002 GM_{116}	15.7	X	217.60627	56.98461	106.50686	6.50327	0.1152550	0.18105077	3.0945854	21	10 27.3	20.4
286729 2002 GX_{118}	17.5	X	262.11922	166.84352	80.16995	5.21819	0.1342291	0.29964978	2.2117027	21	—	—
286730 2002 GZ_{118}	16.9	X	89.51286	50.11218	103.65587	5.14548	0.1103290	0.26465603	2.4026003	21	5 27.9	19.7
286731 2002 GW_{119}	15.2	X	0.95502	9.75533	67.00180	10.51941	0.0606882	0.18864258	3.0109918	21	—	—
286732 2002 GY_{119}	16.5	X	165.16062	74.98741	147.81156	11.63319	0.1177871	0.23111129	2.6297953	21	11 21.7	20.8
286733 2002 GM_{124}	17.1	X	21.00415	320.58834	222.52057	0.59604	0.1129288	0.25715286	2.4491110	21	3 13.1	19.5
286734 2002 GZ_{124}	17.0	X	203.86987	248.96003	211.44169	6.07452	0.1266052	0.27412923	2.3469247	21	7 25.2	20.5
286735 2002 GS_{129}	16.8	X	160.85977	37.00850	214.28686	3.55683	0.1125412	0.23396688	2.6083535	21	12 19.4	20.8
286736 2002 GD_{130}	17.4	X	137.51928	354.80641	223.03996	5.32240	0.0910118	0.27790831	2.3256000	21	10 20.2	20.7
286737 2002 GN_{130}	17.2	X	339.96452	295.92107	333.04840	2.03912	0.1592236	0.26087776	2.4257424	21	4 27.6	19.4
286738 2002 GE_{135}	16.4	X	228.63470	145.26989	24.13882	1.94898	0.1279129	0.18382824	3.0633355	21	11 10.8	21.0
286739 2002 GX_{135}	15.6	X	86.55065	6.29791	233.68459	3.95414	0.1199031	0.17074996	3.2178242	21	9 13.1	20.2
286740 2002 GZ_{135}	17.3	X	70.97771	254.32314	334.62872	4.57871	0.2069177	0.26867762	2.3785652	21	9 1.3	20.4
286741 2002 GU_{138}	15.9	X	232.85966	113.77462	112.32412	3.83505	0.1197113	0.19117107	2.9843833	21	—	—
286742 2002 GT_{141}	17.3	X	314.58571	121.27475	46.59168	6.33084	0.1145853	0.29606363	2.2295267	21	—	—
286743 2002 GW_{143}	15.4	X	177.87055	8.95475	220.50367	15.99468	0.0794963	0.18042268	3.1017631	21	12 3.5	20.2
286744 2002 GH_{145}	17.6	X	215.19014	338.18366	206.68648	10.17403	0.0809328	0.28525157	2.2855147	21	12 8.3	20.6
286745 2002 GA_{149}	17.5	X	234.32905	10.15143	173.70486	6.46412	0.1069209	0.28832550	2.2692413	21	12 28.5	20.3
286746 2002 GU_{150}	15.9	X	188.25497	305.35878	201.46494	9.53541	0.1655382	0.17492566	3.1664092	21	8 31.5	21.2
286747 2002 GV_{152}	15.7	X	289.48301	89.49525	90.72439	10.47493	0.0512713	0.19222186	2.9734972	21	—	—
286748 2002 GW_{163}	17.4	X	52.10882	60.83793	126.46181	3.11596	0.1540835	0.26230518	2.4169341	21	5 23.5	19.8
286749 2002 GK_{171}	17.4	X	185.21393	230.20028	13.93803	3.29282	0.1482695	0.28845794	2.2685466	21	—	—
286750 2002 GU_{171}	17.0	X	277.18736	262.20523	316.54455	5.03573	0.0821334	0.29914330	2.2141984	21	—	—
286751 2002 GH_{173}	15.8	X	272.62530	0.42978	139.88081	4.00236	0.1097511	0.18619422	3.0373295	21	12 2.2	19.8
286752 2002 GM_{180}	16.2	X	86.54372	258.85892	247.66459	7.45476	0.1401945	0.21164781	2.7886469	21	5 20.4	19.8
286753 2002 GY_{182}	16.7	X	35.12909	295.50942	217.33471	5.96838	0.0764178	0.25449438	2.4661373	21	2 20.8	19.5
286754 2002 GA_{183}	17.0	X	162.76839	295.88287	249.21780	5.79256	0.1531561	0.27898270	2.3196255	21	10 2.0	20.8
286755 2002 GB_{183}	16.8	X	91.79946	42.97784	52.08539	22.97409	0.0839353	0.35797027	1.9644369	21	2 27.9	19.3
286756 2002 GD_{183}	15.7	X	209.90506	89.06314	114.18756	10.69322	0.1625769	0.18483875	3.0521605	21	11 30.7	20.6
286757 2002 GG_{186}	16.9	X	1.57148	75.30550	201.51055	8.21621	0.1167265	0.26411275	2.4058939	21	6 27.5	19.3
286758 2002 GT_{186}	17.1	X	245.42572	44.44138	188.27400	13.07063	0.1109472	0.24341196	2.5404351	21	—	—
286759 2002 GA_{188}	15.6	X	145.23977	192.48478	168.92806	18.33589	0.0558745	0.19884500	2.9070975	21	1 17.8	20.0
286760 2002 GS_{188}	16.0	X	94.92874	212.52229	39.23168	6.11310	0.1056036	0.17263745	3.1943270	21	10 8.4	20.7
286761 2002 GO_{189}	16.3	X	341.42298	152.88433	142.83240	7.80101	0.0977276	0.21578440	2.7528932	21	6 21.3	19.6
286762 2002 HU_{4}	16.4	X	134.97617	220.03640	93.97782	13.27979	0.1928425	0.23520270	2.5992089	21	—	—
286763 2002 HG_{10}	16.6	X	178.62330	48.17176	210.74859	32.13669	0.2313984	0.23465520	2.6032503	21	—	—
286764 2002 HH_{13}	17.2	X	145.20143	16.39403	92.40578	23.92742	0.0910422	0.36804291	1.9284294	21	6 2.9	19.6
286765 2002 HP_{15}	17.0	X	120.03701	248.14178	37.99118	7.49117	0.1117773	0.28419645	2.2911681	21	12 30.8	20.5
286766 2002 HF_{17}	17.3	X	4.75037	216.14729	355.22824	0.86301	0.1310726	0.25762072	2.4461450	21	3 23.6	19.7
286767 2002 JC_{3}	16.9	X	324.71551	14.42328	209.85476	4.81703	0.0931926	0.25308227	2.4753023	21	2 8.9	20.0
286768 2002 JO_{11}	17.1	X	107.77012	60.14789	241.60234	5.90343	0.2757102	0.27947728	2.3168880	21	—	—
286769 2002 JS_{14}	17.1	X	52.69205	202.18540	66.11115	4.69873	0.2180569	0.26916679	2.3756825	21	10 6.2	20.0
286770 2002 JM_{17}	17.6	X	305.01072	358.89951	228.85455	6.36286	0.1051851	0.30150916	2.2026004	21	1 7.6	20.4
286771 2002 JF_{23}	16.6	X	87.56757	104.89193	63.97873	7.77876	0.1436451	0.26404488	2.4063062	21	6 20.1	19.6
286772 2002 JN_{33}	15.6	X	143.28439	233.20290	57.00861	10.11390	0.2340896	0.17979474	3.1089809	21	—	—
286773 2002 JE_{50}	17.3	X	130.82853	311.06841	274.26599	3.49671	0.2219812	0.27577483	2.3375790	21	10 25.9	21.2
286774 2002 JQ_{57}	16.5	X	27.95248	116.67073	63.39362	8.84938	0.1178564	0.25568658	2.4584653	21	3 27.7	19.1
286775 2002 JZ_{60}	17.2	X	125.16732	207.08040	40.27055	6.88615	0.0685086	0.27755163	2.3275920	21	11 13.3	20.2
286776 2002 JY_{65}	16.9	X	72.21594	99.98239	94.12959	2.31266	0.1250786	0.26335082	2.4105322	21	7 1.5	19.7
286777 2002 JV_{68}	16.7	X	101.73025	142.75970	82.48111	9.22812	0.2537497	0.27329147	2.3517185	21	10 9.4	20.6
286778 2002 JA_{71}	16.9	X	228.61975	58.19039	163.24540	7.62551	0.0841358	0.28974336	2.2618322	21	—	—
286779 2002 JD_{80}	16.5	X	123.32936	56.50034	221.65858	12.15867	0.2365079	0.22934407	2.6432873	21	12 17.9	21.2
286780 2002 JH_{83}	17.1	X	308.41126	175.00275	28.20747	7.13266	0.0848280	0.29902889	2.2147631	21	—	—
286781 2002 JG_{84}	17.6	X	253.16827	348.70709	226.96072	3.55498	0.1073603	0.29256679	2.2472568	21	—	—
286782 2002 JU_{84}	17.1	X	223.05884	252.06080	250.31241	3.50841	0.1227565	0.27949494	2.3167904	21	10 13.3	20.1
286783 2002 JF_{86}	15.4	X	129.77210	223.02736	39.84010	11.62799	0.0629837	0.17770274	3.1333336	21	11 21.4	20.2
286784 2002 JN_{86}	16.1	X	262.92999	11.41514	224.54522	13.37653	0.0728964	0.19299523	2.9655482	21	—	—
286785 2002 JN_{87}	17.9	X	211.83590	286.79557	2.08314	0.58191	0.2229225	0.29314867	2.2442820	21	—	—
286786 2002 JE_{89}	17.7	X	83.02715	9.55687	238.45845	1.58675	0.1951825	0.27146661	2.3622459	21	10 9.3	21.1
286787 2002 JL_{91}	15.4	X	191.22070	30.06093	224.58764	9.16433	0.0361281	0.18502297	3.0501342	21	—	—
286788 2002 JK_{93}	15.3	X	296.33406	120.12065	56.02343	11.34529	0.0609073	0.18927684	3.0042615	21	—	—
286789 2002 JT_{93}	16.6	X	212.13490	6.36088	236.94255	13.60582	0.0952301	0.23737017	2.5833622	21	—	—
286790 2002 JB_{97}	16.6	X	32.51430	124.40427	131.75687	9.98405	0.2126253	0.26663524	2.3906960	21	8 11.9	18.7
286791 2002 JU_{98}	17.3	X	263.86321	144.37433	59.23512	6.52708	0.1321536	0.29249341	2.2476326	21	—	—
286792 2002 JE_{106}	16.6	X	147.28324	209.13116	48.16482	6.58783	0.2644716	0.23076752	2.6324063	21	12 11.5	21.4
286793 2002 JH_{106}	17.2	X	333.65016	224.24614	61.73103	3.27867	0.2185568	0.25866268	2.4395714	21	5 3.8	19.5
286794 2002 JY_{123}	17.4	X	240.81757	121.61679	136.45836	6.21856	0.1530695	0.29501245	2.2348197	21	—	—
286795 2002 JT_{126}	16.2	X	160.24681	204.46581	118.72976	9.04845	0.2925642	0.23778774	2.5803369	21	1 5.6	20.6
286796 2002 JM_{129}	17.7	X	250.66143	163.76156	44.53984	5.70462	0.1337961	0.29180167	2.2511834	21	—	—
286797 2002 JB_{130}	16.9	X	257.04748	88.46382	161.45730	5.04706	0.1122439	0.24535164	2.5270281	21	—	—
286798 2002 JD_{130}	16.7	X	131.31691	78.44009	207.73337	12.18603	0.2607138	0.23004067	2.6379484	21	—	—
286799 2002 JO_{132}	17.2	X	115.19431	352.88931	219.39908	6.13698	0.0602947	0.27286312	2.3541790	21	9 12.1	20.5
286800 2002 JQ_{133}	14.8	X	120.27452	255.70085	32.12816	11.43661	0.1265211	0.17806361	3.1290987	21	12 14.6	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286801 2002 JC_{134}	16.4	X	101.64543	65.56821	230.54778	7.93563	0.1810617	0.22862062	2.6488607	21	12 19.1	20.7
286802 2002 JV_{135}	17.4	X	90.25803	27.65532	250.62723	2.20763	0.1753442	0.27581424	2.3373563	21	11 23.4	20.7
286803 2002 JS_{139}	16.9	X	220.85758	275.61441	322.59274	4.13414	0.1573159	0.23871393	2.5736582	21	—	—
286804 2002 JW_{146}	15.2	X	144.64946	21.53345	188.75578	16.51835	0.1597578	0.17395430	3.1781857	21	10 10.8	20.4
286805 2002 JH_{149}	16.9	X	58.30648	203.95062	77.40792	10.33701	0.2115770	0.26973591	2.3723397	21	10 31.5	20.2
286806 2002 JS_{149}	16.0	X	163.07338	64.23876	218.84027	9.41872	0.0734311	0.18322899	3.0700109	21	—	—
286807 2002 JF_{150}	16.8	X	212.33349	328.57518	60.70599	22.62144	0.0937364	0.36042645	1.9555021	21	5 2.0	19.3
286808 2002 KR_{1}	16.0	X	195.19793	274.89372	329.17792	2.66127	0.1797911	0.18385834	3.0630011	21	12 30.9	21.0
286809 2002 KB_{3}	16.1	X	299.42202	241.48374	226.03290	11.58637	0.1036117	0.23336597	2.6128293	21	12 10.8	19.2
286810 2002 KA_{4}	15.9	X	194.33439	68.99424	142.74382	30.07723	0.3117765	0.23121045	2.6290433	21	11 28.4	21.2
286811 2002 KH_{9}	18.1	X	48.50388	129.36006	155.70907	17.53501	0.1570090	0.42284776	1.7579777	21	11 11.1	20.2
286812 2002 LP_{18}	16.0	X	131.42876	207.60558	82.26971	14.52314	0.1760694	0.22919641	2.6444225	21	—	—
286813 2002 LX_{27}	16.9	X	177.07253	35.41439	164.06278	4.96053	0.0756741	0.27785668	2.3258881	21	11 11.9	20.2
286814 2002 LV_{28}	16.9	X	69.39133	45.27950	250.78457	10.35766	0.2644286	0.27026795	2.3692252	21	12 3.3	20.4
286815 2002 LH_{30}	16.4	X	79.14595	115.85723	196.10312	12.29592	0.2824728	0.22437383	2.6821799	21	12 25.1	21.1
286816 2002 LG_{34}	15.8	X	109.49496	114.61238	234.06427	25.83166	0.3025045	0.23069860	2.6329306	21	—	—
286817 2002 LP_{35}	17.1	X	24.23387	162.86494	124.81839	5.83332	0.2250901	0.26438323	2.4042527	21	9 18.6	19.2
286818 2002 LU_{45}	17.1	X	161.74896	280.26807	65.14765	7.18503	0.1862885	0.29275919	2.2462721	21	1 16.5	20.3
286819 2002 LC_{50}	16.2	X	232.79667	178.27291	92.06258	13.90834	0.2415348	0.24003147	2.5642316	21	—	—
286820 2002 LS_{59}	15.9	X	160.60101	131.91265	118.50606	13.39213	0.1757296	0.22879744	2.6474958	21	12 16.6	20.4
286821 2002 LH_{61}	15.4	X	121.01300	11.19241	298.68096	14.90492	0.0623466	0.17466619	3.1695442	21	—	—
286822 2002 LN_{61}	16.2	X	97.50809	245.65552	106.38069	15.12241	0.1800612	0.23251327	2.6192134	21	—	—
286823 2002 LC_{62}	16.2	X	197.56418	23.17961	256.59337	12.60891	0.2378008	0.23418941	2.6067010	21	—	—
286824 2002 LE_{62}	16.7	X	18.17286	164.34078	111.74848	11.67106	0.2562662	0.26016589	2.4301653	21	8 21.9	18.5
286825 2002 MX_{4}	16.6	X	96.09543	30.20145	268.60174	11.58358	0.1238919	0.22148058	2.7054880	21	12 12.1	20.6
286826 2002 MJ_{5}	16.7	X	202.32462	210.25605	109.22935	6.68720	0.2962627	0.23833858	2.5763596	21	1 31.8	21.4
286827 2002 MP_{5}	16.4	X	273.63786	278.13122	332.77399	10.43715	0.2480706	0.24278425	2.5448120	21	1 4.5	20.8
286828 2002 MZ_{5}	16.2	X	199.03636	63.51471	163.23018	12.68150	0.0811613	0.22676567	2.6632862	21	12 30.2	20.3
286829 2002 MB_{6}	15.8	X	94.30129	326.17615	318.77305	8.45881	0.1432321	0.21822518	2.7323278	21	11 22.8	20.1
286830 2002 NA	16.2	X	197.87037	13.25185	266.75264	22.17802	0.2179273	0.28624451	2.2802262	21	—	—
286831 2002 NH_{10}	16.1	X	161.27663	348.74564	281.14400	14.13845	0.1792097	0.22900465	2.6458985	21	—	—
286832 2002 NU_{11}	16.6	X	120.32583	201.31690	116.24792	9.16069	0.1815378	0.22700866	2.6613853	21	—	—
286833 2002 NZ_{11}	16.3	X	155.19909	216.43117	121.12583	5.53421	0.2149344	0.23395610	2.6084337	21	1 12.0	20.3
286834 2002 NO_{14}	16.6	X	107.76403	56.89572	290.70527	8.22420	0.2610736	0.22699316	2.6615066	21	—	—
286835 2002 NL_{38}	17.6	X	128.92081	140.48992	174.94324	4.67666	0.2584775	0.27882369	2.3205073	21	—	—
286836 2002 NX_{38}	15.6	X	194.97569	122.34851	208.40905	12.91018	0.1956260	0.24017896	2.5631818	21	2 1.3	20.1
286837 2002 NH_{50}	16.8	X	42.60959	276.28028	57.71143	2.17193	0.2939174	0.21752096	2.7382219	21	12 18.3	20.6
286838 2002 NJ_{50}	17.2	X	2.55261	246.74745	100.80822	3.06741	0.2425854	0.26517708	2.3994519	21	11 7.8	19.0
286839 2002 NF_{53}	16.3	X	173.94857	315.52342	309.78131	12.48746	0.2331123	0.22959102	2.6413916	21	—	—
286840 2002 NN_{54}	16.0	X	209.25179	215.52165	101.51710	8.40729	0.1959624	0.23977540	2.5660570	21	2 1.8	20.3
286841 Annemieke	15.6	X	52.28441	132.75880	272.47451	10.62154	0.1251309	0.17673038	3.1448160	21	—	—
286842 Joris	16.3	X	131.96161	55.63229	215.35477	4.28975	0.1506018	0.17155848	3.2077063	21	12 7.4	21.5
286843 2002 NU_{58}	15.6	X	142.90005	126.99824	168.21416	11.13319	0.0712567	0.17458580	3.1705171	21	—	—
286844 2002 NT_{59}	17.6	X	6.81039	53.63798	293.79405	2.02813	0.2051366	0.26571376	2.3962200	21	11 8.3	19.7
286845 2002 NE_{60}	16.1	X	189.07110	53.21084	330.73170	8.37311	0.1183621	0.19314075	2.9640585	21	4 4.0	20.9
286846 2002 NL_{61}	15.9	X	282.10864	281.64859	295.54615	10.83368	0.2213055	0.24082887	2.5585683	21	—	—
286847 2002 NC_{62}	17.9	X	219.31355	35.08828	305.64990	5.88666	0.1801641	0.29616590	2.2290134	21	3 1.3	21.4
286848 2002 ND_{62}	17.0	X	354.96487	199.74396	83.12787	6.61578	0.1171510	0.25777779	2.4451512	21	6 24.6	19.4
286849 2002 NG_{63}	17.6	X	126.84347	26.93136	321.40871	3.96416	0.1744151	0.28337984	2.2955676	21	—	—
286850 2002 NA_{66}	17.5	X	291.43203	55.58462	247.69140	4.43143	0.1444320	0.30240711	2.1982380	21	3 28.3	20.2
286851 2002 NQ_{66}	16.2	X	153.02507	25.07751	300.81242	13.63981	0.0651085	0.23332587	2.6131286	21	—	—
286852 2002 NT_{67}	15.8	X	218.91596	23.04588	221.78447	12.99753	0.1981634	0.23245143	2.6196779	21	—	—
286853 2002 NV_{67}	16.6	X	194.19698	220.56137	83.76990	5.79442	0.2284700	0.23595248	2.5936997	21	1 6.6	20.9
286854 2002 NW_{68}	17.2	X	87.25128	167.07899	149.11897	6.80696	0.1347801	0.22206743	2.7007194	21	12 25.2	21.3
286855 2002 ND_{69}	15.4	X	119.42944	55.95113	292.07265	15.18165	0.1066144	0.17839258	3.1252506	21	—	—
286856 2002 NE_{69}	16.0	X	326.04139	133.87384	310.13017	11.53598	0.1891748	0.22058967	2.7127677	21	12 21.7	18.8
286857 2002 NM_{70}	17.3	X	130.93789	136.85903	173.78917	5.97722	0.1794965	0.22778995	2.6552964	21	—	—
286858 2002 NK_{72}	16.9	X	175.96197	101.20773	159.92741	5.92122	0.1631576	0.22905744	2.6454919	21	—	—
286859 2002 NO_{72}	15.7	X	65.20655	333.43037	125.60521	27.43216	0.2146221	0.23955584	2.5676247	21	2 18.7	18.3
286860 2002 NV_{72}	15.2	X	348.09487	334.36422	127.23264	19.26927	0.0799091	0.17753497	3.1353072	21	—	—
286861 2002 NZ_{72}	16.8	X	82.13741	344.41358	257.58854	5.96405	0.0685781	0.26433300	2.4045573	21	9 9.6	20.0
286862 2002 NO_{74}	16.6	X	134.02077	37.44119	194.83971	8.67706	0.0860738	0.21666730	2.7454095	21	10 28.9	20.7
286863 2002 NW_{74}	17.1	X	87.87989	180.60732	147.76178	2.80951	0.2100130	0.22320002	2.6915754	21	—	—
286864 2002 OA_{5}	15.9	X	213.15725	151.60271	151.38393	27.05417	0.0141983	0.23805898	2.5783765	21	1 16.2	19.7
286865 2002 OQ_{6}	16.8	X	75.62117	69.33240	244.03403	6.98351	0.2310921	0.21908700	2.7251577	21	12 19.1	21.1
286866 2002 OR_{7}	17.0	X	351.58439	225.82674	117.76104	16.12841	0.2449451	0.26238684	2.4164326	21	10 12.6	19.1
286867 2002 OJ_{11}	17.2	X	87.16350	149.52743	212.09658	6.66620	0.2735863	0.27761889	2.3272161	21	—	—
286868 2002 OQ_{12}	16.6	X	108.76851	143.96650	186.74748	6.94473	0.3446642	0.22550548	2.6731992	21	—	—
286869 2002 OU_{13}	16.2	X	79.46843	89.86873	269.36307	11.66881	0.2140172	0.22416950	2.6838096	21	—	—
286870 2002 OW_{14}	15.6	X	49.46738	130.21709	271.75124	12.02728	0.1726429	0.22402681	2.6849491	21	—	—
286871 2002 OD_{15}	16.0	X	72.33096	60.92489	272.52867	11.49325	0.1844108	0.21946162	2.7220556	21	—	—
286872 2002 OZ_{15}	15.6	X	99.14487	41.15891	281.85626	13.25455	0.1276976	0.22221587	2.6995166	21	—	—
286873 2002 OU_{19}	16.2	X	54.50402	48.57944	237.18724	11.27642	0.1787423	0.21394678	2.7686340	21	10 13.7	20.0
286874 2002 ON_{21}	15.6	X	63.31386	115.22370	293.86110	25.95403	0.1164096	0.22990265	2.6390041	21	—	—
286875 2002 OE_{24}	15.7	X	159.76172	359.85363	319.69137	15.13664	0.1487715	0.23205936	2.6226278	21	—	—
286876 2002 OY_{26}	17.1	X	204.38493	176.13959	144.69281	1.09512	0.1050613	0.23811205	2.5779934	21	1 30.4	21.0
286877 2002 OQ_{27}	16.5	X	160.22592	235.30349	116.25641	5.65330	0.1738961	0.23628473	2.5912677	21	1 29.9	20.4
286878 2002 OT_{27}	17.1	X	214.22752	79.83824	196.06373	3.08371	0.0703777	0.23462030	2.6035085	21	—	—
286879 2002 OZ_{27}	18.2	X	280.04363	35.83340	242.02314	2.94022	0.1633299	0.29729926	2.2233449	21	2 8.3	21.3
286880 2002 OF_{28}	16.0	X	155.77807	335.61459	298.64449	13.00951	0.0288814	0.22562563	2.6722500	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286881 2002 OS_{28}	15.1	X	150.64670	128.58603	219.41994	22.05881	0.1291596	0.17974084	3.1096025	21	1 15.0	20.3
286882 2002 OR_{32}	16.8	X	211.92011	226.74444	110.04314	3.50202	0.0730033	0.24221427	2.5488028	21	2 27.3	20.4
286883 2002 OY_{35}	16.6	X	55.67459	197.45272	155.80025	5.28797	0.0727387	0.22144613	2.7057686	21	12 27.8	20.4
286884 2002 PE	17.1	X	335.07234	225.30239	114.30517	5.17654	0.2191952	0.25944884	2.4346408	21	8 6.5	18.6
286885 2002 PE_{2}	15.6	X	179.54946	115.18918	212.01772	11.69155	0.1102235	0.18376091	3.0640838	21	1 19.6	20.6
286886 2002 PL_{9}	17.1	X	85.15768	227.93997	166.03249	6.28584	0.2118642	0.28095822	2.3087393	21	—	—
286887 2002 PP_{11}	17.1	X	295.64698	105.83676	153.95466	6.53992	0.1896698	0.24555974	2.5256002	21	2 7.6	20.7
286888 2002 PS_{13}	17.6	X	243.02000	5.33423	291.44224	6.42086	0.1412109	0.29473124	2.2362410	21	1 28.9	20.8
286889 2002 PO_{21}	17.6	X	122.51340	244.71025	138.67616	6.73452	0.2739267	0.28439037	2.2901264	21	2 2.7	20.5
286890 2002 PU_{21}	16.2	X	59.79180	89.26885	298.29471	11.63648	0.1853004	0.22477407	2.6789951	21	—	—
286891 2002 PF_{28}	16.1	X	33.02671	100.28683	307.63948	6.45661	0.2529911	0.22208259	2.7005966	21	—	—
286892 2002 PK_{31}	17.1	X	143.89861	143.91283	148.52135	7.24887	0.1325654	0.27843009	2.3226937	21	—	—
286893 2002 PL_{33}	15.7	X	176.22079	13.93781	329.92574	22.31580	0.0856183	0.18346879	3.0673353	21	2 9.1	20.4
286894 2002 PF_{38}	17.7	X	28.24156	120.66234	255.74177	0.53800	0.1871035	0.27148433	2.3621431	21	—	—
286895 2002 PJ_{39}	17.2	X	172.26474	241.76411	134.54012	8.70485	0.1390084	0.29307023	2.2446825	21	3 4.4	20.4
286896 2002 PM_{43}	17.3	X	12.55838	176.18650	164.12589	24.35371	0.1174949	0.36994983	1.9217969	21	11 24.5	19.8
286897 2002 PL_{48}	15.3	X	359.65272	128.00684	274.21578	6.61749	0.2241472	0.21470330	2.7621265	21	—	—
286898 2002 PP_{48}	15.9	X	163.02216	350.44679	314.85117	15.91114	0.2077874	0.22889841	2.6467172	21	—	—
286899 2002 PB_{56}	15.5	X	76.60637	53.94969	310.86319	11.38693	0.1903150	0.22362649	2.6881524	21	—	—
286900 2002 PQ_{61}	16.2	X	74.37067	198.93061	199.28111	12.25371	0.1598580	0.22701559	2.6613312	21	—	—
286901 2002 PU_{64}	16.8	X	113.50083	105.83225	210.89750	9.87196	0.1973690	0.27661243	2.3328577	21	—	—
286902 2002 PL_{66}	18.0	X	309.22980	358.62139	280.89922	3.91834	0.1969450	0.30261178	2.1972468	21	3 10.1	20.7
286903 2002 PY_{67}	17.6	X	356.51349	24.57691	232.74458	2.05779	0.1463594	0.25363175	2.4717258	21	5 16.7	19.6
286904 2002 PY_{68}	16.5	X	62.16721	163.22787	200.68227	6.29058	0.2992010	0.22087362	2.7104422	21	—	—
286905 2002 PC_{69}	16.5	X	212.66240	125.17772	171.82996	18.85869	0.3042084	0.23718193	2.5847288	21	1 11.2	21.6
286906 2002 PS_{72}	15.5	X	146.34667	131.68544	201.08474	12.53230	0.1549514	0.17883290	3.1201186	21	—	—
286907 2002 PX_{72}	15.9	X	117.11333	94.19025	160.65379	25.04383	0.0757466	0.21766971	2.7369743	21	11 11.6	20.4
286908 2002 PE_{73}	16.4	X	83.09637	118.50498	238.26335	10.27745	0.2140302	0.22481756	2.6786495	21	—	—
286909 2002 PY_{73}	16.0	X	82.94386	192.84411	176.92035	14.47034	0.2552613	0.22452577	2.6809698	21	—	—
286910 2002 PB_{86}	17.0	X	182.97253	301.59638	22.89456	4.18963	0.2643293	0.23529716	2.5985132	21	1 24.0	21.6
286911 2002 PR_{86}	15.8	X	145.40642	208.88187	130.21723	15.14675	0.2638277	0.23076252	2.6324444	21	1 10.2	20.0
286912 2002 PL_{87}	16.4	X	96.02747	328.22746	341.52666	12.57415	0.2187186	0.22184129	2.7025545	21	—	—
286913 2002 PW_{88}	17.5	X	180.53057	172.75548	126.25793	7.65237	0.1293168	0.28296331	2.2978198	21	—	—
286914 2002 PH_{89}	16.0	X	214.72376	107.15817	206.69474	12.51576	0.1885395	0.23848071	2.5753359	21	1 28.9	20.5
286915 2002 PR_{95}	16.6	X	229.16476	27.95896	295.63832	8.02082	0.2207315	0.24234986	2.5478520	21	2 21.1	21.1
286916 2002 PT_{96}	16.3	X	205.26662	299.56363	63.41534	2.79905	0.3470781	0.18971043	2.9996821	21	3 28.1	21.9
286917 2002 PV_{100}	16.6	X	310.59316	127.44378	116.48493	14.09441	0.1398479	0.24501626	2.5293336	21	2 14.4	20.0
286918 2002 PP_{102}	16.6	X	85.33155	152.79715	193.94941	11.15235	0.1990809	0.22358963	2.6884478	21	—	—
286919 2002 PQ_{102}	16.4	X	244.03010	358.53493	259.50830	10.93045	0.1423146	0.23701852	2.5859167	21	—	—
286920 2002 PG_{104}	15.8	X	351.99244	157.03532	251.47141	8.58015	0.1418010	0.21723732	2.7406049	21	12 17.4	18.8
286921 2002 PO_{104}	16.1	X	90.59002	63.35717	240.54738	7.97706	0.0967482	0.21915224	2.7246168	21	12 9.7	20.1
286922 2002 PT_{104}	16.5	X	273.90777	288.92108	313.36317	25.83646	0.2443058	0.23984862	2.5655348	21	—	—
286923 2002 PW_{105}	17.3	X	354.31478	136.63264	211.28728	6.09525	0.1473224	0.26270173	2.4145012	21	10 5.7	19.4
286924 2002 PN_{106}	16.3	X	40.40163	139.01628	241.53838	7.93434	0.0896491	0.22094790	2.7098347	21	—	—
286925 2002 PT_{106}	16.6	X	44.75449	94.35558	269.20868	6.88016	0.2269580	0.21834250	2.7313490	21	—	—
286926 2002 PB_{109}	17.4	X	191.28255	121.34930	219.91159	6.78698	0.1753881	0.29101978	2.2552138	21	2 4.7	21.1
286927 2002 PA_{113}	16.5	X	61.46766	150.62390	165.32842	15.01520	0.2470281	0.21687558	2.7436515	21	12 11.8	20.9
286928 2002 PD_{113}	15.8	X	343.02413	93.38854	319.74872	23.60579	0.2086845	0.21513076	2.7584664	21	12 13.5	19.0
286929 2002 PT_{114}	17.7	X	27.80185	230.39903	169.88167	3.70033	0.1739351	0.27251050	2.3562094	21	—	—
286930 2002 PJ_{119}	16.6	X	132.55988	162.46003	216.91478	2.99156	0.1317116	0.23385423	2.6091911	21	1 29.0	20.2
286931 2002 PP_{119}	16.6	X	244.60559	337.15130	309.91448	8.71509	0.1243779	0.23953916	2.5677439	21	1 28.4	20.4
286932 2002 PL_{122}	16.9	X	190.13363	178.05731	210.72441	4.53525	0.1861052	0.24380695	2.5376905	21	4 11.1	21.1
286933 2002 PN_{123}	16.3	X	198.14866	8.52521	270.28442	6.93980	0.1945410	0.23228741	2.6209110	21	—	—
286934 2002 PA_{124}	16.9	X	78.18171	199.73432	113.02265	7.82172	0.2734636	0.27136370	2.3628431	21	12 31.8	20.9
286935 2002 PS_{124}	16.4	X	127.57649	71.19398	313.31138	4.79101	0.2543859	0.23227947	2.6209707	21	2 15.1	20.1
286936 2002 PT_{127}	15.9	X	43.93638	231.39345	127.90374	9.41407	0.1526851	0.21876448	2.7278355	21	12 31.8	19.7
286937 2002 PN_{139}	15.4	X	124.96068	309.68154	353.37803	11.18615	0.2798451	0.22475869	2.6791172	21	—	—
286938 2002 PH_{142}	16.5	X	77.23393	72.51666	290.79192	12.44981	0.1992140	0.22277621	2.6949881	21	—	—
286939 2002 PJ_{158}	17.1	X	173.08466	243.78801	129.43077	3.89068	0.2119264	0.23895838	2.5719028	21	3 11.6	21.3
286940 2002 PZ_{159}	17.2	X	164.35292	154.47357	114.53408	7.41454	0.0677534	0.27842059	2.3227465	21	—	—
286941 2002 PJ_{161}	17.3	X	163.39269	49.78286	321.74214	6.07741	0.1334264	0.29027827	2.2590527	21	2 14.4	20.5
286942 2002 PZ_{161}	17.7	X	23.37329	225.17020	69.60280	2.10724	0.1860221	0.26153723	2.4216630	21	9 19.3	19.9
286943 2002 PN_{162}	16.9	X	340.71612	350.49797	122.09239	6.92546	0.0456637	0.27963356	2.3160247	21	—	—
286944 2002 PD_{164}	17.3	X	238.02622	249.67092	100.10667	4.27116	0.2243102	0.24630764	2.5204851	21	4 4.9	21.6
286945 2002 PO_{165}	17.1	X	235.22836	213.28199	154.64150	6.77629	0.0873567	0.24775405	2.5106656	21	5 4.3	20.8
286946 2002 PY_{167}	17.4	X	176.69251	37.21243	335.66520	3.68879	0.1530018	0.23946076	2.5683043	21	3 9.5	21.3
286947 2002 PA_{169}	16.6	X	35.57373	60.65861	329.66037	6.36542	0.2068783	0.22003057	2.7173612	21	—	—
286948 2002 PC_{169}	18.0	X	279.31802	74.63898	332.76996	1.52521	0.2132391	0.25728310	2.4482844	21	8 1.9	21.0
286949 2002 PP_{169}	16.4	X	13.39324	28.53771	356.07823	5.20165	0.0494541	0.21836663	2.7311478	21	12 8.1	20.0
286950 2002 PX_{169}	16.4	X	18.79988	287.56679	142.80721	8.91618	0.1968492	0.22419275	2.6836241	21	—	—
286951 2002 PJ_{170}	16.4	X	260.62362	17.15317	210.26731	15.03363	0.1013619	0.23540959	2.5976858	21	—	—
286952 2002 PE_{172}	16.9	X	77.64945	234.64036	117.38623	3.94092	0.1153928	0.22339083	2.6900425	21	—	—
286953 2002 PM_{173}	15.4	X	347.40435	183.25410	309.57369	15.48830	0.0614475	0.17853032	3.1236430	21	—	—
286954 2002 PO_{174}	15.5	X	233.92129	156.03217	119.25204	12.75789	0.0707287	0.18431586	3.0579303	21	1 15.0	20.2
286955 2002 PL_{177}	17.4	X	345.75421	319.33765	44.26163	3.15260	0.2052045	0.26364223	2.4087556	21	10 18.3	19.0
286956 2002 PS_{177}	17.1	X	323.10790	65.54596	262.61892	6.12453	0.1422757	0.25670234	2.4519757	21	6 30.0	19.5
286957 2002 PE_{178}	16.8	X	163.81980	63.06280	285.58843	3.49486	0.0811783	0.23533223	2.5982550	21	1 20.7	20.4
286958 2002 PR_{178}	15.2	X	162.94270	277.63389	328.54533	24.73464	0.2129894	0.17336039	3.1854403	21	12 1.8	21.1
286959 2002 PL_{180}	17.1	X	337.41336	86.32187	271.60810	0.48732	0.0882570	0.20968780	2.8059975	21	9 10.4	20.5
286960 2002 PP_{181}	15.9	X	164.64477	331.11618	286.55453	12.61762	0.0780444	0.22292220	2.6938113	21	12 30.9	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
286961 2002 PU_{182}	17.0	X	15.05697	258.52788	133.30937	11.47539	0.1933305	0.21829469	2.7317478	21	—	—
286962 2002 PN_{185}	16.6	X	248.71395	303.29910	49.94258	2.59808	0.1108339	0.19692292	2.9259834	21	4 29.8	20.9
286963 2002 PD_{190}	15.9	X	219.81050	56.13795	283.78615	10.58014	0.0908659	0.18921157	3.0049524	21	3 10.9	20.7
286964 2002 PS_{192}	16.7	X	2.07715	103.85768	284.99290	2.77358	0.0746039	0.21719738	2.7409409	21	11 30.5	20.2
286965 2002 PV_{192}	16.1	X	62.29639	238.98000	157.13521	12.21059	0.0965109	0.17436326	3.1732142	21	—	—
286966 2002 PP_{194}	18.0	X	324.59325	77.23009	239.13290	0.12742	0.1895726	0.25588822	2.4571737	21	6 7.2	20.2
286967 2002 PR_{194}	16.6	X	298.68748	248.26588	324.49369	2.84491	0.2056909	0.24054905	2.5605521	21	—	—
286968 2002 QX_{2}	17.1	X	238.49940	89.56016	239.10948	2.46760	0.1717144	0.24338340	2.5406339	21	3 10.1	21.1
286969 2002 QC_{8}	16.4	X	145.29236	218.14603	88.04625	4.26195	0.0810416	0.22610587	2.6684649	21	—	—
286970 2002 QN_{11}	16.7	X	80.85098	18.12865	314.73986	9.99394	0.1193723	0.22168382	2.7038341	21	—	—
286971 2002 QC_{13}	17.1	X	191.29931	148.87398	258.22907	3.31181	0.2731487	0.24415290	2.5352928	21	5 5.0	21.7
286972 2002 QW_{16}	17.0	X	25.21279	83.29348	247.01867	5.18963	0.1536210	0.26421759	2.4052575	21	11 6.9	19.6
286973 2002 QK_{17}	17.6	X	234.49438	189.26596	156.23764	6.54605	0.3131519	0.24365968	2.5387130	21	3 23.6	22.2
286974 2002 QC_{19}	17.0	X	217.35403	349.87875	1.06523	6.23477	0.1537067	0.24225849	2.5484926	21	3 20.3	21.0
286975 2002 QD_{19}	17.2	X	110.99855	179.27457	106.75464	3.75489	0.1960801	0.27250100	2.3562642	21	12 22.5	20.8
286976 2002 QF_{22}	17.1	X	297.79412	298.18017	312.69210	7.73693	0.1315014	0.29507644	2.2344966	21	1 29.1	19.9
286977 2002 QJ_{23}	17.8	X	49.31732	9.79345	3.67645	0.97587	0.2055670	0.27234817	2.3571456	21	—	—
286978 2002 QR_{26}	17.3	X	129.11911	289.71293	334.27414	4.34201	0.1007870	0.27261215	2.3556237	21	12 9.2	20.8
286979 2002 QS_{26}	16.9	X	103.56589	218.24045	148.34400	2.36078	0.1072292	0.22719673	2.6599164	21	—	—
286980 2002 QO_{27}	17.0	X	213.47961	209.80806	138.05374	12.31287	0.2026086	0.24165306	2.5527474	21	3 15.3	21.4
286981 2002 QM_{36}	16.4	X	11.82188	228.20188	163.86310	6.18713	0.1862069	0.21613047	2.7499537	21	—	—
286982 2002 QL_{38}	17.5	X	82.98713	350.72123	105.65113	0.35337	0.0096620	0.23612420	2.5924420	21	2 16.3	20.7
286983 2002 QP_{38}	17.0	X	4.93091	108.79289	167.41279	6.11675	0.1244331	0.25317591	2.4746919	21	7 3.9	19.5
286984 2002 QD_{42}	16.3	X	132.69646	22.04166	336.42912	12.52788	0.2325835	0.23194175	2.6235142	21	1 20.5	20.2
286985 2002 QG_{44}	16.1	X	134.82242	280.92521	102.24005	8.89896	0.1287249	0.23465412	2.6032583	21	2 7.6	19.7
286986 2002 QX_{44}	16.9	X	224.06002	241.01887	70.55198	4.70376	0.1580813	0.23869212	2.5738150	21	2 8.5	21.0
286987 2002 QC_{48}	15.8	X	147.71851	202.16360	117.50315	5.69062	0.1103473	0.17786414	3.1314377	21	—	—
286988 2002 QW_{49}	16.8	X	50.18567	231.21131	152.20885	3.14396	0.1187061	0.22155742	2.7048624	21	—	—
286989 2002 QS_{51}	16.1	X	309.23280	199.48886	150.08981	7.27591	0.0753188	0.20357240	2.8619154	21	7 16.3	19.7
286990 2002 QP_{52}	16.6	X	126.59599	298.47084	108.93272	3.52705	0.0991857	0.23658168	2.5890989	21	2 23.7	20.1
286991 2002 QU_{53}	16.6	X	113.07633	258.78385	343.98037	12.55501	0.1564442	0.21489976	2.7604429	21	10 18.7	21.1
286992 2002 QJ_{54}	16.6	X	182.46461	321.72907	321.92915	8.56694	0.1057998	0.22777729	2.6553948	21	—	—
286993 2002 QK_{54}	17.8	X	56.89040	8.22638	296.87167	1.89766	0.1859818	0.26684890	2.3894197	21	11 21.8	21.1
286994 2002 QN_{54}	17.2	X	132.07218	51.73646	0.09854	4.54741	0.1742434	0.23679374	2.5875529	21	3 16.4	21.0
286995 2002 QV_{54}	16.2	X	353.83147	102.74363	347.73426	12.32901	0.0815278	0.22377958	2.6869263	21	—	—
286996 2002 QT_{56}	17.8	X	338.36002	247.39282	94.94766	2.44534	0.1826830	0.25884905	2.4384003	21	8 23.2	19.7
286997 2002 QK_{59}	16.8	X	59.07739	34.23618	307.07476	6.50916	0.0656028	0.21887381	2.7269271	21	12 15.7	20.6
286998 2002 QT_{59}	17.6	X	276.24049	4.93092	288.80264	6.52961	0.1061675	0.29684193	2.2256279	21	3 1.3	20.6
286999 2002 QF_{60}	16.6	X	43.56945	86.83739	282.44210	7.50545	0.1116814	0.21988096	2.7185937	21	—	—
287000 2002 QS_{62}	16.7	X	91.45193	103.21538	300.84661	1.42969	0.2117743	0.22976967	2.6400222	21	1 20.0	19.6
287001 2002 QA_{66}	17.7	X	186.54905	247.90712	6.70530	2.20068	0.1880114	0.28042378	2.3116717	21	—	—
287002 2002 QK_{66}	16.7	X	295.24076	4.68447	350.50623	1.54965	0.0825458	0.20310972	2.8662600	21	7 3.3	20.5
287003 2002 QY_{66}	16.5	X	34.28914	265.90477	93.44066	3.66517	0.1876255	0.21708238	2.7419088	21	12 24.5	19.9
287004 2002 QP_{68}	16.6	X	21.85157	238.79714	150.45379	5.75884	0.0288415	0.22008422	2.7169195	21	12 23.8	20.2
287005 2002 QJ_{69}	16.1	X	204.20494	124.36802	138.25522	4.30858	0.1409676	0.17833949	3.1258709	21	—	—
287006 2002 QD_{72}	16.8	X	3.92853	326.45348	14.31707	3.09332	0.1451005	0.21077755	2.7963175	21	10 5.5	19.7
287007 2002 QN_{72}	16.0	X	105.52600	264.10595	135.28075	10.83519	0.0652413	0.18119683	3.0929222	21	1 22.4	20.3
287008 2002 QD_{75}	16.0	X	143.72155	6.74680	18.55357	5.24934	0.1424670	0.18380292	3.0636169	21	2 28.8	20.7
287009 2002 QV_{75}	16.3	X	85.06371	299.89476	127.58241	14.85016	0.0487624	0.23392349	2.6086761	21	1 17.2	19.5
287010 2002 QQ_{76}	17.3	X	228.58196	87.48566	117.20272	5.23829	0.0872975	0.27710997	2.3300645	21	—	—
287011 2002 QH_{80}	16.7	X	166.39153	277.95430	301.91613	5.38693	0.1622059	0.27198293	2.3592553	21	11 18.5	20.5
287012 2002 QF_{81}	16.8	X	116.22684	283.96347	324.59115	7.89609	0.2281450	0.21836292	2.7311787	21	11 4.0	21.5
287013 2002 QQ_{82}	16.1	X	198.30539	3.22836	290.36732	7.92884	0.0904589	0.18090048	3.0962990	21	1 1.7	20.9
287014 2002 QU_{82}	16.9	X	136.70872	105.40019	216.05734	2.67637	0.1570102	0.22800894	2.6535960	21	—	—
287015 2002 QJ_{83}	16.7	X	267.00501	9.83383	211.21708	3.13814	0.1344432	0.23413958	2.6070708	21	—	—
287016 2002 QK_{85}	16.8	X	74.65188	75.15317	300.92924	5.16762	0.0811151	0.22573929	2.6713530	21	—	—
287017 2002 QL_{85}	16.6	X	72.97552	83.78536	284.72449	3.45507	0.1118354	0.22421238	2.6834674	21	—	—
287018 2002 QV_{85}	16.0	X	165.62176	123.85434	155.95280	10.65908	0.2224245	0.17586125	3.1551689	21	—	—
287019 2002 QZ_{86}	17.1	X	189.86170	276.62224	96.94191	2.22041	0.1362590	0.24024101	2.5627404	21	3 23.7	21.1
287020 2002 QH_{87}	16.0	X	235.49384	264.51902	359.49213	8.19595	0.1147089	0.18108888	3.0941512	21	1 3.4	21.0
287021 2002 QL_{87}	16.9	X	75.70178	316.40344	26.48732	2.62363	0.1038661	0.22020713	2.7159085	21	—	—
287022 2002 QR_{89}	16.9	X	276.99704	206.73788	180.31084	1.90565	0.0780461	0.20356888	2.8619484	21	7 20.8	20.8
287023 2002 QO_{91}	16.5	X	188.07680	50.21974	202.75249	11.25714	0.0770658	0.22807433	2.6530888	21	—	—
287024 2002 QP_{91}	16.1	X	55.85356	233.81230	260.95533	8.82726	0.0442472	0.18921353	3.0049316	21	3 7.9	20.3
287025 2002 QZ_{91}	17.3	X	113.72493	346.24139	44.77552	6.75367	0.0881641	0.28392903	2.2926065	21	1 2.9	19.9
287026 2002 QU_{92}	17.5	X	64.56194	256.81478	107.57430	6.70295	0.1402754	0.27377074	2.3489730	21	—	—
287027 2002 QF_{94}	14.6	X	226.58137	282.04516	259.96304	16.83330	0.0718836	0.16962990	3.2319734	21	11 27.9	19.4
287028 2002 QG_{96}	16.2	X	70.48307	266.78952	122.24057	12.38647	0.0987335	0.22736223	2.6586255	21	—	—
287029 2002 QT_{98}	16.9	X	4.05791	150.51613	71.95197	5.51549	0.0874418	0.24628784	2.5206201	21	4 15.4	19.7
287030 2002 QP_{102}	15.5	X	121.17789	218.76053	128.04883	10.69382	0.0983659	0.17656972	3.1467234	21	—	—
287031 2002 QT_{104}	16.2	X	302.24753	276.38994	196.38531	7.47602	0.1933143	0.21944308	2.7222089	21	12 11.6	19.1
287032 2002 QH_{107}	17.4	X	248.74789	322.52879	298.50799	5.03341	0.1230068	0.28959259	2.2626172	21	—	—
287033 2002 QA_{108}	16.2	X	108.24097	231.85050	325.14013	8.04327	0.0152281	0.20582510	2.8409951	21	8 6.7	20.0
287034 2002 QS_{108}	16.4	X	22.31915	128.68251	239.35894	4.80258	0.0489689	0.21728700	2.7401871	21	11 29.5	20.0
287035 2002 QQ_{109}	16.1	X	255.93326	78.01056	318.59615	5.52513	0.0746595	0.20331839	2.8642985	21	7 7.6	20.1
287036 2002 QU_{110}	17.1	X	96.62785	176.39818	187.95144	1.67032	0.1101237	0.22768729	2.6560945	21	—	—
287037 2002 QU_{112}	17.3	X	263.91550	68.45173	247.92952	3.63033	0.0225492	0.24539636	2.5267211	21	4 4.2	20.7
287038 2002 QT_{113}	15.9	X	264.91656	35.99985	199.22008	11.60680	0.0972668	0.18229882	3.0804452	21	—	—
287039 2002 QQ_{115}	16.6	X	335.68970	44.46315	28.68635	2.03291	0.0540786	0.21905830	2.7253958	21	12 18.7	20.0
287040 2002 QS_{115}	17.0	X	37.78246	79.85035	329.30792	5.06356	0.1078559	0.22516491	2.6758940	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287041 2002 QX_{115}	16.1	X	266.30621	24.66722	155.54072	12.48525	0.0897731	0.22548940	2.6733262	21	—	—
287042 2002 QZ_{115}	16.0	X	250.15884	280.10215	297.32585	8.09470	0.0688780	0.17776036	3.1326564	21	—	—
287043 2002 QA_{118}	16.3	X	245.83828	139.63658	140.34981	2.97337	0.1393848	0.18736630	3.0246495	21	1 27.8	21.0
287044 2002 QJ_{121}	15.0	X	207.96538	246.44614	324.17929	17.69148	0.1333491	0.17106941	3.2138170	21	12 4.3	20.3
287045 2002 QV_{122}	15.8	X	107.32090	133.74699	203.47538	11.15870	0.0875478	0.17245236	3.1966122	21	—	—
287046 2002 QC_{123}	15.7	X	168.27924	61.94817	277.92219	8.19505	0.0643690	0.18139752	3.0906404	21	1 22.1	20.3
287047 2002 QJ_{123}	15.1	X	231.96940	303.99399	152.27212	10.90314	0.0820674	0.15294085	3.4630098	21	8 20.6	20.2
287048 2002 QS_{125}	16.7	X	80.58609	52.34975	297.11791	5.13415	0.0259236	0.22316043	2.6918938	21	—	—
287049 2002 QX_{127}	16.5	X	70.24101	320.63298	80.25808	3.69344	0.0866027	0.22780901	2.6551483	21	—	—
287050 2002 QL_{128}	16.6	X	48.26663	61.89656	347.08433	12.94444	0.1751450	0.22435612	2.6823211	21	—	—
287051 2002 QS_{129}	16.7	X	339.56607	270.10893	136.75289	6.59841	0.0279334	0.21679799	2.7443061	21	11 21.1	20.4
287052 2002 QV_{130}	16.4	X	277.54571	297.41365	117.98586	4.86360	0.0825059	0.20786303	2.8223956	21	8 29.9	20.1
287053 2002 QT_{131}	17.2	X	80.39973	301.76648	6.95495	4.22535	0.0667118	0.21816766	2.7328080	21	11 29.8	21.1
287054 2002 QS_{133}	16.4	X	163.35880	44.84850	324.93715	8.14435	0.1443529	0.18495399	3.0508926	21	2 26.5	21.2
287055 2002 QR_{134}	16.4	X	118.03476	314.90089	113.63278	6.45796	0.1320385	0.18512446	3.0490193	21	3 25.4	20.9
287056 2002 QY_{134}	16.7	X	65.31865	247.07106	93.09259	5.80934	0.1215088	0.22023672	2.7156652	21	12 29.2	20.6
287057 2002 RG	17.0	X	68.38781	97.09534	212.44265	13.30312	0.2901744	0.21648512	2.7469496	21	12 13.5	21.5
287058 2002 RH	16.4	X	173.43693	88.79816	205.88815	12.49365	0.1505738	0.22781932	2.6550682	21	—	—
287059 2002 RF_{1}	16.4	X	84.45466	345.17032	332.21909	8.91494	0.1808642	0.21823286	2.7322638	21	12 28.1	20.8
287060 2002 RB_{4}	17.1	X	34.18535	91.96385	206.45630	11.55613	0.1810143	0.26293652	2.4130636	21	10 11.1	19.8
287061 2002 RL_{4}	16.4	X	89.70353	96.93558	245.41339	11.73829	0.2097348	0.22216615	2.6999194	21	—	—
287062 2002 RC_{11}	16.1	X	68.53831	27.61465	336.49950	12.14795	0.1872798	0.22172884	2.7034682	21	—	—
287063 2002 RR_{11}	16.7	X	159.34084	346.60168	343.10740	7.79308	0.2117132	0.23038141	2.6353467	21	1 8.2	20.9
287064 2002 RJ_{12}	15.9	X	101.91494	339.10200	349.53379	10.03806	0.1447067	0.22137640	2.7063368	21	—	—
287065 2002 RU_{15}	17.2	X	42.20494	173.02009	183.59189	4.69642	0.1991706	0.26887661	2.3773914	21	—	—
287066 2002 RP_{19}	16.5	X	88.05937	292.59769	22.97888	7.40231	0.1241957	0.27023668	2.3694080	21	—	—
287067 2002 RG_{20}	16.9	X	36.75670	320.88335	41.13793	4.15996	0.1954591	0.26810805	2.3819327	21	—	—
287068 2002 RO_{23}	16.3	X	94.18091	125.57748	164.49648	3.77608	0.1721217	0.21757827	2.7377411	21	12 3.8	20.6
287069 2002 RH_{24}	17.5	X	128.06145	19.73384	291.38607	1.12237	0.2459138	0.27742851	2.3282806	21	—	—
287070 2002 RW_{27}	17.4	X	226.86191	192.35112	139.96619	7.25094	0.2504976	0.29312130	2.2444217	21	2 27.7	21.1
287071 2002 RZ_{28}	15.9	X	132.45671	45.29234	238.29997	11.55740	0.1511574	0.22306072	2.6926959	21	12 28.4	20.4
287072 2002 RN_{29}	16.0	X	52.84684	90.68069	272.31716	3.79832	0.1768400	0.21891886	2.7265529	21	—	—
287073 2002 RA_{33}	17.8	X	178.25847	74.53078	276.65700	1.71495	0.1886162	0.28760804	2.2730136	21	2 8.4	21.2
287074 2002 RC_{34}	18.0	X	4.04467	336.27744	19.27950	3.07793	0.1626434	0.31528832	2.1379496	21	11 21.2	19.8
287075 2002 RH_{36}	16.9	X	338.26510	161.65686	175.23479	15.97973	0.0860519	0.25780957	2.4449502	21	8 14.4	19.7
287076 2002 RX_{37}	16.8	X	62.50038	114.29941	221.03400	2.52184	0.2025308	0.21797042	2.7344564	21	12 29.4	20.9
287077 2002 RV_{38}	15.7	X	43.88685	245.75149	174.86309	13.66199	0.0732146	0.22664429	2.6642371	21	—	—
287078 2002 RX_{38}	16.1	X	83.32353	109.06081	176.54729	12.39244	0.1488641	0.21584837	2.7523492	21	11 17.1	20.4
287079 2002 RE_{39}	16.8	X	22.44303	72.97495	295.97284	3.94328	0.1545874	0.26829137	2.3808475	21	12 28.1	19.5
287080 2002 RF_{48}	17.1	X	55.69663	4.90820	19.82266	2.59918	0.2100482	0.27316238	2.3524593	21	—	—
287081 2002 RG_{51}	15.4	X	83.18303	359.39865	3.68823	28.74276	0.1485972	0.22196487	2.7015513	21	—	—
287082 2002 RS_{56}	15.9	X	114.05695	133.06128	189.29361	7.81430	0.2631057	0.22321510	2.6914542	21	—	—
287083 2002 RH_{57}	16.5	X	174.53964	40.57087	288.13173	3.44576	0.2090804	0.23232902	2.6205980	21	1 18.3	20.7
287084 2002 RW_{57}	16.8	X	231.50406	114.31502	221.64737	4.66420	0.2298615	0.24168208	2.5525431	21	3 10.3	21.2
287085 2002 RN_{69}	17.1	X	16.16513	48.84592	2.78330	5.04189	0.2271752	0.26980065	2.3719601	21	—	—
287086 2002 RO_{69}	17.4	X	36.61605	330.59754	16.29659	2.63158	0.2368797	0.26686204	2.3893412	21	12 29.7	20.6
287087 2002 RQ_{71}	16.3	X	89.17649	197.75531	184.44826	4.64748	0.1704812	0.22645737	2.6657029	21	—	—
287088 2002 RJ_{73}	16.8	X	160.86492	190.40122	182.56930	4.29734	0.2099728	0.23565529	2.5958798	21	2 27.1	20.9
287089 2002 RB_{76}	16.0	X	1.62433	274.39004	166.76928	13.30048	0.2389308	0.21962773	2.7206829	21	—	—
287090 2002 RF_{77}	17.7	X	239.16858	32.23973	336.00318	6.34137	0.2768934	0.24622348	2.5210594	21	4 20.8	22.2
287091 2002 RG_{82}	16.1	X	78.42618	158.70197	191.86529	4.53954	0.1259252	0.22020373	2.7159364	21	—	—
287092 2002 RN_{85}	15.5	X	15.94502	220.48464	178.45589	25.64056	0.1623465	0.21586495	2.7522083	21	—	—
287093 2002 RG_{87}	16.4	X	35.57913	353.69257	359.53930	9.96872	0.2743478	0.21419999	2.7664517	21	12 31.6	20.3
287094 2002 RZ_{97}	16.5	X	168.14353	32.34443	1.46497	12.75426	0.2819014	0.23640527	2.5903868	21	4 1.9	21.1
287095 2002 RF_{109}	17.6	X	217.00094	180.88937	196.40510	7.73863	0.2451976	0.24419863	2.5349763	21	4 19.4	21.9
287096 2002 RT_{110}	17.0	X	342.43898	22.04224	311.82721	6.01239	0.1458854	0.25761570	2.4461767	21	8 17.8	19.1
287097 2002 RE_{113}	17.6	X	144.73693	67.92153	231.65642	3.13006	0.1740537	0.27823665	2.3237701	21	—	—
287098 2002 RW_{125}	16.4	X	119.95138	164.37602	133.35396	14.95541	0.2494760	0.22371819	2.6874178	21	—	—
287099 2002 RK_{127}	16.2	X	354.95995	200.04548	214.59453	13.26096	0.0993065	0.21854295	2.7296786	21	12 25.3	19.7
287100 2002 RN_{135}	16.9	X	99.14578	171.04449	124.16327	6.31393	0.1791094	0.27073528	2.3664980	21	12 22.4	20.5
287101 2002 RL_{141}	16.2	X	110.18850	150.39593	207.91086	5.98046	0.3054225	0.22591763	2.6699469	21	1 2.3	19.7
287102 2002 RC_{144}	17.4	X	23.91297	32.08314	283.22604	3.02800	0.2251378	0.26187564	2.4195762	21	10 25.1	19.8
287103 2002 RA_{147}	18.1	X	347.00649	142.46793	185.05421	1.23821	0.1925582	0.25743196	2.4473406	21	8 17.6	19.8
287104 2002 RD_{150}	16.2	X	46.46170	136.85576	240.45294	4.77129	0.2446863	0.21816310	2.7328462	21	—	—
287105 2002 RF_{150}	16.1	X	107.66484	208.25801	195.73280	12.57534	0.1348530	0.23073573	2.6326481	21	1 27.9	19.7
287106 2002 RV_{150}	17.5	X	173.31435	61.55713	177.77289	20.46112	0.0203105	0.37736174	1.8965493	21	—	—
287107 2002 RX_{152}	15.5	X	151.66488	166.66389	303.81602	8.80428	0.0510393	0.19490551	2.9461394	21	6 11.5	19.9
287108 2002 RZ_{153}	17.5	X	205.42065	78.60492	317.69224	0.81781	0.2465036	0.24298885	2.5433833	21	5 2.8	22.0
287109 2002 RE_{155}	15.9	X	95.64542	92.31503	340.71867	9.23123	0.0715296	0.18219041	3.0816670	21	2 21.7	20.1
287110 2002 RC_{160}	17.2	X	288.77373	20.61209	354.70603	2.27768	0.1961649	0.25444733	2.4664413	21	7 3.4	20.3
287111 2002 RJ_{160}	15.3	X	200.48596	261.05395	345.47033	24.02441	0.2889921	0.17624120	3.1506326	21	—	—
287112 2002 RG_{161}	16.6	X	235.03618	57.34177	163.95849	6.73731	0.0546179	0.27846199	2.3225163	21	—	—
287113 2002 RE_{162}	16.4	X	236.11377	11.92691	290.71616	0.96659	0.2053948	0.18669894	3.0318530	21	2 11.2	21.5
287114 2002 RT_{163}	16.3	X	94.30036	142.78909	170.73956	13.11299	0.1448409	0.21944783	2.7221696	21	12 28.9	20.8
287115 2002 RK_{165}	16.8	X	82.45216	54.04212	311.85508	7.75832	0.1902030	0.22446262	2.6814726	21	—	—
287116 2002 RS_{165}	17.0	X	167.02347	28.87267	236.78998	1.08950	0.2851458	0.22623275	2.6674671	21	—	—
287117 2002 RG_{166}	18.0	X	106.64255	94.21083	223.13919	0.30039	0.2026905	0.27425158	2.3462266	21	—	—
287118 2002 RJ_{176}	17.2	X	222.28931	156.29607	199.30132	5.91357	0.1175601	0.24260149	2.5460899	21	3 31.3	21.0
287119 2002 RD_{177}	16.6	X	5.98621	181.53874	213.26219	4.42106	0.1045026	0.21549554	2.7553527	21	12 17.3	19.9
287120 2002 RW_{177}	16.4	X	58.07937	320.92604	345.48393	14.89841	0.1809714	0.21308349	2.7761069	21	11 10.1	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287121 2002 RM_{180}	16.7	X	121.37243	36.61029	337.25587	1.20775	0.0966089	0.22881480	2.6473618	21	1 5.5	20.3
287122 2002 RU_{181}	17.4	X	319.71187	207.43144	178.59522	22.50908	0.0853185	0.36433340	1.9414970	21	10 19.9	18.8
287123 2002 RR_{182}	16.3	X	244.45700	61.16397	260.41231	9.68977	0.1339543	0.24148270	2.5539479	21	3 5.5	20.5
287124 2002 RO_{183}	15.9	X	74.18591	55.46351	289.88897	12.56836	0.0952888	0.21855985	2.7295379	21	—	—
287125 2002 RT_{183}	16.7	X	50.24876	352.29329	299.89408	12.46114	0.2814868	0.26326053	2.4110833	21	11 5.9	20.2
287126 2002 RU_{184}	17.4	X	64.07931	92.98975	207.99037	13.02419	0.2557975	0.26666374	2.3905256	21	12 3.7	21.1
287127 2002 RZ_{184}	16.0	X	19.38769	198.57051	229.76461	9.19672	0.3081027	0.21878775	2.7276421	21	—	—
287128 2002 RV_{185}	16.1	X	14.34373	165.54418	214.38653	12.84036	0.1805191	0.21411108	2.7672174	21	12 19.9	19.6
287129 2002 RW_{187}	16.7	X	148.88951	33.10578	332.92212	2.57311	0.0572472	0.23315704	2.6143900	21	1 23.4	20.3
287130 2002 RK_{188}	17.3	X	161.67017	336.91813	11.17272	1.87346	0.2019838	0.23264456	2.6182279	21	1 30.2	21.4
287131 2002 RD_{191}	16.6	X	178.21605	336.04762	352.93662	14.03533	0.1905751	0.23436924	2.6053674	21	1 24.7	21.0
287132 2002 RZ_{192}	17.4	X	27.37138	292.38233	8.69845	3.83848	0.1179810	0.26036103	2.4289509	21	9 24.1	19.8
287133 2002 RC_{193}	16.6	X	168.97654	309.82478	14.59183	3.39594	0.1139928	0.23136408	2.6278794	21	1 1.0	20.5
287134 2002 RF_{196}	16.7	X	149.08044	210.32341	118.03033	2.95831	0.0667182	0.22845853	2.6501135	21	—	—
287135 2002 RG_{198}	17.2	X	236.96222	328.62212	19.51697	4.38053	0.2290541	0.24390596	2.5370037	21	3 31.2	21.4
287136 2002 RP_{201}	17.2	X	31.46800	342.90012	6.10371	1.55852	0.1968726	0.26722487	2.3871780	21	12 19.9	20.1
287137 2002 RV_{201}	17.0	X	65.99210	328.22709	15.99631	6.81350	0.1001914	0.27129015	2.3632701	21	—	—
287138 2002 RH_{203}	15.2	X	155.15831	147.35534	333.63772	9.80508	0.0410571	0.19701626	2.9250592	21	6 29.8	19.5
287139 2002 RJ_{207}	17.0	X	188.63962	76.25283	330.80559	5.65877	0.0344944	0.29643330	2.2276727	21	4 23.2	19.9
287140 2002 RZ_{207}	17.0	X	2.84365	313.35570	2.02245	5.52357	0.1276834	0.25852605	2.4404309	21	9 2.5	19.4
287141 2002 RS_{208}	17.2	X	260.24108	114.04201	187.68070	1.23191	0.0550202	0.23970478	2.5665610	21	3 9.5	20.6
287142 2002 RY_{213}	17.0	X	211.70550	319.33247	39.88800	5.04578	0.1971566	0.24155891	2.5534107	21	3 26.4	21.3
287143 2002 RS_{214}	16.6	X	216.56559	311.28489	17.35775	13.06819	0.1897698	0.23895793	2.5719059	21	2 25.7	21.0
287144 2002 RL_{220}	16.6	X	159.32209	175.76933	135.49483	6.88865	0.0968001	0.22855451	2.6493715	21	—	—
287145 2002 RM_{220}	17.5	X	356.62208	287.81351	49.01906	3.43867	0.1924916	0.26049520	2.4281167	21	9 29.6	19.3
287146 2002 RA_{226}	16.9	X	217.57357	71.70283	279.14289	3.27216	0.0852976	0.24069341	2.5595282	21	3 20.2	20.7
287147 2002 RK_{226}	17.2	X	180.75516	50.54181	334.29279	10.46474	0.1450003	0.24002041	2.5643104	21	3 24.6	21.4
287148 2002 RS_{226}	16.4	X	16.34029	250.19796	178.23132	8.98257	0.0799658	0.22230328	2.6988089	21	—	—
287149 2002 RM_{228}	16.6	X	120.80221	328.50903	38.06388	8.29733	0.1736813	0.22922089	2.6442342	21	1 7.6	20.2
287150 2002 RV_{228}	16.2	X	259.86374	218.88088	67.98701	7.01865	0.1589507	0.24085565	2.5583786	21	2 12.0	20.3
287151 2002 RN_{231}	16.9	X	173.66534	134.18126	190.44233	3.42520	0.0704599	0.23174518	2.6249976	21	1 1.5	20.7
287152 2002 RU_{231}	16.5	X	139.85691	107.31111	185.92130	5.75267	0.1150807	0.22325486	2.6911347	21	—	—
287153 2002 RF_{233}	16.1	X	213.63745	258.01810	336.99744	10.24382	0.1508642	0.22732826	2.6588904	21	—	—
287154 2002 RN_{233}	17.2	X	177.29056	125.35162	170.27387	3.96564	0.0911494	0.22941792	2.6427200	21	—	—
287155 2002 RB_{234}	16.9	X	155.14704	358.97207	341.91160	1.45906	0.1109990	0.23186026	2.6241289	21	1 5.8	20.7
287156 2002 RQ_{234}	16.0	X	111.53410	6.36659	343.21271	10.17939	0.0770146	0.17430841	3.1738799	21	—	—
287157 2002 RD_{235}	17.0	X	345.78061	227.23742	198.54205	6.35991	0.0243930	0.21764063	2.7372181	21	12 21.4	20.7
287158 2002 RN_{235}	16.0	X	239.68643	76.60821	319.97430	2.58117	0.0753225	0.19916487	2.9039840	21	6 17.1	20.1
287159 2002 RP_{235}	17.4	X	73.98052	8.47325	263.23811	0.69540	0.1551903	0.26457203	2.4031088	21	10 24.9	20.5
287160 2002 RD_{238}	16.4	X	301.25825	231.40246	124.84120	2.78679	0.0663508	0.20231233	2.8737864	21	7 15.5	19.9
287161 2002 RE_{240}	17.0	X	191.03586	270.20331	86.20984	2.60590	0.1629621	0.23912146	2.5707332	21	3 4.8	21.2
287162 2002 RL_{240}	16.1	X	226.68729	124.71425	149.47199	12.14728	0.2462482	0.18375160	3.0641872	21	1 2.6	21.6
287163 2002 RQ_{244}	16.8	X	197.06117	313.71689	334.23465	10.89245	0.1756472	0.23317367	2.6142656	21	—	—
287164 2002 RW_{246}	17.1	X	241.81707	265.92336	332.31398	6.76463	0.0740324	0.28406354	2.2918827	21	—	—
287165 2002 RF_{247}	17.5	X	49.45115	249.86919	122.24297	1.74984	0.2227863	0.27223181	2.3578172	21	—	—
287166 2002 RR_{248}	17.8	X	179.63937	261.89044	161.86441	4.57965	0.1287788	0.29758785	2.2219072	21	5 13.1	21.0
287167 2002 RJ_{251}	16.7	X	96.75844	61.13657	315.65670	2.33069	0.1168772	0.22797490	2.6538601	21	—	—
287168 2002 RR_{251}	16.3	X	65.08518	60.29678	315.42451	10.14352	0.2699840	0.22015780	2.7163141	21	—	—
287169 2002 RK_{253}	16.4	X	52.58170	45.05266	326.98090	5.54165	0.0411392	0.21990660	2.7183823	21	—	—
287170 2002 RV_{253}	16.7	X	53.07103	184.78788	283.66296	1.19689	0.0901606	0.23356431	2.6113498	21	1 27.6	19.5
287171 2002 RD_{254}	16.8	X	97.73195	95.90498	173.77735	15.30387	0.1777087	0.21551560	2.7551816	21	11 15.4	21.4
287172 2002 RM_{254}	16.4	X	43.86409	145.15317	339.11990	9.42431	0.0847030	0.18259619	3.0770997	21	2 15.8	20.2
287173 2002 RZ_{254}	17.4	X	295.94802	236.43340	197.79304	1.09816	0.1827541	0.26189716	2.4194437	21	10 15.1	19.4
287174 2002 RC_{259}	15.9	X	132.83044	131.98808	339.27095	4.70413	0.1674872	0.19120685	2.9840109	21	6 1.1	20.7
287175 2002 RR_{261}	16.4	X	194.11648	26.82812	234.69618	5.44827	0.1154346	0.22670889	2.6637309	21	—	—
287176 2002 RK_{263}	16.8	X	192.13501	348.34419	221.29872	5.73653	0.0025597	0.21653832	2.7464996	21	12 7.7	20.5
287177 2002 RW_{266}	16.1	X	178.47364	253.08952	332.07731	12.89279	0.0628599	0.21856646	2.7294828	21	12 4.2	20.3
287178 2002 RQ_{267}	15.5	X	99.80046	308.68806	119.94651	11.91861	0.0116863	0.18229284	3.0805125	21	2 14.1	19.9
287179 2002 RV_{267}	16.2	X	330.99361	211.79888	222.11236	8.79956	0.1392312	0.21525892	2.7573715	21	12 13.8	19.2
287180 2002 RF_{269}	17.4	X	179.04566	218.91339	341.90327	4.50611	0.0935309	0.26908452	2.3761667	21	11 10.2	20.9
287181 2002 RT_{270}	17.3	X	45.94600	169.31576	206.80901	1.58578	0.1446675	0.22022463	2.7157646	21	—	—
287182 2002 RY_{271}	16.1	X	200.48641	11.91985	332.61099	8.23695	0.1300065	0.18710468	3.0274684	21	3 2.3	21.0
287183 2002 RE_{272}	16.3	X	81.09970	22.67099	329.34950	4.87672	0.0781398	0.22293928	2.6936737	21	—	—
287184 2002 RW_{272}	16.3	X	88.55402	338.67342	334.70729	8.92646	0.0778819	0.21920980	2.7241399	21	12 16.9	20.4
287185 2002 RB_{273}	17.3	X	353.74775	275.06898	166.80733	5.31108	0.0966238	0.27413016	2.3469194	21	—	—
287186 2002 RW_{282}	16.7	X	146.05782	259.49886	350.63476	3.16217	0.0481381	0.21493361	2.7601530	21	11 29.9	20.8
287187 2002 RA_{291}	16.0	X	91.47446	211.41629	126.94077	12.78742	0.1931436	0.22258621	2.6965215	21	—	—
287188 2002 SE	15.6	X	354.92173	255.69385	14.92631	10.22018	0.0309308	0.19745889	2.9206864	21	6 9.7	19.6
287189 2002 SX_{3}	17.8	X	75.24480	22.83514	359.18747	2.83501	0.1842385	0.27483874	2.3428838	21	—	—
287190 2002 SL_{4}	17.5	X	358.53763	55.47355	309.31426	17.75909	0.0795885	0.36754646	1.9301655	21	11 21.9	19.7
287191 2002 SD_{5}	16.5	X	40.25867	173.56208	181.68144	8.52637	0.2426645	0.21484936	2.7608746	21	—	—
287192 2002 SP_{11}	15.8	X	195.88039	241.35534	22.94639	14.70004	0.1507086	0.22527310	2.6750372	21	—	—
287193 2002 SF_{15}	15.3	X	124.81961	143.15824	226.18161	21.98620	0.2426805	0.17640813	3.1486446	21	1 25.6	20.6
287194 2002 SA_{17}	16.9	X	174.64671	168.15983	188.58367	3.92732	0.1628540	0.23411433	2.6072582	21	2 16.7	21.0
287195 2002 SW_{19}	16.0	X	91.73433	288.09260	16.91835	30.72411	0.3833158	0.22057550	2.7128838	21	—	—
287196 2002 SE_{22}	16.0	X	175.59756	258.14022	90.12410	1.79615	0.2433622	0.18177141	3.0864008	21	2 19.1	21.3
287197 2002 SK_{23}	16.4	X	134.64955	354.76956	36.36175	5.90289	0.1099201	0.23223283	2.6213216	21	2 16.3	20.1
287198 2002 SM_{23}	17.5	X	48.77669	311.59833	40.29360	2.94907	0.2285245	0.26826669	2.3809935	21	—	—
287199 2002 SR_{23}	17.4	X	296.35475	222.91092	162.76642	3.58515	0.2042582	0.25466372	2.4650439	21	7 28.3	20.0
287200 2002 SF_{24}	17.2	X	89.39455	153.14032	233.56256	0.48289	0.2183650	0.22500318	2.6771761	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287201 2002 SW_{27}	15.6	X	172.75187	123.36795	181.02851	15.97330	0.2203147	0.17605335	3.1528733	21	—	—
287202 2002 SY_{31}	16.4	X	23.49948	330.65715	74.15247	5.07353	0.2853689	0.21625431	2.7489037	21	—	—
287203 2002 SW_{32}	15.9	X	13.52655	30.30670	349.00328	7.52690	0.2307139	0.21268663	2.7795592	21	12 26.4	19.2
287204 2002 SW_{34}	16.2	X	151.13232	324.38457	32.23158	10.21481	0.1092105	0.23143090	2.6273736	21	1 23.5	20.1
287205 2002 SP_{43}	16.8	X	132.84680	274.51836	46.43763	6.97232	0.1742829	0.27657348	2.3330768	21	—	—
287206 2002 SK_{44}	16.8	X	341.83256	18.21554	43.08679	5.73692	0.1971764	0.26452733	2.4033795	21	—	—
287207 2002 ST_{44}	14.8	X	133.75764	4.79566	358.00278	2.48619	0.2312142	0.12257579	4.0135892	21	2 8.7	21.0
287208 2002 SQ_{53}	17.0	X	248.57818	23.23365	299.80799	10.06410	0.1858185	0.29364006	2.2417775	21	3 3.0	20.7
287209 2002 SQ_{54}	15.6	X	151.81505	52.38042	329.17925	10.28000	0.1918206	0.18286659	3.0740657	21	3 4.8	20.7
287210 2002 SK_{65}	16.7	X	196.41293	133.00437	141.57378	13.35544	0.2506611	0.23103045	2.6304087	21	—	—
287211 2002 SY_{65}	16.5	X	182.49568	323.89686	108.58473	4.97029	0.1972881	0.24593765	2.5230123	21	5 30.3	20.7
287212 2002 SS_{67}	17.2	X	2.51016	225.31896	141.65460	1.06415	0.1383864	0.21084989	2.7956779	21	11 7.9	20.3
287213 2002 SN_{68}	16.9	X	55.31395	102.98174	274.73272	0.50608	0.0956615	0.21979140	2.7193322	21	—	—
287214 2002 SL_{70}	16.6	X	303.60217	56.51011	14.88053	4.37484	0.0434665	0.21094619	2.7948270	21	10 29.8	20.3
287215 2002 SU_{70}	17.2	X	19.01675	10.56457	346.74514	3.52464	0.1126347	0.21433480	2.7652915	21	11 17.5	20.6
287216 2002 SW_{70}	16.1	X	132.44576	191.71318	162.59157	10.56871	0.1161538	0.17792930	3.1306732	21	1 7.3	20.8
287217 2002 SO_{71}	17.0	X	88.32777	355.22753	6.84502	9.04140	0.0324556	0.27487386	2.3426842	21	—	—
287218 2002 SB_{72}	16.9	X	327.71529	12.01895	171.17450	2.53167	0.0574488	0.23143477	2.6273443	21	1 2.2	20.4
287219 2002 SX_{72}	17.4	X	267.67030	327.28758	81.67714	3.23204	0.2026958	0.25485940	2.4637820	21	7 21.1	20.7
287220 2002 SY_{73}	15.4	X	236.38267	85.53762	124.65803	12.11115	0.0314866	0.17287379	3.1914150	21	—	—
287221 2002 TD_{4}	16.9	X	319.61770	208.53071	153.07107	3.55163	0.1921588	0.25522708	2.4614152	21	8 7.8	19.0
287222 2002 TM_{4}	16.3	X	36.26522	213.75402	186.96204	9.54780	0.2091358	0.21748771	2.7385010	21	—	—
287223 2002 TA_{11}	16.6	X	36.25993	87.12518	301.31644	10.84257	0.1820810	0.21884567	2.7271608	21	—	—
287224 2002 TN_{11}	16.5	X	125.97834	263.39768	103.69302	2.99063	0.1150357	0.22919670	2.6444202	21	1 5.3	20.1
287225 2002 TG_{12}	17.4	X	315.99434	245.15582	101.16481	2.68197	0.1931899	0.25412005	2.4685585	21	7 6.8	19.6
287226 2002 TM_{13}	16.6	X	48.46242	209.75178	167.37557	3.74039	0.2042829	0.21701247	2.7424976	21	—	—
287227 2002 TD_{16}	17.8	X	358.16499	92.44343	296.64957	0.45859	0.1994202	0.26483270	2.4015316	21	12 23.4	19.8
287228 2002 TJ_{16}	17.0	X	168.91366	215.65559	180.99230	11.67640	0.1875806	0.23769489	2.5810088	21	4 4.1	21.2
287229 2002 TE_{19}	17.6	X	304.01122	60.68755	330.81313	1.80961	0.2060288	0.25640860	2.4538480	21	8 21.1	20.0
287230 2002 TA_{21}	16.3	X	104.07760	292.76870	38.69527	6.54255	0.2532159	0.22150913	2.7052555	21	—	—
287231 2002 TT_{23}	16.7	X	119.18918	240.81641	183.23426	4.29117	0.2380888	0.23218320	2.6216952	21	3 26.1	20.6
287232 2002 TG_{24}	16.5	X	325.68335	305.00132	15.19163	11.68953	0.1922018	0.25204328	2.4821002	21	6 13.6	19.3
287233 2002 TJ_{30}	16.2	X	8.11558	157.23815	219.97081	3.55584	0.2109467	0.21077199	2.7963667	21	12 10.6	19.3
287234 2002 TR_{35}	16.3	X	91.18829	164.41903	187.73825	3.04158	0.1414158	0.22055248	2.7130726	21	—	—
287235 2002 TA_{36}	16.9	X	145.94130	18.73824	3.92019	1.83933	0.2271667	0.23178950	2.6246630	21	2 28.5	20.9
287236 2002 TB_{36}	16.4	X	355.11222	5.71157	14.12736	6.88948	0.1389866	0.20914445	2.8108553	21	11 9.9	19.6
287237 2002 TN_{42}	15.7	X	357.54449	27.66002	47.72398	10.94808	0.2902447	0.21360902	2.7715518	21	—	—
287238 2002 TJ_{44}	17.7	X	106.08860	320.62176	79.66445	2.43116	0.2419040	0.28154624	2.3055236	21	1 30.5	20.0
287239 2002 TP_{49}	16.1	X	332.41626	216.94014	205.92641	8.61799	0.1520539	0.20907381	2.8114884	21	11 30.5	19.2
287240 2002 TV_{51}	16.0	X	62.81520	317.13249	37.23049	19.95250	0.2805544	0.21546620	2.7556028	21	—	—
287241 2002 TA_{56}	17.8	X	134.67549	163.90987	253.01502	2.21483	0.1607274	0.28698072	2.2763248	21	3 16.6	20.9
287242 2002 TJ_{56}	16.8	X	23.16850	345.11974	13.26615	3.29225	0.2269640	0.21164256	2.7886930	21	12 12.3	20.1
287243 2002 TM_{63}	16.4	X	28.91018	184.12480	229.07874	4.52335	0.0660678	0.21920403	2.7241877	21	—	—
287244 2002 TN_{63}	16.2	X	97.61256	245.98861	206.24883	13.75665	0.1502404	0.23316708	2.6143149	21	3 21.2	19.6
287245 2002 TQ_{63}	17.1	X	267.93830	243.94413	214.08556	4.31645	0.1448497	0.25801919	2.4436258	21	10 6.6	19.9
287246 2002 TR_{63}	17.7	X	61.95565	226.99415	206.04212	4.58717	0.1864422	0.27721184	2.3294937	21	—	—
287247 2002 TJ_{67}	16.2	X	350.38719	68.69015	355.84971	7.32633	0.3070489	0.21175421	2.7877127	21	—	—
287248 2002 TW_{69}	16.3	X	33.00145	206.19515	168.40530	6.90827	0.1583323	0.21479961	2.7613008	21	—	—
287249 2002 TJ_{90}	15.6	X	176.78139	22.47192	352.25075	8.42117	0.1113376	0.18276351	3.0752214	21	3 16.2	20.5
287250 2002 TX_{95}	16.3	X	20.06558	39.91622	336.96443	8.86338	0.1835910	0.21340080	2.7733543	21	12 26.4	19.8
287251 2002 TO_{96}	16.9	X	243.79713	262.62743	18.18054	7.06412	0.1023157	0.28489144	2.2874404	21	1 14.6	20.3
287252 2002 TC_{100}	16.2	X	94.81647	37.59874	302.21217	10.62582	0.0693729	0.22245050	2.6976180	21	—	—
287253 2002 TS_{101}	16.8	X	176.59656	63.66266	345.20421	6.88989	0.0637757	0.29345347	2.2427277	21	4 12.1	19.8
287254 2002 TT_{101}	17.5	X	227.45165	71.51259	269.63846	2.55462	0.2026574	0.29313232	2.2443655	21	3 9.6	21.1
287255 2002 TH_{103}	15.6	X	152.08033	232.41290	218.58959	9.63503	0.1478700	0.18876108	3.0097314	21	5 25.8	20.5
287256 2002 TM_{114}	16.0	X	14.39825	101.04675	252.11126	7.69121	0.1762285	0.21055101	2.7983229	21	11 12.9	19.1
287257 2002 TW_{120}	17.6	X	69.63255	311.57591	8.05979	20.59440	0.0720618	0.37031381	1.9205374	21	—	—
287258 2002 TN_{123}	16.0	X	334.08116	143.30843	283.86793	6.87373	0.2099475	0.21264387	2.7799318	21	12 11.9	18.6
287259 2002 TC_{127}	16.0	X	88.10556	223.48655	229.96620	10.56422	0.1524220	0.23318255	2.6141993	21	3 7.4	19.3
287260 2002 TF_{129}	15.9	X	181.12885	78.39580	333.73373	10.84919	0.1268516	0.18926395	3.0043979	21	4 29.8	20.9
287261 2002 TB_{130}	15.7	X	19.96252	66.64907	339.14240	11.43950	0.1423908	0.21687880	2.7436244	21	—	—
287262 2002 TM_{139}	15.6	X	284.80977	164.08874	271.45651	6.94792	0.2367679	0.20275164	2.8696337	21	9 6.1	19.4
287263 2002 TA_{145}	16.3	X	57.25897	98.35735	226.84501	12.07129	0.1091335	0.21551145	2.7552171	21	11 29.2	20.1
287264 2002 TB_{145}	15.2	X	197.46756	345.11026	315.19760	17.03084	0.1414026	0.18016900	3.1046740	21	1 12.2	20.3
287265 2002 TA_{146}	16.7	X	332.44665	152.90590	229.15522	2.97436	0.1773166	0.25988340	2.4319260	21	10 12.4	18.7
287266 2002 TF_{148}	15.6	X	20.76407	169.38281	244.57222	9.11025	0.2312253	0.21947840	2.7219168	21	—	—
287267 2002 TR_{148}	16.7	X	40.53674	150.51958	212.23424	13.21246	0.2622298	0.21700886	2.7425280	21	—	—
287268 2002 TY_{151}	17.4	X	220.84137	109.76700	357.40266	8.17164	0.0801625	0.25452147	2.4659623	21	8 30.0	20.8
287269 2002 TW_{155}	15.1	X	200.53446	52.46383	200.86070	15.36081	0.1672813	0.17140191	3.2096593	21	—	—
287270 2002 TU_{156}	16.4	X	186.40780	149.55962	205.57375	14.15997	0.1483120	0.23694268	2.5864685	21	2 21.5	20.8
287271 2002 TY_{156}	15.5	X	304.23460	330.17119	313.46156	8.84248	0.0602943	0.19218521	2.9738753	21	4 11.2	19.8
287272 2002 TE_{159}	15.5	X	101.96033	256.81813	159.57465	20.74547	0.1942555	0.17632198	3.1496702	21	2 26.6	19.8
287273 2002 TO_{161}	16.5	X	116.38493	264.24312	74.34571	13.51490	0.2841914	0.22346886	2.6894164	21	—	—
287274 2002 TN_{163}	15.5	X	106.27790	304.30868	62.30859	27.11159	0.1946402	0.17161620	3.2069869	21	1 2.7	20.3
287275 2002 TY_{166}	16.3	X	207.58242	0.30781	293.64795	12.99717	0.0582130	0.23085744	2.6317228	21	1 1.7	20.1
287276 2002 TG_{167}	16.0	X	26.24006	76.98535	291.06571	11.13992	0.1634977	0.21423546	2.7661463	21	12 20.8	19.6
287277 2002 TV_{167}	15.4	X	145.43481	81.05077	299.95850	10.80068	0.1244971	0.18079261	3.0975305	21	2 19.2	20.2
287278 2002 TZ_{168}	16.1	X	71.13997	11.30803	295.87303	11.94068	0.1910118	0.21439766	2.7647510	21	12 1.9	20.5
287279 2002 TT_{169}	16.8	X	318.06689	95.36209	310.19422	8.34451	0.2219675	0.25974749	2.4327742	21	10 8.0	18.8
287280 2002 TY_{171}	15.5	X	77.85916	345.74425	305.63394	12.93246	0.1812440	0.21416004	2.7667957	21	11 16.1	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287281 2002 TC_{173}	16.4	X	354.76991	258.46848	145.65404	8.31864	0.2300561	0.21275363	2.7789756	21	12 25.8	19.2
287282 2002 TZ_{175}	16.9	X	78.03895	69.51470	261.23674	9.00466	0.2326801	0.26968266	2.3726519	21	—	—
287283 2002 TH_{177}	15.5	X	92.90490	245.19031	116.07416	16.79446	0.1632143	0.22002870	2.7173766	21	—	—
287284 2002 TM_{181}	15.0	X	143.26560	32.34303	315.95133	1.82858	0.2196383	0.12386145	3.9857673	21	1 30.1	21.2
287285 2002 TE_{184}	15.5	X	7.41136	221.72449	222.22741	8.81270	0.2636571	0.21865794	2.7287215	21	—	—
287286 2002 TQ_{186}	17.1	X	219.25008	83.98444	241.10014	4.81095	0.1939922	0.29028663	2.2590094	21	2 10.4	20.8
287287 2002 TK_{192}	16.2	X	38.00770	10.04930	351.69442	15.04554	0.1943215	0.21305484	2.7763557	21	—	—
287288 2002 TQ_{193}	16.9	X	2.94499	32.63120	40.09604	5.11700	0.1590556	0.26957134	2.3733051	21	—	—
287289 2002 TJ_{194}	16.4	X	78.43703	123.85588	187.80503	9.09455	0.2290671	0.21564293	2.7540970	21	12 19.1	20.9
287290 2002 TT_{194}	16.6	X	9.26898	8.83107	352.86703	2.98811	0.1099620	0.21097487	2.7945737	21	11 7.4	19.9
287291 2002 TP_{196}	16.2	X	84.91749	219.13680	179.70248	11.22972	0.1802088	0.22710259	2.6606515	21	—	—
287292 2002 TB_{197}	15.4	X	136.16045	321.23668	42.72688	4.27640	0.2625848	0.12352499	3.9930016	21	2 15.4	21.8
287293 2002 TW_{197}	16.0	X	34.97190	218.68226	206.88132	12.43394	0.1408335	0.22050138	2.7134918	21	—	—
287294 2002 TH_{200}	16.4	X	82.01215	281.08306	136.51569	1.69267	0.1716089	0.17513127	3.1639304	21	1 30.3	20.4
287295 2002 TC_{204}	16.9	X	198.02328	263.34906	134.41534	7.93561	0.2016643	0.24128379	2.5553513	21	5 2.6	21.3
287296 2002 TE_{204}	17.1	X	78.72885	230.20281	150.54976	6.70833	0.1961390	0.27450515	2.3447815	21	—	—
287297 2002 TL_{204}	16.2	X	18.73769	238.81015	156.70249	8.63279	0.1621570	0.21539922	2.7561740	21	—	—
287298 2002 TH_{205}	17.5	X	161.78208	288.52822	130.36447	5.65617	0.1936253	0.29084294	2.2561278	21	4 23.6	21.0
287299 2002 TZ_{205}	16.9	X	350.43767	194.97827	216.49397	8.87324	0.2293687	0.26392582	2.4070298	21	—	—
287300 2002 TD_{208}	16.1	X	175.70789	304.79547	22.08046	11.42594	0.2799283	0.23024403	2.6363949	21	1 25.2	20.9
287301 2002 TK_{209}	16.1	X	31.42318	267.85492	64.60091	12.03571	0.2510552	0.21140003	2.7908256	21	11 25.1	19.4
287302 2002 TX_{214}	17.5	X	104.54493	291.79715	72.12828	6.76426	0.2559295	0.27676876	2.3319792	21	—	—
287303 2002 TM_{215}	15.9	X	49.64978	306.81767	63.05314	15.63360	0.2392930	0.21531132	2.7569241	21	—	—
287304 2002 TL_{217}	18.0	X	263.06644	356.45806	17.10394	2.67791	0.1501574	0.30079798	2.2060708	21	6 1.3	20.9
287305 2002 TF_{218}	16.4	X	114.17302	106.65965	254.60475	5.94314	0.2011033	0.22679272	2.6630745	21	—	—
287306 2002 TF_{229}	17.0	X	10.18163	242.23502	156.73963	3.11749	0.1875601	0.26599009	2.3945601	21	—	—
287307 2002 TT_{231}	15.5	X	38.56877	40.07860	62.37031	22.72702	0.0314256	0.22837991	2.6507216	21	—	—
287308 2002 TA_{233}	16.0	X	344.47929	149.41770	257.46475	12.48764	0.1881169	0.21098604	2.7944751	21	12 3.3	18.6
287309 2002 TJ_{239}	16.1	X	31.63704	136.41721	264.32356	8.09930	0.1257331	0.21844172	2.7305219	21	—	—
287310 2002 TJ_{244}	16.0	X	165.09715	128.42042	207.61081	14.82343	0.1141352	0.17625863	3.1504249	21	1 16.9	21.1
287311 2002 TM_{250}	16.9	X	349.18489	204.07888	201.81174	6.98304	0.0935905	0.26373315	2.4082019	21	12 17.2	19.6
287312 2002 TU_{250}	16.9	X	26.03863	108.57530	276.93019	0.76124	0.3195010	0.21366587	2.7710601	21	—	—
287313 2002 TB_{252}	17.0	X	310.88603	316.12363	36.52043	6.97067	0.1486347	0.25349029	2.4726454	21	7 16.0	19.7
287314 2002 TW_{253}	17.0	X	184.60892	143.92214	305.58842	3.18713	0.1784787	0.24549711	2.5260298	21	6 22.1	21.1
287315 2002 TP_{257}	17.3	X	74.93267	308.69727	59.28509	3.30364	0.2348959	0.27206688	2.3587700	21	—	—
287316 2002 TZ_{257}	15.7	X	120.85888	33.19970	20.71399	9.44628	0.2386431	0.17823073	3.1271424	21	3 22.9	20.6
287317 2002 TM_{261}	15.5	X	32.27972	0.52540	73.31036	11.66073	0.3378574	0.21648102	2.7469843	21	—	—
287318 2002 TZ_{262}	16.4	X	20.71868	5.48919	350.12215	4.03697	0.1286759	0.21016278	2.8017681	21	11 19.0	19.9
287319 2002 TL_{263}	15.0	X	179.17220	98.05435	247.71613	21.28855	0.0627549	0.18076901	3.0978002	21	2 1.9	20.1
287320 2002 TN_{263}	15.9	X	141.58773	323.85113	62.27867	14.93023	0.0653586	0.23253910	2.6190194	21	2 16.2	19.9
287321 2002 TZ_{267}	16.7	X	185.12134	333.07376	347.82825	5.97892	0.1502160	0.28326171	2.2962058	21	1 7.4	20.1
287322 2002 TG_{268}	17.3	X	207.43052	46.57131	1.16227	9.86268	0.2403834	0.24311778	2.5424840	21	5 15.9	21.9
287323 2002 TZ_{268}	16.7	X	64.71519	63.74117	354.85483	12.34624	0.2604631	0.22384953	2.6863665	21	—	—
287324 2002 TC_{288}	15.8	X	31.98237	142.02153	242.36049	6.62975	0.2836634	0.21377238	2.7701396	21	—	—
287325 2002 TJ_{297}	17.4	X	313.83037	59.31504	330.52357	0.63956	0.1884603	0.25604534	2.4561683	21	9 10.8	19.6
287326 2002 TK_{298}	16.3	X	32.53075	7.97020	23.02816	13.66867	0.1668948	0.21506531	2.7590261	21	—	—
287327 2002 TJ_{304}	15.5	X	123.42611	325.55351	165.57327	10.69693	0.0449092	0.19183457	2.9774980	21	6 5.2	19.9
287328 2002 TK_{306}	16.0	X	253.68998	337.74109	58.61000	9.00476	0.0376321	0.19731158	2.9221398	21	7 9.7	20.2
287329 2002 TX_{308}	15.8	X	179.28255	178.82501	123.42293	7.13420	0.0237221	0.17286509	3.1915221	21	—	—
287330 2002 TY_{312}	16.5	X	205.25748	261.30731	61.08901	13.39788	0.1869851	0.23380468	2.6095598	21	2 9.0	21.1
287331 2002 TV_{314}	16.8	X	325.37126	111.08610	168.98192	15.07514	0.1194522	0.24368021	2.5385704	21	5 1.3	20.0
287332 2002 TZ_{314}	16.3	X	317.82082	131.36959	81.13039	14.01796	0.0798925	0.23071047	2.6328403	21	1 25.9	20.0
287333 2002 TG_{315}	16.2	X	211.86863	212.88455	79.94815	14.96642	0.0420700	0.22758818	2.6568656	21	1 4.5	20.1
287334 2002 TF_{316}	15.6	X	2.90916	171.88032	145.63550	13.80722	0.1353117	0.20144497	2.8820296	21	8 30.6	18.8
287335 2002 TV_{316}	16.3	X	357.17982	278.67683	144.47458	11.93326	0.3299478	0.21192916	2.7861783	21	—	—
287336 2002 TP_{329}	17.9	X	264.59056	70.17803	20.19336	9.86210	0.1359291	0.25833197	2.4416530	21	9 25.6	20.8
287337 2002 TM_{332}	16.6	X	246.17743	94.66572	34.29052	7.91867	0.0709506	0.20999055	2.8032998	21	10 24.1	20.3
287338 2002 TN_{332}	18.1	X	235.83526	51.94719	47.64849	3.58909	0.1366236	0.25493957	2.4632655	21	8 31.0	21.6
287339 2002 TU_{334}	15.3	X	271.21225	264.85682	23.84095	19.71532	0.0128572	0.18563522	3.0434240	21	3 25.1	19.7
287340 2002 TU_{343}	16.6	X	92.40413	260.28699	75.64167	7.03664	0.0066071	0.21762401	2.7373575	21	—	—
287341 2002 TU_{348}	16.5	X	127.52279	197.86395	106.75017	10.56568	0.1668806	0.21931018	2.7233086	21	—	—
287342 2002 TN_{350}	15.8	X	259.01331	340.70561	234.81600	9.40737	0.1019375	0.17804232	3.1293482	21	—	—
287343 2002 TK_{353}	16.8	X	78.31200	105.01957	205.55682	8.19673	0.1801212	0.21710000	2.7417604	21	12 13.3	21.0
287344 2002 TE_{354}	16.8	X	322.68975	203.03315	291.96441	3.08050	0.1668177	0.22297132	2.6934156	21	—	—
287345 2002 TN_{363}	16.8	X	349.68422	245.96457	114.67878	3.14696	0.0921451	0.20713210	2.8290314	21	10 6.1	20.1
287346 2002 TX_{371}	15.8	X	350.31276	90.73354	99.34128	17.18705	0.1245130	0.17658077	3.1465921	21	2 19.8	19.9
287347 Mézes	16.3	X	357.94061	320.39181	88.66019	7.19697	0.0524815	0.21234207	2.7825652	21	12 17.7	19.8
287348 2002 TE_{384}	18.0	X	226.70233	168.69047	141.55455	3.20764	0.1821377	0.28743943	2.2739024	21	1 31.7	21.6
287349 2002 TP_{384}	16.6	X	128.04323	64.28137	225.13278	6.71721	0.1111099	0.26905752	2.3763256	21	—	—
287350 2002 TA_{387}	16.3	X	42.21894	167.34202	188.16023	12.97864	0.1173700	0.21238484	2.7821917	21	12 18.6	20.3
287351 2002 US_{1}	16.3	X	40.57210	151.48501	267.15791	3.05264	0.1089433	0.21933163	2.7231310	21	—	—
287352 2002 UG_{3}	16.0	X	8.85279	255.49342	141.24323	11.83535	0.3059470	0.21191601	2.7862936	21	—	—
287353 2002 UL_{7}	16.3	X	145.87917	195.80394	157.95715	9.59277	0.2003393	0.22829005	2.6514172	21	1 21.1	20.4
287354 2002 UT_{10}	17.3	X	349.24139	284.80386	47.81383	2.94628	0.2199929	0.25598735	2.4565393	21	9 4.3	18.8
287355 2002 UU_{12}	15.9	X	119.10717	275.39856	113.10189	5.59375	0.1961159	0.17690423	3.1427553	21	2 13.8	20.6
287356 2002 UB_{13}	15.9	X	61.74698	156.21260	212.18514	8.57021	0.2228853	0.21924285	2.7238661	21	—	—
287357 2002 UR_{18}	17.5	X	82.00525	225.68936	139.39138	2.79063	0.2375397	0.27311844	2.3527116	21	—	—
287358 2002 UA_{27}	16.0	X	41.49964	14.96853	23.73111	8.15653	0.0553415	0.21713922	2.7414302	21	—	—
287359 2002 UB_{29}	16.0	X	101.48654	243.48884	118.64630	8.33397	0.0684862	0.22164453	2.7041537	21	—	—
287360 2002 UO_{41}	16.2	X	2.45729	265.39323	117.54273	4.31357	0.1008049	0.20855088	2.8161862	21	11 25.3	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287361 2002 UY_{48}	16.1	X	12.47144	33.69402	348.08598	7.51775	0.2401967	0.20934644	2.8090470	21	12 28.7	19.4
287362 2002 UY_{51}	16.0	X	177.96494	117.74065	207.28293	15.87968	0.0898459	0.18140109	3.0905999	21	1 14.3	21.1
287363 2002 UF_{53}	17.4	X	214.07484	139.50231	143.03134	6.34987	0.1827723	0.28275235	2.2989625	21	—	—
287364 2002 UY_{57}	16.7	X	121.60114	233.01580	72.54158	9.68206	0.1456699	0.27141295	2.3625572	21	—	—
287365 2002 UA_{62}	16.4	X	316.74997	247.57330	214.34699	8.91009	0.1122878	0.21826896	2.7319624	21	12 26.8	19.6
287366 2002 UX_{63}	17.0	X	254.79475	283.12887	349.14177	1.49916	0.0585721	0.23470099	2.6029117	21	1 25.9	20.8
287367 2002 UP_{65}	17.0	X	66.31670	204.82413	84.32213	2.91106	0.0692228	0.20916709	2.8106524	21	10 20.3	20.9
287368 2002 UB_{66}	16.9	X	57.08054	162.96420	102.43722	3.17634	0.0291381	0.20308535	2.8664893	21	8 31.9	20.8
287369 2002 UN_{72}	17.7	X	208.00302	144.58795	242.62731	2.15083	0.2462494	0.24105564	2.5569634	21	4 23.7	22.2
287370 2002 UQ_{72}	16.6	X	170.58203	329.37513	36.58059	10.07710	0.0930183	0.23192910	2.6236096	21	2 25.3	20.6
287371 2002 UC_{73}	16.4	X	2.88695	282.12865	95.56546	5.56704	0.1184125	0.20915226	2.8107853	21	11 21.2	19.8
287372 2002 UE_{77}	16.6	X	347.94623	205.34099	202.16137	3.36748	0.0965437	0.21011781	2.8021678	21	12 4.2	19.8
287373 2002 UG_{77}	16.8	X	273.38714	134.71816	56.96063	7.17926	0.0497833	0.27286405	2.3541737	21	—	—
287374 2002 VR	17.0	X	135.52636	33.78261	104.24013	0.21979	0.2144106	0.18848501	3.0126696	21	7 11.0	22.0
287375 2002 VL_{4}	17.5	X	212.23980	317.02565	35.08176	2.64300	0.1957506	0.23700576	2.5860095	21	3 17.9	21.7
287376 2002 VD_{6}	16.4	X	116.19741	290.34658	58.45407	13.39368	0.2595836	0.27750263	2.3278660	21	—	—
287377 2002 VW_{12}	16.3	X	72.92765	328.81214	26.93800	4.86601	0.1306260	0.21612315	2.7500158	21	—	—
287378 2002 VQ_{13}	17.1	X	76.14958	346.34517	64.48617	23.73453	0.0981590	0.37965316	1.8889105	21	—	—
287379 2002 VS_{13}	17.7	X	195.06084	50.07674	0.26676	4.17322	0.1629660	0.29326021	2.2437129	21	5 8.8	21.1
287380 2002 VT_{14}	16.3	X	168.84309	65.93947	246.50538	4.28176	0.0377746	0.22282790	2.6945712	21	—	—
287381 2002 VG_{16}	18.0	X	307.13351	11.14682	42.13263	5.63473	0.1511043	0.31026313	2.1609727	21	10 21.1	19.5
287382 2002 VJ_{16}	17.2	X	294.27534	87.62790	254.12235	6.29860	0.2345723	0.30160725	2.2021228	21	5 13.9	19.9
287383 2002 VW_{20}	16.7	X	50.20410	278.34060	90.59569	12.13228	0.2881399	0.26791326	2.3830870	21	—	—
287384 2002 VE_{21}	16.6	X	23.26931	54.81015	309.14018	5.59734	0.1422183	0.26386008	2.4074296	21	12 19.4	19.5
287385 2002 VW_{21}	14.7	X	150.17344	8.09369	343.96398	7.64065	0.2854330	0.12321729	3.9996465	21	2 13.7	21.3
287386 2002 VK_{35}	15.8	X	147.01753	204.65540	226.01635	8.71682	0.1513107	0.18262337	3.0767945	21	4 25.6	20.7
287387 2002 VS_{40}	16.0	X	358.47025	166.18005	269.73924	6.66951	0.0650845	0.21463436	2.7627180	21	—	—
287388 2002 VY_{43}	15.3	X	31.42096	87.75123	297.83567	11.50416	0.1898671	0.21297712	2.7770311	21	—	—
287389 2002 VX_{53}	18.1	X	329.77182	78.38216	299.08611	0.90349	0.1638156	0.30974236	2.1633941	21	10 10.4	19.4
287390 2002 VV_{62}	15.8	X	243.14159	129.54337	262.14279	6.41284	0.1674923	0.19292317	2.9662867	21	6 5.4	20.3
287391 2002 VT_{64}	15.2	X	107.44369	63.54627	336.62400	14.66951	0.2188779	0.17520155	3.1630842	21	2 18.3	19.7
287392 2002 VU_{70}	15.9	X	7.45888	333.12818	92.82768	5.55891	0.1060903	0.21526253	2.7573406	21	—	—
287393 2002 VE_{72}	16.0	X	169.89189	31.38303	67.49383	11.41267	0.2037225	0.18837002	3.0138956	21	6 21.3	21.2
287394 2002 VH_{73}	15.2	X	60.47602	253.66224	220.71980	12.35244	0.1661393	0.17423742	3.1747419	21	3 4.9	19.3
287395 2002 VA_{77}	17.1	X	202.18357	330.20164	82.83828	5.91717	0.1224374	0.29408844	2.2394984	21	5 22.1	20.3
287396 2002 VU_{85}	16.9	X	231.61884	40.14104	280.47395	4.53317	0.2862934	0.28962189	2.2624646	21	2 14.5	21.1
287397 2002 VA_{91}	16.3	X	9.60619	108.96354	218.99235	9.78686	0.1252601	0.20359526	2.8617011	21	9 21.6	19.8
287398 2002 VO_{92}	16.3	X	31.82819	146.05779	213.40545	7.16819	0.2307824	0.21124836	2.7921612	21	12 26.1	20.0
287399 2002 VM_{93}	17.2	X	163.40669	121.97498	268.51432	4.61235	0.1682172	0.28519255	2.2858300	21	3 12.7	20.7
287400 2002 VG_{95}	17.4	X	125.71396	17.09259	336.49576	1.99242	0.3512522	0.27789466	2.3256762	21	1 11.2	20.4
287401 2002 VA_{98}	17.0	X	23.69080	305.86223	63.34039	6.27724	0.1593828	0.26303589	2.4124559	21	12 29.6	19.9
287402 2002 VS_{103}	15.8	X	199.99191	122.53876	268.74887	3.88474	0.2095584	0.18658518	3.0330852	21	4 25.0	21.1
287403 2002 VN_{106}	15.8	X	73.66386	91.49791	251.80873	4.94544	0.0721363	0.21475678	2.7616679	21	—	—
287404 2002 VB_{110}	16.9	X	301.41948	53.20991	328.24619	2.47332	0.2285150	0.25166052	2.4846162	21	7 27.5	19.3
287405 2002 VX_{110}	16.2	X	82.87745	75.55633	308.58926	8.10452	0.1036538	0.22263415	2.6961343	21	—	—
287406 2002 VT_{113}	16.6	X	204.10947	283.73299	65.28053	12.35758	0.2045010	0.23446762	2.6046386	21	3 13.6	21.2
287407 2002 VM_{115}	16.5	X	143.86410	170.53447	295.10745	6.22832	0.1535995	0.23875222	2.5733831	21	6 2.7	20.5
287408 2002 VU_{116}	16.9	X	78.98795	239.06037	308.64769	6.22694	0.1127950	0.29458668	2.2369725	21	6 30.5	19.4
287409 2002 VE_{117}	16.3	X	286.62208	84.48683	330.84472	5.88265	0.0944107	0.25373338	2.4710658	21	9 11.8	19.3
287410 2002 VA_{122}	17.0	X	18.34591	93.24395	281.49883	11.05035	0.1960469	0.26353313	2.4094203	21	—	—
287411 2002 VE_{128}	16.0	X	25.92212	339.74547	57.22474	3.99671	0.1030684	0.21451345	2.7637560	21	—	—
287412 2002 VY_{132}	16.4	X	56.21412	197.68967	158.57083	3.39163	0.1951823	0.21546072	2.7556495	21	—	—
287413 2002 VG_{144}	16.3	X	129.03403	108.06535	219.94485	5.37330	0.0340983	0.21910675	2.7249940	21	—	—
287414 2002 VW_{145}	16.3	X	344.14744	158.78099	199.60591	6.80747	0.0900906	0.20190421	2.8776577	21	9 20.2	19.8
287415 2002 VB_{146}	16.8	X	298.41774	226.88697	76.22084	8.44390	0.2383751	0.24382731	2.5375493	21	4 5.8	20.4
287416 2002 WG_{2}	16.0	X	77.86119	247.84076	75.57312	5.93683	0.0689441	0.21030403	2.8005134	21	12 14.5	19.9
287417 2002 WX_{2}	16.2	X	90.52317	260.41972	79.48868	4.10897	0.2165731	0.21702367	2.7424033	21	—	—
287418 2002 WV_{9}	17.3	X	192.98657	334.18127	49.72544	4.00264	0.1634857	0.28907694	2.2653071	21	4 5.1	20.8
287419 2002 WF_{13}	17.1	X	165.11340	213.67314	75.25180	23.86336	0.0557438	0.37763348	1.8956394	21	—	—
287420 2002 WE_{20}	16.6	X	259.33890	231.90224	54.91356	5.91919	0.1030857	0.23134037	2.6280589	21	2 17.3	20.5
287421 2002 WN_{21}	15.4	X	163.56246	175.08520	252.13242	16.35841	0.0895103	0.18513374	3.0489174	21	5 2.3	20.2
287422 2002 WS_{21}	15.7	X	173.63157	318.68253	92.31600	10.75839	0.0848533	0.18238026	3.0795280	21	4 29.2	20.5
287423 2002 WZ_{21}	17.0	X	93.56137	269.19936	139.86428	3.26570	0.1742611	0.22444189	2.6816377	21	1 25.1	20.3
287424 2002 WH_{22}	16.5	X	330.65806	35.03082	78.72868	8.34904	0.0394766	0.21477838	2.7614828	21	—	—
287425 2002 WJ_{22}	17.4	X	106.67299	12.09514	108.09957	3.44142	0.1495459	0.23419852	2.6066334	21	5 12.6	21.0
287426 2002 WM_{23}	17.3	X	18.98429	282.94659	81.94572	6.94499	0.1256487	0.26106003	2.4246132	21	12 11.1	20.1
287427 2002 WP_{23}	16.2	X	130.49011	99.63765	232.27272	5.02962	0.0518596	0.21873640	2.7280690	21	—	—
287428 2002 WH_{24}	16.5	X	190.91521	349.47927	65.30299	5.23672	0.0475049	0.18618410	3.0374396	21	5 17.8	20.8
287429 2002 WL_{25}	16.2	X	92.62831	319.05069	38.68853	6.79246	0.0438236	0.21950684	2.7216818	21	—	—
287430 2002 WP_{27}	17.2	X	83.43785	189.02869	139.53051	4.62823	0.2660602	0.26837841	2.3803327	21	—	—
287431 2002 WH_{28}	16.0	X	303.61601	26.71504	108.92578	5.43808	0.0186504	0.21427891	2.7657724	21	—	—
287432 2002 WP_{28}	16.7	X	97.35499	251.60441	165.03816	4.17236	0.1863083	0.17308971	3.1887604	21	2 20.5	21.1
287433 2002 WQ_{28}	15.7	X	93.12447	246.22777	224.28318	15.20509	0.1960367	0.17831395	3.1261693	21	4 22.6	20.2
287434 2002 WZ_{28}	17.8	X	346.31336	285.22482	122.08858	2.10722	0.2247046	0.26190574	2.4193909	21	12 29.9	19.8
287435 2002 XM_{3}	16.8	X	194.91035	308.51734	160.79110	5.40899	0.1782466	0.24439328	2.5336301	21	7 25.9	20.8
287436 2002 XP_{3}	17.8	X	341.10775	293.93963	128.57609	2.91369	0.1898757	0.26158343	2.4213779	21	—	—
287437 2002 XA_{6}	16.2	X	145.92484	284.05985	163.80407	8.32205	0.2232285	0.18306502	3.0718438	21	5 22.6	21.4
287438 2002 XK_{11}	16.6	X	249.75832	126.71436	75.48094	6.49615	0.0717048	0.26888839	2.3773220	21	—	—
287439 2002 XL_{23}	16.2	X	198.77108	312.86586	38.92512	14.83337	0.2131343	0.23380770	2.6095373	21	3 13.3	20.8
287440 2002 XY_{24}	15.7	X	147.26468	334.66485	80.61479	17.22775	0.2213254	0.17801928	3.1296182	21	4 21.2	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287441 2002 XW_{33}	15.7	X	245.16054	173.02788	250.22493	10.80717	0.0326055	0.19398237	2.9554790	21	7 30.2	20.0
287442 2002 XU_{36}	15.4	X	233.68316	69.55636	270.67852	11.43103	0.1619415	0.18413150	3.0599710	21	3 21.3	20.6
287443 2002 XP_{38}	17.1	X	135.48440	69.64467	256.81541	19.84268	0.0229242	0.37720495	1.8970748	21	—	—
287444 2002 XM_{48}	16.2	X	202.68405	204.77086	205.55224	3.06744	0.2203069	0.18764967	3.0216037	21	5 21.1	21.4
287445 2002 XU_{57}	16.4	X	162.98379	161.59046	327.62917	6.02565	0.1820864	0.24322921	2.5417074	21	7 24.2	20.6
287446 2002 XD_{64}	16.1	X	267.51144	69.64529	49.13989	8.71023	0.1789075	0.20328075	2.8646521	21	10 23.2	19.8
287447 2002 XO_{64}	17.3	X	30.13759	176.36291	298.91072	4.94698	0.1932937	0.27343612	2.3508890	21	—	—
287448 2002 XX_{72}	17.2	X	10.19154	108.42337	306.12847	4.46412	0.1858939	0.26497515	2.4006708	21	—	—
287449 2002 XR_{82}	15.4	X	61.10236	134.81575	219.58474	11.12121	0.1667729	0.21201685	2.7854100	21	—	—
287450 2002 XW_{95}	16.3	X	19.21206	230.23274	237.63038	6.32820	0.1017156	0.22010646	2.7167366	21	—	—
287451 2002 XU_{115}	16.1	X	324.99847	221.15275	320.33982	4.12398	0.0978037	0.21307348	2.7761938	21	—	—
287452 2002 XL_{119}	15.8	X	151.40255	351.16108	66.02286	12.96254	0.0647951	0.18166154	3.0876452	21	4 12.9	20.5
287453 2002 XU_{119}	16.9	X	240.98052	255.55570	67.67392	14.33124	0.1573912	0.23578181	2.5949511	21	3 16.5	21.3
287454 2002 YX_{7}	12.6	X	291.13258	245.18057	92.31928	28.57693	0.0746402	0.08020337	5.3252620	21	6 11.6	19.6
287455 2002 YM_{13}	16.9	X	211.60439	213.26401	220.97090	1.65686	0.1548499	0.24143153	2.5543088	21	6 28.4	20.8
287456 2002 YC_{15}	16.0	X	81.81993	50.13151	109.78437	13.70037	0.0882605	0.23124545	2.6287780	21	5 26.5	19.6
287457 2002 YH_{21}	16.0	X	62.51241	337.75133	88.15725	13.11820	0.1695420	0.22003848	2.7172960	21	—	—
287458 2002 YG_{23}	16.9	X	180.93005	320.19450	117.24801	5.90047	0.1791828	0.23757924	2.5818463	21	6 4.3	21.2
287459 2002 YP_{24}	16.7	X	252.50736	216.98632	204.26931	0.75985	0.1261597	0.24554651	2.5256909	21	7 29.1	20.1
287460 2002 YW_{32}	16.8	X	6.77264	13.67257	35.33517	2.54367	0.3059324	0.21108768	2.7935780	21	—	—
287461 2002 YD_{33}	15.0	X	267.06843	91.45954	269.03495	19.44461	0.2991565	0.19333255	2.9620978	21	5 4.9	20.2
287462 2003 AX_{6}	16.7	X	248.50401	131.19692	269.30969	14.04997	0.1231465	0.24407359	2.5358420	21	6 26.3	20.1
287463 2003 AD_{19}	16.0	X	47.60803	72.66057	125.51447	8.14622	0.1434358	0.23087633	2.6315792	21	6 2.1	19.0
287464 2003 AZ_{20}	15.0	X	90.30507	214.43671	293.36170	18.54333	0.1789785	0.17750938	3.1356086	21	6 3.6	19.7
287465 2003 AX_{24}	16.7	X	142.26487	116.40294	271.69476	6.04083	0.1232480	0.27906567	2.3191657	21	2 10.3	19.8
287466 2003 AE_{30}	16.1	X	91.92884	316.40310	123.82522	12.46875	0.0911240	0.22193331	2.7018074	21	2 23.1	19.6
287467 2003 AL_{35}	16.7	X	166.06802	305.14491	157.00428	4.88824	0.2715678	0.23794097	2.5792289	21	6 23.8	21.4
287468 2003 AZ_{36}	16.8	X	42.23539	177.37390	257.45512	6.03232	0.2065696	0.26989330	2.3714173	21	—	—
287469 2003 AC_{37}	15.8	X	118.51004	336.99394	114.78861	11.99547	0.2069533	0.17620194	3.1511005	21	5 4.5	20.9
287470 2003 AE_{42}	17.2	X	145.27778	241.95048	264.93761	6.15027	0.1653952	0.29076306	2.2565410	21	7 28.4	20.6
287471 2003 AK_{46}	15.2	X	74.00229	263.22085	322.30915	9.10700	0.0857107	0.18697223	3.0288980	21	8 8.9	19.3
287472 2003 AJ_{53}	16.2	X	51.07041	357.31047	84.57282	5.11548	0.1216084	0.21677650	2.7444875	21	—	—
287473 2003 AO_{62}	16.2	X	299.39512	169.31347	237.03740	0.61662	0.1636920	0.19713090	2.9239251	21	9 4.1	19.5
287474 2003 AQ_{62}	17.0	X	263.48453	27.54164	90.75850	3.54821	0.1419303	0.25378965	2.4707006	21	10 30.3	20.0
287475 2003 AY_{66}	16.2	X	175.24352	71.25087	2.40236	9.50266	0.1573036	0.23420670	2.6065727	21	5 21.4	20.5
287476 2003 AT_{71}	17.2	X	350.08730	289.77608	104.45505	23.93074	0.1082283	0.36086982	1.9539000	21	—	—
287477 2003 AG_{73}	16.3	X	317.87937	318.27168	132.91933	14.13815	0.1364379	0.20361576	2.8615091	21	12 12.5	19.7
287478 2003 AR_{78}	15.9	X	223.78861	280.33587	142.37396	8.41121	0.0991900	0.18537642	3.0462560	21	6 30.4	20.6
287479 2003 AS_{80}	15.7	X	120.59725	54.52635	58.09566	22.64962	0.0320567	0.22778563	2.6553300	21	5 6.6	19.3
287480 2003 AJ_{84}	15.2	X	71.61320	41.99455	147.89620	28.03071	0.1423653	0.17675204	3.1445591	21	6 30.8	19.9
287481 2003 AW_{85}	16.3	X	228.99694	213.11867	214.53008	4.91207	0.1884383	0.24262222	2.5459449	21	7 4.1	20.4
287482 2003 AU_{94}	16.1	X	249.43811	289.13876	119.70065	4.00040	0.1300145	0.18851958	3.0123012	21	7 7.8	20.5
287483 2003 BS_{5}	15.6	X	118.57053	331.25586	153.51541	15.34788	0.1245057	0.17685193	3.1433749	21	6 2.9	20.6
287484 2003 BF_{9}	15.1	X	54.42760	295.13995	283.57274	11.12243	0.0675933	0.18024621	3.1037873	21	7 1.0	19.2
287485 2003 BG_{9}	16.3	X	173.44858	271.11234	142.09653	13.51803	0.1956868	0.23151281	2.6267538	21	5 3.1	20.9
287486 2003 BG_{12}	16.2	X	113.74696	331.93452	126.53119	10.50725	0.1793320	0.22623976	2.6674120	21	4 30.6	20.2
287487 2003 BZ_{14}	15.2	X	97.61114	55.90295	129.05447	18.87155	0.1512622	0.17939714	3.1135729	21	7 25.3	19.7
287488 2003 BA_{17}	16.4	X	217.26446	36.89728	143.33781	36.86347	0.0761798	0.30425911	2.1893086	21	12 17.9	20.0
287489 2003 BR_{17}	16.0	X	44.14632	334.13500	134.23855	13.86171	0.1068283	0.21739532	2.7392768	21	1 17.6	19.1
287490 2003 BJ_{19}	15.6	X	136.29416	49.62594	71.84671	7.20562	0.1503927	0.17881807	3.1202911	21	6 16.6	20.4
287491 2003 BK_{19}	17.2	X	206.52068	1.86702	86.14012	6.25202	0.1241047	0.29235878	2.2483226	21	7 13.8	20.5
287492 2003 BX_{24}	15.3	X	73.67495	241.48662	289.05660	13.25734	0.1834262	0.17395687	3.1781544	21	6 12.5	19.7
287493 2003 BB_{28}	15.6	X	142.24199	325.93074	140.30482	10.63738	0.1128214	0.17939431	3.1136057	21	6 3.1	20.5
287494 2003 BJ_{28}	17.5	X	310.57758	100.74724	80.51568	6.37733	0.2051251	0.26380011	2.4077944	21	—	—
287495 2003 BV_{30}	16.0	X	82.89263	216.25968	305.77185	15.73869	0.1737601	0.17589430	3.1547737	21	6 12.3	20.6
287496 2003 BS_{31}	17.5	X	147.09898	306.13619	156.58617	7.52563	0.1767942	0.28678927	2.2773378	21	6 4.1	21.1
287497 2003 BV_{32}	16.3	X	195.73629	71.55406	305.58847	23.31274	0.1598356	0.28248759	2.3003988	21	3 14.9	20.5
287498 2003 BW_{32}	15.8	X	76.71123	205.13797	302.35827	15.85742	0.0593183	0.22779384	2.6552662	21	4 15.5	19.7
287499 2003 BJ_{38}	15.6	X	118.65346	158.65083	316.11751	8.85746	0.0861040	0.17641808	3.1485263	21	5 11.1	20.4
287500 2003 BO_{38}	17.3	X	28.75530	42.49927	107.02937	3.26431	0.1783351	0.27396265	2.3478759	21	1 29.3	18.9
287501 2003 BS_{38}	15.9	X	100.31263	254.86750	296.28728	6.71172	0.1061970	0.18291450	3.0735289	21	7 30.2	20.3
287502 2003 BQ_{43}	16.0	X	155.22922	52.06056	125.89741	7.35136	0.1695827	0.18710438	3.0274716	21	9 14.6	21.0
287503 2003 BB_{45}	16.3	X	164.47993	259.32459	142.71844	12.86708	0.1117068	0.22557870	2.6726207	21	4 6.3	20.5
287504 2003 BD_{48}	15.3	X	202.93367	128.34056	307.29261	15.51031	0.0957767	0.18269539	3.0759857	21	6 26.4	20.1
287505 2003 BO_{55}	15.9	X	75.72711	352.72744	145.67941	9.70411	0.1479061	0.22525717	2.6751633	21	4 28.0	19.3
287506 2003 BS_{56}	16.0	X	14.01949	197.65464	309.58140	9.59935	0.1156507	0.21890282	2.7266861	21	1 19.7	19.0
287507 2003 BQ_{58}	16.1	X	337.52216	214.30912	325.12373	6.90384	0.1521708	0.21520504	2.7578317	21	1 1.7	19.6
287508 2003 BF_{62}	16.6	X	226.63362	32.69934	52.56748	5.22439	0.1348545	0.24195277	2.5506389	21	7 31.9	20.4
287509 2003 BL_{63}	16.4	X	77.81396	298.85472	137.25020	17.88796	0.1042013	0.21829358	2.7317571	21	1 28.2	19.6
287510 2003 BM_{63}	15.0	X	69.21008	192.32101	326.51884	16.16302	0.1118252	0.17126162	3.2114120	21	5 4.3	19.7
287511 2003 BP_{65}	16.8	X	172.70050	293.68016	156.36875	5.88674	0.2376951	0.23529093	2.5985591	21	6 13.7	21.4
287512 2003 BV_{69}	16.8	X	180.89451	151.11037	81.30309	6.32901	0.1464852	0.30777333	2.1726114	21	12 26.6	19.7
287513 2003 BA_{73}	16.1	X	78.28210	218.22687	341.60628	5.97120	0.2364253	0.23031732	2.6358356	21	8 5.5	19.7
287514 2003 BD_{73}	16.8	X	294.49997	250.32735	212.71523	7.14246	0.2239599	0.25489536	2.4635503	21	11 18.3	18.8
287515 2003 BM_{75}	15.1	X	235.27821	13.10499	357.79772	16.01443	0.1405583	0.17951014	3.1122662	21	4 29.9	20.2
287516 2003 BY_{76}	15.7	X	162.73861	56.47970	74.47421	11.87364	0.2081771	0.18308415	3.0716298	21	7 26.6	21.0
287517 2003 BA_{78}	17.0	X	229.63770	121.30954	348.72379	5.33586	0.1362200	0.29812544	2.2192353	21	9 8.4	19.8
287518 2003 BW_{83}	16.3	X	108.23762	352.97091	138.98605	12.20145	0.2104128	0.22813672	2.6526050	21	6 8.3	20.4
287519 2003 BB_{93}	16.1	X	94.68659	181.97696	273.52159	11.83853	0.0737751	0.22244056	2.6976984	21	3 7.0	19.9
287520 2003 CU_{5}	14.9	X	67.90089	208.76235	323.72873	20.16281	0.1038436	0.17580553	3.1558355	21	5 20.5	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287521 2003 CU_{8}	14.9	X	29.50932	213.98212	336.32102	9.38048	0.0673331	0.17047185	3.2213229	21	4 15.0	19.3
287522 2003 CS_{10}	15.5	X	106.36980	69.83588	117.65027	11.13441	0.0405737	0.18272632	3.0756386	21	7 24.9	19.9
287523 2003 CX_{10}	17.1	X	233.45169	235.47839	304.71074	17.57835	0.0649021	0.36095423	1.9535954	21	—	—
287524 2003 CT_{12}	16.0	X	35.84588	167.73409	18.00887	10.36413	0.2227705	0.22309050	2.6924563	21	4 26.9	18.3
287525 2003 CP_{16}	17.0	X	123.24586	17.97039	107.41987	1.44230	0.1210188	0.23077437	2.6323543	21	6 3.8	20.8
287526 2003 CH_{25}	16.2	X	41.44644	116.50131	342.95468	8.81075	0.0469481	0.21203720	2.7852318	21	1 4.2	19.9
287527 2003 DV	17.4	X	153.86423	248.72960	292.61299	3.13671	0.0916293	0.29578687	2.2309172	21	9 20.4	20.5
287528 2003 DD_{1}	15.2	X	207.28064	85.60517	320.98131	17.08958	0.1112044	0.17920993	3.1157409	21	5 19.5	20.4
287529 2003 DU_{1}	16.1	X	302.13948	101.08211	138.04080	14.91503	0.1442481	0.21602185	2.7508755	21	1 31.3	20.0
287530 2003 DH_{4}	16.4	X	95.32792	284.88144	244.89842	10.66486	0.2707643	0.23113080	2.6296473	21	7 16.6	20.5
287531 2003 DZ_{6}	16.6	X	200.02143	346.28364	129.63462	12.04311	0.0973199	0.24013322	2.5635072	21	8 13.9	20.5
287532 2003 DF_{8}	16.5	X	26.85699	18.34407	134.44704	5.93454	0.1031026	0.21841532	2.7307419	21	2 18.3	19.5
287533 2003 DP_{8}	16.7	X	75.99792	86.25731	48.52481	2.50293	0.1744917	0.22393090	2.6857157	21	4 24.3	19.9
287534 2003 DY_{12}	15.7	X	148.06917	310.66877	171.63158	9.60149	0.0396308	0.17652220	3.1472881	21	6 22.1	20.4
287535 2003 DM_{14}	15.0	X	130.57273	132.38584	9.69157	19.82869	0.0911434	0.17763620	3.1341160	21	7 3.6	20.1
287536 2003 DX_{23}	17.8	X	312.32665	73.07822	40.20382	2.54905	0.0899277	0.30928264	2.1655374	21	—	—
287537 2003 EN_{2}	17.2	X	351.54285	254.40809	292.35464	0.51821	0.1255546	0.27079854	2.3661295	21	1 21.2	19.7
287538 2003 ED_{8}	16.4	X	86.76264	359.39428	188.86431	7.46925	0.1622423	0.23139500	2.6276453	21	7 17.8	20.1
287539 2003 ER_{11}	15.2	X	123.31989	152.38187	344.08117	27.25997	0.1194981	0.17578135	3.1561249	21	6 21.3	20.5
287540 2003 EK_{18}	15.8	X	111.45080	48.34787	109.36342	2.79208	0.1312743	0.17758529	3.1347149	21	7 4.1	20.5
287541 2003 EE_{20}	15.8	X	88.89660	29.50711	174.12662	14.20031	0.1237230	0.23255528	2.6188979	21	8 3.9	19.7
287542 2003 EO_{20}	17.1	X	84.59731	2.63136	170.67468	5.37928	0.0978380	0.28182392	2.3040089	21	6 14.8	19.9
287543 2003 EQ_{21}	16.9	X	164.82287	111.57877	17.31389	3.48545	0.2370674	0.23652684	2.5894991	21	7 26.3	21.3
287544 2003 EV_{22}	16.3	X	123.98609	133.02449	4.69611	14.49258	0.1392440	0.23006024	2.6377988	21	6 22.9	20.5
287545 2003 ED_{30}	16.6	X	6.11291	124.51107	325.21095	5.58442	0.0937714	0.26122226	2.4236092	21	—	—
287546 2003 ET_{33}	16.2	X	191.70631	134.69387	347.87768	7.98821	0.2005084	0.18376897	3.0639942	21	8 9.3	21.4
287547 2003 EO_{42}	17.0	X	99.94574	44.87305	155.66598	6.88419	0.0438265	0.28840654	2.2688162	21	8 6.4	19.7
287548 2003 EB_{45}	15.9	X	206.02299	180.01768	322.78111	12.90829	0.0920516	0.18916235	3.0054736	21	9 15.5	20.6
287549 2003 EO_{45}	15.4	X	117.44736	184.99940	345.22935	11.88993	0.0179995	0.17773563	3.1329470	21	7 16.4	20.0
287550 2003 EV_{45}	17.8	X	186.49713	196.57199	322.32928	3.98302	0.1333234	0.29491505	2.2353117	21	9 24.7	20.9
287551 2003 EW_{49}	17.3	X	76.94029	92.23387	112.26968	6.14063	0.1321916	0.28482964	2.2877712	21	7 25.8	19.8
287552 2003 EL_{51}	15.3	X	131.70676	141.21216	355.87551	25.55182	0.1454551	0.17626129	3.1503931	21	7 6.5	20.7
287553 2003 EY_{53}	15.8	X	135.95003	322.78050	183.29588	30.06375	0.3947524	0.17702456	3.1413310	21	7 27.2	22.1
287554 2003 EM_{62}	14.8	X	2.79020	111.52973	169.81031	26.01408	0.2369317	0.17414265	3.1758936	21	7 8.9	18.5
287555 2003 FM	16.8	X	122.65833	179.90533	31.97386	11.21755	0.2634077	0.23578434	2.5949326	21	10 5.5	21.3
287556 2003 FP_{3}	15.3	X	88.30749	126.43086	55.93759	27.78469	0.1720254	0.17392375	3.1785579	21	7 14.9	20.3
287557 2003 FG_{7}	16.8	X	337.70136	356.79555	321.86160	5.37133	0.1804848	0.28302665	2.2974769	21	7 12.4	18.5
287558 2003 FN_{10}	16.7	X	14.25628	156.98065	142.02158	2.30130	0.1503267	0.23173626	2.6250650	21	8 28.9	19.3
287559 2003 FT_{12}	15.3	X	78.35200	353.08117	164.41740	12.54873	0.0669162	0.17208380	3.2011748	21	5 18.5	19.9
287560 2003 FZ_{16}	17.0	X	51.72100	0.49529	151.41834	5.46674	0.0975221	0.22073640	2.7115653	21	3 30.8	20.1
287561 2003 FQ_{18}	16.5	X	313.54469	148.52487	344.00905	1.26861	0.0600180	0.20212082	2.8756014	21	—	—
287562 2003 FV_{18}	17.2	X	125.93950	189.63382	3.86687	4.94140	0.0929736	0.28936131	2.2638227	21	9 7.1	20.2
287563 2003 FS_{19}	16.0	X	3.53064	133.52868	113.88925	10.03735	0.1145576	0.22480058	2.6787844	21	5 22.9	19.1
287564 2003 FU_{21}	17.6	X	339.26347	77.25792	170.91822	6.91916	0.0713125	0.27464073	2.3440098	21	4 8.2	20.1
287565 2003 FX_{21}	17.5	X	241.48992	51.31580	189.87924	3.09436	0.1532681	0.25834464	2.4415732	21	—	—
287566 2003 FG_{22}	15.6	X	122.64833	121.29446	15.67932	13.45808	0.2227222	0.17500767	3.1654198	21	6 29.7	20.9
287567 2003 FV_{23}	15.7	X	61.84516	60.41548	173.39929	13.20762	0.1224016	0.17763527	3.1341269	21	8 5.7	20.0
287568 2003 FR_{24}	17.5	X	313.02821	130.66879	124.04582	2.20876	0.1444036	0.27201492	2.3590704	21	2 24.9	20.5
287569 2003 FZ_{25}	17.5	X	350.17707	50.21171	180.29167	1.98539	0.1557322	0.27405284	2.3473608	21	3 18.3	19.4
287570 2003 FU_{26}	16.0	X	236.24449	74.42501	8.76860	8.80743	0.1201825	0.18353433	3.0666050	21	8 9.9	20.7
287571 2003 FM_{27}	15.9	X	228.17807	245.21937	194.05076	10.06079	0.0809909	0.18121007	3.0927715	21	7 25.4	20.6
287572 2003 FX_{27}	17.6	X	233.28643	213.84609	341.06429	5.63713	0.0749014	0.30597532	2.1811144	21	—	—
287573 2003 FM_{31}	15.6	X	192.25882	122.96970	8.28234	11.36693	0.0591205	0.18259742	3.0770859	21	8 27.5	20.2
287574 2003 FU_{32}	13.5	X	70.09021	306.43457	14.14368	14.81865	0.0407299	0.08380489	5.1715789	21	11 4.8	20.4
287575 2003 FO_{35}	16.3	X	188.35904	341.91386	1.21119	5.99216	0.0374686	0.21313576	2.7756529	21	2 13.0	20.3
287576 2003 FE_{38}	15.9	X	126.22790	24.28666	1.46374	8.81404	0.0927611	0.21063644	2.7975663	21	2 1.4	19.9
287577 2003 FE_{42}	13.5	X	2.84139	7.65402	6.24220	7.10256	0.0578259	0.08404328	5.1617947	21	10 19.5	20.1
287578 2003 FX_{44}	16.7	X	29.91800	92.67364	13.64795	5.19293	0.1798841	0.21267661	2.7796465	21	—	—
287579 2003 FX_{58}	16.3	X	97.84087	138.25042	346.58377	12.52632	0.1085427	0.22302703	2.6929671	21	4 25.4	20.2
287580 2003 FQ_{64}	17.5	X	93.91472	11.65617	109.55070	3.21199	0.1584865	0.27622189	2.3350561	21	4 25.1	20.2
287581 2003 FO_{65}	17.1	X	7.03676	105.68561	122.54312	5.69061	0.1811749	0.27497862	2.3420892	21	4 20.5	18.9
287582 2003 FQ_{69}	16.4	X	5.36942	164.76421	91.99387	6.05950	0.2158460	0.22320972	2.6914975	21	6 6.1	18.4
287583 2003 FQ_{88}	17.2	X	28.49255	87.42724	114.84263	2.67392	0.1686315	0.27480486	2.3430763	21	4 27.1	18.8
287584 2003 FJ_{89}	16.9	X	285.73234	69.44320	209.19464	10.56829	0.3024373	0.26672497	2.3901598	21	2 3.9	21.1
287585 2003 FQ_{91}	16.2	X	83.79561	209.73525	45.36780	12.47073	0.1430331	0.23537992	2.5979040	21	10 13.6	20.0
287586 2003 FQ_{92}	17.4	X	43.38115	81.21949	103.31816	3.08850	0.1524322	0.27514273	2.3411578	21	4 30.1	19.3
287587 2003 FC_{102}	17.1	X	65.39837	286.61941	205.54031	9.48541	0.1617410	0.27307754	2.3529466	21	3 20.9	19.3
287588 2003 FX_{105}	16.9	X	123.43219	136.09268	41.31548	8.69899	0.1946801	0.23264027	2.6182601	21	8 21.9	21.2
287589 2003 FN_{106}	17.1	X	118.59629	351.55487	151.43235	5.83328	0.1409269	0.28182860	2.3039834	21	6 23.4	20.3
287590 2003 FK_{108}	16.3	X	359.79151	358.64604	172.33250	8.87462	0.1631639	0.21440712	2.7646697	21	1 21.6	19.5
287591 2003 FS_{108}	17.4	X	119.74829	53.16425	164.91949	4.86198	0.1877560	0.29109642	2.2548179	21	10 9.8	20.9
287592 2003 FC_{117}	16.9	X	342.37786	99.32187	155.72057	6.97382	0.0784579	0.27382820	2.3486444	21	4 23.9	19.5
287593 2003 FD_{119}	16.8	X	107.53500	86.93153	176.65269	6.40041	0.1208167	0.29439820	2.2379272	21	11 22.2	20.0
287594 2003 FK_{122}	15.8	X	343.85498	245.67405	207.19755	14.44716	0.1184717	0.20340149	2.8635183	21	—	—
287595 2003 FG_{123}	15.4	X	191.81712	94.11937	350.00196	10.70021	0.0949046	0.17934430	3.1141844	21	6 24.4	20.4
287596 2003 FR_{123}	17.4	X	41.14161	338.50749	188.94719	3.04102	0.1640856	0.27473152	2.3434933	21	3 27.6	18.9
287597 2003 FJ_{126}	16.1	X	45.91902	154.79880	172.49229	18.23819	0.2251730	0.24433489	2.5340337	21	12 11.0	20.0
287598 2003 FY_{131}	16.7	X	69.79310	70.37118	131.07931	11.63846	0.1716961	0.22685372	2.6625970	21	7 15.6	20.0
287599 2003 FM_{132}	16.5	X	274.99568	139.97695	184.81523	11.14241	0.0675754	0.22252096	2.6970486	21	4 29.4	20.2
287600 2003 FH_{133}	13.6	X	218.01134	146.71104	28.78452	10.78910	0.0901120	0.08498738	5.1234961	21	10 29.2	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287601 2003 GN	17.7	X	317.82820	241.20194	196.60438	21.89911	0.1028359	0.35594873	1.9718676	21	—	—
287602 2003 GS_5	17.5	X	197.83516	213.71021	16.71019	3.68273	0.1309826	0.30381814	2.1914265	21	—	—
287603 2003 GO_{15}	17.2	X	63.56002	244.89527	7.04448	6.11196	0.1125137	0.28818992	2.2699530	21	9 12.1	19.9
287604 2003 GQ_{24}	17.5	X	113.64043	98.12123	128.83678	4.09210	0.1746062	0.29024200	2.2592409	21	10 15.4	20.9
287605 2003 GH_{29}	16.2	X	47.18500	256.25869	348.24402	8.94628	0.3487672	0.22645529	2.6657192	21	9 10.3	19.4
287606 2003 GD_{36}	15.9	X	27.32908	108.15947	119.23757	13.59229	0.1427024	0.22431857	2.6826204	21	6 8.4	18.9
287607 2003 GZ_{37}	16.6	X	301.55450	98.92981	125.79936	4.95248	0.0461905	0.21046489	2.7990863	21	1 27.8	20.3
287608 2003 GW_{39}	16.0	X	15.94564	195.15028	54.75548	9.66743	0.0246677	0.17179461	3.2047663	21	6 13.2	20.5
287609 2003 GU_{40}	17.4	X	267.54688	165.53822	117.18525	4.09580	0.1816010	0.26549963	2.3975082	21	2 6.9	20.9
287610 2003 GF_{47}	16.9	X	358.28893	78.49064	132.48967	7.01817	0.1527607	0.21736404	2.7395396	21	3 19.6	19.8
287611 2003 GL_{48}	15.5	X	161.69678	133.49277	53.36963	10.21306	0.0227574	0.18518410	3.0483647	21	10 2.2	20.0
287612 2003 GD_{54}	16.7	X	327.81389	90.53886	180.07308	6.31710	0.0951935	0.27520313	2.3408152	21	4 18.9	19.1
287613 2003 GL_{54}	15.0	X	177.95220	333.94300	138.47529	25.24683	0.1486635	0.17957479	3.1115191	21	7 15.2	20.2
287614 2003 GV_{56}	16.2	X	338.03636	121.16122	21.17919	7.15407	0.1111270	0.25960299	2.4336769	21	—	—
287615 2003 HK	17.5	X	173.92902	160.43957	69.25027	3.98971	0.2083263	0.29853217	2.2172191	21	12 9.9	21.0
287616 2003 HG_4	16.9	X	65.14336	0.69368	221.65033	5.93818	0.0783636	0.28163148	2.3050583	21	7 22.8	19.7
287617 2003 HY_7	17.2	X	350.56355	13.45473	213.29055	5.78220	0.0733227	0.27078099	2.3662317	21	3 23.3	19.9
287618 2003 HU_{12}	15.5	X	32.74717	258.25904	70.44463	11.75898	0.0476935	0.18303670	3.0721608	21	10 23.4	19.8
287619 2003 HD_{13}	17.4	X	65.61479	128.91405	92.15222	3.23981	0.2083617	0.28127778	2.3069903	21	8 16.3	20.0
287620 2003 HW_{13}	15.2	X	175.80638	123.44904	82.15387	11.87381	0.0719539	0.18785314	3.0194215	21	11 7.9	19.8
287621 2003 HE_{14}	16.2	X	21.32681	92.63376	194.93405	10.67605	0.1205364	0.23045308	2.6348003	21	8 17.9	19.3
287622 2003 HO_{16}	17.0	X	43.58393	353.47123	232.19920	6.45115	0.0762675	0.27843358	2.3226743	21	6 23.4	19.5
287623 2003 HW_{16}	16.7	X	248.05973	356.87423	209.79040	8.33203	0.1332310	0.19938684	2.9018284	21	—	—
287624 2003 HA_{17}	16.4	X	351.97562	140.17040	24.51483	9.91571	0.2167376	0.21106808	2.7937509	21	—	—
287625 2003 HC_{22}	17.6	X	127.56282	127.48058	112.99879	3.32815	0.2336146	0.29244429	2.2478843	21	11 15.1	21.3
287626 2003 HT_{29}	17.1	X	99.94185	175.00464	50.16015	3.20642	0.1613327	0.28612556	2.2808582	21	9 27.0	20.3
287627 2003 HL_{33}	15.5	X	29.35761	271.54792	47.78017	10.98899	0.2366595	0.17857597	3.1231106	21	10 28.8	19.2
287628 2003 HV_{33}	17.0	X	60.05402	338.39055	174.26557	3.20085	0.1284122	0.21833079	2.7314467	21	4 17.6	20.0
287629 2003 HO_{34}	17.2	X	105.37400	7.08166	104.94487	3.12339	0.1630309	0.27371778	2.3492760	21	4 28.9	20.0
287630 2003 HP_{34}	16.4	X	358.79651	349.61581	196.54242	7.80558	0.1598697	0.21314405	2.7755810	21	2 9.2	19.6
287631 2003 HY_{34}	16.3	X	346.54292	98.44016	193.37396	12.91120	0.1260084	0.22619159	2.6677906	21	6 21.6	19.5
287632 2003 HM_{35}	16.6	X	344.24926	48.59997	161.92320	5.57316	0.1092234	0.21319043	2.7751785	21	2 26.4	19.8
287633 2003 HN_{35}	17.4	X	92.59270	150.86249	163.17053	5.43320	0.1659801	0.29615279	2.2290792	21	—	—
287634 2003 HH_{43}	15.9	X	102.52969	153.99842	40.82312	11.00975	0.1412809	0.17501512	3.1653301	21	8 15.8	20.8
287635 2003 HJ_{45}	15.4	X	48.80195	5.10850	222.90314	13.25583	0.1450567	0.17115631	3.2127291	21	7 12.4	19.8
287636 2003 HW_{54}	16.8	X	350.23530	142.72294	60.23710	3.05796	0.1160088	0.26742769	2.3859708	21	2 14.8	19.5
287637 2003 HZ_{54}	17.3	X	42.84770	113.17790	19.61205	1.88428	0.1338102	0.26827218	2.3809610	21	2 6.0	19.2
287638 2003 HP_{58}	15.5	X	339.09252	316.26851	17.73220	10.31007	0.0472836	0.17975660	3.1094207	21	8 15.6	19.7
287639 2003 JZ_1	17.8	X	70.53131	336.69130	190.51996	4.20660	0.0895599	0.27445777	2.3450514	21	5 14.1	20.4
287640 2003 JP_2	15.3	X	144.22375	87.71495	51.28070	26.84980	0.1640800	0.17569619	3.1571447	21	7 19.5	20.8
287641 2003 JA_4	16.5	X	40.12811	176.10975	117.44488	6.80634	0.2610575	0.23207511	2.6225091	21	10 25.9	19.8
287642 2003 JV_5	16.9	X	277.02614	141.92161	61.10947	5.87723	0.0973524	0.25616887	2.4553787	21	—	—
287643 2003 JP_{16}	14.5	X	55.72906	142.04661	97.76965	28.38957	0.1919754	0.17214518	3.2004139	21	8 23.3	19.1
287644 2003 JD_{18}	16.9	X	297.27018	166.17017	103.27102	7.25169	0.1761862	0.26655146	2.3911969	21	2 23.1	20.3
287645 2003 KW_6	17.2	X	92.38311	102.47745	122.24327	3.26972	0.1112551	0.28403695	2.2920257	21	9 11.5	20.2
287646 2003 KD_7	17.8	X	153.50751	154.19429	156.69224	8.06568	0.2669556	0.30162494	2.2020367	21	—	—
287647 2003 KR_7	15.7	X	138.70241	105.39989	214.78889	7.12027	0.1602810	0.24319048	2.5419773	21	—	—
287648 2003 KC_{10}	17.7	X	119.61557	49.84171	69.88935	23.00408	0.1123561	0.38321799	1.8771780	21	5 16.5	19.5
287649 2003 KF_{15}	15.7	X	184.79034	53.13803	112.17168	12.24989	0.0538466	0.18023067	3.1039657	21	10 2.0	20.5
287650 2003 KM_{16}	16.5	X	299.98010	209.46860	73.57806	7.60916	0.1553986	0.26733520	2.3865212	21	3 21.1	19.7
287651 2003 KV_{17}	16.3	X	167.48879	214.19566	105.19442	6.81215	0.1446969	0.25165320	2.4846644	21	—	—
287652 2003 KV_{19}	16.5	X	180.71289	161.85539	137.92945	6.64924	0.0831478	0.25253553	2.4788736	21	—	—
287653 2003 KZ_{29}	16.9	X	252.61614	69.15981	234.46945	4.47359	0.2427683	0.26354479	2.4093492	21	2 13.4	21.1
287654 2003 LK_9	17.5	X	335.16485	142.04507	99.49774	3.79717	0.1429014	0.26873287	2.3782392	21	3 13.6	20.1
287655 2003 MW_2	17.1	X	31.99654	150.09526	132.62777	6.78396	0.1365636	0.27671672	2.3322716	21	9 11.4	19.5
287656 2003 MF_4	15.0	X	170.76726	0.38069	258.79672	15.78493	0.1823286	0.18500775	3.0503014	21	12 26.6	20.1
287657 2003 ME_5	16.6	X	217.53127	198.39530	126.69325	12.65897	0.2691388	0.25492321	2.4633709	21	2 16.2	21.0
287658 2003 MJ_8	15.6	X	94.91936	174.45617	141.46635	15.25302	0.2133406	0.18063382	3.0993455	21	12 31.8	20.9
287659 2003 MV_9	15.8	X	24.89912	6.21364	291.86636	13.30144	0.2317725	0.22397131	2.6853926	21	9 18.9	19.0
287660 2003 ND_1	16.7	X	118.40612	161.68572	103.04749	11.75514	0.1940477	0.28933808	2.2639439	21	12 6.5	20.4
287661 2003 NZ_4	15.8	X	284.62243	166.84971	97.10825	16.41312	0.2372675	0.20480332	2.8504366	21	2 5.3	20.4
287662 2003 NW_6	17.2	X	0.85747	230.22033	94.62083	8.72486	0.3032549	0.27652551	2.3333466	21	10 15.3	18.7
287663 2003 NY_{11}	15.7	X	103.37001	92.12177	284.40879	11.71457	0.1942016	0.18758869	3.0222586	21	1 9.1	19.7
287664 2003 NS_{12}	16.4	X	73.32964	86.66584	297.26702	11.75330	0.2078770	0.23815711	2.5776682	21	—	—
287665 2003 OD_2	17.3	X	251.61578	346.44534	289.78769	5.39691	0.2147295	0.31046149	2.1600521	21	1 7.4	20.6
287666 2003 OS_4	17.0	X	125.92862	37.14839	272.94339	7.26347	0.1720452	0.29471289	2.2363338	21	—	—
287667 2003 OH_8	17.6	X	59.50380	188.90572	114.26288	4.06770	0.2145680	0.28387191	2.2929140	21	11 29.8	20.8
287668 2003 OQ_8	16.9	X	1.39644	276.90414	67.11674	3.47943	0.2340829	0.27847707	2.3224324	21	11 1.4	18.6
287669 2003 OM_{12}	16.9	X	339.25135	133.51950	164.92515	13.35706	0.2550184	0.27056748	2.3674764	21	6 1.3	19.0
287670 2003 OT_{20}	15.2	X	142.98028	290.79455	328.98106	14.35348	0.2095116	0.18241301	3.0791594	21	12 4.4	20.7
287671 2003 OE_{23}	17.2	X	6.77315	199.23612	150.81998	3.44918	0.1846892	0.28029360	2.3123874	21	11 14.7	19.2
287672 2003 OH_{27}	17.2	X	306.69573	103.86523	199.61850	1.03209	0.1861927	0.26570340	2.3962823	21	4 18.3	19.9
287673 2003 PU_1	17.4	X	153.49256	157.88846	137.14129	7.76342	0.2238339	0.29602408	2.2297253	21	—	—
287674 2003 PR_6	15.1	X	63.30356	194.10326	166.59126	18.10419	0.2037162	0.17679133	3.1440932	21	—	—
287675 2003 QE_1	16.8	X	205.63933	45.72503	200.12510	7.43984	0.2098083	0.24234498	2.5478862	21	—	—
287676 2003 QP_1	15.8	X	125.22470	157.72750	174.76352	10.64016	0.1098584	0.18319937	3.0703418	21	—	—
287677 2003 QB_4	17.3	X	86.62860	42.42500	296.68702	5.50268	0.1994443	0.29013634	2.2597894	21	—	—
287678 2003 QY_4	15.8	X	9.13583	183.97138	307.22044	11.60340	0.0246559	0.24686527	2.5166880	21	—	—
287679 2003 QV_6	17.8	X	278.44375	42.66856	262.08395	1.27523	0.1892116	0.31566799	2.1362349	21	3 9.3	20.6
287680 2003 QG_{14}	15.9	X	21.63436	119.38012	180.19006	17.65978	0.1761726	0.22047430	2.7137139	21	9 13.5	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287681 2003 QO_{14}	15.7	X	150.04471	75.43654	256.38352	6.73944	0.0419480	0.18795050	3.0183786	21	—	—
287682 2003 QX_{14}	15.3	X	291.66672	258.07679	185.81913	12.98959	0.1563564	0.16857493	3.2454436	21	10 10.2	19.5
287683 2003 QA_{17}	15.7	X	60.57103	217.10164	146.42156	12.05168	0.1402329	0.17785792	3.1315107	21	—	—
287684 2003 QQ_{17}	17.0	X	359.58768	131.25782	143.66632	9.70453	0.2117914	0.26999511	2.3708211	21	6 19.6	18.7
287685 2003 QA_{18}	17.4	X	113.76088	16.88392	14.85007	3.73646	0.1573846	0.29991714	2.2103881	21	1 11.1	19.6
287686 2003 QK_{18}	16.5	X	168.38033	349.93879	330.73501	8.31858	0.1061356	0.24480035	2.5308206	21	—	—
287687 2003 QS_{19}	17.3	X	74.27677	230.44783	130.55032	3.00687	0.1526995	0.28966799	2.2622246	21	—	—
287688 2003 QY_{20}	16.8	X	61.42952	352.31004	0.34783	7.22256	0.1307863	0.28629862	2.2799389	21	—	—
287689 2003 QN_{21}	15.9	X	120.18645	200.39294	165.02516	31.91746	0.1398369	0.24063351	2.5599529	21	—	—
287690 2003 QF_{22}	16.6	X	25.87999	62.18357	302.96119	5.91798	0.1531384	0.28301229	2.2975547	21	12 31.5	19.4
287691 2003 QD_{23}	15.6	X	28.09055	232.17039	175.51951	15.89594	0.1849935	0.17697070	3.1419684	21	—	—
287692 2003 QX_{27}	16.3	X	129.66785	81.09087	263.30092	12.00179	0.1992079	0.23905518	2.5712084	21	—	—
287693 Hugonnaivilma	17.8	X	330.86453	110.46469	244.41353	1.51331	0.2180760	0.27323769	2.3520271	21	8 22.4	19.4
287694 2003 QL_{31}	15.2	X	68.63817	63.15504	311.20040	25.75967	0.1820407	0.17985222	3.1083185	21	—	—
287695 2003 QM_{31}	16.6	X	231.07221	28.89332	329.77422	3.56374	0.2342911	0.25901372	2.4373667	21	4 5.1	20.9
287696 2003 QD_{34}	17.0	X	184.05283	192.99220	182.32035	2.37249	0.2156283	0.25389028	2.4700476	21	3 20.7	21.1
287697 2003 QA_{36}	16.0	X	358.62760	355.04362	335.35779	11.06130	0.1754975	0.21934280	2.7230386	21	9 11.4	18.7
287698 2003 QP_{37}	17.8	X	321.19996	116.29288	167.36914	3.37735	0.1677456	0.31929756	2.1200152	21	4 8.7	19.7
287699 2003 QG_{38}	17.1	X	283.09834	355.76266	313.94272	1.81300	0.1942319	0.26192659	2.4192625	21	3 26.5	20.7
287700 2003 QJ_{43}	16.4	X	31.46131	199.99763	179.65744	6.31927	0.2640421	0.22850945	2.6497198	21	—	—
287701 2003 QC_{45}	17.3	X	21.59679	340.48705	359.79105	5.96950	0.1897347	0.27990200	2.3145437	21	11 23.7	19.8
287702 2003 QE_{46}	17.3	X	316.50798	264.69109	122.87447	0.86996	0.2682506	0.27383549	2.3486027	21	9 4.7	18.4
287703 2003 QR_{48}	15.3	X	100.83044	168.94426	156.80931	13.57668	0.1317239	0.17940447	3.1134881	21	—	—
287704 2003 QE_{49}	16.4	X	280.51223	24.95525	343.96363	5.83733	0.0479055	0.21334647	2.7738251	21	7 7.4	20.1
287705 2003 QC_{53}	17.3	X	18.75936	261.12966	79.32325	3.42634	0.2338590	0.27933371	2.3176818	21	11 28.9	19.6
287706 2003 QQ_{53}	16.1	X	332.32068	1.94149	347.28002	9.90802	0.2449080	0.21775032	2.7362988	21	8 11.5	18.5
287707 2003 QT_{59}	16.7	X	352.06111	315.65116	0.32383	11.41270	0.2900849	0.27232433	2.3572831	21	8 21.6	17.7
287708 2003 QW_{62}	17.6	X	202.81281	195.77837	110.94318	2.20402	0.2169998	0.30315778	2.1946077	21	1 5.9	21.2
287709 2003 QT_{68}	16.6	X	114.39606	345.75279	346.07309	7.44092	0.1802419	0.23805385	2.5784136	21	—	—
287710 2003 QB_{69}	16.2	X	145.63190	251.82626	70.12980	7.88440	0.2662274	0.24215477	2.5492203	21	—	—
287711 2003 QO_{69}	16.2	X	28.93804	294.94984	74.87517	1.98164	0.0921861	0.17492628	3.1664017	21	12 7.5	20.4
287712 2003 QR_{85}	15.5	X	25.50226	202.66783	186.77104	16.84796	0.1943381	0.17328023	3.1864226	21	—	—
287713 2003 QB_{87}	15.3	X	78.93250	191.58072	162.40299	14.84636	0.1042566	0.17963022	3.1108790	21	—	—
287714 2003 QC_{90}	17.0	X	314.94742	111.96269	153.79540	2.46477	0.0161475	0.20373258	2.8604151	21	4 12.8	20.9
287715 2003 QH_{94}	17.6	X	155.93741	211.45731	125.40005	7.08396	0.2144860	0.30033076	2.2083581	21	—	—
287716 2003 QC_{95}	16.9	X	93.91655	232.10444	86.93508	8.13367	0.1542029	0.28729255	2.2746774	21	—	—
287717 2003 QD_{95}	16.8	X	244.50614	188.48229	126.83708	12.56234	0.2528095	0.25535773	2.4605756	21	2 25.4	21.1
287718 2003 QK_{95}	17.7	X	348.08287	258.44319	213.53819	6.92789	0.0454831	0.29253596	2.2474147	21	—	—
287719 2003 QC_{102}	17.6	X	227.87413	195.72150	144.35741	2.57286	0.1986678	0.25620489	2.4551485	21	3 14.3	21.7
287720 2003 QA_{105}	15.6	X	91.16135	54.24892	264.17864	3.31850	0.1203906	0.17732087	3.1378305	21	12 22.6	20.2
287721 2003 QB_{110}	17.4	X	356.06832	190.21345	255.93761	2.02657	0.1232643	0.29016308	2.2596506	21	—	—
287722 2003 QR_{114}	16.1	X	158.66522	8.76330	286.53468	13.51553	0.1251238	0.23771753	2.5808449	21	—	—
287723 2003 QX_{119}	15.6	X	100.55721	73.19032	293.75098	14.94013	0.1028076	0.18312420	3.0711820	21	—	—
287724 2003 QB_{120}	15.9	X	135.26843	109.93185	254.89681	7.72217	0.0627481	0.18823344	3.0153532	21	1 13.7	20.3
287725 2003 RG	17.1	X	347.82558	337.10014	42.82035	8.06800	0.2321482	0.27712294	2.3299918	21	11 25.3	18.6
287726 2003 RC_{8}	17.0	X	155.94482	45.46581	313.87880	17.61920	0.0861645	0.35576879	1.9725324	21	1 2.4	19.2
287727 2003 RX_{8}	17.0	X	288.82120	311.10601	81.80073	3.49486	0.1858277	0.27076800	2.3663074	21	8 1.3	19.6
287728 2003 RF_{12}	16.9	X	142.06773	281.23768	82.47470	5.22820	0.2326866	0.24500668	2.5293995	21	2 1.6	20.7
287729 2003 RD_{15}	17.9	X	175.91171	92.98882	232.36962	2.99830	0.1839008	0.30100142	2.2050766	21	1 2.2	21.0
287730 2003 RB_{19}	16.3	X	67.31942	151.91531	183.63220	3.91070	0.1619944	0.22979511	2.6398273	21	—	—
287731 2003 RN_{19}	17.4	X	60.70638	25.65863	333.15592	4.38909	0.1874348	0.28699584	2.2762449	21	—	—
287732 2003 RS_{21}	17.2	X	88.57992	3.48344	12.97663	4.07521	0.1397725	0.29387513	2.2405819	21	—	—
287733 2003 RT_{25}	16.7	X	144.11481	55.82208	292.63463	12.47902	0.2137922	0.24247575	2.5469701	21	1 13.0	20.5
287734 2003 RD_{27}	16.3	X	161.55544	149.23814	175.47382	15.74509	0.2157623	0.24084574	2.5584488	21	—	—
287735 2003 SM_{1}	17.3	X	218.77301	303.72148	181.26194	4.97303	0.0281882	0.27498344	2.3420618	21	9 27.5	20.1
287736 2003 SZ_{4}	17.1	X	341.56993	17.73621	348.08206	5.53146	0.2792439	0.27393441	2.3480373	21	10 15.6	18.0
287737 2003 SX_{5}	17.0	X	157.34494	308.00008	353.92685	6.29530	0.1744954	0.29410930	2.2393925	21	—	—
287738 2003 SG_{6}	16.5	X	300.23601	359.63009	65.33924	7.05641	0.0969980	0.27721977	2.3294492	21	10 25.7	18.8
287739 2003 SA_{8}	16.8	X	34.76988	49.38778	291.72238	1.04136	0.1121092	0.22409029	2.6844420	21	11 21.8	20.3
287740 2003 SU_{9}	17.1	X	156.09222	323.06934	345.86628	4.84439	0.2062732	0.23969710	2.5666158	21	—	—
287741 2003 SA_{12}	15.9	X	49.97801	223.85699	157.26731	4.99689	0.1635429	0.17696521	3.1420333	21	—	—
287742 2003 SL_{12}	17.7	X	20.24353	184.96511	128.31359	3.10807	0.2142928	0.27594910	2.3365948	21	10 19.6	19.8
287743 2003 SN_{16}	15.6	X	133.15544	75.89989	215.59106	10.01031	0.0897180	0.17829233	3.1264220	21	12 29.7	20.6
287744 2003 SS_{23}	16.5	X	84.66264	347.66437	0.07536	1.23366	0.1218056	0.17782498	3.1318975	21	—	—
287745 2003 SJ_{24}	17.1	X	293.05633	154.77177	186.41681	22.49760	0.1069874	0.37507010	1.9042666	21	5 31.9	19.5
287746 2003 SR_{26}	17.7	X	126.59016	339.59350	5.14318	1.78474	0.1821946	0.29491945	2.2352894	21	—	—
287747 2003 SV_{26}	17.7	X	138.90524	29.69181	251.46243	5.35014	0.1631295	0.29115931	2.2544932	21	—	—
287748 2003 SX_{30}	16.0	X	250.47951	66.97919	192.03847	10.19328	0.0653063	0.18785455	3.0194064	21	1 11.3	20.7
287749 2003 SJ_{32}	16.6	X	102.34181	73.38164	340.84262	10.91299	0.2952082	0.24090029	2.5580626	21	3 1.1	19.8
287750 2003 SS_{33}	17.5	X	108.59046	244.17398	167.70471	12.32593	0.2800518	0.24322891	2.5417096	21	3 2.6	20.9
287751 2003 SU_{35}	16.9	X	142.56980	12.25854	320.00214	5.31572	0.2087540	0.29610999	2.2292940	21	—	—
287752 2003 SG_{38}	16.3	X	68.05201	185.79539	254.51511	8.15161	0.1959063	0.24054484	2.5605820	21	1 20.4	18.8
287753 2003 SS_{39}	15.5	X	95.61187	148.70058	199.98186	14.02413	0.1955895	0.17863596	3.1224114	21	—	—
287754 2003 SX_{40}	15.6	X	6.23060	49.71275	330.60056	17.88136	0.1574755	0.16988468	3.2287412	21	11 18.2	19.9
287755 2003 SR_{41}	17.2	X	275.92830	352.78787	313.56498	17.84044	0.0820195	0.37034891	1.9204161	21	3 5.2	19.7
287756 2003 SY_{42}	17.5	X	96.40285	179.17119	216.84151	3.72559	0.1564709	0.29699655	2.2248553	21	—	—
287757 2003 SS_{48}	17.0	X	201.48254	144.61754	236.35363	5.34860	0.2075361	0.25470373	2.4647858	21	4 9.3	21.1
287758 2003 ST_{49}	17.8	X	103.30101	181.21265	200.81467	4.02410	0.1574628	0.29472907	2.2362519	21	—	—
287759 2003 SN_{54}	15.8	X	144.66522	119.03044	217.67095	10.28487	0.1392574	0.18598622	3.0395937	21	—	—
287760 2003 SY_{58}	16.5	X	58.28321	79.12800	289.59724	14.34005	0.2315807	0.23292351	2.6161371	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287761 2003 SV_{60}	17.5	X	64.10699	192.91713	212.59471	2.99633	0.1549206	0.29247596	2.2477220	21	—	—
287762 2003 SH_{61}	17.1	X	235.30133	318.66278	51.10834	2.06821	0.2040405	0.26008315	2.4306807	21	4 25.7	21.1
287763 2003 SY_{63}	16.5	X	297.47261	220.64529	194.98296	8.91274	0.3171964	0.21723906	2.7405903	21	8 18.2	19.7
287764 2003 SL_{65}	17.6	X	35.43087	131.21090	271.54756	7.35637	0.1699741	0.28817941	2.2700081	21	—	—
287765 2003 SU_{65}	17.1	X	146.01266	172.19618	144.16830	5.20261	0.1941947	0.29455101	2.2371531	21	—	—
287766 2003 SG_{67}	16.4	X	356.38131	139.61019	280.29745	3.67832	0.3150602	0.22623238	2.6674700	21	—	—
287767 2003 SS_{67}	17.0	X	275.57465	333.23859	348.62476	2.40030	0.2056789	0.25994520	2.4315405	21	4 2.3	20.6
287768 2003 SE_{69}	17.6	X	92.83222	64.32332	316.31249	2.53330	0.1650580	0.29312995	2.2443776	21	—	—
287769 2003 SE_{72}	17.0	X	298.01378	154.28533	228.65779	3.62154	0.1404906	0.27057883	2.3674102	21	8 7.2	19.5
287770 2003 SP_{74}	17.3	X	122.07741	162.16639	193.90395	8.40219	0.1732285	0.23958141	2.5674420	21	—	—
287771 2003 SB_{79}	17.4	X	263.21092	286.87927	312.88854	6.55197	0.1579991	0.30085158	2.2058087	21	—	—
287772 2003 SE_{82}	16.9	X	191.51940	297.24588	8.17168	10.50306	0.1907442	0.24480471	2.5307905	21	1 3.8	21.2
287773 2003 SD_{83}	16.9	X	54.66959	294.63448	24.89842	3.23347	0.0867967	0.22450264	2.6811539	21	11 16.3	20.4
287774 2003 SA_{86}	15.8	X	79.92501	233.38709	208.52908	9.69382	0.2679853	0.18539004	3.0461067	21	3 8.5	19.7
287775 2003 SD_{88}	17.3	X	162.43288	285.56700	24.87379	5.24529	0.2905512	0.24199306	2.5503558	21	—	—
287776 2003 SA_{89}	15.6	X	92.34136	132.76191	254.52480	8.09499	0.1477835	0.18582198	3.0413845	21	—	—
287777 2003 SO_{91}	16.1	X	246.95944	42.81479	357.18078	6.28132	0.0356596	0.20883562	2.8136257	21	7 6.4	20.0
287778 2003 SX_{93}	16.3	X	333.56235	219.68451	212.03333	5.60211	0.2169627	0.22330797	2.6907080	21	12 21.7	18.7
287779 2003 SZ_{98}	14.9	X	94.00577	343.73503	307.17103	14.31288	0.1902732	0.17340311	3.1849170	21	11 27.9	20.2
287780 2003 SJ_{102}	15.6	X	146.00424	15.12848	327.99598	15.63372	0.1079314	0.18627832	3.0364154	21	1 9.9	20.3
287781 2003 SS_{103}	15.3	X	59.33477	176.92118	194.64651	17.68296	0.2014748	0.17488906	3.1668509	21	—	—
287782 2003 SP_{109}	17.1	X	176.39075	77.74128	238.83253	4.62173	0.2179441	0.29885590	2.2156177	21	—	—
287783 2003 SE_{113}	16.2	X	156.90882	60.91443	242.44835	9.43958	0.0757586	0.18526239	3.0475058	21	—	—
287784 2003 SG_{116}	17.0	X	126.33401	239.72560	101.47688	7.60434	0.1548681	0.29503823	2.2346895	21	—	—
287785 2003 SX_{117}	17.5	X	236.55727	10.34626	354.05012	0.95359	0.2023824	0.25747727	2.4470534	21	4 19.7	21.4
287786 2003 SN_{119}	16.5	X	79.52141	236.40933	32.56235	7.29254	0.1382350	0.27837149	2.3230196	21	10 27.5	19.6
287787 Karády	17.3	X	137.63572	59.83223	305.33307	5.42105	0.0980636	0.24442914	2.5333823	21	1 11.8	20.7
287788 2003 SY_{133}	17.2	X	110.06975	213.56918	141.45931	4.94710	0.1654954	0.29334452	2.2432830	21	—	—
287789 2003 SP_{134}	17.4	X	321.62452	73.81201	217.22612	4.38832	0.2215476	0.26506026	2.4001569	21	4 16.9	19.7
287790 2003 SB_{139}	17.0	X	76.48162	334.13885	342.97247	5.53317	0.2327853	0.28320071	2.2965355	21	—	—
287791 2003 SQ_{140}	16.1	X	155.10835	342.02192	313.10431	11.30053	0.1858226	0.23625738	2.5914677	21	—	—
287792 2003 SO_{143}	17.1	X	290.07920	353.67394	335.38789	5.22485	0.1451145	0.26117574	2.4238970	21	5 5.9	20.4
287793 2003 SR_{143}	17.1	X	30.66578	139.29084	212.46061	5.74027	0.1294946	0.27960810	2.3161653	21	12 14.9	19.8
287794 2003 SU_{146}	17.0	X	123.91121	92.43710	244.34136	4.29100	0.1673616	0.29178884	2.2512494	21	—	—
287795 2003 SY_{152}	16.4	X	77.93182	25.79625	40.11931	9.33323	0.1355834	0.24185899	2.5512982	21	1 14.7	19.3
287796 2003 SJ_{155}	16.9	X	264.44622	156.49251	266.52553	1.44094	0.1973512	0.26779996	2.3837592	21	8 5.9	19.8
287797 2003 SL_{155}	17.0	X	158.02115	113.57693	204.37649	5.69530	0.1355158	0.29514158	2.2341678	21	—	—
287798 2003 SS_{159}	17.1	X	66.20070	27.87823	314.68281	6.90659	0.1597953	0.28622578	2.2803257	21	—	—
287799 2003 SK_{161}	17.7	X	218.23624	226.36922	119.99304	3.15919	0.1637752	0.30929471	2.1654810	21	3 9.3	20.8
287800 2003 SO_{161}	16.6	X	102.30929	163.82036	139.38978	2.91143	0.1190274	0.23051514	2.6343274	21	12 24.7	20.5
287801 2003 SD_{163}	17.2	X	136.01941	189.13767	178.43148	6.14254	0.1884551	0.24190644	2.5509646	21	1 23.8	20.9
287802 2003 SG_{163}	15.2	X	184.96285	288.93598	26.22880	9.01699	0.0910551	0.18630438	3.0361322	21	1 14.2	20.0
287803 2003 SU_{165}	16.7	X	260.00658	1.50071	65.50406	6.56607	0.0940234	0.27107303	2.3645319	21	8 26.2	19.7
287804 2003 SG_{166}	16.6	X	64.83549	201.52706	142.48768	4.55610	0.1095133	0.23133438	2.6281043	21	—	—
287805 2003 SC_{172}	17.0	X	48.70401	191.73109	111.20566	1.28709	0.0979717	0.27819788	2.3239860	21	10 29.1	19.7
287806 2003 SH_{172}	17.7	X	78.96064	75.26501	280.87557	2.41182	0.1439765	0.28823802	2.2697004	21	—	—
287807 2003 SU_{172}	17.3	X	274.40579	8.40249	32.04142	0.96840	0.2470584	0.26788433	2.3832586	21	7 11.0	20.4
287808 2003 SP_{173}	15.8	X	152.60656	149.69358	202.42313	9.78933	0.0929740	0.18782763	3.0196949	21	1 20.3	20.5
287809 2003 SR_{175}	17.4	X	167.97236	250.62508	42.91241	2.18968	0.0551920	0.29357775	2.2420947	21	—	—
287810 2003 SJ_{176}	16.4	X	262.36444	46.01431	3.77903	4.66939	0.1156716	0.21289152	2.7777755	21	7 28.3	20.2
287811 2003 SS_{180}	15.8	X	35.62085	91.26489	342.78070	12.77522	0.1864425	0.17995756	3.1071054	21	—	—
287812 2003 SW_{180}	16.3	X	290.27247	50.90244	262.48657	4.59559	0.0525201	0.20581503	2.8410878	21	5 4.8	20.3
287813 2003 SD_{183}	17.1	X	172.68823	293.28846	15.96565	8.46648	0.1272995	0.24243784	2.5472356	21	—	—
287814 2003 SR_{183}	14.4	X	69.78515	58.52883	337.60826	10.23978	0.1994513	0.12380780	3.9869186	21	1 5.1	19.6
287815 2003 SC_{186}	16.1	X	312.49403	18.91829	321.54657	5.03195	0.0286262	0.21245251	2.7816008	21	7 16.0	19.6
287816 2003 SV_{187}	15.6	X	27.43693	179.39471	247.91711	7.71707	0.0397214	0.18174584	3.0866903	21	—	—
287817 2003 SX_{189}	17.6	X	164.82739	295.65208	42.67846	4.53483	0.2182932	0.30104267	2.2048752	21	1 12.2	20.8
287818 2003 SH_{190}	17.3	X	149.89194	226.36577	124.08101	5.43853	0.3109743	0.24288179	2.5441307	21	1 30.3	21.4
287819 2003 SN_{190}	17.6	X	335.53743	120.13811	289.02713	2.24711	0.1505313	0.27840252	2.3228470	21	12 6.4	19.4
287820 2003 SE_{193}	16.4	X	201.32169	346.73082	305.84877	7.74352	0.1143900	0.24225576	2.5485117	21	—	—
287821 2003 SG_{193}	15.6	X	311.04989	160.07889	260.43479	7.55256	0.1350502	0.21974167	2.7197424	21	10 18.0	18.7
287822 2003 SO_{193}	16.6	X	50.76116	167.24937	262.23509	7.99984	0.1428318	0.23761428	2.5815925	21	—	—
287823 2003 SK_{194}	17.0	X	143.61171	95.05682	275.39509	5.38255	0.0834578	0.30025202	2.2087442	21	1 11.1	19.5
287824 2003 SK_{195}	16.9	X	261.23473	70.59427	312.14183	5.43060	0.1486857	0.26300337	2.4126547	21	6 13.8	20.3
287825 2003 SX_{195}	17.1	X	157.14147	29.47125	332.17042	3.90597	0.2373487	0.24445576	2.5331984	21	2 12.4	21.2
287826 2003 SA_{197}	15.2	X	43.61111	350.79522	307.15686	13.94100	0.3724202	0.16805532	3.2521298	21	11 3.5	19.9
287827 2003 SC_{198}	17.3	X	243.58538	141.00055	174.07175	9.45257	0.1999043	0.25385104	2.4703022	21	2 23.6	21.5
287828 2003 SY_{198}	16.8	X	203.63172	56.52667	266.73348	6.16377	0.1412038	0.30195996	2.2004076	21	1 22.7	20.1
287829 2003 SB_{201}	17.1	X	237.25001	156.33631	5.28113	2.63476	0.0155533	0.22863473	2.6487517	21	12 3.7	20.5
287830 2003 SL_{201}	16.8	X	182.36089	182.37330	232.19455	19.53487	0.1077852	0.36711371	1.9316821	21	4 24.2	19.3
287831 2003 SM_{201}	17.1	X	325.63350	75.06684	185.84729	21.80252	0.0490945	0.36709841	1.9317357	21	3 23.6	18.8
287832 2003 SD_{203}	16.9	X	140.53278	156.93748	186.96125	4.48400	0.0594095	0.24157337	2.5533088	21	—	—
287833 2003 SF_{203}	17.7	X	10.12125	124.75687	212.14245	2.34712	0.1976828	0.27668376	2.3324568	21	11 1.1	19.8
287834 2003 SY_{203}	17.5	X	271.84859	259.97736	163.98972	1.47111	0.1613814	0.27009027	2.3702642	21	8 23.9	20.4
287835 2003 SP_{204}	17.3	X	307.31411	169.84315	207.08335	8.54688	0.2625104	0.26844868	2.3799173	21	7 22.7	19.8
287836 2003 SL_{208}	15.8	X	61.15197	97.77613	258.38389	3.80368	0.1604047	0.17644682	3.1481844	21	—	—
287837 2003 SY_{209}	17.2	X	166.17793	87.62696	251.40500	4.87238	0.2104516	0.29878405	2.2159729	21	1 12.5	20.4
287838 2003 SV_{215}	16.1	X	291.19054	226.31010	214.67810	5.46832	0.1742733	0.21799618	2.7342410	21	10 8.7	19.3
287839 2003 SY_{218}	15.0	X	52.28083	125.55790	217.57799	9.24972	0.2758695	0.16926606	3.2366032	21	12 27.6	19.9
287840 2003 SD_{219}	17.9	X	302.00024	267.78165	178.65562	21.90014	0.0720360	0.39049158	1.8537945	21	12 31.4	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287841 2003 SL_{219}	17.6	X	129.49277	163.28556	191.42997	4.93271	0.3192886	0.23956968	2.5675258	21	1 17.8	21.4
287842 2003 SX_{219}	15.7	X	72.69712	161.50953	168.32255	15.61906	0.1452529	0.17477088	3.1682784	21	12 19.9	20.7
287843 2003 SO_{226}	16.3	X	30.33775	28.53062	26.76304	3.60388	0.1421435	0.17500183	3.1654903	21	—	—
287844 2003 SN_{229}	17.4	X	151.81376	287.05779	61.36344	2.93412	0.1525874	0.29719608	2.2238594	21	1 3.2	20.2
287845 2003 SC_{231}	15.6	X	155.23085	296.27665	29.27760	9.27268	0.0775567	0.18621100	3.0371471	21	—	—
287846 2003 SD_{231}	17.1	X	27.32764	238.14815	150.81232	6.28730	0.1005603	0.28561879	2.2835553	21	—	—
287847 2003 SQ_{235}	16.5	X	250.16109	13.33630	17.56538	10.58521	0.2050729	0.26566663	2.3965034	21	6 3.6	20.4
287848 2003 SQ_{236}	17.2	X	32.14506	305.03736	342.80768	2.29646	0.2562060	0.27453872	2.3445904	21	10 7.4	19.5
287849 2003 SY_{237}	17.3	X	245.89031	142.16344	239.77892	1.54003	0.2163324	0.26041298	2.4286278	21	5 19.9	21.0
287850 2003 SR_{242}	17.2	X	47.38570	247.80438	29.68858	2.59149	0.2081674	0.27235674	2.3570962	21	10 8.5	19.9
287851 2003 ST_{242}	17.0	X	263.61718	210.62987	29.49057	3.13338	0.1736484	0.24238875	2.5475795	21	—	—
287852 2003 SD_{244}	16.3	X	347.04524	165.73246	190.23072	4.80483	0.1767760	0.21725066	2.7404927	21	9 26.4	18.8
287853 2003 SX_{246}	16.9	X	306.07695	152.47512	172.42790	4.75790	0.1954758	0.26435943	2.4043970	21	5 18.1	19.6
287854 2003 SV_{250}	16.3	X	312.91257	226.15254	190.81435	8.21786	0.1657259	0.21921466	2.7240997	21	10 17.2	19.0
287855 2003 SA_{252}	15.8	X	281.71807	10.58040	42.20189	11.30023	0.2621971	0.21037437	2.7998891	21	8 7.3	19.7
287856 2003 SQ_{254}	17.4	X	126.09570	31.70019	346.94525	0.82182	0.1261539	0.24261982	2.5459617	21	1 18.9	20.6
287857 2003 SW_{255}	16.7	X	300.92175	208.46320	202.28196	5.99252	0.1107297	0.27169579	2.3609173	21	9 29.5	19.1
287858 2003 SW_{256}	17.0	X	272.70035	108.21932	330.07508	2.71127	0.0685141	0.27521632	2.3407405	21	9 30.2	19.7
287859 2003 SJ_{260}	15.6	X	34.58177	156.61192	223.67827	3.97708	0.1217454	0.17546081	3.1599676	21	12 31.3	20.0
287860 2003 SA_{263}	17.3	X	7.99764	256.20961	143.99311	5.29028	0.1267305	0.28269208	2.2992893	21	—	—
287861 2003 SC_{266}	15.6	X	358.65284	67.64580	27.70285	5.02746	0.1195212	0.17739579	3.1369470	21	—	—
287862 2003 SW_{274}	17.4	X	119.87297	271.44415	86.88272	1.81961	0.1639412	0.23847259	2.5753943	21	—	—
287863 2003 SM_{275}	15.9	X	62.35689	333.16147	17.34969	14.87851	0.0860170	0.22848499	2.6499089	21	—	—
287864 2003 SA_{278}	16.1	X	2.92435	175.13871	346.51518	14.93199	0.0434518	0.24499641	2.5294702	21	1 25.9	19.5
287865 2003 SK_{284}	16.9	X	53.99975	80.07460	338.57671	12.67622	0.1763617	0.23640250	2.5904070	21	—	—
287866 2003 SK_{289}	15.5	X	156.59859	280.06581	28.03504	11.19351	0.0363910	0.18153780	3.0890481	21	—	—
287867 2003 SV_{292}	16.9	X	155.02007	58.26262	315.18554	9.22065	0.2699889	0.24524883	2.5277343	21	2 24.9	21.2
287868 2003 SE_{294}	16.9	X	123.42507	114.49915	185.42771	11.12684	0.2459196	0.28659232	2.2783810	21	—	—
287869 2003 SF_{295}	16.6	X	271.67866	72.43409	231.44104	6.72995	0.1114478	0.25775072	2.4453224	21	3 14.4	20.2
287870 2003 SG_{302}	15.6	X	60.16826	210.11570	163.73639	12.49860	0.0240140	0.17744227	3.1363992	21	—	—
287871 2003 SN_{303}	16.8	X	234.88916	226.48050	273.95625	5.78789	0.0735219	0.27631723	2.3345190	21	10 31.9	19.9
287872 2003 SE_{305}	15.9	X	312.86452	351.65142	8.07746	9.43482	0.1714687	0.21240351	2.7820286	21	7 27.3	19.2
287873 2003 ST_{305}	17.3	X	114.02410	51.36686	336.09892	14.54938	0.1433215	0.24237739	2.5476591	21	1 20.9	20.7
287874 2003 SZ_{305}	17.7	X	215.16476	77.21747	274.21932	3.99164	0.1922929	0.30806809	2.1712254	21	3 9.7	21.1
287875 2003 SV_{313}	15.4	X	215.77912	211.32735	40.72492	10.06754	0.0192973	0.18205806	3.0831604	21	—	—
287876 2003 SC_{315}	15.4	X	342.66526	212.49609	264.62280	21.34105	0.0520763	0.23484160	2.6018726	21	—	—
287877 2003 SJ_{318}	16.0	X	151.52779	279.03728	7.07199	4.13028	0.1022031	0.18058521	3.0999018	21	—	—
287878 2003 SL_{318}	16.9	X	230.06226	304.15461	342.92972	1.36127	0.0606463	0.19158314	2.9801024	21	1 24.3	21.4
287879 2003 SU_{319}	16.8	X	36.42627	333.97669	93.25937	4.27143	0.2041420	0.23279170	2.6171245	21	—	—
287880 2003 SC_{324}	17.8	X	314.11434	157.58628	190.60817	1.01643	0.1980349	0.26758282	2.3850486	21	7 5.0	19.8
287881 2003 SZ_{324}	17.0	X	108.96096	62.99581	323.03465	13.83889	0.1309535	0.24203536	2.5500587	21	1 8.9	20.3
287882 2003 ST_{325}	18.1	X	40.70309	15.74041	270.09689	3.12904	0.1569054	0.27504598	2.3417068	21	9 29.8	20.7
287883 2003 SX_{326}	17.2	X	243.08404	238.37341	9.28555	6.91536	0.1579489	0.24386899	2.5372601	21	—	—
287884 2003 SC_{329}	16.6	X	62.37468	190.14999	250.69695	6.56674	0.1636299	0.23914025	2.5705986	21	1 8.2	19.0
287885 2003 ST_{329}	17.1	X	48.38171	266.88594	59.80664	6.19307	0.2153318	0.28026342	2.3125534	21	12 16.4	20.2
287886 2003 SJ_{330}	18.2	X	113.91910	225.14805	44.90926	1.31422	0.1730940	0.28341198	2.2953940	21	12 6.1	21.7
287887 2003 SQ_{331}	16.2	X	52.26401	266.42652	188.32133	9.85982	0.0342269	0.18735559	3.0247648	21	1 15.2	20.5
287888 2003 SO_{333}	16.9	X	283.84057	195.30629	174.11985	3.06184	0.0933639	0.21138729	2.7909377	21	7 4.3	20.7
287889 2003 SG_{334}	17.1	X	157.16719	126.81382	22.46967	1.68211	0.1278971	0.26318218	2.4115618	21	8 12.7	20.8
287890 2003 SU_{336}	15.6	X	223.92044	214.18977	82.67131	11.47042	0.1599933	0.18979746	2.9987652	21	1 28.8	20.6
287891 2003 SE_{338}	17.6	X	195.11499	9.18760	272.16254	2.95725	0.2262581	0.24408352	2.5357732	21	—	—
287892 2003 SP_{342}	16.9	X	316.50417	218.42730	183.04158	5.23088	0.0468178	0.22126766	2.7072234	21	10 11.6	20.3
287893 2003 SX_{349}	16.6	X	134.74643	196.71075	13.41344	7.45275	0.0905784	0.27514528	2.3411433	21	10 7.2	19.8
287894 2003 SL_{351}	17.4	X	336.66113	248.11663	88.15338	4.26092	0.1078409	0.26987833	2.3715050	21	8 14.9	19.6
287895 2003 SO_{375}	17.6	X	80.50290	97.69287	164.78338	1.49924	0.1028139	0.27615697	2.3354220	21	10 15.8	20.5
287896 2003 SK_{377}	17.7	X	328.31761	89.68213	157.38612	1.69632	0.1417088	0.25691512	2.4506217	21	3 11.0	20.4
287897 2003 ST_{382}	16.3	X	167.84325	146.98636	171.64940	10.97144	0.0833328	0.18574154	3.0422625	21	—	—
287898 2003 SY_{388}	16.2	X	137.73030	171.79230	170.34489	10.19215	0.0721456	0.18355901	3.0663301	21	—	—
287899 2003 SL_{401}	16.3	X	51.90294	171.06746	166.82323	15.61491	0.1274622	0.22358940	2.6884497	21	12 13.7	20.3
287900 2003 SU_{413}	16.6	X	5.48649	76.71095	21.18749	4.74803	0.1184146	0.18004603	3.1060874	21	—	—
287901 2003 SO_{423}	16.0	X	144.55490	234.13158	81.60573	13.61418	0.1832390	0.23777015	2.5804642	21	—	—
287902 2003 SQ_{427}	15.7	X	261.23519	169.02263	32.25839	13.30911	0.0950929	0.18067831	3.0988367	21	—	—
287903 2003 SX_{428}	17.0	X	90.58986	201.75123	221.52560	3.09999	0.1374942	0.24448466	2.5329987	21	1 28.2	19.8
287904 2003 SO_{430}	18.1	X	14.51896	210.80254	142.31014	4.40348	0.2660804	0.27771297	2.3266905	21	12 15.5	20.5
287905 2003 SV_{430}	16.6	X	44.84773	64.13737	315.34135	3.61004	0.0612332	0.17303484	3.1894344	21	—	—
287906 2003 SQ_{433}	16.1	X	161.26358	340.07284	244.03625	10.69162	0.0764488	0.22285175	2.6943790	21	11 15.8	20.1
287907 2003 TV_{5}	16.4	X	172.66013	230.27859	241.00397	10.71431	0.0366940	0.26037994	2.4288332	21	7 5.4	19.7
287908 2003 TK_{11}	16.1	X	320.62247	33.85423	0.22946	4.67892	0.1532114	0.21763449	2.7372696	21	9 28.9	18.9
287909 2003 TR_{12}	16.8	X	6.45823	119.17311	201.09961	6.44998	0.1278934	0.27136238	2.3628508	21	9 15.8	19.0
287910 2003 TY_{19}	17.2	X	263.21520	161.80214	298.49026	4.14549	0.1076461	0.27322152	2.3521198	21	10 9.4	20.1
287911 2003 TZ_{33}	17.5	X	282.88065	35.81892	167.08718	5.18685	0.1021185	0.29451541	2.2373334	21	—	—
287912 2003 TG_{35}	16.7	X	135.96696	304.27438	250.49390	6.75717	0.0593984	0.26922812	2.3753217	21	9 12.2	20.2
287913 2003 TE_{37}	17.0	X	123.08491	86.03632	227.57470	13.43399	0.1533589	0.23356695	2.6113302	21	—	—
287914 2003 TX_{41}	16.7	X	313.81924	58.08038	329.64654	4.79099	0.0258105	0.21648664	2.7469367	21	9 18.3	20.3
287915 2003 TH_{47}	17.8	X	357.95774	191.65343	264.29888	1.94522	0.1295997	0.28708657	2.2757653	21	—	—
287916 2003 TJ_{47}	17.5	X	318.16378	359.93271	358.07987	6.78422	0.1292827	0.26863742	2.3788024	21	8 11.8	19.8
287917 2003 TH_{48}	15.9	X	166.18151	23.55985	269.53561	4.19523	0.0608270	0.18271356	3.0757818	21	—	—
287918 2003 TY_{49}	16.0	X	115.70567	77.48738	309.50029	11.19935	0.2013626	0.23966915	2.5668153	21	1 28.1	19.2
287919 2003 TP_{56}	16.5	X	142.57290	176.10293	132.38953	7.60475	0.0887430	0.23490679	2.6013912	21	—	—
287920 2003 TP_{58}	15.8	X	26.61427	123.50955	275.93698	4.25266	0.1568336	0.17551255	3.1593466	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
287921 2003 UO_{1}	16.8	X	255.70741	158.42193	318.34599	5.56096	0.0504635	0.27555564	2.3388185	21	10 30.9	19.8
287922 2003 UH_{9}	17.0	X	264.49641	330.73556	77.46424	24.59123	0.0749859	0.37627034	1.9002149	21	8 21.8	19.5
287923 2003 UL_{10}	15.6	X	94.89789	305.41424	53.48503	27.87795	0.2864146	0.17778403	3.1323784	21	—	—
287924 2003 UZ_{19}	17.5	X	347.26008	282.85872	34.35106	28.64129	0.1323891	0.37773616	1.8952958	21	9 12.1	19.6
287925 2003 UQ_{22}	16.9	X	152.21393	242.69048	91.62992	4.80500	0.2022007	0.24001088	2.5643783	21	1 3.1	20.8
287926 2003 UF_{23}	16.3	X	78.03911	206.33827	221.57875	13.38420	0.1372514	0.23812876	2.5778728	21	1 13.3	19.5
287927 2003 UT_{29}	17.3	X	336.62711	334.49863	49.76857	21.29980	0.0585247	0.38441116	1.8732916	21	11 17.9	18.5
287928 2003 UR_{30}	16.8	X	357.81570	86.49743	260.28335	4.97142	0.0333284	0.21670320	2.7451063	21	9 24.4	20.4
287929 2003 UA_{31}	16.4	X	85.33090	289.43249	14.99218	6.82466	0.0599449	0.22488246	2.6781342	21	11 30.1	20.3
287930 2003 UG_{36}	15.8	X	196.67067	18.17365	252.82649	13.98098	0.0634441	0.23526619	2.5987412	21	—	—
287931 2003 UM_{39}	16.0	X	278.22131	213.65769	204.35976	4.11565	0.0972859	0.21196183	2.7858920	21	8 29.4	19.7
287932 2003 UO_{41}	17.3	X	246.75548	242.18027	190.35037	2.15820	0.1656641	0.26684236	2.3894587	21	8 1.4	20.7
287933 2003 UB_{46}	17.7	X	230.13295	1.21705	232.33162	2.63452	0.0623896	0.29052006	2.2577991	21	—	—
287934 2003 UA_{50}	14.9	X	96.84598	201.25827	182.02158	7.75244	0.3589123	0.12485474	3.9645998	21	2 9.9	20.8
287935 2003 UE_{53}	16.2	X	345.98867	251.77499	266.41454	10.85166	0.1201921	0.23769845	2.5809830	21	—	—
287936 2003 UP_{56}	15.9	X	76.12608	153.91591	221.73132	9.68827	0.2118552	0.17609812	3.1523389	21	—	—
287937 2003 UX_{58}	16.1	X	332.56101	28.56684	356.29630	6.09399	0.0381605	0.21899483	2.7259223	21	10 10.7	19.6
287938 2003 UR_{61}	17.5	X	186.91857	191.56823	143.99550	4.92800	0.2179810	0.30268296	2.1969023	21	1 27.7	20.8
287939 2003 UM_{70}	16.0	X	91.59340	251.90829	90.87203	2.56837	0.1365961	0.17598046	3.1537439	21	—	—
287940 2003 UT_{70}	16.6	X	324.03510	280.00162	178.11836	5.48603	0.2389489	0.22487884	2.6781629	21	—	—
287941 2003 UM_{72}	17.8	X	296.22532	265.62887	197.07501	4.95593	0.1891788	0.27850364	2.3222847	21	12 3.8	19.5
287942 2003 UV_{73}	17.3	X	159.93301	255.31361	208.04289	21.02504	0.0783904	0.36794173	1.9287829	21	6 7.9	19.9
287943 2003 UA_{74}	16.7	X	51.23607	231.24376	105.86612	4.39753	0.0829428	0.22459407	2.6804263	21	12 4.8	20.2
287944 2003 US_{78}	17.1	X	180.73165	68.17173	268.60459	5.10723	0.1965085	0.24521809	2.5279456	21	1 29.5	21.2
287945 2003 UJ_{84}	16.6	X	255.34417	24.03257	45.99119	5.11413	0.0457555	0.21126616	2.7920044	21	8 26.6	20.4
287946 2003 US_{86}	16.3	X	292.07771	285.10722	119.81488	6.32475	0.1667671	0.21243283	2.7817726	21	8 24.1	19.6
287947 2003 UH_{91}	16.4	X	355.39287	336.80830	63.99732	7.48229	0.1312689	0.22326738	2.6910341	21	12 13.0	19.3
287948 2003 UN_{91}	16.3	X	14.59246	302.93892	70.59301	6.67286	0.1062735	0.22294750	2.6936075	21	12 4.2	19.4
287949 2003 UO_{91}	15.6	X	105.79236	153.76259	193.79277	11.29518	0.0874244	0.17796503	3.1302541	21	—	—
287950 2003 UG_{93}	15.2	X	67.51388	184.22197	207.93960	16.40443	0.2332676	0.17888250	3.1195418	21	—	—
287951 2003 UY_{94}	18.1	X	303.41246	302.01649	24.75593	4.64276	0.1075578	0.31771335	2.1270567	21	5 26.2	20.1
287952 2003 UK_{97}	15.8	X	263.07196	306.13755	207.84902	13.47765	0.0457539	0.22592311	2.6699038	21	12 22.2	19.5
287953 2003 UR_{98}	16.9	X	157.38415	194.42938	140.65680	5.85034	0.2809385	0.24084508	2.5584535	21	1 15.5	21.2
287954 2003 UJ_{103}	16.8	X	39.54574	213.32568	186.18713	7.27439	0.1379886	0.23006966	2.6377268	21	—	—
287955 2003 UM_{103}	16.5	X	100.92615	177.37917	192.77848	12.40558	0.2222258	0.23591195	2.5939967	21	—	—
287956 2003 UP_{104}	16.9	X	0.54824	180.43783	237.86528	6.68985	0.0571505	0.28308282	2.2971730	21	—	—
287957 2003 UF_{105}	15.7	X	327.01655	4.93323	341.15378	13.20828	0.0131758	0.21058157	2.7980522	21	8 16.4	19.4
287958 2003 UT_{109}	16.1	X	60.73261	138.25193	241.09903	13.21955	0.0894071	0.22944244	2.6425317	21	—	—
287959 2003 UC_{111}	17.4	X	308.59189	34.64969	349.15806	1.17114	0.1953529	0.26893268	2.3770610	21	8 21.5	19.5
287960 2003 UR_{113}	16.5	X	74.32490	291.95767	68.85220	8.95758	0.1184076	0.23037096	2.6354264	21	—	—
287961 2003 UO_{120}	16.1	X	255.48984	70.80780	26.69246	9.37958	0.1371823	0.21505512	2.7591132	21	9 19.4	20.0
287962 2003 UZ_{120}	17.0	X	283.76593	274.98341	172.33370	3.28130	0.0800923	0.27495861	2.3422028	21	10 30.9	19.6
287963 2003 UR_{122}	16.6	X	159.90056	63.47056	267.08562	8.17054	0.2163120	0.24093985	2.5577826	21	1 6.5	20.5
287964 2003 UG_{123}	17.8	X	269.26683	33.70585	35.18394	2.59933	0.1846292	0.26723052	2.3871443	21	8 24.6	20.6
287965 2003 UR_{123}	17.6	X	60.18701	326.15256	45.32239	0.35520	0.1617256	0.28459512	2.2890279	21	—	—
287966 2003 UQ_{126}	16.4	X	270.98405	127.89796	290.41787	4.69980	0.0563877	0.21210082	2.7846748	21	8 25.9	20.1
287967 2003 UW_{129}	17.3	X	185.01814	100.05057	257.78037	5.37673	0.1880380	0.30255890	2.1975027	21	2 19.0	20.7
287968 2003 UC_{131}	16.3	X	59.05461	119.51868	275.76940	8.75217	0.0984707	0.23188260	2.6239604	21	—	—
287969 2003 UR_{133}	17.0	X	231.11569	241.74536	121.51157	7.48161	0.1497796	0.25503464	2.4626533	21	4 20.2	20.9
287970 2003 UR_{135}	16.6	X	2.12475	161.29621	285.12266	5.97774	0.2281429	0.22781229	2.6551228	21	—	—
287971 2003 US_{140}	16.7	X	243.11603	324.89229	147.29817	7.59144	0.0487709	0.27304290	2.3531456	21	10 12.4	19.7
287972 2003 UX_{147}	17.4	X	303.98850	249.25734	152.54642	5.12324	0.1967507	0.26998669	2.3708704	21	9 10.4	19.5
287973 2003 UH_{148}	17.6	X	148.27673	227.23012	154.63291	5.70221	0.3288222	0.24412241	2.5355039	21	3 8.8	21.8
287974 2003 UQ_{148}	15.8	X	280.50640	171.05629	230.22612	11.74877	0.1404882	0.21022230	2.8012392	21	7 31.2	19.8
287975 2003 UQ_{149}	17.7	X	134.84794	263.79169	94.21030	3.14192	0.2945523	0.24129994	2.5552373	21	1 25.3	21.6
287976 2003 UE_{153}	17.3	X	268.80662	213.44931	173.92547	1.97289	0.1716576	0.26330279	2.4108253	21	6 26.5	20.4
287977 2003 UA_{159}	17.0	X	276.71656	280.86898	121.76306	0.72478	0.1130250	0.26515826	2.3995655	21	8 8.3	19.8
287978 2003 UF_{159}	16.3	X	21.82360	242.59377	62.47369	4.92702	0.0894008	0.21195390	2.7859615	21	9 13.5	19.7
287979 2003 UH_{160}	16.8	X	338.59431	18.91775	18.47943	1.66041	0.0517182	0.21984231	2.7189123	21	11 6.2	20.1
287980 2003 US_{161}	17.5	X	144.51654	299.86698	19.37027	2.58273	0.1836416	0.29325874	2.2437204	21	—	—
287981 2003 UP_{162}	17.3	X	122.20630	221.48905	130.42987	3.27914	0.1916828	0.29282699	2.2459253	21	—	—
287982 2003 UQ_{164}	16.1	X	77.58696	208.15004	214.41943	9.25942	0.1884848	0.23664873	2.5886098	21	1 13.6	19.0
287983 2003 UQ_{165}	16.9	X	328.22053	265.92106	32.94436	3.59061	0.2081958	0.26227239	2.4171355	21	5 13.4	19.3
287984 2003 UW_{167}	17.2	X	36.29765	98.73186	318.59166	6.10616	0.1320734	0.28630599	2.2798998	21	—	—
287985 2003 UJ_{168}	17.2	X	143.81370	118.44631	245.86553	3.65803	0.2001193	0.29735299	2.2230770	21	1 20.1	20.0
287986 2003 UD_{174}	16.8	X	87.96752	118.09622	255.26884	2.25868	0.0977777	0.23362919	2.6108664	21	—	—
287987 2003 US_{175}	16.0	X	288.96806	265.08183	184.81014	9.34724	0.0071986	0.22308955	2.6924640	21	11 10.9	19.7
287988 2003 US_{178}	16.8	X	261.34563	58.01407	358.80573	3.89232	0.0586038	0.21133179	2.7914263	21	8 13.5	20.7
287989 2003 UX_{179}	16.6	X	119.27395	191.78718	179.89132	7.57415	0.1814818	0.23856053	2.5747614	21	1 9.1	20.0
287990 2003 UL_{180}	15.8	X	41.18197	286.50893	59.98798	14.68724	0.1312688	0.22311211	2.6922824	21	12 8.9	19.4
287991 2003 UP_{183}	16.9	X	300.16745	240.32213	178.97585	8.29238	0.1243511	0.27210606	2.3585436	21	10 11.8	19.2
287992 2003 UT_{183}	15.9	X	130.71559	313.14527	44.88845	1.20443	0.1959990	0.18335260	3.0686310	21	1 19.3	20.5
287993 2003 UC_{184}	17.9	X	158.00400	178.06225	198.95335	3.84109	0.1899425	0.30101782	2.2049965	21	2 19.0	21.0
287994 2003 US_{184}	17.6	X	74.50878	260.67343	139.09822	5.46312	0.1291510	0.29040839	2.2583778	21	—	—
287995 2003 UP_{187}	15.7	X	282.87543	42.09709	356.65865	6.48059	0.0614989	0.21008647	2.8024464	21	8 18.8	19.4
287996 2003 UC_{190}	17.4	X	264.79466	125.84082	269.74900	1.52030	0.1731826	0.26351598	2.4095248	21	7 2.8	20.7
287997 2003 UT_{190}	17.1	X	115.83396	286.66219	62.49969	3.95986	0.2494470	0.23602869	2.5931413	21	—	—
287998 2003 UX_{190}	16.1	X	62.88642	233.77363	156.70765	3.90681	0.1812773	0.17618392	3.1513154	21	—	—
287999 2003 UK_{191}	17.7	X	145.56232	194.88692	172.77793	4.43713	0.2183754	0.29815144	2.2191063	21	1 28.7	20.6
288000 2003 UW_{191}	16.8	X	82.17483	49.48442	338.72113	3.85752	0.2003245	0.23433721	2.6056048	21	—	—