

STATUS OF MINOR PLANET OBSERVATIONS (CRITICAL LIST)

List of planets not observed since 2011  
or observed in less than four oppositions

№	Number of observed oppositions	Year of last observations	№	Number of observed oppositions	Year of last observations	№	Number of observed oppositions	Year of last observations
944	>5	2010	79983	4	2004	156851	>5	2011
1865	>5	2011	80806	>5	2008	159578	>5	2011
1915	>5	2004	82155	>5	2010	159928	4	2007
2608	>5	2010	82157	5	2008	160091	4	2007
3362	>5	2004	82158	>5	2007	160147	>5	2008
4544	>5	2010	84719	>5	2008	160148	4	2007
4688	4	2011	85585	4	2003	160256	4	2007
5145	>5	2009	85627	>5	2007	161999	4	2010
5335	2	1992	85633	>5	2007	162015	>5	2003
5590	>5	1996	85640	>5	2008	162117	5	2008
7066	>5	2004	86047	5	2006	162183	>5	2009
7336	5	2010	86450	>5	2005	162214	3	2007
8405	>5	2011	87269	5	2006	162416	2	2005
9767	>5	2010	87555	>5	2009	162695	3	2004
10370	>5	2010	88267	5	2005	162698	4	2006
11885	4	2011	88268	4	2004	162740	3	2005
14402	>5	2009	88269	5	2006	162903	5	2010
14827	3	2005	91133	4	2001	162922	4	2007
15504	4	2000	91554	>5	2009	162926	3	2007
15788	>5	2008	95625	4	2006	162979	5	2007
15789	>5	2009	98943	>5	2007	163015	4	2007
15809	>5	2001	101869	>5	2008	163067	2	2005
15820	>5	2009	118379	4	2005	163070	4	2011
15875	>5	2008	118698	5	2006	163295	3	2009
16684	>5	2001	118702	5	2008	163348	5	2011
19299	>5	2008	119066	4	2005	163412	4	2011
19308	>5	2003	119067	>5	2007	163667	3	2007
19521	>5	2007	119068	4	2005	164211	3	2016
20086	4	2011	119069	>5	2008	164215	4	2010
20108	5	2008	119070	4	2005	164341	3	2007
20161	5	2008	119315	5	2006	164342	3	2007
20255	3	2014	120061	>5	2011	168044	>5	2009
20425	4	2005	120181	>5	2010	168318	4	2008
20461	3	2000	120347	>5	2010	168700	5	2007
24952	5	2008	121725	5	2006	168703	>5	2011
24978	>5	2007	123509	>5	2008	169071	4	2007
26181	>5	2008	126155	5	2008	169797	5	2011
26308	>5	2010	126619	5	2008	170591	5	2011
26310	3	2001	127546	>5	2011	171328	>5	2011
26375	>5	2008	129746	4	2006	172678	2	2007
26379	>5	2008	130391	5	2007	173232	3	2008
26817	3	2015	131695	5	2007	174275	5	2010
29981	>5	2009	133067	5	2011	175113	>5	2010
31662	>5	2009	134568	4	2006	178679	>5	2011
31669	>5	2010	135182	>5	2008	179806	3	2008
31824	>5	2009	135571	4	2006	181708	>5	2008
32929	>5	2008	135742	4	2006	181855	>5	2008
33128	>5	2008	136564	5	2011	181874	5	2008
35670	4	2002	136620	>5	2011	181902	4	2007
38083	>5	2008	136770	4	2011	182223	5	2008
38084	>5	2010	136818	>5	2008	182294	>5	2008
42301	>5	2008	137294	>5	2007	182397	5	2007
45802	4	2002	138628	>5	2008	182933	>5	2008
48639	>5	2008	138727	5	2009	182934	>5	2011
49036	>5	2005	138877	5	2009	183595	5	2008
52747	>5	2004	138971	>5	2011	183964	>5	2008
52975	5	2008	139775	>5	2010	184212	5	2008
53429	3	2002	140333	>5	2007	184266	4	2011
54509	>5	2005	141424	>5	2007	184314	4	2008
54520	4	2002	141614	>5	2008	187026	>5	2011
55408	>5	2010	143643	4	2009	187661	>5	2008
55576	>5	2007	143685	>5	2008	187985	5	2009
60454	5	2006	143751	4	2006	188349	5	2011
60621	5	2007	143991	4	2006	188860	5	2011
63252	4	2003	144908	3	2007	190543	4	2008
65407	3	2004	148780	>5	2008	191094	4	2008
65679	>5	2011	149348	>5	2008	192559	4	2008
66063	>5	2010	149560	4	2006	196068	>5	2011
66452	>5	2007	152563	5	2011	197905	5	2011
68347	4	2004	152680	5	2011	199003	4	2008
69986	5	2008	152685	>5	2011	199801	5	2009
69988	5	2008	154019	4	2005	202683	>5	2011
69990	5	2005	154020	>5	2008	207736	>5	2011
76803	>5	2008	154783	4	2005	207945	>5	2011
78799	>5	2008	155338	4	2007	208023	4	2009

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209215	>5	2009	266662	4	2011	300147	5	2011
210519	>5	2010	267906	4	2011	300239	4	2011
211914	>4	2009	267940	>5	2011	300329	>5	2011
215167	>5	2011	268299	>5	2011	300483	>5	2011
215442	5	2010	268841	5	2011	300656	5	2011
215445	>5	2010	269525	4	2011	300746	4	2011
216115	>5	2011	269641	>5	2011	300869	5	2011
216258	>4	2009	271543	>5	2011	300878	>5	2011
217390	>5	2011	271961	4	2011	301011	4	2011
217683	5	2009	272710	5	2011	301569	>5	2011
220164	5	2011	275553	>5	2011	301709	4	2011
222008	4	2010	275874	4	2011	301844	>5	2011
222484	4	2009	275975	>5	2011	301907	5	2011
224484	5	2011	276331	4	2011	302098	4	2011
226198	5	2010	276901	4	2011	302831	>5	2011
226514	>5	2011	277419	4	2011	302871	4	2011
226554	>5	2011	277473	>5	2011	302927	4	2011
227277	>4	2009	278144	5	2011	303260	5	2011
228283	>5	2009	278201	4	2011	303741	4	2011
228502	>5	2010	278338	5	2011	303775	>5	2011
230118	4	2010	279138	4	2011	303912	4	2011
230420	3	2010	279376	5	2011	303921	4	2011
230549	5	2010	279825	>5	2011	303933	>5	2011
230599	5	2010	280490	4	2011	304088	4	2011
234145	4	2010	280491	5	2011	304232	4	2011
234189	5	2011	281070	>5	2011	304297	5	2011
235023	5	2011	282548	5	2011	304692	4	2011
236716	5	2010	283317	>5	2011	304705	5	2011
237838	5	2011	283324	5	2011	305512	4	2011
239849	4	2010	283457	>5	2011	305543	4	2011
240210	>5	2011	283550	4	2011	306040	4	2011
240835	5	2011	283780	>5	2011	306055	4	2011
241097	5	2010	283793	>5	2011	306078	4	2011
242187	4	2010	283848	4	2011	306111	5	2011
242572	5	2011	283907	4	2011	306523	5	2011
242728	>5	2010	284256	4	2011	306711	>5	2011
242871	>5	2010	284353	>5	2011	306792	5	2009
243020	>5	2011	284422	3	2015	306930	4	2011
244316	>5	2011	285270	4	2011	307005	4	2011
244698	>5	2011	285567	4	2011	307251	>5	2009
245771	4	2010	285580	4	2011	307261	>5	2010
246095	5	2011	286005	5	2011	307538	4	2010
247788	5	2011	286080	5	2005	307616	>5	2010
248363	4	2010	286970	4	2011	308306	5	2011
248575	5	2011	287103	5	2010	308460	5	2010
249597	>5	2011	287904	5	2010	308592	4	2011
249672	5	2011	288101	4	2011	308597	4	2011
250577	>5	2011	288592	5	2008	308607	4	2009
250680	>5	2011	289322	>5	2011	308635	3	2011
250908	>5	2011	290841	5	2011	308933	5	2010
250950	>5	2010	291117	5	2010	309002	4	2011
251539	5	2010	291409	5	2010	309084	4	2011
252050	5	2010	292256	4	2011	309139	>5	2011
252091	4	2011	292451	4	2011	309146	>5	2011
252558	5	2010	292775	4	2011	309152	4	2011
254172	5	2010	293048	5	2011	309214	4	2010
255343	5	2011	293662	>5	2011	309239	>5	2010
255501	5	2010	293795	>5	2011	310263	>5	2011
255574	4	2010	294112	>5	2011	310898	5	2011
255581	4	2010	294149	5	2011	310935	5	2011
256065	4	2011	294780	>5	2011	310994	5	2011
256551	>5	2010	296516	5	2010	311932	5	2011
258905	>5	2011	297232	>5	2011	311975	4	2011
259019	4	2010	297591	4	2011	312167	5	2011
259802	4	2011	298401	>5	2011	312899	5	2011
261147	4	2010	298786	>5	2011	320001	>5	2011
263518	4	2010	298844	4	2011	325395	3	2012
263536	5	2011	299317	4	2011	329395	3	2012
264292	>5	2011	299709	4	2011	331990	3	2012
264357	4	2011	299777	4	2011	333068	4	2011
264993	>5	2011	299876	4	2011	337558	3	2013
265482	4	2011	299923	5	2011	337572	3	2013
265561	4	2011	299984	4	2011	341843	3	2010
266083	5	2011	299994	5	2011	348179	4	2011
266097	4	2011	300000	5	2011	351016	3	2013

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353678	4	2011	420262	3	2015	451397	3	2015
357005	3	2013	420286	2	2014	452313	3	2016
358471	3	2013	422699	3	2015	452314	3	2015
363067	5	2011	425250	3	2014	452334	3	2015
363325	>5	2011	425450	3	2015	452397	3	2016
367789	3	2013	425713	3	2015	452421	3	2016
367943	2	2013	428209	3	2015	452561	3	2015
368153	4	2008	428681	3	2016	453100	3	2016
371797	5	2011	429382	3	2015	453309	3	2016
377732	3	2014	429389	2	2015	453563	3	2016
378810	4	2011	429584	3	2015	454078	3	2015
380929	3	2013	429746	3	2015	454100	3	2015
389694	3	2015	430544	3	2015	454266	3	2016
407324	3	2014	430802	3	2015	455514	4	2011
408751	3	2014	431760	3	2015	455659	3	2016
409266	3	2014	432509	3	2015	455795	3	2016
409342	3	2015	432655	3	2015	455956	3	2016
409934	3	2015	434096	3	2015	456051	2	2016
410088	3	2015	434154	3	2015	456247	4	2011
410195	3	2015	436035	3	2015	456863	3	2016
410649	3	2014	436329	2	2015	456946	3	2016
410650	3	2014	436724	3	2015	457212	3	2016
410778	2	2014	436761	3	2015	457647	3	2016
410832	3	2014	436763	3	2015	457662	3	2016
411280	3	2014	436764	3	2015	458135	3	2016
411611	3	2015	436774	3	2015	458375	3	2016
413021	3	2014	437316	2	2015	458436	2	2016
413038	3	2015	438430	3	2015	458452	3	2016
413123	3	2015	438902	2	2014	458723	3	2016
413421	3	2015	438908	2	2015	458732	2	2016
414287	2	2015	439437	3	2015	458745	3	2016
414746	3	2014	441304	3	2015	458964	3	2016
414960	3	2015	441641	3	2015	459119	3	2016
415027	3	2014	442037	2	2015	459200	3	2015
415267	3	2014	442243	3	2016	459386	3	2016
415794	3	2014	442523	3	2015	459458	3	2016
416032	3	2015	442559	3	2016	459462	3	2016
416584	3	2014	443103	2	2016	459683	3	2016
416675	3	2015	443104	3	2015	459872	2	2016
416680	3	2015	444185	3	2015	462238	3	2016
416694	3	2014	444935	3	2015	462329	3	2016
416804	2	2014	445267	3	2015	463216	3	2016
417167	3	2015	445974	3	2015	463360	3	2016
417419	3	2015	447755	3	2015	463380	3	2016
417634	3	2015	447977	3	2015	463387	3	2016
417816	3	2014	448628	3	2015	463664	2	2016
417871	3	2014	448721	3	2015			
418265	3	2014	449089	3	2015			
418846	3	2015	450160	3	2016			
418900	3	2015	450237	3	2015			
419829	3	2015	450259	3	2015			
419880	2	2015	451124	3	2015			
419922	3	2015	451157	3	2015			
420187	3	2014	451297	3	2015			
420210	2	2015	451370	2	2015			