



(Modified and updated from the OSIRIS-REx Target Asteroids! website at <https://www.asteroidmission.org>) May 2021

## Target NEOs! Asteroid List

### Cumulative List as of January 2021

142 objects

Format for easy import into  
observation planning programs:

#### Official name

(1) Ceres  
(12) Victoria  
(19) Fortuna  
(47) Aglaja  
(55) Pandora  
(62) Erato  
(94) Aurora  
(112) Iphigenia  
(142) Polana  
(163) Erigone  
(223) Rosa  
(268) Adorea  
(335) Roberta  
(379) Huenna  
(442) Eichsfeldia  
(447) Valentine  
(495) Eulalia  
(535) Montague  
(532) Herculina  
(578) Happendia  
(635) Vundtia  
(972) Cohnia  
(1197) Rhodesia  
(1241) Dysona  
(1257) Mora  
(1439) Vogtia  
(1566) Icarus  
(1580) Betulia  
(2026) Cottrell  
(2340) Hathor  
(3064) Zimmer  
(3122) Florence  
(3200) Phaethon

#### # desig

#### Name

1 Ceres  
12 Victoria  
19 Fortuna  
47 Aglaja  
55 Pandora  
62 Erato  
94 Aurora  
112 Iphigenia  
142 Polana  
163 Erigone  
223 Rosa  
268 Adorea  
335 Roberta  
379 Huenna  
442 Eichsfeldia  
447 Valentine  
495 Eulalia  
535 Montague  
532 Herculina  
578 Happendia  
635 Vundtia  
972 Cohnia  
1197 Rhodesia  
1241 Dysona  
1257 Mora  
1439 Vogtia  
1566 Icarus  
1580 Betulia  
2026 Cottrell  
2340 Hathor  
3064 Zimmer  
3122 Florence  
3200 Phaethon

# Target NEOs! Asteroid List



(3361) Orpheus		3361 Orpheus
(3691) Bede		3691 Bede
(4055) Magellan		4055 Magellan
(4179) Toutatis		4179 Toutatis
(4219) Nakamura		4219 Nakamura
(5604) 1992 FE		5604 1992 FE
(7350) 1993 VA		7350 1993 VA
(7753) 1988 XB		7753 1988 XB
(7888) 1993 UC		7888 1993 UC
(8014) 1990 MF		8014 1990 MF
(25143) Itokawa		25143 Itokawa
(25308) 1998 XW82		25308 1998 XW82
(33342) 1998 WT24		33342 1998 WT24
(52760) 1998 ML14		52760 1998 ML14
(52381) 1993 HA		52381 1993 HA
(65717) 1993 BX3		65717 1993 BX3
(68267) 2001 EA16		68267 2001 EA16
(68278) 2001 FC7	was OSIRIS-REx finalist	68278 2001 FC7
(69346) 1993 TV32		69346 1993 TV32
(85275) 1994 LY		85275 1994 LY
(85989) 1999 JD6		85989 1999 JD6
(89136) 2001 US16		89136 2001 US16
(99799) 2002 LJ3		99799 2002 LJ3
(101955) Bennu	<b>OSIRIS-REx Target</b>	101955 Bennu
(136635) 1994 VA1		136635 1994 VA1
(137032) 1998 UO1		137032 1998 UO1
(137126) 1999 CF9		137126 1999 CF9
(137799) 1999 YB		137799 1999 YB
(138911) 2001 AE2		138911 2001 AE2
(141018) 2001 WC47		141018 2001 WC47
(141527) 2002 FG7		141527 2002 FG7
(143404) 2003 BD44		143404 2003 BD44
(144411) 2004 EW9		144411 2004 EW9
(154275) 2002 SR41		154275 2002 SR41
(159402) 1999 AP10		159402 1999 AP10
(163000) 2001 SW169		163000 2001 SW169
(163249) 2002 GT		163249 2002 GT
(163364) 2002 OD20		163364 2002 OD20
(164221) 2004 QE20		164221 2004 QE20
(173664) 2001 JU2		173664 2001 JU2
(175114) 2004 QQ		175114 2004 QQ
(187040) 2005 JS108		187040 2005 JS108

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(190491) 2000FJ	190491	2000FJ
(204131) 2004 YL	204131	2004 YL
(206378) 2003 RB	206378	2003 RB
(214088) 2004 JN13	214088	2004 JN13
(242450) 2004 QY2	242450	2004 QY2
(242708) 2005 UK1	242708	2005 UK1
(243566) 1995 SA	243566	1995 SA
(246566) 2008 SQ194	246566	2008 SQ194
(251346) 2007 SJ	251346	2007 SJ
(275677) 2000 RS11	275677	2000 RS11
(275976) 2001 XV10	275976	2001 XV10
(276049) 2002 CE26	276049	2002 CE26
(277475) 2005 WK4	277475	2005 WK4
(277570) 2005 YP180	277570	2005 YP180
(285263) 1998 QE2	285263	1998 QE2
(285944) 2001 RZ11	285944	2001 RZ11
(292220) 2006 SU49	292220	2006 SU49
(294739) 2008 CM	294739	2008 CM
(303450) 2005 BY2	303450	2005 BY2
(307564) 2003 FQ6	307564	2003 FQ6
(311925) 2007 BF72	311925	2007 BF72
(341050) 2007 HZ	341050	2007 HZ
(348306) 2005 AY28	348306	2005 AY28
(350713) 2001 XP88	350713	2001 XP88
(357024) 1999 YR14	357024	1999 YR14
(357439) 2004 BL86	357439	2004 BL86
(360191) 1988 TA	360191	1988 TA
(363305) 2002 NV16	363305	2002 NV16
(367943) Duende (2012 DA14)	367943	Duende
(371660) 2007 CN26	371660	2007 CN26
(380128) 1997 WB21	380128	1997 WB21
(381806) 2010 CL19	381806	2010 CL19
(382745) 2003 CC	382745	2003 CC
(382758) 2003 GY	382758	2003 GY
(387733) 2003 GS	387733	2003 GS
(410649) 2008 SO	410649	2008 SO
(412983) 1996 FO3	412983	1996 FO3
(416186) 2002 TD60	416186	2002 TD60
(424482) 2008 DG5	424482	2008 DG5
(426407) 2013 PL69	426407	2013 PL69
(433953) 1997 XR2	433953	1997 XR2
(436724) 2011 UW158	436724	2011 UW158

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(451157) 2009 SQ104		451157	2009 SQ104
(452807) 2006 KV89		452807	2006 KV89
(455148) 1994 UG		455148	1994 UG
(455415) 2003 GA		455415	2003 GA
(457663) 2009 DN1		457663	2009 DN1
(458375) 2010 WY8		458375	2010 WY8
(468005) 2012 XD112		468005	2012 XD112
(482566) 2012 WK4		482566	2012 WK4
1994 CJ1		1994 CJ1	1994 CJ1
2001 QC34		2001 QC34	2001 QC34
2006 YF		2006 YF	2006 YF
2007 TK8		2007 TK8	2007 TK8
2008 WN2		2008 WN2	2008 WN2
2010 AF30		2010 AF30	2010 AF30
2011 JR13		2011 JR13	2011 JR13
2012 QG42		2012 QG42	2012 QG42
2012 TF53		2012 TF53	2012 TF53
2012 XM55		2012 XM55	2012 XM55
2012 XS93		2012 XS93	2012 XS93
2013 NJ		2013 NJ	2013 NJ
2013 WF108		2013 WF108	2013 WF108
2014 MK55		2014 MK55	2014 MK55
2014 SC324		2014 SC324	2014 SC324
2015 JF11		2015 JF11	2015 JF11
C/2013 UQ4 Catalina	comet	C/2013 UQ4 Catalina	C/2013 UQ4 Catalina

- Asteroid designations may contain one to three labels based on the number of oppositions observed:
- Provisional designations include the year of discovery, a letter signifying the half-month period, and a letter in order of discovery during that period (example: 2008 WN2).
- Permanent designation is a number assigned after the object has been observed for at least four oppositions (example: (163249) 2002 GT).
- Name may be submitted by the discoverer up to 10 years after a number has been assigned or the person may give permission to someone else to submit a name to the IAU Committee for Small-Body Nomenclature (example: (3361) Orpheus).
- Family Definitions: Apollo semi-major axis > 1.0 AU perihelion distance < 1.017 AU; Aten semi-major axis > 1.0 AU aphelion distance > 0.983 AU; Amor semi-major axis > 1.017 AU and < 1.3 AU.
- PHA = Potentially Hazardous Asteroid