



# ASTEROIDES

MARZO/ABRIL 2013

por Josep Julià

## APROXIMACIONES A LA TIERRA

Objeto	Nombre	Fecha	Dist. UA	Arco Órbita
	2000 ED14	2013 Mar.	12.44 0.149879	2 oppositions, 2000-2013
	2012 BD14	2013 Mar.	12.77 0.171943	1-opposition, arc = 10 days
	2012 SX49	2013 Mar.	13.39 0.146810	1-opposition, arc = 2 days
	2009 SC15	2013 Mar.	13.86 0.081500	3 oppositions, 2002-2013
	2005 ES70	2013 Mar.	14.52 0.05688	3 oppositions, 2005-2011
	2013 CW35	2013 Mar.	15.46 0.174487	1-opposition, arc = 20 days
	2009 EG1	2013 Mar.	15.53 0.05391	1-opposition, arc = 17 days
	2013 DG	2013 Mar.	16.24 0.060846	1-opposition, arc = 4 days
	2011 EE51	2013 Mar.	16.26 0.05414	1-opposition, arc = 4 days
	2012 VO6	2013 Mar.	18.27 0.107718	1-opposition, arc = 93 days
	2008 EY5	2013 Mar.	20.05 0.083240	5 oppositions, 2008-2012
(7888)	1993 UC	2013 Mar.	20.07 0.125982	12 oppositions, 1989-2012
	2002 JW15	2013 Mar.	20.11 0.155950	5 oppositions, 1996-2013
	2008 EQ7	2013 Mar.	20.83 0.182975	2 oppositions, 2008-2013
	2010 SE	2013 Mar.	20.93 0.07206	1-opposition, arc = 2 days
	2008 EG9	2013 Mar.	21.21 0.08477	1-opposition, arc = 1 days
	2012 FK15	2013 Mar.	22.11 0.082431	1-opposition, arc = 1 days
	2012 FM35	2013 Mar.	23.45 0.088613	1-opposition, arc = 24 days
	2003 FY6	2013 Mar.	23.91 0.05391	2 oppositions, 2003-2008
	2008 SE85	2013 Mar.	25.16 0.101800	2 oppositions, 2008-2012
	2005 EF	2013 Mar.	26.22 0.177362	3 oppositions, 2005-2013
	2006 KY86	2013 Mar.	27.15 0.194147	2 oppositions, 2006-2013
(96315)	1997 AP10	2013 Mar.	28.20 0.117828	12 oppositions, 1997-2012
	1998 KG3	2013 Mar.	29.52 0.129423	4 oppositions, 1998-2012
	2012 EH5	2013 Apr.	1.33 0.153885	1-opposition, arc = 18 days
(4034)	Vishnu	2013 Apr.	1.96 0.152772	13 oppositions, 1986-2012
	1999 GR6	2013 Apr.	6.53 0.173341	1-opposition, arc = 35 days
	2011 SC25	2013 Apr.	7.40 0.07602	1-opposition, arc = 4 days
	2012 XO111	2013 Apr.	9.91 0.196448	1-opposition, arc = 52 days
	2002 TR190	2013 Apr.	10.25 0.111520	2 oppositions, 2002-2013
	2010 GM23	2013 Apr.	11.62 0.02813	1-opposition, arc = 5 days
	2012 VH5	2013 Apr.	11.64 0.196433	1-opposition, arc = 17 days
	2003 EO16	2013 Apr.	21.00 0.183678	4 oppositions, 2003-2013
	2009 SQ104	2013 Apr.	22.31 0.071392	2 oppositions, 2009-2013
	2012 XF55	2013 Apr.	22.77 0.084049	1-opposition, arc = 62 days
	2012 HP13	2013 Apr.	23.80 0.115151	1-opposition, arc = 5 days
	2000 UY33	2013 Apr.	27.92 0.1490	2 oppositions, 2000-2007
	2005 NZ6	2013 Apr.	29.49 0.06404	4 oppositions, 2005-2010
	2010 FM	2013 Apr.	30.31 0.126077	1-opposition, arc = 6 days

La mayoría de éstos asteroides suelen tener pocas observaciones, lo que se traduce en órbitas con un elevado grado de incertidumbre. Por ello, es recomendable obtener las efemérides actualizadas en:

<http://www.minorplanetcenter.org/iau/MPEph/MPEph.html>



### ASTEROIDES BRILLANTES

Efemérides de los asteroides más brillantes (mag.  $\leq 11$ ; elongación  $\leq 90$ ) obtenidas para el día 15 de cada mes a las 00:00h TU.

#### MARZO

NOMBRE	MAG.	COORDENADAS	CONST.
(1) Ceres	8.5	05h34m00.95s +28 26' 45.0"	Tau
(6) Hebe	10.8	16h40m14.51s -04 36' 12.2"	Oph
(9) Metis	10.3	06h39m43.33s +29 02' 59.2"	Aur
(13) Egeria	10.8	08h45m41.68s +42 33' 25.0"	Lyn
(14) Irene	9.0	12h28m53.89s +15 05' 15.5"	Com
(15) Eunomia	9.7	11h23m32.13s -13 00' 05.8"	Crt
(26) Proserpina	11.0	13h08m12.92s -03 27' 18.9"	Vir
(27) Euterpe	10.5	13h43m46.49s -08 02' 24.1"	Vir
(29) Amphitrite	9.2	11h29m58.69s +03 57' 21.8"	Leo
(39) Laetitia	10.7	13h08m22.32s +01 16' 27.1"	Vir
(40) Harmonia	10.3	13h04m39.16s +00 49' 49.8"	Vir
(63) Ausonia	10.8	10h39m14.02s +07 13' 27.0"	Leo
(230) Athamantis	10.8	10h40m12.00s -07 26' 41.7"	Sex

#### ABRIL

NOMBRE	MAG.	COORDENADAS	CONST.
(6) Hebe	10.3	16h45m03.64s -01 38' 49.7"	Oph
(14) Irene	9.4	12h04m11.19s +16 27' 50.6"	Com
(15) Eunomia	10.1	11h00m50.64s -10 16' 55.5"	Crt
(16) Psyche	10.9	15h29m08.19s -14 38' 37.5"	Lib
(25) Phocaea	10.9	16h04m07.12s -13 12' 03.6"	Sco
(26) Proserpina	10.8	12h42m34.07s -01 24' 17.4"	Vir
(27) Euterpe	10.0	13h16m48.77s -05 20' 15.1"	Vir
(29) Amphitrite	10.0	11h06m33.76s +05 10' 38.6"	Leo
(39) Laetitia	10.6	12h46m02.60s +04 59' 39.4"	Vir
(40) Harmonia	10.2	12h36m12.75s +03 49' 07.1"	Vir
(409) Aspasia	10.7	13h20m27.69s -20 52' 21.8"	Vir