



ASTEROIDES

NOVIEMBRE/DESEMBRE 2015

por Josep Julià

APROXIMACIONES A LA TIERRA

Objeto	Nombre	Fecha	Dist. UA	Arco Órbita
	2015 SC17	2015 Nov. 1.45	0.078054	1-opposition, arc = 43 days
	2015 TD145	2015 Nov. 2.68	0.111487	1-opposition, arc = 12 days
	2015 TG238	2015 Nov. 4.51	0.186501	1-opposition, arc = 12 days
	2011 ET74	2015 Nov. 4.51	0.04653	1-opposition, arc = 30 days
	2015 TD179	2015 Nov. 4.75	0.027068	1-opposition, arc = 11 days
	2002 XY38	2015 Nov. 6.21	0.08281	2 oppositions, 2002-2010
	2013 VW4	2015 Nov. 6.47	0.152055	1-opposition, arc = 6 days
	2015 TM143	2015 Nov. 7.44	0.068969	1-opposition, arc = 11 days
	2015 TL143	2015 Nov. 7.58	0.066028	1-opposition, arc = 4 days
	2008 VA15	2015 Nov. 7.73	0.074953	2 oppositions, 2008-2015
	2012 HG8	2015 Nov. 9.63	0.192445	2 oppositions, 2012-2015
	1999 TT16	2015 Nov. 10.10	0.03847	1-opposition, arc = 24 days
	2008 WQ2	2015 Nov. 10.73	0.05121	1-opposition, arc = 2 days
	2014 JD15	2015 Nov. 10.80	0.066898	1-opposition, arc = 7 days
(138852)	2000 WN10	2015 Nov. 11.47	0.125893	14 oppositions, 2000-2013
	2010 XC15	2015 Nov. 11.89	0.150761	2 oppositions, 2010-2012
	2000 WP19	2015 Nov. 16.58	0.05862	2 oppositions, 2000-2004
	2012 LA11	2015 Nov. 17.29	0.067839	2 oppositions, 2012-2013
	2009 WP6	2015 Nov. 17.34	0.03092	1-opposition, arc = 2 days
	2005 UL5	2015 Nov. 20.18	0.015284	5 oppositions, 2005-2014
	2002 VV17	2015 Nov. 20.72	0.158218	7 oppositions, 1992-2015
	2005 UJ6	2015 Nov. 21.21	0.158049	3 oppositions, 2005-2015
	2005 EW169	2015 Nov. 22.71	0.094012	2 oppositions, 2005-2015
	2012 VB5	2015 Nov. 23.49	0.127606	1-opposition, arc = 3 days
	2015 RQ82	2015 Nov. 24.06	0.073863	1-opposition, arc = 43 days
	2011 YS62	2015 Nov. 24.70	0.091452	2 oppositions, 2011-2015
	2009 WB105	2015 Nov. 25.74	0.03891	opposition, arc = 4 days
	2011 WN69	2015 Nov. 26.44	0.007897	1-opposition, arc = 3 days
	2010 YC1	2015 Nov. 27.12	0.194794	2 oppositions, 2010-2013
	2004 BG41	2015 Nov. 27.40	0.07705	3 oppositions, 2004-2011
	2012 XA133	2015 Nov. 27.59	0.117272	1-opposition, arc = 24 days
	2010 XA25	2015 Nov. 27.88	0.01438	1-opposition, arc = 6 days
	2011 HJ7	2015 Nov. 27.93	0.08858	2 oppositions, 2011-2012
	2015 LE21	2015 Nov. 28.15	0.112568	1-opposition, arc = 30 days
	2007 EA26	2015 Nov. 29.52	0.111461	2 oppositions, 2007-2015
	1999 VN6	2015 Nov. 30.80	0.186459	4 oppositions, 1999-2015
	2014 WM7	2015 Dec. 1.74	0.079573	1-opposition, arc = 8 days
(52381)	2005 XT77	2015 Dec. 2.70	0.167853	2 oppositions, 2005-2012
	1993 HA	2015 Dec. 3.49	0.175518	7 oppositions, 1993-2012
	2014 XX39	2015 Dec. 3.98	0.025174	1-opposition, arc = 1 days
	2008 FK	2015 Dec. 4.12	0.06713	1-opposition, arc = 4 days
	2011 WN15	2015 Dec. 5.55	0.082856	2 oppositions, 2011-2013
	2015 SV2	2015 Dec. 5.66	0.098966	1-opposition, arc = 36 days
	2010 TK7	2015 Dec. 5.93	0.198342	3 oppositions, 2010-2012
	2015 KS120	2015 Dec. 6.87	0.147253	1-opposition, arc = 20 days
	2013 RZ53	2015 Dec. 7.00	0.085328	1-opposition, arc = 3 days
	2010 XF64	2015 Dec. 7.13	0.019350	1-opposition, arc = 0 days
	2006 KV89	2015 Dec. 9.59	0.149999	3 oppositions, 2006-2011
	2011 YW10	2015 Dec. 9.74	0.06540	1-opposition, arc = 9 days
(33342)	2012 XT111	2015 Dec. 9.97	0.074216	1-opposition, arc = 7 days
	1998 WT24	2015 Dec. 11.55	0.027994	4 oppositions, 1998-2012
	2013 AV60	2015 Dec. 16.69	0.138732	2 oppositions, 2013-2015
	2015 HP116	2015 Dec. 18.00	0.003537	1-opposition, arc = 2 days
	2015 MW53	2015 Dec. 18.67	0.046302	1-opposition, arc = 31 days
	2008 WM64	2015 Dec. 21.39	0.114402	5 oppositions, 2008-2014
	1995 YR1	2015 Dec. 23.78	0.04346	3 oppositions, 1995-2009
(163899)	2003 SD220	2015 Dec. 24.55	0.072969	7 oppositions, 2000-2012
	2011 YD29	2015 Dec. 25.00	0.02246	1-opposition, arc = 3 days
	2010 YO	2015 Dec. 25.73	0.09550	1-opposition, arc = 6 days
	2003 YL118	2015 Dec. 25.80	0.095099	3 oppositions, 2003-2014
	2002 AC5	2015 Dec. 26.57	0.072149	3 oppositions, 2002-2009

(310442)	2000 CH59	2015 Dec.	26.73	0.07073	4 oppositions, 2000-2012
	2014 SM1	2015 Dec.	27.03	0.183675	1-opposition, arc = 9 days
	2001 WR5	2015 Dec.	28.37	0.09502	1-opposition, arc = 84 days
(294739)	2008 CM	2015 Dec.	29.01	0.058459	5 oppositions, 2008-2013
	2012 V07	2015 Dec.	29.25	0.152554	1-opposition, arc = 81 days
	2011 YE40	2015 Dec.	30.98	0.03087	1-opposition, arc = 2 days
	2015 KA	2015 Dec.	31.07	0.173014	1-opposition, arc = 24 days
	2011 YX62	2015 Dec.	31.72	0.06742	1-opposition, arc = 3 days

Fuente: MPC

Datos actualizados a 02/11/15

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.net/iau/MPEph/MPEph.html>

ASTEROIDES BRILLANTES

Las efemérides de los asteroides más brillantes en:

<http://www.heavens-above.com/Asteroids.aspx>

que corresponde a la fantástica web Heavens-above.

CONTRAPORTADA-SECUENCIA del eclipse de LUNA

LA CONTRA DE ESTE NÚMERO LA OCUPA OTRA MAGNÍFICA SECUENCIA del eclipse LUNAR, ESTA VEZ REALIZADA POR NUESTRO COMPAÑERO ALBERT CAPELL desde SANT POL DE MAR (BARCELONA). SE APRECIA PERFECTAMENTE TODAS LAS FASES del mismo (parcialidad y totalidad). Usó PARA ELLO UNA CANON EOS 60Da ACOPLADA A FOCO DIRECTO DE UN TELESCOPIO EQUINOX 80ED A F/6.25. MÁS INFORMACIÓN EN EL ENLACE: <http://www.planisferi.cat/index.php/36-CATEGORIES/SISTEMA-SOLAR/LLUNA/128-eclipsi-TOTAL-DE-LLUNA-DEL-28-DE-SETEMBRE-DEL-2015-ALBERT-CAPELLBRUGUES-SANT-POL-DE-MAR-CATALUNYA>

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