

MPEC 2008-Y29 : 2008 YJ2

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M.P.E.C. 2008-Y29

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2008 YJ2

Observations:

K08Y02J*	C2008	12	20.14664	01	19	43.03	+23	29	18.0	19.6	EY029704
K08Y02J	C2008	12	20.15959	01	19	34.39	+23	30	42.8	19.6	EY029704
K08Y02J	C2008	12	20.17268	01	19	25.63	+23	32	08.4	19.6	EY029704
K08Y02J	C2008	12	20.18583	01	19	16.88	+23	33	34.4	19.7	EY029704
K08Y02J	C2008	12	21.06003	01	09	43.67	+25	09	11.3	19.2	EY029704
K08Y02J	C2008	12	21.08543	01	09	26.26	+25	11	56.7	19.3	EY029704
K08Y02J	C2008	12	21.09669	01	09	18.75	+25	13	10.7	19.3	V EY029G96
K08Y02J	C2008	12	21.09712	01	09	18.46	+25	13	13.3	19.3	V EY029G96
K08Y02J	C2008	12	21.09754	01	09	18.18	+25	13	16.1	19.3	V EY029G96
K08Y02J	C2008	12	21.09795	01	09	17.89	+25	13	18.7	19.3	V EY029G96
K08Y02J	C2008	12	21.09822	01	09	17.49	+25	13	20.6	19.2	EY029704
K08Y02J	C2008	12	21.10847	01	09	10.43	+25	14	26.2	18.9	R EY029H01
K08Y02J	C2008	12	21.11058	01	09	09.00	+25	14	39.7	18.8	R EY029H01
K08Y02J	C2008	12	21.11088	01	09	08.74	+25	14	42.4	19.4	EY029704
K08Y02J	C2008	12	21.11478	01	09	06.10	+25	15	07.0	18.8	R EY029H01
K08Y02J	C2008	12	21.12127	01	09	01.64	+25	15	49.2	18.7	R EY029H01
K08Y02J	C2008	12	21.12307	01	09	00.41	+25	16	00.7	18.8	R EY029H01
K08Y02J	5C2008	12	21.12986	01	08	56.42	+25	16	44.7	19.1	R EY029673
K08Y02J	5C2008	12	21.13426	01	08	53.38	+25	17	13.0		EY029673
K08Y02J	5C2008	12	21.14259	01	08	47.65	+25	18	07.2		EY029673
K08Y02J	5C2008	12	21.15243	01	08	40.86	+25	19	10.2		EY029673
K08Y02J	C2008	12	21.15872701	08	35.93	+25	19	54.3	19.1	C	EY029648
K08Y02J	5C2008	12	21.16076	01	08	35.15	+25	20	04.3		EY029673
K08Y02J	C2008	12	21.16454901	08	31.95	+25	20	32.5	19.4	C	EY029648
K08Y02J	C2008	12	21.17255801	08	26.48	+25	21	24.5	19.3	C	EY029648
K08Y02J	tC2008	12	21.17421	01	08	25.49	+25	21	33.0	19.6	V EY029291
K08Y02J	C2008	12	21.17704	01	08	23.50	+25	21	51.8	19.3	R EY029854
K08Y02J	tC2008	12	21.17869	01	08	22.34	+25	22	02.8	19.1	V EY029291
K08Y02J	tC2008	12	21.18321	01	08	19.26	+25	22	30.6	19.2	V EY029291
K08Y02J	C2008	12	21.19222	01	08	13.08	+25	23	28.2	19.2	R EY029854
K08Y02J	C2008	12	21.74189	01	02	05.65	+26	22	18.4		EY029204
K08Y02J	C2008	12	21.74715	01	02	01.97	+26	22	52.1		EY029204
K08Y02J	C2008	12	21.75207	01	01	58.55	+26	23	23.5	18.8	R EY029204
K08Y02J	C2008	12	21.76059	01	01	53.28	+26	24	25.1	19.2	C EY029493

K08Y02J	C2008	12	21.76285	01	01	51.72	+26	24	39.4	18.9	C	EY029493
K08Y02J	C2008	12	21.76398	01	01	50.95	+26	24	46.6	18.9	C	EY029493
K08Y02J	C2008	12	21.83463	01	01	01.20	+26	32	09.8	18.9	R	EY029A24
K08Y02J	C2008	12	21.83629	01	01	00.07	+26	32	19.9	18.8	R	EY029A24
K08Y02J	C2008	12	21.83780	01	00	58.97	+26	32	28.6	18.8	R	EY029A24
K08Y02J	C2008	12	21.83875	01	00	58.36	+26	32	34.5	19.3	R	EY029587
K08Y02J	C2008	12	21.83973	01	00	57.61	+26	32	41.1	18.9	R	EY029A24
K08Y02J	C2008	12	21.84124	01	00	56.66	+26	32	50.4	18.8	R	EY029A24
K08Y02J	C2008	12	21.84160	01	00	56.39	+26	32	53.2	18.8	R	EY029587
K08Y02J	C2008	12	21.84260	01	00	55.76	+26	32	59.3	18.9	R	EY029A24
K08Y02J	C2008	12	21.84427	01	00	54.59	+26	33	10.3	18.9	R	EY029A24
K08Y02J	C2008	12	21.84470	01	00	54.24	+26	33	12.9	19.1	R	EY029587
K08Y02J	C2008	12	21.84577	01	00	53.50	+26	33	19.9	19.0	R	EY029A24
K08Y02J	C2008	12	21.84727	01	00	52.40	+26	33	28.9	18.9	R	EY029A24
K08Y02J	C2008	12	21.90069	01	00	15.33	+26	39	04.3	18.9	R	EY029473
K08Y02J	C2008	12	21.90347	01	00	13.38	+26	39	21.7	18.9	R	EY029473
K08Y02J	C2008	12	22.00275	00	59	09.10	+26	50	02.9	19.5	R	EY029H36
K08Y02J	C2008	12	22.01697	00	58	59.19	+26	51	34.6	19.3	R	EY029H36

Observer details:

204 Schiaparelli Observatory. Observer L. Buzzi. 0.60-m f/4.64 reflector + CCD.

291 LPL/Spacewatch II. Observer M. T. Read. 1.8-m f/2.7 reflector + CCD.

473 Remanzacco. Observers L. Donato, M. Gonano, V. Gonano, E. Guido, V. Santini, G. Sostero. 0.45-m f/4.4 Newtonian reflector + CCD.

493 Calar Alto. Observer F. Hormuth. 1.23-m reflector + CCD.

587 Sormano. Observers F. Manca, A. Testa. Measurer F. Manca. 0.5-m f/6.8 reflector + CCD.

648 Winer Observatory, Sonoita. Observers M. Trueblood, R. Crawford. Measurer R. Crawford. 0.5-m f/4.5 Newtonian reflector + CCD.

673 Table Mountain Observatory, Wrightwood. Observer J. Young. 0.61-m f/16 Cassegrain + CCD.

704 Lincoln Laboratory ETS, New Mexico. Observers M. Bezpalko, D. Torres, R. Kracke, G. Spitz, J. Kistler. Measurers J. Stuart, S. Scruggs. 1.0-m f/2.15 reflector + CCD.

854 Sabino Canyon Observatory, Tucson. Observer J. E. McGaha. 0.36-m f/10.0 Schmidt-Cassegrain + CCD.

A24 New Millennium Observatory, Mozzate. Observers E. Cozzi, D. Memoli. Measurer E. Cozzi. 0.36-m f/7.6 Schmidt-Cassegrain + CCD.

G96 Mt. Lemmon Survey. Observer R. E. Hill. Measurers E. C. Beshore, A. Boattini, G. J. Garradd, A. R. Gibbs, A. D. Grauer, R. E. Hill, R. A. Kowalski, S. M. Larson, R. H. McNaught. 1.5-m reflector + CCD.

H01 Magdalena Ridge Observatory, Socorro. Observer W. H. Ryan. 2.4-m f/8.9 reflector + CCD.

H36 Sandlot Observatory, Scranton. Observer G. Hug. 0.56-m reflector + CCD.

Orbital elements:

2008 YJ2 Earth MOID = 0.0879 AU

Epoch 2008 Nov. 30.0 TT = JDT 2454800.5 MPC

M 330.39849 (2000.0) P Q

n	0.41853339	Peri.	71.76175	-0.76686088	-0.50238571	
a	1.7700382	Node	76.28198	+0.31199627	-0.83564536	
e	0.5198829	Incl.	24.27671	+0.56087674	-0.22204827	
P	2.35	H	21.1	G	0.15	
					U	8

Residuals in seconds of arc

081220	704	0.1-	0.9+	081221	673	1.2+	0.4-	081221	A24	0.1+	1.0+
081220	704	0.3+	0.5+	081221	673	1.1+	0.2-	081221	A24	0.4+	0.6+
081220	704	0.3+	0.1+	081221	673	0.9+	0.9-	081221	A24	0.3-	0.2-
081220	704	0.9+	0.1-	081221	648	1.5-	0.7+	081221	587	0.5+	0.1-
081221	704	0.0	0.2+	081221	673	1.1+	0.6-	081221	A24	0.5-	0.1+
081221	704	0.4+	0.0	081221	648	1.2-	1.4+	081221	A24	0.8+	0.2-
081221	G96	0.2+	0.4-	081221	648	0.8-	1.8+	081221	587	0.6+	0.6+
081221	G96	0.3+	0.6-	081221	291	0.4+	0.2-	081221	A24	1.4+	0.1+
081221	G96	0.4+	0.6-	081221	854	0.3+	0.8+	081221	A24	1.2+	0.6+
081221	G96	0.3+	0.6-	081221	291	0.5-	0.8+	081221	587	0.6+	0.7+

081221 704	0.6+	0.8+	081221 291	0.2-	0.5-	081221 A24	0.6+	0.7+
081221 H01	0.0	0.0	081221 854	0.3+	0.3-	081221 A24	0.2-	0.2+
081221 H01	0.3+	0.2-	081221 204	0.2+	0.4+	081221 473	0.3+	0.5+
081221 704	0.0	0.4+	081221 204	0.1-	0.4+	081221 473	0.1-	0.4+
081221 H01	0.1+	0.1-	081221 204	0.2-	0.3+	081222 H36	0.6-	1.4-
081221 H01	0.2+	0.0	081221 493	0.1-	0.1+	081222 H36	0.0	0.4-
081221 H01	0.3+	0.1-	081221 493	0.1+	0.1-			
081221 673	1.3+	0.1-	081221 493	0.4+	0.1-			

Ephemeris:

2008 YJ2		a,e,i = 1.77, 0.52, 24					q = 0.8498		
Date	TT	R. A. (2000)	Decl.	Delta	r	Elong.	Phase	V	
2008 12 20	01	21.32	+23 13.2	0.164	1.072	118.3	53.9	19.3	
2008 12 21	01	10.39	+25 02.7	0.164	1.064	115.4	56.6	19.4	
2008 12 22	00	59.18	+26 49.9	0.164	1.057	112.5	59.3	19.4	
2008 12 23	00	47.71	+28 33.8	0.164	1.050	109.6	61.9	19.5	
2008 12 24	00	36.05	+30 13.5	0.165	1.043	106.7	64.5	19.6	
2008 12 25	00	24.22	+31 48.4	0.166	1.036	103.9	67.1	19.6	
2008 12 26	00	12.27	+33 17.8	0.168	1.029	101.2	69.6	19.7	
2008 12 27	00	00.25	+34 41.2	0.170	1.022	98.5	72.0	19.8	
2008 12 28	23	48.22	+35 58.4	0.172	1.016	95.9	74.4	19.9	
2008 12 29	23	36.22	+37 09.1	0.175	1.009	93.4	76.6	20.0	
2008 12 30	23	24.30	+38 13.2	0.178	1.002	91.0	78.7	20.1	
2008 12 31	23	12.51	+39 10.8	0.182	0.996	88.7	80.8	20.2	
2009 01 01	23	00.89	+40 02.1	0.185	0.990	86.5	82.7	20.3	
2009 01 02	22	49.48	+40 47.1	0.189	0.983	84.5	84.5	20.4	
2009 01 03	22	38.31	+41 26.3	0.194	0.977	82.5	86.2	20.5	
2009 01 04	22	27.42	+41 59.9	0.198	0.971	80.6	87.8	20.6	
2009 01 05	22	16.82	+42 28.2	0.202	0.965	78.9	89.3	20.7	
2009 01 06	22	06.54	+42 51.5	0.207	0.959	77.2	90.6	20.8	
2009 01 07	21	56.59	+43 10.3	0.212	0.953	75.6	91.9	20.9	
2009 01 08	21	46.98	+43 24.7	0.217	0.947	74.2	93.1	21.0	
2009 01 09	21	37.72	+43 35.3	0.222	0.942	72.8	94.2	21.1	

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