

[HOME](#)[ABOUT](#)[CONTACT](#)

Search MPC

[OBSERVERS](#)[PUBLIC](#)[IAWN](#)

- [Preparing MPCs \(Info\)](#)

## MPEC 2015-Y46 : 2015 YJ1

The following *Minor Planet Electronic Circular* may be linked-to from your own Web pages, but must not otherwise be redistributed electronically.

A form allowing access to any MPEC is at [the bottom of this page](#).

◀ [Read MPEC 2015-Y45](#) ▶ [Read MPEC 2015-Y47](#)

M.P.E.C. 2015-Y46

Issued 2015 Dec. 20, 00:10 UT

The Minor Planet Electronic Circulars contain information on unusual minor planets and routine data on comets. They are published on behalf of Division F of the International Astronomical Union by the Minor Planet Center, Smithsonian Astrophysical Observatory, Cambridge, MA 02138, U.S.A.

Prepared using the [Tamkin Foundation Computer Network](#)

MPC@CFA.HARVARD.EDU

URL <http://www.minorplanetcenter.net/> ISSN 1523-6714

2015 YJ1

## Observations:

K15Y01J*	C2015	12	18.41125	05	36	03.41	+25	24	17.9	20.0	VqEY046G96
K15Y01J	C2015	12	18.41344	05	36	05.85	+25	23	59.3	20.0	VqEY046G96
K15Y01J	C2015	12	18.41566	05	36	08.31	+25	23	41.1		qEY046G96
K15Y01J	C2015	12	18.41789	05	36	10.78	+25	23	21.9	20.2	VqEY046G96
K15Y01J	C2015	12	18.44784	05	36	44.55	+25	19	05.2		qEY046G96
K15Y01J	KC2015	12	18.44819	05	36	45.08	+25	19	05.4	20.2	RoEY046291
K15Y01J	KC2015	12	18.44855	05	36	45.47	+25	19	02.3	20.0	RoEY046291
K15Y01J	KC2015	12	18.44891	05	36	45.89	+25	18	59.1	19.5	RoEY046291
K15Y01J	C2015	12	18.45531	05	36	53.11	+25	18	00.3	20.2	VqEY046G96
K15Y01J	C2015	12	18.46277	05	37	01.74	+25	16	55.0	19.9	VqEY046G96
K15Y01J	C2015	12	18.47025	05	37	10.40	+25	15	49.3	20.1	VqEY046G96
K15Y01J	C2015	12	19.21965	05	53	47.50	+23	24	13.8	19.5	VqEY046I52
K15Y01J	C2015	12	19.22056	05	53	48.65	+23	24	04.8	20.8	VqEY046I52
K15Y01J	C2015	12	19.22146	05	53	49.79	+23	23	55.6	20.1	VqEY046I52
K15Y01J	C2015	12	19.22257	05	53	51.23	+23	23	45.0	19.5	VqEY046I52
K15Y01J	C2015	12	19.32790	05	56	02.96	+23	06	21.9	19.8	VqEY046G96
K15Y01J	JC2015	12	19.32835	05	56	03.77	+23	06	21.5	19.2	RoEY046695
K15Y01J	JC2015	12	19.32934	05	56	05.01	+23	06	11.3	18.9	RoEY046695
K15Y01J	JC2015	12	19.33111	05	56	07.23	+23	05	53.1	19.7	RoEY046695
K15Y01J	C2015	12	19.33561	05	56	12.60	+23	05	03.0	19.7	VqEY046G96
K15Y01J	C2015	12	19.34024	05	56	18.40	+23	04	21.2	19.1	RoEY046926
K15Y01J	C2015	12	19.34244	05	56	21.08	+23	03	58.9	19.6	RoEY046926
K15Y01J	C2015	12	19.34370	05	56	22.77	+23	03	39.5	19.3	VqEY046G96
K15Y01J	C2015	12	19.34409	05	56	23.25	+23	03	35.3	19.4	VqEY046G96
K15Y01J	C2015	12	19.34463	05	56	23.90	+23	03	36.0	19.4	RoEY046926
K15Y01J	C2015	12	19.35180	05	56	32.97	+23	02	15.0	19.2	VqEY046G96
K15Y01J	C2015	12	19.35218	05	56	33.42	+23	02	11.1	19.6	VqEY046G96
K15Y01J	KC2015	12	19.98176	06	11	55.48	+21	04	09.3	19.2	tEY046104
K15Y01J	KC2015	12	19.98469	06	11	59.56	+21	03	34.5	18.8	tEY046104
K15Y01J	KC2015	12	19.98762	06	12	03.67	+21	02	59.2	19.1	tEY046104

## Observer details:

**104 San Marcello Pistoiese.** Observer P. Bacci. Measurers P. Bacci, L. Tesi, G. Fagioli. 0.60-m f/4 reflector + CCD.  
**291 LPL/Spacewatch II.** Observer R. A. Mastaler. 1.8-m f/2.7 reflector + CCD.  
**695 Kitt Peak.** Observers L. Lebofsky, M. Trueblood, R. Crawford. Measurer R. Crawford. 2.3-m f/3.0 Ritchey-Chretien + CCD.  
**926 Tenagra II Observatory.** Observers M. Schwartz, P. R. Holvorcem. Measurer M. Schwartz. 0.81-m f/7 Ritchey-Chretien + CCD.  
**G96 Mt. Lemmon Survey.** Observer A. D. Grauer. Measurers E. J. Christensen, D. C. Fuls, A. R. Gibbs, A. D. Grauer, J. A. Johnson, R. A. Kowalski, S. M. Larson, G. J. Leonard, R. G. Matheny, R. L. Seaman, F. C. Shelly. 1.5-m reflector + CCD.  
**I52 Steward Observatory, Mt. Lemmon Station.** Observer R. A. Kowalski.

Measurers E. J. Christensen, D. C. Fuls, A. R. Gibbs, A. D. Grauer,  
J. A. Johnson, R. A. Kowalski, S. M. Larson, G. J. Leonard, R. G. Matheny,  
R. L. Seaman, F. C. Shelly. 1.0-m reflector + CCD.

## Orbital elements:

2015 YJ1 Earth MOID = 0.0132 AU  
Epoch 2016 Jan. 13.0 TT = JDT 2457400.5 MPC

M	0.64274	(2000.0)	P	Q
n	0.50832229	Peri. 207.55996	-0.40980122	-0.91002144
a	1.5549268	Node 266.68957	+0.84802803	-0.35478608
e	0.3705638	Incl. 3.59745	+0.33602295	-0.21444770
P	1.94	H 27.5	G 0.15	U 7

## Residuals in seconds of arc

151218 G96	0.3+	0.1-	151218 G96	0.8+	0.4-	151219 926	0.1+	0.1-
151218 G96	0.3+	0.2-	151219 I52	0.4-	0.7+	151219 926	1.1-	0.4+
151218 G96	0.1+	0.5+	151219 I52	0.3-	0.3+	151219 G96	0.2+	0.0
151218 G96	0.2-	0.2+	151219 I52	0.2-	0.3-	151219 G96	0.0	0.2-
151218 G96	0.6-	0.4+	151219 I52	0.5+	0.3-	151219 926	0.2-	0.2+
151218 291	0.0	0.1-	151219 G96	0.9+	0.8-	151219 G96	0.0	0.2-
151218 291	0.3-	0.1-	151219 695	0.3+	0.4+	151219 G96	0.4-	0.1-
151218 291	0.2-	0.2-	151219 695	0.3+	0.4+	151219 104	0.2+	0.5-
151218 G96	0.3-	0.3+	151219 695	0.3+	0.4+	151219 104	0.2-	0.1+
151218 G96	0.5+	0.1-	151219 G96	0.3+	0.3-	151219 104	0.2-	0.2+

## Ephemeris:

2015 YJ1 a,e,i = 1.55, 0.37, 4 q = 0.9787

Date	TT	R. A. (2000)	Decl.	Delta	r	Elong.	Phase	V
2015 11 20		03 16 25.2	+33 58 13	0.1334	1.1175	164.7	13.5	24.1
...								
2015 12 05		03 39 15.5	+34 00 07	0.07213	1.0543	161.7	17.1	22.8
...								
2015 12 13		04 22 23.0	+31 51 42	0.04384	1.0269	164.8	14.5	21.6
...								
2015 12 19		05 48 39.9	+24 00 43	0.02603	1.0100	178.9	1.0	19.8
2015 12 20		06 12 21.8	+21 03 03	0.02373	1.0075	174.2	5.7	19.8
2015 12 21		06 39 28.0	+17 15 19	0.02178	1.0051	167.6	12.1	19.9
...								
2015 12 27		09 53 54.5	-15 37 43	0.02161	0.9927	114.9	64.0	21.4
...								
2016 01 04		12 11 27.8	-31 07 21	0.04238	0.9821	87.2	90.3	23.8
...								
2016 01 19		13 21 33.2	-34 45 19	0.08884	0.9817	86.1	88.8	25.3

A. U. Tomatic

(C) Copyright 2015 MPC

M.P.E.C. 2015-Y46

◀ [Read MPEC 2015-Y45](#) ▶ [Read MPEC 2015-Y47](#)

Display 

Clear

Enter an *MPEC* number in one of the following forms:

- 1997-B01 (the full form)
- J97B01 (the packed version of the full form)
- B01 (the abbreviated form)

[Home](#)[About](#)[Contact](#)[For Observers](#)[For the Public](#)