

# MPEC 2008-X15 : 2008 WK96

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



[Read MPEC 2008-X14](#)



[Read MPEC 2008-X16](#)

M.P.E.C. 2008-X15

Issued 2008 Dec. 1, 17:11 UT

The Minor Planet Electronic Circulars contain information on unusual minor planets and routine data on comets. They are published on behalf of Commission 20 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.cfa.harvard.edu/iau/mpc.html> ISSN 1523-6714

2008 WK96

## Observations:

K08W96K*	C2008 11 30.38762 09 15 22.39 +28 08 51.2	18.5 V EX015703
K08W96K	C2008 11 30.39985 09 15 12.16 +28 11 02.5	18.4 V EX015703
K08W96K	C2008 11 30.41206 09 15 01.94 +28 13 12.6	19.0 V EX015703
K08W96K	C2008 11 30.47855 09 14 05.98 +28 24 53.4	18.8 V EX015703
K08W96K	C2008 11 30.47980 09 14 04.91 +28 25 05.9	19.0 V EX015703
K08W96K	C2008 11 30.48102 09 14 03.91 +28 25 18.8	19.0 V EX015703
K08W96K	C2008 11 30.48226 09 14 02.83 +28 25 31.5	19.0 V EX015703
K08W96K	C2008 12 01.00794 09 07 26.69 +29 50 49.7	18.5 V EX015A74
K08W96K	C2008 12 01.01356 09 07 22.34 +29 51 43.5	18.4 V EX015A74
K08W96K	C2008 12 01.02479 09 07 13.72 +29 53 31.3	18.7 V EX015A74
K08W96K	C2008 12 01.33370 09 03 29.91 +30 40 57.2	18.1 R EX015648
K08W96K	C2008 12 01.33969 09 03 25.42 +30 41 52.0	18.2 R EX015648
K08W96K	C2008 12 01.34795 09 03 19.17 +30 43 07.6	18.7 R EX015648

## Observer details:

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

703 Catalina Sky Survey. Observer R. A. Kowalski. 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. 0.68-m Schmidt + CCD.

A74 Bergen-Enkheim Observatory. Observer U. Suessenberger. 0.4-m f/4 Newtonian reflector.

## Orbital elements:

2008 WK96				Earth MOID = 0.0007 AU
Epoch 2008 Nov. 30.0 TT = JDT 2454800.5				MPC
M 16.97070	(2000.0)	P	Q	
n 0.42561101	Peri. 311.06614	+0.94522849	-0.29890601	
a 1.7503604	Node 66.69735	+0.32554059	+0.83398434	
e 0.4999977	Incl. 8.20932	+0.02379978	+0.46381603	
P 2.32	H 22.6	G 0.15	U 7	

Residuals in seconds of arc

081130 703 0.0 0.0	081130 703 0.2+ 0.1+	081201 648 0.3- 0.0
081130 703 0.0 0.0	081130 703 0.2- 0.1-	081201 648 0.1+ 0.1-

081130	703	0.2+	0.4-	081201	A74	0.1+	0.2+	081201	648	0.1+	0.0
081130	703	0.1+	0.3+	081201	A74	0.2-	0.1-				
081130	703	0.1-	0.2-	081201	A74	0.4+	0.1-				

## Ephemeris:

2008 WK96		$a, e, i = 1.75, 0.50, 8$						$q = 0.8752$	
Date	TT	R. A. (2000)	Decl.	Delta	r	Elong.	Phase	V	
2008 11 30		09 20.47	+26 58.8	0.0571	1.010	113.4	63.6	18.7	
2008 12 10		07 50.43	+41 49.0	0.112	1.074	141.4	34.9	19.4	
2008 12 20		07 07.01	+44 50.9	0.176	1.144	153.8	22.3	20.2	
2008 12 30		06 42.29	+44 57.6	0.248	1.217	158.2	17.5	20.9	
2009 01 09		06 29.22	+43 57.2	0.330	1.292	155.7	18.3	21.7	

Timothy B. Spahr

(C) Copyright 2008 MPC

M.P.E.C. 2008-X15

[Read MPEC 2008-X14](#)[Read MPEC 2008-X16](#)

[Our Web policy.](#) [Index](#) to the CBAT/MPC/ICQ pages.

[MPC](#)