

# MPEC 2008-X12 : 2008 WG96

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## 2008 WG96

### Observations:

K08W96G*	C2008	11	30.23285	03	01	20.56	+26	53	45.4	18.7	V	EX012703
K08W96G	C2008	11	30.24098	03	01	25.60	+26	51	45.3	18.8	V	EX012703
K08W96G	C2008	11	30.25718	03	01	35.65	+26	47	44.2	18.5	V	EX012703
K08W96G	C2008	11	30.34883	03	02	30.91	+26	25	37.6	18.6	V	EX012703
K08W96G	C2008	11	30.34944	03	02	31.27	+26	25	28.9	18.7	V	EX012703
K08W96G	C2008	11	30.35007	03	02	31.59	+26	25	19.1	18.4	V	EX012703
K08W96G	C2008	11	30.35068	03	02	32.02	+26	25	11.3	18.5	V	EX012703
K08W96G	C2008	12	01.15272	03	10	00.67	+24	11	54.5			EX012648
K08W96G	C2008	12	01.15663	03	10	01.77	+24	11	24.4			EX012648
K08W96G	C2008	12	01.16054	03	10	02.77	+24	10	55.7			EX012648
K08W96G	C2008	12	01.28719	03	10	34.03	+23	56	06.4	19.7	V	EX012G96
K08W96G	C2008	12	01.29382	03	10	35.58	+23	55	20.2	19.6	V	EX012G96
K08W96G	C2008	12	01.30057	03	10	37.20	+23	54	33.1	19.7	V	EX012G96

### 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.

G96 Mt. Lemmon Survey. Observer E. Beshore. 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.

### Orbital elements:

2008 WG96					Earth MOID = 0.0034 AU
Epoch 2008 Nov. 30.0	TT = JDT 2454800.5				MPC
M 56.53554	(2000.0)		P	Q	
n 0.91568958	Peri. 49.60898		+0.68029335	+0.73284626	
a 1.0502770	Node 263.26171		-0.67598357	+0.62116862	
e 0.4936190	Incl. 0.67609		-0.28327930	+0.27764349	
P 1.08	H 26.2	G 0.15	U 8		

Residuals in seconds of arc

081130 703 0.3+ 0.0 081130 703 0.5- 1.2- 081201 G96 0.2+ 0.8-

081130 703	0.4-	1.2+	081130 703	0.3+	0.4-	081201 G96	0.1-	0.8-
081130 703	0.2-	0.4+	081201 648	(0.2-	3.2+)	081201 G96	0.2+	0.9-
081130 703	0.3+	0.3-	081201 648	0.3+	0.5+			
081130 703	0.2+	0.3-	081201 648	0.5-	0.7-			

## Ephemeris:

2008 WG96  $a, e, i = 1.05, 0.49, 1$   $q = 0.5318$

Date	TT	R. A. (2000)	Decl.	Delta	r	Elong.	Phase	V
2008 11 30		02 57.75	+27 59.7	0.0172	1.002	159.2	20.4	18.4
2008 12 01		03 08.80	+24 32.8	0.0263	1.011	161.3	18.2	19.3
2008 12 02		03 14.02	+22 50.9	0.0354	1.020	161.6	17.8	19.9
2008 12 03		03 17.09	+21 50.6	0.0445	1.028	161.3	18.0	20.4
2008 12 04		03 19.15	+21 10.8	0.0537	1.036	160.7	18.4	20.9
2008 12 05		03 20.66	+20 42.8	0.0629	1.045	159.9	18.9	21.3
2008 12 06		03 21.83	+20 22.0	0.0722	1.053	159.1	19.5	21.6
2008 12 07		03 22.80	+20 06.1	0.0815	1.061	158.3	20.1	21.9
2008 12 08		03 23.63	+19 53.6	0.0908	1.069	157.4	20.7	22.2
2008 12 09		03 24.36	+19 43.6	0.100	1.078	156.6	21.3	22.4
2008 12 10		03 25.04	+19 35.5	0.110	1.086	155.7	21.9	22.6

Timothy B. Spahr

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