

MPEC 2008-W66 : 2008 WM61

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2008 WM61

Observations:

K08W61M*	C2008	11	24.20479	02	02	48.31	+08	49	34.6	18.9	EW066704
K08W61M	C2008	11	24.21732	02	03	07.76	+08	47	55.8	18.9	EW066704
K08W61M	C2008	11	24.23002	02	03	27.52	+08	46	14.9	18.6	EW066704
K08W61M	C2008	11	24.24252	02	03	47.14	+08	44	33.8	19.5	EW066704
K08W61M	C2008	11	24.85489	02	24	08.38	+07	10	31.3		EW066J95
K08W61M	C2008	11	24.85565	02	24	09.88	+07	10	24.0		EW066J95
K08W61M	C2008	11	24.85745	02	24	13.43	+07	10	06.5	17.9	R EW066J95
K08W61M	C2008	11	25.17682902	36	14.94	+06	17	13.6		18.0	C EW066648
K08W61M	C2008	11	25.18303202	36	28.09	+06	16	05.2		18.1	C EW066648
K08W61M	C2008	11	25.18538	02	36	16.83	+06	14	13.9	18.6	V EW066H55
K08W61M	C2008	11	25.18615702	36	34.65	+06	15	30.8		17.8	C EW066648
K08W61M	C2008	11	25.18767	02	36	21.68	+06	13	48.1	18.6	V EW066H55
K08W61M	C2008	11	25.18960	02	36	25.77	+06	13	26.4	18.5	V EW066H55

Observer details:

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

H55 Astronomical Research Observatory, Charleston. Observer R. Holmes. Measurer H. Devore. 0.61-m f/4.0 astrograph + CCD.

J95 Great Shefford. Observer P. Birtwhistle. 0.40-m f/6.0 Schmidt-Cassegrain + CCD.

Orbital elements:

2008 WM61				Earth MOID = 0.0089 AU
Epoch 2008 Nov. 10.0	TT = JDT 2454780.5			MPC
M 344.46238	(2000.0)		P	Q
n 0.54344555	Peri. 197.51948	+0.20285182		-0.97829793
a 1.4871862	Node 240.79476	+0.90410236		+0.20368690
e 0.3352176	Incl. 2.77378	+0.37609848		+0.03801055
P 1.81	H 26.8	G 0.15		
From 13 observations 2008 Nov. 24-25. E-assumed.				

Ephemeris:

2008 WM61

 $a, e, i = 1.49, 0.34, 3$ $q = 0.9887$

Date	TT	R. A. (2000)	Decl.	Delta	r	Elong.	Phase	V
2008 11 20	00	49.44	+13 45.3	0.0238	1.006	138.2	40.9	20.3
2008 11 21	01	00.53	+13 05.5	0.0212	1.004	139.7	39.5	20.0
2008 11 22	01	14.61	+12 12.8	0.0187	1.002	141.7	37.6	19.7
2008 11 23	01	32.85	+11 00.8	0.0163	1.001	144.6	34.9	19.3
2008 11 24	01	56.93	+09 19.7	0.0141	0.999	148.4	31.1	18.9
2008 11 25	02	29.19	+06 54.4	0.0121	0.998	153.3	26.4	18.4
2008 11 26	03	12.37	+03 26.7	0.0105	0.997	157.9	21.9	18.0
2008 11 27	04	08.01	-01 11.5	0.00938	0.995	157.7	22.1	17.7
2008 11 28	05	13.11	-06 27.7	0.00903	0.994	148.9	30.8	17.9
2008 11 29	06	18.56	-11 07.6	0.00950	0.993	136.4	43.2	18.3
2008 11 30	07	15.00	-14 20.7	0.0107	0.992	124.9	54.6	18.9
2008 12 01	07	59.01	-16 13.3	0.0124	0.992	116.1	63.3	19.5
2008 12 02	08	32.00	-17 13.9	0.0144	0.991	109.7	69.5	20.0
2008 12 03	08	56.67	-17 45.2	0.0166	0.990	105.2	73.8	20.5
2008 12 04	09	15.41	-18 00.7	0.0190	0.990	102.1	76.9	20.9
2008 12 05	09	29.94	-18 07.6	0.0214	0.989	99.8	79.0	21.2
2008 12 06	09	41.44	-18 09.9	0.0239	0.989	98.2	80.4	21.5
2008 12 07	09	50.74	-18 09.6	0.0265	0.989	97.2	81.3	21.7
2008 12 08	09	58.38	-18 07.9	0.0290	0.989	96.4	81.9	22.0
2008 12 09	10	04.76	-18 05.4	0.0316	0.989	96.0	82.2	22.1
2008 12 10	10	10.16	-18 02.5	0.0342	0.989	95.8	82.3	22.3

Brian G. Marsden

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