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MPEC 2015-Y45 : 2015 YH1

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M.P.E.C. 2015-Y45

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2015 YH1

Observations:

K15Y01H*	C2015	12	18.25885	05	36	15.30	+24	10	24.8	18.7	VqEY045G96
K15Y01H	C2015	12	18.26477	05	36	12.98	+24	12	55.3	19.4	VqEY045G96
K15Y01H	C2015	12	18.27069	05	36	10.57	+24	15	22.9	19.5	VqEY045G96
K15Y01H	C2015	12	18.27698	05	36	07.98	+24	18	01.6	19.5	VqEY045G96
K15Y01H	C2015	12	18.27725	05	36	07.86	+24	18	08.0	19.5	VqEY045G96
K15Y01H	C2015	12	18.27751	05	36	07.76	+24	18	14.8	19.7	VqEY045G96
K15Y01H	C2015	12	18.27778	05	36	07.65	+24	18	21.2	19.6	VqEY045G96
K15Y01H	C2015	12	18.31902	05	35	50.55	+24	35	40.1	19.6	VqEY045G96
K15Y01H	C2015	12	18.31929	05	35	50.44	+24	35	46.8	19.7	VqEY045G96
K15Y01H	C2015	12	18.31956	05	35	50.34	+24	35	53.7	19.6	VqEY045G96
K15Y01H	C2015	12	18.31982	05	35	50.23	+24	36	00.0	19.4	VqEY045G96
K15Y01H	C2015	12	18.34379	05	35	40.21	+24	46	06.0	19.7	VqEY045I52
K15Y01H	C2015	12	18.34963	05	35	37.78	+24	48	33.8	19.4	VqEY045I52
K15Y01H	C2015	12	18.35249	05	35	36.55	+24	49	46.4	19.4	VqEY045I52
K15Y01H	C2015	12	18.35542	05	35	35.34	+24	51	00.4	19.7	VqEY045I52
K15Y01H	C2015	12	18.41125	05	35	12.02	+25	14	40.9	19.6	VqEY045G96
K15Y01H	C2015	12	18.41344	05	35	11.10	+25	15	36.8	19.5	VqEY045G96
K15Y01H	C2015	12	18.41566	05	35	10.15	+25	16	33.4	19.2	VqEY045G96
K15Y01H	C2015	12	18.41789	05	35	09.30	+25	17	30.1	19.1	VqEY045G96
K15Y01H	C2015	12	18.44784	05	34	56.87	+25	30	16.3	19.4	VqEY045G96
K15Y01H	C2015	12	18.45531	05	34	53.78	+25	33	29.1	20.0	VqEY045G96
K15Y01H	C2015	12	18.46277	05	34	50.74	+25	36	40.5	20.0	VqEY045G96
K15Y01H	KC2015	12	19.02125	05	31	05.02	+29	51	36.6	19.3	VqEY045I93
K15Y01H	KC2015	12	19.03640	05	30	57.35	+29	58	53.3	19.2	VqEY045I93
K15Y01H	C2015	12	19.17841	05	30	00.02	+31	08	26.7	19.3	VqEY045I52
K15Y01H	C2015	12	19.18346	05	29	57.39	+31	10	57.3	19.1	VqEY045I52
K15Y01H	C2015	12	19.18850	05	29	54.70	+31	13	28.5	18.8	VqEY045I52
K15Y01H	C2015	12	19.19354	05	29	52.01	+31	15	59.5	19.8	VqEY045I52
K15Y01H	C2015	12	19.21164	05	29	42.43	+31	25	05.2	19.6	RoEY045926
K15Y01H	C2015	12	19.21375	05	29	41.25	+31	26	07.6	19.8	RoEY045926
K15Y01H	C2015	12	19.21584	05	29	40.10	+31	27	11.8	19.5	RoEY045926
K15Y01H	JC2015	12	19.28150	05	29	04.00	+32	00	08.1	19.2	RoEY045695
K15Y01H	JC2015	12	19.28202	05	29	03.69	+32	00	24.0	19.1	RoEY045695
K15Y01H	JC2015	12	19.28261	05	29	03.37	+32	00	41.7	19.2	RoEY045695
K15Y01H	KC2015	12	19.85913	05	23	48.36	+37	03	55.8	19.5	RqEY045204
K15Y01H	HC2015	12	19.86531	05	23	44.25	+37	07	22.0		qEY045204
K15Y01H	KC2015	12	19.87125	05	23	40.31	+37	10	40.5		qEY045204

Observer details:

[204 Schiaparelli Observatory](#). Observer L. Buzzi. 0.60-m f/4.64 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.
 I93 St Pardon de Conques. Observer F. Losse. 0.40-m f/3.7 reflector + CCD.

Orbital elements:

2015 YH1 Earth MOID = 0.0488 AU
 Epoch 2016 Jan. 13.0 TT = JDT 2457400.5 MPC
 M 345.92316 (2000.0) P Q
 n 0.52853000 Peri. 68.90440 -0.81611931 -0.39726585
 a 1.5150360 Node 85.58962 +0.23274455 -0.89068746
 e 0.4444853 Incl. 24.89293 +0.52894162 -0.22103323
 P 1.86 H 25.2 G 0.15 U 7

Residuals in seconds of arc

151218 G96	1.2-	1.4-	151218 I52	0.2-	0.0	151219 I52	0.0	0.3-
151218 G96	0.1+	0.7+	151218 I52	0.0	0.3-	151219 I52	0.2-	0.3-
151218 G96	0.3+	0.3-	151218 G96	0.1+	0.1+	151219 926	0.5+	0.1+
151218 G96	0.2+	0.5+	151218 G96	0.0	0.1+	151219 926	0.0	0.9-
151218 G96	0.0	0.1+	151218 G96	0.4-	0.0	151219 926	0.3-	0.6+
151218 G96	0.1+	0.4+	151218 G96	0.6+	0.3-	151219 695	0.6+	0.3+
151218 G96	0.1+	0.0	151218 G96	0.0	0.7-	151219 695	0.3+	0.5+
151218 G96	0.0	0.3+	151218 G96	0.3-	0.5+	151219 695	0.5+	0.4+
151218 G96	0.0	0.1+	151218 G96	0.1-	0.2+	151219 204	0.4-	0.3-
151218 G96	0.2+	0.2+	151219 I93	0.3-	0.0	151219 204	0.3-	0.1-
151218 G96	0.1+	0.0	151219 I93	0.4-	0.6+	151219 204	0.1+	0.3+
151218 I52	0.0	0.1-	151219 I52	0.1-	0.1-			
151218 I52	0.2+	0.2-	151219 I52	0.3+	0.6-			

Ephemeris:

2015 YH1 a,e,i = 1.52, 0.44, 25 q = 0.8416
 Date TT R. A. (2000) Decl. Delta r Elong. Phase V
 2015 11 19 06 00 07.1 -14 31 59 0.3508 1.2465 130.9 36.9 24.9
 ...
 2015 12 04 06 01 16.6 -10 22 46 0.1921 1.1427 141.7 32.3 23.3
 ...
 2015 12 12 05 54 59.6 -00 44 32 0.1140 1.0885 154.2 23.2 21.8
 ...
 2015 12 18 05 37 41.9 +22 25 25 0.06490 1.0489 178.9 1.1 19.5
 2015 12 19 05 31 16.7 +29 41 41 0.05894 1.0425 173.0 6.6 19.6
 2015 12 20 05 22 14.1 +38 22 31 0.05421 1.0361 164.0 15.2 19.8
 ...
 2015 12 26 20 54 30.7 +76 04 12 0.06225 0.9987 102.4 74.1 21.8
 ...
 2016 01 03 18 41 20.9 +49 20 28 0.1255 0.9527 72.3 100.5 24.2
 ...
 2016 01 18 18 26 06.4 +35 24 51 0.2607 0.8832 60.1 105.1 25.9

A. U. Tomatic

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