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MPEC 2015-Y62 : 2011 YW10

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M.P.E.C. 2015-Y62

Issued 2015 Dec. 21, 04:51 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](#)

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

2011 YW10

Revision to [MPEC 2011-Y39](#)**Additional Observations:**

K11Y10W]C2015 12 18.12490 01 02 01.57 +03 04 57.0	21.1 RoEY062695
K11Y10W]C2015 12 18.13458 01 02 08.00 +03 06 01.6	22.1 RoEY062695
K11Y10W]C2015 12 18.14216 01 02 13.17 +03 06 54.1	21.6 RoEY062695
K11Y10W]C2015 12 19.09180 01 12 43.61 +04 47 19.1	21.8 RoEY062695
K11Y10W]C2015 12 19.09462 01 12 45.38 +04 47 36.3	22.4 RoEY062695
K11Y10W]C2015 12 19.09750 01 12 46.94 +04 47 52.4	22.3 RoEY062695
K11Y10W]C2015 12 19.10323 01 12 50.41 +04 48 27.1	22.0 RoEY062695

Observer details:

695 Kitt Peak. Observers L. Lebofsky, M. Trueblood, R. Crawford. **Measurer**
R. Crawford. 2.3-m f/3.0 Ritchey-Chretien + CCD.

First and last observations above in comparison with prediction:

Residuals in seconds of arc, reference and Delta-T
151218 695 2.3- 52.5+ 151219 695 20.8- 36.4+ MPO216403 -0.13 day

Orbital elements:

2011 YW10 Earth MOID = 0.0091 AU
Epoch 2016 Jan. 13.0 TT = JDT 2457400.5 MPC
M 122.63455 (2000.0) P Q
n 1.22548063 Peri. 217.74833 +0.56336632 +0.82462813
a 0.8648320 Node 86.59608 -0.74503048 +0.53375590
e 0.4430399 Incl. 2.93181 -0.35713860 +0.18733147
P 0.80 H 24.4 G 0.15 U 6

Residuals in seconds of arc

111225 G96 0.3- 0.4- 111227 291 0.2+ 0.6+ 120101 291 (0.4- 2.9+)
111225 G96 0.3- 0.4- 111227 291 0.2+ 0.2+ 120102 291 0.6- 0.2-
111225 G96 0.1- 0.5- 111228 291 (0.6+ 1.9+) 120102 291 0.4- 0.1-
111225 H21 1.2+ 0.1- 111228 291 0.2+ 1.0+ 120102 291 0.1- 0.0
111225 H21 0.7+ 0.2- 111228 291 0.2- 0.2- 120103 291 0.6- 0.3+
111225 H21 0.8+ 0.5- 111229 291 0.1+ 0.0 120103 291 0.7- 0.2-
111225 H36 0.2+ 0.1- 111229 291 0.5- 0.4+ 120103 291 0.4- 0.0
111225 H36 0.2+ 1.2+ 111229 291 0.0 0.1+ 151218 695 0.2- 0.0
111225 291 0.4+ 0.4- 111230 291 0.1+ 0.0 151218 695 1.0- 0.8-
111225 291 0.9- 0.2- 111230 291 0.0 0.1- 151218 695 0.4+ 0.5+
111225 291 0.2+ 0.1+ 111230 291 0.1- 0.3- 151219 695 0.1+ 0.3+
111225 204 0.9+ 0.7- 111231 291 0.6- 0.2+ 151219 695 1.4+ 0.7+
111226 204 0.7+ 0.1- 111231 291 0.0 0.2+ 151219 695 0.9- 0.4-
111226 H36 0.2+ 0.6+ 111231 291 0.4+ 1.2- 151219 695 0.0 0.2+
111226 H36 1.0+ 0.4- 120101 291 0.3- 0.6+
111227 291 0.1- 0.6- 120101 291 (0.4- 2.2+)

Ephemeris:
 2011 YW10 a,e,i = 0.86, 0.44, 3 q = 0.4817
 Date TT R. A. (2000) Decl. Delta r Elong. Phase V
 2015 11 21 16 57 47.0 -29 43 32 0.1837 0.8172 19.6 156.1 30.1
 ...
 2015 12 06 20 19 17.6 -30 36 52 0.07297 0.9378 47.6 129.1 24.2
 ...
 2015 12 14 23 58 43.7 -07 04 14 0.07512 0.9944 95.4 80.3 21.6
 ...
 2015 12 20 01 21 41.6 +06 12 55 0.1102 1.0330 113.6 60.8 21.9
 2015 12 21 01 30 35.2 +07 35 51 0.1172 1.0391 115.2 59.0 21.9
 2015 12 22 01 38 34.7 +08 49 07 0.1245 1.0451 116.5 57.4 22.0
 ...
 2015 12 28 02 13 37.3 +13 51 28 0.1708 1.0794 120.2 52.0 22.6
 ...
 2016 01 05 02 42 28.0 +17 27 15 0.2372 1.1200 119.7 49.7 23.4
 ...
 2016 01 20 03 18 39.1 +20 57 49 0.3685 1.1808 113.6 49.8 24.4

A. U. Tomatic (C) Copyright 2015 MPC M.P.E.C. 2015-Y62

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