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## MPEC 2015-L24 : 2015 LG2

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M.P.E.C. 2015-L24

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2015 LG2

## Observations:

K15L02G*	C2015 06 05.49287	19 37 32.906+49 44 44.64	20.4	iLEL024F51
K15L02G	C2015 06 05.50552	19 37 34.298+49 44 56.54	20.3	iLEL024F51
K15L02G	C2015 06 05.51820	19 37 35.717+49 45 08.08	20.2	iLEL024F51
K15L02G	C2015 06 05.53091	19 37 37.093+49 45 19.68	20.2	iLEL024F51
K15L02G	KC2015 06 05.98684	19 38 35.01 +49 51 50.8	20.1	qEL024104
K15L02G	KC2015 06 05.99218	19 38 35.64 +49 51 55.8	20.2	qEL024104
K15L02G	KC2015 06 05.99826	19 38 36.30 +49 52 02.2	20.2	qEL024104
K15L02G	C2015 06 06.43903	19 39 30.70 +49 58 36.3	20.9	RoEL024926
K15L02G	C2015 06 06.45025	19 39 31.99 +49 58 45.6	21.0	RoEL024926
K15L02G	C2015 06 06.46192	19 39 33.30 +49 58 55.8	21.2	RoEL024926
K15L02G	KC2015 06 06.98723	19 40 42.18 +50 06 23.6	19.7	RcEL024J57
K15L02G	KC2015 06 06.98954	19 40 42.44 +50 06 25.7	20.0	RcEL024J57
K15L02G	KC2015 06 06.99183	19 40 42.76 +50 06 28.8	20.4	RcEL024J57
K15L02G	KC2015 06 07.05097	19 40 49.35 +50 07 16.4		qEL024J95
K15L02G	KC2015 06 07.05956	19 40 50.47 +50 07 24.5		qEL024J95
K15L02G	KC2015 06 07.07257	19 40 51.96 +50 07 36.1	20.5	RqEL024J95
K15L02G	C2015 06 07.39257	19 41 32.87 +50 12 19.3	20.8	VqEL024I52
K15L02G	C2015 06 07.40150	19 41 33.82 +50 12 27.2	20.7	VqEL024I52
K15L02G	C2015 06 07.40956	19 41 34.83 +50 12 34.6		qEL024I52
K15L02G	C2015 06 07.41670	19 41 35.65 +50 12 40.2	20.7	VqEL024I52
K15L02G	C2015 06 07.43890	19 41 38.17 +50 12 59.8	20.7	RoEL024926
K15L02G	C2015 06 07.45012	19 41 39.46 +50 13 09.2	20.7	RoEL024926
K15L02G	C2015 06 07.46181	19 41 40.83 +50 13 19.0	20.6	RoEL024926
K15L02G	KC2015 06 09.30728319	45 42.84 +50 38 58.2	20.5	VuEL024H21
K15L02G	KC2015 06 09.31658719	45 44.02 +50 39 05.5	20.4	VuEL024H21

## Observer details:

- 104 San Marcello Pistoiese.** Observer P. Bacci. Measurers P. Bacci, L. Tesi, G. Fagioli. 0.60-m f/4 reflector + CCD.
- 926 Tenagra II Observatory.** Observers M. Schwartz, P. R. Holvorcem. Measurer M. Schwartz. 0.41-m f/3.75 astrograph + CCD, 0.81-m f/7 Ritchey-Chretien + CCD.
- F51 Pan-STARRS 1, Haleakala.** Observers B. Gibson, T. Goggia, N. Primak, A. Schultz, M. Willman. Measurers K. Chambers, S. Chastel, L. Denneau, H. Flewelling, M. Huber, E. Lilly, E. Magnier, R. Wainscoat, C. Waters, R. Weryk. 1.8-m Ritchey-Chretien + CCD.
- H21 Astronomical Research Observatory, Westfield.** Observer R. Holmes. Measurers S. Foglia, L. Buzzi, T. Linder, R. Holmes. 0.76-m f/3.0 astrograph + CCD.
- I52 Steward Observatory, Mt. Lemmon Station.** Observer A. R. Gibbs. Measurers E. J. Christensen, D. C. Fuls, A. R. Gibbs, A. D. Grauer, R. E. Hill, J. A. Johnson, R. A. Kowalski, S. M. Larson, R. G. Matheny, F. C. Shelly. 1.0-m reflector + CCD.
- 157 Centro Astronomico Alto Turia, Valencia.** Observer G. Fornas. Measurers V. Mas, A. Carreno. 0.40-m f/10 Schmidt-Cassegrain + CCD.
- 195 Great Shefford.** Observer P. Birtwhistle. 0.40-m f/6.0 Schmidt-Cassegrain + CCD.

## Orbital elements:

2015 LG2  
 Epoch 2015 June 27.0 TT = JDT 2457200.5  
 M 327.82791 (2000.0) P Q  
 n 0.71485776 Peri. 189.12472 +0.78418957 +0.56552788  
 PHA, Earth MOID = 0.0177 AU  
 MPC

```

a 1.2387670      Node 133.20277      -0.54492908      +0.82449676
e 0.1686089      Incl. 20.50949      -0.29681480      -0.01957853
P 1.38           H 20.6           G 0.15           U 8
Residuals in seconds of arc
150605 F51 0.1- 0.1- 150606 926 0.3+ 0.4+ 150607 I52 0.1+ 0.4+
150605 F51 0.1- 0.1+ 150606 J57 0.6+ 0.2+ 150607 I52 0.2+ 0.1-
150605 F51 0.2+ 0.0 150606 J57 0.5+ 0.1+ 150607 926 0.1+ 0.2+
150605 F51 0.1+ 0.0 150606 J57 0.9+ 1.1+ 150607 926 0.2+ 0.2+
150605 104 0.2- 0.4- 150607 J95 0.7- 0.5- 150607 926 0.5+ 0.3+
150605 104 0.1- 0.4- 150607 J95 0.3+ 0.0 150609 H21 0.2- 0.1+
150605 104 0.5- 0.4+ 150607 J95 0.1- 0.1+ 150609 H21 0.4+ 0.5-
150606 926 0.0 0.4+ 150607 I52 0.1- 0.1-
150606 926 0.3+ 0.1+ 150607 I52 0.8- 0.0

```

```

Ephemeris:
2015 LG2           a,e,i = 1.24, 0.17, 21           q = 1.0299
Date TT      R. A. (2000) Decl.      Delta      r      Elong. Phase      V
2015 05 10    18 47 00.0 +41 25 47      0.4497 1.1877 102.0 56.2 21.3
...
2015 05 25    19 15 02.7 +46 33 46      0.3925 1.1488 100.1 60.2 21.0
...
2015 06 02    19 30 25.9 +48 50 50      0.3588 1.1289 99.3 62.4 20.9
...
2015 06 08    19 42 50.8 +50 20 47      0.3318 1.1146 98.7 64.2 20.7
2015 06 09    19 45 01.5 +50 34 41      0.3272 1.1123 98.6 64.5 20.7
2015 06 10    19 47 14.5 +50 48 15      0.3225 1.1100 98.6 64.7 20.7
...
2015 06 16    20 01 31.7 +52 02 14      0.2935 1.0966 98.2 66.5 20.5
...
2015 06 24    20 24 31.0 +53 16 58      0.2525 1.0802 97.8 68.8 20.2
...
2015 07 09    21 33 03.7 +53 22 36      0.1710 1.0546 98.2 72.6 19.4

```

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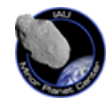
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