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## MPEC 2015-K56 : COMET C/2015 K2 (PANSTARRS)

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M.P.E.C. 2015-K56

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COMET C/2015 K2 (PANSTARRS)

## Observations:

CK15K020	C2015 05	18.33481	13 00	28.538-07	51 31.20	21.8	TLEK056F51
CK15K020	C2015 05	18.34789	13 00	29.976-07	50 50.63	21.5	TLEK056F51
CK15K020	C2015 05	18.36096	13 00	31.401-07	50 09.93	21.7	TLEK056F51
CK15K020	C2015 05	18.37411	13 00	32.851-07	49 29.11	21.7	TLEK056F51
CK15K020	KC2015 05	19.22572	13 02	12.74 -07	05 32.6	20.7	ToEK056291
CK15K020	KC2015 05	19.22889	13 02	13.12 -07	05 23.1	20.7	ToEK056291
CK15K020	KC2015 05	19.23206	13 02	13.45 -07	05 13.0	20.8	ToEK056291
CK15K020	_C2015 05	19.31740213	02	23.685-07	00 46.87	21.6	TtEK056568
CK15K020	_C2015 05	19.31873413	02	23.827-07	00 42.74	22.1	TtEK056568
CK15K020	AC2015 05	20.05202	13 03	51.27 -06	22 54.5	20.5	TqEK056W96
CK15K020	AC2015 05	20.06104	13 03	52.34 -06	22 27.0	20.9	TqEK056W96
CK15K020	AC2015 05	20.07007	13 03	53.47 -06	21 59.2	20.5	TqEK056W96
CK15K020	C2015 05	20.17617	13 04	02.54 -06	18 25.3	21.1	ToEK056926
CK15K020	C2015 05	20.15227	13 04	03.46 -06	18 01.2	21.1	ToEK056926
CK15K020	C2015 05	20.16017	13 04	04.37 -06	17 37.5	21.2	ToEK056926
CK15K020	KC2015 05	20.17094	13 04	05.55 -06	17 03.8	19.9	ToEK056291
CK15K020	KC2015 05	20.17355	13 04	05.86 -06	16 57.0	19.9	ToEK056291
CK15K020	KC2015 05	20.17617	13 04	06.21 -06	16 48.6	20.0	ToEK056291
CK15K020	_C2015 05	20.24075213	04	14.251-06	13 27.49	21.5	TtEK056568
CK15K020	_C2015 05	20.24401313	04	14.635-06	13 17.45	21.8	TtEK056568
CK15K020	_C2015 05	20.24608913	04	14.866-06	13 11.17	21.6	TtEK056568
CK15K020	KC2015 05	20.93021	13 05	37.12 -05	38 26.8	19.9	TcEK056357
CK15K020	KC2015 05	20.94186	13 05	38.48 -05	37 52.9	20.1	TcEK056357
CK15K020	KC2015 05	20.94896	13 05	39.26 -05	37 31.0	19.7	TcEK056357
CK15K020	C2015 05	22.19642	13 08	13.10 -04	34 39.5	21.4	ToEK056926
CK15K020	C2015 05	22.20433	13 08	14.02 -04	34 15.8	21.4	ToEK056926
CK15K020	C2015 05	22.21223	13 08	14.94 -04	33 52.0	21.1	ToEK056926
CK15K020	1C2015 05	22.48742	13 08	49.28 -04	19 51.2		vEK056Q62
CK15K020	1C2015 05	22.49021	13 08	49.61 -04	19 42.8		vEK056Q62
CK15K020	1C2015 05	22.49209	13 08	49.84 -04	19 37.1	20.1	TvEK056Q62

## Observer details:

[291 LPL/Spacewatch II](#). Observer R. A. Mastaler. 1.8-m f/2.7 reflector + CCD.  
[568 Mauna Kea](#). Observers R. J. Wainscoat, P. Forshay. Measurers M. Micheli, R. J. Wainscoat. 3.6-m Canada-France-Hawaii Telescope + CCD.  
[926 Tenagra II Observatory](#). Observers M. Schwartz, P. R. Holvorcem. Measurer M. Schwartz. 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.  
[J57 Centro Astronomico Alto Turia, Valencia](#). Observer G. Fornas. Measurers A. Carrero, V. Mas. 0.40-m f/10 Schmidt-Cassegrain + CCD.  
[Q62 iTelescope Observatory, Siding Spring](#). Observer H. Sato. 0.70-m f/6.6 astrograph + CCD.  
[W96 CA0, San Pedro de Atacama \(since 2013\)](#). Observers A. Maury, J. F. Soulier. Measurer J. F. Soulier. 0.4-m f/8 Ritchey-Chretien + CCD.

## Orbital elements:

C/2015 K2 (PANSTARRS)  
 T 2015 June 8.80341 TT MPCW  
 q 1.4566162 (2000.0) P Q  
 Peri. 15.77500 -0.53195069 +0.77695617

Node 223.68573 -0.82004303 -0.57180306  
 e 1.0 Incl. 29.17484 -0.21108741 +0.26340153  
 From 30 observations 2015 May 18-22.

Ephemeris:

Date	TT	C/2015 K2 (PANSTARRS) R. A. (2000)	Decl.	Delta	r	Elong.	Phase	m1	m2
2015 04 23		12 25 06.0	-28 24 08	0.6392	1.5999	152.5	16.9	21.1	
...									
2015 05 08		12 42 38.6	-16 51 23	0.5734	1.5250	147.7	20.7	20.6	
...									
2015 05 16		12 56 03.9	-09 53 10	0.5633	1.4954	142.0	24.6	20.5	
...									
2015 05 22		13 07 48.6	-04 44 22	0.5672	1.4785	137.0	27.8	20.5	
2015 05 23		13 09 53.6	-03 54 33	0.5688	1.4761	136.1	28.4	20.5	
2015 05 24		13 12 00.6	-03 05 22	0.5707	1.4739	135.3	28.9	20.5	
...									
2015 05 30		13 25 20.3	+01 33 33	0.5868	1.4633	130.3	31.9	20.5	
...									
2015 06 07		13 44 25.7	+06 51 58	0.6205	1.4568	124.2	35.2	20.6	
...									
2015 06 22		14 22 26.1	+13 42 24	0.7138	1.4687	115.1	38.8	20.9	

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