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MPEC 2015-Y20 : COMET C/2015 X8 (NEOWISE)

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M.P.E.C. 2015-Y20

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COMET C/2015 X8 (NEOWISE)

Observations:

CK15X080	S2015	12	14.63534	12	29	57.39	+32	42	48.0	16	TLEY020C51
CK15X080	s2015	12	14.63534	1	-	5830.6777	-	881.7209	+ 3509.3113		EY020C51
CK15X080	S2015	12	14.76637	12	29	45.15	+32	53	44.0		LEY020C51
CK15X080	s2015	12	14.76637	1	-	5793.3168	-	899.9663	+ 3565.9140		EY020C51
CK15X080	S2015	12	14.83195	12	29	39.20	+32	59	12.4		LEY020C51
CK15X080	s2015	12	14.83195	1	-	5796.8028	-	906.0134	+ 3558.7553		EY020C51
CK15X080	S2015	12	14.96311	12	29	27.13	+33	10	12.4		LEY020C51
CK15X080	s2015	12	14.96311	1	-	5803.7672	-	918.1268	+ 3544.3582		EY020C51
CK15X080	S2015	12	15.09414	12	29	14.97	+33	21	15.7		LEY020C51
CK15X080	s2015	12	15.09414	1	-	5766.0093	-	936.0464	+ 3600.6634		EY020C51
CK15X080	S2015	12	15.09427	12	29	14.92	+33	21	16.7		LEY020C51
CK15X080	s2015	12	15.09427	1	-	5810.6989	-	930.2677	+ 3529.8962		EY020C51
CK15X080	6C2015	12	18.21948	12	23	29.99	+38	02	29.7		vEY020I89
CK15X080	6C2015	12	18.22070	12	23	29.83	+38	02	36.8		vEY020I89
CK15X080	6C2015	12	18.22242	12	23	29.64	+38	02	46.7	15.9	TvEY020I89
CK15X080	"C2015	12	18.44134	12	23	01.23	+38	23	44.4	19.2	TqEY020U69
CK15X080	"C2015	12	18.44400	12	23	00.85	+38	23	58.8	19.3	TqEY020U69
CK15X080	,C2015	12	18.47164	12	22	57.18	+38	26	39.6	17.2	TqEY020U69
CK15X080	,C2015	12	18.47378	12	22	56.89	+38	26	52.1	17.2	TqEY020U69
CK15X080	!C2015	12	18.47568	12	22	56.52	+38	27	03.0	18.0	ToEY020695
CK15X080	!C2015	12	18.47695	12	22	56.38	+38	27	11.2	18.0	ToEY020695
CK15X080	,C2015	12	18.47697	12	22	56.50	+38	27	11.0	17.4	TqEY020U69
CK15X080	!C2015	12	18.47784	12	22	56.27	+38	27	16.2	18.0	ToEY020695
CK15X080	!C2015	12	18.47926	12	22	56.09	+38	27	24.5	18.0	ToEY020695
CK15X080	!C2015	12	18.48065	12	22	55.72	+38	27	31.2	18.1	ToEY020695

Observer details:

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

C51 WISE. Measurers A. K. Mainzer, S. B. Fajardo-Acosta, J. D. Kirkpatrick, J. M. Bauer, T. Grav, J. R. Masiero, J. W. Dailey, R. M. Cutri, E. L. Wright, C. Nugent, S. Sonnett, E. Kramer.

I89 iTelescope Observatory, Nerpio. Observer H. Sato. 0.43-m f/6.8 astrograph + CCD.

U69 iTelescope SRO Observatory, Auberry. Observers M. Suzuki, C. Jacques, E. Pimentel, J. Barros. Measurers M. Suzuki, C. Jacques. 0.61-m f/6.5 astrograph + CCD, 0.61-m f/6.5 reflector + CCD.

Orbital elements:

C/2015 X8 (NEOWISE)		MPCW	
T	2015 Oct. 25.52355 TT	P	Q
q	1.2119000	(2000.0)	
	Peri.	22.20427	-0.97362146
	Node	190.79329	+0.08625477
e	1.0	Incl.	155.03596
			+0.21123768
			+0.71462307

From 18 observations 2015 Dec. 14-18.

Ephemeris:

C/2015 X8 (NEOWISE)											
Date	TT	R.	A.	(2000)	Decl.	Delta	r	Elong.	Phase	m1	m2
2015 11 18		12 43	25.5	+10 06 06		1.6380	1.2658	50.5	37.1	18.1	
...											
2015 12 03		12 40	14.5	+19 55 44		1.2995	1.3503	70.9	43.6	17.9	
...											
2015 12 11		12 34	30.1	+28 02 17		1.1218	1.4078	83.6	44.0	17.7	
...											
2015 12 17		12 25	57.9	+36 08 38		1.0029	1.4555	94.2	42.4	17.6	
2015 12 18		12 23	57.9	+37 41 33		0.9851	1.4638	96.0	42.0	17.6	
2015 12 19		12 21	44.6	+39 17 59		0.9680	1.4722	97.9	41.5	17.6	
...											
2015 12 25		12 01	44.8	+50 06 39		0.8845	1.5243	109.3	37.5	17.6	
...											
2016 01 02		10 54	39.4	+66 02 39		0.8402	1.5979	122.2	31.4	17.7	
...											
2016 01 17		04 39	51.7	+70 09 59		1.0006	1.7456	123.2	28.1	18.4	
Gareth V. Williams		(C) Copyright 2015 MPC				M.P.E.C. 2015-Y20					

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