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## MPEC 2015-H102: DAILY ORBIT UPDATE (2015 APR. 23 UT)

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M.P.E.C. 2015-H102

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DAILY ORBIT UPDATE (2015 APR. 23 UT)

Update to [MPEC 2015-H79](#)

Full-precision elements for the objects listed here are available at <http://www.minorplanetcenter.net/iau/MPCORB.html>

### Erroneous identifications:

# K05K08Z	K15FQ0N	MPO332363
# K10P03D	K13G50V	MPO259267

### New identifications:

K15BA7K	K11008X	MPCW			
K15BU3L	K10B90D	MPCW			
K15C56Z	K09BB7Q	MPCW			
K15C57D	K03UZ1J	MPCW			
K15C62C	K06W25X	MPCW			
K15D97U	K09C13W	MPCW			
K15DB7T	K10X29K	MPCW			
K15DB8S	K12H68C	MPCW			
K15DC2Z	K05Uj3S	K11FE2W	MPCW		
K15DC4C	K11A28P	MPCW			
K15DC4Y	K05GH3E	K10M96Z	MPCW		
K15DC5B	K10B84X	MPCW			
K15DC7X	K09V90C	MPCW			
K15DD3Z	K13W98F	MPCW			
K15DD5P	K02XA4R	K13X24Z	MPCW		
K15DF2Q	K11B85W	MPCW			
K15DF3T	K10A34H	MPCW			
K15DF6K	K13YE9G	MPCW			
K15DG6J	K05V83V	K09WH3F	MPCW		
K15DJ7V	K06S07O	K10N91B	MPCW		
K15DK5O	K05Ud0Y	K11FA3H	MPCW		
K15DK5T	K02Ta7R	K10B71C	MPCW		
K15DK5Z	K11E21F	MPCW			
K15DK6G	K08A37A	K10W32B	MPCW		
K15DK6J	K13W95N	MPCW			
K15DK6Y	K10M02X	MPCW			
K15DK7B	K05F00Z	K10CF5O	MPCW		
K15DK7K	K02U76B	K06UT3U	MPCW		
K15DK7Q	K10K20L	MPCW			
K15DK7X	K05K08Z	K14B10V	MPCW		
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K15G30E	K04FB9P	K05T57C		MPCW
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K15G30V	K06DC4L			MPCW
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K15G33F	K08B00Z			MPCW
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K15G34E	K09F26S			MPCW
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K15G34L	J99RL6S			MPCW
K15G34S	K06SY3Y	K08CE5A		MPCW
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K15H06Z	K09C13K			MPCW
K15H07L	K11FA4E			MPCW
K15H08C	K12Q41C			MPCW
K15H08R	K11E37X	K12S65F		MPCW
K15H08Z	K10A19Q			MPCW
K15H09A	K00GG1S	K06VC1K		MPCW

## New double designation:

K10B58X	K10N33X			MPCW
K10B59A	K10N97U			MPCW
K10B71C	K10NA7T			MPCW
K10B75N	K10NA9G			MPCW
K10CF5O	K10KA3K			MPCW

K10J87Z	K10P31K	MPCW
K11C79J	K11E10J	MPCW
K11E37X	K11J26U	MPCW
K11FE2W	K11H67N	MPCW
K11UM3A	K11W17Y	MPCW
K12V83B	K12X69D	MPCW
K14A34X	K14A55D	MPCW

## New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J98G10L	19.1	0.15	K156R	27.272	287.496	193.209	8.689	0.66881	3.16982	3	X
J99E05D	19.6	0.15	K156R	339.542	274.013	5.563	18.182	0.46598	1.74572	5	X
K00AK5H	22.4	0.15	K156R	280.981	117.770	248.149	2.584	0.40581	1.14411	2	X
K00RA6K	16.3	0.15	K156R	308.250	292.881	10.840	12.283	0.29493	3.03683	4	X
K00U03J	17.5	0.15	K156R	72.546	39.482	45.574	27.496	0.33268	2.28204	3	X
K01S87R	15.9	0.15	K156R	248.098	324.267	341.684	11.388	0.07922	3.04265	4	X
K01S97J	16.0	0.15	K156R	214.056	347.417	347.120	11.321	0.07609	3.08352	4	X
K01UN1N	16.1	0.15	K156R	103.725	252.676	179.323	13.095	0.10960	3.18323	6	X
K01XK2B	17.1	0.15	K156R	20.340	96.699	103.495	13.620	0.31322	2.60628	7	X
K01Y81G	15.5	0.15	K156R	199.476	269.109	105.546	26.604	0.34230	3.15556	4	X
K02C10K	18.0	0.15	K156R	107.280	97.310	345.549	19.291	0.15277	1.88385	3	X
K02G26R	16.5	0.15	K156R	5.170	144.533	47.871	25.852	0.17316	2.68641	4	X
K02G89K	18.4	0.15	K156R	119.146	280.113	201.667	21.389	0.06128	1.87890	5	X
K02J14B	17.5	0.15	K156R	313.464	72.658	225.842	7.059	0.18740	2.19776	4	X
K02L01Y	22.1	0.15	K156R	267.747	134.277	247.921	2.901	0.37872	0.95489	4	X
K02R03D	17.5	0.15	K156R	300.148	171.038	152.510	6.514	0.16359	2.25390	7	X
K02RF6H	18.2	0.15	K156R	303.935	23.929	264.784	1.855	0.28698	2.26872	5	X
K02V46T	15.7	0.15	K156R	77.796	4.319	65.321	11.035	0.21265	3.15286	5	X
K02V72Z	16.6	0.15	K156R	186.476	305.791	57.577	23.595	0.15361	2.38716	5	X
K03C01Q	15.8	0.15	K156R	104.295	316.803	130.202	28.756	0.21494	3.17413	5	X
K03M07D	20.1	0.15	K156R	226.775	185.188	200.556	5.790	0.59447	1.46682	4	X
K03S56O	16.7	0.15	K156R	303.005	257.181	78.308	14.116	0.31808	2.59687	5	X
K03SP3K	17.7	0.15	K156R	231.218	196.323	169.225	1.766	0.25700	2.69375	4	X
K03Sd4Z	16.7	0.15	K156R	66.569	25.828	135.261	8.061	0.14398	2.77032	6	X
K03UX4N	19.0	0.15	K156R	196.702	192.723	198.547	4.283	0.12391	2.19586	4	X
K04F95T	17.1	0.15	K156R	34.605	161.993	358.498	25.170	0.18321	2.36270	3	X
K04G77O	16.0	0.15	K156R	19.181	45.994	158.055	24.066	0.20777	3.10510	5	X
K04Q01Z	20.8	0.15	K156R	64.365	186.585	257.726	5.497	0.70998	1.86543	2	X
K04TQ2S	17.2	0.15	K156R	117.139	43.122	35.910	15.927	0.30667	2.71497	4	X
K05J27T	16.5	0.15	K156R	342.253	121.040	137.363	16.308	0.25296	2.94193	5	X
K05J29J	17.7	0.15	K156R	13.256	1.844	189.098	9.178	0.17269	2.27620	2	X
K05N39Y	20.7	0.15	K156R	333.644	343.404	314.404	2.949	0.48687	2.25661	2	W
K05NA3H	16.9	0.15	K156R	12.277	81.940	118.193	5.496	0.27403	3.06357	6	X
K05QB1C	15.9	0.15	K156R	298.802	139.367	179.381	9.473	0.16455	3.13573	5	X
K05QFOE	16.1	0.15	K156R	299.575	149.482	172.026	8.715	0.16962	3.14195	7	X
K05ST1G	17.9	0.15	K156R	238.561	150.104	183.816	22.496	0.08000	1.95508	6	X
K05T02M	18.2	0.15	K156R	221.114	184.795	190.533	21.972	0.08821	1.92969	4	X
K05U05C	18.2	0.15	K156R	52.950	321.565	215.840	19.999	0.07166	1.95840	4	X
K05Y07L	16.7	0.15	K156R	13.193	124.841	100.824	7.595	0.20060	2.57793	4	X
K06A01N	17.4	0.15	K156R	59.471	52.036	124.434	25.063	0.06123	2.00567	4	X
K06B74J	17.6	0.15	K156R	7.429	209.125	343.305	7.334	0.20970	2.69572	2	X
K06B16U	16.6	0.15	K156R	43.037	165.424	329.674	14.436	0.19873	2.73095	3	X
K06E13D	17.3	0.15	K156R	353.097	243.068	356.862	3.026	0.08193	2.66391	7	X
K06E18H	17.0	0.15	K156R	335.873	227.591	355.284	12.655	0.05733	2.74540	3	X
K06F00J	20.3	0.15	K156R	189.981	229.152	187.680	27.714	0.28749	1.17922	2	X
K06K13U	16.9	0.15	K156R	346.638	164.323	85.319	14.695	0.19403	2.74292	4	X
K06K20R	19.2	0.15	K156R	347.011	45.800	227.658	3.671	0.33390	2.09197	4	X
K06K44T	17.2	0.15	K156R	342.013	98.206	174.558	12.617	0.20721	2.71164	5	X
K06D1N	15.6	0.15	K156R	5.595	358.318	221.203	14.496	0.06744	3.18643	5	X
K06UO2C	15.7	0.15	K156R	31.044	353.730	207.275	26.846	0.06791	3.12463	5	X
K06UV3K	17.5	0.15	K156R	3.276	309.022	245.887	6.226	0.07398	2.35568	6	X
K07B00H	18.5	0.15	K156R	173.893	286.600	126.568	22.858	0.07833	1.86151	3	X
K07C51V	16.8	0.15	K156R	39.498	81.441	80.271	8.104	0.12496	2.46251	4	X
K07D22X	17.1	0.15	K156R	321.322	252.828	340.795	14.208	0.05262	2.52315	4	X
K07E13P	17.3	0.15	K156R	109.507	334.766	154.520	7.267	0.05279	2.39222	5	X
K07E52C	17.3	0.15	K156R	16.091	199.050	340.700	10.654	0.14739	2.53019	4	X
K07E87T	17.9	0.15	K156R	23.184	21.150	182.057	26.496	0.06145	1.91274	3	X
K07F35T	18.6	0.15	K156R	359.640	76.194	179.728	22.880	0.07130	1.89475	4	X
K07L05E	16.5	0.15	K156R	191.179	263.495	96.402	22.951	0.07284	2.65530	4	X
K07P27Z	16.9	0.15	K156R	335.184	191.796	97.933	7.291	0.26428	2.61481	5	X
K07T24V	17.8	0.15	K156R	317.700	97.650	215.746	26.802	0.33055	1.98714	5	X
K07V07P	16.9	0.15	K156R	325.283	91.397	196.254	11.123	0.09334	2.84892	5	X
K07VX0S	15.6	0.15	K156R	148.414	304.780	80.497	19.828	0.10720	3.18699	5	X
K07Y30A	15.3	0.15	K156R	34.445	92.259	74.591	33.108	0.15658	3.21918	5	X
K08A39H	17.9	0.15	K156R	28.066	82.620	115.088	6.467	0.10392	2.22707	2	X
K08D66R	18.0	0.15	K156R	3.786	86.919	160.989	5.947	0.13380	2.22827	5	X
K08E87C	16.6	0.15	K156R	68.112	338.978	134.720	24.493	0.19548	2.30357	3	X
K08F03L	18.1	0.15	K156R	317.478	163.238	140.981	5.998	0.15483	2.21277	6	X
K08FA2N	17.9	0.15	K156R	16.992	75.161	148.632	5.698	0.21825	2.29926	5	X
K08FC2R	17.9	0.15	K156R	16.195	66.744	161.998	7.774	0.11662	2.28501	4	X
K08G04A	19.2	0.15	K156R	68.320	0.660	83.094	6.319	0.66945	1.76992	3	X
K08G61Y	18.1	0.15	K156R	354.707	146.178	103.699	7.126	0.13547	2.28703	5	X
K08GC6D	17.7	0.15	K156R	350.963	323.243	249.350	2.994	0.13434	2.35872	3	X
K08H51H	17.9	0.15	K156R	3.175	9.810	218.620	7.046	0.16937	2.32966	3	X
K08RD7P	16.8	0.15	K156R	153.789	246.472	183.019	21.813	0.04966	2.60261	5	X
K08S08J	16.1	0.15	K156R	138.936	215.673	178.900	15.719	0.17627	2.75783	7	X
K08S31Z	16.1	0.15	K156R	167.753	26.854	350.305	12.009	0.13930	2.75606	4	X
K08SB5Q	16.7	0.15	K156R	134.146	260.239	185.144	21.885	0.05089	2.67126	3	X
K08SLOF	16.5	0.15	K156R	224.077	156.989	179.161	16.243	0.21958	2.64818	6	X
K08SU4F	17.1	0.15	K156R	34.692	78.608	126.343	6.592	0.08073	2.60827	6	X
K08T80N	17.1	0.15	K156R	349.540	222.189	19.464	9.041	0.11728	2.57462	3	X
K08TE2E	16.7	0.15	K156R	31.657	332.128	184.433	9.230	0.10107	2.76527	6	X
K08U74K	17.7	0.15	K156R	234.219	330.677	33.256	12.482	0.25381	2.62053	3	X
K08V14P	16.5	0.15	K156R	62.951	77.477	357.770	22.931	0.43077	3.13972	3	X
K08W01N	17.7	0.15	K156R	137.165	18.912	65.330	24.099	0.07432	1.94020	5	X
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 K15H09F 5C2015 04 22.33151 13 51 05.73 -11 58 10.8  
 K15H09F 5C2015 04 22.33475 13 51 05.36 -11 58 06.6  
 K15H09F 5C2015 04 22.33799 13 51 04.98 -11 58 02.3  
 K15H09F 5C2015 04 22.34124 13 51 04.60 -11 57 58.2  
 K15H09F 5C2015 04 22.34446 13 51 04.23 -11 57 54.1  
 K15H09R 5C2015 04 22.25186 13 31 10.08 -15 19 50.6  
 K15H09R 5C2015 04 22.25510 13 31 10.19 -15 19 45.9  
 K15H09R 5C2015 04 22.25841 13 31 10.31 -15 19 41.1  
 K15H09R 5C2015 04 22.26158 13 31 10.43 -15 19 36.3  
 K15H09R 5C2015 04 22.26484 13 31 10.56 -15 19 31.5  
 K15H09W C2015 04 21.98045 14 26 00.05 -05 59 31.6  
 K15H09W C2015 04 21.98276 14 25 59.29 -05 59 46.5  
 K15H09W C2015 04 21.98505 14 25 58.52 -06 00 01.7  
 K15H09W C2015 04 21.98735 14 25 57.77 -06 00 16.5  
 K15H09W C2015 04 21.98964 14 25 56.99 -06 00 31.8  
 K15H09W C2015 04 21.99195 14 25 56.24 -06 00 46.7  
 K15H09W C2015 04 22.05146 14 25 36.38 -06 07 15.1  
 K15H09W C2015 04 22.05375 14 25 35.62 -06 07 30.0  
 K15H09W C2015 04 22.05605 14 25 34.84 -06 07 45.4  
 K15H09W C2015 04 22.05834 14 25 34.09 -06 08 00.2  
 K15H09W C2015 04 22.06065 14 25 33.34 -06 08 15.0  
 K15H09W C2015 04 22.06294 14 25 32.58 -06 08 29.8  
 K15H10B KC2015 04 23.41581 15 07 05.11 -23 59 28.4  
 K15H10B KC2015 04 23.41847 15 07 04.82 -23 59 27.8  
 K15H10B KC2015 04 23.42113 15 07 04.56 -23 59 26.6  
 K15H10E KC2015 04 22.95549513 19 45.60 -11 12 01.1  
 K15H10E KC2015 04 22.95779813 19 41.59 -11 13 12.7  
 K15H10E KC2015 04 22.96010613 19 37.56 -11 14 24.2  
**K15H10E** ]C2015 04 23.22024 13 12 16.78 -13 31 52.0  
**K15H10E** ]C2015 04 23.22074 13 12 15.84 -13 32 08.3  
**K15H10E** ]C2015 04 23.22123 13 12 14.88 -13 32 24.6  
**K15H10E** ]C2015 04 23.22172 13 12 13.94 -13 32 41.0  
 K15H10L\*5C2015 04 18.25729 13 24 26.37 -14 05 38.1  
 K15H10L 5C2015 04 18.26056 13 24 25.66 -14 05 44.7  
 K15H10L 5C2015 04 18.26380 13 24 24.94 -14 05 51.0  
 K15H10L 5C2015 04 18.26704 13 24 24.25 -14 05 57.2

**19.1** RoEH102695  
 19.1 RoEH102926  
 19.1 RoEH102926  
 oEH102291  
 21.0 RoEH102291  
 20.5 RoEH102291  
 21.7 RoEH102291  
 19.3 RteEH102568  
 19.4 RteEH102568  
 19.3 VqEH102A13  
 19.9 VqEH102A13  
 19.8 VqEH102A13  
 18.6 RteEH102568  
 18.6 RteEH102568  
 20.7 VqEH102703  
 21.0 VqEH102703  
 20.6 VqEH102703  
 18.9 VqEH102G96  
 18.9 VqEH102G96  
 18.7 VqEH102G96  
 18.8 VqEH102G96  
 19.1 VqEH102703  
 18.8 VqEH102703  
 19.2 VqEH102703  
 19.1 VqEH102703  
 19.9 VqEH102151  
 20.0 VqEH102151  
 20.0 VqEH102151  
 23.5 VLEH102W84  
 LEH102W84  
 LEH102W84  
 LEH102W84  
**22.2** RoEH102695  
**22.1** RoEH102695  
**22.3** RoEH102695  
**22.4** RoEH102695  
 22.0 VLEH102W84  
 LEH102W84  
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 LEH102W84  
 LEH102W84  
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 21.9 VLEH102W84  
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 21.2 VLEH102W84  
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 23.4 VLEH102W84  
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 20.6 V EH102033  
 20.8 V EH102033  
 20.8 V EH102033  
 20.8 V EH102033  
 21.1 V EH102033  
 21.1 V EH102033  
 20.4 V EH102033  
 20.4 V EH102033  
 20.5 V EH102033  
 20.5 V EH102033  
 20.1 V EH102033  
 20.1 V EH102033  
 20.9 RoEH102291  
 20.8 RoEH102291  
 20.5 RoEH102291  
 qEH102J95  
 qEH102J95  
 18.6 RqEH102J95  
**18.5** RoEH102695  
**18.6** RoEH102695  
**18.7** RoEH102695  
**18.5** RoEH102695  
 22.9 VLEH102W84  
 LEH102W84  
 LEH102W84  
 LEH102W84



W5769	5C2015	04	22.10559	12	52	13.60	-20	14	44.9		LEH102W84
W5769	5C2015	04	22.10879	12	52	13.30	-20	14	44.0		LEH102W84
W5769	5C2015	04	22.11196	12	52	13.00	-20	14	43.1		LEH102W84
W5769	5C2015	04	22.11519	12	52	12.70	-20	14	42.2		LEH102W84
X7069	5C2015	04	22.39691	15	00	46.08	-32	25	42.8	17.4	VLEH102W84
X7069	5C2015	04	22.40016	15	00	46.21	-32	25	47.0		LEH102W84
X7069	5C2015	04	22.40337	15	00	46.33	-32	25	51.0		LEH102W84
X7069	5C2015	04	22.40662	15	00	46.46	-32	25	55.2		LEH102W84
X7069	5C2015	04	22.40985	15	00	46.58	-32	25	59.3		LEH102W84
Y5646	C2015	04	23.24345	11	04	29.93	+01	07	58.4	17.6	VqEH102703
Y5646	C2015	04	23.24846	11	04	30.39	+01	07	21.3	17.7	VqEH102703
Y5646	C2015	04	23.25346	11	04	30.84	+01	06	44.6	17.5	VqEH102703
Y5646	C2015	04	23.25847	11	04	31.25	+01	06	08.0	17.6	VqEH102703
f6186	C2015	04	21.94764	14	21	46.51	+03	40	23.6	18.0	woEH102K95
f6186	C2015	04	21.95544	14	21	45.33	+03	40	20.6	17.9	woEH102K95
f6186	C2015	04	21.96579	14	21	43.76	+03	40	16.4	18.7	woEH102K95
f7264	KC2015	04	22.10651608	22	12.35	+51	33	55.1		18.5	RqEH102448
f7264	KC2015	04	22.11130208	22	14.10	+51	34	02.5		18.4	RqEH102448
f7264	KC2015	04	22.11609608	22	15.75	+51	34	09.2		18.6	RqEH102448
f7264	KC2015	04	22.12085408	22	17.50	+51	34	15.8		18.3	RqEH102448
f7264	KC2015	04	22.12589108	22	19.31	+51	34	22.8		18.2	RqEH102448
g5450	KC2015	04	22.85406	14	58	29.32	+25	26	00.4	18.3	VqEH102A13
g5450	KC2015	04	22.89079	14	58	32.08	+25	26	40.8	18.6	VqEH102A13
g5450	KC2015	04	22.92605	14	58	34.68	+25	27	19.0	18.4	VqEH102A13
h0552	C2015	04	23.30246	13	52	51.62	+35	11	00.6	19.2	VqEH102703
h0552	C2015	04	23.30759	13	52	51.25	+35	11	03.6	19.1	VqEH102703
h0552	C2015	04	23.31269	13	52	50.86	+35	11	06.3	19.8	VqEH102703
h0552	C2015	04	23.31778	13	52	50.44	+35	11	09.3	19.5	VqEH102703
h1760	5C2015	04	22.08691	12	47	43.96	-09	28	23.2	20.8	VLEH102W84
h1760	5C2015	04	22.09010	12	47	43.59	-09	28	20.2		LEH102W84
h1760	5C2015	04	22.09329	12	47	43.21	-09	28	17.2		LEH102W84
h1760	5C2015	04	22.09646	12	47	42.85	-09	28	14.3		LEH102W84
h1760	5C2015	04	22.09964	12	47	42.47	-09	28	11.3		LEH102W84

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