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## MPEC 2014-C12 : DAILY ORBIT UPDATE (2014 FEB. 5 UT)

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M.P.E.C. 2014-C12

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DAILY ORBIT UPDATE (2014 FEB. 5 UT)

Update to [MPEC 2014-C10](#)

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New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J95V17U	19.0	0.15	K13B4	318.930	45.285	49.290	3.413	0.20968	2.35929	4	W
J96X17C	15.8	0.15	K13B4	264.778	274.653	103.610	10.791	0.08842	3.45118	4	X
K00A92R	16.4	0.15	K13B4	292.225	223.044	304.252	24.375	0.17452	2.31590	4	X
K00AG2O	17.0	0.15	K13B4	287.927	231.451	306.066	17.553	0.05279	1.98382	5	X
K00D57M	17.8	0.15	K13B4	336.922	314.778	173.418	5.584	0.20891	2.31758	4	X
K00G02F	20.5	0.15	K13B4	224.361	108.043	176.079	9.628	0.37767	1.34097	3	X
K00SC5O	16.6	0.15	K13B4	57.302	293.843	81.316	4.250	0.35466	2.58800	3	X
K01O43N	15.9	0.15	K13B4	76.045	40.464	332.846	15.799	0.28514	3.09233	4	X
K01R12C	15.7	0.15	K13B4	31.422	185.486	208.934	27.331	0.63983	3.22332	5	X
K01UJ0S	17.3	0.15	K13B4	283.649	98.423	10.070	12.565	0.26588	2.54720	4	X
K02C04H	17.1	0.15	K13B4	312.181	116.162	46.472	12.207	0.18351	2.54656	6	X
K02D01O	17.2	0.15	K13B4	3.947	272.404	168.426	5.323	0.27556	2.53133	4	X
K02EA5P	16.8	0.15	K13B4	179.790	161.822	44.122	9.963	0.28613	2.75702	4	W





























K13Y13V	16.4	0.15	K1413	348.722	210.497	292.800	12.073	0.11646	2.99311	39 S
K13Y17L	17.0	0.15	K1413	304.060	253.569	291.970	11.127	0.08170	2.70017	40 S
K13Y21F	18.2	0.15	K1413	70.285	24.500	321.447	7.615	0.43234	2.31077	40 W
K13Y27H	17.3	0.15	K1413	4.351	9.109	95.783	5.935	0.12491	2.68393	44 X
K13Y27W	18.1	0.15	K1413	326.585	49.193	104.790	4.124	0.15298	2.36227	29 S
K13Y27X	18.5	0.15	K1413	9.574	167.257	285.762	4.559	0.22819	2.35719	47 S
K13Y31W	17.2	0.15	K1413	6.358	168.561	301.073	12.918	0.20306	2.63780	42 X
K13Y33P	16.3	0.15	K1413	38.196	300.328	128.230	14.056	0.13891	3.15529	31 S
K13Y44S	16.7	0.15	K1413	338.863	210.158	298.577	12.107	0.18225	2.80428	37 S
K13Y45M	17.4	0.15	K1413	304.956	285.901	260.787	5.439	0.11117	2.41056	41 X
K13Y45Q	16.3	0.15	K1413	6.633	323.140	149.270	10.142	0.13082	2.69606	40 S
K13Y46X	18.1	0.15	K1413	19.718	2.642	69.736	5.239	0.29041	2.65187	40 X
K13Y60X	16.5	0.15	K1413	346.278	34.690	92.924	13.230	0.07852	3.20927	40 X
K13Y61E	17.1	0.15	K1413	7.759	143.846	317.316	8.174	0.11418	2.71309	40 X
K13Y63S	17.6	0.15	K1413	292.868	101.284	108.803	22.738	0.19301	2.32972	40 X
K13Y68E	17.6	0.15	K1413	40.257	320.439	111.304	3.584	0.17699	2.45600	37 X
K13Y68R	18.3	0.15	K1413	348.452	20.181	122.561	6.030	0.20172	2.38190	37 X
K13Y68S	17.8	0.15	K1413	10.981	346.450	121.188	7.353	0.25180	2.69620	37 X
K13Y68U	16.0	0.15	K1413	39.577	317.916	127.660	13.780	0.08993	3.09762	37 X
K13Y73X	17.6	0.15	K1413	358.848	4.523	117.798	14.651	0.18315	2.56582	39 S
K13Y77F	16.9	0.15	K13CE	10.679	349.566	99.806	16.133	0.13582	2.61110	64 S
K13Y77P	16.7	0.15	K1413	46.051	326.891	92.766	7.228	0.07023	2.83319	54 X
K13Y95H	17.9	0.15	K1413	343.552	38.972	102.862	7.333	0.23306	2.61495	46 S
K13Y98S	16.8	0.15	K1413	353.484	32.965	87.550	5.575	0.18267	3.09489	57 X
K13YA4G	17.1	0.15	K13CE	29.836	332.615	96.612	10.945	0.08768	2.33260	71 X
K13YA5H	16.9	0.15	K1413	335.505	177.263	342.195	14.842	0.31955	2.69807	38 X
K13YB0Q	17.2	0.15	K1413	0.920	264.038	211.056	7.421	0.18267	2.53096	40 X
K13YB5S	18.2	0.15	K1413	350.160	11.782	119.131	4.225	0.18466	2.34878	34 S
K13YB6E	18.4	0.15	K1413	359.926	22.149	101.709	4.513	0.05962	2.23185	37 X
K13YC3Y	16.5	0.15	K1413	47.988	96.166	331.799	7.636	0.12061	3.10192	37 X
K13YC4S	17.3	0.15	K1413	66.426	69.547	338.420	6.707	0.10647	2.37132	37 X
K13YC5X	16.9	0.15	K1413	346.021	40.851	101.870	6.071	0.03980	2.55550	37 X
K13YE8W	17.4	0.15	K13BO	41.739	294.986	58.075	9.818	0.26903	2.42635	50 S
K13YF0N	16.3	0.15	K13CE	2.075	358.544	94.236	22.766	0.02618	2.68986	56 S
K14A11V	17.5	0.15	K1413	18.753	312.134	126.312	12.343	0.21429	2.38487	27 S
K14A19E	17.7	0.15	K1413	336.580	25.996	121.881	8.563	0.12445	2.58699	32 S
K14A19L	18.1	0.15	K1413	76.556	85.165	299.744	17.466	0.10909	1.95446	43 X
K14A19S	17.8	0.15	K1413	2.479	223.063	253.256	3.823	0.26306	2.60823	43 X
K14A28M	17.1	0.15	K1413	342.564	201.147	308.416	6.019	0.08392	2.38231	55 S
K14A29U	15.1	0.15	K1413	329.580	220.873	304.773	26.191	0.14466	3.16559	54 X
K14A29V	17.5	0.15	K1413	46.442	285.373	131.993	5.845	0.18246	2.40400	24 S
K14A32P	17.9	0.15	K1413	79.328	250.748	124.912	25.577	0.14218	1.90755	29 X
K14A39U	18.0	0.15	K1413	61.867	298.059	115.733	24.231	0.07791	1.92317	56 X
K14A43J	18.0	0.15	K13CE	9.789	195.996	246.006	5.515	0.30559	2.60524	50 S
K14A43K	15.8	0.15	K1413	14.025	326.593	124.764	24.983	0.19527	3.19554	29 X
K14A46J	17.1	0.15	K1413	39.212	77.905	319.729	26.521	0.44384	2.60763	26 W
K14A53C	16.7	0.15	K1413	323.440	193.721	336.154	24.625	0.16429	2.30161	35 X
K14A53J	16.4	0.15	K1413	326.336	32.904	120.091	14.340	0.10816	2.69948	33 S
K14B00M	18.2	0.15	K1413	329.318	77.190	76.960	23.739	0.08827	1.87278	27 S
K14B02S	16.0	0.15	K1413	329.814	225.222	296.958	10.414	0.30440	3.31079	2 S
K14B08X	18.7	0.15	K141N	56.925	320.647	100.383	24.353	0.13458	1.86622	8 S
K14B12X	17.6	0.15	K141N	295.729	74.437	124.613	6.703	0.04252	2.35019	12 S
K14B13U	16.3	0.15	K141N	310.115	71.835	119.649	16.156	0.09395	2.56008	24 S
K14B17K	16.2	0.15	K13CE	20.772	144.514	305.566	21.503	0.03536	2.66156	67 S
K14B22T	17.2	0.15	K141N	25.068	297.209	162.840	3.848	0.17990	2.41668	12 W
K14B24Y	16.2	0.15	K141N	36.535	48.682	27.311	13.598	0.07911	2.73563	6 S
K14B25D	17.7	0.15	K1413	174.434	173.302	134.223	24.567	0.10795	1.92077	31 X
K14B31R	16.6	0.15	K1413	5.229	166.157	309.948	17.741	0.18334	3.05035	39 X
K14B35C	17.0	0.15	K141N	17.937	291.765	151.995	17.942	0.38562	3.09952	10 S
K14B36N	17.7	0.15	K141N	351.689	117.915	27.803	1.720	0.18409	2.61530	15 X
K14B41L	17.3	0.15	K1413	22.582	334.291	118.769	7.446	0.21611	2.55813	28 S
K14B54L	17.9	0.15	K1413	12.838	326.740	127.397	6.317	0.32078	2.59915	40 S
K14B55R	17.7	0.15	K141N	21.861	53.414	37.172	8.677	0.23288	2.52521	9 X
K14B57P	17.9	0.15	K141N	142.569	14.042	323.587	17.668	0.06880	1.95399	4 S
K14B62D	15.5	0.15	K141N	40.846	254.013	194.596	13.447	0.04254	3.13896	6 S
K14B62F	17.7	0.15	K141N	5.552	171.216	332.159	18.971	0.05651	1.95442	4 S
K14B62H	17.5	0.15	K141N	350.178	245.447	269.076	11.078	0.18923	2.54298	4 S
K14B62J	16.5	0.15	K141N	6.518	292.857	199.212	11.815	0.12427	2.63964	4 W
K14B62N	16.7	0.15	K141N	60.680	326.218	73.282	3.194	0.31189	2.54929	12 X
K14C00M	17.6	0.15	K141N	162.136	212.938	116.201	23.991	0.07652	1.95871	27 S

New observations:

K00G02F	KC2014	02	04.52530	13	29	17.57	-13	21	58.4		oEC012291
K00G02F	KC2014	02	04.53137	13	29	18.40	-13	22	01.3	21.6	RoEC012291
K00G02F	KC2014	02	04.53746	13	29	19.25	-13	22	03.5	21.7	RoEC012291
K01R12C	C2014	01	31.35054	11	00	06.23	-23	58	14.0	20.8	VuEC012807
K01R12C	C2014	01	31.35533	11	00	06.00	-23	58	13.3	20.6	VuEC012807
K01R12C	C2014	01	31.36034	11	00	05.79	-23	58	12.7	20.8	VuEC012807
K01R12C	C2014	02	03.20599	10	57	53.68	-23	51	20.9		uEC012807
K01R12C	C2014	02	03.21140	10	57	53.42	-23	51	20.5		uEC012807
K01R12C	C2014	02	03.22840	10	57	52.53	-23	51	17.0	20.8	VuEC012807
K02O04S	C2014	02	03.21043	10	56	10.87	-29	07	24.5	21.8	VuEC012807
K02O04S	C2014	02	03.22168	10	56	09.89	-29	07	31.1	22.0	VuEC012807
K02O04S	C2014	02	03.23280	10	56	08.98	-29	07	37.6	21.7	VuEC012807
K02T55X	3C2012	11	16.15719302	27	03.552+01	47	07	07.59		21.6	RtEC012W84
K02T55X	3C2012	11	16.15857202	27	03.635+01	47	08	08.58		21.6	RtEC012W84
K04F17M	C2014	02	03.36804	14	55	15.42	-19	27	31.4	20.3	VuEC012807
K04F17M	C2014	02	03.37107	14	55	15.87	-19	27	31.5	20.4	VuEC012807
K04F17M	C2014	02	03.37436	14	55	16.37	-19	27	31.3	20.1	VuEC012807
K04F17M	C2014	02	03.37767	14	55	16.86	-19	27	31.2	20.3	VuEC012807
K04F17M	C2014	02	03.38072	14	55	17.32	-19	27	31.1	20.3	VuEC012807
K07T19H	KC2014	02	04.45521	09	48	30.01	+16	08	41.1	21.6	RoEC012291
K07T19H	KC2014	02	04.46389	09	48	29.47	+16	08	44.3	21.7	RoEC012291
K07T19H	KC2014	02	05.22583	09	47	43.93	+16	13	06.3	21.4	RoEC012291
K07T19H	KC2014	02	05.23306	09	47	43.46	+16	13	08.5	21.6	RoEC012291
K07T19H	KC2014	02	05.24031	09	47	43.02	+16	13	11.5	21.8	RoEC012291
K08B02S	HC2014	02	05.12751	07	27	49.12	+26	22	10.4	21.2	VoEC012691
K08B02S	HC2014	02	05.14383	07	27	47.55	+26	22	07.9	21.1	VoEC012691
K08B02S	HC2014	02	05.16361	07	27	45.81	+26	22	03.5	21.2	VoEC012691
K08B16P	C2014	02	03.12735	09	51	54.45	+03	37	17.1	20.3	VuEC012807
K08B16P	C2014	02	03.13222	09	51	52.80	+03	37	41.7	20.3	VuEC012807
K08B16P	C2014	02	03.13827	09	51	50.79	+03	38	12.7	19.8	VuEC012807
K08R01J	C2014	02	03.12934	09	39	39.32	-11	53	14.7	20.0	VuEC012807
K08R01J	C2014	02	03.13575	09	39	38.91	-11	53	13.3	19.9	VuEC012807
K08R01J	C2014	02	03.14216	09	39	38.50	-11	53	11.9	20.0	VuEC012807
K11A26R	KC2014	02	05.19051	03	42	04.41	+37	51	56.7	21.1	RoEC012291
K11A26R	KC2014	02	05.19369	03	42	05.29	+37	51	51.2	21.1	RoEC012291
K11A26R	KC2014	02	05.19689	03	42	06.17	+37	51	45.4	21.2	RoEC012291
K11B15T	C2014	02	05.18348	09	34	46.49	+21	23	08.2	18.7	VoEC012691
K11B15T	C2014	02	05.20471	09	34	43.77	+21	23	20.4	18.7	VoEC012691
K11B15T	C2014	02	05.22248	09	34	41.49	+21	23	30.4	18.8	VoEC012691
K12A12W	KC2014	02	04.40085	01	32	06.30	-52	54	35.9	20.7	RoEC012474
K12A12W	KC2014	02	04.40789	01	32	10.76	-52	54	20.7	20.6	RoEC012474
K12A12W	KC2014	02	04.41493	01	32	15.13	-52	54	05.0	21.2	RoEC012474
K12B86F	C2014	02	05.22416	08	38	18.77	+37	26	23.2	19.1	VqEC012703
K12B86F	C2014	02	05.22917	08	38	14.84	+37	26	43.8	19.1	VqEC012703
K12B86F	C2014	02	05.23642	08	38	09.29	+37	27	14.6	19.0	VqEC012703
K12B86F	C2014	02	05.24145	08	38	05.37	+37	27	34.2	18.5	VqEC012703
K13G03M	3C2013	04	01.20388911	51	05.092+01	09	23	17		20.0	RtEC012W84
K13L28W	C2014	02	05.18401	08	47	21.85	+13	56	36.0	19.3	VqEC012703
K13L28W	C2014	02	05.18902	08	47	21.20	+13	56	51.6	19.2	VqEC012703
K13L28W	C2014	02	05.19403	08	47	20.63	+13	57	05.3	19.2	VqEC012703
K13L28W	C2014	02	05.24603	08	47	14.01	+13	59	34.7	18.9	RqEC012H15
K13L28W	C2014	02	05.25547	08	47	12.70	+14	00	01.0	18.7	RqEC012H15
K13L28W	C2014	02	05.26501	08	47	11.47	+14	00	27.6	18.8	RqEC012H15
K13M05Y	HC2014	02	05.24154	09	50	07.50	+17	40	49.8	20.8	VoEC012691
K13M05Y	HC2014	02	05.25929	09	50	05.40	+17	41	02.8	20.6	VoEC012691
K13O09M	KC2014	02	04.04723403	19	16.20	+45	39	42.3		20.8	VuEC012H21
K13O09M	KC2014	02	04.05675903	19	18.35	+45	39	31.8		21.0	VuEC012H21
K13U09H	KC2014	02	05.26373	05	57	19.16	-09	03	27.9	18.3	RoEC012291
K13U09H	KC2014	02	05.26571	05	57	19.39	-09	03	25.3	18.3	RoEC012291
K13U09H	KC2014	02	05.26768	05	57	19.63	-09	03	22.6	18.2	RoEC012291
K13U14X	C2014	01	05.55498	08	20	50.22	+34	12	47.1	19.6	VuEC012C15
K13U14X	C2014	01	05.57522	08	20	47.94	+34	12	58.4	20.0	VuEC012C15
K13U14X	C2014	01	05.58535	08	20	46.75	+34	13	04.0	19.3	VuEC012C15
K13U14X	KC2014	02	04.02949	07	35	15.19	+34	53	40.1	21.1	VqEC012H21
K13U14X	KC2014	02	04.03788	07	35	14.62	+34	53	38.7	20.5	VqEC012H21
K13U14X	KC2014	02	04.04623	07	35	14.14	+34	53	37.3	21.0	VqEC012H21
K13U14X	KC2014	02	04.13742007	35	08.29	+34	53	23.0		20.5	VuEC012H21
K13U14X	KC2014	02	04.14544807	35	07.83	+34	53	22.3		20.4	VuEC012H21
K13V13D	KC2014	02	04.01222202	51	33.39	+38	53	18.6		19.8	VuEC012H21
K13V13D	KC2014	02	04.01725802	51	34.38	+38	53	23.6		19.8	VuEC012H21
K13V13D	KC2014	02	04.02224502	51	35.42	+38	53	28.4		19.7	VuEC012H21
K13V13F	C2014	02	03.29682	14	25	10.80	-28	58	24.7	21.4	VuEC012807



K13V13F	C2014	02	03.30621	14	25	12.57	-28	57	53.7	21.0	VuEC012807
K13V13F	C2014	02	03.31561	14	25	14.32	-28	57	23.2	21.3	VuEC012807
K13X04A	KC2014	02	04.06556	09	38	40.73	+47	48	58.0	20.0	VqEC012H21
K13X04A	KC2014	02	04.07169	09	38	41.31	+47	48	52.7		qEC012H21
K13X04A	KC2014	02	04.07689	09	38	41.85	+47	48	49.4	20.0	VqEC012H21
K13X08X	C2014	02	05.13258	08	35	22.97	+12	23	26.6	19.7	RqEC012H15
K13X08X	C2014	02	05.14166	08	35	24.39	+12	23	20.0	19.4	RqEC012H15
K13X08X	C2014	02	05.15109	08	35	25.70	+12	23	13.5	19.1	RqEC012H15
K13X08X	C2014	02	05.16058	08	35	27.02	+12	23	05.7	19.8	RqEC012H15
K13X24N	C2014	02	03.36909	12	26	54.58	-35	23	23.0	20.0	VuEC012807
K13X24N	C2014	02	03.37543	12	26	54.24	-35	23	29.2	19.7	VuEC012807
K13X24N	C2014	02	03.38175	12	26	53.88	-35	23	35.3	20.2	VuEC012807
K13Y48B	KC2014	02	04.06008505	26	33.36	+19	17	56.0		22.5	VuEC012H21
K13Y48B	KC2014	02	04.07555905	26	34.00	+19	17	49.8		22.1	VuEC012H21
K13Y48B	KC2014	02	04.09321505	26	34.73	+19	17	43.1		22.1	VuEC012H21
K14A16G	JC2014	02	05.20124	08	46	49.86	+14	59	18.0	19.7	RoEC012695
K14A16G	JC2014	02	05.21218	08	46	49.45	+14	59	08.2	19.8	RoEC012695
K14A16G	JC2014	02	05.22266	08	46	49.05	+14	58	58.9	20.4	RoEC012695
K14A17A	KC2014	02	04.44967	03	55	03.84	-32	20	32.1	20.5	RoEC012474
K14A17A	KC2014	02	04.45179	03	55	03.13	-32	20	42.0	20.0	RoEC012474
K14A17A	KC2014	02	04.45439	03	55	02.23	-32	20	54.7	20.6	RoEC012474
K14A17A	KC2014	02	04.45675	03	55	01.42	-32	21	06.2	20.4	RoEC012474
K14A46Q	KC2014	02	05.20239	03	28	13.54	+18	09	47.0	20.5	RoEC012291
K14A46Q	KC2014	02	05.20545	03	28	14.19	+18	09	58.1	20.5	RoEC012291
K14A46Q	KC2014	02	05.20854	03	28	14.85	+18	10	09.0	20.6	RoEC012291
K14A51F	KC2014	02	04.48924	07	09	19.14	+13	49	34.8	19.8	RoEC012474
K14A51F	KC2014	02	04.49271	07	09	18.75	+13	49	34.9	20.2	RoEC012474
K14A51F	KC2014	02	04.49483	07	09	18.49	+13	49	35.0	19.8	RoEC012474
K14A51F	KC2014	02	04.49693	07	09	18.27	+13	49	34.9	19.6	RoEC012474
K14A51F	JC2014	02	05.17872	07	08	04.43	+13	49	06.5	20.0	RoEC012695
K14A51F	JC2014	02	05.18374	07	08	03.86	+13	49	06.7	20.2	RoEC012695
K14A51F	JC2014	02	05.18927	07	08	03.21	+13	49	06.6	20.2	RoEC012695
K14A51T	C2014	02	03.10796	08	18	04.51	+07	45	12.9	20.4	VuEC012807
K14A51T	C2014	02	03.11269	08	18	04.07	+07	45	19.5	20.4	VuEC012807
K14A51T	C2014	02	03.11744	08	18	03.62	+07	45	26.3	20.2	VuEC012807
K14A51T	KC2014	02	04.10595	08	16	48.33	+08	07	14.0	20.2	VqEC012H21
K14A51T	HC2014	02	04.11312	08	16	47.81	+08	07	24.0		qEC012H21
K14A51T	KC2014	02	04.12004	08	16	47.21	+08	07	32.9	19.9	VqEC012H21
K14B00Q	KC2014	02	04.56853	09	56	56.28	-15	24	09.1	20.9	RoEC012474
K14B00Q	KC2014	02	04.57089	09	56	57.03	-15	24	16.9	21.2	RoEC012474
K14B00Q	KC2014	02	04.57325	09	56	57.88	-15	24	25.9	20.9	RoEC012474
K14B00Q	KC2014	02	04.57560	09	56	58.62	-15	24	34.6	20.5	RoEC012474
K14B02W	KC2014	02	04.48191	05	45	22.89	-13	17	28.3	19.5	RoEC012474
K14B02W	C2014	02	04.48344	05	45	22.76	-13	17	25.9	19.5	RoEC012474
K14B02W	C2014	02	04.48414	05	45	22.72	-13	17	24.7	19.7	RoEC012474
K14B02W	C2014	02	04.48485	05	45	22.64	-13	17	23.5	19.8	RoEC012474
K14B02W	KC2014	02	05.25679	05	44	25.93	-12	56	22.8	19.6	RoEC012291
K14B02W	KC2014	02	05.25875	05	44	25.76	-12	56	19.4	19.6	RoEC012291
K14B02W	KC2014	02	05.26072	05	44	25.61	-12	56	16.0	19.6	RoEC012291
K14B03F	KC2014	02	05.21234	04	44	50.86	+20	28	03.8	21.7	RoEC012291
K14B03F	KC2014	02	05.21439	04	44	50.98	+20	28	10.8		oEC012291
K14B03F	KC2014	02	05.21643	04	44	51.12	+20	28	17.9		oEC012291
K14B08R	C2014	02	04.50087	07	36	31.37	-05	58	30.9	17.9	RoEC012474
K14B08R	C2014	02	04.50186	07	36	31.28	-05	58	35.3		oEC012474
K14B08R	C2014	02	04.50287	07	36	31.20	-05	58	40.7	18.1	RoEC012474
K14B08R	C2014	02	04.50488	07	36	31.06	-05	58	50.6	18.1	RoEC012474
K14B25H	KC2014	02	04.58009	10	12	23.96	+11	52	21.2	19.3	RoEC012474
K14B25H	KC2014	02	04.58221	10	12	23.72	+11	52	28.4	19.3	RoEC012474
K14B25H	KC2014	02	04.58432	10	12	23.47	+11	52	34.3	18.7	RoEC012474
K14B25H	KC2014	02	04.58643	10	12	23.22	+11	52	40.4	19.4	RoEC012474
K14B25H	KC2014	02	05.24527	10	11	22.18	+12	24	40.9	19.2	RoEC012291
K14B25H	KC2014	02	05.24654	10	11	22.05	+12	24	44.7	19.2	RoEC012291
K14B25H	KC2014	02	05.24781	10	11	21.91	+12	24	48.4	19.2	RoEC012291
K14B25J	KC2014	02	05.25040	10	45	25.21	+17	23	25.7	20.3	RoEC012291
K14B25J	KC2014	02	05.25172	10	45	25.82	+17	23	26.5	20.4	RoEC012291
K14B25J	KC2014	02	05.25304	10	45	26.43	+17	23	27.3	20.3	RoEC012291
K14B32W	C2014	02	04.16891	02	15	32.41	+54	07	07.9	18.1	RoEC012926
K14B32W	C2014	02	04.16964	02	15	22.50	+54	05	54.2	17.8	RoEC012926
K14B32W	C2014	02	04.17036	02	15	12.75	+54	04	41.3	18.0	RoEC012926
K14B33A	KC2014	02	05.27141	06	06	25.14	+43	48	29.8	20.5	RoEC012291
K14B33A	KC2014	02	05.27272	06	06	24.48	+43	48	36.9	20.6	RoEC012291
K14B33A	KC2014	02	05.27403	06	06	23.82	+43	48	44.1	20.4	RoEC012291

K14B43Q	KC2014	02	04.55984	09	43	45.17	-07	44	39.1	19.5	RoEC012474
K14B43Q	KC2014	02	04.56126	09	43	45.27	-07	44	50.9	19.6	RoEC012474
K14B43Q	KC2014	02	04.56267	09	43	45.39	-07	45	03.6	20.3	RoEC012474
K14B43Q	KC2014	02	04.56409	09	43	45.50	-07	45	16.6	19.8	RoEC012474
K14B43R	KC2014	02	04.54711	09	34	17.96	+01	16	33.2	19.9	RoEC012474
K14B43R	KC2014	02	04.54922	09	34	17.90	+01	16	30.7	19.4	RoEC012474
K14B43R	KC2014	02	04.55133	09	34	17.81	+01	16	28.4	20.4	RoEC012474
K14B43R	KC2014	02	04.55345	09	34	17.71	+01	16	25.5	20.2	RoEC012474
K14B43R	KC2014	02	04.55556	09	34	17.61	+01	16	23.2	19.7	RoEC012474
K14B43S	KC2014	02	04.05260	09	27	12.44	+50	59	05.9	19.3	VqEC012H21
K14B43S	KC2014	02	04.05616	09	27	11.44	+51	00	02.8	19.3	VqEC012H21
K14B43S	KC2014	02	04.05969	09	27	10.45	+51	00	59.5	19.3	VqEC012H21
K14B43T	KC2014	02	04.50921	07	42	11.49	-03	00	55.5	19.7	RoEC012474
K14B43T	KC2014	02	04.51241	07	42	10.79	-03	01	33.6	19.6	RoEC012474
K14B43T	KC2014	02	04.51561	07	42	10.03	-03	02	12.2	20.2	RoEC012474
K14B43T	KC2014	02	04.51685	07	42	09.71	-03	02	27.8	20.1	RoEC012474
K14B43T	KC2014	02	04.51827	07	42	09.37	-03	02	44.2	20.1	RoEC012474
K14B57R	HC2014	02	04.08516	09	54	54.98	+30	44	37.2	21.0	VqEC012H21
K14B57R	KC2014	02	04.09628	09	54	55.20	+30	44	55.6		qEC012H21
K14B57X	KC2014	02	04.59324	12	25	11.59	-02	35	11.8	21.5	RoEC012474
K14B57X	KC2014	02	04.60189	12	25	08.17	-02	36	26.7	21.2	RoEC012474
K14B57X	KC2014	02	04.60544	12	25	06.80	-02	36	57.2	20.2	RoEC012474
K14B60G	4C2014	02	03.37393	14	18	34.26	-27	19	03.4	20.8	rcEC012I11
K14B60G	4C2014	02	03.37583	14	18	34.76	-27	19	07.2	20.7	rcEC012I11
K14B60G	4C2014	02	03.37677	14	18	34.99	-27	19	09.2	20.9	rcEC012I11
K14B60G	4C2014	02	03.37772	14	18	35.23	-27	19	11.1	20.9	rcEC012I11
K14B60G	KC2014	02	04.62075	14	24	06.53	-28	00	26.3	21.2	RoEC012474
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K14C00E	2C2014	02	05.43623409	08	47.298	+27	12	02.14		20.1	RtEC012568
K14C00E	2C2014	02	05.43814409	08	47.777	+27	12	06.26		20.0	RtEC012568
10150	C2014	02	05.26664	08	47	25.16	+39	48	49.8	19.8	VqEC012703
10150	C2014	02	05.27165	08	47	24.66	+39	48	51.4	20.2	VqEC012703
10150	C2014	02	05.27666	08	47	24.30	+39	48	54.8	19.9	VqEC012703
10150	C2014	02	05.28166	08	47	23.82	+39	48	58.4	20.3	VqEC012703
31221	C2014	02	03.37135	15	36	09.06	-35	17	40.7	20.1	VuEC012807
31221	C2014	02	03.37760	15	36	10.20	-35	17	50.4	20.3	VuEC012807
31221	C2014	02	03.38389	15	36	11.35	-35	18	00.4	20.1	VuEC012807
35107	C2014	02	04.83897	13	17	39.78	+02	39	01.1	17.0	woEC012D54
35107	C2014	02	04.84519	13	17	40.26	+02	39	09.6	17.7	woEC012D54
88254	C2014	02	03.36963	15	35	17.79	-21	29	28.8	19.6	VuEC012807
88254	C2014	02	03.37393	15	35	17.90	-21	29	29.6	19.3	VuEC012807
88254	C2014	02	03.37910	15	35	18.03	-21	29	30.6	19.9	VuEC012807
E3404	C2014	02	05.13904	08	37	51.61	+14	49	48.4	19.0	RqEC012H15
E3404	C2014	02	05.14859	08	37	50.54	+14	49	51.5	19.2	RqEC012H15
E3404	C2014	02	05.15081	08	37	50.41	+14	49	53.0	19.2	RoEC012926
E3404	C2014	02	05.15802	08	37	49.64	+14	49	56.2	19.1	RqEC012H15
E3404	C2014	02	05.16751	08	37	48.71	+14	49	59.2	19.1	RqEC012H15
E3404	C2014	02	05.16900	08	37	48.61	+14	50	00.0	19.3	RoEC012926
E3404	C2014	02	05.17800	08	37	47.71	+14	50	04.1	19.5	VqEC012703
E3404	C2014	02	05.18301	08	37	47.29	+14	50	06.4	19.7	VqEC012703
E3404	C2014	02	05.18717	08	37	46.81	+14	50	07.7	19.3	RoEC012926
E3404	C2014	02	05.18801	08	37	46.73	+14	50	09.1	19.3	VqEC012703
E3404	C2014	02	05.19302	08	37	46.21	+14	50	10.9	19.5	VqEC012703
G2361	C2014	02	05.15708	08	12	10.53	+24	51	21.0	18.4	VqEC012703
G2361	C2014	02	05.16159	08	12	09.09	+24	51	27.1	18.4	VqEC012703
G2361	C2014	02	05.16609	08	12	07.72	+24	51	31.5	18.4	VqEC012703
G2361	C2014	02	05.17059	08	12	06.35	+24	51	38.1	18.6	VqEC012703
G2361	C2014	02	05.19696	08	11	58.37	+24	52	09.7	18.3	VqEC012703
G2361	C2014	02	05.19746	08	11	58.14	+24	52	10.9	18.4	VqEC012703
G2361	C2014	02	05.19796	08	11	57.98	+24	52	11.8	18.4	VqEC012703
G2361	C2014	02	05.19846	08	11	57.86	+24	52	12.0	18.6	VqEC012703
G2361	C2014	02	05.19896	08	11	57.68	+24	52	12.8	18.4	VqEC012703
G2566	C2014	02	04.84829	03	11	36.45	+42	08	53.5	16.4	VqEC012G34
G2566	C2014	02	04.85150	03	11	37.55	+42	08	51.2	16.6	VqEC012G34
G2566	C2014	02	04.85456	03	11	38.80	+42	08	48.5	16.2	VqEC012G34
G2566	C2014	02	04.85778	03	11	39.89	+42	08	45.7	16.3	VqEC012G34
G2566	C2014	02	04.86082	03	11	41.07	+42	08	42.3	16.3	VqEC012G34
G3679	C2014	02	05.29561	09	38	30.39	+29	17	21.6	19.0	VqEC012703
G3679	C2014	02	05.30060	09	38	29.53	+29	17	21.8	18.8	VqEC012703
G3679	C2014	02	05.30560	09	38	28.71	+29	17	23.3	18.9	VqEC012703
Y8306	C2014	02	02.08784	10	33	39.62	+38	31	24.8	16.4	RqEC012C23

Y8306	C2014 02 04.12024 10 23 42.61 +52 31 15.3	16.0 RqEC012C23
Y8306	C2014 02 04.12116 10 23 42.09 +52 31 44.0	16.0 RqEC012C23
Y8306	C2014 02 04.12230 10 23 41.44 +52 32 19.7	15.9 RqEC012C23
Y8306	C2014 02 04.12344 10 23 40.80 +52 32 55.4	16.0 RqEC012C23
c2459	C2014 02 05.27014 09 28 14.74 +37 21 20.2	20.4 VqEC012703
c2459	C2014 02 05.27516 09 28 13.95 +37 21 14.3	20.6 VqEC012703
c2459	C2014 02 05.28016 09 28 13.35 +37 21 08.9	19.7 VqEC012703
c2459	C2014 02 05.28516 09 28 12.43 +37 21 04.1	20.2 VqEC012703

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