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Minor Planet Center



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[Read MPEC 2012-Y06](#)[Read MPEC 2012-Y08](#)

M.P.E.C. 2012-Y07

Issued 2012 Dec. 18, 06:04 UT

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DAILY ORBIT UPDATE (2012 DEC. 18 UT)

Update to [MPEC 2012-Y05](#)

Full-precision elements for the objects listed here are available at

<http://www.minorplanetcenter.org/iau/MPCORB.html>

New identification:

K02C05Q	K11N03Z	K12XE8D	MPCS
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New double designation:

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New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J95U11A	16.3	0.15	K129U	335.700	84.388	6.990	15.188	0.08185	2.56644	6	X
J99RL2E	16.8	0.15	K129U	17.094	182.865	200.925	17.366	0.33668	2.61833	3	X
K00T07M	17.6	0.15	K129U	342.169	69.687	3.484	11.241	0.21341	2.48093	5	X
K00WD0K	15.3	0.15	K129U	71.681	75.232	257.839	11.907	0.18830	2.51993	5	X
K01A28P	16.0	0.15	K129U	359.310	57.922	354.371	12.096	0.12887	2.54858	5	X
K01B20T	16.8	0.15	K129U	322.875	55.959	58.126	1.795	0.19541	2.55456	4	X
K01D61Z	15.9	0.15	K129U	282.113	22.361	147.820	7.117	0.12844	2.54464	7	X
K01D62E	16.4	0.15	K129U	297.076	347.685	143.764	11.925	0.11392	2.58854	4	X
K01Q61P	15.4	0.15	K129U	21.400	40.849	315.982	8.809	0.24538	3.02819	3	X
K01QE3H	16.7	0.15	K129U	44.592	176.040	180.674	2.729	0.13924	2.98388	2	S
K01S95S	17.0	0.15	K129U	46.784	134.166	217.422	5.333	0.22875	2.32283	4	X
K01SU3C	16.8	0.15	K129U	40.070	47.109	309.226	6.175	0.09010	2.33461	5	W
K01TP3Y	16.4	0.15	K129U	53.147	223.972	123.228	4.443	0.13630	3.02917	6	X
K01UC0G	16.2	0.15	K129U	333.387	59.563	38.397	17.863	0.22090	3.06732	5	X
K01UI6J	16.3	0.15	K129U	86.774	54.569	267.001	6.306	0.12850	2.31676	5	X
K01UJ2Z	15.3	0.15	K129U	64.999	109.328	244.810	9.119	0.10203	3.00270	5	X
K01X84Q	15.9	0.15	K129U	335.396	16.812	85.331	18.950	0.20177	3.10656	4	X
K01XQ7H	15.7	0.15	K129U	304.439	70.993	79.607	17.054	0.21697	3.18234	5	X
K01Y02M	19.4	0.15	K129U	353.249	292.616	93.369	4.648	0.57427	2.37524	2	X
K01Y15B	15.8	0.15	K129U	9.756	153.763	260.850	8.323	0.15243	3.11126	5	X
K01Y55A	18.1	0.15	K129U	321.281	198.110	274.611	2.277	0.17732	2.36988	4	X
K01YD4N	15.4	0.15	K129U	297.035	248.103	270.960	9.800	0.21801	3.19026	5	X
K02A01Y	20.8	0.15	K129U	108.073	323.863	287.885	29.888	0.43777	0.77869	2	X

K12XD8A	17.1	0.15	K12B9	15.626	1.466	38.548	4.740	0.17462	2.70986	34	S
K12XE0Q	16.5	0.15	K12B9	69.726	91.289	234.188	12.191	0.21877	2.74301	26	S
K12XE3X	17.8	0.15	K12BT	334.573	350.154	115.319	2.223	0.21572	2.53885	8	S
K12XE5H	18.5	0.15	K12BT	46.081	335.302	40.204	7.299	0.28964	2.33842	4	X
K12XE5K	19.8	0.15	K12BT	353.478	182.166	291.266	9.361	0.60898	3.38585	4	S
K12XE5L	17.8	0.15	K12BT	11.852	327.770	94.100	34.821	0.44913	3.11592	9	S
K12XE5S	16.6	0.15	K12BT	324.941	43.432	82.942	22.873	0.22029	3.07632	9	ES
K12XE5U	16.0	0.15	K12BT	126.633	67.611	237.078	15.111	0.03399	3.09603	18	S
K12XE6A	15.4	0.15	K12BT	169.581	330.249	290.450	8.435	0.07624	3.14527	7	S
K12XE6G	16.9	0.15	K12BT	285.663	79.351	95.998	9.324	0.20993	2.51927	1	ES
K12XE6H	16.8	0.15	K12BT	64.274	88.252	248.057	2.908	0.23434	2.54515	14	ES
K12XE6J	16.7	0.15	K12B9	2.194	355.356	61.220	11.203	0.15882	3.11872	22	S
K12XE6L	17.4	0.15	K12BT	349.722	230.024	211.193	1.233	0.17369	2.59984	16	S
K12XE6M	17.9	0.15	K12BT	264.637	88.120	83.546	7.060	0.08055	2.30374	8	S
K12XE6O	16.5	0.15	K12BT	318.025	330.079	137.870	3.142	0.01996	2.56323	17	S
K12XE6T	17.5	0.15	K12B9	335.836	33.548	56.507	3.002	0.15421	2.56009	22	S
K12XE6Z	17.1	0.15	K12BT	19.519	1.558	46.353	5.141	0.09467	2.66880	18	S
K12XE7C	17.2	0.15	K12BT	63.454	135.224	228.603	5.424	0.02922	2.74091	11	S
K12XE7F	16.9	0.15	K12BT	2.428	303.662	120.377	2.266	0.19154	3.09656	16	S
K12XE7K	16.6	0.15	K12BT	359.426	336.214	93.190	7.300	0.11260	2.42297	12	X
K12XE8K	15.9	0.15	K12BT	317.790	16.327	100.394	10.183	0.02791	3.02701	9	ES
K12XE8V	16.0	0.15	K12BT	43.828	285.369	85.940	22.164	0.20300	3.18534	15	S
K12XE9N	15.1	0.15	K12BT	126.642	209.905	83.064	14.764	0.09107	3.12682	13	S
K12XE9P	15.7	0.15	K12BT	42.427	124.250	251.533	7.018	0.08589	3.10354	7	S
K12XE9S	15.7	0.15	K12BT	355.943	151.642	288.267	10.453	0.06095	3.14705	11	S
K12XF0K	16.8	0.15	K12BT	77.102	263.541	79.921	10.587	0.14229	2.73628	19	S
K12XF0L	15.7	0.15	K12BT	340.131	16.850	66.734	27.173	0.06563	3.11781	7	S
K12XF0M	18.1	0.15	K12BT	5.125	265.344	157.044	8.039	0.29730	2.74393	3	S
K12XF0O	16.2	0.15	K12BT	30.078	281.455	93.943	14.102	0.23814	3.02288	5	S
K12XF0R	16.7	0.15	K12BT	352.292	331.427	110.398	5.427	0.07500	2.76576	9	S
K12XF0S	16.0	0.15	K12BT	48.098	272.418	101.128	10.723	0.11639	3.06451	9	S
K12XF0W	17.2	0.15	K12BT	341.333	302.414	179.551	8.363	0.16926	2.63590	2	S
K12Y00A	20.5	0.15	K12BT	1.904	61.430	15.625	2.800	0.39613	2.42930	4	S

New observations:

K01Y02M	C2012	12	17.78714	04	46	19.02	+18	14	31.0	16.9	RuEY007C36
K01Y02M	C2012	12	17.78843	04	46	19.13	+18	14	33.2	16.9	RuEY007C36
K01Y02M	C2012	12	17.78906	04	46	19.21	+18	14	34.3	16.9	RuEY007C36
K01Y02M	C2012	12	17.79867	04	46	19.95	+18	14	52.5	16.8	RuEY007C36
K02A01Y	JC2012	12	17.40740	11	39	36.99	+58	36	11.0		oEY007695
K02A01Y	JC2012	12	17.41411	11	39	37.01	+58	36	22.5		oEY007695
K02A01Y	JC2012	12	17.41998	11	39	37.03	+58	36	32.7		oEY007695
K02X40Q	KC2012	12	18.13196	23	17	57.82	-00	46	05.5	20.9	RoEY007291
K02X40Q	KC2012	12	18.13586	23	18	01.27	-00	45	47.4	20.6	RoEY007291
K02X40Q	KC2012	12	18.13976	23	18	04.78	-00	45	28.9	21.0	RoEY007291
K05Y96Q	KC2012	12	18.09909	21	52	29.25	+26	20	47.2		oEY007291
K05Y96Q	KC2012	12	18.10107	21	52	30.00	+26	20	45.0		oEY007291
K05Y96Q	KC2012	12	18.10294	21	52	30.75	+26	20	43.7	20.6	RoEY007291
K08X02E	C2012	12	16.67049	02	07	45.74	+25	42	32.7	18.8	VuEY007D00
K08X02E	C2012	12	16.68148	02	07	46.32	+25	42	47.8	19.1	VuEY007D00
K08X02E	C2012	12	16.69266	02	07	46.94	+25	43	02.8	19.0	VuEY007D00
K08X02E	C2012	12	16.70380	02	07	47.50	+25	43	17.9	19.1	VuEY007D00
K08Y28Z	C2012	12	17.34689	08	05	19.53	-00	22	54.9	18.4	cEY007704
K08Y28Z	C2012	12	17.36085	08	05	12.92	-00	25	04.4	18.4	cEY007704
K08Y28Z	C2012	12	17.37534	08	05	06.08	-00	27	18.8	18.7	cEY007704
K08Y28Z	C2012	12	17.38917	08	04	59.39	-00	29	26.9	18.3	cEY007704
K08Y28Z	C2012	12	17.40235	08	04	53.11	-00	31	28.9	18.3	cEY007704
K10X45T	C2012	12	17.22909	04	57	10.24	-00	01	36.3	20.0	cEY007704
K10X45T	C2012	12	17.24274	04	57	09.11	-00	01	38.8	20.0	cEY007704
K10X45T	C2012	12	17.25619	04	57	07.96	-00	01	40.0	19.7	cEY007704
K10X56L	C2012	06	12.49648	18	07	31.684	+08	25	14.02	20.7	rLEY007F51
K10X56L	C2012	06	12.50709	18	07	31.078	+08	26	08.99	20.6	rLEY007F51
K10X56L	C2012	06	12.53980	18	07	29.126	+08	29	02.00	20.6	iLEY007F51
K12004P	2C2012	12	13.61780712	30	58	607-04	43	28	8.2	22.2	RtEY007568
K12P28Q	C2012	12	17.02966	01	26	33.73	-50	08	40.9	18.6	VuEY007807
K12P28Q	C2012	12	17.03251	01	26	34.64	-50	08	31.4	18.7	VuEY007807
K12P28Q	C2012	12	17.03535	01	26	35.56	-50	08	21.9	18.7	VuEY007807
K12P28Q	C2012	12	17.03830	01	26	36.50	-50	08	12.0	18.7	VuEY007807
K12P28Q	C2012	12	17.04103	01	26	37.36	-50	08	03.0	18.7	VuEY007807
K12Q17B	C2012	12	17.03451	02	09	47.87	+07	44	05.0	19.9	VuEY007807
K12Q17B	C2012	12	17.03827	02	09	48.47	+07	44	06.4	19.7	VuEY007807
K12Q17B	C2012	12	17.04225	02	09	49.08	+07	44	07.7	19.8	VuEY007807
K12S59A	KC2012	12	12.95047	03	43	41.57	+44	29	16.2	18.5	RtEY007130
K12S59A	KC2012	12	12.95197	03	43	41.72	+44	29	14.1	18.2	RtEY007130
K12S59A	KC2012	12	12.95347	03	43	41.82	+44	29	11.9	18.3	RtEY007130
K12S59A	KC2012	12	12.95497	03	43	41.95	+44	29	09.4	18.6	RtEY007130
K12T78V	KC2012	12	18.10738	23	33	10.94	+02	46	47.9	20.7	RoEY007291

K12T78V	KC2012	12	18.11044	23	33	11.14	+02	46	47.7	20.7	RoEY007291
K12T78V	KC2012	12	18.11350	23	33	11.35	+02	46	47.2	20.5	RoEY007291
K12TD9P	KC2012	12	18.16512	01	27	54.68	+11	45	24.4	21.9	RoEY007291
K12TD9P	KC2012	12	18.17824	01	27	55.23	+11	45	25.4		oEY007291
K12TD9P	KC2012	12	18.19136	01	27	55.78	+11	45	26.6		oEY007291
K12TL9A	KC2012	12	13.07727700	58	09.81	+39	43	40.5		19.6	VuEY007H21
K12TL9A	KC2012	12	13.08253400	58	09.13	+39	43	45.4		19.3	VuEY007H21
K12TL9A	KC2012	12	13.08799300	58	08.47	+39	43	50.7		19.5	VuEY007H21
K12TL9A	KC2012	12	13.09405700	58	07.72	+39	43	56.7		19.5	VuEY007H21
K12TP6Q	C2012	12	17.07948	02	34	38.41	+10	30	58.9	21.7	VuEY007807
K12TP6Q	C2012	12	17.08454	02	34	39.00	+10	31	01.6	21.8	VuEY007807
K12TP6Q	C2012	12	17.08980	02	34	39.59	+10	31	04.6	21.6	VuEY007807
K12U27X	KC2012	12	13.17078503	22	19.99	+14	18	00.9		21.8	VuEY007H21
K12U27X	KC2012	12	13.19161303	22	20.16	+14	18	13.8		21.7	VuEY007H21
K12U27X	KC2012	12	13.21265703	22	20.28	+14	18	26.2		22.1	VuEY007H21
K12U33Z	C1992	11	26.37645	04	05	52.42	+18	08	41.9	21.1	VaEY007691
K12U33Z	C1992	11	26.40321	04	05	49.60	+18	08	39.7	20.7	VaEY007691
K12U33Z	C1992	11	26.42589	04	05	47.31	+18	08	36.6	21.5	VaEY007691
K12U34D	C1998	11	26.36550	03	22	17.76	+17	08	15.2	22.3	ViEY007691
K12U34D	C1998	11	26.36939	03	22	17.64	+17	08	14.2	21.6	ViEY007691
K12U34D	C1998	11	26.37329	03	22	17.25	+17	08	12.1	21.8	ViEY007691
K12U34D	C1998	11	27.26228	03	21	10.39	+17	08	15.4	21.8	ViEY007691
K12U34D	C1998	11	27.26725	03	21	10.01	+17	08	15.7	21.2	ViEY007691
K12U34D	C1998	11	27.27271	03	21	09.55	+17	08	15.7	21.2	ViEY007691
K12UD6R	KC2012	12	18.21507	02	14	00.32	+08	11	35.9		oEY007291
K12UD6R	KC2012	12	18.22703	02	14	00.32	+08	11	39.2		oEY007291
K12UD6R	KC2012	12	18.23896	02	14	00.32	+08	11	43.2	22.2	RoEY007291
K12V05A	HC2012	12	18.12522	23	21	08.41	+50	07	49.5	18.8	RoEY007291
K12V05A	HC2012	12	18.12561	23	21	08.57	+50	07	53.1	18.7	RoEY007291
K12V05A	HC2012	12	18.12599	23	21	08.72	+50	07	56.5	18.8	RoEY007291
K12V05F	KC2012	12	18.14456	23	06	55.35	+08	11	11.8	20.8	RoEY007291
K12V05F	KC2012	12	18.14651	23	06	55.64	+08	11	16.0	20.4	RoEY007291
K12V05F	KC2012	12	18.14846	23	06	55.98	+08	11	20.0	20.6	RoEY007291
K12V37F	C2012	12	12.94078	03	15	17.38	+14	15	34.8	17.5	RtEY007130
K12V37F	C2012	12	12.94228	03	15	16.90	+14	15	36.2	17.2	RtEY007130
K12V37F	C2012	12	12.94428	03	15	16.28	+14	15	38.1	17.4	RtEY007130
K12V37F	C2012	12	12.94677	03	15	15.42	+14	15	40.4	17.4	RtEY007130
K12V37F	2C2012	12	14.80364203	04	52.24	+14	48	36.1		18.3	RuEY007089
K12V37F	2C2012	12	14.80596903	04	51.32	+14	48	38.7		18.2	RuEY007089
K12V37F	2C2012	12	14.80829503	04	50.38	+14	48	41.6		17.8	RuEY007089
K12V37F	2C2012	12	14.81062203	04	49.42	+14	48	44.1		17.9	RuEY007089
K12V37F	2C2012	12	14.81294803	04	48.51	+14	48	46.9		17.9	RuEY007089
K12V37F	2C2012	12	14.81527403	04	47.62	+14	48	49.8		18.1	RuEY007089
K12V37F	2C2012	12	14.81760103	04	46.66	+14	48	53.1		18.2	RuEY007089
K12V76P	C2012	12	17.13232	05	04	19.76	+06	40	42.5	20.5	VuEY007807
K12V76P	C2012	12	17.13599	05	04	20.41	+06	40	38.8	20.5	VuEY007807
K12V76P	C2012	12	17.14024	05	04	21.16	+06	40	33.9	20.6	VuEY007807
K12V76P	C2012	12	17.14599	05	04	22.19	+06	40	28.1	20.5	VuEY007807
K12V76P	C2012	12	17.14911	05	04	22.74	+06	40	24.8	20.5	VuEY007807
K12V82J	KC2012	12	12.79396	01	45	52.10	+20	16	18.1	18.4	RtEY007130
K12V82J	KC2012	12	12.79596	01	45	51.89	+20	16	11.4	18.3	RtEY007130
K12V82J	KC2012	12	12.79745	01	45	51.78	+20	16	07.4	18.6	RtEY007130
K12V82J	KC2012	12	12.79895	01	45	51.67	+20	16	02.9	18.2	RtEY007130
K12V82M	KC2012	12	13.00157823	46	30.78	+13	32	59.5		20.1	VuEY007H21
K12V82M	KC2012	12	13.00891623	46	31.46	+13	33	23.4		20.5	VuEY007H21
K12V82M	KC2012	12	13.01711723	46	32.22	+13	33	49.8		20.4	VuEY007H21
K12V94L	KC2012	12	13.36568711	03	31.86	+45	17	17.7		20.3	VuEY007H21
K12V94L	KC2012	12	13.37175311	03	32.31	+45	17	19.7		20.2	VuEY007H21
K12V94L	KC2012	12	13.37761711	03	32.73	+45	17	22.0		20.4	VuEY007H21
K12V94L	KC2012	12	13.38368211	03	33.20	+45	17	24.0		20.4	VuEY007H21
K12W04K	C2012	12	17.10486	02	35	25.63	+01	03	46.1	21.3	VuEY007807
K12W04K	C2012	12	17.10992	02	35	25.92	+01	03	52.5	21.2	VuEY007807
K12W04K	C2012	12	17.11497	02	35	26.18	+01	03	59.1	21.3	VuEY007807
K12W04K	C2012	12	17.12021	02	35	26.44	+01	04	06.6	21.4	VuEY007807
K12W04K	C2012	12	17.12504	02	35	26.70	+01	04	12.5	21.4	VuEY007807
K12W04K	JC2012	12	17.21742	02	35	32.37	+01	05	52.8		oEY007695
K12W04K	JC2012	12	17.21906	02	35	32.48	+01	05	55.1		oEY007695
K12W04K	JC2012	12	17.22033	02	35	32.52	+01	05	56.5		oEY007695
K12W04K	JC2012	12	17.22160	02	35	32.58	+01	05	58.2		oEY007695
K12X16K	KC2012	12	13.22493804	21	22.60	-01	29	38.5		19.0	VuEY007H21
K12X16K	KC2012	12	13.22760504	21	22.53	-01	30	05.2		19.0	VuEY007H21
K12X16K	KC2012	12	13.23027104	21	22.48	-01	30	31.9		19.0	VuEY007H21
K12X16K	KC2012	12	13.23270704	21	22.43	-01	30	56.3		19.1	VuEY007H21
K12X16K	KC2012	12	13.23490904	21	22.39	-01	31	18.3		19.0	VuEY007H21
K12X16K	KC2012	12	13.23733704	21	22.33	-01	31	42.4		19.0	VuEY007H21
K12X16K	KC2012	12	13.24011004	21	22.27	-01	32	10.1		19.1	VuEY007H21
K12X17E	KC2012	12	12.72282	00	31	54.32	+23	32	47.1	18.6	RtEY007130

K12X17E	KC2012	12	12.72531	00	31	54.44	+23	32	57.3	18.1	RtEY007130
K12X17E	KC2012	12	12.72781	00	31	54.44	+23	33	08.5	18.7	RtEY007130
K12X17E	KC2012	12	12.73030	00	31	54.55	+23	33	19.6	18.4	RtEY007130
K12X17E	KC2012	12	13.02411100	32	07.58	+23	54	49.6		19.5	VuEY007H21
K12X17E	KC2012	12	13.03223400	32	07.86	+23	55	25.3		19.7	VuEY007H21
K12X17E	KC2012	12	13.03600200	32	07.98	+23	55	41.7		19.7	VuEY007H21
K12X17E	KC2012	12	13.04020600	32	08.13	+23	56	00.2		19.6	VuEY007H21
K12X17E	KC2012	12	13.04455400	32	08.29	+23	56	19.1		19.5	VuEY007H21
K12X17E	KC2012	12	13.04904600	32	08.44	+23	56	38.8		19.5	VuEY007H21
K12X17F	KC2012	12	13.31538408	30	36.09	+20	11	31.9		20.0	VuEY007H21
K12X17F	KC2012	12	13.32165208	30	36.63	+20	11	28.3		20.2	VuEY007H21
K12X17F	KC2012	12	13.32771808	30	37.13	+20	11	24.5		19.9	VuEY007H21
K12X17F	KC2012	12	13.33398608	30	37.66	+20	11	20.9		20.0	VuEY007H21
K12X55C	KC2012	12	13.34018108	32	21.25	+04	53	24.7		19.9	VuEY007H21
K12X55C	KC2012	12	13.34454008	32	20.91	+04	53	01.2		19.9	VuEY007H21
K12X55C	KC2012	12	13.34890008	32	20.58	+04	52	37.9		19.7	VuEY007H21
K12X55C	KC2012	12	13.35326208	32	20.25	+04	52	14.8		19.6	VuEY007H21
K12X55C	KC2012	12	13.35835008	32	19.87	+04	51	47.6		19.8	VuEY007H21
K12X55C	C2012	12	17.36298	08	27	14.90	-01	01	33.0	19.5	cEY007704
K12X55C	C2012	12	17.37702	08	27	13.66	-01	02	45.4	19.0	cEY007704
K12X55C	C2012	12	17.39092	08	27	12.36	-01	03	58.0	19.2	cEY007704
K12X55C	C2012	12	17.40407	08	27	11.15	-01	05	07.9	19.3	cEY007704
K12X55D	tC2012	12	17.46917	07	46	42.35	+01	59	08.3	18.6	RoEY007926
K12X55D	tC2012	12	17.48535	07	46	38.38	+01	58	12.1	18.7	RoEY007926
K12X55D	tC2012	12	17.50153	07	46	34.40	+01	57	15.8	18.7	RoEY007926
K12X55J	KC2012	12	13.05566700	53	56.72	+30	40	39.7		20.6	VuEY007H21
K12X55J	KC2012	12	13.06293300	53	58.01	+30	40	52.2		20.5	VuEY007H21
K12X55J	KC2012	12	13.07034700	53	59.31	+30	41	05.4		20.5	VuEY007H21
K12X55M	JC2012	12	17.24790	04	11	39.84	+43	04	54.5		oEY007695
K12X55M	JC2012	12	17.24939	04	11	39.00	+43	05	16.8		oEY007695
K12X55M	JC2012	12	17.25001	04	11	38.62	+43	05	26.5		oEY007695
K12X55P	KC2012	12	13.24602804	33	54.58	+21	58	32.6		20.4	VuEY007H21
K12X55P	KC2012	12	13.25354304	33	52.85	+21	58	40.5		20.4	VuEY007H21
K12X55P	KC2012	12	13.26158304	33	51.04	+21	58	48.7			uEY007H21
K12X93Q	C2012	12	17.21132	04	30	57.98	-05	34	32.4	19.3	cEY007704
K12X93Q	C2012	12	17.22527	04	30	58.99	-05	32	52.0	19.5	cEY007704
K12X93Q	C2012	12	17.23906	04	30	59.85	-05	31	12.9	19.7	cEY007704
K12X93Q	C2012	12	17.25240	04	31	00.76	-05	29	37.4	19.5	cEY007704
K12X93Q	C2012	12	17.26608	04	31	01.67	-05	27	59.0	19.4	cEY007704
K12X93S	JC2012	12	17.36840	08	31	28.50	+26	37	15.2		oEY007695
K12X93S	JC2012	12	17.37483	08	31	27.82	+26	37	15.2		oEY007695
K12X93S	JC2012	12	17.38054	08	31	27.18	+26	37	14.9		oEY007695
K12XB2C	KC2012	12	12.99170702	40	07.67	+33	22	19.9		18.1	VuEY007H21
K12XB2C	KC2012	12	12.99352702	40	07.74	+33	22	07.8		18.1	VuEY007H21
K12XB2C	KC2012	12	12.99619702	40	07.82	+33	21	49.8		18.1	VuEY007H21
K12XB2C	KC2012	12	12.99983802	40	07.95	+33	21	25.3		18.1	VuEY007H21
K12XB2C	KC2012	12	13.00346802	40	08.08	+33	21	01.0		18.1	VuEY007H21
K12XB2C	KC2012	12	13.00649702	40	08.18	+33	20	40.5		18.1	VuEY007H21
K12XB2C	KC2012	12	13.00940302	40	08.28	+33	20	21.0		18.1	VuEY007H21
K12XB2C	C2012	12	17.13363	02	43	53.52	+24	58	32.1	17.9	cEY007704
K12XB2C	C2012	12	17.14793	02	43	54.20	+24	56	41.3	17.9	cEY007704
K12XB2C	C2012	12	17.16225	02	43	54.95	+24	54	50.4	18.0	cEY007704
K12XB2C	C2012	12	17.17581	02	43	55.62	+24	53	04.5	18.0	cEY007704
K12XB2C	C2012	12	17.18977	02	43	56.32	+24	51	15.7	17.8	cEY007704
K12XB2D	JC2012	12	17.35708	08	33	07.45	+15	21	16.9		oEY007695
K12XB2D	JC2012	12	17.35850	08	33	07.94	+15	21	16.6		oEY007695
K12XB2D	JC2012	12	17.36025	08	33	08.52	+15	21	16.2		oEY007695
K12XB2H	2C2012	12	14.88787406	41	37.07	+21	04	04.9		17.3	RuEY007089
K12XB2H	2C2012	12	14.89019206	41	55.85	+21	04	57.1		16.6	RuEY007089
K12XB2H	2C2012	12	14.89251906	42	14.81	+21	05	48.1		17.4	RuEY007089
K12XB2H	2C2012	12	14.89484606	42	33.82	+21	06	40.7		16.5	RuEY007089
K12XB2H	2C2012	12	14.89717106	42	52.94	+21	07	32.6		16.7	RuEY007089
K12XB2H	2C2012	12	14.89949806	43	12.12	+21	08	24.4		16.9	RuEY007089
K12XB2H	2C2012	12	14.90182506	43	31.37	+21	09	16.4		16.9	RuEY007089
K12XB2H	2C2012	12	14.90415206	43	50.69	+21	10	08.4		17.1	RuEY007089
K12XB2H	2C2012	12	14.90647706	44	10.15	+21	11	00.3		16.8	RuEY007089
K12XB2H	2C2012	12	14.90880406	44	29.63	+21	11	52.5		17.1	RuEY007089
K12XB2H	2C2012	12	14.91113106	44	49.21	+21	12	44.8		16.7	RuEY007089
K12XB2H	2C2012	12	14.91345706	45	08.86	+21	13	36.4		16.7	RuEY007089
K12XB2H	2C2012	12	14.91811006	45	48.42	+21	15	20.8		16.7	RuEY007089
K12XB2H	2C2012	12	14.92043606	46	08.30	+21	16	13.3		17.2	RuEY007089
K12XB2H	2C2012	12	14.92276206	46	28.33	+21	17	05.0		16.6	RuEY007089
K12XB2H	2C2012	12	14.92508906	46	48.39	+21	17	57.6		16.6	RuEY007089
K12XB2H	2C2012	12	14.92741606	47	08.55	+21	18	49.3		16.8	RuEY007089
K12XB2H	2C2012	12	14.92974206	47	28.77	+21	19	41.2		16.6	RuEY007089
K12XB2H	2C2012	12	14.93206906	47	49.12	+21	20	33.9		16.6	RuEY007089
K12XB2H	2C2012	12	14.93439506	48	09.54	+21	21	26.4		16.7	RuEY007089

04179	KC2012	12	17.91378	03	57	34.03	+15	29	24.3	9.6	RcEY007J19
04179	KC2012	12	17.91494	03	57	35.40	+15	29	30.6	9.5	RcEY007J19
04179	KC2012	12	17.91611	03	57	36.73	+15	29	36.6	9.5	RcEY007J19
04179	KC2012	12	17.91727	03	57	38.07	+15	29	42.9	9.5	RcEY007J19
04179	KC2012	12	17.91843	03	57	39.49	+15	29	49.1	9.7	RcEY007J19
04179	KC2012	12	17.91958	03	57	40.79	+15	29	55.2	9.8	RcEY007J19
04179	KC2012	12	17.92075	03	57	42.11	+15	30	01.2	9.6	RcEY007J19
04179	KC2012	12	17.92191	03	57	43.45	+15	30	07.5	9.4	RcEY007J19
04179	KC2012	12	17.92307	03	57	44.84	+15	30	13.7	9.4	RcEY007J19
04179	KC2012	12	17.92510	03	57	47.16	+15	30	24.3	9.5	RcEY007J19
36284	C2012	12	17.48490	12	09	19.44	-07	01	19.2	18.2	cEY007704
36284	C2012	12	17.49804	12	09	20.53	-07	01	44.3	18.6	cEY007704
36284	C2012	12	17.51130	12	09	21.62	-07	02	09.7	18.7	cEY007704
65690	C2012	12	17.27187	06	37	58.40	-00	13	35.2	21.0	VuEY007807
65690	C2012	12	17.27587	06	37	57.99	-00	13	36.4	21.1	VuEY007807
65690	C2012	12	17.28001	06	37	57.58	-00	13	37.7	21.0	VuEY007807
D7199	C2012	12	16.94756	09	16	21.11	+11	12	22.1	16.2	woEY007C41
D7199	C2012	12	16.97693	09	16	25.58	+11	13	01.7	16.1	woEY007C41
D7199	C2012	12	16.97793	09	16	25.73	+11	13	02.7	16.3	woEY007C41
E1052	C2012	12	17.06393	04	14	13.00	+42	49	54.0	19.7	RoEY007926
E1052	C2012	12	17.07785	04	14	10.48	+42	49	39.5	19.7	RoEY007926
E1052	C2012	12	17.09171	04	14	07.97	+42	49	25.2	19.3	RoEY007926
G3364	KC2012	12	12.80410	01	45	31.77	+14	12	58.6	19.0	RtEY007130
G3364	KC2012	12	12.80859	01	45	31.48	+14	12	55.6	18.8	RtEY007130
G3364	KC2012	12	12.81208	01	45	31.25	+14	12	52.8	18.5	RtEY007130
G3364	KC2012	12	12.81616	01	45	30.99	+14	12	50.0	18.6	RtEY007130
L4869	C2012	12	17.48312	11	56	11.63	-05	34	43.6	16.1	cEY007704
L4869	C2012	12	17.49637	11	56	12.49	-05	34	39.0	16.2	cEY007704
L4869	C2012	12	17.50956	11	56	13.36	-05	34	34.2	16.3	cEY007704
M2165	C2012	12	18.07155	04	06	41.23	+50	24	32.7	18.9	RoEY007926
M2165	C2012	12	18.08543	04	06	39.58	+50	24	14.5	19.4	RoEY007926
M2165	C2012	12	18.09931	04	06	37.82	+50	23	55.7	19.8	RoEY007926
M9672	C2012	12	15.63640	08	47	50.973	+11	04	19.46	18.8	zLEY007F51
M9672	C2012	12	15.64668	08	47	51.002	+11	04	36.09	18.9	zLEY007F51
Y5705	C2012	12	12.93507	02	32	58.17	+22	32	15.8	14.6	RtEY007130
Y5705	C2012	12	12.93591	02	32	57.79	+22	32	02.8	14.7	RtEY007130
Y5705	C2012	12	12.93654	02	32	57.49	+22	31	52.9	14.7	RtEY007130
Y5705	C2012	12	12.93737	02	32	57.10	+22	31	39.6	14.7	RtEY007130

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