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MPEC 2010-E52 : DAILY ORBIT UPDATE (2010 MAR. 12 UT)

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M.P.E.C. 2010-E52

Issued 2010 Mar. 12, 07:07 UT

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DAILY ORBIT UPDATE (2010 MAR. 12 UT)

Update to [MPEC 2010-E45](#)

Full-precision elements for the objects listed here are available at <ftp://cfa-ftp.harvard.edu/pub/MPCORB/>

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J81E48E	15.8	0.15	K1014	332.692	18.585	185.934	11.810	0.17073	2.85409	4	X
J95S16M	16.5	0.15	K1014	16.998	327.097	177.330	7.633	0.13599	2.58421	5	X
J96B01A	20.7	0.15	K1014	350.008	178.955	321.409	6.659	0.37267	1.98455	2	X
J96E05T	16.0	0.15	K1014	296.593	252.179	356.111	10.719	0.19597	2.78257	6	X
J96G06Q	16.5	0.15	K1014	356.257	339.484	180.467	10.455	0.13793	2.81068	5	X
J97E28R	17.3	0.15	K1014	1.832	160.456	348.354	2.525	0.11449	2.66848	6	X
J98Q58H	17.1	0.15	K1014	241.052	282.812	350.071	6.011	0.00490	2.20974	7	X
J98V57G	17.9	0.15	K1014	11.750	60.325	46.080	2.500	0.38762	2.34398	5	X
J99E14L	15.7	0.15	K1014	51.469	99.752	19.608	1.466	0.04271	3.09178	7	X
J99F15Z	17.8	0.15	K1014	318.512	201.218	359.085	0.807	0.13436	2.38229	4	X
J99F17O	16.3	0.15	K1014	308.547	107.675	114.948	0.416	0.15282	3.17409	6	X
J99F97N	15.9	0.15	K1014	335.388	31.790	167.187	14.993	0.31482	3.15601	5	X
J99G15T	15.4	0.15	K1014	16.945	98.871	39.201	6.848	0.02791	3.24171	5	X
J99RJ0J	16.1	0.15	K1014	125.588	257.140	120.461	1.910	0.15249	2.63500	8	X
J99RP3S	15.4	0.15	K1014	50.922	97.156	352.552	14.567	0.08177	2.65098	4	X
J99VD0U	16.9	0.15	K1014	300.034	208.060	31.052	3.083	0.12284	2.62984	5	X
K00D16T	17.1	0.15	K1014	19.866	138.403	338.854	8.160	0.11433	2.22698	4	X
K00E09J	17.1	0.15	K1014	31.954	329.104	144.171	4.680	0.07641	2.21861	6	X
K00E37J	13.4	0.15	K1014	318.319	111.808	183.371	10.249	0.70337	4.68486	3	X
K00GG5O	15.4	0.15	K1014	74.924	249.728	195.555	10.884	0.00933	2.97780	6	X
K00HA3M	15.5	0.15	K1014	283.788	79.801	170.449	12.964	0.19434	3.01215	5	X
K00J20B	17.1	0.15	K1014	296.718	297.783	294.422	2.572	0.23814	2.25705	5	X
K00O01L	17.5	0.15	K1014	327.362	12.822	183.673	6.869	0.26029	2.31770	3	X
K00QI0E	15.6	0.15	K1014	42.482	79.224	352.261	27.911	0.37292	2.60068	4	X
K00S09J	16.3	0.15	K1014	24.058	94.689	353.665	27.294	0.40715	2.61930	2	X
K00S11H	16.6	0.15	K1014	83.944	58.797	6.241	20.770	0.10132	1.97432	5	X
K00S44M	16.5	0.15	K1014	32.745	226.931	232.172	18.717	0.11332	1.98151	5	X
K00S54F	16.5	0.15	K1014	58.372	229.900	194.227	4.431	0.26684	2.55639	7	X
K00SR5E	15.5	0.15	K1014	182.423	157.431	197.232	7.240	0.14642	2.43878	7	X
K00U29X	16.1	0.15	K1014	43.187	88.057	14.508	10.916	0.25262	2.56054	4	X
K00W02J	15.7	0.15	K1014	50.956	73.347	357.798	28.889	0.31330	2.62336	5	X
K00WI2F	15.8	0.15	K1014	41.753	329.885	135.422	12.661	0.22817	2.57892	6	X
K01A00A	16.3	0.15	K1014	30.377	287.745	154.970	15.030	0.39363	2.65205	4	X
K01A39D	16.1	0.15	K1014	121.382	76.142	151.652	7.134	0.04732	2.63822	4	X
K01D39A	16.1	0.15	K1014	5.029	349.764	151.395	8.219	0.10783	2.68090	6	X
K01D49W	15.4	0.15	K1014	39.855	94.648	21.793	11.398	0.12903	2.65553	4	X
K01D92F	16.0	0.15	K1014	37.880	87.360	350.921	22.224	0.41773	2.71324	4	X
K01DA2J	16.4	0.15	K1014	334.419	91.984	95.555	6.469	0.22321	2.70714	4	X
K01E17Z	15.5	0.15	K1014	305.865	142.748	100.046	8.682	0.18269	2.73331	7	X
K01F01H	16.3	0.15	K1014	304.108	55.388	181.303	12.511	0.14082	2.73088	8	X

Documentation
Links
Minor Planet Center
Central Bureau for Astro. Tel.
International Comet Quarterly
Smithsonian Astro. Obs.

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Main table containing astronomical data with columns for object ID, time, coordinates, and other parameters. Includes objects like K1014, K01R83Q, K01R98Y, etc.

L4088	C2010 03 09.12149 04 08 02.63 +24 10 51.2	18.7	EE052704
L4088	C2010 03 09.13285 04 08 04.69 +24 10 59.9	19.1	EE052704
L4088	C2010 03 09.14419 04 08 06.85 +24 11 11.3	19.6	EE052704
L4088	C2010 03 09.15550 04 08 08.94 +24 11 18.6	19.1	EE052704
M1980	C2010 03 09.45013 12 58 49.82 -05 52 10.3	18.6	EE052704
M1980	C2010 03 09.46168 12 58 46.97 -05 52 25.9	18.9	EE052704
M1980	C2010 03 09.48476 12 58 41.19 -05 52 55.8	19.1	EE052704
M1980	C2010 03 09.49624 12 58 38.26 -05 53 10.1	18.7	EE052704
M1980	C2010 03 11.07403 12 52 14.71 -06 26 18.3	17.9	V EE052J75
M1980	C2010 03 11.08831 12 52 11.08 -06 26 34.9	18.4	V EE052J75
M1980	C2010 03 11.10258 12 52 07.44 -06 26 52.3	18.3	V EE052J75

A. U. Tomatic

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