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M.P.E.C. 2013-L62

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DAILY ORBIT UPDATE (2013 JUNE 13 UT)

Update to [MPEC 2013-L59](#)

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

New identification:

K11F90E	K10EE8F	Bowman
K12F76E	K13L27B	MPCS
K13A26R	K05Y63X	MPCW
K13A36N	K09H08Z	MPCW
K13A49B	K04FB2Z	MPCW

Orbital Elements for Programs	K13A55E	K11SD7U		MPCW
MPCAT	K13AA1U	K11S18K		MPCW
MPCUPDATE	K13AB2O	K02AK0Q		MPCW
Astrometric Observations	K13AB8R	K07Tj1Q	K09D94J	MPCW
	K13AC3O	J99TR3N		MPCW
MPCAT-OBS	K13AD8N	K08EB6K		MPCW
MPCOBS	K13AD8P	J99T41E		MPCW
Publications	K13AD9O	K06WC2V	K11SI3G	MPCW
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<i>MPECs</i>	K13AE0B	K11SL2R		MPCW
MPC Archive	K13AE0X	K04F73B	K10F37W	MPCW
MPC RSS Feeds	K13AE1A	K06W65Q		MPCW
CBAT RSS Feeds	K13AE1B	K10S26D		MPCW
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Minor Planets	K13AE8H	K05J09V		MPCW
Comets	K13AE9X	K08H52V	K11SC2P	MPCW
Animations	K13AF0F	K08D52V	K10TI1B	MPCW
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MPC Blog	K13AF6B	K04X61E		MPCW
Contact Us	K13AF6N	K06WB0O	K11UQ5K	MPCW
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Site Map	K13AF8J	K08CB0F	K11SE6M	MPCW
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Minor Planet Center	K13AG0K	K06UK6M	K10J58U	MPCW
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	K13AG2O	K04G68L	K11US8V	MPCW
	K13AG4W	K02A14T		MPCW
	K13AG5A	K08E63A		MPCW
	K13AG5F	K06V12M		MPCW
	K13AG6K	K11SN9F		MPCW
	K13AG8H	K09K12N	K10K00U	MPCW
	K13AG9H	K05ST0V		MPCW
	K13AH0B	K04RO2L		MPCW
	K13AH1P	K10J03M		MPCW
	K13AH1Y	K05SJ5O	K08F43K	MPCW
	K13AH3J	K11UQ7C		MPCW
	K13AH4A	K10GB2P		MPCW
	K13AH4N	K05JB5D		MPCW
	K13AH4Q	J99VB6P	K03V08P	MPCW
	K13AH4X	K06K81P		MPCW
	K13AH7O	K00T72S	K08CH0H	MPCW

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J88P04H	16.6	0.15	K134I	315.625	161.432	180.432	9.367	0.44522	2.59475	6	W
J93V06M	15.4	0.15	K134I	158.129	210.467	232.263	25.900	0.12311	3.12473	4	X
J96T36V	18.4	0.15	K134I	289.069	316.305	21.164	3.493	0.25134	2.30823	4	X
J97R02R	15.4	0.15	K134I	308.485	127.724	198.796	13.265	0.29338	3.17205	6	X
K00RA2U	15.9	0.15	K134I	280.280	164.708	240.011	10.588	0.16048	2.68461	4	X
K00T23Y	16.2	0.15	K134I	275.425	165.777	221.239	11.102	0.15523	2.72763	4	X
K00U19W	16.5	0.15	K134I	246.475	322.045	57.446	3.010	0.23428	2.80203	7	X
K01H19J	16.2	0.15	K134I	267.570	187.994	218.960	10.507	0.02419	3.03698	6	X
K01QW3S	16.8	0.15	K134I	262.711	210.066	154.350	14.578	0.27051	2.62324	5	X
K01R07O	17.3	0.15	K134I	288.470	346.480	348.815	0.565	0.21106	2.59066	3	X
K01S03L	16.7	0.15	K134I	302.287	126.548	195.145	13.323	0.23090	2.61265	5	X
K01SY2P	17.4	0.15	K134I	291.257	278.967	88.729	5.642	0.22743	2.57317	4	X
K01SY5D	16.1	0.15	K134I	307.062	200.709	109.491	15.426	0.31904	2.59403	5	X
K01U04X	19.2	0.15	K134I	6.074	333.781	182.474	8.937	0.75244	1.72127	4	X
K01UM7V	17.3	0.15	K134I	257.951	347.887	2.222	3.235	0.07917	2.67454	7	X
K01V29A	16.5	0.15	K134I	230.468	329.577	60.901	9.768	0.20524	2.69807	5	X
K02E04N	17.9	0.15	K134I	11.344	45.458	167.924	5.481	0.17475	2.33075	4	X
K02E44O	18.2	0.15	K134I	13.824	239.795	335.470	2.148	0.14863	2.32360	3	X
K02EG0C	17.9	0.15	K134I	5.428	68.608	151.807	5.542	0.16674	2.32315	5	X
K02G86G	16.9	0.15	K134I	6.657	163.522	57.892	7.882	0.06093	2.34830	7	X
K02J57S	17.5	0.15	K134I	331.617	33.167	235.874	19.612	0.03737	1.95206	4	S
K02JC0O	16.7	0.15	K134I	32.701	65.889	123.989	10.778	0.12400	2.35634	5	X
K02L06N	15.1	0.15	K134I	338.970	170.658	90.008	18.937	0.16407	3.12445	5	X
K02L24T	22.1	0.15	K134I	81.272	282.115	166.687	0.762	0.49604	0.71980	3	S
K02M03Y	16.0	0.15	K134I	347.426	131.401	182.448	19.774	0.43701	3.09974	3	S
K02N16V	21.3	0.15	K134I	244.370	179.417	183.562	3.508	0.21998	1.23760	5	W
K02N78M	16.3	0.15	K134I	328.449	81.262	249.358	14.280	0.21593	3.11789	4	X
K02N80D	14.7	0.15	K134I	56.118	323.543	260.644	26.558	0.14218	3.11106	4	S
K02O33R	18.3	0.15	K134I	345.127	85.446	172.587	6.872	0.27468	2.41415	5	X
K02P55W	15.7	0.15	K134I	356.257	120.572	157.925	22.409	0.43828	3.12342	4	X
K02PD1R	15.1	0.15	K134I	332.684	67.863	281.284	15.071	0.23713	3.13012	4	S
K02TJ0R	19.4	0.15	K134I	67.252	104.738	24.255	26.920	0.15994	1.07697	2	X
K02U78C	16.7	0.15	K134I	267.668	286.192	48.481	8.668	0.03865	2.55821	5	X
K03M03F	15.8	0.15	K134I	314.584	244.137	83.864	15.266	0.44477	2.94485	4	X
K03N03M	17.4	0.15	K134I	311.552	76.286	248.830	11.062	0.35726	2.25461	3	X
K03Q46R	17.2	0.15	K134I	355.146	194.112	112.951	10.573	0.16219	2.22156	6	X
K03S32O	15.3	0.15	K134I	262.293	97.154	266.215	14.258	0.24170	3.10368	5	X
K03S44A	15.8	0.15	K134I	245.915	80.748	289.096	8.697	0.13796	3.14747	5	X
K03SF8Q	15.7	0.15	K134I	280.445	174.212	173.073	24.477	0.19049	3.10992	5	X
K03SF8Z	16.2	0.15	K134I	321.119	161.030	176.269	12.642	0.16539	2.97732	5	X
K03SM5R	17.5	0.15	K134I	257.874	327.663	40.333	3.249	0.23967	2.31915	4	X
K03SY5N	17.6	0.15	K134I	258.672	337.771	18.647	3.391	0.16181	2.31165	6	X
K03T26W	15.9	0.15	K134I	350.474	31.650	223.256	14.506	0.23763	3.15264	5	X
K03T55U	18.3	0.15	K134I	240.260	297.543	73.556	6.371	0.15212	2.34601	3	X
K03UX6P	17.0	0.15	K134I	316.951	255.330	45.786	1.468	0.15175	3.11022	4	X
K03UY9G	16.1	0.15	K134I	324.687	101.820	183.390	13.305	0.15073	3.15417	5	X
K03W66T	15.3	0.15	K134I	310.783	104.079	246.846	12.675	0.13949	3.12483	5	X
K03X18U	17.4	0.15	K134I	159.777	336.738	94.088	24.939	0.06893	1.93929	4	X
K03YB7K	17.4	0.15	K134I	273.310	101.240	283.711	19.079	0.08191	1.89452	5	X
K03YD3M	16.6	0.15	K134I	50.456	216.242	319.863	5.486	0.13170	2.53664	6	X

K04C69T	16.2	0.15	K134I	91.591	15.099	123.591	14.503	0.11208	2.56975	4 X
K04C84S	16.6	0.15	K134I	6.740	77.688	150.870	13.608	0.12325	2.57666	4 X
K04E37H	16.0	0.15	K134I	98.035	40.165	68.215	11.233	0.39014	2.61461	4 X
K04E86M	16.8	0.15	K134I	12.427	51.437	165.743	12.181	0.14293	2.64974	4 X
K04FB4G	17.0	0.15	K134I	28.182	61.931	132.027	5.342	0.13136	2.65911	7 X
K04FC8J	16.9	0.15	K134I	338.079	69.561	199.711	12.378	0.24158	2.66382	5 X
K04H27A	16.3	0.15	K134I	73.164	75.105	64.115	8.672	0.24487	2.66506	4 X
K04Q29B	16.2	0.15	K134I	280.838	229.219	92.243	14.112	0.06202	3.01641	5 X
K04RK3Z	18.4	0.15	K134I	284.604	50.036	282.107	2.330	0.17391	2.13516	4 X
K04RL5P	16.8	0.15	K134I	319.274	137.406	232.405	9.376	0.34601	2.73709	2 X
K04RV6V	16.0	0.15	K134I	209.660	156.715	231.322	11.794	0.14282	3.02658	4 W
K04T26K	16.3	0.15	K134I	100.644	297.410	197.730	18.575	0.07405	3.05334	4 X
K04TT6Y	15.9	0.15	K134I	231.024	329.458	67.257	5.574	0.24046	3.00574	5 X
K04V01O	14.9	0.15	K134I	179.099	188.171	231.098	26.834	0.13932	3.16969	4 X
K04X02G	15.1	0.15	K134I	279.423	59.602	266.769	14.738	0.03738	3.10278	5 X
K04XA7H	16.9	0.15	K134I	90.097	222.059	258.890	21.620	0.27877	2.33506	4 X
K05B20G	17.5	0.15	K134I	3.763	246.058	340.685	0.674	0.14703	2.38136	5 X
K05EQ1F	17.6	0.15	K134I	37.036	151.887	35.473	3.868	0.14920	2.43375	5 X
K05J46E	17.7	0.15	K134I	314.115	114.543	238.546	8.262	0.55218	1.90408	3 X
K05JE6D	16.2	0.15	K134I	290.427	137.992	192.869	15.147	0.20485	2.52243	7 X
K05L12C	16.4	0.15	K134I	352.935	323.714	271.736	5.137	0.14951	2.58681	5 X
K05L21U	17.2	0.15	K134I	329.455	146.721	127.249	13.574	0.14383	2.58248	4 X
K05L37C	16.7	0.15	K134I	301.958	214.777	103.395	18.245	0.24930	2.57494	4 X
K05L40S	18.5	0.15	K134I	314.763	67.375	222.678	5.621	0.33873	2.55293	3 S
K05M29N	16.4	0.15	K134I	261.760	217.809	142.203	15.042	0.19969	2.62296	5 X
K05N50T	16.5	0.15	K134I	358.641	104.867	133.607	14.990	0.04114	2.62186	6 X
K05N68G	16.7	0.15	K134I	285.602	212.261	121.118	13.092	0.21329	2.60613	7 X
K05Q01F	16.2	0.15	K134I	277.739	190.413	151.458	13.752	0.18019	2.62712	6 X
K05Q40S	17.1	0.15	K134I	288.118	172.493	173.402	14.348	0.27222	2.60734	3 X
K05QE6F	16.6	0.15	K134I	314.564	184.595	116.977	11.859	0.19206	2.59497	5 X
K05S91F	17.4	0.15	K134I	281.751	316.794	17.545	5.813	0.14529	2.72092	4 X
K05S94D	17.3	0.15	K134I	231.919	52.762	327.133	3.664	0.12489	2.68470	5 X
K05SG4M	17.5	0.15	K134I	302.546	269.006	70.484	5.908	0.35752	2.61586	3 X
K05SH2S	16.9	0.15	K134I	325.935	322.445	317.906	4.060	0.08294	2.71565	6 X
K05SJ2N	15.9	0.15	K134I	257.595	327.054	32.244	6.318	0.15094	2.74845	6 X
K05SP4V	16.4	0.15	K134I	284.648	145.940	179.352	14.424	0.15637	2.67007	5 X
K05T06G	16.8	0.15	K134I	266.968	168.312	230.724	11.395	0.18252	2.61484	4 X
K05U59V	16.9	0.15	K134I	289.163	78.992	261.214	5.705	0.26796	2.69133	4 X
K05UA6H	17.2	0.15	K134I	269.787	279.111	69.138	9.046	0.13663	2.77711	4 X
K05UCOM	17.3	0.15	K134I	308.337	43.336	269.574	1.283	0.20139	2.69945	3 X
K05UF6Y	16.1	0.15	K134I	59.934	351.552	227.850	11.548	0.07709	2.72008	5 X
K05UP6Z	16.4	0.15	K134I	285.905	264.995	60.334	4.375	0.09188	2.77840	5 X
K05UR4U	16.1	0.15	K134I	289.066	148.120	237.968	12.769	0.25686	2.62705	4 X
K05UV3W	16.0	0.15	K134I	206.064	333.973	73.981	18.313	0.18522	2.81032	7 X
K05Uj4X	16.2	0.15	K134I	301.947	145.893	224.442	13.105	0.27935	2.61265	4 X
K05V29J	17.2	0.15	K134I	344.914	180.349	73.077	6.708	0.00805	2.86044	5 X
K05VD2K	17.0	0.15	K134I	336.364	118.612	150.186	9.620	0.13164	2.76249	4 X
K05WE1H	16.8	0.15	K134I	246.581	114.929	246.532	1.015	0.07993	2.86196	8 X
K05WI4O	16.1	0.15	K134I	273.102	80.711	270.795	10.340	0.19442	2.69699	5 X
K05Y52K	17.6	0.15	K134I	174.427	175.894	244.414	2.641	0.02596	2.13048	4 X
K05Y64L	15.7	0.15	K134I	342.142	155.940	99.676	10.833	0.03845	3.08552	4 X
K05YE0F	15.9	0.15	K134I	261.207	246.201	99.716	11.495	0.13012	2.98172	6 X

K05YN4J	15.8	0.15	K134I	311.194	191.527	99.428	12.013	0.07235	3.03430	4	X
K06A01S	16.0	0.15	K134I	208.725	129.018	271.125	8.802	0.03735	3.01815	4	X
K06A61L	15.9	0.15	K134I	287.551	38.984	287.352	8.992	0.10871	3.02177	5	X
K06AA5X	16.3	0.15	K134I	96.364	356.939	132.419	17.816	0.15043	3.17725	3	X
K06B34Q	16.8	0.15	K134I	257.042	323.655	29.223	1.348	0.06869	3.05078	5	X
K06BG8L	18.0	0.15	K134I	176.460	89.034	331.643	5.146	0.04863	2.16953	6	X
K06BI2T	18.2	0.15	K134I	132.277	322.127	138.510	7.205	0.05505	2.16846	5	S
K06C14F	16.0	0.15	K134I	275.039	187.748	141.119	9.931	0.07589	3.13814	5	X
K06F36L	18.1	0.15	K134I	351.826	278.474	327.018	0.451	0.21775	2.26006	6	X
K06G46M	17.6	0.15	K134I	12.835	11.072	202.548	11.301	0.16764	2.28239	4	X
K06H95T	18.0	0.15	K134I	351.809	202.173	45.174	6.707	0.05849	2.27082	5	X
K06J53Y	18.2	0.15	K134I	318.569	234.499	59.367	3.079	0.20296	2.29479	4	X
K06KB9R	18.1	0.15	K134I	302.064	177.833	139.171	7.747	0.23790	2.30414	3	X
K06QA4Q	17.4	0.15	K134I	1.344	43.335	207.470	8.330	0.34154	2.32285	5	X
K06R10R	17.9	0.15	K134I	267.505	327.820	28.560	1.541	0.20381	2.42620	4	X
K06S63Y	17.1	0.15	K134I	292.831	306.468	56.144	3.251	0.23419	2.36808	7	X
K06S74X	18.1	0.15	K134I	282.178	268.154	69.081	2.201	0.19810	2.45274	5	X
K06Sa5N	16.4	0.15	K134I	69.046	333.585	172.278	12.267	0.18560	2.69540	6	X
K06T48W	18.0	0.15	K134I	306.248	108.829	214.770	9.307	0.32899	2.41037	4	X
K06TC4R	16.4	0.15	K134I	60.790	111.330	59.030	15.509	0.08960	2.67459	4	X
K06UE9D	16.5	0.15	K134I	46.539	323.280	210.326	12.855	0.19650	2.68821	5	X
K06UI2A	16.5	0.15	K134I	173.446	0.798	66.520	13.361	0.15635	2.61428	4	X
K06UJ4C	17.5	0.15	K134I	310.582	297.398	36.053	1.945	0.18590	2.40401	5	X
K06UO8M	17.1	0.15	K134I	353.487	205.372	39.457	6.254	0.20002	2.53642	5	X
K06UP9Y	17.2	0.15	K134I	292.756	341.973	333.703	0.657	0.07529	2.51481	7	X
K06V27W	16.7	0.15	K134I	114.641	63.379	55.440	15.742	0.10289	2.68437	5	X
K06V75J	17.1	0.15	K134I	236.028	325.122	62.069	6.968	0.25826	2.54580	4	X
K06V98Q	16.2	0.15	K134I	141.412	233.709	218.979	21.504	0.05098	2.63264	6	X
K06VB6B	17.4	0.15	K134I	102.933	251.131	233.616	20.867	0.05105	1.88185	3	S
K06VC4N	17.2	0.15	K134I	59.231	239.967	294.500	2.013	0.05491	2.68925	6	X
K06W86Z	15.9	0.15	K134I	194.346	151.837	262.886	11.108	0.16581	2.63110	5	X
K06WA3D	16.6	0.15	K134I	339.087	197.309	68.941	16.651	0.11533	2.62849	5	X
K06WA3G	17.5	0.15	K134I	71.653	83.078	67.782	4.545	0.14124	2.77533	5	X
K06WG3V	16.8	0.15	K134I	85.307	61.133	75.140	9.873	0.09792	2.73181	5	S
K06WH5Q	15.9	0.15	K134I	250.843	95.656	268.319	13.088	0.12950	2.56140	5	X
K06WI6Q	16.4	0.15	K134I	285.072	117.345	211.895	11.686	0.11942	2.54653	4	X
K06WJ9G	16.7	0.15	K134I	85.776	236.540	261.065	6.417	0.16400	2.78002	4	X
K06X19B	16.5	0.15	K134I	232.283	119.293	269.701	3.823	0.26625	2.57847	5	X
K06X31Y	17.4	0.15	K134I	215.669	301.563	81.410	24.081	0.12336	1.90150	3	X
K07D04R	16.5	0.15	K134I	64.241	71.594	68.098	9.153	0.36200	3.00252	4	X
K07E39H	15.9	0.15	K134I	149.432	314.068	134.850	11.122	0.07176	3.00770	4	X
K07E84B	16.3	0.15	K134I	9.626	63.581	151.788	10.453	0.23316	3.13774	4	X
K07EC9L	17.2	0.15	K134I	27.978	219.226	353.928	1.024	0.08453	2.99927	4	X
K07E11W	16.0	0.15	K134I	7.565	21.359	207.400	16.107	0.15968	3.17555	4	X
K07EL5W	16.1	0.15	K134I	45.942	31.928	150.754	12.034	0.14833	3.07433	3	X
K07H37J	15.4	0.15	K134I	8.264	180.139	52.039	10.081	0.06033	3.11135	5	X
K07H53G	15.8	0.15	K134I	55.538	103.015	62.908	18.448	0.21360	3.21635	4	X
K07H84M	15.6	0.15	K134I	15.144	179.415	46.995	12.183	0.05434	3.16133	4	X
K07R34U	17.8	0.15	K134I	270.133	359.472	345.774	3.576	0.15824	2.17220	5	X
K07S23B	17.7	0.15	K134I	312.724	38.251	266.485	6.136	0.22772	2.18668	4	X
K07T52U	17.2	0.15	K134I	97.138	104.410	28.764	5.946	0.08293	2.35416	6	X
K07T70S	16.9	0.15	K134I	255.569	120.542	221.034	7.811	0.14383	2.24060	4	X

K07TS5L	18.0	0.15	K134I	316.332	113.370	180.925	6.082	0.21515	2.17976	7	X
K07Th9G	15.9	0.15	K134I	331.534	190.429	231.036	9.703	0.10111	3.11038	5	X
K07U34X	17.5	0.15	K134I	305.203	157.203	158.841	7.841	0.23537	2.19460	4	X
K07UA1O	17.9	0.15	K134I	285.307	289.115	52.534	3.192	0.22815	2.21228	3	X
K07V46Q	17.1	0.15	K134I	97.145	217.245	276.927	4.916	0.09264	2.38232	7	X
K07V50L	17.8	0.15	K134I	193.044	151.430	258.432	6.294	0.08571	2.32352	4	X
K07VB1H	17.2	0.15	K134I	5.566	347.985	233.003	4.998	0.16478	2.41041	7	X
K07VK1L	17.7	0.15	K134I	30.321	157.481	40.508	4.656	0.13648	2.37283	4	X
K07VL8Q	17.2	0.15	K134I	286.522	59.152	259.636	5.410	0.13895	2.31663	5	X
K07VN0K	17.5	0.15	K134I	106.890	78.531	41.639	1.925	0.13742	2.42265	6	X
K08A28P	16.5	0.15	K134I	267.146	220.176	151.609	26.447	0.40174	2.33196	3	X
K08A74C	16.6	0.15	K134I	82.231	7.887	136.739	12.664	0.05845	2.55388	4	X
K08A76Y	18.1	0.15	K134I	37.549	121.611	65.251	3.983	0.17817	2.62097	3	X
K08A96H	17.0	0.15	K134I	231.179	345.612	36.205	4.564	0.15376	2.41222	4	X
K08B02G	16.9	0.15	K134I	352.072	86.182	140.525	18.979	0.55493	2.99189	2	X
K08B20C	17.1	0.15	K134I	1.088	105.157	122.975	5.991	0.24287	2.61023	3	S
K08C61L	16.4	0.15	K134I	60.427	26.462	130.192	9.094	0.14478	2.69276	5	X
K08CB2M	16.9	0.15	K134I	46.660	37.392	132.361	14.494	0.11851	2.67148	2	S
K08CD2S	17.1	0.15	K134I	17.308	239.312	333.447	2.938	0.15481	2.68378	5	X
K08CE4E	16.8	0.15	K134I	357.226	77.971	163.931	12.623	0.11018	2.68578	6	X
K08CI2J	16.9	0.15	K134I	72.579	20.211	133.117	14.066	0.10036	2.65168	3	X
K08CL2K	16.2	0.15	K134I	37.095	75.673	121.753	11.753	0.00404	2.72561	5	X
K08D70F	15.9	0.15	K134I	30.935	106.252	84.767	15.761	0.13728	2.73392	4	X
K08D87R	16.6	0.15	K134I	248.709	5.391	1.586	4.754	0.13606	2.58438	5	X
K08D89P	16.6	0.15	K134I	7.202	51.012	181.642	12.078	0.07898	2.64555	4	X
K08E59Q	17.1	0.15	K134I	17.188	205.788	11.873	1.436	0.16813	2.71963	6	X
K08E73X	17.1	0.15	K134I	339.481	216.997	48.090	5.779	0.11723	2.71730	6	X
K08E76Y	16.9	0.15	K134I	45.628	149.974	34.722	5.606	0.09716	2.72808	6	X
K08ED2E	16.8	0.15	K134I	33.219	32.564	161.070	8.728	0.12136	2.75202	7	X
K08EE3G	17.1	0.15	K134I	290.748	112.679	206.354	10.609	0.12535	2.63388	5	X
K08F94B	16.8	0.15	K134I	40.934	136.783	88.551	5.743	0.10213	2.66924	5	X
K08G63G	17.1	0.15	K134I	127.226	37.961	69.177	4.123	0.04075	2.72433	5	X
K08G70E	16.3	0.15	K134I	346.829	151.016	96.823	10.895	0.10896	2.89195	5	X
K08G79F	17.5	0.15	K134I	33.615	132.754	54.905	8.692	0.22550	2.85129	3	X
K08H03O	18.1	0.15	K134I	328.517	126.622	208.226	13.808	0.65849	2.89580	2	X
K08H46X	15.8	0.15	K134I	88.345	10.905	129.018	13.924	0.14537	2.83985	6	X
K08J04A	17.1	0.15	K134I	16.924	72.349	147.929	12.543	0.08718	2.86392	3	X
K08L04Z	15.8	0.15	K134I	327.558	161.151	110.142	14.741	0.09817	3.14227	5	X
K08P11X	16.5	0.15	K134I	335.803	109.790	169.028	16.959	0.20328	3.14569	2	S
K08R98G	17.1	0.15	K134I	102.620	168.439	340.114	10.696	0.76624	2.19377	5	X
K08S01Y	17.7	0.15	K134I	279.918	97.052	222.596	20.190	0.07156	1.95534	6	X
K08SN1U	16.7	0.15	K134I	326.346	123.309	206.763	9.860	0.12796	3.11307	4	X
K08SU9Z	16.2	0.15	K134I	290.415	354.760	57.153	3.955	0.09376	3.15345	5	X
K08T48A	16.8	0.15	K134I	333.435	96.884	223.620	11.574	0.16682	3.15628	3	X
K08T73U	15.5	0.15	K134I	9.122	63.914	228.034	9.062	0.20975	3.17606	4	X
K08UG0W	14.8	0.15	K134I	286.271	106.847	267.069	19.159	0.06776	3.25024	4	X
K08V00N	16.7	0.15	K134I	323.527	277.198	59.989	12.917	0.64419	3.04920	3	X
K08Y37P	17.8	0.15	K134I	60.669	233.827	282.124	2.113	0.17231	2.27803	6	X
K09A44Z	18.4	0.15	K134I	24.300	267.078	317.542	3.615	0.19879	2.22618	3	X
K09A50M	18.1	0.15	K134I	36.105	279.853	272.824	2.166	0.08673	2.26494	4	X
K09B02L	19.4	0.15	K134I	359.252	55.916	148.686	7.161	0.59337	2.48982	2	W
K09B41B	17.7	0.15	K134I	68.857	40.317	102.211	3.672	0.16494	2.31131	4	S

K09BD8T	18.1	0.15	K134I	8.796	307.303	277.380	1.879	0.11178	2.25573	5	X
K09BE2P	18.2	0.15	K134I	9.893	232.177	351.554	3.307	0.11522	2.27229	4	X
K09BF7Q	17.9	0.15	K134I	7.383	74.400	143.545	5.396	0.18752	2.36904	5	X
K09C07F	17.4	0.15	K134I	344.936	130.549	118.815	7.022	0.15671	2.31472	2	X
K09C12T	17.4	0.15	K134I	342.136	105.988	148.099	9.109	0.18081	2.26815	6	X
K09D56T	18.2	0.15	K134I	353.748	183.429	58.779	2.992	0.18058	2.35779	4	X
K09E29M	17.7	0.15	K134I	61.875	117.151	49.034	3.280	0.10704	2.41652	6	X
K09F23M	17.5	0.15	K134I	355.248	216.946	16.288	1.610	0.14498	2.40880	4	X
K09F53Q	17.0	0.15	K134I	336.759	196.981	70.941	6.612	0.17258	2.39484	6	X
K09F66E	17.7	0.15	K134I	340.773	189.385	61.385	4.721	0.09192	2.42296	3	S
K09H41M	17.2	0.15	K134I	349.062	199.505	78.002	5.063	0.18709	2.36211	6	X
K09J05F	17.5	0.15	K134I	44.134	145.301	61.833	3.233	0.16990	2.32199	5	X
K09L00S	18.0	0.15	K134I	99.831	176.246	252.763	45.000	0.29134	1.26271	3	X
K09N00A	17.5	0.15	K134I	297.688	98.911	269.484	10.091	0.55265	2.66009	3	X
K09O01F	17.3	0.15	K134I	288.334	68.982	278.592	10.231	0.32235	2.64301	3	X
K09O24Q	17.3	0.15	K134I	294.563	73.949	249.774	1.079	0.19088	2.73623	4	X
K09Q04Q	16.0	0.15	K134I	266.010	193.945	150.386	16.157	0.15944	2.83559	6	X
K09Q55Q	16.0	0.15	K134I	331.873	81.749	182.846	10.539	0.06868	2.98917	8	X
K09R62H	16.6	0.15	K134I	264.912	150.347	192.883	7.971	0.06750	3.18348	4	S
K09S08S	16.7	0.15	K134I	317.842	94.822	194.006	14.164	0.14995	2.83884	6	X
K09SL1B	16.3	0.15	K134I	274.388	142.488	194.279	10.621	0.06588	3.07061	5	X
K09SY3A	15.6	0.15	K134I	294.512	264.090	38.801	8.799	0.06586	3.13529	3	X
K09T21L	16.0	0.15	K134I	236.593	254.056	192.756	13.412	0.15139	2.73896	6	X
K09U11Y	16.9	0.15	K134I	273.984	307.293	60.496	11.445	0.33074	2.84956	3	X
K09U18U	15.6	0.15	K134I	223.795	207.530	197.736	29.318	0.25905	3.12709	5	X
K09UE7K	16.6	0.15	K134I	269.231	305.177	39.464	1.337	0.09434	3.25212	7	X
K09UF1K	15.0	0.15	K134I	225.875	112.961	272.316	15.554	0.08361	3.20736	4	X
K09V04E	15.4	0.15	K134I	64.687	336.093	242.894	14.423	0.08612	3.06351	5	X
K09V92T	15.7	0.15	K134I	230.394	323.341	65.950	18.386	0.20691	3.13341	4	X
K09W70H	15.5	0.15	K134I	131.995	271.934	245.217	16.134	0.09242	3.08615	6	X
K09WB9G	16.4	0.15	K134I	307.509	282.090	33.183	0.910	0.18019	3.11168	7	X
K10A79X	17.5	0.15	K134I	353.987	107.370	125.324	24.353	0.07276	1.94339	6	X
K10E22B	18.5	0.15	K134I	107.621	298.549	177.469	21.928	0.09889	1.91137	4	X
K10KC5M	17.6	0.15	K134I	253.043	205.537	161.415	9.424	0.22699	2.33860	3	S
K10N99B	17.4	0.15	K134I	297.837	321.553	351.220	3.122	0.13291	2.39872	4	X
K10O08P	17.9	0.15	K134I	295.716	22.260	296.517	2.622	0.14034	2.39428	6	X
K10P32U	15.6	0.15	K134I	41.025	306.084	225.827	26.931	0.22370	3.16097	5	X
K10P76M	17.6	0.15	K134I	261.165	26.485	327.049	3.359	0.24321	2.28572	8	X
K10P77F	17.9	0.15	K134I	278.316	296.079	42.433	5.776	0.18382	2.27570	7	X
K10Q04M	17.4	0.15	K134I	314.020	126.692	162.708	5.960	0.15352	2.30198	5	X
K10R25T	17.1	0.15	K134I	289.937	124.389	192.648	6.653	0.13437	2.35921	3	X
K10RB9G	18.2	0.15	K134I	295.530	135.871	176.328	4.167	0.14813	2.36903	5	S
K10RC0A	17.3	0.15	K134I	26.505	304.362	257.334	3.293	0.12803	2.61107	5	X
K10RC6L	16.6	0.15	K134I	37.195	18.598	168.683	13.771	0.10379	2.64581	4	X
K10RE7N	17.8	0.15	K134I	195.452	28.252	16.154	5.927	0.03248	2.58382	6	X
K10S13G	18.4	0.15	K134I	240.612	225.042	253.035	33.838	0.74820	1.25239	4	X
K10T34Q	16.4	0.15	K134I	359.349	189.949	43.521	6.108	0.18161	2.53578	4	X
K10TA8X	17.1	0.15	K134I	64.281	345.214	183.405	14.974	0.05101	2.61591	4	X
K10U50B	17.5	0.15	K134I	322.184	206.510	73.055	6.185	0.06397	2.61777	3	X
K10U51N	15.6	0.15	K134I	82.534	90.132	50.458	19.461	0.06181	3.12717	3	X
K10U59O	15.7	0.15	K134I	343.231	342.992	263.907	8.827	0.02715	3.08491	7	X
K10V72W	16.0	0.15	K134I	80.442	90.698	53.741	14.977	0.15286	3.07837	4	X

K10V74Q	16.2	0.15	K134I	71.836	248.205	268.440	13.538	0.09262	2.86043	6 X
K10VC0U	16.4	0.15	K134I	236.124	301.434	69.993	12.952	0.08924	2.74544	5 X
K10VC8P	16.7	0.15	K134I	249.939	328.514	26.859	6.128	0.02683	2.67414	7 X
K10VD7S	15.4	0.15	K134I	138.084	341.372	111.058	18.415	0.16604	3.12391	4 X
K10VH4Y	17.0	0.15	K134I	254.162	286.667	67.037	7.145	0.05124	2.70887	4 X
K10W72X	16.1	0.15	K134I	310.629	27.726	269.447	8.178	0.09888	2.64940	5 X
K10W73S	15.4	0.15	K134I	10.252	155.940	76.987	12.518	0.08668	3.07306	5 X
K10X12E	15.5	0.15	K134I	246.446	256.207	99.391	12.027	0.08238	3.24030	6 X
K10Y03V	15.6	0.15	K134I	283.451	243.855	83.507	16.833	0.14109	3.08004	3 X
K11B00E	16.3	0.15	K134I	261.706	230.883	116.043	17.003	0.19753	3.04433	2 S
K11E85N	15.7	0.15	K134I	100.492	10.523	195.475	12.733	0.05454	3.00247	6 X
K11F90E	16.4	0.15	K134I	141.237	47.666	135.172	9.080	0.08063	3.02839	5 W
K11UV5E	16.7	0.15	K134I	74.318	279.795	218.775	22.667	0.21123	2.40361	6 X
K11W91F	16.7	0.15	K134I	49.576	105.982	68.768	13.632	0.17012	2.69889	5 X
K11W95U	19.4	0.15	K134I	311.670	242.189	67.842	6.724	0.42461	1.66626	2 X
K11WD6K	17.5	0.15	K134I	347.327	174.890	75.986	5.714	0.14963	2.17362	4 X
K11WE4H	16.2	0.15	K134I	13.981	97.130	64.181	25.906	0.21416	3.20065	2 S
K11WE5X	17.1	0.15	K134I	346.715	197.679	51.351	7.016	0.08721	2.21971	8 X
K11Y00E	17.7	0.15	K134I	267.147	237.351	97.127	25.678	0.07020	1.98569	2 X
K12A04P	17.3	0.15	K134I	139.812	356.840	104.450	7.719	0.05098	2.28529	7 X
K12A14K	16.4	0.15	K134I	44.802	258.731	283.706	6.826	0.14585	2.70950	6 X
K12A19S	16.4	0.15	K134I	333.337	39.697	234.835	5.936	0.12671	2.32506	6 X
K12B55J	16.8	0.15	K134I	149.581	75.101	8.690	6.044	0.14120	2.75835	5 X
K12B55M	15.9	0.15	K134I	49.300	53.207	130.401	11.939	0.02731	3.12173	4 X
K12B56T	16.1	0.15	K134I	357.512	109.117	126.231	9.884	0.09472	2.75045	5 X
K12BA6R	15.7	0.15	K134I	42.233	56.239	116.369	17.680	0.07141	3.13301	2 S
K12BA7Z	17.1	0.15	K134I	317.579	165.326	127.334	15.486	0.14110	2.45458	2 S
K12BA9B	16.0	0.15	K134I	3.576	108.251	125.255	16.479	0.19279	3.16563	6 X
K12BC0B	17.4	0.15	K134I	104.856	189.745	304.378	4.149	0.03410	2.54352	6 X
K12BF1N	17.6	0.15	K134I	159.087	125.579	311.454	6.280	0.09207	2.31927	3 X
K12C09M	17.6	0.15	K134I	337.010	306.699	316.608	4.734	0.00464	2.67465	5 X
K12C41S	16.6	0.15	K134I	321.911	152.501	135.902	14.193	0.15671	2.75486	3 X
K12D13V	17.2	0.15	K134I	140.573	82.775	15.483	2.689	0.06876	2.70948	6 X
K12D14A	24.0	0.15	K134I	231.098	195.535	146.996	11.608	0.08940	0.91032	2 W
K12D15Z	15.5	0.15	K134I	189.480	282.727	122.573	10.834	0.01789	3.00430	7 X
K12D19C	15.6	0.15	K134I	40.484	284.147	268.418	10.103	0.07890	3.19589	3 X
K12D22R	16.5	0.15	K134I	149.906	276.512	175.431	9.411	0.02386	2.91499	5 S
K12D23E	15.6	0.15	K134I	115.322	299.972	173.798	16.299	0.10991	3.08070	7 X
K12D27V	16.0	0.15	K134I	41.761	33.807	159.438	12.672	0.08325	3.13754	5 X
K12D33M	15.5	0.15	K134I	125.952	295.328	166.302	17.750	0.14351	3.13858	7 X
K12D58S	16.2	0.15	K134I	287.390	174.817	153.756	11.016	0.11107	2.97162	5 X
K12D68F	15.9	0.15	K134I	336.148	108.298	158.780	11.539	0.17644	3.04288	6 X
K12D75R	16.0	0.15	K134I	47.009	256.586	290.076	7.401	0.06456	3.22399	6 X
K12D84Y	15.9	0.15	K134I	245.917	196.600	169.015	14.792	0.09352	3.13025	2 S
K12D90J	16.3	0.15	K134I	281.463	182.389	147.915	14.584	0.10729	2.68947	6 X
K12D97P	15.7	0.15	K134I	25.897	75.192	135.774	12.058	0.02805	3.23117	6 X
K12E02V	15.6	0.15	K134I	85.619	351.973	158.858	10.436	0.05294	3.03520	6 X
K12F34Q	15.0	0.15	K134I	239.944	201.373	169.664	12.428	0.08517	3.35537	8 X
K12F76E	15.9	0.15	K134I	167.764	264.655	168.609	15.408	0.07868	3.13267	2 S
K12G12S	15.9	0.15	K134I	336.961	156.544	177.258	15.557	0.15002	2.83876	7 X
K12H76E	16.6	0.15	K134I	18.199	82.555	195.855	11.527	0.19706	3.06722	4 X
K13A26R	17.5	0.15	K134I	82.500	292.782	90.840	4.328	0.11391	2.34304	4 W

K13A36N	17.1	0.15	K134I	329.275	68.414	103.836	12.456	0.06440	2.84460	3 W
K13A49B	18.2	0.15	K134I	25.515	294.819	171.395	11.175	0.25227	2.78479	3 W
K13A55E	17.1	0.15	K134I	53.954	80.262	0.076	6.230	0.01620	2.73809	4 W
K13AA1U	18.2	0.15	K134I	52.857	223.611	212.478	9.645	0.14201	2.77970	2 W
K13AB2O	17.1	0.15	K134I	34.313	155.256	286.692	5.584	0.12025	2.39784	5 W
K13AB8R	17.2	0.15	K134I	16.477	59.551	61.516	5.659	0.18106	2.69884	5 W
K13AC3O	17.9	0.15	K134I	68.768	155.133	242.553	10.717	0.32902	2.60198	3 W
K13AD8N	17.8	0.15	K134I	356.770	325.865	179.959	15.929	0.20178	3.14896	3 W
K13AD8P	17.9	0.15	K134I	72.467	215.826	182.326	13.927	0.25827	2.58204	2 W
K13AD9O	16.7	0.15	K134I	121.303	157.199	213.572	13.542	0.01663	3.07618	5 W
K13AD9V	18.1	0.15	K134I	317.455	21.695	171.970	14.650	0.13842	2.75552	2 W
K13AE0B	17.6	0.15	K134I	148.012	106.674	232.121	14.064	0.16073	2.54289	4 W
K13AE0X	17.0	0.15	K134I	177.852	131.094	179.034	14.476	0.24908	2.94378	5 W
K13AE1A	18.3	0.15	K134I	57.761	161.834	255.373	17.077	0.22102	3.13724	2 W
K13AE1B	16.6	0.15	K134I	267.414	61.862	184.405	13.108	0.19366	3.08057	4 W
K13AE1K	18.4	0.15	K134I	64.045	216.828	198.880	12.737	0.15712	3.04004	2 W
K13AE1O	16.7	0.15	K134I	46.759	227.066	218.830	14.350	0.03081	3.23380	3 W
K13AE2N	17.4	0.15	K134I	98.192	198.669	183.419	16.638	0.12459	3.10840	2 W
K13AE2Z	17.8	0.15	K134I	93.395	185.319	198.514	14.410	0.18679	2.74870	3 W
K13AE3A	17.3	0.15	K134I	312.859	6.609	203.870	14.014	0.19925	2.59880	6 W
K13AE3E	17.4	0.15	K134I	315.257	352.718	212.959	13.389	0.18625	2.69209	4 W
K13AE3M	19.3	0.15	K134I	57.598	237.848	187.764	10.667	0.23220	2.40375	2 W
K13AE6Z	17.5	0.15	K134I	34.466	210.093	244.363	14.734	0.11592	3.16153	2 W
K13AE8H	18.2	0.15	K134I	159.318	122.325	210.337	10.508	0.06851	2.73363	3 W
K13AE9X	16.7	0.15	K134I	27.278	269.230	190.856	8.589	0.12516	3.43472	5 W
K13AF0F	16.2	0.15	K134I	255.529	55.560	191.230	9.298	0.10195	3.23044	5 W
K13AF0U	17.8	0.15	K134I	73.050	207.349	210.075	8.876	0.04129	3.06933	3 W
K13AF6B	18.2	0.15	K134I	94.230	132.067	275.529	19.824	0.10039	1.90527	3 W
K13AF6N	16.3	0.15	K134I	130.599	114.988	244.744	11.846	0.05535	3.10208	4 W
K13AF8B	18.3	0.15	K134I	70.033	182.654	214.548	7.577	0.24854	3.10329	2 W
K13AF8J	17.3	0.15	K134I	41.955	262.681	178.688	10.949	0.16329	3.15067	3 W
K13AG0J	17.1	0.15	K134I	198.949	129.741	170.327	10.087	0.07727	2.72489	5 W
K13AG0K	17.3	0.15	K134I	239.558	66.970	204.125	7.459	0.18983	2.79293	5 W
K13AG1D	16.7	0.15	K134I	29.776	226.395	234.812	9.447	0.14005	3.16323	4 W
K13AG1U	17.5	0.15	K134I	82.814	195.832	191.352	9.065	0.25145	2.78191	5 W
K13AG2C	19.1	0.15	K134I	30.800	236.149	233.583	7.559	0.16616	2.40461	3 W
K13AG2H	17.4	0.15	K134I	124.195	181.010	180.232	10.104	0.10236	3.12080	4 W
K13AG2O	16.9	0.15	K134I	149.040	166.050	176.324	10.597	0.07586	2.96879	3 W
K13AG4W	15.8	0.15	K134I	344.313	300.243	212.285	11.355	0.13635	5.18396	2 W
K13AG5A	17.1	0.15	K134I	237.600	61.317	199.554	9.961	0.01775	3.11634	6 W
K13AG5F	17.6	0.15	K134I	17.619	250.630	228.087	9.176	0.18139	3.13225	3 W
K13AG6K	17.4	0.15	K134I	56.476	239.469	187.552	8.517	0.15169	3.07194	3 W
K13AG8H	16.9	0.15	K134I	182.443	95.367	218.956	8.212	0.06467	3.11345	6 W
K13AG9H	16.8	0.15	K134I	6.125	289.721	201.897	8.861	0.01738	3.20483	4 W
K13AH0B	18.9	0.15	K134I	143.262	187.081	168.990	9.595	0.06753	2.33760	3 W
K13AH1P	17.7	0.15	K134I	209.736	87.403	202.864	10.744	0.07852	2.94907	2 W
K13AH1Y	17.2	0.15	K134I	15.396	295.595	185.324	10.795	0.07522	3.17530	4 W
K13AH3J	18.3	0.15	K134I	103.280	162.972	228.958	10.044	0.03558	3.02409	2 W
K13AH4A	18.7	0.15	K134I	244.982	94.440	174.748	11.471	0.17159	2.40677	4 W
K13AH4N	17.5	0.15	K134I	4.727	282.936	218.076	10.752	0.14166	2.66289	4 W
K13AH4Q	17.5	0.15	K134I	47.927	229.915	221.339	10.318	0.04514	2.58843	6 W
K13AH4X	18.4	0.15	K134I	11.366	296.170	204.044	8.576	0.20893	2.44232	2 W

K13AH7O	16.8	0.15	K134I	107.467	210.509	165.380	13.021	0.08485	3.11080	4	W
K13G35J	15.8	0.15	K134I	49.077	219.259	291.247	41.196	0.48896	2.13920	2	W
K13GD0W	17.1	0.15	K134I	328.451	222.415	42.693	7.751	0.16545	2.19858	4	X
K13J63C	17.6	0.15	K134I	321.421	245.666	29.921	5.884	0.16666	2.34600	5	X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K13B18K	19.6	0.15	K134I	22.012	64.639	137.770	28.897	0.49416	1.62599	147	X
K13B27E	20.8	0.15	K134I	328.864	298.065	301.568	17.209	0.37217	1.50419	24	X
K13B45O	20.4	0.15	K134I	50.769	164.997	255.311	4.982	0.45042	2.25354	14	X
K13B45P	20.3	0.15	K134I	121.062	202.758	139.671	32.017	0.64228	1.50385	22	X
K13B80R	18.3	0.15	K134I	358.729	78.776	104.410	28.440	0.38200	2.63409	143	S
K13C35W	21.0	0.15	K134I	13.140	198.046	339.292	5.884	0.41257	1.93991	127	X
K13E89S	18.9	0.15	K134I	347.108	277.968	337.898	9.881	0.57123	2.65707	91	X
K13EA5B	16.5	0.15	K134I	7.616	354.913	219.652	14.272	0.27065	2.57769	91	X
K13J14M	21.5	0.15	K134I	16.447	44.283	109.569	8.110	0.51059	1.89391	34	X
K13J28R	21.6	0.15	K134I	328.672	229.955	103.965	6.566	0.65220	2.20670	32	W
K13J29G	20.7	0.15	K134I	26.024	28.352	104.917	8.935	0.59840	1.84345	28	X
K13K05Y	19.3	0.15	K134I	33.563	7.795	99.475	19.945	0.65408	1.83504	22	X
K13K06F	21.1	0.15	K134I	324.635	188.745	116.641	9.937	0.48472	2.17952	14	X
K13K06N	18.5	0.15	K134I	10.474	232.301	229.662	23.626	0.85081	1.46694	14	X
K13L01F	22.1	0.15	K134I	327.119	235.125	65.297	6.756	0.44977	2.11784	9	X
K13L06Q	24.8	0.15	K134I	359.050	315.850	246.875	3.336	0.46548	1.85951	8	X
K13L07C	19.4	0.15	K134I	306.027	298.910	93.753	40.113	0.79572	1.50236	8	X
K13L07E	27.1	0.15	K134I	334.209	34.230	205.100	1.733	0.10342	1.16028	6	X
K13L07F	22.0	0.15	K134I	331.664	185.716	128.229	5.431	0.59703	2.45192	6	X
K13L07K	20.4	0.15	K134I	48.353	33.554	92.201	21.561	0.34753	1.12087	6	W
K13L16E	18.6	0.15	K134I	337.422	198.211	81.927	32.726	0.60198	2.52489	6	X
K13L16G	19.2	0.15	K134I	140.785	209.125	233.389	11.495	0.42119	1.60157	6	X
K13L16H	18.8	0.15	K134I	331.038	201.367	164.311	8.562	0.77703	2.96634	5	W

New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K02T87G	17.3	0.15	K029N	19.214	99.394	239.747	0.875	0.22449	2.65496	45	S
K02TF3C	17.8	0.15	K029N	236.605	297.793	199.270	27.305	0.03226	2.06631	2	X
K02TF3H	16.9	0.15	K029N	337.576	80.392	321.500	3.881	0.12828	2.82851	2	X
K02TF3J	15.1	0.15	K02AD	74.307	284.171	7.567	15.544	0.10409	3.11987	49	X
K02TF3O	17.5	0.15	K02AD	359.092	13.962	5.790	12.102	0.20411	2.60803	49	X
K02TF3Q	18.0	0.15	K02AD	318.964	59.790	8.494	5.793	0.11642	2.25768	33	X
K02TF4B	17.7	0.15	K02AD	41.111	97.522	215.866	4.573	0.24989	2.38921	26	X
K13E89U	16.2	0.15	K134I	30.956	35.339	142.901	27.865	0.26082	2.57812	85	S
K13F10Z	16.1	0.15	K133T	255.759	302.989	11.949	11.599	0.10288	3.03235	42	S
K13G02E	18.7	0.15	K133T	353.034	185.831	20.428	3.898	0.17033	2.28969	16	S
K13G21H	18.7	0.15	K134I	21.083	233.388	307.140	3.025	0.11212	2.24328	30	S
K13G35S	18.9	0.15	K134I	335.756	21.884	212.660	4.259	0.12853	2.33681	39	S
K13G63Q	17.7	0.15	K134I	3.959	201.570	0.772	8.436	0.14756	2.74537	25	S
K13G63R	18.9	0.15	K134I	8.932	315.354	237.803	4.403	0.22179	2.31608	25	S
K13G70H	16.3	0.15	K1358	9.579	11.714	212.390	12.066	0.18560	3.16359	66	X
K13G76M	16.3	0.15	K133T	336.950	99.720	122.341	17.663	0.08124	3.04056	8	S
K13G81F	18.5	0.15	K133T	49.133	101.131	38.834	3.346	0.13573	2.29653	11	S
K13G92S	16.0	0.15	K134I	310.351	168.296	118.059	15.878	0.20706	2.63681	92	S
K13GA1G	16.6	0.15	K1358	51.008	108.648	50.783	13.626	0.12344	2.67421	52	S

K13GA3X	18.7	0.15	K134I	12.633	156.897	32.332	3.925	0.12385	2.56563	35 S
K13GA5K	17.2	0.15	K134I	15.945	288.809	254.783	6.126	0.12723	2.60527	30 S
K13GA5S	15.2	0.15	K134I	317.873	295.927	324.384	16.830	0.15981	3.11734	32 S
K13GA8X	17.5	0.15	K134I	327.558	274.786	333.845	6.229	0.12926	2.56993	25 S
K13GA8Z	17.1	0.15	K134I	315.857	281.027	349.393	4.259	0.20142	2.64573	31 S
K13GA9A	17.6	0.15	K134I	327.425	231.572	20.387	7.643	0.16122	2.57125	25 S
K13GB0A	15.6	0.15	K134I	261.874	288.738	33.418	19.071	0.14439	3.04489	63 S
K13GB0Z	17.9	0.15	K1358	329.995	205.657	61.756	4.345	0.20465	2.31059	54 S
K13GB3Z	17.6	0.15	K134I	308.964	242.467	28.686	1.129	0.15520	2.38083	22 S
K13GB4K	16.5	0.15	K1358	39.406	34.939	146.278	5.159	0.16311	2.56749	50 S
K13GB5A	16.1	0.15	K1358	317.322	117.918	190.096	16.044	0.23506	3.12692	58 X
K13GC0F	18.3	0.15	K134I	239.786	327.273	4.767	6.792	0.09038	2.39128	24 S
K13GC1V	16.6	0.15	K134I	99.444	137.863	322.147	6.453	0.05908	2.74626	25 S
K13GD0D	17.5	0.15	K134I	297.411	25.074	257.453	5.059	0.11543	2.59393	23 S
K13GD2E	16.7	0.15	K1358	321.894	198.841	98.985	23.146	0.36486	2.65267	58 S
K13GD3P	17.0	0.15	K133T	306.896	261.975	18.585	16.293	0.26756	3.15505	17 S
K13GD3Q	18.5	0.15	K134I	305.108	268.037	16.645	5.528	0.22674	2.25283	32 S
K13GD4L	18.7	0.15	K133T	9.625	156.434	28.479	10.408	0.20124	2.71028	18 S
K13GD5X	16.4	0.15	K1358	297.795	145.676	173.490	12.715	0.23794	2.57638	62 X
K13GD5Z	16.9	0.15	K1358	296.647	217.947	92.864	3.428	0.13630	2.52775	50 S
K13H05W	17.5	0.15	K1358	333.389	150.442	123.437	6.333	0.23692	2.30929	58 S
K13H14P	16.3	0.15	K1358	351.592	162.584	95.666	16.976	0.30100	2.74732	48 S
K13H15A	17.6	0.15	K1358	341.630	154.718	82.643	23.951	0.04217	1.96115	61 S
K13H15F	17.9	0.15	K133T	311.208	256.713	10.125	6.546	0.19186	2.17851	10 S
K13H15Z	17.1	0.15	K1358	312.619	246.553	46.069	5.883	0.12943	2.39432	46 S
K13H16E	18.7	0.15	K133T	341.434	214.872	11.671	3.010	0.19828	2.32059	10 S
K13H18K	16.7	0.15	K133T	285.671	234.021	64.073	1.046	0.16348	3.10681	12 S
K13H22Q	17.6	0.15	K134I	343.746	240.172	347.564	3.009	0.17542	2.56377	27 S
K13H22Z	14.9	0.15	K1358	313.388	172.551	123.914	14.801	0.16824	3.20017	50 S
K13H23Y	15.8	0.15	K1358	325.708	178.266	97.045	14.936	0.15783	2.62819	50 S
K13H24C	16.0	0.15	K134I	320.861	110.805	165.028	17.800	0.21805	3.09829	14 S
K13H24S	16.6	0.15	K1358	348.956	11.547	222.906	13.883	0.16971	2.76178	54 S
K13H27U	17.2	0.15	K1358	19.014	333.078	232.894	7.028	0.20135	2.65175	55 S
K13H29B	15.6	0.15	K134I	324.045	129.303	156.466	16.829	0.20115	3.12971	29 S
K13J03J	18.6	0.15	K134I	22.479	197.085	347.350	5.996	0.05703	2.19905	25 S
K13J06K	16.1	0.15	K1358	355.408	106.536	130.761	15.799	0.11085	2.83769	47 S
K13J06R	16.0	0.15	K1358	19.633	346.519	231.318	14.891	0.04115	3.19159	36 S
K13J07Z	18.0	0.15	K1358	307.557	232.210	70.558	9.749	0.17827	2.24036	50 S
K13J08G	16.5	0.15	K1358	332.722	214.582	67.427	18.851	0.25599	3.07150	52 S
K13J09K	16.0	0.15	K1358	302.310	239.207	49.003	10.226	0.08929	3.09067	52 S
K13J12Y	16.9	0.15	K1358	319.112	79.408	233.663	25.512	0.34691	2.58520	27 S
K13J17L	17.6	0.15	K1358	117.175	249.477	224.946	20.380	0.08917	1.86070	41 X
K13J18H	16.3	0.15	K1358	337.268	122.514	145.621	15.777	0.28258	3.03954	33 S
K13J19M	15.8	0.15	K1358	209.143	328.109	66.888	9.533	0.21347	2.99323	56 S
K13J20T	17.5	0.15	K1358	323.323	163.914	119.535	7.675	0.12158	2.58705	29 S
K13J24F	18.1	0.15	K134I	346.806	116.919	117.526	11.478	0.21576	2.25500	50 S
K13J24G	16.1	0.15	K1358	260.392	284.372	41.671	6.857	0.05636	2.76967	52 S
K13J28B	15.8	0.15	K1358	335.787	189.832	84.259	17.963	0.23513	3.16527	60 X
K13J28E	17.0	0.15	K1358	61.141	35.641	125.112	8.509	0.13796	2.73736	30 S
K13J30W	17.0	0.15	K1358	339.380	104.662	159.896	9.512	0.12069	2.24496	28 S
K13J31R	17.8	0.15	K1358	344.837	150.205	113.199	7.550	0.22931	2.18183	24 S
K13J31X	17.1	0.15	K135S	343.779	144.800	121.688	14.805	0.14119	2.70170	31 X

K13J32G	16.6	0.15	K1358	279.936	221.664	113.397	11.322	0.09990	2.97155	37 S
K13J34Z	15.6	0.15	K1358	34.246	323.921	234.046	26.060	0.12283	3.16331	34 S
K13J35E	15.8	0.15	K1358	19.939	91.700	106.442	17.232	0.19122	3.13138	57 S
K13J35H	16.5	0.15	K1358	356.292	352.217	245.459	11.042	0.14584	2.65085	27 S
K13J35N	15.4	0.15	K1358	148.476	202.145	239.322	14.873	0.04654	3.18899	52 S
K13J36N	15.9	0.15	K1358	295.913	234.349	89.122	14.225	0.21589	2.77039	32 S
K13J36X	14.9	0.15	K133T	315.963	188.004	93.094	10.507	0.06297	3.16139	118 S
K13J37G	17.6	0.15	K1358	323.872	50.727	228.346	3.671	0.21114	2.29934	53 S
K13J37K	15.7	0.15	K134I	3.917	15.349	216.105	16.799	0.16324	3.12871	60 S
K13J37R	18.5	0.15	K1358	38.855	92.897	98.182	24.018	0.05547	1.86014	41 X
K13J37T	16.6	0.15	K1358	18.955	90.512	101.378	30.043	0.25712	2.57967	35 S
K13J37U	15.5	0.15	K1358	321.971	155.166	142.416	25.377	0.19744	3.09353	40 S
K13J38B	15.4	0.15	K1358	298.498	152.768	151.943	21.785	0.09866	3.22128	17 S
K13J38Y	15.8	0.15	K1358	304.495	191.559	113.738	11.632	0.08092	3.16202	29 S
K13J39F	17.3	0.15	K1358	327.743	194.613	91.568	17.623	0.24573	2.61659	41 S
K13J40O	16.4	0.15	K1358	312.560	186.795	106.267	11.658	0.09296	3.16800	30 S
K13J42G	16.3	0.15	K1358	330.765	104.724	162.799	9.362	0.10652	2.65213	58 S
K13J45U	18.5	0.15	K1358	299.616	60.892	237.559	20.186	0.07606	1.91558	50 S
K13J46H	17.6	0.15	K1358	315.045	179.008	127.430	5.790	0.21970	2.23256	37 S
K13J46K	16.7	0.15	K1358	336.962	72.859	206.426	12.313	0.24876	2.60115	40 S
K13J46T	17.7	0.15	K135S	24.449	348.919	228.980	24.460	0.16455	2.30253	31 S
K13J46X	18.0	0.15	K1358	308.576	184.254	131.894	6.540	0.22546	2.25232	27 S
K13J49N	17.8	0.15	K1358	23.658	134.410	60.542	7.082	0.11869	2.32184	52 S
K13J51D	16.0	0.15	K1358	284.928	235.343	98.231	7.229	0.19308	3.19210	57 S
K13J52S	18.1	0.15	K1358	66.433	85.736	75.196	23.419	0.07553	1.96773	39 S
K13J53L	16.1	0.15	K1358	243.526	119.371	225.593	7.434	0.04233	3.12683	34 S
K13J55F	17.8	0.15	K1358	313.714	193.947	102.114	2.344	0.18015	2.41124	50 S
K13J56S	17.3	0.15	K1358	257.688	198.767	155.277	5.689	0.18340	2.29256	53 S
K13J58L	16.4	0.15	K1358	284.454	216.930	102.339	6.110	0.06737	2.77020	40 S
K13J59S	17.5	0.15	K1358	327.754	76.415	194.627	1.836	0.17024	2.65403	53 S
K13J60K	15.9	0.15	K1358	327.046	192.681	91.989	13.440	0.12661	3.07955	36 S
K13J60W	16.0	0.15	K1358	284.571	86.664	235.692	8.789	0.11781	3.17519	49 S
K13J60Y	18.2	0.15	K1358	339.769	189.894	71.587	2.433	0.17554	2.41656	50 S
K13J61B	17.8	0.15	K1358	14.895	145.644	70.247	2.504	0.09384	2.48849	33 S
K13J61E	18.1	0.15	K1358	1.773	165.675	65.907	2.452	0.12371	2.39068	33 S
K13J61R	17.4	0.15	K1358	309.077	159.228	148.035	2.860	0.19407	2.63842	34 S
K13J61S	15.5	0.15	K1358	322.219	205.598	73.295	12.908	0.05094	3.12672	33 S
K13J61T	15.3	0.15	K1358	288.957	236.708	81.288	10.632	0.08353	3.11918	55 S
K13J61V	17.1	0.15	K1358	316.988	73.830	217.231	9.481	0.12250	2.66904	43 S
K13J62C	16.0	0.15	K1358	334.430	44.995	223.931	12.392	0.10662	3.07887	57 S
K13K01A	15.8	0.15	K1358	353.594	25.133	221.261	8.564	0.07214	2.73521	57 S
K13K01G	17.4	0.15	K1358	357.399	138.058	101.334	4.455	0.20510	2.31662	65 S
K13K02Z	18.3	0.15	K135S	307.188	205.092	96.241	25.797	0.06115	1.92960	26 S
K13K03B	18.2	0.15	K135S	304.424	190.251	114.304	27.876	0.06150	1.87788	23 X
K13K03D	17.1	0.15	K135S	337.686	75.357	266.269	12.674	0.31374	2.33586	23 S
K13K03T	17.3	0.15	K1358	333.239	191.879	80.646	14.228	0.25819	2.64261	59 S
K13K05P	17.3	0.15	K1358	331.911	185.683	88.728	6.361	0.15490	2.32511	40 S
K13K05Q	17.5	0.15	K135S	358.199	34.979	210.706	6.241	0.02636	2.19947	25 S
K13K06W	16.5	0.15	K1358	344.172	189.285	63.438	12.888	0.08622	2.71331	50 S
K13K06X	18.0	0.15	K135S	313.429	236.172	68.288	3.441	0.16032	2.17654	4 S
K13K07E	16.9	0.15	K1358	23.579	148.237	47.775	12.978	0.13630	2.74293	15 S
K13K07G	17.4	0.15	K1358	310.283	229.906	84.152	23.125	0.23287	2.33826	28 S

K13K07K	16.4	0.15	K1358	4.821	143.997	83.494	29.795	0.26047	3.09675	43	X
K13K07M	16.9	0.15	K1358	30.820	44.486	147.227	14.028	0.25055	2.53574	28	S
K13K07Q	15.5	0.15	K135S	215.332	344.436	55.245	6.157	0.09807	2.46022	3	S
K13K07Z	19.2	0.15	K135S	277.611	225.139	96.846	22.957	0.03488	1.81439	2	S
K13K08H	15.8	0.15	K134I	355.940	123.077	118.823	23.273	0.17003	3.07893	53	S
K13K08W	16.4	0.15	K135S	0.609	34.755	205.672	5.825	0.16285	3.11489	12	S
K13K09Q	16.3	0.15	K1358	128.316	317.612	148.924	4.376	0.03914	3.00342	34	S
K13K09U	16.0	0.15	K135S	263.480	268.137	74.792	10.808	0.05440	3.13931	5	S
K13K09V	16.3	0.15	K135S	13.456	4.563	221.155	9.269	0.08841	3.04433	12	S
K13K10P	15.3	0.15	K1358	187.879	318.267	94.563	26.283	0.11018	3.13974	30	S
K13K11B	17.0	0.15	K135S	344.381	143.260	116.120	5.408	0.04138	2.65357	21	S
K13K11D	16.5	0.15	K1358	35.552	320.150	230.035	13.223	0.13663	2.72146	34	S
K13K11Y	17.6	0.15	K1358	2.023	159.499	76.318	15.197	0.20977	2.57119	36	S
K13K12B	16.9	0.15	K1358	274.492	230.570	97.981	7.774	0.05252	2.34766	28	S
K13K12L	17.1	0.15	K1358	320.254	142.842	152.793	17.342	0.17582	2.64216	27	S
K13K12Y	15.8	0.15	K135S	194.400	342.644	65.920	7.401	0.06496	3.15195	25	S
K13K12Z	18.1	0.15	K135S	334.598	197.278	80.726	2.463	0.16524	2.41302	25	S
K13K13E	18.8	0.15	K1358	325.698	203.496	79.065	2.502	0.18923	2.17258	33	S
K13K13X	16.3	0.15	K1358	285.338	220.355	115.918	14.398	0.19625	2.54502	31	S
K13K14C	15.8	0.15	K1358	270.058	254.270	87.578	10.137	0.12905	3.02394	34	S
K13K14D	15.8	0.15	K1358	204.584	315.860	80.089	16.213	0.04802	3.14254	59	S
K13K14F	17.9	0.15	K135S	327.432	115.083	182.001	4.410	0.25266	2.66095	12	S
K13K14U	18.6	0.15	K135S	350.717	167.972	89.053	6.352	0.14744	2.15532	26	S
K13K15A	17.1	0.15	K135S	1.621	130.344	113.641	14.407	0.14910	2.68773	12	S
K13K15B	16.6	0.15	K135S	311.141	235.973	84.585	16.428	0.27775	2.54872	24	X
K13K15O	19.3	0.15	K135S	340.433	36.675	242.644	4.979	0.22759	2.00793	5	S
K13K16G	16.3	0.15	K1358	307.617	229.042	61.575	10.501	0.07267	2.96657	49	S
K13K16N	15.7	0.15	K1358	293.328	225.094	90.169	16.759	0.08367	3.17818	32	S
K13K16P	16.6	0.15	K1358	359.206	144.027	96.019	12.804	0.17665	2.99463	28	S
K13L01K	17.7	0.15	K135S	0.512	133.733	111.072	16.675	0.27513	2.76113	11	X
K13L01L	15.9	0.15	K135S	273.339	252.170	102.995	27.515	0.20037	3.05266	11	X
K13L01P	17.9	0.15	K135S	354.483	20.390	239.864	3.972	0.20573	2.66268	2ES	
K13L01Q	18.3	0.15	K135S	352.387	24.941	237.321	3.284	0.17283	2.30812	2ES	
K13L01S	16.2	0.15	K135S	349.031	21.800	235.376	12.845	0.12643	2.69193	26	S
K13L03E	18.7	0.15	K135S	350.842	99.477	162.194	12.977	0.24460	2.65865	8	S
K13L04C	17.2	0.15	K135S	41.445	120.420	69.147	10.161	0.11209	2.57149	9	S
K13L04L	16.2	0.15	K135S	359.335	157.285	96.742	19.615	0.19091	2.68082	3	S
K13L04V	16.9	0.15	K135S	329.647	186.627	99.518	6.343	0.19164	2.56486	8	S
K13L05B	16.8	0.15	K135S	272.947	212.752	128.683	4.186	0.09100	2.55929	8	S
K13L05C	16.3	0.15	K135S	312.741	214.203	101.432	6.146	0.23712	2.54677	26	S
K13L05F	18.9	0.15	K135S	321.212	197.622	100.777	3.826	0.19453	2.16770	8	S
K13L05G	16.8	0.15	K135S	266.065	148.829	211.741	4.374	0.22895	2.54366	8	S
K13L05H	17.9	0.15	K135S	317.125	163.740	138.680	2.338	0.18378	2.39047	25	S
K13L05P	16.2	0.15	K1358	327.045	168.455	104.026	15.021	0.16802	2.79764	52	S
K13L05Q	15.9	0.15	K1358	283.591	213.426	101.115	18.114	0.09202	2.84548	49	S
K13L05T	18.5	0.15	K135S	357.696	170.251	84.366	6.719	0.21360	2.25141	2ES	
K13L05Z	16.2	0.15	K1358	282.143	253.740	63.709	11.949	0.02382	3.13164	21	S
K13L06G	18.4	0.15	K1358	318.449	206.472	82.710	2.874	0.16741	2.13409	33	S
K13L07A	15.1	0.15	K135S	322.062	181.050	109.447	19.270	0.13685	3.17428	18	S
K13L07B	15.9	0.15	K135S	307.728	214.902	84.927	28.760	0.05944	2.57849	12	X
K13L07N	17.5	0.15	K135S	259.264	218.734	133.211	22.342	0.06090	1.84867	5	X
K13L07V	15.7	0.15	K135S	351.202	14.821	246.843	25.416	0.18174	3.01691	8	S

K13L08G	16.1	0.15	K135S	333.023	32.958	257.486	6.368	0.22498	3.06542	6ES
K13L09B	17.0	0.15	K135S	323.274	214.778	78.390	12.945	0.17743	2.61541	28 S
K13L09C	17.7	0.15	K135S	328.717	199.717	86.590	6.605	0.17329	2.25077	8 S
K13L09H	16.2	0.15	K135S	10.025	77.089	158.040	27.133	0.15229	3.09677	12 S
K13L09J	18.1	0.15	K1358	305.366	236.572	73.519	7.177	0.12949	2.30239	22 S
K13L10J	16.0	0.15	K135S	310.686	237.912	72.197	13.149	0.14185	3.04816	27 S
K13L10Q	15.6	0.15	K135S	13.366	28.385	202.552	10.105	0.05922	2.98638	27 S
K13L11O	16.1	0.15	K135S	328.547	85.621	209.437	9.793	0.22750	3.15212	8 X
K13L12A	17.9	0.15	K135S	23.177	100.121	113.546	11.507	0.13102	2.39548	7 S
K13L12D	15.5	0.15	K135S	311.990	219.151	97.948	18.187	0.23425	3.16285	25 S
K13L12J	17.5	0.15	K135S	355.702	114.529	139.858	12.129	0.24833	2.59828	20 S
K13L13W	15.6	0.15	K135S	59.079	43.270	125.709	5.873	0.18884	2.56838	9 S
K13L14T	17.9	0.15	K135S	346.516	189.709	72.030	5.881	0.20292	2.37059	24 S
K13L14U	16.5	0.15	K1358	139.696	356.638	100.380	22.897	0.02523	2.66782	22 S
K13L15K	16.7	0.15	K135S	346.263	41.508	234.788	31.906	0.18656	2.62674	22 S
K13L15L	17.4	0.15	K135S	8.597	126.274	98.350	30.042	0.42638	3.52287	2 S
K13L15R	17.0	0.15	K135S	31.292	6.393	184.672	16.778	0.19571	3.14996	2 S
K13L15S	17.1	0.15	K135S	355.536	105.538	161.214	25.274	0.30291	3.14299	4 S
K13L15U	17.1	0.15	K135S	66.532	62.336	120.538	8.000	0.03636	2.38813	2 S
K13L15V	15.9	0.15	K135S	28.236	13.221	205.631	14.345	0.02277	3.17493	4 S
K13L17A	17.0	0.15	K135S	317.165	227.962	85.461	0.701	0.30473	3.03433	25 S
K13L18G	17.0	0.15	K135S	52.083	317.257	215.462	8.303	0.19226	2.75566	26 S
K13L18M	15.5	0.15	K1358	284.137	187.649	138.108	10.334	0.09003	3.17228	34 S
K13L18N	16.7	0.15	K135S	0.065	59.697	184.295	8.332	0.09489	2.79599	5 S
K13L19D	19.2	0.15	K135S	352.549	159.013	96.738	11.953	0.20211	2.36272	28 S
K13L21H	16.2	0.15	K1358	313.858	68.433	235.904	15.018	0.22518	3.18045	55 S
K13L21J	18.6	0.15	K135S	328.014	86.650	211.547	2.097	0.27545	2.32803	8 S
K13L21V	16.0	0.15	K135S	40.596	304.764	255.704	13.136	0.10308	2.76526	10 X
K13L21Y	16.9	0.15	K1358	4.982	345.725	235.832	19.026	0.24263	3.06628	17 S
K13L22H	17.0	0.15	K135S	312.186	179.763	132.326	12.228	0.17996	2.71839	8 S
K13L22K	16.9	0.15	K135S	21.718	35.572	183.754	9.988	0.10040	2.56967	27 S
K13L22M	17.0	0.15	K1358	343.438	145.400	113.730	19.473	0.16676	2.53188	25 S
K13L22N	18.0	0.15	K135S	336.720	107.161	180.077	11.490	0.27045	2.67695	12 S
K13L22R	16.4	0.15	K135S	6.137	171.096	69.424	7.618	0.07991	3.12303	8 X
K13L22Y	17.6	0.15	K135S	6.151	44.489	192.943	6.134	0.16580	2.31125	11 S
K13L23J	17.5	0.15	K135S	0.637	134.806	111.576	7.596	0.21503	2.23999	9 S
K13L23L	16.1	0.15	K135S	288.336	189.130	144.021	12.910	0.13979	3.03139	7 S
K13L23U	16.1	0.15	K135S	315.703	96.678	211.304	8.059	0.22733	3.14515	12 S
K13L23X	17.1	0.15	K135S	267.745	260.745	89.499	6.768	0.12073	2.22693	7 S
K13L24D	17.6	0.15	K135S	327.011	83.992	214.959	13.492	0.25462	2.66621	5 S
K13L25A	16.1	0.15	K135S	253.123	141.716	235.383	30.429	0.15449	2.59064	3 S
K13L25N	15.7	0.15	K135S	258.082	108.098	238.852	20.436	0.04825	3.10408	14 S
K13L26G	16.8	0.15	K135S	343.580	131.861	137.849	26.803	0.23034	3.20948	4 X
K13L26J	17.4	0.15	K135S	317.515	164.453	141.970	6.320	0.12311	2.64193	2 S
K13L26T	17.4	0.15	K135S	124.921	333.791	131.822	25.334	0.14860	1.84320	4ES

New observations:

K01U04X	KC2013	06	12.43171	21	24	33.85	+09	06	19.1	20.1	RqEL062448
K01U04X	KC2013	06	12.44027	21	24	32.02	+09	06	13.4		qEL062448
K01U04X	KC2013	06	12.45040	21	24	29.79	+09	06	08.2	20.4	RqEL062448
K02L24T	C2013	06	10.44827	21	04	42.34	-08	15	22.2	19.4	VuEL062703
K02L24T	C2013	06	10.44873	21	04	42.13	-08	15	21.6	18.9	VuEL062703

K02L24T	C2013	06	10.44917	21	04	41.95	-08	15	22.5	18.9	VuEL062703
K02L24T	C2013	06	10.44960	21	04	41.70	-08	15	22.2	19.0	VuEL062703
K02L24T	C2013	06	10.45002	21	04	41.48	-08	15	22.9	19.3	VuEL062703
K02N16V	C2013	06	12.46229	17	32	40.793	-04	11	32.55	19.7	gLEL062F51
K02N16V	C2013	06	12.47254	17	32	39.613	-04	11	20.76	19.8	gLEL062F51
K02TJ0R	C2013	06	11.94868	08	27	18.62	-69	55	01.9	19.9	VuEL062807
K02TJ0R	C2013	06	11.95113	08	27	18.94	-69	55	00.9	19.9	VuEL062807
K02TJ0R	C2013	06	11.95358	08	27	19.27	-69	54	59.8	20.1	VuEL062807
K02TJ0R	C2013	06	11.95602	08	27	19.56	-69	54	58.8	20.3	VuEL062807
K02TJ0R	C2013	06	11.95847	08	27	19.87	-69	54	57.8	20.3	VuEL062807
K05J46E	1C2013	06	12.01579	20	43	15.84	+01	03	06.0	16.3	qEL062G40
K05J46E	1C2013	06	12.08866	20	43	34.89	+01	07	59.1	16.3	qEL062G40
K05J46E	1C2013	06	12.10265	20	43	38.54	+01	08	55.5	16.4	qEL062G40
K05J46E	1C2013	06	12.11682	20	43	42.23	+01	09	53.0	16.4	qEL062G40
K08H03O	C2013	06	12.20039	14	50	16.00	+02	27	38.0	20.1	VuEL062703
K08H03O	C2013	06	12.20491	14	50	15.75	+02	27	41.9	19.3	VuEL062703
K08H03O	C2013	06	12.20943	14	50	15.39	+02	27	47.1	19.1	VuEL062703
K08H03O	C2013	06	12.21392	14	50	15.14	+02	27	51.3	19.3	VuEL062703
K08R98G	;C2004	09	15.29828722	23	34	23	-10	22	20.4		tEL062568
K08R98G	;C2004	09	15.32441022	23	32	64	-10	22	27.4		tEL062568
K08R98G	;C2004	09	15.38254622	23	29	13	-10	22	43.2		tEL062568
K08R98G	;C2004	09	15.42620422	23	26	48	-10	22	55.1		tEL062568
K08V00N	KC2013	06	12.13811	14	20	53.85	-13	11	58.8		qEL062448
K08V00N	KC2013	06	12.14873	14	20	53.12	-13	12	00.4	19.0	RqEL062448
K08V00N	KC2013	06	12.16166	14	20	52.20	-13	12	02.5	19.4	RqEL062448
K09B02L	C2013	06	12.28421	17	26	15.37	+13	13	50.5	17.8	RqEL062H45
K09B02L	C2013	06	12.28531	17	26	15.43	+13	13	46.6	17.7	RqEL062H45
K09B02L	C2013	06	12.28603	17	26	15.45	+13	13	43.9	17.7	RqEL062H45
K09B02L	C2013	06	12.28705	17	26	15.51	+13	13	40.3	17.8	RqEL062H45
K09B02L	C2013	06	12.28794	17	26	15.54	+13	13	37.1	18.0	RqEL062H45
K09B02L	C2013	06	12.28875	17	26	15.57	+13	13	34.2	17.7	RqEL062H45
K09B02L	KC2013	06	12.88750	17	26	48.37	+12	37	58.5	18.0	VqEL062A13
K09B02L	KC2013	06	12.89097	17	26	48.51	+12	37	45.9	18.0	VqEL062A13
K09B02L	KC2013	06	12.89446	17	26	48.65	+12	37	33.7	18.1	VqEL062A13
K09B02L	KC2013	06	12.91548	17	26	49.55	+12	36	20.2	18.0	VqEL062A13
K09L00S	C2013	06	11.94809	11	40	39.22	-35	55	08.2	20.4	VuEL062807
K09L00S	C2013	06	11.95053	11	40	39.62	-35	55	02.7	20.1	VuEL062807
K09L00S	C2013	06	11.95298	11	40	40.03	-35	54	57.5	20.2	VuEL062807
K09L00S	C2013	06	11.95542	11	40	40.44	-35	54	52.2	20.3	VuEL062807
K09N00A	C2013	06	12.37380	16	16	46.573	-26	19	02.48	20.6	wLEL062F51
K09N00A	C2013	06	12.38468	16	16	45.713	-26	18	58.05	20.6	wLEL062F51
K09N00A	C2013	06	12.39553	16	16	44.837	-26	18	53.44	20.6	wLEL062F51
K10S13G	KC2013	06	12.39504	23	09	27.19	+33	20	03.8	21.4	RoEL062291
K10S13G	KC2013	06	12.40354	23	09	27.95	+33	20	18.2	21.2	RoEL062291
K10S13G	KC2013	06	12.41207	23	09	28.75	+33	20	33.7	21.2	RoEL062291
K11W95U	C2013	06	12.16637	13	03	38.83	-10	56	24.7	17.7	RqEL062H45
K11W95U	C2013	06	12.16748	13	03	38.64	-10	56	27.0	17.6	RqEL062H45
K11W95U	C2013	06	12.16826	13	03	38.45	-10	56	27.7	17.3	RqEL062H45
K11W95U	C2013	06	12.16957	13	03	38.20	-10	56	30.1	17.7	RqEL062H45
K11W95U	C2013	06	12.17098	13	03	37.88	-10	56	31.9	17.8	RqEL062H45
K11W95U	C2013	06	12.17179	13	03	37.71	-10	56	33.1	17.8	RqEL062H45
K11W95U	C2013	06	12.17260	13	03	37.51	-10	56	34.7	17.9	RqEL062H45

K11W95U	C2013	06	12.17341	13	03	37.39	-10	56	36.4	17.8	RqEL062H45
K13B18K	KC2013	06	12.42640	23	33	37.33	+03	21	27.1	21.3	RoEL062291
K13B18K	KC2013	06	12.43943	23	33	38.28	+03	21	17.7	21.3	RoEL062291
K13B18K	KC2013	06	12.45249	23	33	39.22	+03	21	09.5	21.2	RoEL062291
K13B27E	2C2013	02	01.40736107	33	02.733	+18	48	20.18		21.1	RtEL062568
K13B27E	2C2013	02	01.40831307	33	02.577	+18	48	19.22		21.3	RtEL062568
K13B27E	2C2013	02	01.40926207	33	02.420	+18	48	18.26		21.2	RtEL062568
K13B45O	2C2013	02	01.58518608	40	10.123	+06	54	55.99		20.1	RtEL062568
K13B45O	2C2013	02	01.58649208	40	10.049	+06	54	56.32		20.3	RtEL062568
K13B45O	2C2013	02	01.58778608	40	09.964	+06	54	56.53		20.3	RtEL062568
K13B45P	2C2013	02	01.55502908	30	00.288	+06	52	09.53		21.7	RtEL062568
K13B45P	2C2013	02	01.55737708	29	59.994	+06	52	13.47		21.6	RtEL062568
K13B45P	2C2013	02	01.55971308	29	59.704	+06	52	17.33		21.7	RtEL062568
K13C35W	C2013	06	11.98299	14	46	39.47	-34	27	38.0	21.3	VuEL062807
K13C35W	C2013	06	11.98932	14	46	39.87	-34	27	34.3	21.5	VuEL062807
K13C35W	C2013	06	11.99563	14	46	40.27	-34	27	30.7	21.4	VuEL062807
K13E89S	C2013	06	11.94793	11	50	25.49	-55	07	06.2	18.4	VuEL062807
K13E89S	C2013	06	11.95037	11	50	25.99	-55	07	11.7	18.6	VuEL062807
K13E89S	C2013	06	11.95282	11	50	26.54	-55	07	16.8	18.6	VuEL062807
K13E89S	C2013	06	11.95527	11	50	27.01	-55	07	22.5	18.5	VuEL062807
K13E89S	C2013	06	11.95772	11	50	27.51	-55	07	27.9	18.6	VuEL062807
K13G35J	C2013	06	12.57604	19	47	10.84	-41	12	46.0	19.4	VoEL062E23
K13G35J	C2013	06	12.58299	19	47	09.93	-41	12	42.4	19.2	VoEL062E23
K13G35J	C2013	06	12.58993	19	47	08.96	-41	12	39.5	19.3	VoEL062E23
K13J14M	JC2013	06	10.28705	15	02	36.44	-01	00	52.0	21.8	RoEL062695
K13J14M	JC2013	06	10.29192	15	02	36.53	-01	00	59.9	21.8	RoEL062695
K13J14M	JC2013	06	10.29657	15	02	36.62	-01	01	07.7	21.8	RoEL062695
K13J28R	C2013	06	12.27620	17	28	14.93	+22	01	03.5	17.2	RqEL062H45
K13J28R	C2013	06	12.27694	17	28	15.11	+22	01	15.3	17.3	RqEL062H45
K13J28R	C2013	06	12.27745	17	28	15.23	+22	01	23.2	17.6	RqEL062H45
K13J28R	C2013	06	12.27808	17	28	15.37	+22	01	33.1	17.4	RqEL062H45
K13J28R	C2013	06	12.27848	17	28	15.47	+22	01	39.2	17.5	RqEL062H45
K13J28R	C2013	06	12.28011	17	28	15.85	+22	02	04.5	17.5	RqEL062H45
K13J28R	C2013	06	12.28139	17	28	16.16	+22	02	24.5	17.5	RqEL062H45
K13J28R	C2013	06	12.28202	17	28	16.32	+22	02	34.3	17.1	RqEL062H45
K13J28R	C2013	06	12.28269	17	28	16.45	+22	02	44.3	17.4	RqEL062H45
K13J28R	C2013	06	12.28347	17	28	16.66	+22	02	56.7	17.3	RqEL062H45
K13J28R	C2013	06	12.88637	17	31	32.45	+24	51	18.2	17.3	VqEL062G34
K13J28R	C2013	06	12.89010	17	31	33.58	+24	52	26.8	17.5	VqEL062G34
K13J28R	C2013	06	12.89385	17	31	34.71	+24	53	36.2	17.5	VqEL062G34
K13J28R	KC2013	06	12.90303	17	31	38.50	+24	56	25.3	17.1	VqEL062A13
K13J28R	KC2013	06	12.90566	17	31	39.32	+24	57	13.5	17.2	VqEL062A13
K13J28R	KC2013	06	12.92457	17	31	45.25	+25	03	00.9	17.2	VqEL062A13
K13J28R	KC2013	06	12.92773	17	31	46.22	+25	03	59.1	16.9	VqEL062A13
K13J28R	KC2013	06	12.92851	17	31	48.17	+25	04	23.4	17.4	VwEL062I76
K13J28R	KC2013	06	12.93054	17	31	48.79	+25	05	00.5	17.1	VwEL062I76
K13J28R	KC2013	06	12.93258	17	31	49.43	+25	05	38.5	17.2	VwEL062I76
K13J28R	KC2013	06	12.93462	17	31	50.08	+25	06	15.6	17.4	VwEL062I76
K13J28R	KC2013	06	12.93666	17	31	50.74	+25	06	54.1	17.2	VwEL062I76
K13J29G	KC2013	06	12.34079	16	07	29.13	-09	23	04.3	20.7	RoEL062291
K13J29G	KC2013	06	12.34947	16	07	28.39	-09	23	09.6	21.2	RoEL062291
K13J29G	KC2013	06	12.35816	16	07	27.64	-09	23	15.4	21.2	RoEL062291

K13K05Y	KC2013	06	12.24158	15	04	10.34	+06	52	19.6	21.7	RoEL062291
K13K05Y	KC2013	06	12.24881	15	04	09.99	+06	52	10.0	21.3	RoEL062291
K13K05Y	KC2013	06	12.25605	15	04	09.63	+06	52	02.2	21.3	RoEL062291
K13K06F	KC2013	06	12.22477	14	59	49.33	+09	15	59.7	20.5	RoEL062291
K13K06F	KC2013	06	12.23416	14	59	48.72	+09	15	53.9	20.4	RoEL062291
K13K06F	KC2013	06	12.26203	14	59	47.18	+09	15	33.6	20.4	RoEL062291
K13K06N	KC2013	06	11.94602	15	07	38.47	+05	23	38.4	18.7	VqEL062C95
K13K06N	KC2013	06	11.94767	15	07	38.36	+05	23	38.1	18.6	VqEL062C95
K13K06N	KC2013	06	11.95015	15	07	38.25	+05	23	37.0	18.7	VqEL062C95
K13K06N	KC2013	06	11.95181	15	07	38.13	+05	23	35.7	18.9	VqEL062C95
K13K06N	KC2013	06	12.18128	15	07	22.71	+05	21	02.8	19.6	RqEL062448
K13K06N	KC2013	06	12.19155	15	07	22.10	+05	20	55.7	18.3	RqEL062448
K13K06N	C2013	06	12.19760	15	07	21.68	+05	20	51.7	19.2	VuEL062703
K13K06N	KC2013	06	12.20065	15	07	21.26	+05	20	48.4	18.1	RqEL062448
K13K06N	C2013	06	12.20207	15	07	21.28	+05	20	48.5	18.6	VuEL062703
K13K06N	C2013	06	12.20661	15	07	20.96	+05	20	46.5	19.0	VuEL062703
K13K06N	C2013	06	12.21113	15	07	20.60	+05	20	42.3	19.0	VuEL062703
K13L01F	C2013	06	12.03359	16	06	45.03	-28	07	52.3	20.5	VuEL062807
K13L01F	C2013	06	12.03970	16	06	44.79	-28	08	03.6	20.5	VuEL062807
K13L01F	C2013	06	12.04276	16	06	44.66	-28	08	08.7	20.7	VuEL062807
K13L01F	C2013	06	12.04581	16	06	44.49	-28	08	14.6	20.6	VuEL062807
K13L06Q	KC2013	06	12.32331	16	34	16.04	-16	08	59.1		oEL062291
K13L06Q	KC2013	06	12.32724	16	34	16.71	-16	08	57.9	21.5	RoEL062291
K13L06Q	KC2013	06	12.33118	16	34	17.40	-16	08	57.0	21.5	RoEL062291
K13L07C	KC2013	06	12.38713	23	00	06.51	+23	34	52.1	17.6	RoEL062291
K13L07C	KC2013	06	12.38732	23	00	06.82	+23	34	53.0	17.7	RoEL062291
K13L07C	KC2013	06	12.38830	23	00	08.41	+23	34	57.3	18.1	RoEL062291
K13L07E	KC2013	06	12.29820	17	31	24.37	+16	50	09.7	21.3	RoEL062291
K13L07E	KC2013	06	12.30644	17	31	25.67	+16	50	05.3	21.9	RoEL062291
K13L07E	KC2013	06	12.31470	17	31	26.92	+16	49	59.0	21.4	RoEL062291
K13L07F	C2013	06	12.01390	15	00	15.29	+04	41	14.0	21.1	VuEL062807
K13L07F	C2013	06	12.01936	15	00	14.73	+04	41	17.2	21.2	VuEL062807
K13L07F	C2013	06	12.02480	15	00	14.19	+04	41	20.6	21.0	VuEL062807
K13L07K	C2013	06	12.07584	16	15	39.96	+05	52	50.6	19.4	VuEL062807
K13L07K	C2013	06	12.07834	16	15	39.49	+05	52	39.2	19.4	VuEL062807
K13L07K	C2013	06	12.08083	16	15	39.02	+05	52	27.9	19.6	VuEL062807
K13L07K	C2013	06	12.08333	16	15	38.56	+05	52	16.6	19.5	VuEL062807
K13L07K	C2013	06	12.08583	16	15	38.09	+05	52	05.3	19.6	VuEL062807
K13L16E	KC2013	06	12.87348	12	31	06.54	+32	46	11.0	20.3	VqEL062C77
K13L16E	KC2013	06	12.88025	12	31	06.03	+32	45	41.7	19.7	VqEL062C77
K13L16E	KC2013	06	12.88719	12	31	05.47	+32	45	10.7	19.6	VqEL062C77
K13L16E	KC2013	06	12.89396	12	31	04.95	+32	44	40.9	19.7	VqEL062C77
K13L16E	KC2013	06	13.18003	12	30	45.26	+32	23	46.0	18.6	RoEL062291
K13L16E	KC2013	06	13.18102	12	30	45.19	+32	23	41.6	19.0	RoEL062291
K13L16E	KC2013	06	13.18202	12	30	45.10	+32	23	37.3	19.1	RoEL062291
K13L16G	KC2013	06	13.20172	16	47	54.69	-14	04	32.1	21.9	RoEL062291
K13L16G	KC2013	06	13.21041	16	47	53.87	-14	04	28.7	21.9	RoEL062291
K13L16G	KC2013	06	13.21910	16	47	53.11	-14	04	25.6		oEL062291
K13L16H	C2013	06	12.05830	16	22	46.58	+00	15	39.3	20.0	VuEL062807
K13L16H	C2013	06	12.06080	16	22	46.24	+00	15	41.4	20.2	VuEL062807
K13L16H	C2013	06	12.06329	16	22	45.88	+00	15	43.7	20.0	VuEL062807
K13L16H	C2013	06	12.06579	16	22	45.52	+00	15	45.8	20.2	VuEL062807

K13L16H		C2013	06	12.06831	16	22	45.16	+00	15	47.8	20.0	VuEL062807
K13L16H		C2013	06	12.25073	16	22	19.06	+00	18	06.2	19.7	RqEL062H45
K13L16H		C2013	06	12.25236	16	22	18.83	+00	18	07.7	19.6	RqEL062H45
K13L16H		C2013	06	12.25377	16	22	18.59	+00	18	08.5	19.6	RqEL062H45
K13L16H		C2013	06	12.25498	16	22	18.42	+00	18	10.2	19.7	RqEL062H45
K13L16H		C2013	06	12.25752	16	22	18.03	+00	18	12.3	19.7	RqEL062H45
K13L16H		C2013	06	12.25921	16	22	17.81	+00	18	13.2	19.8	RqEL062H45
K13L16H		C2013	06	12.26078	16	22	17.57	+00	18	14.7	19.8	RqEL062H45
K13L16H		C2013	06	12.26230	16	22	17.36	+00	18	15.8	19.8	RqEL062H45
K13L16H		C2013	06	12.26351	16	22	17.20	+00	18	16.7	19.7	RqEL062H45
K13L16H		C2013	06	12.26497	16	22	17.01	+00	18	18.7	19.8	RqEL062H45
K13L16H		C2013	06	12.27913	16	22	15.12	+00	18	31.2		oEL062691
K13L16H		C2013	06	12.29677	16	22	12.56	+00	18	46.0		oEL062691
K13L16H		C2013	06	12.31441	16	22	09.96	+00	19	00.4		oEL062691
K13L16H		KC2013	06	12.88294	16	20	50.11	+00	26	52.7	21.2	RuEL062B88
K13L16H		KC2013	06	12.89682	16	20	48.10	+00	27	04.0	19.5	RuEL062B88
K13L16H		KC2013	06	12.93554	16	20	42.46	+00	27	36.6	19.3	RuEL062B88
01866		C2013	06	11.20411	12	43	45.58	+33	33	09.7	17.5	rNEL062I41
01866		C2013	06	11.26829	12	43	44.80	+33	32	06.9	17.4	rNEL062I41
01866		C2013	06	11.92986	12	43	38.08	+33	21	20.6	17.7	ViEL062C91
01866		C2013	06	11.93333	12	43	38.03	+33	21	17.5	17.7	ViEL062C91
01866		C2013	06	11.93819	12	43	37.99	+33	21	12.8	17.7	ViEL062C91
01866		C2013	06	12.18570	12	43	35.67	+33	17	12.3	17.4	rNEL062I41
01866		C2013	06	12.25202	12	43	34.98	+33	16	07.2	17.5	rNEL062I41
03752		C2013	06	11.96389	13	08	18.30	+67	48	53.9	18.5	ViEL062C91
03752		C2013	06	11.96806	13	08	18.93	+67	48	49.0	18.5	ViEL062C91
03752		C2013	06	11.97222	13	08	19.31	+67	48	43.3	18.5	ViEL062C91
04581		C2013	06	12.39675	20	52	57.54	-02	42	18.7	21.2	VuEL062G96
04581		C2013	06	12.40115	20	52	57.64	-02	42	14.7	21.3	VuEL062G96
04581		C2013	06	12.40561	20	52	57.61	-02	42	10.7	21.3	VuEL062G96
04581		C2013	06	12.41008	20	52	57.68	-02	42	07.4	20.8	VuEL062G96
11405		C2013	06	11.85486	10	00	51.10	+48	02	20.9	16.8	ViEL062C91
11405		C2013	06	11.85694	10	00	51.65	+48	02	20.9	16.8	ViEL062C91
11405		C2013	06	11.86042	10	00	52.53	+48	02	22.1	16.8	ViEL062C91
11405		C2013	06	11.86319	10	00	53.28	+48	02	22.9	16.8	ViEL062C91
11405		C2013	06	11.86667	10	00	54.18	+48	02	23.1	16.8	ViEL062C91
11405		C2013	06	11.86944	10	00	54.93	+48	02	24.1	16.8	ViEL062C91
53789		C2013	06	12.29921	15	02	16.80	+43	26	41.9	20.1	VuEL062703
53789		C2013	06	12.30484	15	02	16.51	+43	26	39.6	21.3	VuEL062703
53789		C2013	06	12.31052	15	02	16.04	+43	26	40.5	20.5	VuEL062703
53789		C2013	06	12.31622	15	02	15.86	+43	26	41.0	19.8	VuEL062703
85989		C2013	06	11.91458	12	19	26.91	+32	53	07.9	18.7	ViEL062C91
85989		C2013	06	11.91736	12	19	27.42	+32	53	00.4	18.7	ViEL062C91
85989		C2013	06	11.92014	12	19	28.12	+32	52	51.1	18.7	ViEL062C91
85989		KC2013	06	12.91323	12	22	38.02	+32	05	04.1	18.3	VqEL062C77
85989		KC2013	06	12.91654	12	22	38.65	+32	04	54.6	18.9	VqEL062C77
85989		KC2013	06	12.91978	12	22	39.25	+32	04	45.5	18.6	VqEL062C77
85989		KC2013	06	12.92320	12	22	39.89	+32	04	35.3	18.5	VqEL062C77
85989		KC2013	06	12.92663	12	22	40.52	+32	04	25.4	19.0	VqEL062C77
D7170		C2013	06	11.88194	10	40	38.75	+34	28	36.3	16.8	ViEL062C91
D7170		C2013	06	11.88403	10	40	39.18	+34	28	34.3	16.8	ViEL062C91
D7170		C2013	06	11.88750	10	40	39.92	+34	28	30.9	16.8	ViEL062C91

D7170	C2013	06	11.89028	10	40	40.56	+34	28	28.4	16.8	ViEL062C91
D7170	C2013	06	11.89375	10	40	41.24	+34	28	24.9	16.8	ViEL062C91
G3249	.C2013	06	03.93412	17	44	29.88	+18	25	00.3	15.8	RuEL062950
G3249	.C2013	06	03.94315	17	44	30.33	+18	25	50.2	15.8	RuEL062950
G3249	.C2013	06	03.95220	17	44	30.76	+18	26	40.5	15.6	RuEL062950
G3249	.C2013	06	03.95668	17	44	30.98	+18	27	05.0	15.7	RuEL062950
G3249	.C2013	06	03.96128	17	44	31.20	+18	27	30.8	15.6	RuEL062950
G3249	.C2013	06	03.96573	17	44	31.41	+18	27	55.4	15.6	RuEL062950
G3249	.C2013	06	03.97031	17	44	31.63	+18	28	20.8	15.7	RuEL062950
G3249	.C2013	06	03.97505	17	44	31.85	+18	28	46.9	15.7	RuEL062950
G3249	.C2013	06	03.97962	17	44	32.06	+18	29	12.2	15.7	RuEL062950
G3249	.C2013	06	03.98407	17	44	32.26	+18	29	36.7	15.7	RuEL062950
G3249	.C2013	06	03.98869	17	44	32.48	+18	30	02.5	15.8	RuEL062950
G3249	.C2013	06	03.99316	17	44	32.67	+18	30	27.0	15.8	RuEL062950
G3249	.C2013	06	03.99781	17	44	32.88	+18	30	52.7	15.9	RuEL062950
G3249	.C2013	06	04.00227	17	44	33.08	+18	31	17.3	15.9	RuEL062950
G3249	.C2013	06	04.00671	17	44	33.28	+18	31	42.0	15.8	RuEL062950
G3249	.C2013	06	04.01116	17	44	33.47	+18	32	06.6	15.9	RuEL062950
G3249	.C2013	06	04.01578	17	44	33.69	+18	32	32.1	15.8	RuEL062950
G3249	.C2013	06	04.02024	17	44	33.87	+18	32	56.7	15.8	RuEL062950
G3249	.C2013	06	04.02487	17	44	34.07	+18	33	22.1	15.7	RuEL062950
G3249	.C2013	06	04.02934	17	44	34.25	+18	33	46.7	15.7	RuEL062950
G3249	.C2013	06	04.03398	17	44	34.47	+18	34	12.6	15.5	RuEL062950
G3249	.C2013	06	04.03846	17	44	34.65	+18	34	37.2	15.6	RuEL062950
G3249	.C2013	06	04.04294	17	44	34.85	+18	35	02.1	15.4	RuEL062950
G3249	.C2013	06	04.04741	17	44	35.03	+18	35	26.5	15.6	RuEL062950
G3249	.C2013	06	04.05313	17	44	35.27	+18	35	57.9	15.8	RuEL062950
G3249	C2013	06	12.29316	17	55	02.08	+32	56	40.2	16.1	RqEL062H45
G3249	C2013	06	12.29448	17	55	02.15	+32	56	49.5	16.2	RqEL062H45
G3249	C2013	06	12.29572	17	55	02.24	+32	56	58.4	16.3	RqEL062H45
G3249	C2013	06	12.29662	17	55	02.31	+32	57	04.7	16.1	RqEL062H45
G3249	C2013	06	12.29770	17	55	02.38	+32	57	12.2	16.3	RqEL062H45
G3249	C2013	06	12.29840	17	55	02.43	+32	57	17.1	16.3	RqEL062H45
G3249	KC2013	06	12.93823	17	56	07.65	+34	12	45.8	16.4	VqEL062A13
G3249	KC2013	06	12.94035	17	56	07.82	+34	13	01.1	16.4	VqEL062A13
G3249	KC2013	06	12.94194	17	56	07.95	+34	13	12.6	16.4	VqEL062A13
S1375	KC2013	06	12.38560	20	09	25.92	+04	48	07.8	20.1	RqEL062448
S1375	KC2013	06	12.40966	20	09	24.25	+04	48	13.4	20.6	RqEL062448
S5263	C2013	06	10.93176	17	53	32.02	+12	54	50.6	13.1	RqEL062C23
S5263	C2013	06	10.93290	17	53	32.56	+12	54	56.4	13.1	RqEL062C23
S5263	C2013	06	10.93376	17	53	32.96	+12	55	00.7	13.1	RqEL062C23
S5263	C2013	06	10.93462	17	53	33.38	+12	55	05.0	13.1	RqEL062C23
S5263	C2013	06	10.93576	17	53	33.92	+12	55	10.8	13.1	RqEL062C23
S5263	C2013	06	12.29999	18	03	59.28	+14	37	03.1	13.2	RqEL062H45
S5263	C2013	06	12.30083	18	03	59.60	+14	37	06.4	13.2	RqEL062H45
S5263	C2013	06	12.30143	18	03	59.84	+14	37	08.8	13.3	RqEL062H45
S5263	C2013	06	12.30230	18	04	00.17	+14	37	12.3	13.2	RqEL062H45
S5263	C2013	06	12.30297	18	04	00.42	+14	37	14.9	13.3	RqEL062H45
S5263	C2013	06	12.30378	18	04	00.73	+14	37	18.0	13.2	RqEL062H45
S5263	C2013	06	12.30462	18	04	01.05	+14	37	21.4	13.4	RqEL062H45
S5263	C2013	06	12.30576	18	04	01.49	+14	37	25.9	13.2	RqEL062H45
Y5646	KC2013	06	13.16447	11	33	24.61	-15	01	21.8	20.7	RoEL062291

Y5646 KC2013 06 13.16788 11 33 25.20 -15 01 28.3
Y5646 KC2013 06 13.17130 11 33 25.81 -15 01 35.6

20.4 RoEL062291
20.6 RoEL062291

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