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Minor Planet Center



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M.P.E.C. 2013-G66

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DAILY ORBIT UPDATE (2013 APR. 13 UT)

Update to [MPEC 2013-G54](#)

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

New identification:

K02J60T	K05X46G	K100B1F	K13G56J	MPCW
K02T08N	K13G66E			MPCW
K04TG1G	K13G63E			MPCW
K05C00B	K13G64B			MPCW
K05E01T	K11WF4S	K13G62X		MPCW
K05JD3D	K13G67Y			MPCW
K05SE2C	K13G57Z			MPCW
K05TI1F	K11Y18Z	K13G57R		MPCW
K05Ug6X	K13G59P			MPCW
K06E44S	K13G62R			MPCW
K06F06B	K13G66Y			MPCW
K06G14B	K13G57B			MPCW
K06RB3L	K13G59O			MPCW
K06SA7Y	K13G56Z			MPCW
K06T01L	K13G58Y			MPCW
K06UX0Q	K13G68L			MPCW
K06WG9N	K13G60P			MPCW
K07A31G	K13G57K			MPCW
K07E72K	K04T04F	K13G64C		MPCW
K07EG5X	K13G62K			MPCW
K08CJ8L	K13G57F			MPCW
K08E14T	K13G61C			MPCW
K08W77T	K13G55Q			MPCW
K09B81O	K13G64S			MPCW
K09C64G	K13G66X			MPCW
K09R67Y	K13G60A			MPCW
K09U40G	K13G63H			MPCW
K10RB8F	K08CL6H	K13G65Z		MPCW
K10T21Y	K13G59A			MPCW
K11U93L	K13G66B			MPCW

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New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J95V10A	17.2	0.15	K134I	210.520	337.102	36.409	5.132	0.09256	2.45419	7	X
J97S30Q	16.6	0.15	K134I	248.924	313.542	25.292	15.037	0.11313	2.65926	5	X
J98T24Q	18.3	0.15	K134I	307.893	249.072	29.656	0.373	0.14281	2.14359	5	X
J98W07J	18.3	0.15	K134I	40.531	90.169	51.888	8.203	0.31365	1.95454	4	X
J99RK0A	16.4	0.15	K134I	214.845	140.811	230.068	11.403	0.17309	2.41202	4	X
J99T63U	15.2	0.15	K134I	85.777	252.690	218.874	19.559	0.11300	3.17620	6	X
J99T68X	17.4	0.15	K134I	323.597	33.715	231.117	4.242	0.19878	2.40374	5	X
J99VC9A	15.9	0.15	K134I	327.842	18.453	227.243	8.807	0.00820	3.10139	5	X
J99VD5B	16.2	0.15	K134I	48.183	284.610	228.136	8.834	0.17153	3.17111	6	X
K00AL9J	17.3	0.15	K134I	24.407	63.807	98.380	4.126	0.14500	2.59864	4	X
K00C73T	17.2	0.15	K134I	2.084	71.465	137.149	12.231	0.19202	2.59713	4	X
K00GC7Q	16.5	0.15	K134I	297.529	300.795	16.701	46.423	0.39535	2.18447	4	X
K00HA2H	17.4	0.15	K134I	87.218	257.976	219.597	3.815	0.12005	2.65560	6	X
K00J06F	16.5	0.15	K134I	349.817	6.780	216.819	14.393	0.19859	2.65198	5	X
K00J78Y	16.0	0.15	K134I	39.716	67.200	85.302	13.485	0.21393	2.66027	4	X
K00J80D	16.1	0.15	K134I	29.971	126.704	46.244	12.956	0.09813	2.67489	6	X
K00K10X	16.0	0.15	K134I	359.207	336.370	236.991	12.488	0.10681	2.67410	5	X
K00S26C	17.6	0.15	K134I	260.328	119.044	225.318	8.840	0.26294	2.25512	5	X
K00S96K	16.9	0.15	K134I	156.329	176.415	233.518	8.721	0.22416	2.33085	4	X
K00ST7Z	17.1	0.15	K134I	230.470	130.224	229.379	5.808	0.20699	2.28946	6	X
K01O17H	16.6	0.15	K134I	240.715	58.138	292.828	7.707	0.19765	2.62879	5	X
K01P28O	17.0	0.15	K134I	274.853	45.395	277.747	4.036	0.20701	2.61902	4	X
K01P54S	17.4	0.15	K134I	243.133	84.060	266.614	2.264	0.21196	2.63525	5	X
K01QS8K	16.2	0.15	K134I	294.775	100.602	196.084	24.305	0.26799	2.62727	3	X
K01S39F	16.9	0.15	K134I	288.136	268.491	35.078	5.235	0.19220	2.15186	5	X
K01SA4K	17.2	0.15	K134I	310.800	323.966	323.632	4.303	0.20706	2.62455	3	X
K01T13F	17.4	0.15	K134I	195.454	317.930	31.761	21.705	0.08656	1.87966	5	X
K01T49G	16.6	0.15	K134I	262.893	342.907	358.344	7.912	0.28134	2.65668	4	X
K01TF8O	16.7	0.15	K134I	215.799	346.083	24.579	13.423	0.15037	2.69010	4	X
K01TI9E	15.7	0.15	K134I	291.935	72.014	234.126	14.711	0.29796	2.66579	5	X
K01U01R	15.3	0.15	K134I	287.444	267.396	59.958	27.408	0.41194	2.63785	6	X
K01U11M	16.7	0.15	K134I	322.813	75.657	216.153	27.857	0.38366	2.60912	3	X
K01UF5U	16.4	0.15	K134I	251.663	117.827	225.112	11.575	0.15855	2.71658	6	X
K01X05H	17.0	0.15	K134I	215.857	139.563	230.139	6.736	0.17076	2.20166	3	X
K01X27X	15.6	0.15	K134I	17.539	191.532	326.358	16.934	0.35174	3.10024	2	X
K02C87K	17.1	0.15	K134I	354.728	80.843	121.916	5.300	0.10314	2.33695	6	X
K02CI2D	17.2	0.15	K134I	155.812	85.183	328.530	6.815	0.10154	2.28543	5	X
K02CV1Y	17.2	0.15	K134I	64.791	2.799	118.266	6.556	0.13340	2.34822	4	X
K02E79J	17.2	0.15	K134I	32.217	313.411	198.803	9.430	0.15768	2.36767	3	X
K02EA6S	15.5	0.15	K134I	319.220	75.042	157.062	26.694	0.18324	3.12444	4	X
K02G00S	19.9	0.15	K134I	307.082	264.103	34.787	19.764	0.40377	1.35255	4	X
K02G58W	17.7	0.15	K134I	355.811	306.172	276.870	0.596	0.14196	2.36509	6	X
K02G81V	15.7	0.15	K134I	51.518	104.661	38.556	14.868	0.22827	3.08000	5	X
K02G96B	17.4	0.15	K134I	348.179	265.093	322.749	3.870	0.18092	2.37452	4	X
K02GA6G	15.3	0.15	K134I	1.942	145.443	49.911	20.102	0.15430	3.11009	4	X
K02GC1U	16.2	0.15	K134I	349.987	10.893	205.153	10.837	0.22769	3.10628	3	X
K02GC8X	15.6	0.15	K134I	335.023	208.991	4.082	8.589	0.08666	3.14403	6	X
K02GH9S	17.5	0.15	K134I	335.654	164.114	71.892	12.426	0.14793	2.37451	5	X
K02H13Q	15.9	0.15	K134I	342.982	69.275	154.782	26.564	0.32117	3.15967	2	X
K02J06X	15.6	0.15	K134I	312.684	51.342	222.566	27.912	0.29068	3.15898	5	X
K02J60T	15.8	0.15	K134I	20.006	133.931	42.239	7.229	0.06416	3.17918	7	W
K02JE5U	15.6	0.15	K134I	23.175	30.909	158.294	19.086	0.15318	3.10582	4	X
K02M06R	16.0	0.15	K134I	342.409	134.948	109.475	9.415	0.33498	3.22701	6	X
K02N68D	15.6	0.15	K134I	117.994	280.452	154.491	14.466	0.16241	2.55535	8	X
K02N76J	17.3	0.15	K134I	294.103	48.024	246.409	5.040	0.11869	2.45989	3	X
K02PH2L	16.9	0.15	K134I	123.747	55.164	21.144	3.028	0.16000	2.55101	6	X
K02QC9X	17.0	0.15	K134I	318.411	50.576	246.881	1.742	0.35006	3.22805	4	X
K02RQ5T	17.6	0.15	K134I	223.652	341.081	23.879	2.883	0.15228	2.52118	7	X
K02TO5G	16.2	0.15	K134I	138.575	8.969	45.005	15.741	0.10730	2.64005	5	X
K02TO8N	16.4	0.15	K134I	138.708	223.325	187.862	17.012	0.20829	2.64565	4	W
K02TX5N	17.3	0.15	K134I	257.314	295.820	29.584	12.739	0.08321	2.53924	4	X
K02Ta9S	16.6	0.15	K134I	4.728	54.132	151.911	12.245	0.13584	2.61287	8	X
K02Tb5V	17.0	0.15	K134I	158.842	186.823	224.541	9.581	0.11411	2.58991	8	X
K02U12R	16.1	0.15	K134I	70.676	246.923	223.896	54.479	0.32505	2.76419	3	X
K02U65E	16.7	0.15	K134I	9.872	172.233	24.923	9.320	0.10249	2.57603	5	X
K02V03X	16.0	0.15	K134I	236.673	88.873	243.677	13.670	0.13558	2.60123	5	X
K02W10R	16.7	0.15	K134I	116.412	222.058	226.788	11.730	0.13816	2.68205	5	X
K02W18R	16.1	0.15	K134I	216.257	268.520	97.145	15.965	0.24690	2.57418	5	X
K02X06O	15.7	0.15	K134I	138.955	5.938	56.856	22.663	0.02463	2.65315	6	X
K03G37W	17.0	0.15	K134I	352.024	186.321	22.407	25.711	0.29144	2.90110	3	X
K03S42E	18.0	0.15	K134I	274.027	121.656	185.844	21.286	0.08849	1.90396	4	X
K03SA5Y	17.4	0.15	K134I	290.699	354.760	321.474	2.998	0.28171	2.31171	6	X
K03SC8M	17.0	0.15	K134I	281.330	300.698	20.222	11.137	0.22360	2.33683	5	X
K03SE5A	17.2	0.15	K134I	144.282	203.864	208.422	20.713	0.07800	1.95730	5	X

K03SH1E	15.1	0.15	K134I	266.913	262.426	69.802	18.999	0.26468	3.17738	5 X
K03SI0C	17.0	0.15	K134I	163.700	123.743	283.224	5.570	0.08565	2.41345	5 X
K03SK6P	17.2	0.15	K134I	189.485	30.847	355.243	6.602	0.14219	2.40448	5 X
K03SQ4Y	15.7	0.15	K134I	302.074	281.299	23.619	16.465	0.23659	3.14760	5 X
K03ST4F	17.4	0.15	K134I	210.099	335.832	33.670	22.883	0.08073	1.93881	5 X
K03ST5S	17.3	0.15	K134I	234.631	84.565	265.504	6.806	0.13988	2.37787	5 X
K03SZ7Z	18.5	0.15	K134I	295.244	327.776	336.008	1.360	0.19179	2.32584	4 X
K03T11C	16.2	0.15	K134I	188.237	264.361	109.035	7.566	0.15590	2.43915	5 X
K03T46A	15.7	0.15	K134I	90.464	253.063	228.975	9.076	0.04586	3.40023	5 X
K03U03H	17.6	0.15	K134I	26.976	320.792	222.664	21.489	0.03393	1.94247	4 X
K03W11H	17.2	0.15	K134I	230.911	58.991	300.729	4.830	0.20629	2.38478	4 X
K04A21O	17.4	0.15	K134I	98.358	179.770	291.721	1.632	0.01161	2.56202	6 X
K04B08O	17.2	0.15	K134I	346.477	84.582	134.800	9.172	0.12838	2.61036	5 X
K04B73K	16.2	0.15	K134I	19.463	219.866	311.029	12.250	0.18728	2.65394	2 X
K04C06F	17.3	0.15	K134I	50.370	55.374	86.706	5.053	0.19306	2.64371	5 X
K04C54S	16.9	0.15	K134I	34.727	209.783	308.023	2.747	0.14814	2.66692	5 X
K04CA4F	16.6	0.15	K134I	22.817	272.524	255.205	10.218	0.20375	2.67136	4 X
K04D06X	16.0	0.15	K134I	6.922	213.374	339.375	12.865	0.08959	2.66705	4 X
K04D32U	16.5	0.15	K134I	26.259	174.833	6.522	4.847	0.15108	2.65399	5 X
K04FB9K	17.6	0.15	K134I	69.711	121.884	10.989	4.051	0.08717	2.66066	4 X
K04H23U	17.1	0.15	K134I	314.299	42.911	228.207	4.377	0.07224	2.70443	7 X
K04H24S	16.9	0.15	K134I	101.784	96.009	11.836	14.580	0.07002	2.65959	5 X
K04Q18D	15.8	0.15	K134I	271.467	127.105	158.539	11.697	0.04288	3.02519	8 X
K04R41M	16.5	0.15	K134I	245.249	344.067	357.680	8.898	0.14317	2.98071	4 X
K04R70D	18.0	0.15	K134I	224.821	353.433	8.714	4.443	0.20308	2.19414	4 X
K04RB2P	17.5	0.15	K134I	152.818	196.245	217.410	22.524	0.24858	2.26779	3 X
K04RB7R	16.2	0.15	K134I	346.071	57.462	164.886	15.337	0.05365	3.02593	5 X
K04RI8G	15.7	0.15	K134I	240.701	119.715	232.816	8.100	0.15009	3.01109	4 X
K04RP3T	15.6	0.15	K134I	259.740	314.891	14.502	14.857	0.09290	2.97437	6 X
K04RP7K	16.4	0.15	K134I	253.119	328.400	10.517	6.850	0.14533	2.97206	6 X
K04S20V	17.3	0.15	K134I	305.737	290.037	6.933	6.778	0.25328	2.14388	5 X
K04T20M	18.1	0.15	K134I	81.595	84.077	3.366	2.702	0.14582	2.34767	5 X
K04T24C	17.9	0.15	K134I	288.983	313.898	353.737	4.312	0.21136	2.16388	3 X
K04T32P	17.6	0.15	K134I	239.541	70.160	276.283	2.530	0.16424	2.21039	7 X
K04T34D	17.5	0.15	K134I	69.715	253.949	236.976	2.314	0.10070	2.28636	4 X
K04T50X	17.7	0.15	K134I	187.466	117.433	268.987	2.115	0.16714	2.26000	7 X
K04T63K	15.7	0.15	K134I	253.711	321.576	18.599	9.646	0.15172	3.03588	4 X
K04T79H	17.1	0.15	K134I	228.725	326.116	5.688	6.674	0.23321	2.24009	5 X
K04T00E	15.9	0.15	K134I	242.729	94.783	228.826	8.577	0.06916	3.12141	6 X
K04TD2Q	15.6	0.15	K134I	247.886	83.459	259.157	9.950	0.13944	3.04950	6 X
K04TD2V	15.7	0.15	K134I	263.326	92.974	240.185	15.349	0.13508	3.03562	6 X
K04TD6E	15.2	0.15	K134I	158.988	182.001	227.450	17.082	0.12851	3.18884	5 X
K04TD9S	15.1	0.15	K134I	216.294	334.414	29.353	21.710	0.31554	3.11823	5 X
K04TG1G	16.1	0.15	K134I	254.628	291.281	32.261	11.667	0.18425	3.10534	4 W
K04TH9D	18.2	0.15	K134I	303.892	88.401	188.793	4.178	0.18198	2.18226	4 X
K04TJ7V	17.6	0.15	K134I	330.347	204.120	29.679	7.143	0.05120	2.26397	4 X
K04TX3G	15.3	0.15	K134I	272.034	267.740	43.462	11.300	0.05218	3.15839	4 X
K04Ta0L	17.0	0.15	K134I	180.596	157.468	237.171	6.008	0.11415	2.25264	5 X
K04V30B	15.2	0.15	K134I	284.014	237.641	62.901	10.564	0.07882	3.15181	7 X
K04V37D	17.2	0.15	K134I	346.269	352.119	229.555	10.825	0.06128	2.29046	4 X
K04V59Y	17.8	0.15	K134I	215.381	106.351	267.017	4.863	0.18473	2.23746	4 X
K04X49M	17.2	0.15	K134I	122.239	163.930	278.976	6.346	0.15750	2.33050	4 X
K04X73C	17.1	0.15	K134I	103.887	205.348	243.413	8.577	0.19980	2.34570	5 X
K04XA6G	17.6	0.15	K134I	180.513	10.264	22.123	3.170	0.16636	2.28959	7 X
K05A64Q	17.5	0.15	K134I	211.250	72.323	299.876	5.740	0.13706	2.32391	6 X
K05C00B	18.0	0.15	K134I	87.326	333.051	131.265	24.420	0.08979	1.87748	3 W
K05C14Z	17.6	0.15	K134I	327.609	276.116	341.318	4.213	0.17503	2.40837	8 X
K05E01T	16.9	0.15	K134I	314.323	140.414	92.957	6.687	0.15396	2.52226	5 W
K05G76B	17.5	0.15	K134I	303.121	237.364	15.994	3.429	0.10585	2.55835	5 X
K05GA7Q	18.2	0.15	K134I	11.839	162.172	21.110	21.753	0.08769	1.92938	2 X
K05J35V	17.2	0.15	K134I	317.205	139.292	111.008	6.722	0.07561	2.58358	5 X
K05J68R	16.9	0.15	K134I	347.329	138.648	90.397	14.111	0.14615	2.52699	6 X
K05JB8K	16.6	0.15	K134I	265.100	44.947	235.502	18.409	0.11809	2.64583	3 X
K05JD3D	17.9	0.15	K134I	319.611	70.768	191.700	5.785	0.18605	2.56045	4 W
K05JF0J	16.9	0.15	K134I	302.621	190.048	84.503	8.266	0.16636	2.56984	5 X
K05K07L	17.0	0.15	K134I	6.012	70.453	138.304	13.898	0.19925	2.54593	4 X
K05L12E	17.1	0.15	K134I	31.103	318.373	215.189	12.205	0.11966	2.56309	5 X
K05L13C	17.1	0.15	K134I	17.549	325.183	223.354	12.406	0.16763	2.54748	5 X
K05L31D	16.2	0.15	K134I	284.449	118.396	186.776	16.415	0.40085	2.69295	5 X
K05M54Y	16.9	0.15	K134I	306.203	21.380	272.569	6.243	0.18811	2.62638	5 X
K05O25W	16.5	0.15	K134I	312.877	110.099	164.569	13.242	0.25938	2.65258	5 X
K05Q03Z	16.6	0.15	K134I	286.791	324.962	348.157	9.267	0.20538	2.67858	3 X
K05Q17C	16.4	0.15	K134I	301.742	146.878	155.734	13.303	0.27301	2.65552	6 X
K05Q20P	16.8	0.15	K134I	308.232	288.005	7.174	5.134	0.27545	2.64361	6 X
K05Q89E	16.2	0.15	K134I	237.551	108.393	245.661	11.848	0.18591	2.68111	5 X
K05R26B	16.2	0.15	K134I	275.154	349.375	322.211	9.099	0.20537	2.74313	5 X
K05R45A	16.4	0.15	K134I	257.493	97.508	243.479	13.326	0.24528	2.74820	3 X

K05R45D	16.7	0.15	K134I	293.665	20.739	282.142	3.249	0.30668	2.67202	4	X
K05S46K	16.4	0.15	K134I	202.565	7.220	7.772	9.854	0.09844	2.86523	6	X
K05S92X	16.5	0.15	K134I	232.646	345.892	13.508	9.748	0.16903	2.80578	6	X
K05SA2Y	15.7	0.15	K134I	161.120	46.773	358.047	11.637	0.01425	2.91383	4	X
K05SA7B	16.0	0.15	K134I	220.052	127.704	239.307	12.306	0.21012	2.78905	5	X
K05SE2C	16.1	0.15	K134I	134.778	6.586	44.578	4.476	0.14388	3.00260	6	W
K05SL9U	16.1	0.15	K134I	81.080	74.041	0.501	15.391	0.23254	3.15802	4	X
K05SM1L	16.9	0.15	K134I	228.160	345.969	6.232	1.809	0.08067	2.86660	7	X
K05SN5X	16.3	0.15	K134I	256.921	99.419	229.034	5.152	0.11306	2.83349	5	X
K05SO1S	16.2	0.15	K134I	43.016	126.427	359.128	9.966	0.16571	3.14792	5	X
K05SR8O	16.1	0.15	K134I	209.938	125.558	246.116	13.888	0.15806	2.87085	4	X
K05SS5M	15.9	0.15	K134I	118.858	267.211	180.830	22.268	0.07662	2.99136	5	X
K05SS8V	16.3	0.15	K134I	293.232	124.239	150.199	13.471	0.07382	2.92226	6	X
K05T80Z	16.8	0.15	K134I	265.386	110.496	221.026	7.499	0.22485	2.74330	3	X
K05TA4H	15.6	0.15	K134I	113.051	63.416	352.964	9.069	0.11655	3.11775	5	X
K05TF6M	16.7	0.15	K134I	277.703	68.347	243.742	3.814	0.14536	2.76744	5	X
K05TI1F	16.6	0.15	K134I	100.344	54.241	28.246	10.798	0.13777	3.06046	3	W
K05U12Y	16.8	0.15	K134I	165.366	185.142	219.485	10.573	0.09191	2.92696	7	X
K05U91P	15.8	0.15	K134I	357.415	202.551	18.771	10.949	0.03530	2.93709	4	X
K05UA4R	16.2	0.15	K134I	315.317	227.312	60.017	16.141	0.13345	2.83514	6	X
K05UC8D	15.9	0.15	K134I	54.541	277.519	226.949	17.058	0.17053	3.09646	5	X
K05UC9F	17.1	0.15	K134I	293.787	272.632	17.422	2.040	0.07447	2.89174	7	X
K05UH5M	15.7	0.15	K134I	70.799	238.678	242.039	11.727	0.10445	3.12251	5	X
K05UK9B	16.2	0.15	K134I	33.578	303.858	217.830	16.994	0.18526	3.04568	4	X
K05UM3U	16.5	0.15	K134I	291.334	61.112	239.329	8.412	0.16273	2.80676	5	X
K05UQ1H	16.3	0.15	K134I	146.562	186.556	228.450	10.885	0.23055	3.05856	5	X
K05Uc6J	15.9	0.15	K134I	76.815	70.844	34.973	12.623	0.13807	3.10517	4	X
K05Ug6X	16.8	0.15	K134I	277.313	248.417	35.128	1.803	0.01739	3.00780	5	W
K05Uj0H	15.7	0.15	K134I	7.199	309.431	258.322	9.241	0.04141	3.01721	4	X
K05Uo9Z	16.5	0.15	K134I	285.076	329.458	9.991	7.976	0.37492	2.68892	5	X
K05V24A	17.1	0.15	K134I	149.253	10.962	37.547	5.847	0.14333	3.03351	3	X
K05V45B	16.8	0.15	K134I	148.091	201.210	224.938	5.281	0.07581	2.89436	7	X
K05W10Z	16.4	0.15	K134I	101.462	226.366	236.757	7.953	0.09652	3.05442	4	X
K05W48R	15.5	0.15	K134I	295.886	8.764	262.194	8.838	0.05703	3.07844	5	X
K05W68Q	16.6	0.15	K134I	157.913	175.598	239.519	5.226	0.03424	3.01258	7	X
K05WB5S	16.6	0.15	K134I	281.392	244.064	49.461	15.602	0.14030	2.86362	5	X
K05X23O	15.9	0.15	K134I	191.750	127.808	257.030	8.882	0.11558	2.99608	3	X
K05Y50Q	18.7	0.15	K134I	20.882	345.187	205.558	1.198	0.08494	2.17967	8	X
K05Y77W	18.0	0.15	K134I	105.793	163.117	298.650	4.478	0.05457	2.16451	5	X
K05YF0L	17.4	0.15	K134I	194.345	33.909	348.620	2.948	0.13846	2.13411	5	X
K05YG7H	15.7	0.15	K134I	101.692	328.249	127.055	13.154	0.14929	3.24220	4	X
K05YJ1Y	17.8	0.15	K134I	207.182	48.586	322.977	4.672	0.12779	2.14879	4	X
K06A73X	17.6	0.15	K134I	298.125	281.524	352.596	4.613	0.04211	2.17322	5	X
K06B45X	16.9	0.15	K134I	18.547	220.789	320.117	7.366	0.07694	2.25277	4	X
K06BB8E	18.2	0.15	K134I	36.442	314.144	187.324	1.643	0.12634	2.28109	4	X
K06BI9F	17.6	0.15	K134I	308.738	182.226	98.836	4.326	0.16474	2.22985	5	X
K06BJ6P	17.4	0.15	K134I	4.543	252.020	305.865	4.836	0.15424	2.25993	5	X
K06C04M	18.0	0.15	K134I	70.178	275.885	214.781	3.826	0.10135	2.21212	5	X
K06D59P	17.3	0.15	K134I	262.085	330.607	341.490	3.753	0.09203	2.26940	6	X
K06D65J	17.4	0.15	K134I	9.083	154.848	48.084	7.027	0.12399	2.24133	3	X
K06D68W	17.0	0.15	K134I	9.808	159.994	7.296	24.091	0.12955	2.30883	2	X
K06D79V	17.9	0.15	K134I	336.223	243.454	324.200	1.786	0.17511	2.32023	3	X
K06DB8N	17.8	0.15	K134I	343.208	195.395	359.211	2.476	0.13192	2.33253	5	X
K06DI9J	18.3	0.15	K134I	316.306	242.147	3.424	7.102	0.14977	2.30517	4	X
K06E16Q	17.6	0.15	K134I	349.721	191.250	7.700	7.631	0.04786	2.31196	4	X
K06E17O	18.0	0.15	K134I	339.738	206.515	356.229	3.210	0.16458	2.33269	3	X
K06E31S	17.7	0.15	K134I	1.052	168.206	18.440	5.929	0.09880	2.30297	4	X
K06E44S	18.6	0.15	K134I	337.213	43.103	191.369	5.057	0.16921	2.29712	4	W
K06F06B	19.0	0.15	K134I	353.753	8.122	193.385	5.871	0.22482	2.31049	2	W
K06G04C	17.9	0.15	K134I	351.108	52.324	186.423	4.614	0.10392	2.22932	7	X
K06G14B	18.4	0.15	K134I	13.459	123.266	58.004	4.202	0.15853	2.31480	4	W
K06G44X	17.6	0.15	K134I	271.438	106.304	185.365	6.152	0.15354	2.31883	5	X
K06H40M	17.4	0.15	K134I	315.443	242.522	25.607	7.357	0.10499	2.29901	6	X
K06HC7O	17.7	0.15	K134I	251.508	113.765	223.207	3.848	0.15271	2.33710	6	X
K06HF2D	18.0	0.15	K134I	326.748	141.534	100.952	3.014	0.17863	2.32833	5	X
K06J52U	17.6	0.15	K134I	251.788	290.880	53.975	3.991	0.20025	2.31191	4	X
K06K23K	18.1	0.15	K134I	350.806	175.825	56.172	1.000	0.25280	2.31385	6	X
K06K92N	17.4	0.15	K134I	300.359	71.683	211.252	6.101	0.11211	2.33565	6	X
K06O14Y	17.8	0.15	K134I	287.361	319.457	356.608	4.722	0.24116	2.39262	4	X
K06P02J	17.8	0.15	K134I	277.947	9.152	310.419	1.969	0.20560	2.41093	4	X
K06P10U	17.9	0.15	K134I	302.008	89.777	210.075	2.285	0.23243	2.40097	5	X
K06Q02F	17.5	0.15	K134I	293.439	346.417	331.521	6.378	0.31801	2.39457	4	X
K06Q41E	16.9	0.15	K134I	247.019	265.103	52.002	3.971	0.11031	2.52299	7	X
K06Q53L	17.5	0.15	K134I	311.954	320.786	337.034	5.343	0.31869	2.38611	3	X
K06QG0B	17.1	0.15	K134I	95.764	130.609	347.293	4.724	0.03148	2.55738	6	X
K06R32Q	16.3	0.15	K134I	192.298	352.108	2.425	11.353	0.09783	2.67773	5	X
K06R70Q	17.5	0.15	K134I	84.110	269.303	185.654	1.200	0.04613	2.70835	5	X

K06RB3L	17.4	0.15	K134I	318.220	218.893	23.788	3.165	0.04392	2.63325	4	W
K06S31Q	17.3	0.15	K134I	297.029	322.325	352.740	5.840	0.29034	2.41775	6	X
K06S71M	17.0	0.15	K134I	195.935	161.445	183.106	4.288	0.12887	2.71423	4	X
K06S84F	16.8	0.15	K134I	340.455	224.200	19.098	13.385	0.12129	2.53756	4	X
K06SA7Y	16.4	0.15	K134I	134.194	17.956	32.363	15.287	0.14013	2.70526	4	W
K06SC3Y	17.8	0.15	K134I	100.519	61.087	23.121	21.002	0.09958	1.91682	3	X
K06SH0O	17.1	0.15	K134I	340.863	23.459	212.314	1.496	0.11238	2.54593	6	X
K06SI5T	17.8	0.15	K134I	147.824	41.556	20.614	22.024	0.10023	1.89933	4	X
K06SK0T	17.4	0.15	K134I	137.047	75.039	5.646	3.204	0.02016	2.63016	6	X
K06SN3Q	17.6	0.15	K134I	99.661	195.564	272.721	3.412	0.05189	2.62250	4	X
K06SQ3Y	16.5	0.15	K134I	321.712	19.688	238.181	8.595	0.15312	2.57417	4	X
K06SR9J	16.8	0.15	K134I	301.630	274.714	13.854	15.048	0.12734	2.55078	4	X
K06SR9J	15.9	0.15	K134I	131.570	214.286	211.360	21.139	0.06678	2.69308	4	X
K06SY2G	17.3	0.15	K134I	318.502	12.899	256.714	4.138	0.17348	2.52987	5	X
K06T01L	16.6	0.15	K134I	208.235	334.871	19.658	14.266	0.09009	2.59339	5	W
K06T12X	16.0	0.15	K134I	298.842	38.916	244.647	12.687	0.14358	2.54357	6	X
K06T35X	16.3	0.15	K134I	84.078	88.476	29.426	7.629	0.10135	2.75598	6	X
K06T67X	16.3	0.15	K134I	181.070	155.533	236.677	14.109	0.24328	2.64025	5	X
K06T73G	16.7	0.15	K134I	185.509	23.878	14.443	11.557	0.16921	2.62925	5	X
K06T80M	16.1	0.15	K134I	231.254	114.905	225.652	21.249	0.07291	2.64684	4	X
K06TC9D	16.5	0.15	K134I	298.051	278.734	15.377	11.501	0.13843	2.55694	5	X
K06U85T	17.3	0.15	K134I	251.336	39.405	295.754	2.619	0.09627	2.60082	5	X
K06U86Q	16.9	0.15	K134I	151.366	18.743	37.234	5.463	0.10482	2.72853	5	X
K06U87A	16.8	0.15	K134I	47.755	293.803	231.747	8.496	0.06145	2.73162	5	X
K06UC7O	15.7	0.15	K134I	348.365	8.163	221.674	21.319	0.03818	2.64437	5	X
K06UD6N	16.5	0.15	K134I	138.036	177.990	238.375	8.939	0.19519	2.76521	6	X
K06UE0S	16.5	0.15	K134I	353.730	344.672	243.340	11.987	0.08199	2.67274	4	X
K06UF1L	17.2	0.15	K134I	253.897	304.667	25.900	9.708	0.04911	2.61533	5	X
K06UF4K	16.5	0.15	K134I	79.718	259.236	222.539	10.497	0.06936	2.65608	6	X
K06UP9X	16.8	0.15	K134I	86.290	96.359	22.390	5.788	0.10760	2.71501	4	X
K06UR1C	16.2	0.15	K134I	67.067	253.118	245.043	10.279	0.13197	2.77391	6	X
K06UW9W	17.4	0.15	K134I	207.239	132.347	232.826	5.589	0.01416	2.70275	7	X
K06UX0Q	16.7	0.15	K134I	339.359	86.687	143.598	10.121	0.16340	2.64300	8	W
K06UX4P	17.4	0.15	K134I	146.795	203.841	223.589	4.548	0.02977	2.67545	3	X
K06V28C	16.2	0.15	K134I	231.446	115.255	251.322	11.865	0.21971	2.58722	5	X
K06V28T	17.0	0.15	K134I	263.218	324.212	6.590	3.036	0.17726	2.60121	6	X
K06V51S	16.2	0.15	K134I	300.739	19.018	254.657	9.621	0.07883	2.75022	5	X
K06VA3Y	16.7	0.15	K134I	266.122	74.467	227.183	11.008	0.07775	2.61777	5	X
K06VB9F	16.2	0.15	K134I	248.937	87.215	239.802	13.029	0.11934	2.63025	5	X
K06W16N	16.6	0.15	K134I	202.368	116.515	263.064	8.595	0.11797	2.66982	6	X
K06W17W	17.2	0.15	K134I	114.429	199.845	254.855	5.174	0.04198	2.70856	4	X
K06W48P	16.8	0.15	K134I	112.117	195.650	265.718	5.097	0.03884	2.76550	4	X
K06W67R	16.2	0.15	K134I	239.003	101.722	251.691	11.643	0.21591	2.62645	3	X
K06W74U	17.0	0.15	K134I	171.911	151.587	249.524	4.279	0.11834	2.71191	4	X
K06WG9N	17.0	0.15	K134I	255.669	188.852	119.722	0.456	0.05829	2.76222	5	W
K06WH5R	15.6	0.15	K134I	227.198	308.318	45.184	15.893	0.17600	2.65523	4	X
K06WH9B	17.4	0.15	K134I	110.930	46.690	46.279	3.734	0.03217	2.74874	5	X
K06X27Z	17.2	0.15	K134I	336.472	118.216	120.885	1.551	0.01359	2.75462	8	X
K06X28K	16.2	0.15	K134I	245.150	244.460	84.419	12.983	0.06926	2.74206	7	X
K06X56D	16.2	0.15	K134I	26.607	58.874	110.581	11.099	0.12659	3.04576	4	X
K07A31G	15.5	0.15	K134I	280.552	168.196	98.376	12.025	0.04374	3.07847	4	W
K07B24L	16.8	0.15	K134I	37.063	236.732	259.516	0.132	0.12901	3.11397	4	X
K07B33A	16.6	0.15	K134I	211.946	68.308	298.418	4.993	0.08234	2.85182	4	X
K07B79W	16.5	0.15	K134I	34.959	25.995	132.608	11.515	0.06425	3.06547	3	X
K07C05F	16.1	0.15	K134I	346.543	254.188	336.003	5.300	0.15710	3.08699	5	X
K07C26N	20.8	0.15	K134I	295.219	135.773	159.411	7.570	0.27029	1.29495	3	X
K07C47Q	15.3	0.15	K134I	20.058	20.555	162.969	18.439	0.15169	3.12936	6	X
K07C55A	15.2	0.15	K134I	6.221	260.179	281.105	13.173	0.23425	3.19960	3	X
K07D39C	16.5	0.15	K134I	330.395	238.900	13.939	7.125	0.31093	3.26967	3	X
K07D43M	15.5	0.15	K134I	357.591	238.483	324.172	13.055	0.10940	3.15889	6	X
K07D51O	15.8	0.15	K134I	321.714	250.798	353.658	9.108	0.05285	3.17316	3	X
K07D79O	15.7	0.15	K134I	80.665	268.340	170.117	23.556	0.38095	3.09694	4	X
K07D89D	15.8	0.15	K134I	317.329	113.047	151.415	16.590	0.21156	3.14279	4	X
K07D92R	15.9	0.15	K134I	322.085	271.349	347.353	9.677	0.22448	3.14356	6	X
K07DB6T	16.3	0.15	K134I	67.272	269.383	224.013	3.530	0.14613	3.06712	4	X
K07E60H	15.3	0.15	K134I	326.852	275.527	328.750	15.318	0.17314	3.09512	6	X
K07E67V	16.5	0.15	K134I	56.946	132.357	8.530	10.350	0.16144	3.14922	5	X
K07E72K	15.8	0.15	K134I	163.723	31.636	9.410	16.605	0.09612	3.17305	3	W
K07EA4O	15.9	0.15	K134I	22.160	178.111	359.163	15.793	0.02410	3.19125	4	X
K07EF1U	15.6	0.15	K134I	359.130	37.478	162.372	17.013	0.07239	3.20595	4	X
K07EG5X	16.6	0.15	K134I	76.882	43.141	65.765	2.720	0.11762	3.10700	4	W
K07EK2R	15.6	0.15	K134I	52.017	107.970	37.431	18.753	0.19680	3.13499	4	X
K07EL2A	15.3	0.15	K134I	28.363	180.872	2.904	11.925	0.04253	3.08616	4	X
K07EL6J	15.7	0.15	K134I	1.696	349.707	225.833	9.773	0.16094	3.12757	7	X
K07F12E	15.2	0.15	K134I	335.590	97.992	160.900	21.408	0.19686	3.19273	6	X
K07F24O	16.7	0.15	K134I	28.862	165.442	347.162	6.395	0.22373	3.19485	3	X
K07H16T	16.2	0.15	K134I	287.983	297.067	7.427	4.957	0.15071	3.10947	6	X

K07P37M	16.9	0.15	K134I	202.150	174.861	188.402	6.795	0.12877	2.28949	5	X
K07R03B	17.4	0.15	K134I	181.013	60.687	331.797	5.027	0.16039	2.29075	5	X
K07R38X	17.9	0.15	K134I	270.775	334.494	349.992	3.202	0.21402	2.21753	6	X
K07R54J	17.5	0.15	K134I	288.931	7.282	287.468	3.574	0.17854	2.23896	3	X
K07RE9R	17.2	0.15	K134I	291.512	263.000	32.650	8.855	0.16042	2.23943	4	X
K07RM8V	17.7	0.15	K134I	214.248	9.768	3.820	4.479	0.16963	2.25344	4	X
K07RP0L	17.8	0.15	K134I	211.558	132.872	239.511	5.407	0.12447	2.29157	5	X
K07RQ4Z	18.1	0.15	K134I	162.638	72.276	340.993	5.557	0.13537	2.31840	4	X
K07S22B	17.3	0.15	K134I	297.037	221.324	59.664	5.622	0.19384	2.26947	4	X
K07T01O	17.3	0.15	K134I	110.945	255.982	202.479	6.408	0.06109	2.38481	4	X
K07T10N	17.6	0.15	K134I	285.735	113.964	185.052	4.369	0.22388	2.24755	4	X
K07T18Y	18.2	0.15	K134I	312.618	301.470	6.231	8.049	0.40930	2.15405	4	X
K07T43U	17.1	0.15	K134I	192.414	57.343	331.832	6.100	0.13708	2.34561	4	X
K07T52N	17.8	0.15	K134I	251.451	302.477	22.105	6.909	0.13367	2.32593	3	X
K07T94J	17.2	0.15	K134I	279.337	84.321	227.217	5.536	0.14747	2.23775	4	X
K07TD3R	17.1	0.15	K134I	213.260	333.352	40.377	9.003	0.13114	2.33625	3	X
K07TE5H	17.9	0.15	K134I	280.684	296.663	22.074	2.294	0.24187	2.22418	4	X
K07TF0T	16.8	0.15	K134I	212.971	32.167	339.283	6.415	0.12095	2.29458	6	X
K07TF0Z	17.6	0.15	K134I	203.698	141.835	233.834	4.837	0.14687	2.31481	4	X
K07TF9Y	16.7	0.15	K134I	198.109	146.325	231.244	13.078	0.03990	2.37831	5	X
K07TG8D	17.9	0.15	K134I	264.223	337.288	355.729	3.568	0.18875	2.24763	3	X
K07TH6L	17.5	0.15	K134I	97.466	53.498	14.555	6.480	0.17062	2.56160	5	X
K07TK9S	17.6	0.15	K134I	285.383	56.962	251.594	2.819	0.19016	2.23650	4	X
K07TM9K	17.6	0.15	K134I	230.914	320.147	35.420	2.757	0.16954	2.31312	4	X
K07TP1R	17.3	0.15	K134I	339.479	244.864	358.334	5.393	0.07304	2.30455	6	X
K07TP9X	16.5	0.15	K134I	25.342	106.756	38.956	27.411	0.25972	2.63596	2	X
K07TT2A	17.2	0.15	K134I	317.546	241.717	7.599	7.013	0.08817	2.32711	2	X
K07TV6J	17.7	0.15	K134I	50.971	306.735	183.528	2.981	0.17332	2.57156	5	X
K07Ta4M	18.0	0.15	K134I	254.160	309.219	27.837	7.840	0.14868	2.28885	5	X
K07Te1M	17.7	0.15	K134I	255.261	345.466	346.659	2.473	0.15316	2.24804	6	X
K07Tg6P	18.0	0.15	K134I	290.732	78.005	239.359	9.196	0.25295	2.22345	3	X
K07Ti4B	17.7	0.15	K134I	193.972	359.840	21.339	6.920	0.11231	2.33458	4	X
K07UB4L	17.1	0.15	K134I	126.337	198.155	250.218	5.928	0.03735	2.41679	6	X
K07V07B	17.2	0.15	K134I	217.614	81.538	288.891	3.980	0.24096	2.32349	3	X
K07V07F	16.9	0.15	K134I	198.631	127.127	253.489	4.108	0.23388	2.37234	4	X
K07V07U	17.2	0.15	K134I	212.190	39.417	337.744	5.419	0.15636	2.34027	5	X
K07VC1E	17.7	0.15	K134I	305.696	263.351	10.601	6.181	0.04839	2.38785	4	X
K07VG2D	17.1	0.15	K134I	282.364	246.617	37.459	7.147	0.09599	2.44147	4	X
K07VP1U	16.6	0.15	K134I	61.123	13.236	95.909	10.559	0.29723	2.67786	4	X
K07VP8G	17.3	0.15	K134I	329.193	91.835	161.889	6.617	0.11814	2.37118	6	X
K07VQ5J	17.1	0.15	K134I	85.912	209.815	262.338	7.996	0.12640	2.54927	3	X
K07VQ8B	17.1	0.15	K134I	247.529	240.792	86.510	7.843	0.14454	2.32853	6	X
K07W09S	17.2	0.15	K134I	332.460	188.742	36.468	7.322	0.05843	2.41608	6	X
K07Y56E	16.5	0.15	K134I	91.031	157.771	296.139	4.183	0.27081	2.64300	4	X
K07Y56H	16.4	0.15	K134I	53.082	191.622	304.092	12.147	0.09245	2.72692	5	X
K07Y62C	17.1	0.15	K134I	58.311	54.318	89.512	5.321	0.11839	2.68133	4	X
K07Y65K	17.1	0.15	K134I	212.529	44.402	327.812	6.410	0.12765	2.46509	3	X
K08A56K	16.4	0.15	K134I	331.585	125.346	121.076	13.902	0.31055	2.69678	5	X
K08A67C	17.0	0.15	K134I	71.511	150.838	333.400	3.345	0.19762	2.69527	4	X
K08A78V	17.3	0.15	K134I	153.296	100.567	322.054	2.441	0.03740	2.59493	4	X
K08A90U	16.9	0.15	K134I	60.845	10.431	126.194	9.961	0.07231	2.65183	5	X
K08AA7U	17.2	0.15	K134I	94.196	336.770	117.588	7.986	0.10904	2.67416	4	X
K08AB1P	16.2	0.15	K134I	117.482	128.001	313.127	8.306	0.07800	2.66645	6	X
K08AD7U	17.5	0.15	K134I	113.064	175.502	271.937	1.635	0.13162	2.62340	4	X
K08B24M	17.6	0.15	K134I	55.621	123.704	12.687	1.959	0.21395	2.72359	3	X
K08B50J	17.1	0.15	K134I	131.096	63.950	12.146	3.917	0.15672	2.57795	6	X
K08B54A	16.9	0.15	K134I	1.391	25.529	173.615	3.035	0.03505	2.74860	4	X
K08C08O	16.6	0.15	K134I	56.263	338.261	137.224	11.476	0.25507	2.78985	3	X
K08C37Z	17.1	0.15	K134I	3.026	276.299	292.483	4.043	0.10866	2.74546	8	X
K08C38L	16.7	0.15	K134I	195.701	233.012	132.235	7.041	0.04319	2.70170	5	X
K08C52X	16.9	0.15	K134I	124.320	314.418	109.633	6.415	0.10569	2.73288	2	W
K08C54H	16.2	0.15	K134I	328.301	303.026	292.160	10.168	0.15221	2.74441	6	X
K08C73L	16.3	0.15	K134I	0.491	206.953	357.321	8.427	0.24005	2.76763	6	X
K08C77B	16.3	0.15	K134I	42.934	156.480	357.810	8.500	0.12438	2.72927	5	X
K08CA8G	16.0	0.15	K134I	3.921	277.810	281.900	6.734	0.09029	2.73599	6	X
K08CB9N	16.8	0.15	K134I	339.551	82.335	141.270	5.342	0.15070	2.76957	4	X
K08CD9Y	17.2	0.15	K134I	27.241	231.199	306.515	1.786	0.13380	2.77556	6	X
K08CE3Q	16.9	0.15	K134I	334.788	246.123	356.386	8.379	0.07033	2.77008	5	X
K08CG5V	16.6	0.15	K134I	309.311	240.490	33.281	8.536	0.11493	2.74612	5	X
K08CH1S	16.5	0.15	K134I	307.744	157.937	99.843	12.702	0.05689	2.67934	6	X
K08CH6S	17.1	0.15	K134I	38.204	143.159	0.311	13.689	0.22713	2.79736	3	X
K08CH7B	16.6	0.15	K134I	67.905	343.714	144.806	14.418	0.05532	2.69744	4	X
K08CJ8L	17.5	0.15	K134I	46.008	341.200	159.291	8.795	0.12162	2.79578	5	W
K08CK1J	17.3	0.15	K134I	8.601	229.744	336.896	5.626	0.07658	2.64080	4	X
K08D21W	16.9	0.15	K134I	37.256	307.894	213.420	12.478	0.17203	2.80865	4	X
K08D36X	16.7	0.15	K134I	205.047	9.633	7.565	7.122	0.08843	2.67608	5	X
K08D55E	18.6	0.15	K134I	317.624	84.440	165.935	25.068	0.08892	1.82115	3	X

K08D70R	16.1	0.15	K134I	339.694	189.820	26.012	10.884	0.05370	2.82979	4	X
K08E14T	17.2	0.15	K134I	120.816	257.432	177.350	7.876	0.05753	2.87066	4	W
K08E18Y	16.6	0.15	K134I	19.560	202.087	328.182	4.844	0.21238	2.84185	5	X
K08E44C	17.9	0.15	K134I	45.400	115.294	23.002	19.379	0.06437	1.86528	3	X
K08E71F	16.6	0.15	K134I	345.942	227.020	4.447	8.496	0.12042	2.76223	5	X
K08E78T	16.8	0.15	K134I	39.849	117.118	47.255	4.875	0.13955	2.77720	5	X
K08EB00	17.1	0.15	K134I	320.769	107.224	149.325	11.696	0.15800	2.72427	3	X
K08EF6Q	16.9	0.15	K134I	100.750	100.916	7.088	7.494	0.09686	2.77844	6	X
K08F02F	16.9	0.15	K134I	17.237	300.838	253.296	2.205	0.12936	2.77650	4	X
K08F09L	16.7	0.15	K134I	259.956	287.042	1.320	1.677	0.02873	2.83992	5	X
K08F18A	18.2	0.15	K134I	184.720	176.837	173.147	21.455	0.10515	1.86540	4	X
K08F29G	18.3	0.15	K134I	130.723	44.055	352.357	21.264	0.09244	1.84814	5	X
K08F54N	16.4	0.15	K134I	295.004	248.173	34.954	7.749	0.09824	2.91989	5	X
K08F79D	16.9	0.15	K134I	288.364	322.795	307.160	0.626	0.13831	2.98819	8	X
K08FA1R	16.5	0.15	K134I	336.832	145.577	73.824	6.786	0.28213	3.02955	3	X
K08G42K	15.9	0.15	K134I	13.769	342.163	186.080	10.793	0.06847	3.06537	5	X
K08G67L	15.7	0.15	K134I	298.956	215.548	48.468	10.103	0.10763	3.04011	5	X
K08GD2L	15.3	0.15	K134I	260.345	245.298	77.155	12.250	0.19637	3.12977	5	X
K08GD4C	16.0	0.15	K134I	183.855	251.493	126.970	11.106	0.07628	3.12716	5	X
K08GE4T	16.3	0.15	K134I	302.769	164.838	101.712	8.309	0.08035	2.96911	6	X
K08H07L	15.9	0.15	K134I	315.503	93.383	161.116	12.518	0.15850	3.01726	6	X
K08H18F	15.9	0.15	K134I	4.645	120.693	60.049	21.146	0.14765	3.03842	4	X
K08H29K	18.6	0.15	K134I	27.753	329.595	211.291	20.713	0.03128	1.84696	4	X
K08J07S	16.6	0.15	K134I	316.563	202.291	52.798	1.253	0.26482	3.07402	4	X
K08J31C	15.9	0.15	K134I	316.978	148.587	95.762	10.809	0.04001	3.09512	6	X
K08J32E	15.5	0.15	K134I	309.959	184.171	73.583	11.514	0.07406	3.09807	5	X
K08J36N	15.8	0.15	K134I	119.610	309.950	130.300	11.055	0.02602	3.12307	5	X
K08K01Y	17.8	0.15	K134I	106.116	29.650	75.309	20.603	0.05071	1.86512	5	X
K08K42L	15.9	0.15	K134I	319.784	120.481	152.640	15.892	0.14266	2.99615	6	X
K08L12K	18.2	0.15	K134I	281.374	88.861	198.096	21.363	0.06725	1.89826	6	X
K08M00J	16.6	0.15	K134I	9.180	322.879	227.054	10.611	0.24216	3.01828	4	X
K08U75A	18.4	0.15	K134I	139.553	69.876	1.526	2.720	0.08167	2.13732	4	X
K08U90C	17.6	0.15	K134I	232.858	141.376	219.540	30.555	0.22658	1.99681	3	X
K08W77T	18.6	0.15	K134I	40.934	54.068	95.092	4.852	0.06423	2.22549	4	W
K08WD4G	17.8	0.15	K134I	117.583	341.844	80.914	7.202	0.13169	2.24526	4	X
K08Y18R	17.4	0.15	K134I	345.708	278.505	302.171	6.264	0.06270	2.29794	4	X
K08Y47H	16.9	0.15	K134I	16.661	61.676	95.172	7.467	0.06775	2.38666	2	X
K08Y84Z	17.2	0.15	K134I	338.866	309.360	278.218	6.331	0.05846	2.28143	4	X
K08YA0H	18.4	0.15	K134I	60.933	99.629	10.313	0.014	0.15375	2.38639	5	X
K08YE3V	17.6	0.15	K134I	2.725	294.143	280.022	4.546	0.17973	2.31452	4	X
K08YF7Z	17.8	0.15	K134I	358.796	191.671	359.521	2.405	0.13462	2.41522	3	X
K09A11Q	17.9	0.15	K134I	71.153	167.032	324.328	1.337	0.07646	2.28725	6	X
K09A31V	17.5	0.15	K134I	91.970	202.357	271.938	3.425	0.07490	2.26747	4	X
K09A38R	17.7	0.15	K134I	334.178	91.119	136.167	3.776	0.07839	2.31439	4	X
K09B09H	16.7	0.15	K134I	107.150	326.961	124.204	25.844	0.19776	2.26428	5	X
K09B20J	17.5	0.15	K134I	3.280	201.198	326.055	1.795	0.14568	2.44544	3	X
K09B36S	17.8	0.15	K134I	37.968	153.009	16.978	3.015	0.08468	2.32659	5	X
K09B39J	17.7	0.15	K134I	47.695	153.243	3.587	2.511	0.07504	2.33669	6	X
K09B42B	17.7	0.15	K134I	349.333	77.430	132.185	6.134	0.14427	2.40317	2	X
K09B45Q	17.7	0.15	K134I	16.047	305.828	246.402	2.005	0.07721	2.35261	6	X
K09B51C	17.8	0.15	K134I	43.233	201.480	320.380	5.454	0.10044	2.32461	5	X
K09B51J	17.1	0.15	K134I	19.757	44.005	135.390	6.922	0.05472	2.39606	7	X
K09B64C	17.7	0.15	K134I	109.503	120.165	334.733	7.648	0.08233	2.26032	4	X
K09B73V	16.6	0.15	K134I	42.370	48.512	60.224	30.633	0.28545	2.54223	3	X
K09B81O	18.0	0.15	K134I	68.153	351.283	113.026	5.487	0.25599	2.41526	2	W
K09B96W	17.3	0.15	K134I	43.268	195.234	334.830	6.360	0.02583	2.26277	5	X
K09BA6S	17.6	0.15	K134I	132.840	173.737	260.008	2.479	0.12627	2.26518	5	X
K09BE9W	18.5	0.15	K134I	51.725	335.539	158.403	2.342	0.15893	2.42729	5	X
K09BE9X	18.1	0.15	K134I	47.264	202.892	313.564	1.916	0.14164	2.37985	6	X
K09BF8R	17.4	0.15	K134I	10.709	231.942	320.355	3.778	0.17039	2.42751	3	X
K09BH2J	17.8	0.15	K134I	18.274	349.469	174.095	3.148	0.12022	2.43183	5	X
K09BI0D	18.1	0.15	K134I	34.508	282.234	251.006	0.580	0.12433	2.34621	4	X
K09BI2K	17.6	0.15	K134I	350.772	220.628	8.664	2.696	0.12150	2.34469	6	X
K09C23U	17.4	0.15	K134I	354.879	275.087	297.310	5.378	0.08124	2.36301	4	X
K09C25F	17.9	0.15	K134I	315.168	246.402	1.654	4.274	0.16618	2.43123	3	X
K09C64G	18.4	0.15	K134I	351.798	336.797	221.786	0.657	0.12255	2.40139	3	W
K09D15U	17.4	0.15	K134I	90.444	150.434	323.911	3.354	0.04118	2.34794	6	X
K09D42W	18.1	0.15	K134I	73.874	83.088	7.336	4.976	0.19458	2.40412	4	X
K09D47K	17.8	0.15	K134I	310.460	211.280	49.451	5.379	0.16711	2.42518	3	X
K09D55M	17.9	0.15	K134I	72.310	142.951	355.689	7.555	0.04850	2.36280	3	X
K09D70C	18.0	0.15	K134I	78.892	156.769	317.648	1.555	0.16347	2.37582	6	X
K09D75B	17.6	0.15	K134I	56.561	162.723	340.979	2.125	0.14072	2.38858	4	X
K09D88Y	17.8	0.15	K134I	340.102	42.473	207.695	2.238	0.16396	2.33906	5	X
K09D92F	18.2	0.15	K134I	66.388	278.920	205.933	4.160	0.18155	2.41543	3	X
K09D99H	17.6	0.15	K134I	57.101	75.994	70.141	2.904	0.11727	2.40343	4	X
K09DA4B	18.0	0.15	K134I	343.419	209.414	359.779	2.893	0.14151	2.52956	3	X
K09DA9F	16.9	0.15	K134I	302.761	142.410	122.070	10.278	0.09092	2.39522	6	X

K09DC0D	17.7	0.15	K134I	352.718	254.134	315.200	0.778	0.12762	2.46213	5	X
K09DC2H	17.4	0.15	K134I	342.223	171.806	61.348	2.343	0.14636	2.44654	4	X
K09DD9Q	17.6	0.15	K134I	117.359	90.580	351.830	1.913	0.16102	2.40086	4	X
K09F15D	17.8	0.15	K134I	331.678	81.899	173.429	2.963	0.17660	2.37640	4	X
K09F30A	17.8	0.15	K134I	339.786	219.299	25.326	1.590	0.14542	2.42743	5	X
K09F67M	17.7	0.15	K134I	6.450	356.422	211.282	3.707	0.18477	2.43737	6	X
K09H03Y	17.6	0.15	K134I	23.518	127.299	54.221	9.534	0.15361	2.46514	5	X
K09H13S	16.4	0.15	K134I	9.306	155.427	24.423	22.934	0.09349	2.59649	4	X
K09H15D	17.5	0.15	K134I	342.594	76.672	154.959	6.428	0.06358	2.45518	5	X
K09H28W	17.1	0.15	K134I	338.633	177.968	67.796	5.348	0.24245	2.55832	4	X
K09H59L	16.9	0.15	K134I	342.094	133.714	88.520	5.408	0.21990	2.57967	6	X
K09H61U	17.6	0.15	K134I	14.180	329.211	208.269	12.996	0.20029	2.59856	4	X
K09H73B	17.0	0.15	K134I	359.738	109.233	93.543	9.453	0.11126	2.57942	5	X
K09H96C	16.6	0.15	K134I	339.703	116.385	117.874	8.459	0.15086	2.58720	5	X
K09J01X	16.4	0.15	K134I	283.160	170.163	137.812	11.787	0.25055	2.63139	6	X
K09J07F	16.4	0.15	K134I	306.195	194.635	83.641	17.079	0.13735	2.58637	4	X
K09J07O	16.2	0.15	K134I	349.598	344.135	231.755	14.145	0.11764	2.60362	2	X
K09K02K	16.4	0.15	K134I	321.080	78.012	191.683	12.663	0.16908	2.56782	5	X
K09K07O	16.9	0.15	K134I	337.844	164.281	78.653	13.956	0.22467	2.58271	4	X
K09K17J	17.7	0.15	K134I	333.492	43.114	183.283	5.119	0.19608	2.64259	4	X
K09K23V	17.8	0.15	K134I	23.143	12.149	166.948	6.841	0.19883	2.56171	6	X
K09O05N	16.8	0.15	K134I	312.907	106.420	177.278	9.238	0.24045	2.74475	4	X
K09P08S	15.0	0.15	K134I	248.761	343.122	338.979	18.969	0.15347	3.17897	4	X
K09Q27H	16.0	0.15	K134I	235.200	350.260	0.336	11.261	0.10749	3.14509	5	X
K09Q57V	15.6	0.15	K134I	278.202	286.489	13.467	8.156	0.17373	3.14954	6	X
K09Q62Q	16.3	0.15	K134I	244.946	208.437	151.415	13.010	0.18348	2.99350	4	X
K09R48M	16.3	0.15	K134I	290.232	286.299	15.918	0.349	0.16928	3.11292	7	X
K09R58S	15.6	0.15	K134I	299.935	256.283	30.702	20.948	0.29847	3.11104	4	X
K09R63H	15.7	0.15	K134I	235.116	106.384	251.985	8.687	0.16920	3.10373	6	X
K09R67Y	16.1	0.15	K134I	314.098	67.932	199.157	26.007	0.19617	3.19964	4	W
K09S24A	16.3	0.15	K134I	287.427	46.431	254.574	4.081	0.12601	3.08523	5	X
K09S78S	15.5	0.15	K134I	324.138	307.975	313.380	6.792	0.15488	3.11006	5	X
K09SA4Q	20.9	0.15	K134I	29.981	95.486	56.592	4.016	0.27967	1.28460	2	X
K09SG4Z	15.9	0.15	K134I	261.951	315.080	21.961	12.399	0.22536	3.15575	4	X
K09SL6A	15.9	0.15	K134I	262.576	316.348	11.264	9.431	0.09274	3.16502	5	X
K09SO7J	15.6	0.15	K134I	305.900	252.895	30.354	20.293	0.29472	3.04025	4	X
K09SP9H	16.0	0.15	K134I	314.188	259.699	10.730	12.438	0.11582	3.07847	4	X
K09SR4B	16.1	0.15	K134I	284.311	281.603	19.306	12.094	0.11597	3.18043	3	X
K09SR7V	16.1	0.15	K134I	272.564	122.381	181.424	16.115	0.31925	3.09791	6	X
K09SU4U	15.8	0.15	K134I	197.714	26.599	359.977	7.841	0.01732	3.20471	7	X
K09SW8B	16.3	0.15	K134I	290.949	77.495	231.989	1.384	0.21491	3.06525	6	X
K09SX2H	15.5	0.15	K134I	296.123	55.854	248.284	11.270	0.24314	2.91113	3	X
K09U03M	17.9	0.15	K134I	349.062	128.377	162.779	12.696	0.78847	2.43378	4	X
K09U40G	16.6	0.15	K134I	289.302	86.069	182.959	25.137	0.28013	3.14572	4	W
K09U90X	15.5	0.15	K134I	257.675	77.811	252.222	9.821	0.12431	3.19208	6	X
K09UD5R	15.3	0.15	K134I	255.996	330.866	22.382	24.155	0.30245	3.13664	5	X
K09UE0N	14.7	0.15	K134I	39.346	298.576	235.357	10.827	0.02261	3.96000	6	X
K09WE3G	16.0	0.15	K134I	292.602	265.760	41.793	18.973	0.20608	3.11166	5	X
K10D49F	17.5	0.15	K134I	103.782	291.259	154.282	23.930	0.11150	1.98728	3	X
K10EA4D	17.9	0.15	K134I	0.107	192.723	14.624	19.458	0.07266	1.99954	5	X
K10F16F	18.3	0.15	K134I	129.082	36.783	357.631	5.524	0.07126	2.21376	4	X
K10H30W	16.5	0.15	K134I	201.368	242.910	127.374	10.559	0.15668	2.46417	4	X
K10H35Q	17.9	0.15	K134I	296.205	159.502	129.851	7.100	0.20448	2.29275	5	X
K10K10R	19.4	0.15	K134I	310.147	232.809	94.392	1.046	0.58539	2.16930	2	W
K10K88B	16.8	0.15	K134I	231.927	340.991	21.221	14.758	0.25129	2.47838	5	X
K10L14F	23.8	0.15	K134I	349.243	345.784	256.585	1.621	0.47213	2.07151	2	X
K10L41K	16.8	0.15	K134I	290.924	64.844	214.140	12.167	0.07827	2.53330	4	X
K10L61U	16.6	0.15	K134I	288.334	15.650	278.092	11.775	0.20440	2.28773	4	X
K10LC0V	17.6	0.15	K134I	319.890	274.900	356.440	4.619	0.21619	2.33748	6	X
K10M25N	17.4	0.15	K134I	288.355	31.419	288.009	3.843	0.26299	2.32815	3	X
K10N79V	15.4	0.15	K134I	114.834	213.987	221.472	12.659	0.12814	3.19595	4	X
K10NB3W	15.8	0.15	K134I	255.508	51.038	253.519	10.901	0.04473	2.86895	5	X
K10O38W	15.8	0.15	K134I	102.841	79.927	24.511	13.368	0.07022	2.99735	5	X
K10O93J	16.5	0.15	K134I	165.962	174.222	235.802	10.345	0.08852	2.91676	4	X
K10OB4G	15.2	0.15	K134I	33.894	283.863	237.669	17.350	0.09623	3.23274	4	X
K10P10D	16.9	0.15	K134I	325.006	23.222	242.282	6.596	0.20217	2.24572	6	X
K10P23Y	17.3	0.15	K134I	211.916	39.116	326.700	3.020	0.06002	2.54527	5	X
K10P27T	14.6	0.15	K134I	118.887	226.062	218.385	26.437	0.10604	3.16561	5	X
K10P32U	15.7	0.15	K134I	41.025	306.084	225.827	26.931	0.22370	3.16097	5	X
K10P60X	17.0	0.15	K134I	264.959	359.840	322.714	6.183	0.13266	2.43195	4	X
K10P63M	17.2	0.15	K134I	255.888	38.924	290.659	2.773	0.22070	2.42012	6	X
K10P71Y	15.9	0.15	K134I	189.397	180.817	199.341	11.246	0.12945	3.01052	6	X
K10P76R	16.7	0.15	K134I	275.824	150.950	156.153	15.003	0.16766	2.43761	3	X
K10P76Z	18.0	0.15	K134I	283.967	336.535	346.559	1.658	0.25260	2.28505	3	X
K10P79D	17.7	0.15	K134I	242.399	330.345	18.249	2.370	0.19885	2.39457	6	X
K10Q05X	17.5	0.15	K134I	265.860	304.014	24.174	1.459	0.19866	2.37544	7	X
K10R52K	17.2	0.15	K134I	262.549	95.170	240.365	1.576	0.19953	2.42156	6	X

K10R79E	17.1	0.15	K134I	299.857	319.769	321.311	4.473	0.16353	2.42678	4	X
K10RB0J	16.8	0.15	K134I	294.730	321.749	315.990	3.387	0.13209	2.53520	4	X
K10RB1C	16.8	0.15	K134I	323.688	231.751	13.189	13.393	0.13303	2.66614	2	X
K10RB3O	16.4	0.15	K134I	103.839	235.466	222.684	9.746	0.10409	3.00811	4	X
K10RB8F	16.6	0.15	K134I	269.874	189.285	108.853	4.695	0.05080	2.78378	4	W
K10RG3P	17.4	0.15	K134I	322.473	282.835	343.112	5.205	0.15011	2.38640	7	X
K10RH4J	17.0	0.15	K134I	232.834	6.901	340.540	5.697	0.02679	2.71252	5	X
K10RH5S	17.1	0.15	K134I	5.796	337.560	233.008	5.644	0.07981	2.66916	4	X
K10S11Q	18.1	0.15	K134I	294.475	321.832	349.503	6.333	0.25189	2.32334	3	X
K10S18A	17.6	0.15	K134I	310.605	27.433	249.960	0.576	0.16818	2.43869	5	X
K10T14G	16.9	0.15	K134I	297.327	40.870	243.609	4.152	0.05041	2.63070	6	X
K10T16S	17.0	0.15	K134I	230.517	34.963	318.754	5.191	0.04361	2.68412	7	X
K10T21Y	16.8	0.15	K134I	98.325	72.299	19.693	10.125	0.05669	3.12368	3	W
K10T25Q	17.7	0.15	K134I	299.087	42.529	246.336	2.819	0.15393	2.43002	4	X
K10T29C	16.6	0.15	K134I	46.830	166.489	353.835	4.117	0.13490	2.87841	6	X
K10T39T	16.7	0.15	K134I	110.356	102.470	348.371	7.302	0.11788	3.04410	6	X
K10TA1B	14.9	0.15	K134I	139.849	182.552	243.057	15.530	0.28238	3.09945	4	X
K10TA5L	16.8	0.15	K134I	215.180	13.881	352.388	5.693	0.03577	2.71425	4	X
K10TD8P	16.7	0.15	K134I	219.110	97.717	262.720	4.055	0.06252	2.80938	7	X
K10TI1C	16.7	0.15	K134I	269.469	110.500	182.738	14.132	0.15443	2.66717	3	X
K10TI7S	16.9	0.15	K134I	235.569	80.172	271.286	5.809	0.08609	2.69907	4	X
K10U03O	16.5	0.15	K134I	218.614	139.218	230.901	8.929	0.15136	2.74395	4	X
K10U05V	17.4	0.15	K134I	284.660	27.959	276.863	6.473	0.11409	2.61707	4	X
K10U06C	16.2	0.15	K134I	256.735	127.902	210.365	14.974	0.21792	2.62049	4	X
K10U19O	17.3	0.15	K134I	279.059	89.589	217.760	7.724	0.11278	2.67137	5	X
K10U20C	16.9	0.15	K134I	281.601	82.821	225.994	2.168	0.11559	2.62602	6	X
K10U30W	16.9	0.15	K134I	253.480	321.166	13.114	5.982	0.08108	2.74477	4	X
K10U34Y	15.9	0.15	K134I	139.970	64.971	8.664	10.106	0.09298	3.02124	6	X
K10U40B	16.7	0.15	K134I	103.039	91.372	15.246	4.939	0.09440	3.08201	4	X
K10U44N	15.8	0.15	K134I	111.085	190.765	259.525	9.001	0.03696	3.14939	4	X
K10U59W	15.6	0.15	K134I	282.818	50.093	249.613	8.654	0.08359	3.05084	5	X
K10U66J	16.4	0.15	K134I	247.638	109.033	229.987	4.761	0.11946	2.76000	6	X
K10U75B	16.8	0.15	K134I	225.378	349.758	12.225	14.510	0.16268	2.73461	4	X
K10V12W	17.1	0.15	K134I	236.541	47.765	294.793	4.611	0.06761	2.80446	3	X
K10V29D	16.3	0.15	K134I	173.215	157.264	244.778	7.983	0.02275	3.01530	5	X
K10V45T	16.4	0.15	K134I	118.713	195.080	264.254	8.087	0.04161	3.16813	6	X
K10V82R	16.2	0.15	K134I	175.665	174.716	224.261	9.232	0.08591	2.99994	5	X
K10V87Y	16.0	0.15	K134I	237.649	283.398	47.183	9.502	0.06745	3.13542	2	X
K10V89J	15.6	0.15	K134I	266.426	56.277	261.434	9.715	0.05354	3.02407	6	X
K10V99E	16.0	0.15	K134I	258.564	108.890	234.414	11.398	0.30346	2.59517	4	X
K10VA2L	15.4	0.15	K134I	271.778	58.776	237.612	13.853	0.07898	3.16407	7	X
K10VB5U	16.0	0.15	K134I	160.592	33.389	19.719	10.026	0.09873	3.10269	4	X
K10VC5P	15.9	0.15	K134I	215.679	140.750	229.614	7.955	0.10455	2.97881	5	X
K10VD6D	16.8	0.15	K134I	308.968	219.537	62.616	10.012	0.19022	2.71227	5	X
K10VH1G	15.7	0.15	K134I	276.118	64.064	245.018	12.233	0.05980	3.01830	5	X
K10VH5E	16.0	0.15	K134I	343.681	10.390	221.331	10.792	0.03934	3.13100	5	X
K10VH8O	16.3	0.15	K134I	185.992	152.759	237.795	4.255	0.15963	2.99645	5	X
K10VI1X	15.9	0.15	K134I	340.844	170.461	71.823	8.816	0.13676	3.16035	6	X
K10VI2G	16.7	0.15	K134I	257.379	8.855	333.572	2.707	0.20337	2.61663	6	X
K10VJ5C	16.3	0.15	K134I	102.000	212.083	253.664	1.444	0.04314	3.13079	5	X
K10VK5J	17.1	0.15	K134I	250.155	38.569	298.231	1.831	0.08433	2.74995	7	X
K10VK5L	16.3	0.15	K134I	256.160	296.652	359.683	9.998	0.09377	3.02156	3	X
K10VL4V	16.6	0.15	K134I	274.710	18.996	285.943	5.025	0.05453	2.73277	5	X
K10W04Q	16.4	0.15	K134I	259.144	80.640	239.854	9.429	0.04894	2.96590	3	X
K10W08H	15.8	0.15	K134I	187.667	141.587	249.078	12.503	0.13906	3.11004	5	X
K10W09Q	16.0	0.15	K134I	119.891	70.058	24.335	11.244	0.04885	3.17490	6	X
K10W11C	16.1	0.15	K134I	138.045	89.557	344.850	9.460	0.02557	3.13098	4	X
K10W68E	15.4	0.15	K134I	256.685	49.975	269.359	7.872	0.08251	3.17463	6	X
K10W71K	16.0	0.15	K134I	258.608	337.888	8.145	5.244	0.29818	2.56851	4	X
K10X24N	16.0	0.15	K134I	167.865	292.031	111.737	11.223	0.20020	3.14123	5	X
K11SC6X	16.5	0.15	K134I	104.392	228.313	185.952	13.393	0.25658	2.69480	3	X
K11SE8P	17.6	0.15	K134I	79.788	270.604	189.036	7.012	0.07730	2.26615	6	X
K11SH2R	17.9	0.15	K134I	110.164	236.157	225.226	2.275	0.04904	2.13752	5	X
K11SH3D	19.5	0.15	K134I	334.503	59.335	203.255	4.390	0.49794	1.65244	3	X
K11SJ8W	18.3	0.15	K134I	304.245	252.655	357.368	21.883	0.09419	1.94049	2	X
K11SL9G	16.1	0.15	K134I	56.743	264.297	214.807	12.143	0.22609	2.69079	5	X
K11SQ0F	17.6	0.15	K134I	73.852	104.999	19.442	2.601	0.15663	2.40431	4	X
K11T07H	18.1	0.15	K134I	100.126	174.148	287.411	2.655	0.12656	2.24678	6	X
K11U01W	17.6	0.15	K134I	80.842	147.929	335.744	3.674	0.09726	2.21770	5	X
K11U06K	17.6	0.15	K134I	10.428	334.808	221.782	7.694	0.14578	2.30443	5	X
K11U08K	15.9	0.15	K134I	39.469	81.070	50.145	10.392	0.22756	3.11324	6	X
K11U47M	17.3	0.15	K134I	116.111	49.256	28.137	7.249	0.07712	2.33868	5	X
K11U49A	17.4	0.15	K134I	70.890	76.380	35.992	3.516	0.15475	2.59945	4	X
K11U84U	16.5	0.15	K134I	53.451	248.177	256.116	8.281	0.16789	2.63224	5	X
K11U86W	15.5	0.15	K134I	77.737	212.773	239.532	15.936	0.27222	3.11947	4	X
K11U93L	16.9	0.15	K134I	58.385	97.544	22.768	13.114	0.21978	2.62150	2	W
K11UA4Y	17.4	0.15	K134I	134.319	167.416	260.003	3.421	0.15032	2.21292	5	X

K11UB3G	15.7	0.15	K134I	26.519	100.542	54.781	25.523	0.12995	2.76970	4	X
K11UB6X	17.9	0.15	K134I	96.742	290.198	167.726	0.275	0.16727	2.41669	5	X
K11UC7A	15.9	0.15	K134I	84.176	241.753	226.308	13.865	0.23677	2.63557	4	X
K11UC9B	16.3	0.15	K134I	36.704	117.649	34.999	11.807	0.07709	2.63653	4	X
K11UD8E	17.9	0.15	K134I	145.735	161.447	261.123	2.532	0.09812	2.29004	4	X
K11UF2J	17.6	0.15	K134I	290.805	218.591	62.319	5.088	0.14669	2.19124	6	X
K11UF6F	16.0	0.15	K134I	50.336	47.144	68.379	15.309	0.16196	3.15232	4	X
K11UH6N	17.0	0.15	K134I	41.659	231.024	276.189	3.397	0.14123	2.59667	6	X
K11UJ4O	17.9	0.15	K134I	130.325	214.324	224.263	6.638	0.06869	2.26349	3	X
K11UK2M	17.5	0.15	K134I	66.984	70.091	66.073	7.537	0.05140	2.37500	3	X
K11UO7T	16.6	0.15	K134I	60.671	78.402	53.963	22.424	0.10677	2.58000	5	X
K11UP0N	16.9	0.15	K134I	20.358	322.352	222.321	7.162	0.19644	2.61489	7	X
K11UU0V	17.8	0.15	K134I	63.406	271.022	232.634	3.160	0.09597	2.23627	6	X
K11UV7B	18.1	0.15	K134I	118.532	89.386	355.177	1.123	0.15259	2.37798	7	X
K11UW2B	17.2	0.15	K134I	86.180	267.012	185.049	8.122	0.20307	2.74184	5	X
K11UX1E	16.8	0.15	K134I	70.711	237.436	247.509	10.505	0.15873	2.65395	4	X
K11Uc5T	16.4	0.15	K134I	99.477	81.576	12.744	5.883	0.21541	2.57252	3	X
K11Ud6B	15.5	0.15	K134I	50.847	282.545	191.489	24.982	0.29418	3.15048	5	X
K11V04G	17.2	0.15	K134I	90.823	84.181	14.294	12.786	0.23509	2.60125	3	X
K11W06H	18.0	0.15	K134I	106.351	114.739	339.148	1.028	0.12875	2.33215	6	X
K11W57S	17.2	0.15	K134I	21.329	304.249	227.835	6.878	0.15453	2.76136	4	X
K11W62A	17.0	0.15	K134I	66.929	262.592	228.149	3.939	0.13807	2.63449	5	X
K11W66N	17.0	0.15	K134I	106.009	49.803	47.600	0.686	0.14442	2.53535	3	X
K11W77E	16.8	0.15	K134I	112.572	194.284	260.172	5.602	0.10028	2.33463	6	X
K11W80A	17.6	0.15	K134I	327.313	12.978	227.998	5.702	0.07007	2.26864	4	X
K11W95G	17.4	0.15	K134I	71.980	264.080	226.314	11.012	0.12979	2.54083	5	X
K11WA7B	16.9	0.15	K134I	151.524	256.231	158.068	0.765	0.14727	2.52038	8	X
K11WD3H	16.4	0.15	K134I	64.674	284.331	197.730	17.873	0.10524	2.67141	5	X
K11WD9O	16.5	0.15	K134I	95.075	197.709	271.620	7.992	0.09854	2.75279	6	X
K11WF3X	15.9	0.15	K134I	251.843	263.754	54.138	27.006	0.14965	2.55252	7	X
K11Y07W	16.6	0.15	K134I	137.977	165.763	258.348	6.564	0.17304	2.62675	4	X
K11Y20J	16.3	0.15	K134I	158.869	135.553	278.652	5.275	0.00924	2.75507	7	X
K11Y32S	17.2	0.15	K134I	154.130	199.337	211.077	2.962	0.18784	2.54281	4	X
K11Y34B	16.2	0.15	K134I	20.198	234.896	315.542	5.033	0.03232	2.84851	6	X
K11Y46B	16.6	0.15	K134I	213.060	288.136	74.575	7.059	0.05733	2.67251	7	X
K11Y53D	16.0	0.15	K134I	61.480	212.076	286.412	8.542	0.02639	3.07034	4	X
K11Y56S	16.8	0.15	K134I	53.676	120.287	27.191	1.101	0.11706	3.17479	3	X
K11Y68M	15.4	0.15	K134I	26.582	88.389	76.349	12.042	0.10539	3.33093	5	X
K12A22S	16.5	0.15	K134I	280.388	356.125	304.781	4.183	0.02342	2.74794	6	X
K12B05C	17.0	0.15	K134I	155.999	103.322	309.263	4.143	0.11558	2.70901	6	X
K12B05G	15.9	0.15	K134I	294.189	155.010	114.185	10.275	0.05282	3.15789	4	X
K12B09D	15.7	0.15	K134I	91.054	193.792	278.836	7.163	0.13546	3.33257	6	X
K12B22E	16.8	0.15	K134I	299.319	61.154	218.966	3.556	0.02429	2.76400	8	X
K12B30Q	15.7	0.15	K134I	8.355	68.988	124.525	11.306	0.06864	3.12808	5	X
K12B32R	16.0	0.15	K134I	58.360	174.318	327.432	10.057	0.06204	3.17996	5	X
K12B58Q	16.0	0.15	K134I	294.202	182.988	105.457	9.297	0.19328	2.75529	6	X
K12B66C	16.5	0.15	K134I	63.925	252.737	247.445	4.587	0.11683	3.19100	3	X
K12B73W	16.2	0.15	K134I	0.467	317.060	259.707	3.341	0.07203	3.10284	4	X
K12B80X	16.6	0.15	K134I	291.151	167.296	111.591	10.290	0.08789	3.21584	4	X
K12B83V	17.4	0.15	K134I	145.537	74.883	356.427	3.986	0.04874	2.81996	4	X
K12B84W	15.9	0.15	K134I	248.761	4.582	320.385	10.837	0.13455	2.92751	4	X
K12B91O	16.0	0.15	K134I	148.485	291.396	131.242	10.605	0.08291	3.09905	4	X
K12BA6J	15.3	0.15	K134I	168.673	297.891	92.479	12.385	0.10015	3.11976	5	X
K12BA8E	17.0	0.15	K134I	269.013	351.585	328.025	2.392	0.10570	2.68396	8	X
K12BA9G	16.7	0.15	K134I	295.059	320.562	328.772	7.178	0.09685	2.98570	3	X
K12BB6A	16.5	0.15	K134I	223.527	51.858	306.559	5.462	0.02792	2.79548	6	X
K12BC9H	16.6	0.15	K134I	235.117	144.064	210.167	3.080	0.10742	2.77413	6	X
K12BF1O	15.8	0.15	K134I	193.407	76.259	301.645	9.248	0.10340	2.97478	4	X
K12C08V	16.7	0.15	K134I	121.330	125.351	313.634	2.596	0.14898	3.17496	5	X
K12C09J	16.5	0.15	K134I	336.112	280.967	323.956	4.946	0.03355	3.17141	6	X
K12C30G	16.5	0.15	K134I	107.272	105.550	357.510	10.345	0.05520	3.00489	4	X
K12C44B	16.3	0.15	K134I	134.371	199.519	233.799	5.070	0.07706	3.16660	6	X
K12Q10O	18.9	0.15	K134I	51.944	188.327	262.371	5.745	0.48293	1.66364	2	X
K13C32T	15.8	0.15	K134I	63.221	342.215	110.695	30.562	0.08654	2.60535	4	X
K13C38K	17.4	0.15	K134I	354.530	191.909	349.769	5.927	0.16328	2.36776	3	X
K13C62Q	17.9	0.15	K134I	0.886	15.224	155.613	1.481	0.08501	2.23049	5	X
K13C87E	15.6	0.15	K134I	315.983	85.005	157.406	16.549	0.20876	3.12743	6	X
K13CA1X	17.2	0.15	K134I	33.132	341.736	145.835	14.684	0.17604	2.61247	2	X
K13E31T	16.8	0.15	K134I	31.226	332.200	165.155	15.165	0.29746	3.08429	2	X
K13E97R	16.8	0.15	K134I	143.232	227.043	171.761	4.226	0.04258	2.56149	3	X
K13EB8F	17.4	0.15	K134I	290.064	247.770	29.172	2.516	0.18346	2.41924	2	X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K12X06Y	19.1	0.15	K134I	9.553	173.253	348.414	7.788	0.49104	2.00827	131	X
K13AD2A	17.1	0.15	K134I	19.564	5.686	146.899	14.485	0.18099	2.66220	93	X
K13B18F	19.2	0.15	K134I	349.077	137.229	102.149	13.212	0.74901	2.81485	87	X

K13E28K	23.3	0.15	K134I	2.498	53.758	144.916	3.697	0.50889	2.35699	35	X
K13E89S	18.9	0.15	K134I	347.103	277.971	337.895	9.879	0.57111	2.65627	30	X
K13EA8V	20.7	0.15	K134I	352.090	215.259	33.389	8.419	0.63433	2.39916	35	X
K13EC6O	19.9	0.15	K134I	347.345	147.620	154.201	2.936	0.78555	2.28965	29	X
K13G00J	23.1	0.15	K134I	352.076	233.884	12.242	12.833	0.57502	2.14603	10	X
K13G03M	26.4	0.15	K134I	237.650	321.560	28.053	0.026	0.28767	0.83606	9	X
K13G08L	18.6	0.15	K134I	16.872	46.406	332.033	8.556	0.83616	2.29435	10	X
K13G23F	23.7	0.15	K134I	149.605	204.357	197.755	27.733	0.32113	0.85718	6	X
K13G23H	25.8	0.15	K134I	347.755	19.106	231.105	2.080	0.51795	1.91517	5	X
K13G35J	15.8	0.15	K134I	52.966	216.974	290.723	41.383	0.47622	2.05162	6	X
K13G38Q	23.2	0.15	K134I	344.226	40.104	206.201	8.156	0.42666	1.75022	5	X
K13G38R	21.8	0.15	K134I	334.875	68.136	218.890	4.601	0.55780	1.79162	4	X
K13G38S	19.6	0.15	K134I	269.884	195.687	128.280	6.856	0.40778	1.47952	6	X
K13G38U	20.5	0.15	K134I	313.182	65.886	206.949	17.865	0.27333	1.57943	6	X
K13G55C	24.4	0.15	K134I	351.324	204.864	22.609	18.007	0.37044	1.63396	2	X
K13G66H	28.0	0.15	K134I	333.688	35.700	200.632	3.663	0.04464	1.05061	5	S
K13G66R	21.1	0.15	K134I	353.919	205.460	31.532	22.052	0.54573	2.65004	2	S
K13G66S	21.0	0.15	K134I	22.688	272.787	204.686	2.463	0.59046	2.04641	2	S
K13G66T	25.2	0.15	K134I	254.038	321.811	21.369	14.605	0.32320	0.85026	1	S
K13G66U	24.8	0.15	K134I	293.225	269.546	23.901	14.922	0.17424	1.10815	1	K
K13G68U	19.3	0.15	K134I	127.143	25.788	29.609	23.432	0.28110	1.60251	3	S
K13G68V	18.8	0.15	K134I	29.578	256.830	169.124	6.025	0.87069	1.72155	2	X
K13G68W	21.9	0.15	K134I	104.280	240.317	190.661	14.589	0.34287	1.04012	2	S
K13G68X	23.1	0.15	K134I	66.944	110.201	25.126	11.413	0.03131	1.22672	2	X
K13G68Y	20.9	0.15	K134I	351.110	110.369	136.982	9.214	0.55447	2.49701	2	S

New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K13C24A	17.3	0.15	K1339	21.522	129.975	350.964	6.689	0.26628	3.06845	69	X
K13C24C	17.4	0.15	K1339	359.906	169.590	349.186	6.548	0.12085	2.41459	69	W
K13C50K	16.7	0.15	K1339	5.799	181.173	359.380	13.836	0.18883	2.60078	65	X
K13C57X	16.7	0.15	K1339	317.376	41.763	171.595	11.900	0.13568	2.69737	66	X
K13C61L	17.3	0.15	K1339	356.748	359.280	162.285	13.469	0.11279	2.79809	66	X
K13C75P	17.7	0.15	K1339	318.263	214.489	354.408	7.780	0.08892	2.30423	66	X
K13C90L	16.4	0.15	K1339	59.851	90.562	351.315	12.422	0.15022	2.67027	64	X
K13CB5M	17.5	0.15	K132H	336.051	38.665	154.953	10.333	0.15155	2.39355	86	X
K13CC2X	16.8	0.15	K1339	308.309	89.704	147.010	14.796	0.15712	2.60234	62	X
K13E00F	17.0	0.15	K1339	69.037	7.549	59.728	26.400	0.22957	2.27488	42	X
K13E17Q	17.9	0.15	K1339	336.658	146.591	67.506	5.499	0.18397	2.26956	40	X
K13E23H	16.5	0.15	K1339	285.076	335.165	317.880	7.385	0.21429	2.55178	37	X
K13E25Y	16.6	0.15	K1339	105.226	244.684	166.596	3.854	0.17575	2.70005	53	X
K13E29W	16.6	0.15	K1339	322.324	199.250	19.271	4.752	0.08521	2.68352	38	X
K13E32J	17.4	0.15	K1339	35.896	117.444	8.724	7.742	0.16666	2.62510	35	X
K13E32Q	16.9	0.15	K1339	282.831	247.267	9.128	7.599	0.04103	2.63472	35	X
K13E33V	16.8	0.15	K1339	353.551	356.481	187.054	9.471	0.17013	2.43279	48	X
K13E36Y	16.1	0.15	K1339	5.744	161.537	4.332	15.164	0.12665	3.16889	66	X
K13E41C	18.5	0.15	K1339	312.574	219.437	351.972	19.268	0.03894	1.84591	32	W
K13E52T	16.9	0.15	K1339	300.343	57.451	187.195	0.568	0.13546	3.12300	48	X
K13E66T	17.3	0.15	K1339	352.513	95.813	88.308	13.419	0.20828	2.56232	63	X
K13E81X	17.3	0.15	K1339	283.724	91.284	171.856	5.346	0.11045	2.41938	64	X
K13E82K	16.7	0.15	K1339	20.558	138.099	4.836	14.472	0.19788	3.17758	38	X
K13E86S	17.1	0.15	K1339	84.109	73.547	5.519	6.622	0.10247	2.39940	32	X
K13E88G	17.0	0.15	K1339	328.582	175.098	43.498	10.596	0.24910	2.63944	37	X
K13E94V	16.8	0.15	K1339	164.797	345.579	22.664	2.737	0.06264	2.85379	35	X
K13E96G	18.0	0.15	K1339	316.000	221.342	4.071	7.704	0.06382	2.30223	35	X
K13EA3B	16.7	0.15	K1339	289.714	166.583	101.970	7.767	0.09351	2.38469	31	X
K13EA5Q	16.8	0.15	K1339	303.027	60.243	176.659	10.972	0.04925	2.60447	64	X
K13EA6G	18.1	0.15	K1339	312.055	198.421	55.200	5.312	0.22177	2.31639	29	X
K13EA6Q	16.7	0.15	K1339	18.510	77.436	84.090	4.891	0.13860	2.63397	29	X
K13EA9V	17.3	0.15	K1339	286.252	206.221	70.738	4.730	0.16274	2.38953	30	W
K13EB1M	17.4	0.15	K1339	285.807	228.819	53.380	5.591	0.20239	2.36948	29	W
K13EB9X	17.4	0.15	K1339	334.325	317.399	265.314	0.862	0.19053	2.40484	50	X
K13EC1D	17.5	0.15	K1339	320.423	241.334	356.726	3.528	0.16011	2.34717	27	X
K13EC6M	18.1	0.15	K133T	351.471	159.348	42.982	6.170	0.17526	2.21820	27	X
K13EC6X	16.6	0.15	K1339	341.282	298.160	274.914	11.884	0.22822	2.67080	36	X
K13F07G	17.6	0.15	K133T	287.979	209.145	80.377	3.027	0.23296	2.28035	24	X
K13F13V	19.3	0.15	K133T	334.754	203.631	19.145	27.178	0.12498	1.78447	18	W
K13F16E	18.2	0.15	K133T	337.707	159.674	60.239	2.876	0.16603	2.30630	8	X
K13F16F	17.5	0.15	K133T	20.161	130.563	27.222	8.682	0.20897	2.81119	8	X
K13F16H	17.1	0.15	K133T	342.893	161.121	54.765	2.004	0.16868	2.67119	8	X
K13F16Z	17.9	0.15	K133T	265.954	142.073	155.138	5.755	0.10882	2.35032	11	W
K13F18B	18.2	0.15	K133T	61.230	106.222	11.317	20.161	0.09737	1.85028	8	X
K13F19W	18.1	0.15	K133T	323.088	76.343	169.241	6.770	0.21348	2.28244	11	X
K13F20O	18.8	0.15	K133T	31.884	326.421	186.601	23.853	0.07216	1.99391	8	X
K13G07P	17.2	0.15	K133T	344.919	222.137	0.934	10.777	0.24846	2.64286	8	X
K13G09Q	17.7	0.15	K133T	327.080	159.191	73.766	3.490	0.15604	2.37229	7	X
K13G09T	16.6	0.15	K133T	277.246	170.655	106.441	5.111	0.05206	2.78176	7	X

K13G10R	16.4	0.15	K133T	282.299	264.601	28.686	10.122	0.16107	2.85148	11	X
K13G10Y	16.1	0.15	K133T	348.307	17.968	192.734	8.541	0.20468	3.18686	10	X
K13G13B	16.9	0.15	K133T	348.368	143.350	61.788	14.650	0.12362	2.59651	9	X
K13G15T	17.8	0.15	K133T	11.909	356.565	167.561	2.789	0.14667	2.46708	8	X
K13G15U	18.0	0.15	K133T	295.157	95.872	165.364	3.470	0.14719	2.39016	8	X
K13G21M	16.9	0.15	K133T	336.828	58.772	162.801	16.182	0.09473	2.52741	6	X
K13G33Z	16.3	0.15	K133T	34.448	184.822	354.847	8.227	0.12744	3.17517	4	X
K13G34M	16.5	0.15	K133T	47.034	86.699	44.075	13.811	0.21854	3.17943	6	X
K13G34N	17.2	0.15	K133T	82.317	351.357	107.185	15.373	0.04040	2.55494	6	X
K13G34O	16.0	0.15	K133T	199.357	253.154	93.005	16.857	0.03068	3.03885	7	X
K13G40E	18.3	0.15	K133T	341.463	192.036	22.405	21.843	0.04401	1.93224	5	X
K13G49V	17.8	0.15	K133T	333.571	62.534	167.459	1.868	0.14112	2.36157	11	X
K13G51X	15.9	0.15	K133T	255.197	290.290	29.801	29.941	0.21093	2.55905	2	X
K13G55H	17.3	0.15	K133T	299.119	239.785	23.297	4.207	0.13637	2.58786	11	W
K13G55R	17.3	0.15	K133T	324.662	170.474	60.831	6.874	0.09750	2.37762	6	W
K13G55W	16.5	0.15	K133T	95.816	16.344	76.006	3.189	0.01992	2.85982	11	W
K13G55Y	17.6	0.15	K133T	340.522	31.479	191.594	5.532	0.21224	3.02460	6	W
K13G55Z	16.2	0.15	K133T	277.728	278.471	14.528	10.385	0.17846	3.18163	11	W
K13G56B	16.3	0.15	K133T	357.901	110.472	83.811	2.449	0.12175	3.08857	11	W
K13G56C	16.2	0.15	K133T	314.938	218.556	23.095	16.198	0.06053	3.19468	10	W
K13G56D	16.2	0.15	K133T	287.393	236.243	49.469	5.452	0.18139	3.14264	10	W
K13G56F	16.1	0.15	K133T	122.756	29.395	31.274	11.808	0.11445	3.07333	6	W
K13G56G	16.4	0.15	K133T	15.499	4.600	172.147	5.480	0.07742	3.10041	11	W
K13G56H	16.8	0.15	K133T	74.666	322.210	151.274	4.570	0.05598	2.80746	10	W
K13G56V	18.3	0.15	K133T	355.089	166.803	32.297	10.000	0.23832	2.72334	11	W
K13G56W	16.6	0.15	K133T	276.880	111.075	182.114	14.985	0.17582	2.67973	11	W
K13G56X	17.5	0.15	K133T	337.056	206.797	16.399	8.167	0.16511	2.77779	11	W
K13G56Y	16.6	0.15	K133T	37.291	359.150	145.189	1.863	0.12375	3.22020	11	W
K13G57C	17.1	0.15	K133T	4.005	123.150	63.435	3.880	0.02363	2.62026	11	W
K13G57D	16.7	0.15	K133T	27.939	349.349	168.886	9.297	0.09299	3.03080	9	W
K13G57E	17.0	0.15	K133T	295.584	84.971	186.583	12.027	0.14565	2.73121	11	W
K13G57J	17.4	0.15	K133T	288.517	221.843	55.425	13.342	0.23875	2.56299	11	W
K13G58C	18.2	0.15	K133T	66.370	60.170	50.556	3.179	0.14021	2.38343	10	W
K13G58D	18.0	0.15	K133T	23.784	335.411	191.116	18.856	0.04143	1.87990	6	W
K13G58J	16.6	0.15	K133T	144.749	8.091	35.723	6.346	0.05931	2.61289	6	W
K13G58K	17.1	0.15	K133T	113.346	292.146	138.347	2.549	0.08623	2.63003	10	W
K13G58R	16.7	0.15	K133T	285.139	210.988	68.859	1.280	0.09142	3.16907	11	W
K13G58S	17.2	0.15	K133T	37.062	102.693	42.671	1.610	0.13941	2.30313	11	W
K13G58W	18.3	0.15	K133T	344.823	23.519	191.330	8.974	0.16473	2.64614	11	W
K13G58Z	17.9	0.15	K133T	93.428	260.371	185.809	4.866	0.11607	2.32379	11	W
K13G59B	16.9	0.15	K133T	14.389	153.589	23.508	10.472	0.05068	3.18226	11	W
K13G59C	18.4	0.15	K133T	300.800	260.229	21.753	11.066	0.26829	2.37327	5	W
K13G59D	17.6	0.15	K133T	28.682	128.007	24.608	7.733	0.16728	2.56139	11	W
K13G59G	16.9	0.15	K133T	248.533	293.724	16.685	14.263	0.05483	2.70565	11	W
K13G59H	16.6	0.15	K133T	269.610	107.871	187.462	5.103	0.10176	2.43649	11	W
K13G59L	16.0	0.15	K133T	3.189	359.747	188.949	11.120	0.12656	3.99638	11	W
K13G59T	15.8	0.15	K133T	179.467	358.539	17.797	12.067	0.42179	2.32113	11	W
K13G59V	17.4	0.15	K133T	28.843	325.815	187.216	3.478	0.17643	2.56452	11	W
K13G59W	16.9	0.15	K133T	348.503	193.549	14.169	2.454	0.04398	2.96841	11	W
K13G60B	15.7	0.15	K133T	214.312	321.137	25.437	6.765	0.04834	2.79199	10	W
K13G60E	18.2	0.15	K133T	358.376	166.968	29.488	3.372	0.19015	2.35680	11	W
K13G60J	15.2	0.15	K133T	178.895	358.708	19.056	33.588	0.44975	2.55315	10	W
K13G60L	17.3	0.15	K133T	6.230	170.527	18.340	1.194	0.15472	3.06938	5	W
K13G60N	17.0	0.15	K133T	294.969	196.989	81.400	5.161	0.21646	2.56417	6	W
K13G60R	17.1	0.15	K133T	82.182	263.369	201.579	4.090	0.08903	2.55178	9	W
K13G60Z	16.6	0.15	K133T	330.023	153.240	83.482	2.415	0.14152	3.09101	9	W
K13G61L	17.2	0.15	K133T	345.830	29.294	186.872	4.799	0.20481	2.41873	11	W
K13G61M	16.7	0.15	K133T	275.928	105.830	185.221	5.306	0.09140	2.88865	10	W
K13G61V	17.8	0.15	K133T	19.917	351.103	176.284	3.571	0.15747	2.55847	11	W
K13G62G	16.5	0.15	K133T	274.793	259.838	30.813	11.369	0.08353	2.99238	4	W
K13G62H	18.6	0.15	K133T	278.787	241.558	54.539	3.413	0.17277	2.15846	4	W
K13G62O	15.3	0.15	K133T	96.340	63.647	25.892	10.130	0.09132	3.17460	5	X
K13G62S	17.2	0.15	K133T	33.898	115.420	40.674	7.922	0.09029	3.25608	4	W
K13G63C	16.8	0.15	K133T	35.253	310.487	194.280	12.405	0.20309	2.67091	10	W
K13G63L	18.5	0.15	K133T	359.730	356.059	201.028	4.938	0.19256	2.84624	5	W
K13G63S	18.2	0.15	K133T	352.803	190.502	16.561	20.621	0.04035	1.92935	3	X
K13G63Y	17.7	0.15	K133T	91.854	172.899	283.449	2.554	0.10031	2.26159	2	W
K13G64A	16.9	0.15	K133T	39.704	294.115	214.692	26.213	0.13699	2.41757	3	X
K13G66C	18.7	0.15	K133T	348.991	93.863	116.993	0.933	0.12935	2.37850	5	W
K13G66F	19.2	0.15	K133T	230.931	316.986	24.965	23.662	0.18237	1.94676	2	EX
K13G66G	18.3	0.15	K133T	3.818	308.280	238.255	26.283	0.09112	1.85616	1	EX
K13G66J	17.6	0.15	K133T	237.326	255.854	47.024	29.948	0.13823	2.30463	6	X
K13G66K	18.6	0.15	K133T	192.269	174.677	196.475	22.625	0.10123	1.93350	1	EX
K13G66L	19.4	0.15	K133T	168.548	189.997	202.938	21.625	0.08751	1.84986	3	X
K13G66M	16.5	0.15	K133T	140.120	328.450	141.332	28.266	0.18183	1.83599	1	EX
K13G66N	19.1	0.15	K133T	250.534	133.987	186.645	21.411	0.15963	1.90126	1	EX
K13G66O	18.8	0.15	K133T	334.681	212.533	18.452	34.019	0.23297	2.14003	18	ES

K13G66P	17.6	0.15	K133T	75.324	209.085	264.180	15.846	0.14208	1.95948	1EX
K13G66Q	16.3	0.15	K133T	9.161	253.166	278.131	20.508	0.41428	3.06437	2ES
K13G66V	16.5	0.15	K133T	95.621	17.854	67.624	14.766	0.09205	2.69928	7 X
K13G67M	17.9	0.15	K133T	84.624	1.880	69.625	21.268	0.15900	1.82716	6 W
K13G67N	17.7	0.15	K133T	19.030	124.506	46.499	3.495	0.12102	2.43481	10 W
K13G68A	16.4	0.15	K133T	13.278	32.146	144.445	11.471	0.16159	3.19020	4 X
K13G68Q	18.6	0.15	K133T	346.507	68.559	196.944	16.560	0.57139	3.39601	1ES
K13G68R	18.2	0.15	K133T	338.671	199.599	44.154	6.246	0.31024	2.16879	2 X
K13G68S	17.9	0.15	K133T	173.955	341.547	42.870	24.707	0.03008	1.92225	1EX
K13G68T	18.3	0.15	K133T	54.208	79.181	42.161	20.548	0.19085	1.88822	2 X

New observations:

K02G00S	C2013	04	12.24686	12	24	24.04	+27	58	16.8	18.9	VuEG066703
K02G00S	C2013	04	12.25353	12	24	22.03	+27	58	11.0	18.7	VuEG066703
K02G00S	C2013	04	12.26030	12	24	19.94	+27	58	05.8	19.2	VuEG066703
K07C26N	C2013	04	12.26469	11	51	20.76	+21	16	24.5	19.9	rNEG066I41
K07C26N	C2013	04	12.29455	11	51	17.44	+21	17	19.3	19.9	rNEG066I41
K07C26N	C2013	04	12.32519	11	51	14.07	+21	18	14.9	19.9	rNEG066I41
K07T18Y	C2013	04	12.36972	14	27	57.85	-22	14	00.6	19.6	RcEG066926
K07T18Y	C2013	04	12.38758	14	27	56.74	-22	14	05.5	19.3	RcEG066926
K07T18Y	C2013	04	12.40321	14	27	55.70	-22	14	09.9	19.5	RcEG066926
K09SA4Q	C2013	04	13.10391	07	19	08.13	+53	25	38.8	19.0	RqEG066H45
K09SA4Q	C2013	04	13.10567	07	19	10.05	+53	25	37.0	19.0	RqEG066H45
K09SA4Q	C2013	04	13.10643	07	19	10.97	+53	25	36.0	19.0	RqEG066H45
K09SA4Q	C2013	04	13.10736	07	19	11.91	+53	25	34.9	19.1	RqEG066H45
K09SA4Q	C2013	04	13.10830	07	19	12.86	+53	25	34.4	19.1	RqEG066H45
K09SA4Q	C2013	04	13.10927	07	19	13.90	+53	25	32.5	19.0	RqEG066H45
K09SA4Q	C2013	04	13.11014	07	19	14.85	+53	25	31.3	19.1	RqEG066H45
K09SA4Q	C2013	04	13.11133	07	19	16.14	+53	25	30.2	19.1	RqEG066H45
K09U03M	C2013	04	12.79190	08	27	46.79	+51	50	51.7	16.8	RaEG066233
K09U03M	C2013	04	12.79424	08	27	44.24	+51	51	03.0	16.6	RaEG066233
K09U03M	C2013	04	12.80176	08	27	36.28	+51	51	39.1	16.5	RaEG066233
K09U03M	C2013	04	13.14527	08	21	27.28	+52	18	41.9	17.1	RqEG066H45
K09U03M	C2013	04	13.14585	08	21	26.64	+52	18	44.6	17.3	RqEG066H45
K09U03M	C2013	04	13.14652	08	21	25.92	+52	18	47.4	17.1	RqEG066H45
K09U03M	C2013	04	13.14739	08	21	24.95	+52	18	51.4	17.3	RqEG066H45
K09U03M	C2013	04	13.14937	08	21	22.79	+52	19	00.5	17.2	RqEG066H45
K09U03M	C2013	04	13.15008	08	21	22.03	+52	19	03.3	17.3	RqEG066H45
K10L14F	C2013	04	12.48912	14	00	17.849	-21	24	06.85	21.0	wLEG066F51
K10L14F	C2013	04	12.50299	14	00	19.992	-21	24	23.48	21.1	wLEG066F51
K10L14F	C2013	04	12.51683	14	00	22.198	-21	24	40.08	21.2	wLEG066F51
K11SH3D	C2013	04	13.13555	08	19	54.17	+15	05	59.4	19.5	RqEG066H45
K11SH3D	C2013	04	13.13804	08	19	53.97	+15	06	02.7	19.4	RqEG066H45
K11SH3D	C2013	04	13.13900	08	19	53.86	+15	06	02.9	19.6	RqEG066H45
K11SH3D	C2013	04	13.14060	08	19	53.79	+15	06	04.7	19.6	RqEG066H45
K11SH3D	C2013	04	13.14212	08	19	53.64	+15	06	07.2	19.7	RqEG066H45
K12Q100	C2013	04	12.45015	11	53	19.39	-16	22	26.7	19.1	VrEG066E12
K12Q100	C2013	04	12.46218	11	53	19.03	-16	22	11.8	18.9	VrEG066E12
K12Q100	C2013	04	12.47452	11	53	18.60	-16	21	56.3	18.9	VrEG066E12
K12Q100	C2013	04	12.49353	11	53	18.02	-16	21	32.7	18.9	VrEG066E12
K12X06Y	C2013	04	13.12688	07	44	11.24	+11	52	44.2	19.1	RqEG066H45
K12X06Y	C2013	04	13.12791	07	44	11.54	+11	52	40.8	19.0	RqEG066H45
K12X06Y	C2013	04	13.12903	07	44	11.90	+11	52	38.1	19.1	RqEG066H45
K12X06Y	C2013	04	13.13010	07	44	12.28	+11	52	34.7	19.0	RqEG066H45
K12X06Y	C2013	04	13.13124	07	44	12.65	+11	52	31.5	19.1	RqEG066H45
K12X06Y	C2013	04	13.13225	07	44	12.96	+11	52	28.8	19.1	RqEG066H45
K12X06Y	C2013	04	13.13330	07	44	13.33	+11	52	26.0	19.0	RqEG066H45
K12X06Y	C2013	04	13.13445	07	44	13.72	+11	52	22.4	19.0	RqEG066H45
K13B18F	KC2013	04	13.18608	06	31	02.85	+35	56	47.0	20.9	RoEG066291
K13B18F	KC2013	04	13.19042	06	31	03.14	+35	56	47.9	21.1	RoEG066291
K13B18F	KC2013	04	13.19476	06	31	03.42	+35	56	48.4	21.0	RoEG066291
K13E28K	JC2013	04	12.32386	13	46	06.71	+12	49	16.6	20.3	RoEG066695
K13E28K	JC2013	04	12.32517	13	46	06.97	+12	49	15.7	20.3	RoEG066695
K13E28K	JC2013	04	12.32648	13	46	07.24	+12	49	15.6	20.2	RoEG066695
K13E89S	C2013	04	11.97421	11	59	37.41	-25	57	32.0	18.2	VuEG066807
K13E89S	C2013	04	11.97667	11	59	37.15	-25	57	35.2	18.3	VuEG066807
K13E89S	C2013	04	11.97914	11	59	36.88	-25	57	38.6	18.2	VuEG066807
K13E89S	C2013	04	11.98162	11	59	36.64	-25	57	43.1	18.5	VuEG066807
K13EA8V	C2013	04	12.28292	09	13	52.14	+52	58	27.8	17.3	VuEG066703
K13EA8V	C2013	04	12.28747	09	13	43.53	+52	58	53.2	17.6	VuEG066703
K13EA8V	KC2013	04	12.80037	08	57	19.02	+53	50	00.8	17.3	RcEG066A53
K13EA8V	KC2013	04	12.80228	08	57	14.91	+53	50	11.6	17.1	RcEG066A53
K13EA8V	KC2013	04	12.80429	08	57	10.59	+53	50	22.7	17.1	RcEG066A53
K13EA8V	KC2013	04	12.80630	08	57	06.29	+53	50	35.0	17.0	RcEG066A53
K13EA8V	C2013	04	13.12443	08	45	43.80	+54	19	45.6	17.5	rEG066718
K13EA8V	C2013	04	13.12626	08	45	39.56	+54	19	55.3	17.5	rEG066718
K13EA8V	C2013	04	13.12808	08	45	35.38	+54	20	04.6	17.5	rEG066718

K13EA8V	C2013	04	13.15178	08	44	35.67	+54	22	05.6	17.6	RqEG066H45
K13EA8V	C2013	04	13.15236	08	44	34.27	+54	22	09.1	17.5	RqEG066H45
K13EA8V	C2013	04	13.15329	08	44	32.12	+54	22	13.4	17.6	RqEG066H45
K13EA8V	C2013	04	13.15408	08	44	30.29	+54	22	16.8	17.6	RqEG066H45
K13EA8V	C2013	04	13.15474	08	44	28.78	+54	22	20.2	17.7	RqEG066H45
K13EA8V	C2013	04	13.15512	08	44	27.87	+54	22	22.3	17.7	RqEG066H45
K13EA8V	C2013	04	13.15666	08	44	24.26	+54	22	29.4	17.8	RqEG066H45
K13EA8V	C2013	04	13.15730	08	44	22.79	+54	22	32.5	17.6	RqEG066H45
K13EA8V	C2013	04	13.15805	08	44	21.09	+54	22	36.0	17.7	RqEG066H45
K13EA8V	C2013	04	13.15898	08	44	18.92	+54	22	40.3	17.6	RqEG066H45
K13EC60	KC2013	04	12.81605	10	46	14.15	+31	16	03.4	16.2	RcEG066A53
K13EC60	KC2013	04	12.81796	10	46	11.39	+31	16	30.0	16.5	RcEG066A53
K13EC60	KC2013	04	12.81998	10	46	08.47	+31	16	58.8	16.7	RcEG066A53
K13EC60	KC2013	04	12.82199	10	46	05.60	+31	17	26.7	16.5	RcEG066A53
K13EC60	KC2013	04	12.82401	10	46	02.74	+31	17	55.0	16.3	RcEG066A53
K13EC60	C2013	04	13.13760	10	38	28.58	+32	31	17.3	16.9	rEG066718
K13EC60	C2013	04	13.13851	10	38	27.13	+32	31	29.2	16.6	rEG066718
K13EC60	C2013	04	13.13942	10	38	25.71	+32	31	43.1	17.1	rEG066718
K13EC60	KC2013	04	13.14006	10	38	22.20	+32	31	58.9	16.5	VrEG066850
K13EC60	KC2013	04	13.15398	10	38	00.91	+32	35	17.4	16.7	VrEG066850
K13EC60	KC2013	04	13.16805	10	37	39.24	+32	38	35.6	16.6	VrEG066850
K13G00J	QC2013	04	12.78921721	53	59.23	-68	58	52.8		20.3	VqEG066E12
K13G03M	KC2013	04	12.19689	09	01	47.78	+16	57	56.3	22.1	RoEG066291
K13G03M	KC2013	04	12.21697	09	01	29.39	+16	59	05.9	21.7	RoEG066291
K13G08L	KC2013	04	13.17443	05	51	28.00	+25	27	33.0	20.7	RoEG066291
K13G08L	KC2013	04	13.17754	05	51	29.10	+25	27	32.0	20.8	RoEG066291
K13G23F	KC2013	04	13.09820	12	49	44.72	+16	33	52.2	20.0	RqEG066H36
K13G23F	KC2013	04	13.11161	12	49	41.35	+16	36	28.2	20.6	RqEG066H36
K13G23F	KC2013	04	13.12404	12	49	38.07	+16	38	54.9	20.4	RqEG066H36
K13G23H	2C2013	04	12.44064911	36	55.925	-23	30	48.12		20.2	RtEG066568
K13G23H	2C2013	04	12.44495311	36	55.237	-23	31	23.42		20.1	RtEG066568
K13G35J	QC2013	04	12.79968	20	29	57.85	-45	42	15.2	19.4	VqEG066E12
K13G35J	QC2013	04	12.80343	20	29	57.99	-45	42	13.9	19.1	VqEG066E12
K13G38Q	C2013	04	12.06561	11	27	44.09	-06	26	08.7	20.2	VuEG066807
K13G38Q	C2013	04	12.06808	11	27	44.10	-06	25	59.6	20.1	VuEG066807
K13G38Q	C2013	04	12.07056	11	27	44.13	-06	25	51.0	20.2	VuEG066807
K13G38Q	C2013	04	12.07304	11	27	44.22	-06	25	42.5	20.3	VuEG066807
K13G38Q	C2013	04	12.07553	11	27	44.24	-06	25	34.2	19.9	VuEG066807
K13G38R	C2013	04	12.18040	12	34	22.67	-13	23	00.7	19.9	VuEG066807
K13G38R	C2013	04	12.18463	12	34	21.97	-13	22	56.4	19.8	VuEG066807
K13G38R	C2013	04	12.18675	12	34	21.61	-13	22	53.4	19.6	VuEG066807
K13G38R	C2013	04	12.18887	12	34	21.27	-13	22	51.4	19.7	VuEG066807
K13G38S	KC2013	04	12.32446	11	51	21.93	+15	10	18.6	21.2	RoEG066291
K13G38S	KC2013	04	12.32775	11	51	21.60	+15	10	20.6	21.0	RoEG066291
K13G38U	C2013	04	12.08471	11	22	47.14	-10	16	28.9	20.5	VuEG066807
K13G38U	C2013	04	12.08703	11	22	47.05	-10	16	23.0	20.6	VuEG066807
K13G38U	C2013	04	12.08934	11	22	46.95	-10	16	17.1	20.6	VuEG066807
K13G38U	C2013	04	12.09165	11	22	46.84	-10	16	11.0	20.4	VuEG066807
K13G38U	C2013	04	12.09395	11	22	46.75	-10	16	04.9	20.6	VuEG066807
K13G38U	C2013	04	12.97584	11	22	19.23	-09	37	43.0	20.5	VuEG066807
K13G38U	C2013	04	12.97833	11	22	19.16	-09	37	36.3	20.5	VuEG066807
K13G38U	C2013	04	12.98082	11	22	19.06	-09	37	29.9	20.4	VuEG066807
K13G55C	C2013	04	12.16506	12	28	54.30	+05	28	18.8	19.8	VuEG066807
K13G55C	C2013	04	12.16795	12	28	52.93	+05	27	25.3	20.0	VuEG066807
K13G55C	C2013	04	12.17063	12	28	51.65	+05	26	35.5	20.2	VuEG066807
K13G55C	C2013	04	12.17313	12	28	50.49	+05	25	49.3	20.1	VuEG066807
K13G55C	C2013	04	12.17563	12	28	49.31	+05	25	02.6	19.8	VuEG066807
K13G68V	KC2013	04	13.06789	15	00	10.85	-02	32	08.6	16.9	RuEG066958
K13G68V	KC2013	04	13.07530	15	00	07.68	-02	31	57.1	17.1	RuEG066958
K13G68V	KC2013	04	13.08271	15	00	04.54	-02	31	45.8	17.2	RuEG066958
K13G68X	C2013	04	13.07896	13	07	18.58	-03	13	59.3	20.3	VuEG066807
K13G68X	C2013	04	13.08204	13	07	17.98	-03	14	06.2	20.4	VuEG066807
K13G68X	C2013	04	13.08512	13	07	17.39	-03	14	12.9	20.4	VuEG066807
K13G68X	C2013	04	13.08819	13	07	16.81	-03	14	19.8	20.2	VuEG066807
K13G68X	C2013	04	13.09127	13	07	16.22	-03	14	26.6	20.3	VuEG066807
01036	C2013	04	12.80938	08	50	48.67	-11	16	03.1	15.3	RaEG066233
01036	C2013	04	12.82523	08	50	48.72	-11	15	55.2	15.3	RaEG066233
01036	C2013	04	12.83017	08	50	48.74	-11	15	52.9	15.3	RaEG066233
03752	C2013	04	12.88492	11	56	47.34	+82	41	31.2	17.0	RaEG066233
03752	C2013	04	12.90076	11	56	45.80	+82	41	24.6	17.0	RaEG066233
03752	C2013	04	12.90897	11	56	44.94	+82	41	21.1	17.1	RaEG066233
05693	C2013	04	12.54741	10	55	53.93	+16	11	35.1	19.5	RrEG066D29
05693	C2013	04	12.56429	10	55	52.74	+16	11	37.9	19.3	RrEG066D29
05693	C2013	04	12.58117	10	55	51.55	+16	11	41.0	19.3	RrEG066D29
07888	C2013	04	11.84020	14	13	59.44	+64	47	57.8	15.6	RmEG066006
07888	C2013	04	11.84590	14	13	59.35	+64	47	36.5	15.4	RmEG066006
07888	C2013	04	11.85161	14	13	59.25	+64	47	16.1	15.7	RmEG066006

68063	C2013 04 07.18460 12 55 45.77 -14 21 57.0	19.5 RcEG066926
68063	C2013 04 07.20020 12 55 44.82 -14 21 52.1	19.6 RcEG066926
68063	C2013 04 07.21628 12 55 43.86 -14 21 47.2	19.6 RcEG066926
68278	C2013 04 12.54109 10 50 56.12 +13 48 15.7	19.9 RrEG066D29
68278	C2013 04 12.55796 10 50 55.51 +13 48 15.4	19.7 RrEG066D29
68278	C2013 04 12.57484 10 50 54.99 +13 48 15.3	19.5 RrEG066D29
99942	8C2013 04 12.29485207 39 00.954+17 44 41.87	18.5 RtEG066F65
99942	8C2013 04 12.29697207 39 01.168+17 44 42.62	18.4 RtEG066F65
99942	KC2013 04 12.82081 07 39 59.86 +17 48 12.9	19.1 RuEG066B88
99942	KC2013 04 12.84585 07 40 02.50 +17 48 22.0	18.8 RuEG066B88
99942	KC2013 04 12.87872 07 40 05.81 +17 48 34.4	17.8 RuEG066B88
G3001	C2013 04 12.49307 14 19 46.822-17 11 30.72	21.3 wLEG066F51
G3001	C2013 04 12.50694 14 19 45.934-17 11 20.77	21.4 wLEG066F51
G3001	C2013 04 12.52081 14 19 45.084-17 11 10.04	21.4 wLEG066F51
R4855	1C2013 04 12.07057 12 06 50.34 +09 38 25.9	17.8 VqEG066G40
R4855	1C2013 04 12.08438 12 06 49.86 +09 38 54.4	17.7 VqEG066G40
R4855	1C2013 04 12.09853 12 06 49.40 +09 39 23.6	17.4 VqEG066G40
Z4952	C2013 04 07.37281 14 10 04.48 -03 48 14.8	18.4 RcEG066926
Z4952	C2013 04 07.38838 14 10 04.49 -03 48 00.2	18.5 RcEG066926
Z4952	C2013 04 07.40618 14 10 04.52 -03 47 43.4	18.4 RcEG066926
Z6285	C2013 04 12.33750 14 27 00.54 +09 42 37.9	19.9 VuEG066G96
Z6285	C2013 04 12.34192 14 27 00.21 +09 42 42.6	19.8 VuEG066G96
Z6285	C2013 04 12.34633 14 26 59.92 +09 42 47.0	20.2 VuEG066G96
Z6285	C2013 04 12.35080 14 26 59.64 +09 42 51.7	19.6 VuEG066G96
Z6285	C2013 04 12.40120 14 26 56.32 +09 43 43.2	19.5 VuEG066G96
Z6285	C2013 04 12.40423 14 26 56.11 +09 43 46.8	19.8 VuEG066G96
Z6285	C2013 04 12.40726 14 26 55.89 +09 43 49.9	19.9 VuEG066G96
Z6285	C2013 04 12.41028 14 26 55.71 +09 43 53.2	20.3 VuEG066G96
Z6285	C2013 04 12.41331 14 26 55.53 +09 43 56.1	19.9 VuEG066G96

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