MPEC 2013-L44 : DAILY ORBIT UPDATE (2013 JUNE 10 UT)

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Update to MPEC 2013-L42

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

K02PK2D	K06HF0R		MPCW
K02PK2G	K11Y64R		MPCW
K02QF4N	K13E29L		MPCW
K02QF4Q	K06HB2L	K10F52W	MPCW
K02QF4V	K08V56G		MPCW
K02TA7J	K08WD7X	K10C95N	MPCW
K02TB6O	K08Y04D		MPCW
K02TL2V	K06K61V		MPCW
K02TL3C	K10J42V		MPCW
K02TL8Z	K09B04R		MPCW
K02TN2O	K10P56B		MPCW
K02TO9H	K10M15O		MPCW
K02TP2S	K10H12L	K11F59M	MPCW
K02TP5J	K10P14K		MPCW
K02TQ3A	K08YG0W		MPCW
K02TQ3J	K10C85H		MPCW
K02VE8K	K10V37L		MPCW
K04J04E	K13L11E		MPCW
K05G79W	K13L09A		MPCW
K05S89U	K13L13A		MPCW
K05YC8C	K13L13Q		MPCW
K07Td4A	K13L08J		MPCW
K08FA9K	K13L09U		MPCW
K08H50N	K13L11P		MPCW
K09A33N	K13L13D		MPCW
K09BI4Z	K13L12P		MPCW
K09J05P	K13L07P		MPCR
K09S99N	K13L12X		MPCW
K10F60P	K13L14G		MPCW
K10TG8Y	K13L11W		MPCW
K12BB5R	K13L15Q		MPCW
K12BD0Y	K13L08X		MPCW

New double designation:

K09X08W	K10E03K		Testa

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J93T17H	17.2	0.15	K134I	234.967	319.742	31.139	4.879	0.25961	2.61711	6	W
J98R11R	16.1	0.15	K134I	274.865	304.461	11.127	11.229	0.23063	3.10456	4	W
J99T84D	18.5	0.15	K134I	308.694	32.350	275.484	1.980	0.24724	2.36379	4	X
J99TO3Y	16.8	0.15	K134I	336.618	116.290	222.160	7.314	0.29869	2.78910	6	X
J99TX2R	16.5	0.15	K134I	175.891	12.032	19.373	10.457	0.09603	3.08299	6	W
J99V89O	16.3	0.15	K134I	213.260	149.591	214.375	13.211	0.26657	3.04410	4	W
J99VA0Z	17.1	0.15	K134I	249.902	108.239	232.153	5.434	0.21787	2.42402	5	W
J99VK7F	16.5	0.15	K134I	181.865	162.816	217.466	5.662	0.12033	3.13389	5	W
K00GB7O	17.3	0.15	K134I	67.362	120.614	356.249	5.556	0.18065	2.63320	4	W
K00GE7D	20.3	0.15	K134I	2.430	182.188	357.467	7.093	0.54890	1.89337	6	X
K00QE4W	18.0	0.15	K134I	253.561	334.607	6.535	5.850	0.29283	2.26994	3	W
K00R57U	17.9	0.15	K134I	227.504	27.244	331.054	3.891	0.21309	2.29580	5	W
K00SA2F	18.0	0.15	K134I	260.360	108.608	229.285	1.390	0.32446	2.26501	4	W
K00SD1C	17.3	0.15	K134I	309.553	109.365	214.835	13.294	0.34736	2.70878	3	X
K00SI1A	18.6	0.15	K134I	187.473	41.388	336.483	0.930	0.19828	2.32517	5	W

K00SI2Z	18.8	0.15	K134I	246.652	348.794	356.779	4.691	0.23961	2.27915	3	W
K00U92B	17.5	0.15	K134I	196.644	7.931	4.725	7.393	0.14254	2.33602	5	W
K01D81P	19.4	0.15	K134I	0.606	73.802	146.279	7.858	0.20081	1.77193	3	X
K01H17E	17.5	0.15	K134I	188.728	167.052	214.079	5.885	0.06735	2.52461	4	W
K01Q39E	16.8	0.15	K134I	207.194	33.711	335.213	8.386	0.33338	2.68947	4	W
K01QO6F	17.1	0.15	K134I	197.882	8.615	8.820	9.557	0.34725	2.73485	4	W
K01R18C	16.6	0.15	K134I	293.335	298.792	24.321	30.121	0.38671	2.60229	2	W
K01RE9O	17.0	0.15	K134I	268.645	165.030	176.905	9.541	0.11877	2.62062	5	X
K01SA1V	18.2	0.15	K134I	150.619	56.616	351.902	6.668	0.10071	2.20694	5	W
K01SC2L	18.7	0.15	K134I	208.179	110.574	252.456	3.260	0.18336	2.18374	5	W
K01SJ9L	16.8	0.15	K134I	303.277	268.114	14.606	4.669	0.20117	2.64167	6	W
K01SU5X	16.7	0.15	K134I	176.797	20.007	7.607	14.931	0.28968	2.77859	4	W
K01T20C	16.1	0.15	K134I	198.081	359.594	12.765	16.874	0.29027	2.76071	3	W
K01T87N	16.9	0.15	K134I	243.848	101.237	237.274	6.403	0.14221	2.70115	6	X
K01TA9Z	17.5	0.15	K134I	205.372	6.700	4.206	5.363	0.17350	2.19660	5	W
K01TF3L	17.2	0.15	K134I	274.324	173.768	173.370	7.745	0.21054	2.63165	4	X
K01TF3Q	16.6	0.15	K134I	196.050	149.260	227.908	13.368	0.19731	2.73832	4	W
K01TG3F	18.0	0.15	K134I	172.884	42.428	349.369	3.660	0.21310	2.76576	5	W
K01TK9D	15.9	0.15	K134I	273.008	113.283	216.051	21.793	0.36919	2.66014	4	W
K01U62U	17.1	0.15	K134I	280.753	295.255	16.392	13.526	0.19030	2.67233	5	W
K01U63Q	18.4	0.15	K134I	245.135	5.527	333.277	1.622	0.23717	2.17218	4	W
K01U80Y	16.5	0.15	K134I	223.810	154.501	216.452	13.543	0.14039	2.71929	6	X
K01UD2Y	16.9	0.15	K134I	166.191	21.551	14.509	5.508	0.17021	2.77642	6	W
K01UG3B	16.6	0.15	K134I	125.603	197.839	224.640	7.874	0.18196	2.86343	6	W
K01UJ8D	19.1	0.15	K134I	259.524	22.943	302.640	1.892	0.21050	2.16219	4	W
K01V54T	17.6	0.15	K134I	197.578	7.394	5.442	6.042	0.18567	2.20787	6	X
K01V79H	17.6	0.15	K134I	207.277	124.353	242.130	5.747	0.19210	2.20758	6	W
K01VB2O	18.2	0.15	K134I	216.428	55.154	308.596	2.637	0.30216	2.19382	4	W
K01W20Y	17.0	0.15	K134I	218.830	131.971	225.809	9.149	0.24568	2.73268	3	W
K01XG8U	17.2	0.15	K134I	84.922	208.569	257.000	3.619	0.13386	2.28989	4	X
K02AB3O	18.4	0.15	K134I	112.310	171.062	266.016	2.611	0.20535	2.29286	4	W
K02AB6B	18.3	0.15	K134I	87.926	150.144	303.739	4.446	0.20751	2.31436	5	W
K02C44E	17.9	0.15	K134I	222.803	227.255	140.308	24.206	0.03944	1.90425	5	X
K02G29Q	17.3	0.15	K134I	20.526	180.239	0.301	8.483	0.14372	3.02880	2	W
K02G45S	16.9	0.15	K134I	317.407	66.200	209.336	21.503	0.24728	2.38814	3	W
K02GG9T	16.3	0.15	K134I	297.566	69.061	219.740	14.506	0.21204	3.13951	4	W
K02GJ0H	16.1	0.15	K134I	321.465	246.361	24.314	22.476	0.23698	3.12352	3	W
K02K03Q	16.3	0.15	K134I	347.319	64.601	187.031	26.346	0.25808	3.12373	3	X
K02N53W	17.9	0.15	K134I	308.965	4.493	297.438	0.732	0.18915	2.41430	6	X
K02N80V	15.5	0.15	K134I	338.564	98.018	213.215	16.617	0.14716	3.12325	6	X
K02O33V	17.0	0.15	K134I	260.916	214.825	138.119	12.152	0.18079	2.44281	5	X
K02P07R	17.8	0.15	K134I	304.943	175.881	145.344	13.226	0.29285	2.41496	2	X
K02P25B	17.5	0.15	K134I	291.422	167.939	144.935	8.353	0.20928	2.44158	4	X
K02PK2D	16.9	0.15	K134I	303.725	142.901	235.231	1.705	0.09808	3.08459	2	W
K02PK2G	17.0	0.15	K134I	167.243	15.612	10.636	3.852	0.18955	2.56849	2	W
K02Q07D	18.0	0.15	K134I	288.238	197.175	198.008	11.636	0.64760	2.42145	4	X
K02QF4N	17.2	0.15	K134I	177.261	185.872	173.306	6.050	0.24987	2.59505	2	W
K02QF4Q	16.2	0.15	K134I	114.280	70.143	160.556	8.557	0.08567	2.97066	3	W
K02QF4V	16.0	0.15	K134I	331.242	356.851	352.412	10.226	0.21154	3.11996	2	W
K02R80Q	16.1	0.15	K134I	258.634	349.604	342.946	8.709	0.23618	3.42027	4	W
K02RO6G	18.4	0.15	K134I	191.596	10.161	10.390	2.759	0.18385	2.54381	5	W
K02T19Z	17.7	0.15	K134I	140.910	56.257	356.875	3.274	0.25386	2.63779	5	W
K02T52J	16.9	0.15	K134I	217.617	130.639	231.981	5.762	0.36697	2.56553	5	W
K02TA7J	16.0	0.15	K134I	326.771	168.968	197.978	0.651	0.15671	3.18387	3	W
K02TB6O	15.5	0.15	K134I	349.759	140.117	264.187	8.653	0.15813	2.99489	2	W
K02TL2V	17.1	0.15	K134I	90.724	263.055	94.339	11.086	0.32417	2.80405	2	W
K02TL3C	15.8	0.15	K134I	323.273	271.338	102.882	18.108	0.20676	3.13825	2	W
K02TL8Z	15.1	0.15	K134I	0.118	164.877	239.995	8.898	0.09947	2.95008	2	W
K02TN2O	16.1	0.15	K134I	188.793	79.335	249.832	10.294	0.31960	2.63438	2	W
K02TO9H	16.6	0.15	K134I	294.752	230.504	203.281	7.847	0.18807	3.09554	2	W
K02TP2S	15.8	0.15	K134I	344.568	345.280	3.585	12.520	0.08752	3.09878	3	W
K02TP5J	16.9	0.15	K134I	179.660	357.133	328.054	9.345	0.27380	2.65881	2	W
K02TQ3A	15.3	0.15	K134I	323.117	29.234	24.476	10.981	0.14633	3.06387	2	W
K02TQ3J	16.3	0.15	K134I	316.425	264.967	126.154	0.043	0.16970	3.10868	2	W
K02V13O	17.1	0.15	K134I	166.102	163.393	230.706	9.448	0.21103	2.64527	5	W
K02VC8Z	17.6	0.15	K134I	119.795	199.149	239.564	2.022	0.11586	2.66767	7	W
K02VE8K	16.7	0.15	K134I	178.172	91.782	351.758	3.984	0.16151	2.55068	2	W
K02W29Z	15.9	0.15	K134I	338.191	165.337	87.364	10.188	0.15337	2.61559	7	X
K03G21U	19.4	0.15	K134I	210.577	330.579	29.451	22.258	0.04634	1.83667	3	W
K03L07L	18.0	0.15	K134I	155.280	206.076	203.845	1.908	0.08950	2.99416	4	W
K03O31X	15.7	0.15	K134I	356.982	23.647	292.492	9.811	0.14380	2.86131	5	X
K03Q66P	17.8	0.15	K134I	226.765	47.720	308.834	1.561	0.24235	2.35368	5	W
K03R03T	18.1	0.15	K134I	269.563	331.100	339.932	6.495	0.12559	2.34095	5	W
K03R24E	16.0	0.15	K134I	241.712	131.680	217.199	26.357	0.23751	3.18805	4	W
K03S30D	18.3	0.15	K134I	191.303	67.650	308.146	1.958	0.25422	2.40405	4	W
K03S33Z	16.2	0.15	K134I	272.953	303.282	17.567	10.301	0.23437	3.17939	4	W
K03S71N	17.0	0.15	K134I	149.850	155.271	253.712	5.997	0.09015	2.42439	4	W
K03SH2O	17.3	0.15	K134I	184.427	160.594	220.727	0.394	0.19495	2.41013	6	W
K03SK2V	18.6	0.15	K134I	252.275	12.772	324.519	1.050	0.25137	2.34436	3	W
K03SM7Z	17.6	0.15	K134I	253.830	353.771	341.357	3.136	0.18615	2.36483	5	W
K03SR3E	17.5	0.15	K134I	256.451	79.820	254.706	6.886	0.25157	2.36008	6	W
K03SR6G	18.5	0.15	K134I	148.608	79.208	329.622	1.803	0.17456	2.46393	5	W
K03SS5S	17.6	0.15	K134I	173.894	101.196	288.666	3.565	0.22373	2.42623	4	W
K03SW4T	16.6	0.15	K134I	276.339	320.019	350.706	3.962	0.18183	3.20002	4	W
K03SW4W	19.0	0.15	K134I	284.494	306.868	7.091	4.268	0.31054	2.30885	3	W
K03SW7N	17.2	0.15	K134I	278.370	115.067	202.892	12.816	0.29863	3.15411	4	W
K03Sa8P	18.4	0.15	K134I	246.900	134.201	192.436	3.555	0.06699	2.37575	3	W
K03Sf7D	16.3	0.15	K134I	352.256	92.467	169.213	12.658	0.24925	3.12402	4	X
K03U25S	17.5	0.15	K134I	47.775	92.836	26.584	28.114	0.37495	2.59823	2	W
K03U32W	17.7	0.15	K134I	188.034	343.784	39.370	2.873	0.19387	2.42395	4	W
K03U40D	17.7	0.15	K134I	281.813	128.341	203.677	4.537	0.25787	2.33138	3	X
K03U70G	18.5	0.15	K134I	277.383	96.135	216.578	9.616	0.20335	2.35379	5	W
K03UH0U	17.5	0.15	K134I	200.807	353.583	18.161	8.531	0.10655	2.42650	4	W
K03UI7R	17.0	0.15	K134I	154.779	149.384	259.102	4.770	0.17744	2.46312	5	W
K03UK1O	17.5	0.15	K134I	246.973	329.179	14.799	2.441	0.24042	2.37286	4	W
K03UM5C	18.3	0.15	K134I	170.074	111.048	279.970	2.515	0.17550	2.45422	3	W
K03UM6V	17.7	0.15	K134I	241.762	72.375	269.814	3.842	0.24382	2.38400	6	W
K03UO5C	15.5	0.15	K134I	278.521	152.817	203.163	17.440	0.17934	3.16009	5	X
K03UV6Q	17.1	0.15	K134I	100.180	112.242	328.888	6.736	0.24020	2.54125	5	W

K03UW5R	17.3	0.15	K134I	272.620	108.596	205.528	14.717	0.19425	3.15481	3	W
K03Ub2F	17.8	0.15	K134I	209.506	152.005	211.130	7.190	0.12877	2.38480	4	W
K03Ub3O	17.2	0.15	K134I	277.343	99.603	209.068	10.034	0.14236	3.18115	3	W
K03Uf2N	17.4	0.15	K134I	119.674	55.715	8.976	13.576	0.29705	2.55786	3	W
K03W13A	17.4	0.15	K134I	288.348	291.248	47.392	6.502	0.28644	2.32702	5	X
K03W36R	15.2	0.15	K134I	283.322	94.544	255.965	13.604	0.31379	3.13729	5	X
K03YE0T	16.4	0.15	K134I	44.111	144.725	9.461	9.187	0.13551	2.57004	6	W
K04BD7R	17.7	0.15	K134I	93.822	121.298	338.891	2.491	0.10909	2.59924	4	W
K04C11P	17.5	0.15	K134I	77.315	263.313	201.087	1.540	0.18140	2.64385	4	W
K04C18B	16.9	0.15	K134I	59.491	34.892	118.083	4.272	0.10622	2.60023	6	X
K04C64L	17.0	0.15	K134I	65.892	85.347	63.772	4.405	0.17634	2.59459	5	X
K04F23F	17.5	0.15	K134I	69.950	312.934	177.262	4.816	0.20082	2.65288	4	X
K04F63Y	17.0	0.15	K134I	338.363	215.617	22.526	14.790	0.13553	2.70551	4	W
K04H52Z	16.4	0.15	K134I	7.173	116.708	103.466	13.808	0.21488	2.66926	3	X
K04H71M	16.7	0.15	K134I	277.383	88.361	217.215	11.538	0.17024	2.72945	5	X
K04J04E	16.7	0.15	K134I	309.761	138.561	158.844	5.205	0.10121	2.69837	4	X
K04P26L	17.2	0.15	K134I	334.276	143.700	170.476	14.087	0.27376	2.72965	4	X
K04PA4D	18.2	0.15	K134I	231.606	68.595	283.562	4.633	0.22071	2.19154	4	W
K04RI9P	15.9	0.15	K134I	219.828	105.614	250.477	9.052	0.19522	3.08335	8	W
K04RJ2G	16.0	0.15	K134I	179.409	33.437	349.913	9.338	0.26552	3.16518	5	W
K04RK3H	17.0	0.15	K134I	128.648	38.723	24.131	5.285	0.17634	3.20473	5	W
K04RL2J	15.7	0.15	K134I	278.794	125.424	286.614	12.667	0.12591	2.74249	5	X
K04RL6L	15.9	0.15	K134I	322.061	102.466	256.362	8.467	0.18807	2.75093	4	X
K04RM8H	16.7	0.15	K134I	165.749	186.462	206.111	6.633	0.14563	3.21313	4	W
K04RM8O	16.0	0.15	K134I	316.626	66.076	207.525	10.613	0.06500	3.05460	4	X
K04RO4T	16.1	0.15	K134I	28.919	170.249	1.806	10.615	0.05981	3.09240	6	W
K04RW1M	17.7	0.15	K134I	222.275	137.983	220.041	4.931	0.17678	2.21167	5	W
K04S44N	16.6	0.15	K134I	240.029	87.746	258.684	2.614	0.21317	3.01606	3	W
K04T22V	17.1	0.15	K134I	214.786	136.015	227.423	4.218	0.13872	3.08440	7	W
K04T55X	15.9	0.15	K134I	196.428	354.655	47.874	10.936	0.05357	3.10910	6	X
K04T62P	16.5	0.15	K134I	13.553	190.485	6.158	9.246	0.03118	3.16924	6	W
K04T71F	18.8	0.15	K134I	247.492	6.848	328.485	2.855	0.19289	2.20541	4	W
K04T71H	15.9	0.15	K134I	234.459	150.725	211.977	13.188	0.13549	3.03811	5	X
K04T77N	16.1	0.15	K134I	278.294	105.091	215.491	15.203	0.12759	3.05776	3	X
K04T80E	16.0	0.15	K134I	209.248	176.188	205.307	11.512	0.08156	3.05792	6	X
K04T82Z	16.9	0.15	K134I	235.906	57.089	285.287	1.722	0.11528	3.07756	8	W
K04T97E	16.9	0.15	K134I	284.112	112.441	194.803	6.745	0.20963	3.00654	4	W
K04T97Z	16.2	0.15	K134I	244.111	308.120	30.505	7.336	0.13809	3.08174	5	W
K04TA1P	18.0	0.15	K134I	271.409	303.503	16.855	6.183	0.21856	2.19523	5	W
K04TE8M	16.2	0.15	K134I	263.269	69.835	248.162	3.307	0.17275	3.04750	4	W
K04TF6X	16.9	0.15	K134I	210.976	331.859	27.836	9.527	0.10985	3.13021	4	W
K04TJ3Z	16.5	0.15	K134I	172.254	114.477	280.073	3.190	0.18263	3.20268	4	W
K04TK3M	17.5	0.15	K134I	183.527	157.197	223.486	7.414	0.23118	2.27662	4	W
K04TN7M	17.2	0.15	K134I	223.962	303.610	53.192	1.561	0.21485	3.07939	3	W
K04V16T	18.4	0.15	K134I	279.636	67.711	261.270	4.341	0.38138	2.16393	4	W
K04V47W	15.1	0.15	K134I	254.346	272.891	78.957	11.495	0.20947	3.06001	4	X
K04V56V	17.6	0.15	K134I	205.629	9.908	357.226	3.374	0.19532	2.25633	5	W
K04X95G	18.3	0.15	K134I	131.486	235.422	180.148	1.712	0.27540	2.35669	6	W
K04Y06R	17.4	0.15	K134I	98.475	226.976	238.647	6.890	0.04838	2.31429	6	X
K05A00F	18.6	0.15	K134I	162.725	185.141	213.989	2.467	0.23731	2.32735	4	W
K05A11S	17.9	0.15	K134I	146.041	356.561	55.997	3.253	0.18991	2.35031	6	X
K05C10J	18.2	0.15	K134I	106.693	15.254	66.298	3.364	0.19627	2.42487	6	W
K05C17P	18.2	0.15	K134I	69.343	176.845	299.352	3.009	0.18110	2.43841	4	W
K05C37F	17.4	0.15	K134I	14.677	174.345	35.547	3.108	0.15398	2.40852	7	X
K05C76Q	16.7	0.15	K134I	114.259	188.989	247.825	9.930	0.13316	2.41587	6	W
K05E67P	17.6	0.15	K134I	307.948	131.604	165.027	7.398	0.12406	2.39596	5	X
K05E78D	17.3	0.15	K134I	1.510	224.037	339.328	8.004	0.10966	2.46879	6	W
K05E97F	15.2	0.15	K134I	153.748	222.310	304.955	12.673	0.07274	3.13901	5	X
K05EE1J	17.5	0.15	K134I	197.414	7.214	6.971	1.223	0.20224	2.35991	6	W
K05G79W	18.1	0.15	K134I	321.272	80.854	197.543	21.486	0.07578	1.88950	4	X
K05G85A	18.3	0.15	K134I	174.970	15.780	16.616	21.440	0.07908	1.91933	2	W
K05G88O	16.9	0.15	K134I	152.166	79.143	331.190	1.045	0.12730	2.51770	6	W
K05GJ1K	18.6	0.15	K134I	63.558	288.524	198.212	2.584	0.15516	2.46809	5	X
K05J74P	17.6	0.15	K134I	320.810	41.642	210.684	5.185	0.06739	2.55407	5	X
K05L52D	18.4	0.15	K134I	278.490	39.882	277.806	3.636	0.22642	2.64940	4	W
K05N40O	17.4	0.15	K134I	301.942	174.644	126.565	3.117	0.18495	2.60311	3	X
K05N95B	16.9	0.15	K134I	333.124	141.006	131.925	13.898	0.07951	2.61016	4	X
K05O07O	16.9	0.15	K134I	284.694	222.268	110.621	12.065	0.20689	2.62643	5	X
K05Q04R	17.2	0.15	K134I	289.896	345.718	344.350	1.996	0.21316	2.64303	6	X
K05Q39S	17.2	0.15	K134I	252.532	56.894	280.118	6.911	0.26936	2.71909	5	W
K05Q54C	16.4	0.15	K134I	279.670	180.278	155.540	14.071	0.09635	2.64745	4	X
K05Q67R	18.0	0.15	K134I	258.097	305.582	21.979	3.536	0.19429	2.74941	3	W
K05Q81V	18.1	0.15	K134I	219.976	353.480	1.776	4.099	0.21103	2.78676	4	W
K05QB5J	16.6	0.15	K134I	327.965	117.198	175.776	11.520	0.20082	2.63497	5	X
K05QC4B	17.8	0.15	K134I	246.060	345.862	342.862	3.120	0.09804	2.78156	4	W
K05QC7X	16.9	0.15	K134I	5.127	175.379	28.125	4.121	0.03689	2.80348	6	X
K05QE2Y	17.6	0.15	K134I	305.898	290.454	346.978	7.422	0.16365	2.69675	5	W
K05QE9G	17.8	0.15	K134I	254.869	104.346	229.715	7.594	0.25982	2.70270	6	W
K05QG3A	16.8	0.15	K134I	209.645	349.813	20.300	7.848	0.20465	2.78272	5	W
K05QH5R	17.2	0.15	K134I	268.758	303.661	13.637	7.680	0.21792	2.73907	5	W
K05R20B	17.3	0.15	K134I	263.437	318.192	6.902	4.749	0.16918	2.74261	6	W
K05S46D	16.8	0.15	K134I	218.126	343.717	14.055	15.529	0.14532	2.85905	3	W
K05S57N	16.9	0.15	K134I	327.947	95.910	187.450	13.286	0.14488	2.68629	3	X
K05S65B	16.7	0.15	K134I	293.592	116.177	198.405	11.008	0.23064	2.67420	5	X
K05S79G	17.4	0.15	K134I	306.987	276.566	15.357	12.559	0.26652	2.68286	4	X
K05S89U	19.1	0.15	K134I	304.940	136.972	198.606	5.065	0.36037	2.60926	2	X
K05SA3E	17.0	0.15	K134I	284.644	132.006	197.074	12.452	0.27783	2.68354	5	X
K05SB0N	17.1	0.15	K134I	136.111	217.475	204.862	1.480	0.05011	2.94813	5	W
K05SF1J	17.3	0.15	K134I	248.629	267.210	57.777	2.925	0.06793	2.86872	6	X
K05SG1U	17.0	0.15	K134I	294.846	148.077	192.664	11.669	0.20800	2.62967	6	X
K05SK9Q	16.2	0.15	K134I	258.702	82.715	241.587	7.923	0.14091	2.77582	5	W
K05SO9Z	17.2	0.15	K134I	234.861	341.535	12.913	10.814	0.23162	2.76360	4	W
K05T04W	17.4	0.15	K134I	156.067	315.613	91.689	0.991	0.08389	2.94208	6	W
K05T54R	15.7	0.15	K134I	129.153	211.258	212.940	11.524	0.19680	3.05493	5	X
K05T64M	17.6	0.15	K134I	195.871	342.375	30.662	6.341	0.08295	2.91440	5	W
K05T67O	17.8	0.15	K134I	298.609	36.498	250.394	2.389	0.16635	2.74925	5	W
K05TB8H	17.4	0.15	K134I	221.283	16.707	336.466	1.271	0.08052	2.86306	5	W
K05TC2W	17.1	0.15	K134I	94.646	251.779	194.325	7.895	0.25451	3.10518	5	W
K05TC6Z	17.3	0.15	K134I	177.472	355.050	31.358	2.249	0.10828	2.93576	5	W

K05TD5K	17.7	0.15	K134I	241.929	317.447	23.087	9.968	0.23003	2.79087	4	W
K05TJ6P	16.7	0.15	K134I	301.229	202.266	134.642	14.838	0.26027	2.64017	4	X
K05U32U	16.8	0.15	K134I	73.960	63.108	62.312	1.816	0.08404	3.03515	7	X
K05U76R	15.9	0.15	K134I	239.353	134.833	249.064	14.248	0.32885	2.75041	4	X
K05U89L	16.6	0.15	K134I	135.207	48.401	14.158	11.618	0.11961	3.02577	4	W
K05UB1N	16.6	0.15	K134I	281.632	63.600	269.095	3.672	0.16123	2.79151	5	X
K05UC1M	17.7	0.15	K134I	123.176	127.262	299.021	0.431	0.16197	3.06510	5	W
K05UE7V	16.7	0.15	K134I	181.595	151.676	235.106	9.380	0.08073	2.96714	4	W
K05UF8N	15.8	0.15	K134I	118.860	220.889	212.770	16.242	0.14202	3.06501	4	X
K05UG8H	17.6	0.15	K134I	259.880	284.852	28.089	6.147	0.06563	2.90420	4	W
K05UK0E	17.2	0.15	K134I	90.366	318.753	142.556	1.450	0.14467	3.10554	6	W
K05UR9X	17.0	0.15	K134I	101.099	230.161	217.220	9.430	0.12633	3.08698	4	W
K05UT3X	16.7	0.15	K134I	184.891	138.964	243.153	9.293	0.10744	2.97411	5	W
K05UX0L	17.4	0.15	K134I	105.193	236.626	210.513	4.008	0.13530	3.10417	5	W
K05UX8S	17.3	0.15	K134I	121.147	61.847	17.358	10.383	0.09289	3.02648	5	W
K05Uc2B	16.3	0.15	K134I	287.846	279.301	57.107	11.456	0.25001	2.65413	7	X
K05Ug3Z	16.8	0.15	K134I	305.512	77.745	218.800	12.738	0.18125	2.76673	3	X
K05Ui6Q	16.2	0.15	K134I	163.518	138.467	259.543	8.544	0.07223	2.97203	5	W
K05Uk0C	16.6	0.15	K134I	169.176	140.687	253.720	7.586	0.06912	3.03848	5	W
K05Up1J	17.1	0.15	K134I	141.038	188.376	233.518	9.569	0.08823	3.03490	3	W
K05V20J	17.2	0.15	K134I	157.911	188.203	211.883	9.384	0.10287	3.00966	4	W
K05V98S	15.9	0.15	K134I	346.355	52.101	296.763	12.762	0.19559	2.53361	5	X
K05VD5H	17.4	0.15	K134I	124.743	35.131	36.953	5.390	0.10378	3.09654	3	W
K05W09X	17.0	0.15	K134I	147.417	153.485	260.134	3.491	0.16135	3.07646	5	W
K05W16Y	15.5	0.15	K134I	154.144	354.313	71.884	11.885	0.12353	3.00646	4	X
K05W92R	18.8	0.15	K134I	10.022	315.547	237.584	1.960	0.12374	2.15616	4	W
K05W96V	16.6	0.15	K134I	98.078	217.215	241.011	4.841	0.09111	3.14718	5	W
K05WB8J	16.4	0.15	K134I	307.953	106.291	274.838	8.196	0.21722	2.58736	4	X
K05WC7F	16.6	0.15	K134I	61.315	250.283	236.596	9.334	0.16119	3.16556	4	W
K05X61Z	16.8	0.15	K134I	181.396	59.899	321.697	2.202	0.26262	2.96904	4	W
K05Y15A	17.8	0.15	K134I	193.745	82.437	297.732	3.000	0.14467	2.14427	3	W
K05Y54P	18.6	0.15	K134I	101.458	168.677	296.234	3.745	0.02920	2.18398	5	W
K05Y81S	16.1	0.15	K134I	20.695	108.652	114.775	10.604	0.03607	3.06435	5	X
K05Y94U	16.6	0.15	K134I	27.419	277.327	287.364	3.157	0.07473	2.97692	6	X
K05YC8C	15.5	0.15	K134I	163.383	337.173	100.204	10.500	0.04990	3.05175	4	X
K06A18U	18.1	0.15	K134I	133.453	141.909	281.454	5.356	0.09488	2.19002	4	W
K06B01G	17.9	0.15	K134I	91.686	156.246	310.025	6.272	0.05884	2.21064	4	W
K06B71L	18.7	0.15	K134I	166.411	28.931	5.274	6.490	0.13883	2.19262	3	W
K06C45A	18.0	0.15	K134I	152.821	44.955	5.284	3.962	0.12173	2.18575	3	W
K06E19M	15.8	0.15	K134I	339.939	158.593	180.789	10.229	0.10771	3.02172	5	X
K06F14Z	18.3	0.15	K134I	29.201	134.091	33.104	3.068	0.14249	2.29810	5	W
K06F39X	18.1	0.15	K134I	47.171	115.182	32.145	6.719	0.14657	2.28122	3	W
K06H47S	17.8	0.15	K134I	77.748	352.163	137.431	3.524	0.14203	2.28071	4	X
K06H68H	18.2	0.15	K134I	310.794	239.886	31.708	4.020	0.15930	2.33107	4	W
K06H98W	18.1	0.15	K134I	28.300	315.402	215.486	4.185	0.10326	2.33712	3	W
K06HF3B	19.4	0.15	K134I	323.364	236.393	35.560	3.609	0.31216	2.32063	3	W
K06K10D	18.2	0.15	K134I	246.948	114.461	219.862	1.080	0.13985	2.35813	5	W
K06K52Z	15.6	0.15	K134I	259.364	216.672	213.805	9.151	0.07032	3.12778	6	X
K06K89X	17.8	0.15	K134I	322.291	63.398	230.653	9.099	0.23595	2.29519	4	X
K06KB9R	18.0	0.15	K134I	302.063	177.834	139.172	7.747	0.23790	2.30414	3	X
K06O21F	16.9	0.15	K134I	244.994	332.747	8.108	5.550	0.23654	2.56016	6	X
K06Q48R	17.9	0.15	K134I	294.755	192.525	136.528	6.417	0.20332	2.38240	4	X
K06Q92C	17.8	0.15	K134I	279.788	352.214	316.178	4.124	0.19367	2.43918	5	W
K06Q93Z	18.2	0.15	K134I	282.320	349.788	318.085	5.226	0.20798	2.43720	3	W
K06QB9W	16.8	0.15	K134I	191.325	166.804	210.271	4.386	0.34051	2.64264	4	W
K06QC2D	17.6	0.15	K134I	278.945	121.893	196.898	6.019	0.26340	2.44602	3	W
K06QI4N	18.4	0.15	K134I	258.544	358.405	332.090	1.011	0.24314	2.47778	3	W
K06R04V	17.2	0.15	K134I	184.801	8.944	9.940	11.945	0.12501	2.63425	5	W
K06R08V	17.5	0.15	K134I	174.461	73.176	316.194	3.675	0.22066	2.63057	3	W
K06R50Q	17.1	0.15	K134I	101.359	87.244	17.102	8.026	0.03319	2.65777	6	W
K06R51X	17.7	0.15	K134I	139.010	230.808	188.717	2.062	0.09462	2.69498	4	W
K06R73C	17.5	0.15	K134I	178.885	22.061	3.965	4.193	0.09373	2.62365	5	X
K06R74G	17.0	0.15	K134I	103.572	73.719	5.203	13.253	0.19991	2.76058	3	W
K06R76L	18.7	0.15	K134I	258.102	309.980	16.547	3.699	0.15844	2.52473	5	W
K06R83A	17.3	0.15	K134I	180.186	37.252	352.159	3.291	0.10388	2.61962	4	W
K06R94T	17.4	0.15	K134I	331.628	351.591	280.025	1.745	0.18208	2.47696	7	X
K06RA7U	18.2	0.15	K134I	336.033	358.774	240.194	1.305	0.17534	2.55004	6	W
K06S13P	16.4	0.15	K134I	212.096	341.742	11.999	13.253	0.05238	2.61317	2	W
K06SA3W	18.0	0.15	K134I	77.973	95.087	11.216	9.834	0.16193	2.75390	4	X
K06SE0O	18.3	0.15	K134I	171.507	3.349	31.484	22.155	0.09107	1.87769	2	W
K06SI9X	17.1	0.15	K134I	172.214	22.065	7.780	12.365	0.12596	2.63347	6	W
K06SK3W	17.1	0.15	K134I	258.299	297.657	23.652	9.100	0.08699	2.56288	6	X
K06SN0J	17.1	0.15	K134I	195.316	351.013	22.673	14.117	0.19134	2.60657	5	W
K06ST5X	17.9	0.15	K134I	201.792	157.476	213.128	1.343	0.19975	2.59608	6	W
K06ST6C	17.5	0.15	K134I	110.700	117.229	330.746	2.158	0.06209	2.65399	6	W
K06T08N	17.3	0.15	K134I	201.769	159.757	208.948	9.140	0.18947	2.64620	4	W
K06T38L	18.5	0.15	K134I	258.495	92.816	240.100	0.661	0.22868	2.54766	3	W
K06T58Z	17.8	0.15	K134I	197.193	47.159	327.570	4.129	0.09788	2.65580	5	W
K06T65C	17.1	0.15	K134I	87.646	223.844	235.081	3.268	0.16986	2.78460	5	X
K06T71B	17.1	0.15	K134I	235.017	339.969	11.457	12.318	0.18511	2.55928	4	W
K06T87F	17.7	0.15	K134I	226.432	328.521	26.399	5.049	0.16909	2.61403	4	W
K06T87O	17.0	0.15	K134I	178.909	148.064	239.024	4.974	0.03286	2.70245	6	W
K06T89T	16.8	0.15	K134I	114.627	62.339	21.592	8.663	0.10800	2.76645	5	X
K06TA0S	17.3	0.15	K134I	123.238	206.260	227.876	10.051	0.10305	2.74234	4	W
K06TC4J	17.5	0.15	K134I	228.877	92.361	256.101	3.442	0.15543	2.60931	5	W
K06U04G	17.7	0.15	K134I	178.031	43.804	347.020	6.101	0.08953	2.68163	5	W
K06U28C	17.6	0.15	K134I	252.077	128.625	209.872	8.543	0.25792	2.53167	5	W
K06U34J	17.8	0.15	K134I	181.085	343.229	44.506	3.246	0.06533	2.66845	4	W
K06U36F	17.4	0.15	K134I	145.124	182.959	232.437	4.340	0.04076	2.72110	5	W
K06U36P	17.6	0.15	K134I	240.326	123.663	220.103	16.101	0.23539	2.57328	3	W
K06U52Z	16.8	0.15	K134I	314.547	95.366	185.859	5.352	0.12828	2.56543	3	X
K06U54B	17.3	0.15	K134I	262.439	113.673	219.910	5.465	0.26586	2.54174	5	W
K06U62V	16.9	0.15	K134I	204.471	116.282	254.438	2.813	0.20177	2.66565	4	W
K06U67G	18.5	0.15	K134I	262.768	298.950	29.882	12.082	0.21456	2.53664	3	W
K06U71F	17.4	0.15	K134I	188.771	182.086	197.422	5.812	0.07555	2.71340	5	X
K06U74W	17.5	0.15	K134I	144.978	42.523	15.026	12.382	0.15785	2.70841	3	W
K06U77T	17.7	0.15	K134I	132.117	123.391	302.246	2.014	0.06934	2.72392	5	W
K06UC7X	18.0	0.15	K134I	143.479	177.674	240.938	4.199	0.04456	2.71102	3	W
K06UC9K	16.5	0.15	K134I	96.603	232.162	221.438	12.497	0.17282	2.79904	5	W

K06UD6N	16.6	0.15	K134I	138.036	177.990	238.375	8.939	0.19519	2.76521	6	W
K06UD9Y	17.5	0.15	K134I	68.772	208.334	282.601	5.582	0.05648	2.77349	6	W
K06UE3J	17.5	0.15	K134I	207.774	68.439	301.135	2.461	0.27713	2.60312	4	W
K06UG7C	17.4	0.15	K134I	254.569	184.007	161.372	4.312	0.13286	2.53383	4	X
K06UJ4Q	18.0	0.15	K134I	232.846	147.881	193.781	1.432	0.08890	2.62741	4	W
K06UJ9R	17.1	0.15	K134I	63.435	105.476	21.929	7.874	0.17118	2.73332	4	X
K06UL3S	17.5	0.15	K134I	182.198	129.150	255.881	5.125	0.08844	2.71646	5	W
K06UQ0S	17.5	0.15	K134I	147.992	201.823	209.269	5.884	0.05269	2.71757	4	W
K06UQ6E	17.2	0.15	K134I	119.898	195.586	235.795	12.390	0.15452	2.78594	4	W
K06UR0Q	17.1	0.15	K134I	148.507	188.604	225.942	7.668	0.04591	2.74115	4	W
K06UR8P	18.2	0.15	K134I	285.094	82.319	222.090	8.887	0.18037	2.54623	5	W
K06V17H	16.9	0.15	K134I	197.453	131.949	240.522	4.684	0.05064	2.70160	6	W
K06V17X	18.0	0.15	K134I	194.517	346.977	26.261	2.927	0.15305	2.68432	4	W
K06V19V	17.5	0.15	K134I	229.877	85.600	260.653	3.798	0.14407	2.65221	5	W
K06V24T	17.0	0.15	K134I	138.874	193.766	219.291	4.407	0.17914	2.78740	5	W
K06V24W	17.5	0.15	K134I	263.089	95.148	224.541	9.747	0.13598	2.62880	4	W
K06V28U	17.2	0.15	K134I	151.368	115.834	298.910	3.284	0.05889	2.76224	6	W
K06V47D	19.0	0.15	K134I	255.285	320.119	14.676	2.185	0.23857	2.56246	3	W
K06V47H	17.7	0.15	K134I	144.375	98.401	317.480	1.699	0.07125	2.74806	6	W
K06V52M	17.3	0.15	K134I	288.596	312.798	328.840	5.077	0.05071	2.70983	4	W
K06V52U	17.4	0.15	K134I	197.248	24.709	351.013	4.608	0.15852	2.67907	5	W
K06V53E	17.6	0.15	K134I	176.719	100.746	284.749	4.984	0.11976	2.72799	6	W
K06VB1G	17.3	0.15	K134I	213.431	339.375	25.012	5.888	0.22741	2.65374	4	W
K06VB1M	17.4	0.15	K134I	235.002	41.697	311.422	3.251	0.25675	2.59888	4	W
K06VB5O	17.9	0.15	K134I	223.920	122.334	228.615	5.366	0.07086	2.68197	6	W
K06VC7A	16.8	0.15	K134I	33.428	327.173	215.529	12.688	0.10608	2.62794	3	X
K06VD1E	17.9	0.15	K134I	178.381	159.634	223.369	4.240	0.13415	2.73876	5	W
K06VF3A	16.8	0.15	K134I	82.992	57.052	22.056	19.441	0.40833	3.01570	4	W
K06W04C	17.9	0.15	K134I	72.367	58.960	74.265	23.154	0.10367	1.94809	4	X
K06W37C	17.1	0.15	K134I	292.310	98.282	215.839	10.789	0.19312	2.54741	4	X
K06W72F	17.6	0.15	K134I	246.965	66.973	273.360	1.341	0.19403	2.59493	4	W
K06WC4K	18.1	0.15	K134I	233.170	62.214	283.493	1.084	0.20783	2.64530	3	W
K06WH9A	17.8	0.15	K134I	224.143	94.705	259.111	1.640	0.16815	2.63879	3	W
K06WH9B	17.6	0.15	K134I	110.930	46.690	46.279	3.734	0.03217	2.74874	5	W
K06WI2C	17.9	0.15	K134I	265.265	98.590	229.184	1.962	0.24968	2.58601	5	W
K06WI7C	17.0	0.15	K134I	247.444	128.321	213.523	11.372	0.29257	2.57423	5	W
K06WK0G	17.2	0.15	K134I	233.506	101.431	248.555	2.868	0.20504	2.64520	3	W
K06WK0H	17.2	0.15	K134I	72.191	232.324	247.534	6.311	0.11057	2.87947	5	W
K06X57S	16.7	0.15	K134I	356.452	70.929	237.888	7.682	0.14698	2.43952	5	X
K07B04B	16.7	0.15	K134I	70.989	200.350	280.890	4.964	0.12055	2.98703	4	W
K07B35C	17.7	0.15	K134I	90.035	145.224	310.285	5.254	0.16650	3.00308	3	W
K07B41J	17.3	0.15	K134I	8.037	278.303	278.946	0.555	0.19361	3.04233	3	W
K07D34P	16.5	0.15	K134I	61.618	143.548	353.136	9.064	0.05140	3.16047	5	W
K07D35B	16.3	0.15	K134I	334.707	251.434	346.830	6.702	0.11738	3.16298	4	X
K07D89M	17.1	0.15	K134I	8.330	218.213	337.247	2.474	0.14111	3.11519	3	W
K07DB7Q	15.8	0.15	K134I	215.281	357.074	359.026	11.163	0.08884	3.17141	5	X
K07E75X	16.1	0.15	K134I	351.922	63.402	188.081	19.466	0.04490	3.05880	4	X
K07EB2R	16.4	0.15	K134I	65.829	293.276	194.270	13.109	0.25035	3.19785	4	X
K07EF2B	16.9	0.15	K134I	2.534	106.903	111.214	3.868	0.22384	3.15876	5	X
K07EI6E	16.4	0.15	K134I	166.435	30.835	10.288	11.806	0.12586	3.05368	5	W
K07EK1J	17.1	0.15	K134I	64.696	298.526	221.374	18.957	0.18198	1.99533	5	X
K07EK5P	15.9	0.15	K134I	64.261	32.953	145.355	16.143	0.05725	2.96784	5	X
K07F24H	16.1	0.15	K134I	323.993	85.913	182.801	6.511	0.10945	3.15463	7	X
K07F31V	16.3	0.15	K134I	260.856	126.198	207.434	9.074	0.08957	3.17079	5	X
K07G26J	16.5	0.15	K134I	302.076	111.851	185.232	4.574	0.13072	3.14059	5	X
K07G27X	16.2	0.15	K134I	28.281	62.769	133.837	14.507	0.23206	3.16602	3	X
K07H41V	17.7	0.15	K134I	146.733	267.877	169.727	23.531	0.07449	1.97034	3	X
K07P17U	17.7	0.15	K134I	182.736	57.667	322.580	1.360	0.24784	2.31096	6	W
K07P21V	18.0	0.15	K134I	279.281	336.670	335.752	6.398	0.23432	2.18705	5	W
K07Q05J	17.9	0.15	K134I	230.665	354.139	353.712	4.267	0.17750	2.26209	5	X
K07R11E	18.0	0.15	K134I	187.323	16.700	8.027	4.657	0.23684	2.33733	4	W
K07R14M	18.5	0.15	K134I	215.661	350.634	9.559	4.497	0.22780	2.29900	4	W
K07R32N	17.2	0.15	K134I	232.478	256.342	110.919	5.007	0.18177	2.22884	4	X
K07R35C	17.4	0.15	K134I	150.405	58.024	352.324	6.199	0.12661	2.34611	4	W
K07R54B	18.2	0.15	K134I	166.216	179.610	213.662	6.081	0.11359	2.36847	5	W
K07RA3P	17.0	0.15	K134I	185.942	19.440	4.111	7.633	0.11459	2.34223	6	X
K07RB4E	17.3	0.15	K134I	256.008	120.149	206.214	6.089	0.15073	2.26402	5	W
K07RB5M	18.3	0.15	K134I	147.724	155.503	255.494	2.037	0.23113	2.40654	4	W
K07RB8Y	18.2	0.15	K134I	241.186	314.068	34.184	2.161	0.25213	2.26060	3	W
K07RC4G	17.5	0.15	K134I	167.065	28.677	6.206	5.212	0.12902	2.34652	6	W
K07RE1O	18.2	0.15	K134I	181.884	194.872	192.078	2.874	0.23663	2.34789	4	W
K07RE4K	17.7	0.15	K134I	259.517	348.180	338.995	6.150	0.20438	2.23757	6	W
K07RE5A	18.1	0.15	K134I	231.516	346.034	359.295	2.893	0.18903	2.28177	5	W
K07RE5T	17.8	0.15	K134I	265.806	347.246	336.959	5.978	0.22585	2.23855	5	X
K07RE9F	18.2	0.15	K134I	215.267	20.307	342.074	4.285	0.17049	2.28628	4	W
K07RK1S	18.4	0.15	K134I	282.754	111.018	194.997	4.086	0.20406	2.23351	3	W
K07RK2D	18.2	0.15	K134I	184.529	52.088	328.554	1.035	0.18409	2.35929	4	W
K07RL0Q	18.7	0.15	K134I	245.892	14.038	317.922	3.459	0.08423	2.25406	4	W
K07RL2U	17.9	0.15	K134I	204.627	137.220	235.579	4.513	0.18150	2.29875	4	W
K07RL2W	17.8	0.15	K134I	234.366	30.411	320.828	2.055	0.22865	2.26088	5	W
K07RM3W	18.2	0.15	K134I	198.261	60.062	317.043	2.171	0.21376	2.28144	4	W
K07RN6C	18.1	0.15	K134I	194.331	266.018	112.799	1.629	0.23650	2.30176	6	W
K07RR0W	18.0	0.15	K134I	289.800	75.352	216.621	6.606	0.13550	2.26465	5	W
K07RT8H	17.8	0.15	K134I	175.732	118.632	274.556	2.817	0.18886	2.34899	4	W
K07RV9X	18.0	0.15	K134I	145.371	38.060	14.014	4.404	0.18743	2.38833	5	W
K07S15T	17.6	0.15	K134I	105.074	156.361	292.205	3.879	0.15124	2.42592	4	W
K07T11W	18.3	0.15	K134I	217.624	63.028	297.827	0.485	0.24264	2.31502	3	W
K07T17S	16.9	0.15	K134I	66.145	81.322	24.010	29.134	0.31746	2.61526	2	W
K07T34J	18.3	0.15	K134I	222.953	324.788	35.149	2.483	0.23773	2.31394	4	W
K07T75X	18.3	0.15	K134I	80.874	77.743	18.242	4.889	0.27946	2.57694	4	W
K07T82A	18.2	0.15	K134I	281.902	301.144	5.120	3.279	0.17544	2.20813	5	X
K07T85M	17.1	0.15	K134I	225.300	17.662	336.863	5.155	0.14790	2.34291	4	X
K07TA5R	17.7	0.15	K134I	269.403	54.733	263.351	4.121	0.15151	2.23458	4	X
K07TA6T	17.3	0.15	K134I	158.572	193.451	209.199	5.365	0.15022	2.39901	5	X
K07TB1H	18.1	0.15	K134I	225.271	76.045	280.064	4.734	0.18325	2.29385	3	W
K07TB1V	17.5	0.15	K134I	253.936	71.365	255.638	4.145	0.11284	2.29755	4	W
K07TC6N	18.0	0.15	K134I	219.811	168.131	193.092	2.696	0.24900	2.31945	4	W
K07TD4S	17.7	0.15	K134I	258.667	341.862	338.753	5.535	0.11183	2.25898	3	W
K07TD4X	17.6	0.15	K134I	130.615	216.169	206.116	6.086	0.19647	2.40574	4	W

K07TE8Y	18.2	0.15	K134I	160.604	220.134	179.233	1.088	0.19088	2.39956	5	W
K07TF3O	17.5	0.15	K134I	148.706	87.970	324.293	1.774	0.17415	2.40510	5	W
K07TF3Y	17.5	0.15	K134I	280.184	35.683	267.859	4.338	0.14040	2.27425	4	W
K07TG0B	17.5	0.15	K134I	215.063	140.201	223.656	7.311	0.23049	2.33442	3	W
K07TG1R	17.4	0.15	K134I	148.580	44.443	6.142	4.594	0.18793	2.41265	5	W
K07TG1Y	17.7	0.15	K134I	142.617	175.242	234.520	1.587	0.17111	2.43436	6	W
K07TO4D	18.1	0.15	K134I	199.060	109.005	265.370	4.387	0.22312	2.34634	3	W
K07TR5N	17.6	0.15	K134I	255.621	297.613	55.825	6.103	0.14948	2.22986	5	X
K07TS5L	18.0	0.15	K134I	316.332	113.370	180.925	6.082	0.21515	2.17976	7	X
K07TW8G	18.2	0.15	K134I	225.099	88.510	267.654	3.894	0.18935	2.32364	4	W
K07TZ0D	17.7	0.15	K134I	221.070	350.670	8.425	8.179	0.18452	2.25999	5	W
K07TZ9V	17.5	0.15	K134I	258.057	290.851	36.038	4.769	0.17480	2.29569	6	X
K07Tb2A	17.9	0.15	K134I	184.567	17.097	2.271	7.912	0.10842	2.36052	5	W
K07Td2Z	18.4	0.15	K134I	159.317	33.260	4.519	2.015	0.18658	2.41535	5	W
K07Td4A	18.5	0.15	K134I	303.432	88.010	225.107	3.435	0.22756	2.15142	2	X
K07Tf2C	18.1	0.15	K134I	193.260	90.579	288.499	3.852	0.16329	2.35134	3	W
K07U10W	17.1	0.15	K134I	168.056	88.631	308.867	5.342	0.13261	2.39913	4	W
K07U21R	18.1	0.15	K134I	273.451	105.663	206.736	4.454	0.15528	2.31484	6	W
K07U34X	17.5	0.15	K134I	305.203	157.203	158.841	7.841	0.23537	2.19460	4	X
K07U54S	18.2	0.15	K134I	199.067	331.079	43.719	1.999	0.20146	2.36964	4	W
K07U58E	18.2	0.15	K134I	79.760	235.293	227.070	2.851	0.18178	2.55784	4	W
K07U60O	16.6	0.15	K134I	70.019	101.401	54.228	7.222	0.06917	2.40719	4	X
K07U60U	17.8	0.15	K134I	111.633	211.792	222.814	4.125	0.19249	2.53251	4	W
K07U61E	17.9	0.15	K134I	190.558	176.618	202.780	0.824	0.19927	2.39369	4	W
K07UA5M	17.5	0.15	K134I	263.774	138.489	202.495	5.111	0.18905	2.29192	3	X
K07UA5Q	18.2	0.15	K134I	99.032	246.683	198.044	4.338	0.21048	2.57631	4	W
K07UB0X	18.5	0.15	K134I	128.473	198.502	227.832	0.512	0.14978	2.45864	5	W
K07UB1S	18.4	0.15	K134I	157.488	184.966	220.182	0.458	0.16112	2.41784	5	W
K07UB4X	17.7	0.15	K134I	203.019	338.648	31.127	5.217	0.20280	2.37322	4	W
K07V12K	17.9	0.15	K134I	192.684	17.689	1.888	5.903	0.21620	2.29996	4	W
K07V51L	17.8	0.15	K134I	274.333	42.368	267.536	4.431	0.13320	2.33711	6	W
K07V61P	17.3	0.15	K134I	97.528	194.890	247.151	5.442	0.29115	2.58620	4	W
K07V73M	17.2	0.15	K134I	113.198	175.277	250.302	2.654	0.26707	2.56700	4	W
K07V77X	17.4	0.15	K134I	346.856	183.190	64.201	5.549	0.14648	2.33091	8	X
K07V89E	17.2	0.15	K134I	124.314	351.210	96.432	4.505	0.15070	2.42474	5	X
K07VD7X	18.8	0.15	K134I	275.443	327.187	7.652	6.156	0.42709	2.20737	3	W
K07VF1G	18.2	0.15	K134I	188.627	105.690	274.043	1.171	0.18749	2.39384	5	W
K07VG7S	17.7	0.15	K134I	258.782	49.941	273.962	4.115	0.16412	2.37656	4	W
K07VI3L	18.4	0.15	K134I	86.934	109.339	337.137	4.599	0.30457	2.60912	5	W
K07VL6N	18.5	0.15	K134I	92.019	88.801	5.555	2.080	0.19114	2.56579	3	W
K07VQ4J	18.0	0.15	K134I	224.169	331.030	26.094	1.846	0.19932	2.35849	4	W
K07VW3E	17.1	0.15	K134I	84.900	129.655	309.142	5.803	0.38098	2.66390	3	W
K07VW7K	17.6	0.15	K134I	231.501	55.945	296.110	3.558	0.23570	2.33484	4	W
K07W01G	18.2	0.15	K134I	146.205	49.213	4.503	1.050	0.17114	2.45759	5	W
K07W07Y	17.8	0.15	K134I	193.431	29.114	350.822	3.792	0.26299	2.38413	3	W
K07X21O	17.8	0.15	K134I	83.898	147.195	307.361	1.407	0.20648	2.60826	6	W
K07X30Y	17.0	0.15	K134I	81.380	11.886	111.134	7.605	0.13520	2.62434	4	X
K07Y37F	17.7	0.15	K134I	210.758	319.732	44.545	2.786	0.18972	2.47012	6	W
K07Y67F	17.3	0.15	K134I	142.177	68.464	354.415	5.901	0.08583	2.60390	7	W
K08A03B	17.3	0.15	K134I	139.642	122.937	283.858	2.519	0.30479	2.59336	5	W
K08A05J	16.8	0.15	K134I	64.181	22.675	121.553	8.691	0.10376	2.65754	5	X
K08A38O	17.6	0.15	K134I	80.392	215.693	250.948	4.325	0.13958	2.68209	3	W
K08A74C	16.6	0.15	K134I	82.231	7.887	136.739	12.664	0.05845	2.55388	4	X
K08AA0C	17.2	0.15	K134I	113.810	180.866	261.030	4.519	0.13986	2.65774	6	W
K08AA6U	17.8	0.15	K134I	137.343	115.274	305.151	3.407	0.19968	2.57886	4	W
K08AC9L	18.0	0.15	K134I	310.802	54.358	201.768	1.489	0.02423	2.63026	5	W
K08C34K	17.6	0.15	K134I	51.508	71.953	82.111	0.823	0.01398	2.71113	4	W
K08C35E	17.7	0.15	K134I	126.976	107.655	330.166	2.761	0.05942	2.69264	7	W
K08C65O	16.5	0.15	K134I	190.846	244.455	146.124	22.367	0.02214	2.61054	3	X
K08CB6D	17.0	0.15	K134I	141.761	40.778	19.664	12.634	0.09980	2.76125	6	X
K08CC2Y	17.7	0.15	K134I	57.291	194.824	303.251	2.394	0.13647	2.73712	3	W
K08CC3N	16.8	0.15	K134I	329.960	127.030	149.126	15.409	0.08722	2.56884	4	X
K08CC6Q	17.2	0.15	K134I	295.989	333.704	298.973	2.225	0.03088	2.70856	5	W
K08CD2U	17.2	0.15	K134I	185.927	43.731	334.393	5.320	0.04527	2.72424	4	W
K08CH0V	17.6	0.15	K134I	272.338	81.572	219.360	4.222	0.09685	2.71286	4	W
K08CJ5A	16.6	0.15	K134I	275.083	297.550	6.937	10.256	0.14510	2.88696	4	X
K08CJ8C	17.5	0.15	K134I	343.628	276.844	313.784	1.438	0.19220	2.79988	2	W
K08CL4U	17.6	0.15	K134I	13.089	244.986	310.997	2.781	0.03895	2.75347	3	W
K08D06X	16.1	0.15	K134I	142.361	295.306	140.531	22.441	0.03908	2.60123	3	X
K08D10Z	17.1	0.15	K134I	200.351	16.033	352.816	4.350	0.09764	2.62595	4	W
K08D18P	17.2	0.15	K134I	135.839	67.863	2.466	5.252	0.04279	2.71637	5	W
K08D56V	16.5	0.15	K134I	50.957	69.453	84.448	13.543	0.14455	2.77277	3	X
K08D76M	17.6	0.15	K134I	115.046	92.225	344.565	7.889	0.13318	2.75277	4	W
K08D89P	16.6	0.15	K134I	7.202	51.012	181.642	12.078	0.07898	2.64555	4	X
K08E11Y	17.0	0.15	K134I	67.645	108.915	15.393	15.097	0.15854	2.80514	3	W
K08E57N	15.7	0.15	K134I	240.658	221.777	160.010	14.755	0.19780	2.57779	4	X
K08E95Y	16.9	0.15	K134I	172.380	13.600	22.657	12.412	0.13080	2.70363	5	W
K08EA3V	17.7	0.15	K134I	77.546	129.234	355.647	4.295	0.06819	2.75933	5	W
K08ED2E	16.8	0.15	K134I	33.219	32.564	161.070	8.728	0.12136	2.75202	7	X
K08ED6F	16.8	0.15	K134I	302.631	182.116	116.628	4.400	0.15694	2.77917	5	X
K08EF0L	17.1	0.15	K134I	127.686	162.821	270.011	1.004	0.04087	2.86991	5	W
K08EF7S	17.0	0.15	K134I	296.433	113.315	177.303	4.262	0.03022	2.76627	4	X
K08F09K	17.3	0.15	K134I	119.693	81.337	5.451	3.056	0.01899	2.73350	5	W
K08F74X	16.6	0.15	K134I	261.868	231.266	97.874	5.773	0.05259	2.78311	5	X
K08FA9K	18.0	0.15	K134I	316.033	192.073	100.285	3.803	0.11846	2.72574	3	X
K08G34Z	17.3	0.15	K134I	345.146	69.632	192.838	7.653	0.16838	2.76253	4	X
K08H50N	16.9	0.15	K134I	11.753	2.674	222.155	14.348	0.08646	2.86430	4	X
K08H67S	17.2	0.15	K134I	305.495	40.605	234.196	8.566	0.11297	3.00490	5	W
K08J39G	16.4	0.15	K134I	246.804	105.465	225.124	15.026	0.14787	3.14366	6	W
K08K32M	16.0	0.15	K134I	42.375	352.061	184.465	10.001	0.03569	2.97212	5	X
K08K39B	16.6	0.15	K134I	31.708	352.072	193.299	14.488	0.07383	3.01551	4	X
K08L13L	16.7	0.15	K134I	308.367	109.699	176.995	11.387	0.14293	2.97312	6	X
K08M00J	16.8	0.15	K134I	9.180	322.879	227.054	10.611	0.24216	3.01828	4	W
K08M01G	19.8	0.15	K134I	162.784	108.834	352.464	5.714	0.82272	0.78329	3	X
K08O20K	16.2	0.15	K134I	290.179	177.595	175.663	12.523	0.23633	3.11042	6	X
K08Q21C	16.1	0.15	K134I	307.558	143.457	168.493	28.571	0.22300	3.19032	3	X
K08Q21R	15.4	0.15	K134I	291.358	174.658	220.816	8.535	0.08066	2.90422	5	X
K08S01Y	17.7	0.15	K134I	279.918	97.052	222.596	20.190	0.07156	1.95534	6	X
K08SP9J	17.8	0.15	K134I	349.301	63.991	197.174	23.794	0.05972	1.94773	4	X

K08Y97N	18.7	0.15	K134I	87.911	112.848	359.210	1.979	0.06512	2.30298	4	W
K08YA9C	18.5	0.15	K134I	89.933	131.855	334.763	2.213	0.08604	2.31407	5	W
K08YC6F	18.2	0.15	K134I	103.215	11.476	83.918	2.470	0.08690	2.27813	4	W
K08YD7D	17.2	0.15	K134I	44.928	85.569	70.510	2.826	0.07970	2.28271	6	W
K08YE1A	18.3	0.15	K134I	143.450	139.149	275.161	5.199	0.10585	2.27773	5	W
K09A20Y	18.6	0.15	K134I	103.493	138.222	302.532	4.923	0.22656	2.31056	4	W
K09A33N	17.8	0.15	K134I	23.410	82.599	116.954	5.475	0.19787	2.31768	3	X
K09A40M	17.8	0.15	K134I	1.887	86.906	127.740	8.149	0.16259	2.30409	5	X
K09A44U	17.7	0.15	K134I	7.416	71.201	139.115	6.767	0.05786	2.31050	2	X
K09B02L	19.4	0.15	K134I	359.252	55.916	148.686	7.161	0.59337	2.48982	2	X
K09B09C	18.0	0.15	K134I	78.488	204.998	266.713	2.777	0.11635	2.31524	3	W
K09B85D	17.8	0.15	K134I	9.421	287.650	287.026	2.977	0.19082	2.30842	3	X
K09BC1F	18.3	0.15	K134I	14.983	343.614	201.946	0.758	0.12428	2.39079	4	W
K09BC6A	18.1	0.15	K134I	22.670	217.336	322.511	2.297	0.11142	2.36782	5	X
K09BE3Y	18.0	0.15	K134I	163.027	63.136	337.309	1.728	0.12769	2.27952	4	W
K09BF8R	17.5	0.15	K134I	10.709	231.943	320.355	3.778	0.17038	2.42751	3	W
K09BH8J	18.2	0.15	K134I	110.601	101.258	333.643	1.481	0.19249	2.34709	5	W
K09BI4Z	17.0	0.15	K134I	6.358	21.574	210.609	6.053	0.02008	2.21068	6	X
K09C10M	18.0	0.15	K134I	3.589	350.749	210.087	4.164	0.16971	2.40485	3	W
K09C23U	17.6	0.15	K134I	354.879	275.087	297.310	5.378	0.08124	2.36301	4	X
K09C57B	17.5	0.15	K134I	37.267	176.045	350.937	7.027	0.05318	2.39148	4	W
K09D23B	17.8	0.15	K134I	315.612	257.301	30.313	2.715	0.13658	2.30094	6	X
K09D39A	18.1	0.15	K134I	77.009	136.178	344.913	7.255	0.06067	2.37573	5	W
K09D70D	18.0	0.15	K134I	27.293	325.527	209.400	0.874	0.10610	2.39968	4	X
K09DD6Y	17.8	0.15	K134I	66.873	201.286	283.552	4.237	0.11662	2.39969	4	W
K09E14H	18.7	0.15	K134I	46.565	137.840	6.640	2.592	0.14349	2.42335	4	W
K09E31A	18.2	0.15	K134I	358.782	178.325	31.067	5.726	0.16711	2.42795	3	W
K09F01R	17.7	0.15	K134I	42.599	159.930	355.765	5.479	0.13548	2.43977	5	X
K09F05T	18.3	0.15	K134I	339.689	255.077	340.906	1.435	0.13034	2.39452	5	X
K09F34L	17.2	0.15	K134I	353.863	84.693	156.363	7.149	0.08238	2.36210	5	X
K09F41G	18.1	0.15	K134I	30.991	146.862	16.332	3.082	0.16962	2.46210	3	W
K09F62B	17.2	0.15	K134I	103.116	233.120	219.665	12.653	0.10582	2.55365	4	X
K09F69O	16.8	0.15	K134I	115.974	53.829	27.632	15.354	0.09267	2.55857	3	W
K09H04O	17.9	0.15	K134I	51.981	347.808	177.705	8.931	0.14968	2.40205	4	X
K09H66B	17.5	0.15	K134I	31.171	311.098	208.320	13.166	0.19315	2.59793	2	W
K09H92J	17.1	0.15	K134I	271.303	105.233	217.910	3.524	0.23008	2.61632	4	X
K09J05P	16.6	0.15	K134I	282.774	236.586	96.809	16.863	0.20634	2.46610	2	u
K09K22Q	17.4	0.15	K134I	335.173	51.715	192.500	4.238	0.20133	2.56736	4	W
K09M04R	17.1	0.15	K134I	326.927	148.234	141.873	13.615	0.21382	2.61487	6	X
K09O09B	17.7	0.15	K134I	322.251	42.492	238.278	4.159	0.35401	2.69360	2	W
K09O15U	16.6	0.15	K134I	300.037	143.806	156.939	9.346	0.18684	2.78014	3	X
K09O16F	17.0	0.15	K134I	256.269	202.328	161.351	6.189	0.13124	2.77470	5	X
K09O25T	16.5	0.15	K134I	278.795	80.496	226.567	7.702	0.15143	3.01097	7	X
K09P00T	15.7	0.15	K134I	223.102	347.757	6.070	14.006	0.15179	3.21250	4	W
K09P20K	16.9	0.15	K134I	261.326	328.041	352.426	4.721	0.13807	3.10888	7	W
K09Q22J	16.3	0.15	K134I	227.886	359.423	358.007	8.110	0.25590	3.12999	5	W
K09Q29Y	17.2	0.15	K134I	229.158	211.900	142.474	0.011	0.17926	3.04845	6	W
K09Q31J	16.3	0.15	K134I	243.403	348.646	349.696	6.387	0.19579	3.08135	5	W
K09Q37K	16.0	0.15	K134I	198.750	228.139	182.112	24.126	0.10000	3.11511	4	X
K09Q43M	16.9	0.15	K134I	245.667	313.973	33.637	2.066	0.28655	3.06291	3	W
K09Q46R	16.2	0.15	K134I	231.662	345.216	10.444	10.734	0.22103	3.13161	4	W
K09Q53G	16.5	0.15	K134I	235.804	329.992	20.568	3.476	0.22159	3.10100	5	W
K09Q55W	17.2	0.15	K134I	277.141	81.021	226.795	0.918	0.15927	3.07824	4	W
K09Q57T	16.6	0.15	K134I	300.251	220.842	124.232	19.556	0.37483	2.67101	3	X
K09Q63B	16.6	0.15	K134I	287.664	276.821	8.319	11.310	0.07112	3.23866	4	W
K09S25X	17.2	0.15	K134I	306.142	24.856	258.008	1.327	0.20381	3.04516	6	W
K09S31G	16.8	0.15	K134I	286.993	192.558	108.343	2.568	0.16941	3.15076	5	W
K09S54T	17.2	0.15	K134I	254.525	359.150	333.399	3.101	0.19100	3.07655	3	W
K09S56W	15.9	0.15	K134I	286.063	105.906	211.465	19.906	0.18362	3.04129	3	X
K09S63D	16.9	0.15	K134I	284.819	121.313	181.649	2.781	0.16159	2.99609	7	W
K09S72M	16.8	0.15	K134I	274.527	307.130	357.260	11.744	0.10705	3.18245	3	W
K09S94X	16.8	0.15	K134I	266.592	315.002	3.105	8.888	0.13514	3.06087	3	W
K09S99N	17.2	0.15	K134I	326.532	73.355	218.976	6.817	0.25665	2.76343	4	X
K09SB1C	17.1	0.15	K134I	298.078	42.629	251.034	5.134	0.19585	3.02320	3	W
K09SB6K	16.8	0.15	K134I	272.198	319.734	344.201	9.463	0.09103	3.13116	5	W
K09SE1M	15.3	0.15	K134I	157.118	222.387	205.653	7.846	0.04567	3.41950	5	X
K09ST6T	16.7	0.15	K134I	273.818	291.033	22.933	15.812	0.18255	3.11828	3	W
K09SX0J	15.0	0.15	K134I	281.695	77.115	248.679	11.857	0.09582	3.08050	6	X
K09SX0Q	15.6	0.15	K134I	189.530	251.377	163.269	16.356	0.07516	3.04057	6	X
K09SY2R	15.7	0.15	K134I	295.598	103.164	209.957	21.256	0.10567	3.07398	3	X
K09Sa0D	16.3	0.15	K134I	269.165	122.301	206.240	9.270	0.10181	3.14307	5	X
K09Sa0X	17.2	0.15	K134I	281.587	105.250	209.308	12.625	0.29138	3.08379	3	W
K09T03K	16.2	0.15	K134I	256.572	111.533	225.387	13.722	0.29537	3.15455	4	W
K09U43Z	15.8	0.15	K134I	238.165	166.685	210.715	16.924	0.19968	3.11797	7	X
K09U57D	16.5	0.15	K134I	292.139	167.485	228.282	6.481	0.14559	2.65925	6	X
K09UB8W	16.0	0.15	K134I	301.083	89.110	204.003	16.036	0.12263	3.14554	4	X
K09UF3P	17.1	0.15	K134I	271.763	89.337	234.299	8.607	0.22947	3.16231	4	W
K09V77Z	15.8	0.15	K134I	245.926	294.102	64.781	26.757	0.20047	3.21986	3	X
K09W37U	15.5	0.15	K134I	289.307	260.854	63.592	25.921	0.26528	3.19853	3	X
K09X22D	15.3	0.15	K134I	277.852	252.917	114.693	27.356	0.28743	3.17869	4	X
K10A64R	18.0	0.15	K134I	48.725	48.550	119.163	25.671	0.08782	1.90795	2	X
K10B14V	17.0	0.15	K134I	331.782	174.889	170.792	14.264	0.25386	2.56357	7	X
K10B95W	16.8	0.15	K134I	287.497	300.956	15.695	18.976	0.28624	3.07986	4	W
K10C82N	17.9	0.15	K134I	146.077	270.773	165.988	23.511	0.10752	1.92146	5	X
K10EA4D	18.0	0.15	K134I	0.107	192.723	14.624	19.458	0.07266	1.99954	5	W
K10F56C	17.4	0.15	K134I	113.526	275.224	196.875	21.168	0.08096	1.96026	3	X
K10F60P	15.8	0.15	K134I	255.486	286.561	91.174	18.943	0.30695	3.24332	2	X
K10F92C	17.0	0.15	K134I	57.039	32.385	146.954	23.916	0.04723	1.93231	6	X
K10G06Y	19.3	0.15	K134I	271.113	115.941	204.723	21.907	0.23432	1.28650	2	W
K10H58V	18.3	0.15	K134I	304.569	336.544	303.319	3.363	0.17964	2.29290	4	W
K10K61C	17.7	0.15	K134I	301.733	261.011	62.445	7.273	0.30605	2.21748	6	X
K10L04Z	16.0	0.15	K134I	206.547	10.307	3.644	13.140	0.29752	2.64232	4	W
K10LA8T	19.7	0.15	K134I	344.184	9.421	161.159	31.870	0.37069	1.34933	3	X
K10LC4A	16.7	0.15	K134I	202.204	134.105	262.434	7.229	0.06416	2.47218	6	X
K10M71M	18.1	0.15	K134I	308.857	9.365	273.441	4.443	0.22292	2.38182	4	W
K10N01J	20.1	0.15	K134I	51.002	358.508	128.303	11.225	0.54056	0.96835	4	X
K10N23Z	17.8	0.15	K134I	282.248	193.126	132.020	3.963	0.19884	2.39141	6	X
K10N27K	16.9	0.15	K134I	143.979	26.914	19.873	10.402	0.22048	3.13544	5	W
K10N59A	17.7	0.15	K134I	198.612	133.535	240.172	4.186	0.07324	2.78569	4	W

K10N82N	16.8	0.15	K134I	125.034	48.871	15.141	15.522	0.18496	3.14804	4	W
K10O18X	16.2	0.15	K134I	144.481	189.722	221.014	19.790	0.19638	3.13586	4	W
K10O22U	17.4	0.15	K134I	241.975	45.305	302.484	2.630	0.29701	2.57372	4	W
K10O36U	16.7	0.15	K134I	246.740	323.509	14.540	14.325	0.14553	2.65114	4	W
K10O68P	16.1	0.15	K134I	155.810	27.887	22.095	9.674	0.08980	3.01166	4	W
K10O90L	17.5	0.15	K134I	222.632	82.060	273.539	3.492	0.12425	2.78817	3	W
K10P41N	17.1	0.15	K134I	246.524	216.887	132.211	8.721	0.14893	2.64443	4	X
K10P59E	17.6	0.15	K134I	315.789	337.000	288.255	3.939	0.13100	2.35820	6	W
K10P63M	17.4	0.15	K134I	255.888	38.924	290.659	2.773	0.22070	2.42012	6	X
K10P73O	18.6	0.15	K134I	264.726	18.510	306.693	0.514	0.20335	2.37145	5	W
K10P78X	17.3	0.15	K134I	263.527	345.917	339.530	2.153	0.19389	2.36903	5	X
K10R71W	16.5	0.15	K134I	213.729	358.175	0.762	14.370	0.10186	2.69322	5	W
K10R83T	17.3	0.15	K134I	151.801	52.931	355.444	9.883	0.12499	2.80349	4	W
K10RA0J	17.2	0.15	K134I	102.751	120.049	330.314	4.851	0.08981	3.07180	4	W
K10RA1D	16.8	0.15	K134I	122.750	226.951	206.252	10.869	0.08545	3.03063	5	W
K10RA7J	17.6	0.15	K134I	214.207	171.032	187.626	3.530	0.10880	2.76841	3	W
K10RB4P	16.4	0.15	K134I	153.676	191.497	220.362	8.425	0.04418	2.86796	6	W
K10RB5O	17.6	0.15	K134I	293.711	341.311	316.778	3.809	0.20219	2.37934	5	W
K10RC1A	17.7	0.15	K134I	127.788	92.389	343.008	3.706	0.03183	2.75889	6	W
K10RC5F	17.8	0.15	K134I	309.296	155.851	134.247	3.058	0.17007	2.37924	5	X
K10RC7A	16.6	0.15	K134I	82.480	76.526	33.873	6.872	0.11999	3.11336	6	X
K10RE0W	18.6	0.15	K134I	252.725	125.282	208.508	1.371	0.22378	2.46639	3	W
K10RE2M	16.9	0.15	K134I	34.753	300.507	227.838	5.979	0.04819	2.85041	7	X
K10RE4K	18.0	0.15	K134I	250.356	118.209	212.249	3.936	0.12760	2.61989	5	W
K10RE6R	18.3	0.15	K134I	222.803	348.153	6.730	3.437	0.15391	2.68437	4	W
K10RE6V	18.3	0.15	K134I	281.613	302.939	8.867	2.516	0.21692	2.44604	3	W
K10RG0E	17.6	0.15	K134I	164.972	159.617	236.218	2.900	0.10178	2.76821	6	W
K10RI3Y	17.4	0.15	K134I	213.067	72.099	288.625	2.474	0.10995	2.77135	3	W
K10S12C	16.7	0.15	K134I	233.480	338.259	11.022	12.984	0.15009	2.66897	4	X
K10S17F	17.0	0.15	K134I	226.301	353.128	351.850	7.035	0.05084	2.72033	5	W
K10S18D	17.9	0.15	K134I	207.644	7.779	358.661	4.241	0.11836	2.69454	4	W
K10S25K	17.8	0.15	K134I	231.417	305.659	45.479	1.811	0.17583	2.58394	4	W
K10S30P	17.3	0.15	K134I	245.805	311.845	24.367	14.501	0.18464	2.61692	3	W
K10S32Z	17.6	0.15	K134I	247.563	303.930	23.737	14.180	0.11160	2.62033	3	W
K10S34C	16.7	0.15	K134I	237.202	342.551	4.260	11.709	0.24332	2.62685	3	W
K10S41H	17.1	0.15	K134I	272.170	295.317	33.722	5.088	0.06167	2.44580	7	X
K10T02S	17.7	0.15	K134I	196.705	62.015	313.642	3.344	0.08144	2.78379	3	W
K10T03D	17.0	0.15	K134I	112.313	73.773	15.433	9.327	0.01452	2.94027	5	W
K10T03H	16.5	0.15	K134I	133.479	143.114	274.551	3.641	0.18965	3.18326	6	W
K10T06U	17.4	0.15	K134I	230.229	126.616	227.351	3.070	0.22582	2.64747	6	W
K10T13A	17.0	0.15	K134I	105.504	233.565	209.420	14.201	0.13020	3.18838	3	W
K10T20V	17.9	0.15	K134I	256.623	88.192	224.527	1.646	0.06802	2.75430	3	W
K10T23M	17.3	0.15	K134I	205.278	181.426	183.925	4.866	0.03766	2.80361	5	X
K10T25P	17.2	0.15	K134I	200.949	159.869	208.391	14.872	0.22612	2.83689	3	W
K10T27H	17.4	0.15	K134I	287.760	51.143	239.496	3.927	0.09202	2.59512	6	W
K10T27T	17.2	0.15	K134I	14.133	259.552	290.541	3.154	0.00590	2.81990	7	W
K10T40M	17.7	0.15	K134I	192.304	86.432	294.160	2.785	0.11080	2.79645	4	W
K10T40Z	16.5	0.15	K134I	59.325	127.531	5.264	8.539	0.13341	3.21770	6	W
K10T45P	17.4	0.15	K134I	302.008	51.480	220.621	1.903	0.07411	2.75773	3	W
K10T62A	17.3	0.15	K134I	127.384	136.029	299.904	4.956	0.04186	2.88770	5	W
K10T68L	17.6	0.15	K134I	149.117	79.270	336.165	4.558	0.10569	2.87186	6	W
K10T70A	18.0	0.15	K134I	204.759	135.456	230.813	4.206	0.05947	2.75305	5	W
K10T84H	17.5	0.15	K134I	226.632	321.561	25.677	5.290	0.07926	2.68682	6	W
K10T97R	17.2	0.15	K134I	347.243	207.373	20.222	5.273	0.20062	2.60050	3	W
K10T99X	16.1	0.15	K134I	154.342	171.033	233.967	9.996	0.14326	3.08594	4	W
K10TA0A	17.9	0.15	K134I	247.822	168.094	163.848	3.482	0.11506	2.62920	4	W
K10TA4U	16.7	0.15	K134I	106.167	207.483	241.782	4.643	0.11171	3.10779	4	W
K10TE7B	17.2	0.15	K134I	220.055	45.813	314.857	2.669	0.18398	2.74887	4	W
K10TG8Y	18.4	0.15	K134I	308.963	206.320	108.110	3.753	0.31957	2.23325	2	X
K10TH4L	16.3	0.15	K134I	155.684	41.287	6.335	9.923	0.10736	3.02301	4	W
K10TH4P	16.5	0.15	K134I	159.187	14.536	22.027	6.999	0.28490	3.16732	4	W
K10TH8L	16.8	0.15	K134I	116.170	63.139	12.397	6.665	0.13145	3.10364	6	W
K10TI5F	17.4	0.15	K134I	223.741	156.174	193.377	2.525	0.09669	2.69450	6	W
K10U01L	16.9	0.15	K134I	129.055	90.966	338.820	4.791	0.08058	3.10607	6	W
K10U18V	16.0	0.15	K134I	191.618	142.639	232.707	14.624	0.19729	3.09476	5	W
K10U21V	15.2	0.15	K134I	127.951	219.685	225.778	26.254	0.14979	3.17134	3	X
K10U23E	16.3	0.15	K134I	17.072	145.526	43.790	5.341	0.06909	3.08689	5	W
K10U27G	16.2	0.15	K134I	233.307	318.898	48.834	7.471	0.05460	2.75209	4	X
K10U34X	16.8	0.15	K134I	138.795	112.512	310.989	5.094	0.11346	3.15072	5	W
K10U52D	17.2	0.15	K134I	238.154	273.255	74.538	2.631	0.21111	2.65286	7	X
K10U53P	17.5	0.15	K134I	276.949	307.294	358.406	4.609	0.14281	2.71238	3	W
K10U62L	16.8	0.15	K134I	147.344	52.644	1.515	9.007	0.11575	3.16614	3	W
K10U62O	16.4	0.15	K134I	142.651	60.401	358.145	9.463	0.11264	3.16575	4	W
K10U64J	18.1	0.15	K134I	252.973	8.157	327.589	1.804	0.20666	2.66113	3	W
K10U77K	16.1	0.15	K134I	196.489	352.864	15.551	16.114	0.06986	3.03436	4	W
K10U79B	16.8	0.15	K134I	249.029	12.711	318.165	5.011	0.09347	2.87860	4	W
K10U93E	17.0	0.15	K134I	166.106	56.220	342.054	5.150	0.16642	3.15492	5	W
K10UA0K	16.6	0.15	K134I	258.573	111.840	221.312	11.655	0.23237	2.66790	4	W
K10V16A	16.8	0.15	K134I	189.321	19.845	357.493	9.324	0.07535	2.98253	3	W
K10V27O	15.5	0.15	K134I	115.506	233.096	215.043	13.800	0.04041	3.17245	6	X
K10V31A	16.4	0.15	K134I	173.096	179.660	206.871	9.137	0.14559	3.15756	5	W
K10V40K	17.2	0.15	K134I	223.650	22.028	334.367	4.448	0.17607	2.72978	4	W
K10V50J	16.2	0.15	K134I	331.895	49.301	203.363	12.911	0.07220	2.70899	5	X
K10V59K	16.6	0.15	K134I	102.373	108.727	347.908	10.439	0.05642	3.22564	4	W
K10V69W	17.2	0.15	K134I	183.191	126.655	257.032	2.570	0.18927	3.03977	4	W
K10V77B	16.7	0.15	K134I	271.775	230.564	93.505	5.104	0.11241	2.66192	5	X
K10V85L	16.1	0.15	K134I	342.747	353.454	229.129	8.768	0.02659	3.09551	6	W
K10V85Y	16.6	0.15	K134I	193.424	136.648	244.584	4.031	0.19529	3.05934	7	W
K10V92L	16.8	0.15	K134I	90.427	251.092	219.953	6.527	0.04245	3.07268	4	W
K10VA1U	16.4	0.15	K134I	208.161	130.107	233.949	8.781	0.05544	3.13248	5	W
K10VB6T	15.8	0.15	K134I	353.226	352.892	249.183	14.305	0.09199	2.84172	6	X
K10VI4Z	17.0	0.15	K134I	181.062	344.997	43.382	1.625	0.17397	3.13102	4	W
K10VK7J	16.6	0.15	K134I	170.075	57.298	339.660	3.083	0.10734	3.01329	5	W
K10VK8M	16.0	0.15	K134I	342.937	220.740	7.813	11.243	0.02951	2.99381	6	X
K10VL4U	17.0	0.15	K134I	324.388	313.441	324.867	2.349	0.13788	2.56196	7	X
K10VL6V	16.6	0.15	K134I	215.935	338.409	47.494	6.299	0.06888	2.73819	5	X
K10W08J	16.7	0.15	K134I	159.136	5.192	39.927	10.431	0.10455	3.03311	4	X
K10W15N	15.1	0.15	K134I	183.500	334.461	67.006	13.120	0.05484	3.03732	6	X
K10W26S	16.4	0.15	K134I	246.597	316.600	51.708	5.047	0.20938	2.58844	6	X

K10X02O	16.4	0.15	K134I	222.360	117.140	234.896	4.905	0.14709	3.04873	5	W
K10X07J	17.2	0.15	K134I	209.048	164.121	201.347	9.688	0.12475	3.09078	3	W
K10X17X	15.8	0.15	K134I	256.563	90.419	260.507	9.976	0.09427	3.07590	6	X
K10X61C	17.0	0.15	K134I	215.889	107.096	245.739	1.891	0.10972	3.06948	4	W
K11FA9U	16.0	0.15	K134I	283.899	170.369	233.854	6.202	0.10059	2.89369	7	X
K11G68D	17.8	0.15	K134I	287.149	333.221	90.287	33.710	0.74291	2.01851	3	X
K11Q50B	19.1	0.15	K134I	358.497	50.215	177.081	22.426	0.07274	1.78947	3	X
K11S37Q	17.3	0.15	K134I	238.513	314.552	21.427	20.348	0.09338	1.97604	4	W
K11S89X	18.4	0.15	K134I	119.535	139.255	298.606	1.472	0.10711	2.20845	4	W
K11S91J	17.8	0.15	K134I	133.286	186.758	238.296	4.195	0.11486	2.23768	5	W
K11SA7F	18.7	0.15	K134I	164.051	14.328	23.011	3.985	0.17549	2.24964	4	W
K11SB9D	17.8	0.15	K134I	135.614	208.967	202.949	4.248	0.23703	2.31593	4	W
K11SI2N	19.2	0.15	K134I	154.158	42.637	1.171	5.033	0.14636	2.20531	3	W
K11SI7O	18.2	0.15	K134I	81.724	269.096	204.686	5.675	0.09367	2.18939	4	X
K11SM0C	18.6	0.15	K134I	118.296	85.906	345.285	4.971	0.18342	2.37871	5	W
K11SM4H	18.4	0.15	K134I	154.464	58.633	352.620	4.690	0.03490	2.14951	4	W
K11SQ0A	18.4	0.15	K134I	87.893	250.970	217.326	3.663	0.10949	2.23725	6	X
K11SQ0C	18.8	0.15	K134I	132.198	33.047	26.465	2.523	0.20088	2.33281	3	W
K11SQ1A	17.3	0.15	K134I	73.487	72.050	36.141	12.810	0.23078	2.66765	3	W
K11U02L	18.4	0.15	K134I	147.020	166.262	246.217	3.901	0.15608	2.23297	4	W
K11U07D	17.8	0.15	K134I	88.252	238.610	216.833	3.905	0.21634	2.66352	4	W
K11U29Z	18.7	0.15	K134I	190.011	161.478	213.539	7.224	0.08411	2.18720	4	W
K11U59W	18.6	0.15	K134I	164.431	155.975	240.122	2.540	0.14145	2.18044	3	W
K11U70Y	18.1	0.15	K134I	111.755	110.427	338.841	4.490	0.03440	2.18403	6	W
K11U76M	16.9	0.15	K134I	42.958	123.317	23.005	14.836	0.18880	2.59912	4	X
K11U82O	17.3	0.15	K134I	119.408	68.599	356.289	3.850	0.26939	2.56906	5	W
K11U83S	18.5	0.15	K134I	137.150	88.328	336.214	1.899	0.07848	2.31365	5	W
K11U87J	19.3	0.15	K134I	169.616	10.161	22.633	4.363	0.10640	2.17092	3	W
K11U94D	18.3	0.15	K134I	153.395	100.478	303.083	1.346	0.21724	2.30449	4	W
K11U96U	19.0	0.15	K134I	118.372	93.543	341.811	0.853	0.17540	2.31782	4	W
K11UB7P	17.8	0.15	K134I	113.275	163.754	261.591	4.639	0.30194	2.62163	3	W
K11UC6J	17.7	0.15	K134I	97.996	158.420	285.442	4.171	0.22504	2.60677	5	W
K11UD2T	18.0	0.15	K134I	115.764	183.202	250.667	1.812	0.17579	2.43399	5	W
K11UE2Q	17.5	0.15	K134I	141.910	125.836	282.813	3.188	0.21369	2.41518	4	W
K11UE5M	18.8	0.15	K134I	178.599	76.586	312.284	2.793	0.14694	2.20974	5	W
K11UG3C	17.7	0.15	K134I	113.891	176.681	250.070	3.895	0.27280	2.62281	3	W
K11UJ4J	16.5	0.15	K134I	12.169	166.176	24.005	26.610	0.17831	2.34004	4	W
K11UO5E	18.0	0.15	K134I	116.823	132.205	299.099	0.619	0.16699	2.43228	6	W
K11UP1E	18.3	0.15	K134I	183.067	181.890	203.372	4.899	0.10038	2.22758	4	W
K11UQ0J	17.8	0.15	K134I	336.693	305.353	292.556	2.891	0.10849	2.16961	5	X
K11UQ2Z	17.5	0.15	K134I	37.123	282.328	238.757	7.859	0.10638	2.57491	4	W
K11US2O	18.2	0.15	K134I	81.404	315.004	174.058	2.965	0.11175	2.30004	5	X
K11UV8C	18.6	0.15	K134I	128.339	13.021	58.126	1.754	0.08110	2.38241	6	W
K11UV9F	18.6	0.15	K134I	177.066	256.007	132.091	0.293	0.08522	2.23769	5	W
K11UW1B	18.6	0.15	K134I	120.454	154.213	278.134	2.521	0.20349	2.37207	4	W
K11UX8P	18.5	0.15	K134I	127.963	166.109	268.745	2.164	0.04953	2.15277	4	W
K11UY1E	18.1	0.15	K134I	124.609	41.296	23.693	2.708	0.17307	2.40196	4	W
K11UZ9O	17.3	0.15	K134I	40.962	284.188	235.773	10.113	0.10307	2.58485	4	X
K11Ua1P	17.8	0.15	K134I	112.374	193.476	235.522	1.203	0.27034	2.68975	5	W
K11Ua9B	18.3	0.15	K134I	141.604	170.695	238.933	4.504	0.21663	2.41224	4	W
K11Ud0R	17.9	0.15	K134I	104.998	204.775	224.115	10.050	0.29135	2.80005	3	W
K11V16S	17.7	0.15	K134I	134.638	100.466	318.617	3.557	0.17151	2.40580	5	W
K11W03B	18.2	0.15	K134I	199.024	321.636	51.680	3.512	0.18912	2.14683	6	W
K11W15F	17.5	0.15	K134I	116.318	119.197	316.871	4.976	0.15908	2.52961	5	W
K11W21E	17.6	0.15	K134I	24.009	292.657	244.715	6.090	0.04932	2.45675	4	W
K11W22M	18.5	0.15	K134I	142.902	179.776	237.621	3.745	0.13504	2.39210	3	W
K11W24X	17.8	0.15	K134I	133.222	219.236	203.988	4.499	0.12349	2.35092	5	W
K11W57E	17.9	0.15	K134I	58.597	290.534	218.184	4.668	0.01432	2.33219	5	W
K11W63G	17.5	0.15	K134I	127.323	76.320	350.266	0.707	0.16501	2.52778	5	W
K11W70M	18.4	0.15	K134I	168.625	125.328	264.729	2.261	0.21611	2.29251	5	W
K11W71Z	18.1	0.15	K134I	103.900	63.471	20.520	3.111	0.15270	2.70338	4	W
K11W80A	17.7	0.15	K134I	327.313	12.978	227.998	5.702	0.07007	2.26864	4	W
K11WB6G	18.3	0.15	K134I	200.166	77.784	289.431	1.562	0.14001	2.16137	5	W
K11WB6P	18.1	0.15	K134I	144.647	345.099	69.006	2.606	0.18061	2.40721	5	W
K11WB8H	17.9	0.15	K134I	85.719	95.683	3.749	3.617	0.17456	2.64935	3	W
K11WC2V	17.8	0.15	K134I	48.906	266.954	242.716	3.441	0.11715	2.57432	3	W
K11WE2U	17.1	0.15	K134I	102.403	212.764	230.859	8.261	0.16773	2.71146	4	W
K11X02V	17.3	0.15	K134I	52.650	71.059	84.797	6.739	0.14170	2.56603	4	X
K11Y30U	17.9	0.15	K134I	134.191	10.515	49.047	2.891	0.19652	2.67931	5	W
K11Y42T	18.3	0.15	K134I	203.271	45.537	324.085	5.109	0.19559	2.27710	3	W
K12A01B	16.6	0.15	K134I	154.413	229.663	252.720	22.581	0.25171	2.11328	5	X
K12A07N	16.1	0.15	K134I	26.172	290.391	248.746	8.103	0.02230	2.92425	3	W
K12A23M	17.3	0.15	K134I	234.038	14.064	319.555	5.059	0.03576	2.75470	6	W
K12B08D	17.1	0.15	K134I	344.607	236.303	346.478	0.470	0.02647	3.01951	7	X
K12B09W	15.9	0.15	K134I	147.858	265.255	167.352	10.409	0.01485	3.20265	5	X
K12B20J	16.1	0.15	K134I	56.301	124.203	20.474	10.346	0.04716	3.14413	4	W
K12B26L	16.9	0.15	K134I	87.765	100.101	12.341	8.412	0.03801	3.04066	5	W
K12B33K	16.1	0.15	K134I	85.454	115.758	354.976	4.752	0.07009	3.24404	7	X
K12B34D	15.8	0.15	K134I	145.925	165.706	252.910	8.310	0.04854	3.16113	5	W
K12B35U	17.8	0.15	K134I	185.794	191.139	190.609	1.796	0.09277	2.69870	5	W
K12B36C	17.5	0.15	K134I	202.256	98.111	271.095	4.384	0.03048	2.71678	4	W
K12B49L	17.6	0.15	K134I	234.789	58.378	282.562	4.238	0.07825	2.66948	4	W
K12B52M	16.9	0.15	K134I	176.369	267.690	144.129	27.936	0.15018	2.58109	4	X
K12B69G	17.5	0.15	K134I	218.078	31.423	325.594	5.754	0.19448	2.64077	4	W
K12B70T	16.9	0.15	K134I	133.855	17.988	39.752	0.298	0.15408	3.18621	6	W
K12BA9Q	16.1	0.15	K134I	342.338	116.482	124.006	10.519	0.07345	3.15142	4	X
K12BB5R	16.8	0.15	K134I	114.811	335.137	132.358	14.604	0.04453	2.79135	4	X
K12BB8Q	16.7	0.15	K134I	300.065	170.766	122.873	7.048	0.12569	2.71088	6	X
K12BC0H	17.2	0.15	K134I	122.481	217.539	219.381	1.868	0.07973	3.24614	5	W
K12BD0P	16.7	0.15	K134I	222.145	273.200	106.705	14.424	0.08575	2.45423	6	X
K12BD0Y	15.9	0.15	K134I	36.082	99.512	97.431	8.668	0.08495	2.98555	6	X
K12BD1W	15.9	0.15	K134I	98.412	308.904	151.635	17.084	0.19775	3.23114	3	X
K12BE3G	16.4	0.15	K134I	320.819	21.583	232.477	9.663	0.07215	3.02142	8	W
K12BF2U	15.8	0.15	K134I	70.050	4.433	159.347	22.535	0.05752	3.11019	3	X
K12C05L	16.5	0.15	K134I	152.493	14.199	63.929	10.411	0.13980	2.57034	5	X
K12C21E	15.9	0.15	K134I	6.632	17.176	182.870	1.450	0.13076	3.98700	3	W
K12C24Y	15.9	0.15	K134I	256.623	66.276	262.456	6.592	0.16092	3.12083	7	W
K12C38X	15.9	0.15	K134I	94.386	344.701	138.808	10.360	0.02153	3.05140	4	X
K12C39Q	16.4	0.15	K134I	262.690	195.330	130.727	6.646	0.07054	2.84299	7	X

K12C45F	15.8	0.15	K134I	340.332	105.694	155.249	22.109	0.03643	3.10255	4	X
K12D30H	15.5	0.15	K134I	290.656	155.182	164.941	15.937	0.03336	3.18175	5	X
K12D31A	15.8	0.15	K134I	59.751	102.359	63.123	13.403	0.10667	3.09887	3	X
K12D68F	15.8	0.15	K134I	336.148	108.298	158.780	11.539	0.17644	3.04288	6	X
K12E04C	15.7	0.15	K134I	311.773	138.342	167.490	15.786	0.09008	3.13236	5	X
K12F00R	15.5	0.15	K134I	1.118	104.396	147.634	13.741	0.05751	3.11093	6	X
K12F08J	16.1	0.15	K134I	170.046	253.415	172.958	9.709	0.06735	3.00212	6	X
K12F48P	15.9	0.15	K134I	276.190	167.163	167.743	9.930	0.09595	3.10889	4	X
K12G12N	10.6	0.15	K134I	20.693	170.857	351.054	12.653	0.37344	15.05574	7	W
K12H01W	19.9	0.15	K134I	235.965	163.673	207.833	49.564	0.66162	1.06082	2	W
K13E93O	17.3	0.15	K134I	42.306	284.936	221.644	2.421	0.15933	2.65214	6	W
K13F01E	16.2	0.15	K134I	328.896	235.692	6.815	16.609	0.09450	3.07346	4	W
K13F09A	16.2	0.15	K134I	47.999	101.473	23.501	25.899	0.29943	3.13701	4	W
K13G06T	16.0	0.15	K134I	341.889	219.703	5.598	10.405	0.05747	3.10786	7	W
K13G06U	15.6	0.15	K134I	84.232	101.873	12.594	16.185	0.05530	3.15110	4	W
K13G17S	16.1	0.15	K134I	358.031	67.016	162.625	27.181	0.28191	3.15274	3	X
K13G35O	18.6	0.15	K134I	11.155	188.688	3.202	4.248	0.10656	2.18758	4	W
K13G36F	15.6	0.15	K134I	256.655	299.933	16.855	16.605	0.10870	3.14684	4	W
K13G36P	16.2	0.15	K134I	15.415	167.799	15.764	21.161	0.11849	3.15403	5	W
K13G43X	17.7	0.15	K134I	34.180	120.532	34.860	8.719	0.21295	2.29822	4	W
K13G45Y	17.3	0.15	K134I	187.275	344.918	36.867	6.532	0.17727	2.29494	5	W
K13G49N	17.9	0.15	K134I	36.375	113.041	48.362	1.937	0.12433	2.38265	4	W
K13G51A	18.7	0.15	K134I	6.928	247.443	311.195	3.966	0.10825	2.21907	2	W
K13G60L	16.9	0.15	K134I	359.207	184.080	18.853	1.662	0.02854	3.05911	6	W
K13G63X	18.2	0.15	K134I	327.166	245.486	9.842	7.805	0.16727	2.20718	4	W
K13G71E	18.2	0.15	K134I	354.514	195.789	18.715	1.531	0.14199	2.40691	3	W
K13G74U	17.3	0.15	K134I	347.345	6.282	220.822	11.489	0.19362	2.34794	7	W
K13G75G	17.6	0.15	K134I	345.048	100.108	120.361	0.928	0.01380	2.76134	5	W
K13G75K	18.3	0.15	K134I	13.149	144.126	47.523	1.252	0.11047	2.39866	4	W
K13G83B	16.8	0.15	K134I	284.529	86.740	202.501	3.818	0.04159	2.78704	7	W
K13G83C	17.5	0.15	K134I	4.125	0.161	204.107	6.078	0.07710	2.34822	5	W
K13G83Q	18.3	0.15	K134I	326.869	145.773	130.994	2.902	0.27831	2.45287	2	X
K13G84A	17.7	0.15	K134I	9.630	302.668	253.446	5.259	0.05627	2.29506	4	W
K13G89H	17.5	0.15	K134I	298.197	301.964	339.393	5.790	0.11435	2.42287	6	W
K13G89X	17.8	0.15	K134I	308.959	263.964	8.681	3.012	0.17809	2.43058	6	W
K13G91S	17.0	0.15	K134I	351.058	330.399	250.389	6.017	0.11434	2.44988	5	W
K13G92F	17.6	0.15	K134I	330.300	271.209	333.574	2.567	0.12247	2.28204	10	W
K13G95L	18.0	0.15	K134I	340.748	349.881	241.052	3.037	0.11479	2.22872	4	W
K13G97S	17.5	0.15	K134I	354.591	191.152	18.862	9.970	0.12231	2.62485	3	W
K13G98O	16.2	0.15	K134I	33.733	355.948	175.673	1.980	0.01793	3.10076	10	W
K13GA4T	17.4	0.15	K134I	293.214	259.778	31.989	7.125	0.16157	2.35711	4	W
K13GA9H	15.4	0.15	K134I	58.913	106.403	23.971	32.473	0.19166	3.22285	3	W
K13GB2O	16.2	0.15	K134I	250.436	268.661	50.382	0.737	0.02988	3.02053	6	W
K13GB3E	16.5	0.15	K134I	21.293	359.120	195.127	12.903	0.09268	2.57275	4	X
K13GC2D	18.0	0.15	K134I	50.008	282.620	208.798	11.244	0.23498	2.64984	4	W
K13GC2Q	17.9	0.15	K134I	12.394	138.882	50.124	1.749	0.19089	2.99975	2	W
K13H10V	18.1	0.15	K134I	331.333	149.189	127.704	20.999	0.32952	2.61484	2	X
K13H12Y	16.8	0.15	K134I	25.465	24.156	160.849	22.824	0.19448	2.30720	4	X
K13H13S	18.2	0.15	K134I	331.736	224.261	20.528	1.460	0.14611	2.35304	4	W
K13H13X	19.4	0.15	K134I	323.941	233.073	26.138	3.439	0.20049	2.18833	2	W
K13H14A	16.5	0.15	K134I	218.370	313.739	40.640	9.390	0.05869	2.72969	7	W
K13H14H	17.3	0.15	K134I	349.498	172.831	47.794	3.853	0.09535	2.59470	5	W
K13H17N	18.3	0.15	K134I	5.922	193.989	4.378	3.779	0.17672	2.32948	2	W
K13H24A	17.1	0.15	K134I	342.449	19.046	225.295	22.814	0.18972	2.29874	4	X
K13J03R	15.8	0.15	K134I	308.956	57.959	211.960	11.040	0.11798	3.21334	5	W
K13J62Y	16.5	0.15	K134I	67.323	46.565	92.199	13.742	0.12485	2.71605	2	X
K13K01Y	17.9	0.15	K134I	359.033	136.298	122.506	19.019	0.52755	2.62373	4	X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K13B18C	19.0	0.15	K134I	5.799	262.181	286.300	24.817	0.77005	2.75414	145	X
K13CC9X	20.1	0.15	K134I	35.020	312.330	161.607	22.274	0.42040	2.21017	115	X
K13CM2N	18.6	0.15	K134I	343.113	115.888	149.470	9.097	0.67653	3.17689	115	X
K13EA5B	16.6	0.15	K134I	7.615	354.914	219.652	14.272	0.27065	2.57768	89	X
K13EC8E	16.6	0.15	K134I	12.188	77.553	106.716	25.646	0.42154	3.20299	94	X
K13F11D	19.7	0.15	K134I	354.421	338.751	238.682	8.233	0.35836	1.91021	82	X
K13G69G	18.6	0.15	K134I	319.023	143.224	184.386	9.086	0.67696	2.66916	60	X
K13G84H	20.7	0.15	K134I	351.193	186.405	53.400	14.903	0.37164	1.56478	55	X
K13GB3R	17.8	0.15	K134I	354.924	95.430	131.082	3.077	0.20705	2.28177	78	X
K13H14X	16.6	0.15	K134I	343.869	70.480	188.813	29.615	0.33581	2.60252	141	X
K13J02X	20.7	0.15	K134I	343.432	151.696	81.624	12.760	0.32979	1.64799	39	X
K13J04D	16.5	0.15	K134I	2.458	295.885	226.556	73.068	0.86774	12.22775	32	X
K13J07M	20.7	0.15	K134I	180.668	154.764	242.530	4.958	0.27390	1.21114	36	X
K13J22L	21.1	0.15	K134I	29.056	68.935	38.072	3.065	0.59433	1.18666	29	X
K13J28R	21.5	0.15	K134I	328.680	229.954	103.966	6.567	0.65226	2.20704	29	X
K13J36B	20.5	0.15	K134I	342.755	166.173	72.588	34.160	0.33939	1.61148	25	X
K13J37P	15.6	0.15	K134I	356.922	83.729	128.135	22.778	0.11245	3.13371	89	X
K13K02C	17.6	0.15	K134I	8.384	110.226	98.249	30.106	0.31145	2.60423	88	X
K13K06J	20.0	0.15	K134I	90.431	235.642	212.292	20.409	0.24384	0.82381	12	X
K13K06L	24.1	0.15	K134I	330.339	222.853	81.485	7.162	0.53525	2.10251	9	X
K13K06M	22.0	0.15	K134I	354.463	355.745	241.106	20.943	0.60940	2.89430	9	X
K13L00A	24.6	0.15	K134I	316.556	212.416	69.442	18.332	0.27132	1.42537	8	X
K13L00B	22.8	0.15	K134I	47.630	109.247	17.311	2.168	0.34220	1.11661	8	X
K13L01B	17.5	0.15	K134I	10.306	313.202	262.699	31.767	0.52406	2.61006	8	X
K13L01C	23.7	0.15	K134I	48.838	47.281	80.147	5.300	0.32521	0.96826	7	X
K13L01D	22.4	0.15	K134I	343.649	198.440	69.872	6.472	0.55235	2.60274	6	X
K13L01E	22.6	0.15	K134I	257.384	304.090	66.139	8.864	0.44702	1.18320	6	X
K13L01F	22.1	0.15	K134I	327.113	235.099	65.298	6.759	0.44954	2.11740	6	X
K13L02B	22.6	0.15	K134I	339.705	24.054	248.388	11.537	0.52051	2.18338	6	X
K13L02C	22.2	0.15	K134I	341.597	154.914	94.608	9.297	0.42727	1.87725	5	X
K13L02D	24.8	0.15	K134I	340.323	199.204	61.543	1.729	0.47413	1.95392	5	X
K13L06Q	24.8	0.15	K134I	359.052	315.847	246.876	3.333	0.46479	1.85711	5	X
K13L07C	19.4	0.15	K134I	305.844	298.939	93.747	40.084	0.79526	1.49922	5	X
K13L07E	27.0	0.15	K134I	334.251	34.085	205.203	1.738	0.10364	1.16058	3	X
K13L07K	20.4	0.15	K134I	48.385	33.535	92.208	21.542	0.34729	1.12061	3	W

New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K02TD2P	16.6	0.15	K02AD	324.402	162.932	268.757	3.727	0.22347	2.59069	49	W

K02TE0C	15.9	0.15	K02AD	63.010	289.400	10.757	9.706	0.08523	3.05261	68	X
K02TE0K	19.0	0.15	K029N	24.539	338.207	349.167	2.117	0.23277	2.55881	22	X
K02TE0L	16.7	0.15	K029N	18.627	148.763	198.275	8.613	0.07292	3.11433	22	X
K02TE0M	16.8	0.15	K029N	61.141	98.728	202.658	4.812	0.06008	2.97010	22	X
K02TE0Q	18.8	0.15	K029N	330.921	39.008	5.131	6.403	0.12085	2.26440	10	X
K02TE1V	18.1	0.15	K02AD	357.192	247.379	141.906	11.367	0.28454	2.57569	45	X
K02TE1X	18.1	0.15	K02AD	4.553	229.448	148.088	14.298	0.29540	2.53500	44	X
K02TE2C	16.6	0.15	K02AD	36.320	193.300	144.919	16.916	0.24281	2.43175	31	X
K02TE5C	16.2	0.15	K029N	338.448	176.735	223.313	4.278	0.13723	3.10603	46	X
K02TE5R	16.3	0.15	K02AD	340.032	42.089	0.905	15.910	0.12758	3.12628	69	X
K02TE5T	15.9	0.15	K02AD	50.754	326.081	355.330	11.314	0.05509	3.07016	69	X
K02TE6Q	16.9	0.15	K02AD	314.111	98.622	339.608	5.822	0.15632	2.44491	49	X
K02TE7M	17.5	0.15	K029N	44.316	333.373	330.319	4.771	0.21147	2.31390	2	X
K02TE7P	18.8	0.15	K029N	37.357	117.392	199.252	3.786	0.16464	2.61054	22	X
K02TE7V	18.5	0.15	K029N	25.959	107.654	212.157	5.451	0.31057	2.32219	2	X
K09X08W	15.8	0.15	K1014	35.599	293.144	91.674	27.397	0.26993	3.08916	80	DW
K13G21E	15.8	0.15	K134I	336.094	121.532	140.538	26.480	0.29124	3.09520	85	X
K13G50A	17.9	0.15	K1358	348.287	108.149	141.703	8.545	0.26559	2.68011	61	W
K13G71K	17.0	0.15	K1358	11.370	52.053	162.012	8.853	0.20558	2.69859	58	W
K13G73T	16.1	0.15	K1358	336.602	139.568	122.934	10.875	0.10561	3.12004	57	W
K13G82U	16.1	0.15	K1358	323.029	191.802	91.701	7.745	0.13484	3.06344	55	W
K13G82V	15.9	0.15	K1358	261.340	264.670	82.074	10.845	0.10470	3.00981	55	W
K13G83L	17.1	0.15	K1358	346.895	101.074	145.986	2.766	0.16123	2.63473	56	X
K13G90B	17.0	0.15	K1358	304.919	112.215	187.691	6.470	0.12636	2.36020	61	W
K13G96S	17.4	0.15	K1358	4.856	66.372	158.791	5.260	0.18844	2.54548	61	W
K13GA1O	15.9	0.15	K1358	24.947	18.210	178.152	11.698	0.05834	3.06223	56	X
K13GA7F	15.6	0.15	K1358	7.926	139.440	77.119	14.119	0.18679	3.08534	63	X
K13GA7T	16.4	0.15	K134I	24.646	321.284	219.655	27.603	0.30549	3.17983	66	W
K13GB0S	15.9	0.15	K1358	351.634	138.453	96.362	11.989	0.09205	3.11075	63	W
K13GD0U	16.5	0.15	K134I	318.916	60.612	217.948	12.645	0.16574	2.61265	68	X
K13GD4Z	15.9	0.15	K1358	296.453	196.701	119.883	9.585	0.18132	3.05635	58	W
K13GD6C	16.9	0.15	K1358	327.671	133.832	139.634	5.701	0.13623	2.72896	57	W
K13H06Z	17.6	0.15	K1358	25.149	75.901	124.935	9.637	0.10908	2.57519	49	W
K13H07D	16.8	0.15	K1358	290.082	220.540	91.423	13.240	0.09281	2.54097	57	W
K13H23B	16.5	0.15	K1358	7.316	128.249	91.823	13.997	0.20784	2.62809	49	W
K13H27V	16.9	0.15	K1358	17.838	342.430	229.882	9.760	0.13226	2.66035	52	W
K13H28N	15.3	0.15	K1358	286.413	194.047	114.087	11.728	0.04180	3.14309	57	W
K13J02O	18.0	0.15	K1358	340.061	139.268	124.667	2.207	0.17126	2.33741	35	W
K13J03Z	17.7	0.15	K1358	348.949	157.203	86.071	8.337	0.18416	2.36203	60	W
K13J06R	15.9	0.15	K1358	19.651	346.507	231.323	14.900	0.04092	3.19165	32	W
K13J14X	11.7	0.15	K1358	31.163	276.201	246.124	10.390	0.35638	11.41805	33	W
K13J15R	16.1	0.15	K1358	27.252	113.784	75.536	17.929	0.11835	3.06948	63	X
K13J21V	17.1	0.15	K1358	277.114	151.298	163.602	10.270	0.05873	2.68565	53	X
K13J23N	16.2	0.15	K1358	304.689	233.775	74.750	15.649	0.16166	3.20569	36	W
K13J26A	15.6	0.15	K1358	297.049	180.901	126.404	11.615	0.10641	2.98955	27	W
K13J27G	15.6	0.15	K1358	359.745	71.547	163.189	27.036	0.08161	3.14412	29	X
K13J29S	17.0	0.15	K134I	24.186	345.770	202.964	8.027	0.19191	3.05200	85	X
K13J30U	18.1	0.15	K1358	332.317	108.940	164.476	7.449	0.11674	2.25412	29	X
K13J33J	17.2	0.15	K1358	25.921	22.863	177.340	25.832	0.14074	2.59800	27	X
K13J35O	16.2	0.15	K1358	317.481	164.801	122.969	10.814	0.14871	2.68193	29	W
K13J36U	17.2	0.15	K1358	347.490	73.015	184.473	12.596	0.22000	2.58065	27	W
K13J40K	16.1	0.15	K1358	273.462	214.301	117.948	11.075	0.09989	2.93303	58	W
K13J40T	16.0	0.15	K1358	358.428	155.387	78.908	19.562	0.17358	3.10542	55	W
K13J40W	16.9	0.15	K1358	310.705	179.647	115.848	11.474	0.14598	3.02267	49	W
K13J42K	16.6	0.15	K1358	340.273	162.733	96.917	9.699	0.16945	2.66592	58	W
K13J47N	17.8	0.15	K1358	324.845	116.065	165.191	5.344	0.18865	2.24839	53	W
K13J47P	16.5	0.15	K1358	343.593	70.292	190.762	11.195	0.22960	3.11579	58	W
K13J48E	17.0	0.15	K1358	307.165	223.583	93.080	15.417	0.27566	2.53963	49	W
K13J48F	16.4	0.15	K1358	285.128	218.371	105.880	12.217	0.13252	2.59141	57	W
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K13J49F	17.7	0.15	K1358	356.934	10.517	225.488	23.363	0.17095	2.34724	37	W
K13J57A	17.5	0.15	K1358	358.509	16.177	216.830	12.931	0.11542	2.58169	47	W
K13J61Q	16.7	0.15	K1358	347.578	66.301	187.751	4.272	0.16683	2.97709	46	W
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K13K02X	16.7	0.15	K1358	338.790	188.631	77.055	15.003	0.13412	2.60562	22	W
K13K03A	18.6	0.15	K135S	326.453	53.941	282.429	21.750	0.15712	1.58863	23	W
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