

# MPEC 2012-B07 : DAILY ORBIT UPDATE (2012 JAN. 19 UT)

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M.P.E.C. 2012-B07

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Update to [MPEC 2012-B06](#)

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

#### New identification:

K01FJ9T	K12A13T	MPCW
K03C14W	K12A13X	MPCW
K07TO4L	K12B00F	MPCW
K08FD5X	K12A14F	MPCW
K09SR2R	K12A14C	MPCW

#### New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J95S46C	17.0	0.15	K123E	42.870	86.811	3.912	1.081	0.15592	2.42720	8	X
J95U19B	17.0	0.15	K123E	141.320	195.484	141.216	2.985	0.12014	2.90587	5	X
J95U58A	17.5	0.15	K123E	154.161	43.687	288.024	0.709	0.05781	2.91109	4	X
J95U82G	17.3	0.15	K123E	45.381	351.493	98.723	3.400	0.15768	2.47029	5	X
J96A02E	20.3	0.15	K123E	68.620	305.875	118.980	37.360	0.25685	1.36757	2	X
J96A06N	16.1	0.15	K123E	220.410	201.397	80.407	4.813	0.03734	3.03613	4	X
J96G13F	16.8	0.15	K123E	330.381	52.801	111.314	3.923	0.05570	2.58251	6	X
J97C23L	17.8	0.15	K123E	61.449	96.710	332.845	2.623	0.15535	2.40752	5	X
J97S11V	14.2	0.15	K123E	78.727	79.351	300.095	4.670	0.14021	5.19235	5	X

J98D17Q	16.8	0.15	K123E	346.029	46.405	144.282	6.577	0.10816	2.29432	8 X
J98E09W	17.2	0.15	K123E	18.421	346.998	156.452	4.822	0.23694	2.30857	5 X
J98S97G	15.7	0.15	K123E	156.027	196.368	167.400	6.522	0.23792	3.13599	5 X
J99A10L	16.6	0.15	K123E	55.362	92.267	335.945	27.288	0.39323	2.61242	3 X
J99CF9N	15.9	0.15	K123E	329.155	250.286	314.553	10.523	0.24307	2.64567	4 X
J99J29G	15.0	0.15	K123E	2.662	327.215	221.575	19.689	0.40781	3.49892	6 X
J99K04T	17.6	0.15	K123E	316.229	127.723	111.493	2.290	0.36813	2.21267	5 X
J99RK6C	16.4	0.15	K123E	80.146	72.543	313.488	7.055	0.21373	2.44608	4 X
J99S03V	14.8	0.15	K123E	148.320	0.070	343.518	27.056	0.33430	2.98462	5 X
J99TC3U	17.0	0.15	K123E	116.278	13.362	318.296	0.737	0.20009	2.45268	9 X
J99TO5G	17.1	0.15	K123E	105.073	353.595	4.476	2.440	0.21935	2.43712	6 X
J99TP0L	15.5	0.15	K123E	140.282	10.676	337.079	9.247	0.13828	3.04797	5 X
J99U44M	16.6	0.15	K123E	74.271	31.287	12.950	11.216	0.26873	2.45417	5 X
J99V16L	17.8	0.15	K123E	209.431	302.746	345.394	2.803	0.02459	2.41190	7 X
J99VD7C	15.4	0.15	K123E	59.624	28.118	55.661	9.942	0.00995	3.10874	6 X
J99VL7P	17.2	0.15	K123E	81.149	249.694	159.065	1.561	0.18427	2.43957	5 X
J99X30U	16.4	0.15	K123E	26.115	313.574	102.762	14.024	0.13360	2.54415	4 X
K00AL0V	13.6	0.15	K123E	73.634	302.967	104.008	8.824	0.08574	5.17528	5 X
K00C45F	16.6	0.15	K123E	12.951	339.187	159.078	13.567	0.20755	2.51922	6 X
K00CA1B	13.6	0.15	K123E	68.268	96.777	306.923	8.560	0.05243	5.32505	5 X
K00D98W	15.6	0.15	K123E	60.910	52.787	356.712	12.388	0.34525	2.52950	4 X
K00Q25Q	16.4	0.15	K123E	112.632	229.974	147.171	24.241	0.23724	2.27036	5 X
K00Q70N	16.4	0.15	K123E	50.956	251.487	156.806	23.004	0.30409	2.34041	4 X
K00QE8R	16.3	0.15	K123E	98.415	248.957	141.303	21.951	0.19508	2.27071	5 X
K00R52L	15.8	0.15	K123E	303.676	289.934	318.211	28.195	0.35076	2.61682	4 X
K00R57U	17.7	0.15	K123E	114.126	27.245	331.062	3.892	0.21345	2.29517	4 X
K00R96S	17.1	0.15	K123E	93.927	115.895	277.894	3.028	0.26608	2.29771	4 X
K00S04M	17.2	0.15	K123E	79.821	179.156	216.119	9.561	0.22588	2.28494	3 X
K00S52Z	17.0	0.15	K123E	66.281	254.064	156.309	9.852	0.17816	2.30123	6 X
K00SQ0U	17.5	0.15	K123E	122.508	199.303	144.287	2.053	0.23618	2.29532	5 X
K00SU1L	16.9	0.15	K123E	129.716	36.459	305.440	2.912	0.15908	2.29519	6 X
K00T16J	17.1	0.15	K123E	75.732	11.267	36.727	5.374	0.21423	2.31046	4 X
K00T25B	17.2	0.15	K123E	135.955	38.859	304.315	1.515	0.18993	2.28218	6 X
K00U67Y	16.4	0.15	K123E	69.472	151.684	273.390	7.857	0.19615	2.30344	5 X
K00U70M	16.7	0.15	K123E	45.020	150.044	301.535	2.132	0.18095	2.31707	6 X
K00X01U	17.0	0.15	K123E	26.688	351.764	87.635	6.027	0.20292	2.38680	2 X
K00Y08H	15.8	0.15	K123E	47.633	337.372	97.246	15.833	0.27884	3.06990	3 X
K00Y31X	18.1	0.15	K123E	37.019	148.848	312.229	0.854	0.14386	2.35185	6 X
K00YD7U	16.7	0.15	K123E	87.980	79.582	332.820	18.223	0.10907	1.94575	5 X
K01B56F	16.4	0.15	K123E	78.840	304.370	98.374	4.327	0.23911	2.37424	4 X
K01C28Z	14.9	0.15	K123E	30.625	141.853	336.106	27.195	0.11014	3.09342	3 X
K01D05T	15.2	0.15	K123E	33.234	331.594	135.016	26.954	0.24934	3.11574	4 X
K01D07Z	17.5	0.15	K123E	343.183	203.730	323.125	6.588	0.05270	2.37990	5 X
K01D09A	16.7	0.15	K123E	323.064	217.920	338.729	18.243	0.04516	1.96801	5 X
K01FJ9T	18.0	0.15	K123E	13.890	133.513	352.489	2.985	0.17657	2.41344	2 X
K01G04E	18.0	0.15	K123E	19.787	24.083	88.659	5.490	0.42610	2.42073	3 X
K01O44K	16.1	0.15	K123E	95.046	88.908	296.670	8.580	0.32412	2.75769	4 X
K01O74D	17.7	0.15	K123E	128.404	20.613	321.305	7.741	0.28586	2.14988	5 X
K01P30V	16.3	0.15	K123E	209.387	181.449	108.586	14.487	0.25787	2.59269	5 X
K01Q02K	15.5	0.15	K123E	178.092	10.858	340.772	14.289	0.21110	2.59381	4 X
K01Q91R	17.2	0.15	K123E	124.055	214.819	122.700	7.859	0.29667	2.69572	4 X
K01Q92A	16.3	0.15	K123E	75.555	40.878	2.637	9.376	0.24565	2.72121	7 X
K01QB5R	15.5	0.15	K123E	222.524	322.154	323.893	14.512	0.12959	2.62266	6 X
K01QL7H	16.8	0.15	K123E	210.695	153.057	157.118	13.852	0.18676	2.59652	6 X
K01QM2M	16.3	0.15	K123E	142.065	25.856	305.228	10.998	0.19901	2.68529	3 X
K01R00V	16.1	0.15	K123E	167.271	13.664	340.715	11.483	0.19522	2.62686	4 X
K01R52S	15.0	0.15	K123E	113.750	219.507	121.816	3.379	0.26604	4.01400	4 X

K01R82W	16.8	0.15	K123E	109.752	34.955	321.439	7.850	0.23110	2.73703	4 X
K01SE3X	16.5	0.15	K123E	125.024	27.350	328.478	4.910	0.07835	2.71655	6 X
K01SJ1P	16.9	0.15	K123E	121.959	274.287	67.500	1.941	0.21748	2.72941	5 X
K01SL9S	16.8	0.15	K123E	127.114	335.137	20.169	3.489	0.17008	2.71911	5 X
K01SX2V	17.3	0.15	K123E	125.841	297.213	49.695	3.123	0.20585	2.73272	4 X
K01T54R	16.1	0.15	K123E	81.012	67.258	341.904	8.655	0.16105	2.73463	3 X
K01TA8W	15.9	0.15	K123E	90.339	63.838	335.050	6.536	0.09731	2.75366	5 X
K01U10C	18.5	0.15	K123E	176.264	214.612	95.771	1.773	0.23806	2.13777	5 X
K01VC6X	16.8	0.15	K123E	117.460	281.448	86.668	6.585	0.01214	2.75232	5 X
K01VD3J	17.2	0.15	K123E	138.806	248.964	96.490	7.228	0.07699	2.74934	4 X
K01VD3K	18.2	0.15	K123E	117.518	271.634	101.601	6.241	0.00960	2.15744	5 X
K01X69D	16.0	0.15	K123E	51.862	15.973	66.894	10.067	0.13170	2.78824	7 X
K01XM5T	16.3	0.15	K123E	120.682	135.044	251.566	4.715	0.06261	2.76786	6 X
K02A05W	19.1	0.15	K123E	353.179	242.332	287.234	23.941	0.41410	2.23291	2 X
K02AD8N	18.0	0.15	K123E	28.317	337.199	119.815	2.279	0.14333	2.23092	3 X
K02C04O	17.0	0.15	K123E	92.462	64.369	328.115	4.796	0.20694	2.23545	5 X
K02C19Y	17.5	0.15	K123E	342.853	66.400	99.840	6.236	0.08489	2.23966	5 X
K02C27A	16.3	0.15	K123E	58.660	327.852	77.713	4.855	0.33007	2.91020	5 X
K02C44H	18.5	0.15	K123E	85.325	109.712	326.682	19.862	0.06540	1.83117	4 X
K02C50W	17.8	0.15	K123E	346.727	201.921	314.497	2.482	0.18737	2.25057	5 X
K02CB9N	17.2	0.15	K123E	51.955	167.699	281.822	3.940	0.16854	2.21491	4 X
K02CH2M	17.5	0.15	K123E	1.562	21.471	116.507	4.957	0.16388	2.25144	3 X
K02CI1T	16.1	0.15	K123E	101.662	262.265	130.780	12.854	0.06820	2.91928	4 X
K02CK1M	18.0	0.15	K123E	42.855	331.565	120.873	2.925	0.16149	2.23910	5 X
K02CK8A	16.2	0.15	K123E	281.197	112.485	115.398	2.281	0.25717	3.01589	5 X
K02CO8S	15.1	0.15	K123E	310.602	239.013	315.400	13.821	0.10758	2.97697	5 X
K02G45E	15.8	0.15	K123E	348.524	311.071	217.105	2.440	0.05533	3.01942	5 X
K02G53M	16.6	0.15	K123E	324.637	228.957	306.776	7.586	0.17250	3.03703	3 X
K02GA9U	15.1	0.15	K123E	204.391	154.938	155.807	15.930	0.07101	3.08911	4 X
K02JE5M	14.8	0.15	K123E	226.987	147.620	113.990	17.329	0.15065	3.17348	7 X
K02K02K	17.4	0.15	K123E	329.403	82.387	130.139	3.218	0.16515	2.26625	7 X
K02L25G	15.0	0.15	K123E	295.910	93.166	151.463	13.722	0.28507	3.06173	5 X
K02M06R	16.0	0.15	K123E	274.310	134.992	109.479	9.415	0.33472	3.22554	5 X
K02N09Z	17.3	0.15	K123E	244.249	147.694	128.631	7.993	0.16603	2.37369	7 X
K02N28P	16.5	0.15	K123E	194.814	332.298	324.194	4.437	0.11051	2.43173	4 X
K02N71Q	17.5	0.15	K123E	216.832	351.351	281.839	5.586	0.10318	2.43420	7 X
K02N77G	17.2	0.15	K123E	74.839	350.448	38.921	2.114	0.23381	2.55691	4 X
K02N79R	17.4	0.15	K123E	97.180	237.821	119.380	5.380	0.27134	2.55206	4 X
K02PA5C	16.8	0.15	K123E	73.163	95.574	300.967	12.792	0.31386	2.58218	4 X
K02PB0P	17.8	0.15	K123E	119.523	229.982	109.638	5.036	0.31891	2.54409	5 X
K02PB3C	17.3	0.15	K123E	269.093	300.847	316.412	17.896	0.05961	1.93452	5 X
K02PC8P	16.5	0.15	K123E	90.671	284.134	106.045	7.607	0.27142	2.56103	6 X
K02PD8U	17.2	0.15	K123E	152.087	39.222	333.743	18.425	0.08150	1.94110	5 X
K02PH7N	17.6	0.15	K123E	271.679	114.660	134.185	5.862	0.13032	2.39141	5 X
K02PI0B	17.7	0.15	K123E	253.141	311.302	301.921	2.076	0.15771	2.41039	6 X
K02Q05E	16.2	0.15	K123E	53.314	157.931	262.724	5.738	0.31468	2.59280	5 X
K02Q35K	17.6	0.15	K123E	187.779	190.801	112.306	4.135	0.21626	2.46966	5 X
K02Q53O	17.3	0.15	K123E	59.984	44.017	2.408	3.303	0.22026	2.57923	5 X
K02Q81Z	16.8	0.15	K123E	235.197	351.054	296.895	6.194	0.10727	2.40428	5 X
K02Q86K	17.1	0.15	K123E	124.396	40.431	303.770	3.696	0.19579	2.53002	5 X
K02QE6L	17.2	0.15	K123E	293.005	104.863	116.763	2.975	0.07533	2.41721	8 X
K02R05U	16.4	0.15	K123E	48.427	121.428	314.292	12.204	0.24224	2.59517	5 X
K02R42H	16.1	0.15	K123E	44.294	244.249	148.490	14.360	0.17528	2.63657	5 X
K02R91L	17.6	0.15	K123E	92.332	135.944	223.502	1.220	0.30213	2.60371	5 X
K02RD8M	16.8	0.15	K123E	74.423	292.504	105.414	12.211	0.19404	2.57267	3 X
K02RF6K	16.9	0.15	K123E	216.580	339.474	320.521	4.200	0.13250	2.44317	5 X
K02RH8A	17.2	0.15	K123E	101.645	51.214	331.063	6.230	0.14157	2.54920	5 X

K02RM3N	17.2	0.15	K123E	114.570	226.763	121.893	4.705	0.24566	2.56803	5 X
K02TD2W	17.0	0.15	K123E	136.246	29.787	299.219	5.172	0.26436	2.55480	4 X
K02TF3G	17.8	0.15	K123E	94.802	24.103	358.256	2.284	0.17459	2.57832	6 X
K02TL4Y	16.9	0.15	K123E	23.062	250.934	173.334	12.966	0.26078	2.69621	3 X
K02TM5B	17.0	0.15	K123E	107.500	331.722	34.178	3.753	0.24454	2.58286	6 X
K02TO6D	17.5	0.15	K123E	125.359	233.195	102.701	5.055	0.24958	2.58235	4 X
K02TW4F	17.8	0.15	K123E	23.996	78.241	28.983	1.586	0.09206	2.54851	5 X
K02Tb2D	17.3	0.15	K123E	204.922	178.127	111.559	14.206	0.06598	2.57557	4 X
K02U03L	16.5	0.15	K123E	7.371	71.916	348.266	28.305	0.43227	2.75821	3 X
K02VE1N	16.3	0.15	K123E	73.801	304.623	114.506	14.870	0.15096	2.60886	5 X
K02X53R	16.5	0.15	K123E	21.093	38.048	84.633	10.271	0.16313	2.63656	4 X
K02XB7B	17.1	0.15	K123E	37.086	140.365	318.160	4.623	0.12556	2.62934	6 X
K02XB7J	17.4	0.15	K123E	29.845	24.997	71.251	3.194	0.12009	2.64664	5 X
K02Y27T	16.3	0.15	K123E	69.061	306.043	107.625	14.295	0.24775	2.67782	5 X
K03A23F	20.9	0.15	K123E	172.941	43.939	286.805	23.225	0.42585	0.87462	2 X
K03A81O	16.4	0.15	K123E	50.724	77.514	357.253	12.260	0.24928	2.68899	5 X
K03B33X	20.9	0.15	K123E	114.809	221.138	143.326	7.921	0.42265	1.18196	4 X
K03B35L	16.3	0.15	K123E	61.251	273.985	123.905	10.428	0.30079	2.72810	5 X
K03B71Z	16.7	0.15	K123E	57.606	276.293	155.679	13.048	0.24153	2.70482	5 X
K03B80U	17.1	0.15	K123E	357.519	11.451	145.357	3.984	0.21332	2.71193	4 X
K03B92L	16.4	0.15	K123E	357.142	92.988	65.315	9.520	0.23112	2.74226	5 X
K03C14W	16.5	0.15	K123E	329.734	71.133	113.706	14.143	0.14702	2.72726	3 X
K03D22N	16.8	0.15	K123E	341.479	234.741	284.210	7.746	0.19942	2.76442	3 X
K03F97V	16.5	0.15	K123E	338.108	260.534	284.171	11.725	0.15579	2.78297	4 X
K03FA6E	16.2	0.15	K123E	315.837	166.719	36.095	9.961	0.09109	2.80914	5 X
K03G40X	16.4	0.15	K123E	287.218	82.664	134.269	4.685	0.15049	2.87401	5 X
K03O08N	16.7	0.15	K123E	138.274	345.018	350.763	3.606	0.24204	2.32388	5 X
K03O33L	15.6	0.15	K123E	153.993	193.881	161.197	10.689	0.06525	3.21500	7 X
K03Q27B	17.3	0.15	K123E	73.230	212.857	182.147	8.631	0.22648	2.38877	5 X
K03Q38H	17.0	0.15	K123E	120.407	24.079	324.287	5.787	0.20941	2.35704	4 X
K03Q58K	17.0	0.15	K123E	135.116	205.840	126.817	3.125	0.23008	2.35125	6 X
K03Q62P	16.1	0.15	K123E	99.151	219.242	160.947	11.864	0.25017	2.39717	8 X
K03Q74M	17.1	0.15	K123E	70.262	91.416	279.472	4.131	0.26496	2.42903	3 X
K03Q87C	17.3	0.15	K123E	178.077	359.120	306.221	1.673	0.22362	2.30559	6 X
K03Q94U	17.2	0.15	K123E	89.498	276.453	116.119	1.421	0.21539	2.35821	7 X
K03QA7E	16.4	0.15	K123E	124.525	334.720	40.893	7.859	0.13472	2.31633	6 X
K03QA9P	17.0	0.15	K123E	160.942	201.089	117.201	6.937	0.28596	2.32318	4 X
K03R03D	17.3	0.15	K123E	101.908	15.396	359.413	2.816	0.18131	2.36017	4 X
K03R20W	17.1	0.15	K123E	85.950	301.544	90.636	2.105	0.24149	2.38599	4 X
K03S30D	17.9	0.15	K123E	85.522	67.614	308.161	1.958	0.25458	2.40340	3 X
K03S35G	18.0	0.15	K123E	78.784	20.890	16.655	2.681	0.18961	2.39327	4 X
K03S47A	16.8	0.15	K123E	120.185	35.197	313.537	4.186	0.22383	2.37484	4 X
K03S59H	14.9	0.15	K123E	176.332	28.543	304.702	15.637	0.23603	3.21826	5 X
K03S61T	15.3	0.15	K123E	181.081	187.367	158.729	20.133	0.13995	3.19710	4 X
K03S63G	17.0	0.15	K123E	67.990	18.214	36.580	6.853	0.24955	2.38796	4 X
K03S83C	18.4	0.15	K123E	102.406	351.807	28.260	2.390	0.17121	2.37218	4 X
K03SA3C	16.4	0.15	K123E	121.076	43.847	327.917	10.507	0.21675	2.35257	4 X
K03SH6Y	17.2	0.15	K123E	66.068	56.567	18.470	10.389	0.08996	2.34927	5 X
K03SI4E	17.6	0.15	K123E	115.000	349.561	2.647	1.437	0.20694	2.38782	5 X
K03SM7S	16.9	0.15	K123E	120.635	356.148	358.427	3.256	0.24020	2.38846	7 X
K03SN1R	17.3	0.15	K123E	96.306	281.214	94.340	3.548	0.19618	2.38809	4 X
K03SO2H	18.1	0.15	K123E	49.831	102.070	328.075	0.762	0.16150	2.42451	4 X
K03SR0V	17.9	0.15	K123E	73.217	300.377	90.655	3.258	0.20073	2.42194	3 X
K03SR4T	17.9	0.15	K123E	91.208	228.256	144.134	1.970	0.20294	2.41614	4 X
K03SU7O	17.6	0.15	K123E	83.119	85.182	311.821	5.131	0.21689	2.38431	4 X
K03SV8Q	17.9	0.15	K123E	107.227	252.283	110.445	3.123	0.22366	2.38397	5 X
K03SW6D	18.4	0.15	K123E	61.961	62.119	356.606	3.696	0.18835	2.39354	3 X

K03Sb1W	18.2	0.15	K123E	8.834	130.036	353.332	1.946	0.13206	2.36254	6 X
K03Sc2P	17.6	0.15	K123E	45.638	354.907	81.128	2.411	0.16484	2.40110	5 X
K03T13B	16.0	0.15	K123E	15.858	244.922	229.131	18.819	0.22161	2.42884	5 X
K03U00T	16.5	0.15	K123E	184.601	1.660	344.471	25.575	0.20284	2.28484	5 X
K03U15R	17.7	0.15	K123E	44.474	217.110	213.922	20.681	0.11779	1.90427	4 X
K03U28G	17.7	0.15	K123E	44.038	126.631	320.602	4.066	0.20150	2.42054	5 X
K03U39J	17.5	0.15	K123E	7.972	94.189	46.533	7.584	0.06303	2.38205	5 X
K03U46T	18.0	0.15	K123E	149.821	130.932	195.252	1.931	0.21603	2.36624	5 X
K03U88W	16.4	0.15	K123E	80.011	307.780	101.676	10.067	0.17049	2.41813	5 X
K03UC0A	17.2	0.15	K123E	165.852	321.852	7.805	5.125	0.16978	2.34164	4 X
K03UC3M	17.8	0.15	K123E	18.014	86.145	40.786	5.260	0.17187	2.41700	5 X
K03UH1F	16.7	0.15	K123E	34.087	189.398	273.517	1.517	0.16537	2.42422	6 X
K03UH4G	16.8	0.15	K123E	122.894	0.475	342.419	1.144	0.20467	2.40828	7 X
K03UJ2J	17.4	0.15	K123E	53.429	52.926	18.381	2.097	0.16636	2.42614	4 X
K03UK2K	16.9	0.15	K123E	73.819	285.820	123.656	7.567	0.23373	2.43310	4 X
K03UL4K	18.2	0.15	K123E	77.849	93.836	296.360	0.693	0.18494	2.42854	3 X
K03UN6R	16.6	0.15	K123E	114.217	247.646	134.012	4.057	0.13555	2.38246	5 X
K03UT7K	17.3	0.15	K123E	70.644	51.447	16.006	7.520	0.09699	2.38202	3 X
K03UY0P	18.4	0.15	K123E	93.115	350.043	22.589	1.496	0.20473	2.41717	4 X
K03V06U	17.9	0.15	K123E	85.786	56.411	317.707	0.798	0.25457	2.44651	4 X
K03V10P	17.4	0.15	K123E	46.331	9.212	63.962	2.289	0.16413	2.45103	6 X
K03W13N	18.1	0.15	K123E	87.324	79.659	294.914	1.160	0.20581	2.44236	3 X
K03W16U	17.8	0.15	K123E	132.459	39.063	298.518	1.070	0.25677	2.39539	3 X
K03W39O	17.0	0.15	K123E	26.915	174.774	284.985	4.659	0.09945	2.43792	3 X
K03W45N	16.9	0.15	K123E	11.744	172.063	308.964	2.761	0.14651	2.46059	4 X
K03W79W	17.4	0.15	K123E	50.779	151.082	292.617	2.727	0.18416	2.43793	7 X
K03W80Z	17.8	0.15	K123E	39.577	88.557	353.438	2.020	0.15839	2.46730	4 X
K03WI8O	17.3	0.15	K123E	30.466	157.893	297.090	1.729	0.16858	2.44709	7 X
K03X12P	17.0	0.15	K123E	89.324	62.223	327.364	11.647	0.21300	2.46374	4 X
K03X14G	17.4	0.15	K123E	2.292	212.090	298.557	15.637	0.06705	1.88127	5 X
K03Y35D	17.4	0.15	K123E	357.779	236.249	269.768	17.440	0.06986	1.91933	4 X
K03Y45G	17.2	0.15	K123E	66.481	65.642	11.336	6.554	0.11009	2.42529	5 X
K03Y66Q	16.8	0.15	K123E	44.501	344.975	124.550	23.869	0.06940	1.92021	4 X
K03YA8D	16.4	0.15	K123E	43.402	250.561	122.678	29.702	0.39953	2.61939	2 X
K03YF9H	16.4	0.15	K123E	86.823	87.047	294.381	8.845	0.16448	2.47470	5 X
K03YI0Z	17.4	0.15	K123E	58.002	284.376	115.854	8.299	0.28727	2.52909	4 X
K04B11C	15.4	0.15	K123E	10.652	106.030	300.698	25.759	0.49593	2.63609	3 X
K04B22C	17.2	0.15	K123E	154.335	43.577	308.112	19.075	0.06567	1.92005	3 X
K04B22E	16.3	0.15	K123E	43.783	242.313	153.004	5.046	0.28100	2.56747	4 X
K04B65D	17.0	0.15	K123E	60.521	312.183	109.983	12.613	0.10222	2.52444	5 X
K04B65Q	17.0	0.15	K123E	70.281	266.429	113.976	6.158	0.34785	2.52696	3 X
K04BC8J	17.9	0.15	K123E	54.185	111.833	312.216	1.033	0.13984	2.52793	4 X
K04BE2W	18.2	0.15	K123E	25.757	16.433	90.381	4.025	0.07642	2.52751	3 X
K04BE7W	17.7	0.15	K123E	337.918	51.331	107.874	3.759	0.15464	2.53852	3 X
K04C13W	17.4	0.15	K123E	355.374	36.753	104.075	2.009	0.18186	2.55590	4 X
K04C14G	16.9	0.15	K123E	41.520	15.147	77.912	2.439	0.08134	2.52854	5 X
K04C24Q	17.4	0.15	K123E	50.493	0.002	85.271	6.130	0.16211	2.52445	4 X
K04C27E	16.7	0.15	K123E	34.751	288.453	145.630	12.287	0.31624	2.55627	5 X
K04CB8Y	17.4	0.15	K123E	75.502	311.594	113.211	2.234	0.10314	2.52895	5 X
K04E20O	22.1	0.15	K123E	251.306	84.174	179.862	4.542	0.05526	1.21945	3 X
K04F21X	17.4	0.15	K123E	0.005	253.370	261.749	4.488	0.19334	2.55426	3 X
K04F55A	17.2	0.15	K123E	13.304	29.620	125.797	3.501	0.07082	2.55351	5 X
K04F83F	17.0	0.15	K123E	302.338	277.147	300.326	13.593	0.25453	2.61426	4 X
K04FA3F	18.4	0.15	K123E	337.180	223.172	294.462	0.571	0.11898	2.60368	3 X
K04G27E	16.0	0.15	K123E	250.942	146.697	116.437	15.057	0.18227	2.70087	6 X
K04G73U	16.9	0.15	K123E	279.783	147.895	104.328	5.970	0.29455	2.63377	5 X
K04G88Y	16.2	0.15	K123E	14.528	355.276	102.232	22.885	0.02746	2.66461	4 X

K04H62D	15.7	0.15	K123E	335.192	258.522	312.593	27.135	0.35504	2.61258	6 X
K04H70W	15.7	0.15	K123E	238.099	135.588	124.135	9.480	0.11843	2.73594	6 X
K04J02O	17.3	0.15	K123E	46.517	127.353	222.642	18.713	0.57115	2.29037	3 X
K04L04D	15.4	0.15	K123E	208.223	152.731	161.884	14.935	0.21123	2.85687	4 X
K04L28E	15.1	0.15	K123E	151.800	22.316	291.950	23.067	0.24184	3.08968	3 X
K04P01P	15.4	0.15	K123E	144.592	15.849	333.490	7.341	0.22737	3.04443	7 X
K04P21Z	15.4	0.15	K123E	97.185	250.182	135.878	16.904	0.25011	3.08468	3 X
K04P33S	15.8	0.15	K123E	273.010	302.577	326.008	12.420	0.18374	2.78679	4 X
K04PB2S	15.0	0.15	K123E	100.463	244.579	140.518	27.694	0.21632	3.11329	3 X
K04PB7S	15.2	0.15	K123E	123.990	226.944	118.814	25.870	0.20812	3.11945	5 X
K04R17K	15.9	0.15	K123E	225.236	112.631	176.519	9.629	0.02929	2.95995	6 X
K04R26A	15.8	0.15	K123E	77.819	257.859	157.222	9.096	0.21366	3.17161	7 X
K04RA1B	15.5	0.15	K123E	72.395	89.734	322.500	8.071	0.05850	3.13810	4 X
K04RG2K	17.8	0.15	K123E	57.571	119.029	304.252	5.389	0.15098	2.18800	3 X
K04RH7O	15.9	0.15	K123E	62.252	120.043	306.368	9.161	0.24340	3.20957	4 X
K04RH8K	15.6	0.15	K123E	129.667	43.441	301.031	9.472	0.05980	3.16394	6 X
K04RI9W	15.7	0.15	K123E	168.040	22.894	311.010	7.284	0.26135	3.04162	3 X
K04RJ5Q	15.0	0.15	K123E	38.179	117.854	340.455	15.691	0.19461	3.21090	4 X
K04RN7P	15.9	0.15	K123E	51.276	131.542	345.656	10.853	0.05894	2.96781	4 X
K04RO1T	17.0	0.15	K123E	178.944	127.896	175.038	1.026	0.16148	3.07141	5 X
K04RX8S	16.1	0.15	K123E	110.758	250.642	118.834	2.212	0.04370	3.23788	6 X
K04T26F	16.6	0.15	K123E	81.396	46.311	1.576	5.142	0.09365	3.18831	5 X
K04TK8U	17.9	0.15	K123E	102.045	23.776	354.681	3.599	0.19835	2.19035	3 X
K04TY6U	15.3	0.15	K123E	100.718	132.383	263.038	4.559	0.16332	3.21635	5 X
K04Ta6G	17.3	0.15	K123E	145.690	255.103	86.072	5.627	0.23831	2.17642	5 X
K04V30B	15.2	0.15	K123E	213.199	237.977	62.900	10.565	0.07909	3.15019	6 X
K04V81A	18.3	0.15	K123E	67.860	262.673	167.595	1.691	0.12848	2.21349	6 X
K04W00E	18.2	0.15	K123E	64.159	315.217	92.999	3.671	0.17344	2.24544	3 X
K04W00N	18.6	0.15	K123E	64.508	300.884	104.051	2.843	0.25387	2.25075	3 X
K04X48J	17.0	0.15	K123E	107.011	274.533	98.938	7.223	0.18225	2.25057	5 X
K04XE4F	17.2	0.15	K123E	61.865	294.747	114.213	22.460	0.20183	2.27319	3 X
K04Y05U	18.8	0.15	K123E	20.991	141.445	304.374	24.195	0.45452	2.30714	2 X
K04Y07S	17.9	0.15	K123E	81.535	299.726	93.579	4.903	0.18671	2.24469	3 X
K04Y21T	17.2	0.15	K123E	317.168	273.667	299.828	4.857	0.11063	2.26718	5 X
K05A01G	16.8	0.15	K123E	22.160	1.894	111.407	9.316	0.14759	2.29643	2 X
K05A04M	17.1	0.15	K123E	73.033	85.570	331.815	5.403	0.17920	2.26835	7 X
K05A05P	17.6	0.15	K123E	28.040	81.366	36.599	4.461	0.15478	2.27750	5 X
K05A07C	17.0	0.15	K123E	59.808	358.868	88.668	6.764	0.07991	2.27736	7 X
K05A12B	16.8	0.15	K123E	66.307	70.171	352.088	5.446	0.20140	2.28843	6 X
K05A14R	17.4	0.15	K123E	32.172	89.605	20.784	5.631	0.17570	2.27107	7 X
K05A58E	16.9	0.15	K123E	60.854	301.153	112.257	22.564	0.20397	2.30254	2 X
K05A64Q	17.5	0.15	K123E	99.947	72.297	299.886	5.740	0.13740	2.32327	5 X
K05A75A	17.2	0.15	K123E	110.344	40.137	318.318	2.397	0.20807	2.32407	5 X
K05B06P	17.1	0.15	K123E	16.264	171.978	319.752	6.894	0.08482	2.28076	6 X
K05B07H	17.5	0.15	K123E	27.820	25.071	93.174	5.370	0.09915	2.28173	4 X
K05B20V	17.7	0.15	K123E	326.420	154.167	32.621	0.983	0.06958	2.29625	6 X
K05C01G	17.8	0.15	K123E	45.176	129.210	321.805	2.341	0.14229	2.29353	6 X
K05C30C	14.9	0.15	K123E	187.116	219.045	74.277	3.825	0.15351	3.98350	3 X
K05C64S	18.0	0.15	K123E	0.485	138.902	4.910	2.671	0.18010	2.32068	5 X
K05D01S	17.3	0.15	K123E	318.504	260.426	290.442	4.089	0.17965	2.35512	6 X
K05E12H	17.1	0.15	K123E	13.869	130.076	2.524	6.044	0.21730	2.31889	4 X
K05E20F	17.0	0.15	K123E	272.765	289.938	344.634	7.302	0.11656	2.28228	6 X
K05E22P	17.0	0.15	K123E	302.737	230.144	337.537	5.831	0.06198	2.34334	6 X
K05E52Z	18.1	0.15	K123E	318.232	201.690	343.404	1.137	0.12057	2.36626	6 X
K05E55M	17.4	0.15	K123E	27.346	312.177	170.561	5.247	0.13815	2.32533	6 X
K05E74G	17.2	0.15	K123E	64.747	40.271	20.843	3.225	0.18397	2.35383	5 X
K05EA3O	17.3	0.15	K123E	45.970	92.322	357.707	6.876	0.15537	2.34545	4 X

K05EA4T	17.1	0.15	K123E	88.308	266.737	140.442	3.333	0.13290	2.29394	4 X
K05ED8C	17.5	0.15	K123E	321.505	138.359	45.623	2.106	0.12500	2.40399	5 X
K05EF7M	17.6	0.15	K123E	315.570	292.282	257.198	0.486	0.12170	2.37971	5 X
K05EG9H	17.2	0.15	K123E	248.552	157.947	96.371	6.246	0.20450	2.40022	4 X
K05EG9N	16.2	0.15	K123E	339.015	93.235	78.080	22.443	0.21580	2.36523	3 W
K05EH9K	18.0	0.15	K123E	328.807	210.411	345.886	2.066	0.14160	2.33587	6 X
K05EJ0A	17.8	0.15	K123E	14.825	165.996	308.015	5.862	0.05190	2.33883	7 X
K05EJ2W	17.2	0.15	K123E	45.129	138.582	310.979	1.857	0.16891	2.34874	5 X
K05EK8E	17.8	0.15	K123E	300.445	69.116	133.915	2.056	0.13516	2.38241	3 X
K05EM3J	17.0	0.15	K123E	348.989	44.229	143.194	4.690	0.08005	2.33094	4 X
K05EW8Q	18.3	0.15	K123E	54.500	72.413	344.522	1.430	0.24685	2.31397	4 X
K05G72J	18.0	0.15	K123E	259.484	193.011	50.217	2.145	0.15349	2.42602	5 X
K05G81X	17.9	0.15	K123E	314.179	182.502	19.434	2.480	0.13037	2.34349	4 X
K05G84W	18.0	0.15	K123E	350.620	222.416	300.118	2.222	0.04893	2.39049	3 X
K05G87T	17.1	0.15	K123E	332.447	43.764	91.992	5.784	0.02829	2.54858	4 X
K05GC6F	17.3	0.15	K123E	323.799	143.334	46.942	1.987	0.13270	2.38599	6 X
K05GD6O	14.9	0.15	K123E	344.230	19.181	162.150	8.032	0.18871	3.94928	7 X
K05J22A	18.6	0.15	K123E	39.137	252.082	166.403	13.243	0.29869	1.53475	3 X
K05J44L	17.3	0.15	K123E	299.533	126.938	119.937	2.038	0.15311	2.36817	8 X
K05J68R	16.8	0.15	K123E	249.135	138.661	90.398	14.111	0.14586	2.52666	5 X
K05JC6F	17.2	0.15	K123E	289.723	94.892	135.813	6.523	0.09496	2.39786	6 X
K05JD8U	17.3	0.15	K123E	266.080	35.962	227.054	1.666	0.18309	2.44034	6 X
K05L18H	17.8	0.15	K123E	349.268	358.710	174.323	4.425	0.13554	2.42029	5 X
K05M13E	16.8	0.15	K123E	224.724	331.108	305.263	12.526	0.16394	2.62827	4 X
K05M13G	16.5	0.15	K123E	167.457	194.624	119.337	13.783	0.15823	2.72753	4 X
K05M50X	17.1	0.15	K123E	100.359	62.692	305.324	3.781	0.13191	2.81534	5 X
K05N01J	18.5	0.15	K123E	30.220	82.278	316.512	6.470	0.65087	2.13307	5 X
K05N04W	16.7	0.15	K123E	173.372	191.185	121.855	6.929	0.04522	2.69150	5 X
K05N16D	16.6	0.15	K123E	202.414	179.393	110.133	12.835	0.10554	2.65765	6 X
K05N34J	16.3	0.15	K123E	163.915	14.797	305.142	7.211	0.09610	2.71435	4 X
K05N59O	17.2	0.15	K123E	138.052	241.922	116.755	3.454	0.08719	2.67361	5 X
K05N86E	16.8	0.15	K123E	157.412	49.623	272.806	3.690	0.11179	2.70656	4 X
K05NA1A	17.0	0.15	K123E	228.243	331.740	295.137	3.057	0.16494	2.61075	6 X
K05P01V	16.3	0.15	K123E	209.873	326.353	338.571	15.001	0.14254	2.63669	5 X
K05P16A	16.6	0.15	K123E	282.996	278.436	339.995	13.846	0.11115	2.54719	4 X
K05Q46O	16.0	0.15	K123E	213.093	148.243	102.469	3.143	0.01171	2.89497	8 X
K05QB7W	17.1	0.15	K123E	9.646	354.451	148.069	3.162	0.03396	2.69822	5 X
K05QC1O	17.3	0.15	K123E	214.433	47.733	232.100	0.924	0.19379	2.69787	5 X
K05QG7E	16.1	0.15	K123E	220.633	326.149	313.288	12.985	0.15158	2.68373	6 X
K05QH7N	16.8	0.15	K123E	104.101	44.091	326.192	5.249	0.08738	2.84437	8 X
K05S00D	16.0	0.15	K123E	51.104	91.033	313.894	21.130	0.49729	3.13252	3 X
K05S61N	16.1	0.15	K123E	2.854	51.556	25.388	4.913	0.17775	3.21206	4 X
K05S75A	16.9	0.15	K123E	132.342	340.853	10.216	1.887	0.08119	2.86505	5 X
K05S80G	17.0	0.15	K123E	131.593	321.432	30.559	2.371	0.08223	2.86789	4 X
K05S80N	16.9	0.15	K123E	63.319	2.018	51.178	1.985	0.11450	2.94492	3 X
K05S82E	17.5	0.15	K123E	106.703	50.174	322.599	0.969	0.08958	2.90794	5 X
K05SA9J	16.9	0.15	K123E	176.385	322.726	348.924	1.275	0.11408	2.85485	5 X
K05SC6J	16.9	0.15	K123E	230.115	108.820	181.401	4.923	0.08664	2.71797	4 X
K05SD6U	16.6	0.15	K123E	359.236	142.881	10.643	10.678	0.14843	2.79724	4 X
K05SE3P	16.5	0.15	K123E	319.507	165.503	31.310	10.047	0.10551	2.76112	5 X
K05SJ9A	17.1	0.15	K123E	197.204	323.953	331.291	1.154	0.05073	2.83252	6 X
K05SK7B	16.6	0.15	K123E	78.787	168.781	215.596	8.194	0.22828	3.00829	3 X
K05SN2U	16.6	0.15	K123E	84.552	340.488	33.922	2.085	0.23260	3.05651	5 X
K05SQ2Z	16.8	0.15	K123E	24.257	19.575	74.777	3.384	0.20912	3.04238	3 X
K05SQ9V	15.7	0.15	K123E	45.775	114.152	306.672	12.457	0.25894	3.10597	3 X
K05SS1N	14.9	0.15	K123E	47.952	341.021	117.034	12.108	0.07172	3.26592	5 X
K05SS5F	16.6	0.15	K123E	73.708	295.402	103.511	11.423	0.13252	3.02707	4 X

K05TB8E	17.2	0.15	K123E	210.979	294.890	346.982	1.484	0.02927	2.86295	7 X
K05TC4N	16.3	0.15	K123E	148.475	98.952	208.876	9.958	0.09075	3.01238	3 W
K05TD0P	17.0	0.15	K123E	35.360	310.997	129.085	1.509	0.15355	3.06178	3 X
K05TD6Y	17.1	0.15	K123E	38.651	13.226	66.932	2.695	0.21296	3.00525	4 X
K05TJ4C	17.5	0.15	K123E	102.062	273.501	89.616	3.722	0.23173	2.98665	4 X
K05U39R	16.6	0.15	K123E	77.879	339.560	62.380	2.707	0.10060	3.06526	4 X
K05U39S	16.8	0.15	K123E	88.513	313.312	66.376	1.674	0.18300	3.07903	3 X
K05U83Y	16.7	0.15	K123E	124.377	214.895	130.386	1.038	0.15564	2.98116	3 X
K05U95D	16.7	0.15	K123E	255.949	308.653	284.480	4.612	0.02641	2.97500	6 X
K05U95J	17.0	0.15	K123E	53.873	312.795	99.437	2.605	0.19145	3.10665	4 X
K05U99Z	16.7	0.15	K123E	37.782	335.995	102.849	4.581	0.15950	3.09625	4 X
K05UA1F	16.7	0.15	K123E	19.404	342.942	119.820	4.233	0.16177	3.09240	4 X
K05UC1M	17.5	0.15	K123E	49.829	127.063	299.063	0.431	0.16214	3.06378	4 X
K05UC7F	16.3	0.15	K123E	84.066	6.273	7.916	0.717	0.19121	3.09437	5 X
K05UD5M	17.4	0.15	K123E	20.469	13.318	87.827	2.481	0.09683	3.04141	6 X
K05UF1D	17.1	0.15	K123E	51.904	62.071	2.053	1.279	0.09020	3.08236	3 X
K05UH0C	16.2	0.15	K123E	11.394	174.490	274.139	2.286	0.18300	3.20741	2 X
K05UJ7J	16.7	0.15	K123E	54.925	336.553	81.658	2.493	0.11192	3.11327	5 X
K05UJ9J	17.2	0.15	K123E	91.882	301.025	71.641	1.987	0.19360	3.05453	5 X
K05UK0E	17.0	0.15	K123E	18.466	318.578	142.558	1.450	0.14460	3.10423	5 X
K05UN0Z	16.5	0.15	K123E	56.472	1.722	53.596	1.700	0.16860	3.08376	4 X
K05UN5U	16.4	0.15	K123E	135.702	222.125	118.481	4.573	0.12105	3.00948	6 X
K05UN7Y	16.0	0.15	K123E	54.785	269.033	179.577	6.013	0.10942	2.98554	5 X
K05UR5V	16.9	0.15	K123E	109.610	145.042	227.262	1.962	0.03920	2.99586	5 X
K05UT7N	16.9	0.15	K123E	54.762	202.417	212.089	0.431	0.16727	3.12108	5 X
K05UX2G	16.4	0.15	K123E	117.125	345.169	354.664	2.642	0.28843	2.99127	3 X
K05UX6M	16.6	0.15	K123E	6.199	353.485	127.881	2.209	0.12799	3.06150	4 X
K05Ub2N	15.3	0.15	K123E	132.835	93.849	251.778	10.069	0.10959	3.03641	5 X
K05Uf4O	16.5	0.15	K123E	175.866	234.780	75.966	3.192	0.11099	2.93239	5 X
K05Ug5Q	17.1	0.15	K123E	152.044	21.416	310.431	1.545	0.10597	2.96878	5 X
K05Ui6A	16.5	0.15	K123E	98.730	227.177	137.263	1.513	0.18615	3.09245	4 X
K05Uj3W	17.2	0.15	K123E	126.734	76.262	271.861	2.526	0.09255	3.00274	3 X
K05Uk8F	16.9	0.15	K123E	48.396	168.250	246.730	9.766	0.22850	3.13868	3 W
K05Up0U	16.6	0.15	K123E	88.540	274.283	109.029	2.734	0.11627	3.11360	5 X
K05Up9F	16.9	0.15	K123E	45.020	328.410	108.083	11.370	0.07005	3.01423	3 X
K05Uq7H	16.6	0.15	K123E	46.866	342.409	81.654	2.524	0.13458	3.15113	7 X
K05V10Y	16.4	0.15	K123E	54.410	326.384	90.200	5.085	0.21108	3.11380	3 W
K05V32L	15.7	0.15	K123E	74.612	308.335	75.107	4.094	0.26030	3.13010	3 X
K05V50N	15.6	0.15	K123E	102.398	74.244	263.285	9.260	0.23499	3.03138	4 X
K05V54F	16.8	0.15	K123E	342.239	33.052	120.684	3.280	0.09773	3.01619	5 X
K05V65F	17.0	0.15	K123E	65.573	256.378	142.111	2.576	0.17413	3.07867	5 X
K05V65P	17.0	0.15	K123E	213.322	170.558	109.043	3.200	0.06042	2.92351	6 X
K05V87K	16.7	0.15	K123E	125.367	256.353	85.658	2.951	0.21261	3.00506	5 X
K05V97X	15.9	0.15	K123E	34.921	138.716	296.386	14.432	0.22308	3.14569	3 X
K05VB3R	17.3	0.15	K123E	356.902	150.301	344.665	2.759	0.14545	3.11455	6 X
K05VB7M	16.6	0.15	K123E	68.749	6.780	32.758	1.205	0.17958	3.10205	3 X
K05VD3Y	16.3	0.15	K123E	54.258	293.702	120.324	12.393	0.17103	3.10150	4 X
K05W03J	16.1	0.15	K123E	28.386	330.011	117.067	5.425	0.25734	3.18209	3 X
K05W06O	16.2	0.15	K123E	93.270	128.258	241.659	15.089	0.23036	3.08533	3 W
K05W11B	16.9	0.15	K123E	53.594	356.495	69.092	1.965	0.07374	3.07993	6 X
K05W37G	16.9	0.15	K123E	69.078	301.511	98.638	2.569	0.18436	3.14361	5 X
K05W44M	15.8	0.15	K123E	136.275	279.190	55.458	3.439	0.21544	3.00017	4 X
K05W62D	16.9	0.15	K123E	124.600	285.736	68.242	4.598	0.12713	3.09022	3 X
K05W67C	16.0	0.15	K123E	19.789	213.592	247.300	10.599	0.07226	3.14895	3 W
K05W69N	16.5	0.15	K123E	76.155	320.222	79.126	3.999	0.09722	3.14111	3 X
K05W90G	16.0	0.15	K123E	62.687	53.749	357.406	5.401	0.22834	3.07854	4 X
K05W92Y	16.6	0.15	K123E	49.842	156.937	265.762	0.936	0.12623	3.16942	2 X



K05WA2O	15.7	0.15	K123E	23.308	349.366	105.818	18.933	0.16136	3.17430	5 X
K05WB5E	15.4	0.15	K123E	20.655	37.864	93.129	17.738	0.05771	3.10285	4 X
K05WC4X	17.1	0.15	K123E	36.235	16.865	63.478	2.251	0.15815	3.17291	3 X
K05WD1J	17.1	0.15	K123E	18.170	42.261	68.457	2.398	0.18556	3.13466	5 X
K05WF2K	15.5	0.15	K123E	314.888	288.054	261.411	14.671	0.16743	3.08566	3 X
K05WI4B	15.1	0.15	K123E	13.445	208.644	271.637	25.047	0.13724	3.18037	3 X
K05WJ4L	15.9	0.15	K123E	355.832	267.046	217.194	24.696	0.24369	3.20365	5 X
K05X14U	15.9	0.15	K123E	358.543	55.887	99.596	16.124	0.11158	3.07162	5 X
K05X30S	15.8	0.15	K123E	52.885	176.351	246.420	14.568	0.18867	3.17349	4 X
K05X32R	15.9	0.15	K123E	55.596	322.342	90.685	7.979	0.13918	3.18805	3 X
K05X82W	15.6	0.15	K123E	61.365	110.862	315.120	11.687	0.15203	3.02476	4 X
K05XA7X	17.0	0.15	K123E	319.540	52.165	125.386	2.217	0.13208	3.07445	4 X
K05Y02Z	15.9	0.15	K123E	56.897	105.348	341.845	17.449	0.26275	3.11558	5 X
K05Y37G	15.2	0.15	K123E	78.696	115.204	275.022	25.359	0.20047	3.12587	3 X
K05Y62E	15.8	0.15	K123E	164.747	229.243	98.426	10.054	0.18689	3.13862	4 X
K05Y73Y	16.4	0.15	K123E	90.986	104.313	297.786	6.765	0.18472	3.10434	4 X
K05Y77O	15.9	0.15	K123E	12.817	205.120	293.951	9.278	0.08613	3.13136	4 X
K05Y84E	14.9	0.15	K123E	100.910	282.401	119.448	18.801	0.06776	3.15875	6 X
K05Y86N	16.0	0.15	K123E	184.793	198.781	103.869	11.286	0.02402	3.23918	2 X
K05Y94S	15.9	0.15	K123E	71.916	65.175	350.909	9.495	0.18569	3.03035	4 X
K05YB3U	15.9	0.15	K123E	17.091	56.081	64.555	5.480	0.09929	3.21683	5 X
K05YC5A	16.2	0.15	K123E	325.109	109.340	74.510	5.262	0.11053	3.18759	5 X
K05YD1U	15.6	0.15	K123E	357.598	216.008	300.548	15.210	0.07567	3.20521	3 W
K05YG9Q	15.3	0.15	K123E	348.357	54.495	118.237	17.567	0.19036	3.15780	4 X
K05YI2A	14.9	0.15	K123E	0.952	39.154	108.195	19.056	0.13180	3.14496	5 X
K05YK1M	15.7	0.15	K123E	334.622	264.875	282.365	14.827	0.20848	3.13615	4 X
K05YL3F	15.4	0.15	K123E	75.277	346.490	77.728	10.564	0.08576	3.13147	4 X
K05YL5R	15.5	0.15	K123E	7.079	197.286	286.363	26.086	0.13472	3.22512	4 X
K05YN5Q	15.9	0.15	K123E	321.832	261.809	292.539	9.666	0.04693	3.12364	4 X
K05YQ5A	16.1	0.15	K123E	321.060	108.802	84.851	2.171	0.11404	3.21326	6 X
K06A46X	15.6	0.15	K123E	96.415	273.319	125.080	9.988	0.07711	3.17438	4 X
K06A47V	16.0	0.15	K123E	342.283	41.486	137.326	6.108	0.18030	3.19422	5 X
K06B28D	16.6	0.15	K123E	5.181	163.321	311.228	4.276	0.03249	3.35044	4 X
K06BF1S	14.9	0.15	K123E	74.084	111.230	332.176	10.018	0.03888	3.21189	3 X
K06C54G	17.9	0.15	K123E	329.407	173.341	335.299	5.921	0.07912	2.14653	3 W
K06D91Y	18.4	0.15	K123E	30.488	122.449	338.463	3.668	0.04480	2.14985	5 X
K06F11R	17.9	0.15	K123E	240.989	162.054	96.627	2.274	0.14463	2.20046	6 X
K06G13C	18.0	0.15	K123E	266.156	163.915	75.544	3.961	0.09470	2.19086	5 X
K06H09B	17.4	0.15	K123E	209.285	330.941	316.158	2.057	0.14814	2.21390	5 X
K06H27J	18.2	0.15	K123E	320.606	157.149	26.680	2.269	0.05484	2.21350	4 X
K06H59Y	17.4	0.15	K123E	213.931	175.166	105.824	7.613	0.11753	2.26648	4 X
K06H94P	18.6	0.15	K123E	287.654	126.832	85.566	2.051	0.10055	2.18941	5 X
K06HA2E	18.4	0.15	K123E	356.107	344.432	179.163	3.597	0.07924	2.17789	7 X
K06KB2H	17.7	0.15	K123E	324.631	172.756	8.206	2.150	0.04434	2.22616	8 X
K06KE4G	18.5	0.15	K123E	314.362	56.366	132.479	1.062	0.08124	2.20133	7 X
K06L05Z	16.8	0.15	K123E	165.925	204.912	108.061	3.519	0.20685	2.43420	3 X
K06M06M	17.3	0.15	K123E	226.004	339.651	302.279	8.330	0.30426	2.34095	4 X
K06M10J	18.7	0.15	K123E	53.689	272.533	106.173	39.288	0.58608	1.87565	4 X
K06O12Z	16.8	0.15	K123E	157.478	56.016	291.789	5.829	0.20272	2.40715	4 X
K06P03C	16.7	0.15	K123E	174.696	341.270	342.910	6.347	0.12021	2.39388	8 X
K06Q54X	17.6	0.15	K123E	227.922	193.300	84.884	3.683	0.21852	2.33446	4 X
K06QA6K	17.8	0.15	K123E	94.176	43.352	322.861	2.950	0.24952	2.61039	5 X
K06QA6M	17.1	0.15	K123E	219.775	2.089	272.616	1.752	0.18846	2.40078	4 X
K06QE1A	17.0	0.15	K123E	65.650	98.815	306.089	2.588	0.19935	2.60513	3 X
K06R04D	17.4	0.15	K123E	95.689	195.563	167.904	2.469	0.22695	2.63769	3 W
K06R28Q	17.3	0.15	K123E	311.738	308.258	270.141	4.417	0.12458	2.29817	6 X
K06R46X	16.7	0.15	K123E	6.851	356.178	131.205	2.082	0.08407	2.58270	3 X

K06R47Y	17.3	0.15	K123E	111.290	235.106	113.408	7.779	0.25116	2.61306	4 X
K06R94T	17.4	0.15	K123E	230.360	351.687	280.034	1.745	0.18203	2.47616	6 X
K06S02B	16.7	0.15	K123E	66.237	94.400	315.586	14.029	0.20063	2.63523	4 X
K06S08Y	16.3	0.15	K123E	34.854	250.138	213.262	8.246	0.14059	2.58646	4 X
K06S13S	16.7	0.15	K123E	69.297	3.484	17.328	11.738	0.30219	2.73761	3 W
K06S32A	16.7	0.15	K123E	58.792	141.273	245.579	1.542	0.21217	2.75131	4 X
K06S54K	15.9	0.15	K123E	81.479	136.508	244.183	12.449	0.27507	2.67809	2 W
K06S62V	16.0	0.15	K123E	91.193	322.103	37.221	14.331	0.27041	2.69348	3 W
K06S76K	17.5	0.15	K123E	144.312	203.897	121.697	2.145	0.24014	2.58943	4 X
K06S78B	17.4	0.15	K123E	80.497	303.756	111.928	5.524	0.10012	2.57844	5 X
K06S84E	16.7	0.15	K123E	56.085	8.990	18.581	9.721	0.16931	2.76488	3 W
K06S85G	17.7	0.15	K123E	59.610	50.575	21.859	3.953	0.08118	2.58376	3 X
K06S98S	17.6	0.15	K123E	161.325	307.686	14.418	2.499	0.12149	2.57680	4 X
K06SG8K	16.7	0.15	K123E	128.706	52.411	285.874	2.960	0.03431	2.61225	7 X
K06SI4R	17.6	0.15	K123E	108.950	327.500	25.254	0.588	0.22512	2.65503	4 X
K06SL3P	17.6	0.15	K123E	100.361	155.512	214.353	1.527	0.17069	2.60750	3 X
K06SN9A	17.7	0.15	K123E	263.944	240.721	12.791	3.041	0.15246	2.38059	6 X
K06SQ8S	16.9	0.15	K123E	59.276	108.565	308.719	3.974	0.16369	2.69240	3 X
K06SU1H	17.4	0.15	K123E	93.413	213.635	167.554	2.211	0.11261	2.66014	3 X
K06SW4D	16.6	0.15	K123E	328.530	141.435	50.963	4.004	0.20530	2.47178	6 X
K06SW9G	17.8	0.15	K123E	83.372	240.845	156.181	2.203	0.08479	2.63694	5 X
K06SX3O	17.4	0.15	K123E	61.770	346.792	86.507	3.085	0.04699	2.56808	4 X
K06SZ3E	16.5	0.15	K123E	71.009	2.298	45.292	8.587	0.15687	2.66229	3 X
K06SZ4H	17.1	0.15	K123E	87.101	314.303	80.761	4.315	0.15823	2.64461	5 X
K06Sa2W	16.9	0.15	K123E	73.587	292.090	94.916	3.794	0.03341	2.77832	5 X
K06Sd0O	16.5	0.15	K123E	226.469	162.399	102.339	14.478	0.07469	2.62963	4 X
K06Se7D	16.6	0.15	K123E	140.148	220.909	106.378	9.704	0.20538	2.61967	5 X
K06Sf3K	16.5	0.15	K123E	104.773	236.357	112.031	13.708	0.29642	2.68691	4 X
K06T21T	17.2	0.15	K123E	74.759	358.038	53.526	3.456	0.09664	2.67099	5 X
K06T34C	17.2	0.15	K123E	106.209	250.486	111.992	4.248	0.19607	2.64068	5 X
K06T52F	17.2	0.15	K123E	73.044	332.427	76.647	4.199	0.09878	2.71738	3 X
K06T58Z	17.5	0.15	K123E	106.119	47.100	327.578	4.130	0.09828	2.65486	4 X
K06T68E	16.8	0.15	K123E	88.291	108.503	276.981	5.627	0.12754	2.65343	4 X
K06T68O	16.8	0.15	K123E	98.016	305.785	30.732	9.349	0.20509	2.74405	3 W
K06T73A	16.8	0.15	K123E	95.126	72.015	298.262	3.811	0.21790	2.68666	3 X
K06T74P	16.8	0.15	K123E	32.806	154.738	291.919	9.776	0.34613	2.78429	4 X
K06T77E	16.8	0.15	K123E	91.663	284.577	98.670	7.853	0.15649	2.66644	6 X
K06T85S	17.7	0.15	K123E	48.755	97.237	320.801	3.185	0.20008	2.77179	2 X
K06T85Z	16.3	0.15	K123E	354.645	270.334	231.119	12.819	0.09653	2.67132	3 X
K06T88P	17.0	0.15	K123E	63.777	178.628	242.179	6.215	0.07966	2.68338	3 W
K06U21V	17.7	0.15	K123E	160.859	14.318	300.597	1.065	0.18570	2.58747	5 X
K06U26Y	17.2	0.15	K123E	271.959	233.755	1.379	2.098	0.08124	2.54872	5 X
K06U32S	17.6	0.15	K123E	69.941	348.773	56.537	1.760	0.08667	2.70056	5 X
K06U69G	16.8	0.15	K123E	55.000	302.365	123.768	4.556	0.22389	2.72194	6 X
K06U77J	17.0	0.15	K123E	51.673	74.737	6.274	7.715	0.19223	2.67177	4 X
K06U77U	17.8	0.15	K123E	70.190	161.867	254.000	2.394	0.16796	2.66662	3 W
K06U83J	17.2	0.15	K123E	117.602	238.726	105.151	2.676	0.32118	2.66859	3 X
K06U85L	17.2	0.15	K123E	52.382	20.691	47.868	3.998	0.20907	2.76194	5 X
K06U97R	17.6	0.15	K123E	31.300	359.963	55.517	7.777	0.20535	2.85090	2 W
K06UA1T	17.4	0.15	K123E	59.420	315.654	104.817	4.319	0.07697	2.69764	4 X
K06UB5B	17.6	0.15	K123E	302.486	156.731	37.261	1.090	0.03649	2.57913	7 X
K06UB6O	16.9	0.15	K123E	49.412	214.775	210.720	7.350	0.20065	2.71754	3 W
K06UG2X	17.7	0.15	K123E	91.824	284.467	76.479	2.650	0.31678	2.69916	2 X
K06UH6Y	16.7	0.15	K123E	68.940	275.187	131.960	5.616	0.16206	2.67623	3 X
K06UH7W	17.0	0.15	K123E	107.619	281.329	86.540	4.057	0.19344	2.63734	4 X
K06UH8T	16.9	0.15	K123E	44.269	278.061	172.549	8.938	0.16304	2.66513	4 X
K06UJ4E	17.5	0.15	K123E	32.090	73.211	25.648	1.619	0.12191	2.67740	4 X

K06UJ7L	17.2	0.15	K123E	72.200	13.451	46.295	3.719	0.09800	2.66696	5 X
K06UM8J	16.9	0.15	K123E	34.791	121.977	321.371	6.444	0.23122	2.74674	3 X
K06UN7G	16.8	0.15	K123E	62.779	348.530	68.214	3.233	0.12392	2.68242	5 X
K06UR0F	17.3	0.15	K123E	39.236	248.589	216.113	0.871	0.09971	2.65702	4 X
K06UR2E	17.0	0.15	K123E	41.439	204.976	230.050	8.727	0.16746	2.78980	3 W
K06V09L	17.4	0.15	K123E	87.157	301.039	77.251	3.853	0.19704	2.72778	5 X
K06V13Y	17.3	0.15	K123E	6.101	17.620	139.892	4.670	0.61322	2.92457	2 X
K06V15R	17.9	0.15	K123E	41.484	87.032	344.050	2.297	0.17410	2.78123	5 X
K06V28U	17.3	0.15	K123E	65.759	115.518	298.922	3.285	0.05915	2.76125	5 X
K06V41A	17.2	0.15	K123E	31.004	21.115	66.511	3.873	0.06752	2.75007	3 X
K06V53E	17.3	0.15	K123E	89.260	100.658	284.760	4.984	0.12014	2.72707	5 X
K06V60A	17.4	0.15	K123E	37.645	21.650	102.584	2.741	0.12517	2.62609	4 X
K06V82L	16.7	0.15	K123E	220.199	32.873	243.249	13.635	0.06864	2.63475	4 X
K06V87G	16.8	0.15	K123E	96.882	135.013	246.146	13.853	0.10701	2.70288	3 W
K06VB7B	17.3	0.15	K123E	238.594	266.991	346.474	1.415	0.03554	2.68669	5 X
K06VB9R	16.8	0.15	K123E	26.039	34.316	72.098	3.637	0.12630	2.74284	4 X
K06VD2N	17.1	0.15	K123E	316.445	75.151	123.255	3.161	0.09462	2.63784	5 X
K06VE4Z	16.3	0.15	K123E	357.633	239.580	261.245	13.059	0.14139	2.71764	5 X
K06VF4J	16.8	0.15	K123E	28.289	224.070	234.555	7.757	0.09658	2.71582	4 X
K06VH3T	17.7	0.15	K123E	90.932	317.408	67.376	1.452	0.08545	2.76356	3 X
K06W19P	17.4	0.15	K123E	328.672	223.443	315.318	3.674	0.17187	2.63354	4 X
K06W31Z	16.8	0.15	K123E	107.262	251.946	117.125	4.123	0.12661	2.70855	3 X
K06W38W	17.0	0.15	K123E	24.881	20.522	88.345	4.688	0.12353	2.74846	4 X
K06W53C	15.7	0.15	K123E	135.418	247.519	119.009	15.514	0.16115	2.59575	5 X
K06W54L	17.1	0.15	K123E	61.118	39.814	30.768	2.287	0.05673	2.75058	4 X
K06W55Y	16.1	0.15	K123E	337.985	212.662	298.508	11.691	0.10983	2.98842	4 X
K06W68P	16.6	0.15	K123E	48.801	348.483	91.594	9.538	0.20512	2.76863	5 X
K06W83D	17.4	0.15	K123E	175.512	220.628	99.902	6.975	0.03556	2.70838	6 X
K06W94C	16.4	0.15	K123E	252.138	140.300	93.936	5.257	0.02981	2.72473	5 X
K06W98G	16.4	0.15	K123E	34.043	354.233	73.612	3.158	0.06667	2.85949	6 X
K06WA9Q	17.0	0.15	K123E	64.232	178.955	232.763	0.831	0.07165	2.81587	4 X
K06WC3O	15.8	0.15	K123E	335.934	224.380	291.848	11.091	0.05474	2.98206	4 X
K06WD2F	17.6	0.15	K123E	347.168	130.545	27.140	2.360	0.12812	2.68533	4 X
K06WF8J	17.2	0.15	K123E	207.430	193.357	90.972	5.816	0.03918	2.72775	5 X
K06WI5G	15.9	0.15	K123E	95.840	62.205	336.473	26.146	0.31994	2.67020	4 X
K06WI7M	16.6	0.15	K123E	113.627	245.317	100.605	9.978	0.32066	2.69936	3 X
K06WI9K	16.5	0.15	K123E	30.300	354.740	105.979	9.287	0.17894	2.77568	5 X
K06WJ0C	16.7	0.15	K123E	58.401	304.976	109.475	9.004	0.21794	2.78470	7 X
K06WJ2O	17.4	0.15	K123E	124.577	236.230	119.339	0.711	0.08631	2.75269	5 X
K06WK2V	16.3	0.15	K123E	106.380	262.169	113.809	13.016	0.07594	2.92032	5 X
K06X11B	15.6	0.15	K123E	62.152	300.354	87.561	10.270	0.11484	2.98567	6 X
K06X27Z	17.2	0.15	K123E	248.813	119.606	120.887	1.551	0.01336	2.75359	7 X
K06X46E	16.5	0.15	K123E	45.172	0.620	80.070	4.685	0.06953	2.77494	7 X
K06X70R	16.2	0.15	K123E	122.751	27.149	334.390	5.530	0.07766	2.86014	5 X
K06X72X	17.0	0.15	K123E	317.094	100.482	89.514	4.595	0.12348	2.73273	5 X
K06Y33S	17.0	0.15	K123E	33.220	185.773	321.048	8.213	0.23653	2.72093	3 W
K06Y41W	16.9	0.15	K123E	42.623	343.699	99.602	6.162	0.09515	2.85579	6 X
K06Y53D	15.4	0.15	K123E	320.535	259.449	294.853	20.345	0.25934	3.04567	4 X
K07B08E	16.6	0.15	K123E	56.249	119.348	299.590	8.361	0.11921	2.94143	5 X
K07B13N	17.2	0.15	K123E	327.634	63.780	95.396	4.683	0.03917	3.00207	5 X
K07B15Y	16.1	0.15	K123E	142.090	16.408	316.808	10.031	0.18650	2.99180	3 X
K07B16C	16.7	0.15	K123E	228.211	157.210	114.884	7.852	0.14697	2.97022	4 X
K07B41L	16.5	0.15	K123E	65.409	272.370	129.669	11.065	0.10564	3.00872	4 X
K07B61E	16.3	0.15	K123E	191.506	344.479	309.311	8.470	0.01087	2.91802	3 X
K07B63D	16.7	0.15	K123E	336.891	197.411	310.254	7.609	0.03550	3.04138	4 X
K07B66E	16.7	0.15	K123E	19.738	142.415	324.140	5.323	0.03745	3.07408	4 X
K07B71N	16.6	0.15	K123E	312.118	280.352	274.159	2.173	0.22074	3.05002	4 X

K07C04F	15.7	0.15	K123E	129.348	244.912	113.174	13.437	0.15776	2.99381	6 X
K07C33O	16.2	0.15	K123E	280.965	258.434	317.088	9.285	0.05588	3.00028	5 X
K07C35O	16.2	0.15	K123E	122.512	41.707	317.112	8.507	0.06914	3.00802	4 X
K07D16L	16.4	0.15	K123E	43.072	320.680	116.989	6.759	0.14259	3.03855	4 X
K07D30P	16.0	0.15	K123E	62.949	305.067	157.407	12.368	0.04972	2.90219	6 X
K07D32S	15.9	0.15	K123E	44.594	314.920	154.927	9.597	0.06246	2.97383	6 X
K07D60B	14.8	0.15	K123E	285.581	266.014	338.062	18.847	0.19102	3.03472	4 X
K07D86C	15.6	0.15	K123E	37.122	117.665	340.417	8.827	0.05484	3.10945	4 X
K07DB7L	16.4	0.15	K123E	20.709	328.643	155.858	2.389	0.12419	3.10967	3 X
K07E05U	16.2	0.15	K123E	273.953	342.968	242.303	0.713	0.14630	3.13186	4 X
K07E30H	16.4	0.15	K123E	18.338	339.407	157.137	8.003	0.09640	2.99621	4 X
K07E31Y	15.7	0.15	K123E	279.771	97.330	139.113	10.468	0.05987	2.96630	5 X
K07E37Z	15.8	0.15	K123E	358.284	310.667	184.661	15.133	0.08438	3.15575	4 X
K07E79W	15.7	0.15	K123E	344.776	172.529	358.072	11.665	0.09237	3.11086	4 X
K07E82O	15.6	0.15	K123E	100.228	227.103	148.636	26.675	0.11097	3.03997	4 X
K07EB0K	15.7	0.15	K123E	318.092	22.184	172.724	11.391	0.07110	3.16190	3 X
K07EB3K	16.6	0.15	K123E	233.088	135.445	141.805	8.933	0.01392	2.95572	6 X
K07EC2P	15.6	0.15	K123E	347.002	192.984	334.294	8.627	0.15994	3.03840	5 X
K07EC9O	16.5	0.15	K123E	332.168	182.187	339.454	0.325	0.09948	3.13068	4 X
K07ED3J	16.9	0.15	K123E	303.309	128.363	64.949	0.726	0.15162	3.19333	5 X
K07EE5C	17.1	0.15	K123E	297.087	135.331	67.073	2.246	0.12177	3.16219	4 X
K07EF1U	15.8	0.15	K123E	290.340	37.547	162.374	17.015	0.07198	3.20468	3 W
K07EL9S	16.9	0.15	K123E	321.458	22.100	179.282	4.465	0.21158	3.14257	3 W
K07F16J	16.2	0.15	K123E	260.705	50.129	181.031	1.043	0.10738	3.11689	6 X
K07G25H	16.3	0.15	K123E	334.704	70.139	113.039	16.630	0.29505	3.08294	3 X
K07G74Y	15.4	0.15	K123E	358.517	31.329	121.905	17.468	0.18517	3.13869	4 X
K07G76X	16.0	0.15	K123E	312.231	258.003	345.436	9.851	0.20611	3.03174	5 X
K07H05G	14.9	0.15	K123E	298.101	154.522	70.437	15.996	0.22332	3.16777	5 X
K07H41X	16.3	0.15	K123E	40.330	88.398	3.301	3.510	0.03740	3.15694	5 X
K07H90Y	16.5	0.15	K123E	341.032	121.936	64.492	1.017	0.24888	3.08541	5 X
K07J42J	15.8	0.15	K123E	301.578	106.529	118.633	24.759	0.24254	3.18384	3 X
K07J42K	16.8	0.15	K123E	287.853	102.593	114.106	24.092	0.04245	1.94932	5 X
K07K01D	17.0	0.15	K123E	340.336	41.808	134.194	24.461	0.04876	1.95683	5 X
K07O01S	17.4	0.15	K123E	100.579	56.362	295.993	9.362	0.30139	2.31934	5 X
K07P20Q	17.6	0.15	K123E	119.683	59.684	271.118	0.830	0.18511	2.27992	8 X
K07R38N	17.7	0.15	K123E	147.162	186.628	140.531	5.518	0.20732	2.22469	4 X
K07RA6Y	17.7	0.15	K123E	104.217	15.199	352.120	2.918	0.21067	2.26639	4 X
K07RB1Z	18.5	0.15	K123E	117.038	42.172	328.730	0.727	0.06677	2.23420	5 X
K07RB9G	17.9	0.15	K123E	155.153	328.731	2.262	3.855	0.18564	2.19311	6 X
K07RE5Q	17.0	0.15	K123E	129.828	10.341	345.982	7.392	0.19346	2.24636	4 X
K07RF4P	17.8	0.15	K123E	71.500	85.433	328.348	3.863	0.19461	2.25581	5 X
K07RH1R	18.1	0.15	K123E	68.023	347.308	56.672	2.404	0.20590	2.30408	2 X
K07RI2W	16.9	0.15	K123E	50.010	156.307	282.946	5.116	0.25281	2.32430	4 X
K07RK7W	18.1	0.15	K123E	56.682	6.331	31.931	2.876	0.20777	2.37416	2 W
K07RL4B	17.7	0.15	K123E	67.814	120.933	284.518	2.260	0.18894	2.31692	2 X
K07RM0T	17.7	0.15	K123E	48.316	85.486	346.856	2.482	0.19441	2.33308	3 X
K07RM3Q	17.9	0.15	K123E	68.771	76.201	326.698	0.461	0.17764	2.36470	3 X
K07RM7Y	17.5	0.15	K123E	274.805	198.324	56.025	3.833	0.11447	2.20394	4 X
K07RN9S	17.8	0.15	K123E	78.341	265.269	115.212	6.229	0.25891	2.33687	2 X
K07RR2W	17.4	0.15	K123E	79.529	67.091	353.224	7.843	0.09380	2.23182	4 X
K07RV1O	16.7	0.15	K123E	107.716	250.044	94.908	7.400	0.15088	2.34181	4 X
K07S04D	15.7	0.15	K123E	46.690	158.258	222.890	17.162	0.21592	2.57012	3 X
K07S05R	17.9	0.15	K123E	154.291	312.260	15.676	2.509	0.19996	2.21681	7 X
K07S11J	17.8	0.15	K123E	144.572	278.564	57.685	1.406	0.19803	2.23318	7 X
K07S23G	17.5	0.15	K123E	73.311	68.175	358.169	8.221	0.08533	2.27957	4 X
K07T08Y	17.3	0.15	K123E	100.540	282.857	88.737	4.203	0.19392	2.33732	5 X
K07T18K	17.8	0.15	K123E	143.031	264.635	66.480	2.902	0.23420	2.24835	5 X

K07T19Q	17.2	0.15	K123E	104.106	61.657	302.769	5.375	0.16865	2.31830	3 X
K07T57W	17.9	0.15	K123E	83.587	176.932	208.710	0.792	0.18269	2.36014	4 X
K07T64R	17.9	0.15	K123E	39.213	302.147	136.894	1.803	0.15511	2.39043	6 X
K07T69O	18.4	0.15	K123E	63.249	25.461	351.860	2.596	0.21358	2.42814	3 X
K07T78B	17.2	0.15	K123E	68.685	94.365	311.434	1.410	0.17678	2.35878	3 X
K07TA7S	17.7	0.15	K123E	69.527	209.776	201.870	5.117	0.12985	2.29208	4 X
K07TB6L	17.6	0.15	K123E	321.995	242.399	279.158	3.705	0.09976	2.20178	3 X
K07TC2B	17.2	0.15	K123E	63.748	354.036	53.469	2.409	0.17649	2.36506	3 X
K07TC3F	18.4	0.15	K123E	73.399	333.206	56.049	3.204	0.20405	2.37936	2 W
K07TC8K	18.0	0.15	K123E	49.737	176.446	250.662	1.145	0.17829	2.38571	4 X
K07TE0K	17.4	0.15	K123E	79.915	280.329	88.384	2.384	0.22296	2.39613	3 X
K07TE8B	17.3	0.15	K123E	111.488	272.092	97.003	3.721	0.18155	2.28089	3 X
K07TG0X	18.0	0.15	K123E	112.197	285.122	69.984	2.504	0.20337	2.30889	4 X
K07TG0Y	17.1	0.15	K123E	62.974	69.765	350.079	4.708	0.19103	2.35122	4 X
K07TG3W	17.7	0.15	K123E	90.485	307.836	63.372	0.976	0.24531	2.35695	2 X
K07TH1L	17.0	0.15	K123E	55.144	190.104	243.987	3.080	0.21128	2.33033	4 X
K07TJ2S	17.3	0.15	K123E	3.830	187.382	305.312	2.119	0.09355	2.27474	5 X
K07TM9K	17.7	0.15	K123E	118.797	320.172	35.415	2.757	0.16989	2.31247	3 X
K07TO4L	17.1	0.15	K123E	92.159	70.491	312.269	6.951	0.10593	2.31510	2 X
K07TO4U	16.7	0.15	K123E	85.797	100.751	270.020	6.238	0.12220	2.37928	4 X
K07TP7L	18.4	0.15	K123E	100.148	353.638	39.311	2.242	0.04153	2.28346	6 X
K07TQ6K	18.0	0.15	K123E	75.308	305.130	83.938	1.362	0.23613	2.38419	4 X
K07TT6J	17.4	0.15	K123E	359.699	143.486	8.849	6.364	0.06216	2.20291	5 X
K07TT9Q	17.7	0.15	K123E	55.270	74.772	8.004	1.830	0.16175	2.30309	5 X
K07TV7H	17.1	0.15	K123E	36.539	18.165	82.015	4.230	0.13371	2.33870	7 X
K07TW0X	18.5	0.15	K123E	70.526	58.252	359.168	2.877	0.13809	2.26778	4 X
K07TX1E	17.1	0.15	K123E	64.280	185.792	240.250	4.431	0.14598	2.33267	3 W
K07TX8W	18.1	0.15	K123E	41.687	314.481	125.903	3.902	0.14662	2.31768	5 X
K07Ta9O	18.0	0.15	K123E	70.365	109.361	307.351	2.476	0.06416	2.33709	6 X
K07Tb6L	17.4	0.15	K123E	80.873	287.218	105.735	5.501	0.15232	2.31461	4 X
K07Tc0Q	18.0	0.15	K123E	28.813	38.726	60.847	2.684	0.08432	2.32066	7 X
K07Tc1C	17.4	0.15	K123E	56.477	301.805	118.845	2.100	0.17005	2.36384	5 X
K07Tc2B	18.4	0.15	K123E	64.449	258.489	149.382	1.535	0.18706	2.37550	4 X
K07Tc3X	17.9	0.15	K123E	88.465	329.518	51.375	2.188	0.19325	2.36163	3 X
K07Td2W	17.6	0.15	K123E	39.182	95.749	343.504	2.006	0.17820	2.39055	5 X
K07Te0G	17.6	0.15	K123E	139.032	210.803	117.693	7.803	0.32839	2.25692	4 X
K07Te6U	17.7	0.15	K123E	88.354	348.313	38.799	2.143	0.19509	2.34706	4 X
K07Th3T	17.6	0.15	K123E	47.158	306.653	125.493	5.178	0.17672	2.35702	4 X
K07Ti7K	17.3	0.15	K123E	32.094	7.434	97.532	6.856	0.13824	2.32219	4 X
K07U02W	17.5	0.15	K123E	8.999	59.351	69.912	3.264	0.10876	2.28272	7 X
K07U04T	17.9	0.15	K123E	67.928	43.902	13.121	1.771	0.21439	2.31742	4 X
K07U14X	16.7	0.15	K123E	77.078	271.942	110.380	11.904	0.27578	2.36525	4 X
K07U23Y	17.6	0.15	K123E	21.704	334.189	132.160	2.675	0.16440	2.37807	4 X
K07U34G	17.0	0.15	K123E	20.818	169.167	296.543	11.303	0.21054	2.36849	3 X
K07U35G	18.1	0.15	K123E	102.899	294.382	84.351	4.924	0.15913	2.27899	4 X
K07U68E	17.8	0.15	K123E	70.610	125.703	254.124	0.454	0.17919	2.44156	4 X
K07U73S	17.8	0.15	K123E	37.274	78.479	12.217	1.194	0.11085	2.33593	3 X
K07U78Y	17.7	0.15	K123E	52.694	23.959	44.293	2.022	0.18750	2.37918	6 X
K07U96B	17.7	0.15	K123E	60.454	96.920	314.793	1.949	0.18004	2.37614	4 X
K07UA1C	17.5	0.15	K123E	199.430	245.825	59.325	3.423	0.17449	2.24893	4 X
K07UA6T	18.0	0.15	K123E	32.064	188.202	241.862	3.183	0.16155	2.45751	3 X
K07UD9R	17.0	0.15	K123E	141.977	11.418	316.299	3.192	0.28204	2.32037	4 X
K07UE0S	17.3	0.15	K123E	66.550	287.903	121.668	6.647	0.18239	2.38318	5 X
K07V02X	13.1	0.15	K123E	50.674	113.995	308.778	14.546	0.11065	5.17647	4 X
K07V11T	17.8	0.15	K123E	88.310	290.214	89.064	3.341	0.23713	2.37743	3 X
K07V12F	17.5	0.15	K123E	97.705	320.973	54.379	3.011	0.22285	2.35203	3 X
K07V18J	17.6	0.15	K123E	359.054	41.846	75.926	2.374	0.13803	2.40042	4 X

K07V48Z	18.7	0.15	K123E	54.179	127.421	289.316	3.864	0.18943	2.41082	3 X
K07V63N	17.7	0.15	K123E	79.347	234.247	164.727	1.098	0.09170	2.39405	6 X
K07V64Q	17.4	0.15	K123E	72.407	16.942	25.760	1.215	0.16139	2.41275	5 X
K07V80J	18.2	0.15	K123E	92.320	333.634	44.017	2.055	0.19435	2.38658	4 X
K07VA5H	17.6	0.15	K123E	47.960	67.372	20.095	1.519	0.14826	2.35659	4 X
K07VA8P	18.4	0.15	K123E	346.256	86.264	66.658	2.050	0.12588	2.36534	3 X
K07VB1N	18.1	0.15	K123E	304.469	145.841	62.517	3.364	0.14877	2.30503	5 X
K07VC5X	16.7	0.15	K123E	22.585	235.583	239.180	22.237	0.25424	2.38324	3 W
K07VJ4S	17.3	0.15	K123E	26.699	18.391	96.135	7.039	0.08522	2.45512	7 X
K07VO4W	17.9	0.15	K123E	11.973	118.552	358.428	1.287	0.13984	2.40711	4 X
K07VP1Y	17.1	0.15	K123E	38.498	359.335	98.701	5.588	0.10246	2.33738	5 X
K07VP2Q	17.3	0.15	K123E	83.800	38.147	359.859	3.979	0.18012	2.35745	7 X
K07VP4U	17.4	0.15	K123E	90.697	285.528	94.481	4.579	0.18684	2.36019	5 X
K07VQ4J	17.4	0.15	K123E	115.276	331.049	26.087	1.846	0.19968	2.35781	3 X
K07VS8D	17.2	0.15	K123E	31.593	143.022	310.891	4.474	0.15771	2.40917	4 X
K07VT1G	18.2	0.15	K123E	54.781	233.276	186.751	1.206	0.17627	2.43009	4 X
K07VT4X	16.4	0.15	K123E	13.621	40.596	94.587	6.363	0.23648	2.58610	4 X
K07VT5M	17.3	0.15	K123E	85.474	98.613	290.822	5.726	0.14497	2.37794	5 X
K07VU1Q	17.5	0.15	K123E	7.711	98.359	40.079	3.414	0.08403	2.31838	5 X
K07VU3L	16.6	0.15	K123E	68.525	279.396	118.750	10.947	0.21413	2.36283	3 X
K07VU8R	18.7	0.15	K123E	68.257	217.170	187.986	0.657	0.17150	2.40048	3 X
K07VV0M	17.2	0.15	K123E	53.385	115.040	306.441	11.946	0.18282	2.59638	2 X
K07VV1A	17.0	0.15	K123E	52.139	299.362	100.347	8.639	0.19518	2.61803	4 X
K07VW0C	17.3	0.15	K123E	158.523	10.536	332.192	6.093	0.15683	2.22054	4 X
K07VW4A	17.5	0.15	K123E	101.783	320.248	47.135	2.452	0.19824	2.36791	6 X
K07VX3M	17.4	0.15	K123E	73.216	297.043	151.724	5.498	0.10500	2.28563	5 X
K07W44F	16.8	0.15	K123E	64.928	293.726	113.731	10.050	0.15541	2.59581	3 X
K07W54Q	16.8	0.15	K123E	348.086	224.143	279.629	4.331	0.08468	2.60720	4 X
K07W59S	17.9	0.15	K123E	70.527	7.510	40.191	2.092	0.17239	2.41596	4 X
K07W60Z	17.2	0.15	K123E	11.723	237.518	263.124	4.142	0.13516	2.37063	5 X
K07X17U	17.3	0.15	K123E	29.416	202.477	270.470	8.668	0.18914	2.40121	2 X
K07X28C	17.8	0.15	K123E	50.962	139.492	318.284	5.246	0.19119	2.39988	4 X
K07X32Z	16.9	0.15	K123E	350.499	123.818	30.646	1.957	0.15343	2.47366	4 X
K07X43C	17.9	0.15	K123E	338.478	230.296	289.274	1.480	0.13616	2.43642	3 W
K07X45E	17.5	0.15	K123E	125.773	247.005	94.993	3.145	0.21927	2.41637	4 X
K07X50E	17.1	0.15	K123E	47.413	295.299	132.493	1.597	0.14374	2.51813	3 X
K07X52K	17.4	0.15	K123E	76.445	295.950	109.213	9.422	0.18759	2.45507	3 X
K07X54W	17.2	0.15	K123E	330.122	78.234	90.185	2.295	0.12989	2.40670	6 X
K07X55D	17.0	0.15	K123E	81.445	64.125	315.272	5.385	0.25678	2.53400	4 X
K07X56X	17.8	0.15	K123E	86.337	141.600	259.758	1.490	0.19429	2.36260	4 X
K07X59J	16.6	0.15	K123E	46.631	347.618	61.273	8.382	0.22755	2.58265	3 X
K07Y20S	16.4	0.15	K123E	115.728	228.573	118.642	3.091	0.24006	2.48010	4 X
K07Y30V	16.9	0.15	K123E	60.111	138.706	254.380	0.350	0.16059	2.51206	4 X
K07Y37F	17.4	0.15	K123E	109.174	319.735	44.538	2.787	0.19011	2.46936	5 X
K07Y43G	17.9	0.15	K123E	51.320	312.716	112.332	15.710	0.20163	2.52751	3 X
K07Y43N	17.8	0.15	K123E	359.490	27.258	110.337	12.669	0.18602	2.53817	3 X
K07Y53X	16.7	0.15	K123E	66.020	104.660	302.774	7.694	0.20851	2.39058	2 X
K07Y65K	17.3	0.15	K123E	110.661	44.364	327.823	6.411	0.12805	2.46427	2 X
K07Y67S	16.8	0.15	K123E	41.301	47.074	55.932	6.020	0.14335	2.43030	4 X
K07Y72G	16.6	0.15	K123E	32.555	333.437	98.252	13.019	0.16863	2.62512	4 X
K08A02P	17.0	0.15	K123E	38.066	325.150	107.163	7.819	0.27502	2.55164	4 X
K08A03E	16.9	0.15	K123E	27.197	335.214	113.755	6.566	0.24420	2.58384	3 X
K08A05G	17.2	0.15	K123E	63.010	91.905	313.012	3.872	0.27172	2.54110	3 X
K08A10K	17.1	0.15	K123E	343.536	230.811	280.036	4.937	0.11038	2.54925	5 X
K08A26W	17.9	0.15	K123E	292.898	86.519	134.514	4.327	0.21483	2.60897	3 X
K08A30E	17.1	0.15	K123E	86.465	333.368	84.627	7.867	0.06590	2.43355	7 X
K08A35Q	16.9	0.15	K123E	300.107	78.428	121.655	9.751	0.06647	2.53427	2 X

K08A54L	17.1	0.15	K123E	73.086	81.856	304.281	6.323	0.27678	2.53497	4 X
K08A60W	16.4	0.15	K123E	154.908	41.666	283.774	8.376	0.09121	2.57733	4 X
K08A62B	18.2	0.15	K123E	59.038	282.300	119.814	6.010	0.25342	2.57338	3 X
K08A67H	17.5	0.15	K123E	334.284	80.270	127.915	3.724	0.15099	2.41553	5 X
K08A68J	17.5	0.15	K123E	41.215	352.072	128.459	2.350	0.11428	2.43394	5 X
K08A68S	18.4	0.15	K123E	29.012	317.186	130.731	4.615	0.27055	2.57048	3 X
K08A69M	17.0	0.15	K123E	22.713	340.774	124.509	5.091	0.09583	2.59010	3 X
K08A78V	17.3	0.15	K123E	59.411	100.095	322.064	2.442	0.03761	2.59407	3 X
K08A80K	17.1	0.15	K123E	343.519	211.883	270.549	3.859	0.00242	2.71463	3 X
K08A81N	17.0	0.15	K123E	314.339	257.868	286.935	2.918	0.12683	2.60816	7 X
K08AD1L	18.7	0.15	K123E	346.151	37.452	120.032	6.800	0.17666	2.53695	2 X
K08B03P	16.9	0.15	K123E	80.319	261.862	132.464	14.622	0.10333	2.55491	4 X
K08B04F	18.2	0.15	K123E	37.428	136.437	344.611	4.537	0.16113	2.42100	3 X
K08B15Y	16.9	0.15	K123E	338.251	223.765	313.975	5.191	0.09105	2.48079	5 X
K08B21L	17.6	0.15	K123E	54.277	95.681	326.037	3.867	0.28615	2.57657	4 X
K08B21Z	17.0	0.15	K123E	330.052	171.111	347.976	12.822	0.17317	2.70755	3 X
K08B33U	17.7	0.15	K123E	0.327	0.379	135.176	5.368	0.21435	2.58610	3 W
K08B36N	17.6	0.15	K123E	34.735	287.153	150.970	5.599	0.28682	2.63129	3 X
K08B41M	17.1	0.15	K123E	346.855	70.752	122.244	2.952	0.14461	2.42999	6 X
K08B46J	15.8	0.15	K123E	116.897	44.775	332.877	15.064	0.14431	2.60112	4 X
K08B48Y	17.2	0.15	K123E	103.234	226.962	153.361	1.949	0.03711	2.65312	3 X
K08B52H	16.7	0.15	K123E	52.920	127.189	311.659	12.768	0.13767	2.59618	6 X
K08B53V	17.3	0.15	K123E	190.806	327.752	331.723	3.954	0.04744	2.68814	4 X
K08C03T	17.1	0.15	K123E	296.582	215.419	355.805	4.234	0.08542	2.61672	5 X
K08C14V	16.9	0.15	K123E	339.749	25.636	133.117	10.214	0.08754	2.63299	3 X
K08C20V	16.8	0.15	K123E	52.579	324.702	114.683	12.380	0.20329	2.53222	2 X
K08C33L	16.0	0.15	K123E	40.070	170.708	262.966	11.638	0.24807	2.55134	3 X
K08C34G	17.4	0.15	K123E	24.726	135.730	324.120	4.317	0.26875	2.56954	4 X
K08C43G	16.5	0.15	K123E	141.206	213.521	122.449	7.276	0.04849	2.78631	2 W
K08C46P	16.2	0.15	K123E	256.045	284.830	323.112	7.252	0.13679	2.74227	5 X
K08C47B	16.4	0.15	K123E	20.972	343.528	142.177	12.879	0.19906	2.47186	3 X
K08C53X	16.4	0.15	K123E	287.185	281.964	299.738	11.576	0.16941	2.60575	5 X
K08C73J	16.5	0.15	K123E	76.481	297.953	111.423	13.660	0.15523	2.55275	3 X
K08CC0Y	16.3	0.15	K123E	23.561	318.751	141.082	27.549	0.22171	2.61669	3 X
K08CD1K	17.3	0.15	K123E	72.424	69.389	338.214	4.662	0.27911	2.55131	5 X
K08CD8K	17.1	0.15	K123E	275.192	59.769	146.314	8.412	0.16036	2.80256	3 W
K08CE0O	16.9	0.15	K123E	63.505	283.462	161.409	9.497	0.07256	2.57469	4 X
K08CE5D	17.3	0.15	K123E	314.846	259.878	272.969	1.650	0.18920	2.69989	4 X
K08CE5J	17.6	0.15	K123E	318.842	249.421	303.902	2.745	0.21827	2.61806	4 X
K08CF2Z	16.4	0.15	K123E	34.228	303.522	144.152	12.466	0.15203	2.65774	3 X
K08CF4D	16.9	0.15	K123E	105.695	248.888	124.672	7.287	0.08739	2.74571	5 X
K08CG0N	16.5	0.15	K123E	36.317	139.704	306.645	4.990	0.04800	2.74296	7 X
K08CH5S	16.9	0.15	K123E	1.448	166.074	342.652	14.936	0.05549	2.52307	6 X
K08CI2Z	16.2	0.15	K123E	259.682	119.313	121.204	10.067	0.11719	2.73831	6 X
K08CI4U	16.1	0.15	K123E	320.713	299.757	260.547	14.935	0.26406	2.68198	3 X
K08CJ2T	17.2	0.15	K123E	37.951	324.249	110.741	4.447	0.25846	2.61096	2 X
K08CJ4L	16.6	0.15	K123E	305.822	99.654	147.088	7.797	0.17065	2.57329	6 X
K08CJ9M	17.5	0.15	K123E	52.435	292.609	162.359	2.924	0.03204	2.65638	5 X
K08CK1Q	17.0	0.15	K123E	277.783	252.340	331.878	6.493	0.04015	2.64064	3 X
K08CK2T	17.6	0.15	K123E	29.618	80.557	27.347	3.317	0.02388	2.64487	4 X
K08CK4F	16.6	0.15	K123E	122.641	252.180	99.031	4.451	0.08955	2.77373	7 X
K08CK9T	17.5	0.15	K123E	357.178	149.061	341.875	5.521	0.23299	2.61370	3 X
K08D02L	16.6	0.15	K123E	315.849	78.129	148.404	6.890	0.13860	2.42917	5 X
K08D34H	17.4	0.15	K123E	14.642	139.987	334.019	3.099	0.21548	2.66369	4 X
K08D37P	17.0	0.15	K123E	117.626	24.737	356.205	5.812	0.03272	2.72638	5 X
K08D44F	17.2	0.15	K123E	349.051	67.554	88.673	4.695	0.13968	2.67272	6 X
K08D46A	16.6	0.15	K123E	167.651	219.753	93.957	6.265	0.15327	2.78331	4 X

K08D47O	16.9	0.15	K123E	282.758	201.899	23.279	5.165	0.05192	2.71074	5 X
K08D49Q	16.5	0.15	K123E	291.492	100.788	112.196	15.701	0.06834	2.54302	3 X
K08D53X	17.1	0.15	K123E	13.217	6.136	153.597	5.002	0.04940	2.59921	4 X
K08D56J	16.7	0.15	K123E	2.810	25.224	114.561	15.052	0.04842	2.62373	3 X
K08D56W	17.2	0.15	K123E	156.044	251.180	93.107	6.154	0.03729	2.60598	6 X
K08D60W	17.2	0.15	K123E	15.814	347.276	126.814	3.113	0.15901	2.63655	5 X
K08D72T	16.7	0.15	K123E	255.393	273.492	337.305	5.184	0.13246	2.68100	4 X
K08D76J	17.7	0.15	K123E	304.834	185.404	3.736	1.416	0.05653	2.68766	5 X
K08D77A	16.3	0.15	K123E	245.149	121.880	102.269	3.381	0.01832	2.92411	4 X
K08E02H	16.9	0.15	K123E	329.568	68.959	140.550	3.211	0.11824	2.56672	8 X
K08E05A	16.1	0.15	K123E	321.207	248.767	316.434	28.307	0.13488	2.57865	4 X
K08E34E	16.6	0.15	K123E	270.532	284.898	317.151	11.428	0.12437	2.66656	5 X
K08E41M	16.6	0.15	K123E	180.696	193.335	106.679	7.980	0.06228	2.77218	6 X
K08E51W	17.0	0.15	K123E	71.448	303.655	105.161	7.024	0.02071	2.77341	6 X
K08E56W	16.4	0.15	K123E	25.020	341.406	132.469	8.455	0.16279	2.61344	6 X
K08E57L	17.0	0.15	K123E	17.187	323.311	161.314	13.758	0.20457	2.63313	4 X
K08E59Q	17.1	0.15	K123E	289.202	205.844	11.874	1.436	0.16784	2.71864	5 X
K08E74F	16.4	0.15	K123E	114.401	288.802	84.521	4.737	0.10801	2.80512	6 X
K08E75M	16.8	0.15	K123E	285.885	156.049	79.432	3.305	0.20537	2.71051	5 X
K08E86A	17.8	0.15	K123E	20.716	2.086	141.043	6.787	0.20188	2.52670	5 X
K08EB2C	17.6	0.15	K123E	36.145	43.192	45.788	1.982	0.03319	2.70702	5 X
K08EC7R	18.0	0.15	K123E	16.279	356.341	129.175	6.597	0.19345	2.58265	3 X
K08EF6N	16.9	0.15	K123E	239.373	84.641	194.337	5.809	0.05139	2.67735	5 X
K08EG5G	17.6	0.15	K123E	335.861	214.736	304.822	2.345	0.12458	2.74343	4 X
K08EG5L	15.9	0.15	K123E	105.704	244.425	157.120	21.897	0.05600	2.65888	5 X
K08F00T	17.6	0.15	K123E	319.349	262.524	277.584	2.038	0.11048	2.67599	3 X
K08F02N	16.7	0.15	K123E	156.117	114.855	215.654	0.269	0.07465	2.76272	9 X
K08F07Q	16.7	0.15	K123E	314.074	80.443	119.397	6.070	0.05065	2.71392	5 X
K08F10S	16.7	0.15	K123E	149.046	9.026	322.085	3.832	0.07579	2.77292	5 X
K08F14Y	17.0	0.15	K123E	351.775	289.724	253.806	1.136	0.22361	2.59828	5 X
K08F23D	16.9	0.15	K123E	196.789	165.895	148.147	6.622	0.06823	2.79017	5 X
K08F24R	15.9	0.15	K123E	111.117	246.715	111.374	8.570	0.18300	3.13485	6 X
K08F62R	17.7	0.15	K123E	28.001	340.234	119.631	3.289	0.16566	2.64426	3 W
K08F68W	16.0	0.15	K123E	198.160	207.957	78.825	3.682	0.08710	3.04908	4 X
K08F76G	16.2	0.15	K123E	276.155	109.394	141.498	14.313	0.13739	2.71916	5 X
K08FA3T	16.0	0.15	K123E	181.722	210.568	95.677	6.131	0.12948	3.11235	5 X
K08FA9B	16.9	0.15	K123E	217.184	177.268	92.151	3.264	0.02033	2.86460	3 X
K08FA9R	16.4	0.15	K123E	207.953	222.358	68.858	4.387	0.05701	2.81043	5 X
K08FB5V	16.7	0.15	K123E	225.370	154.839	107.501	3.205	0.01646	2.86446	4 X
K08FB5Y	17.0	0.15	K123E	225.108	184.752	78.936	3.180	0.01584	2.86172	3 X
K08FD5X	16.7	0.15	K123E	0.975	15.914	130.403	5.794	0.09786	2.78381	5 X
K08FD7W	16.3	0.15	K123E	334.788	74.683	122.090	13.652	0.20387	2.62349	4 X
K08G01E	19.5	0.15	K123E	44.778	312.820	129.742	6.718	0.24782	1.65143	3 X
K08G05N	17.0	0.15	K123E	224.828	296.813	334.617	4.200	0.12729	2.79734	5 X
K08G08E	18.0	0.15	K123E	32.231	169.695	300.049	1.664	0.15296	2.60149	4 X
K08G55C	16.7	0.15	K123E	198.844	150.335	134.667	2.639	0.14380	3.02896	6 X
K08G64R	16.5	0.15	K123E	236.688	165.526	86.860	3.396	0.04565	2.87009	6 X
K08GA3H	17.3	0.15	K123E	232.355	191.518	83.464	1.757	0.03148	2.75969	5 X
K08GA6B	16.8	0.15	K123E	42.574	24.538	67.976	2.714	0.06144	2.79751	6 X
K08GA7B	16.6	0.15	K123E	3.999	330.821	158.224	9.502	0.14068	2.73647	4 X
K08GB4Z	16.7	0.15	K123E	253.290	128.868	105.697	6.044	0.07410	2.96857	6 X
K08GB8E	16.8	0.15	K123E	339.052	336.856	201.366	4.614	0.05657	2.72512	4 X
K08GC8H	16.1	0.15	K123E	332.302	78.199	151.947	29.181	0.32644	2.61348	4 X
K08GC9D	16.3	0.15	K123E	220.414	223.441	45.213	0.556	0.14067	3.12504	6 X
K08GE4T	16.4	0.15	K123E	225.371	165.131	101.717	8.309	0.08027	2.96794	5 X
K08GE6E	16.1	0.15	K123E	158.858	211.499	129.652	12.492	0.07098	3.06413	4 X
K08H08U	16.1	0.15	K123E	358.496	15.335	111.184	10.809	0.01970	2.99506	4 X



K08H08W	15.7	0.15	K123E	176.272	201.486	109.857	11.249	0.08959	3.07448	4 X
K08H11P	15.6	0.15	K123E	157.015	213.134	115.173	10.130	0.08138	3.15125	6 X
K08H19W	15.4	0.15	K123E	110.210	272.923	107.212	13.419	0.08603	3.07961	4 X
K08H26A	16.1	0.15	K123E	63.760	289.871	119.253	7.401	0.07598	3.20075	4 X
K08H36H	16.8	0.15	K123E	282.602	115.830	145.742	7.863	0.08717	2.74403	7 X
K08H65B	16.2	0.15	K123E	153.229	209.508	121.686	11.372	0.05132	3.06701	4 X
K08J20K	15.7	0.15	K123E	208.188	189.283	90.068	16.603	0.24011	3.15794	3 W
K08J21B	16.2	0.15	K123E	238.424	134.267	126.433	8.842	0.16407	3.12186	5 X
K08J33L	15.6	0.15	K123E	172.935	211.629	104.404	11.700	0.06745	3.11859	4 X
K08K01Q	16.8	0.15	K123E	342.761	42.889	155.915	6.173	0.20594	2.68090	5 X
K08K17L	16.0	0.15	K123E	1.371	4.923	120.445	11.319	0.05143	3.12421	5 X
K08K41X	15.9	0.15	K123E	79.315	292.990	109.248	16.001	0.06996	3.18325	4 X
K08L04B	15.6	0.15	K123E	220.454	143.573	123.382	9.831	0.03056	3.12313	6 X
K08M00A	15.7	0.15	K123E	235.531	151.478	115.533	15.801	0.19095	3.08102	5 X
K08N01S	17.3	0.15	K123E	2.012	208.982	307.832	14.055	0.80271	2.42314	2 S
K08Q00Y	18.4	0.15	K123E	343.146	254.750	2.053	13.585	0.58146	1.16696	3 X
K08Q40S	13.8	0.15	K123E	24.427	131.080	324.319	4.231	0.08344	5.25894	7 X
K08R16Y	14.0	0.15	K123E	65.251	120.084	290.482	3.622	0.06375	5.16723	6 X
K08RA9P	14.1	0.15	K123E	46.342	12.170	61.064	2.294	0.03738	5.08550	4 X
K08RC3A	13.9	0.15	K123E	147.240	6.139	319.990	6.597	0.03030	5.26031	3 W
K08RC3B	13.6	0.15	K123E	355.151	197.788	287.017	5.958	0.04737	5.12548	5 X
K08RC5O	14.2	0.15	K123E	43.369	176.926	249.165	2.830	0.09053	5.15344	4 X
K08SJ8P	13.5	0.15	K123E	55.618	134.346	285.342	9.494	0.05264	5.30082	4 X
K08SR4X	13.6	0.15	K123E	55.853	0.424	73.185	5.021	0.06270	5.25055	5 X
K08SR6X	14.4	0.15	K123E	141.937	31.029	294.979	11.804	0.11671	5.17318	3 X
K08T02P	17.4	0.15	K123E	39.769	217.188	222.998	21.152	0.07037	1.94193	4 X
K08T49V	13.5	0.15	K123E	94.253	9.560	21.055	4.341	0.07135	5.19217	7 X
K08TF0K	14.0	0.15	K123E	150.657	233.727	90.124	2.630	0.03326	5.15852	4 X
K08UJ0B	14.0	0.15	K123E	124.671	280.428	64.643	3.304	0.12248	5.18139	7 X
K08UU0K	13.7	0.15	K123E	15.232	153.769	314.573	9.697	0.06780	5.17587	2 X
K08W13Z	18.6	0.15	K123E	358.929	133.638	51.980	8.178	0.56071	1.99748	2 X
K08X01Y	16.7	0.15	K123E	67.894	107.329	249.027	22.996	0.30392	2.16111	3 X
K08X04V	16.9	0.15	K123E	133.498	74.902	286.198	15.731	0.11957	1.99313	3 K
K09B68H	17.8	0.15	K123E	276.057	272.963	322.505	4.953	0.14838	2.18222	3 X
K09BE5J	18.0	0.15	K123E	296.806	124.698	64.344	1.111	0.10972	2.22314	6 X
K09C14Q	17.8	0.15	K123E	253.379	287.801	333.865	5.215	0.12933	2.17223	6 X
K09C29P	18.2	0.15	K123E	271.407	123.158	108.647	3.450	0.09478	2.18795	3 X
K09C45Z	18.1	0.15	K123E	104.847	51.651	314.078	1.679	0.02075	2.19688	3 X
K09D04L	17.4	0.15	K123E	250.843	143.137	135.280	25.245	0.21180	2.12266	4 X
K09D16A	18.0	0.15	K123E	316.759	250.763	290.556	0.986	0.08065	2.18286	5 X
K09D31R	17.3	0.15	K123E	77.341	86.316	341.903	7.610	0.06275	2.18308	4 X
K09D48Z	17.9	0.15	K123E	244.861	210.946	50.584	1.390	0.19362	2.26877	6 X
K09D80P	16.9	0.15	K123E	185.844	297.318	337.531	5.566	0.17217	2.33762	4 X
K09D81Y	16.8	0.15	K123E	88.361	259.497	104.137	4.116	0.17811	2.52167	4 X
K09D97G	17.2	0.15	K123E	132.582	279.538	72.314	2.520	0.07831	2.26688	6 X
K09DA1U	18.0	0.15	K123E	356.598	24.100	94.200	5.357	0.06604	2.32299	3 X
K09DC7P	18.1	0.15	K123E	278.837	114.402	114.883	1.902	0.17801	2.27966	5 X
K09DC8F	17.9	0.15	K123E	194.431	13.694	278.789	2.540	0.08800	2.28602	6 X
K09DD5V	17.4	0.15	K123E	334.185	209.629	312.869	6.817	0.04844	2.29029	3 X
K09E04N	17.2	0.15	K123E	282.491	108.501	113.893	4.134	0.11319	2.25525	5 X
K09E13K	17.4	0.15	K123E	273.901	284.869	327.718	3.489	0.14868	2.13901	4 X
K09E16D	18.4	0.15	K123E	330.931	109.936	57.863	1.614	0.04689	2.20309	6 X
K09E21C	17.2	0.15	K123E	2.729	27.683	105.881	5.437	0.10332	2.19300	4 X
K09E25U	17.6	0.15	K123E	338.864	67.912	95.342	3.448	0.09847	2.25763	4 X
K09F05C	17.9	0.15	K123E	286.393	171.664	78.426	6.337	0.23583	2.22172	5 X
K09F19J	18.0	0.15	K123E	320.573	62.119	132.182	4.941	0.06672	2.18040	5 X
K09F21O	17.8	0.15	K123E	288.853	120.214	93.039	4.485	0.06413	2.26548	5 X

K09F27A	18.1	0.15	K123E	277.490	273.042	310.016	3.451	0.06819	2.22925	4 X
K09F32U	17.0	0.15	K123E	343.197	20.737	112.661	23.637	0.19604	2.28540	4 X
K09F37L	17.7	0.15	K123E	27.566	23.779	82.821	3.558	0.08636	2.25363	6 X
K09F46C	17.4	0.15	K123E	269.725	111.922	123.361	1.947	0.14363	2.36999	5 X
K09F47F	17.2	0.15	K123E	201.474	171.949	121.852	2.947	0.08969	2.39645	7 X
K09F54V	17.5	0.15	K123E	50.027	316.782	120.002	4.209	0.12971	2.18549	3 X
K09F64W	18.7	0.15	K123E	332.295	76.002	100.067	2.261	0.14566	2.23211	3 X
K09F69C	17.9	0.15	K123E	264.017	111.970	135.896	1.353	0.18595	2.34128	4 X
K09F70R	17.3	0.15	K123E	295.054	97.921	108.034	7.755	0.12608	2.33283	3 X
K09F76H	18.2	0.15	K123E	303.874	250.206	306.731	0.697	0.12600	2.34846	6 X
K09G03B	17.8	0.15	K123E	6.209	87.972	56.768	6.647	0.09533	2.20312	6 X
K09G06K	16.6	0.15	K123E	155.947	216.803	114.994	9.610	0.07519	2.45646	4 X
K09H08A	17.9	0.15	K123E	321.856	81.865	103.861	4.631	0.13474	2.29081	6 X
K09H23N	18.2	0.15	K123E	257.381	277.709	331.844	0.703	0.14900	2.34268	7 X
K09H45V	18.0	0.15	K123E	274.524	73.815	155.181	0.470	0.15561	2.36024	4 X
K09H46W	17.8	0.15	K123E	232.888	194.117	69.457	2.365	0.16266	2.40170	4 X
K09H54H	17.3	0.15	K123E	271.568	118.143	108.574	7.206	0.10885	2.43517	5 X
K09H65P	16.5	0.15	K123E	107.860	262.169	101.894	7.269	0.15890	2.71592	7 X
K09H77Q	17.7	0.15	K123E	283.029	322.613	262.818	1.654	0.16159	2.34162	5 X
K09H83A	17.5	0.15	K123E	259.479	316.899	292.064	4.028	0.17557	2.39096	5 X
K09H94Y	18.0	0.15	K123E	332.645	109.042	63.404	2.343	0.11685	2.38159	3 X
K09H98R	17.7	0.15	K123E	293.870	138.868	71.894	2.326	0.12993	2.34825	6 X
K09H99W	17.9	0.15	K123E	290.549	159.327	61.818	3.761	0.10295	2.31954	5 X
K09HA2P	16.8	0.15	K123E	164.118	240.302	66.643	14.353	0.08074	2.68604	3 X
K09HA4B	16.5	0.15	K123E	131.291	149.969	176.983	1.378	0.30828	3.05113	5 X
K09J17F	16.5	0.15	K123E	214.237	343.827	273.763	6.276	0.25490	2.72055	6 X
K09K04F	17.2	0.15	K123E	295.941	111.386	89.094	6.162	0.06162	2.45322	4 X
K09K09U	16.6	0.15	K123E	197.979	189.297	102.147	5.648	0.07076	2.57827	5 X
K09K15H	16.8	0.15	K123E	286.178	136.662	107.069	3.936	0.19248	2.32385	7 X
K09K28W	16.7	0.15	K123E	222.526	340.369	294.885	2.903	0.21689	2.55324	9 X
K09K29C	17.3	0.15	K123E	291.922	105.661	107.378	2.210	0.11718	2.43329	4 X
K09L06F	16.3	0.15	K123E	228.038	175.827	111.409	14.957	0.23380	2.67051	5 X
K09O05G	14.7	0.15	K123E	222.903	334.808	292.133	21.536	0.15921	3.18524	4 X
K09O14E	15.3	0.15	K123E	111.683	252.436	134.834	11.922	0.07147	3.14009	6 X
K09P08B	15.7	0.15	K123E	267.484	279.302	303.724	9.141	0.04466	3.16479	3 X
K09Q08E	18.0	0.15	K123E	311.197	295.214	334.267	8.477	0.44367	2.20407	3 X
K09Q27N	15.6	0.15	K123E	121.226	229.675	148.902	9.692	0.09141	3.17150	7 X
K09Q34S	15.2	0.15	K123E	192.132	17.968	306.022	15.619	0.23996	3.05334	3 X
K09Q47H	14.9	0.15	K123E	200.469	180.459	134.258	11.659	0.09531	3.06036	5 X
K09R57B	13.7	0.15	K123E	36.592	329.517	110.311	4.051	0.12229	5.20962	4 X
K09R64E	15.2	0.15	K123E	222.010	338.296	304.871	11.502	0.11746	3.09014	2 W
K09S69H	14.1	0.15	K123E	57.423	289.058	121.471	5.364	0.09578	5.21579	3 X
K09SH0L	15.7	0.15	K123E	305.041	210.149	2.922	7.866	0.10916	3.12086	4 X
K09SR2R	15.1	0.15	K123E	268.784	284.359	319.850	25.367	0.06503	3.15649	5 X
K09SY7V	13.7	0.15	K123E	23.233	207.813	241.069	1.564	0.08330	5.10135	5 X
K09SZ2K	13.9	0.15	K123E	48.932	325.517	104.058	2.312	0.03551	5.31140	7 X
K09SZ5W	13.4	0.15	K123E	51.526	320.867	95.354	8.086	0.14599	5.21996	4 X
K09SZ6J	15.7	0.15	K123E	248.224	348.797	292.206	3.821	0.11352	3.22629	6 X
K09T41W	13.1	0.15	K123E	65.469	304.565	104.095	9.755	0.07715	5.18553	6 X
K09V50G	13.0	0.15	K123E	63.813	328.753	91.307	8.230	0.12356	5.20423	4 X
K09W57A	14.0	0.15	K123E	140.158	232.341	106.376	3.837	0.06458	5.24709	4 X
K09W96Q	14.2	0.15	K123E	12.879	49.659	67.391	2.683	0.04143	5.32294	5 X
K10B33M	13.3	0.15	K123E	49.541	264.487	160.476	11.830	0.07345	5.15602	5 X
K10B93L	13.3	0.15	K123E	41.398	194.525	247.185	17.820	0.09214	5.14837	3 X
K10G76N	17.0	0.15	K123E	110.092	56.443	287.004	11.617	0.28901	2.67405	4 X
K10GF0P	17.9	0.15	K123E	152.345	223.223	101.569	6.349	0.25367	2.35946	4 X
K10H10U	17.2	0.15	K123E	139.914	6.368	329.538	4.723	0.24212	2.40711	4 X

K10H30W	16.4	0.15	K123E	99.422	242.893	127.381	10.560	0.15704	2.46347	3 X
K10H39B	17.6	0.15	K123E	167.007	357.802	317.278	1.777	0.18770	2.28136	5 X
K10H71H	17.1	0.15	K123E	166.758	198.504	116.630	6.357	0.18464	2.30452	5 X
K10HA1Q	17.4	0.15	K123E	138.726	262.406	52.149	2.093	0.13018	2.59264	7 X
K10J07P	17.0	0.15	K123E	123.087	44.939	297.621	11.849	0.28106	2.63374	3 X
K10J15H	17.6	0.15	K123E	59.981	350.931	70.598	23.703	0.09075	1.90451	3 X
K10K94M	17.9	0.15	K123E	174.129	31.618	275.212	4.334	0.24159	2.37951	5 X
K10L04S	16.8	0.15	K123E	173.848	356.850	314.851	10.908	0.26496	2.36248	5 X
K10L53O	17.1	0.15	K123E	159.640	353.464	342.977	5.653	0.11372	2.37165	5 X
K10L75V	17.9	0.15	K123E	248.763	306.494	304.718	6.758	0.11551	2.21817	3 X
K10L80Z	17.6	0.15	K123E	192.158	357.923	296.471	1.931	0.16568	2.35985	5 X
K10M23Q	16.2	0.15	K123E	117.329	242.106	113.759	21.553	0.15756	2.80091	4 X
K10M37A	16.2	0.15	K123E	95.208	308.480	55.147	2.563	0.24964	3.14506	5 X
K10M54X	16.9	0.15	K123E	92.892	57.358	324.572	3.829	0.08199	2.77262	5 X
K10M57E	15.1	0.15	K123E	91.358	253.611	121.153	26.710	0.27815	3.15148	3 X
K10M72T	17.3	0.15	K123E	155.414	240.464	78.689	3.129	0.20363	2.64011	4 X
K10M80D	16.4	0.15	K123E	120.086	290.355	38.762	10.331	0.22116	3.10365	3 W
K10M81T	16.2	0.15	K123E	80.057	272.119	112.959	6.517	0.18505	3.18875	5 X
K10M94D	16.4	0.15	K123E	91.724	48.576	325.809	4.931	0.16944	3.10149	4 X
K10M95J	16.0	0.15	K123E	135.486	36.030	319.589	10.890	0.20586	2.60710	5 X
K10MA0C	16.5	0.15	K123E	96.032	289.365	80.445	2.432	0.17332	3.09221	3 X
K10MA1Z	17.1	0.15	K123E	132.096	245.511	98.337	1.841	0.08090	2.80969	6 X
K10MA6W	15.9	0.15	K123E	94.122	243.602	123.653	6.689	0.20212	3.18713	5 X
K10N04Q	17.2	0.15	K123E	155.051	16.152	297.613	15.633	0.25859	2.40851	2 W
K10N17E	17.7	0.15	K123E	230.028	349.478	278.948	2.521	0.10705	2.40612	5 X
K10N40A	18.5	0.15	K123E	234.766	327.777	309.112	2.867	0.26433	2.12518	4 X
K10N57O	16.9	0.15	K123E	137.540	60.103	285.583	3.585	0.06591	2.79376	4 X
K10N70K	15.8	0.15	K123E	65.659	281.939	99.316	4.189	0.30302	3.95932	3 X
K10N82F	16.4	0.15	K123E	253.798	314.262	278.587	6.264	0.08510	2.58350	4 X
K10NA6U	16.2	0.15	K123E	91.538	55.141	329.834	8.191	0.16183	3.08374	3 X
K10NB4Y	17.1	0.15	K123E	138.781	277.736	67.728	0.515	0.08333	2.79850	6 X
K10O05Y	15.4	0.15	K123E	89.072	94.668	296.301	15.533	0.15502	3.08094	3 X
K10O09L	16.1	0.15	K123E	65.407	25.435	34.487	2.896	0.11707	3.06702	3 X
K10O58E	15.1	0.15	K123E	3.478	248.062	235.785	13.031	0.13332	3.28048	3 X
K10O94K	15.8	0.15	K123E	19.997	68.252	40.048	10.580	0.07068	3.18407	3 X
K10P23V	16.4	0.15	K123E	129.330	14.970	314.712	14.574	0.26536	2.67276	3 X
K10P23W	17.7	0.15	K123E	190.300	3.195	299.072	7.750	0.22909	2.19378	4 X
K10P23Y	17.5	0.15	K123E	114.793	39.108	326.708	3.021	0.06039	2.54445	4 X
K10P36Z	15.9	0.15	K123E	99.696	65.749	323.734	9.156	0.01059	3.11082	4 X
K10P58K	15.1	0.15	K123E	125.197	353.216	5.567	12.127	0.23559	3.00953	3 X
K10P61E	16.7	0.15	K123E	113.932	30.704	328.432	6.604	0.18415	2.68427	5 X
K10P63J	15.7	0.15	K123E	76.424	72.387	305.836	13.756	0.32435	3.11496	2 W
K10P69H	15.4	0.15	K123E	99.927	145.962	238.874	9.768	0.05936	3.24152	3 X
K10P76Y	17.3	0.15	K123E	172.028	351.657	331.499	6.023	0.12896	2.28347	5 X
K10Q03O	17.5	0.15	K123E	167.017	132.575	183.473	0.887	0.19186	2.41240	4 X
K10R10J	16.8	0.15	K123E	79.326	94.660	318.458	3.167	0.11307	2.72538	7 X
K10R11O	16.9	0.15	K123E	16.557	220.263	253.814	10.183	0.13627	2.57816	3 X
K10R38D	16.7	0.15	K123E	121.595	28.600	330.808	2.568	0.10508	2.81044	6 X
K10R40H	16.8	0.15	K123E	181.833	2.653	328.907	9.300	0.07598	2.24640	5 X
K10R48R	16.5	0.15	K123E	113.789	335.009	5.762	9.886	0.16169	3.18334	2 W
K10R50R	16.9	0.15	K123E	117.629	187.283	153.822	1.417	0.24472	3.02756	4 X
K10R51V	16.9	0.15	K123E	99.332	200.651	161.481	1.751	0.21360	3.19124	6 X
K10R59Y	17.0	0.15	K123E	86.928	55.151	341.921	4.941	0.07744	2.83764	5 X
K10R65R	16.8	0.15	K123E	114.972	47.350	299.430	9.747	0.20278	2.72401	4 X
K10R69F	17.1	0.15	K123E	228.189	354.994	297.834	5.801	0.01408	2.17727	5 X
K10R85R	17.2	0.15	K123E	116.400	273.713	84.939	2.965	0.08990	2.66537	4 X
K10R86B	18.0	0.15	K123E	173.850	259.282	56.556	2.986	0.07384	2.41421	4 X

K10R88J	17.4	0.15	K123E	123.808	249.775	107.312	2.639	0.08228	2.60983	4	X
K10RA0L	17.1	0.15	K123E	156.521	4.662	331.207	5.622	0.01607	2.65305	4	X
K10RA6S	16.7	0.15	K123E	159.453	306.783	14.776	1.767	0.06929	2.81180	4	X
K10RA8W	17.6	0.15	K123E	206.218	271.845	13.536	1.433	0.18768	2.34740	6	X
K10RB0V	16.5	0.15	K123E	72.239	214.524	182.902	16.350	0.15965	3.19843	4	X
K10RB4W	17.6	0.15	K123E	212.047	314.554	339.837	6.795	0.12640	2.33007	6	X
K10RB5O	17.4	0.15	K123E	186.162	341.394	316.785	3.809	0.20226	2.37871	4	X
K10RB7A	16.8	0.15	K123E	121.778	228.344	121.990	4.582	0.17351	2.97480	3	X
K10RC3G	16.8	0.15	K123E	101.375	324.740	65.820	1.981	0.05667	2.72056	7	X
K10RC5F	17.8	0.15	K123E	201.724	155.958	134.252	3.058	0.17012	2.37854	4	X
K10RC5Z	17.1	0.15	K123E	312.315	81.915	120.168	3.935	0.06995	2.31259	8	X
K10RC8Z	16.4	0.15	K123E	14.205	190.992	277.195	4.797	0.09824	3.10532	5	X
K10RC9A	16.2	0.15	K123E	226.322	307.904	311.054	5.002	0.03352	2.76539	5	X
K10RG4S	17.6	0.15	K123E	234.917	352.331	272.668	4.364	0.12620	2.26669	3	X
K10RG4X	16.4	0.15	K123E	71.866	86.616	312.130	9.053	0.15444	3.01881	3	X
K10RG9Z	16.9	0.15	K123E	95.459	108.245	272.948	0.981	0.08068	2.86523	7	X
K10RH3U	16.8	0.15	K123E	97.238	20.524	351.251	1.562	0.14103	3.13057	6	X
K10RH4D	17.6	0.15	K123E	258.930	329.494	288.294	4.031	0.00075	2.39482	6	X
K10RH7Q	16.9	0.15	K123E	184.355	174.137	122.985	4.280	0.07863	2.76869	4	X
K10RH7V	17.1	0.15	K123E	40.673	338.654	102.331	3.787	0.02394	2.94283	7	X
K10S19F	16.7	0.15	K123E	127.668	285.366	68.744	3.021	0.11002	2.85218	5	X
K10S20C	16.9	0.15	K123E	74.057	205.636	215.727	4.552	0.15102	2.81028	5	X
K10S33Z	16.7	0.15	K123E	98.541	259.825	117.119	2.816	0.11423	3.06545	3	X
K10S37L	16.0	0.15	K123E	145.381	35.608	317.786	9.159	0.15181	2.57437	4	X
K10S39F	16.0	0.15	K123E	72.466	115.695	289.530	8.558	0.17369	3.09375	3	X
K10T09A	17.1	0.15	K123E	122.580	114.586	237.158	1.062	0.07934	2.85623	5	X
K10T09E	17.1	0.15	K123E	99.278	65.889	304.301	0.822	0.11586	3.00826	5	X
K10T16F	16.9	0.15	K123E	274.169	270.593	319.738	5.702	0.09423	2.48007	4	X
K10T17J	16.1	0.15	K123E	16.384	169.530	294.801	4.575	0.12982	3.23719	5	X
K10T23V	17.2	0.15	K123E	341.518	102.570	49.169	2.977	0.03364	2.76804	4	X
K10T28J	17.2	0.15	K123E	31.092	232.343	246.655	3.334	0.10530	2.52556	4	X
K10T28X	17.3	0.15	K123E	173.693	8.521	301.371	2.099	0.03661	2.70703	6	X
K10T52W	18.0	0.15	K123E	233.716	139.698	128.274	1.991	0.16670	2.41208	6	X
K10T56Z	16.6	0.15	K123E	148.297	13.997	323.434	4.447	0.05877	2.77633	6	X
K10T58Q	16.9	0.15	K123E	135.547	23.832	334.461	5.750	0.02968	2.71000	4	X
K10T60O	16.0	0.15	K123E	44.409	117.525	319.149	7.438	0.15565	3.10189	3	X
K10T67B	17.2	0.15	K123E	93.781	59.549	322.792	1.184	0.07795	2.85916	7	X
K10T75G	17.1	0.15	K123E	237.260	285.291	348.522	6.476	0.09903	2.38483	5	X
K10T95A	17.3	0.15	K123E	103.375	224.003	150.236	2.673	0.08323	2.87770	4	X
K10T95G	17.0	0.15	K123E	111.904	223.168	141.632	2.822	0.08415	2.86562	4	X
K10T98Q	17.2	0.15	K123E	91.685	219.615	154.696	1.703	0.17591	3.11799	5	X
K10TA0T	16.5	0.15	K123E	43.393	312.853	128.219	3.051	0.03453	2.87239	6	X
K10TA4H	16.6	0.15	K123E	75.872	287.711	104.969	2.300	0.12897	3.20870	4	X
K10TA7B	17.4	0.15	K123E	160.088	213.840	106.479	1.636	0.07180	2.77201	5	X
K10TA9B	17.3	0.15	K123E	294.684	83.321	110.917	3.065	0.01290	2.73643	6	X
K10TB6U	16.7	0.15	K123E	178.493	161.616	149.014	0.948	0.05926	2.76213	4	X
K10TE8P	17.0	0.15	K123E	12.182	251.865	228.165	6.114	0.08616	2.58845	5	X
K10TF0G	15.9	0.15	K123E	170.478	202.800	105.619	5.413	0.19689	2.77161	7	X
K10TF3O	16.7	0.15	K123E	73.901	48.872	359.846	2.328	0.03239	3.06119	6	X
K10TG2S	17.2	0.15	K123E	187.638	321.137	336.111	1.346	0.05086	2.85899	5	X
K10TG8P	15.3	0.15	K123E	144.059	334.472	22.101	9.712	0.08995	2.96924	6	X
K10TH6L	15.7	0.15	K123E	107.723	70.554	294.009	13.852	0.11772	3.06485	3	X
K10TH7R	15.7	0.15	K123E	83.206	85.344	302.281	8.518	0.14398	3.14278	3	X
K10TH8J	17.1	0.15	K123E	74.854	229.984	170.286	1.810	0.09791	3.02583	5	X
K10U01L	16.5	0.15	K123E	57.332	90.630	338.826	4.793	0.08074	3.10462	5	X
K10U10P	15.9	0.15	K123E	1.060	271.959	217.055	15.081	0.05655	3.22966	3	X
K10U21Y	16.4	0.15	K123E	278.666	164.314	70.163	3.140	0.11515	2.54123	5	X

K10U33Q	15.9	0.15	K123E	11.139	117.735	15.116	10.176	0.05746	2.93521	4 X
K10U45B	16.9	0.15	K123E	176.872	359.831	310.220	5.282	0.16810	2.77593	6 X
K10U71Z	16.7	0.15	K123E	174.234	323.053	350.064	3.520	0.11294	2.74024	6 X
K10U74M	16.4	0.15	K123E	138.955	51.584	309.486	5.390	0.06143	2.73672	5 X
K10U78T	15.2	0.15	K123E	333.440	222.408	303.812	8.695	0.08819	3.11384	2 X
K10U78Y	15.7	0.15	K123E	146.980	60.387	307.271	5.265	0.03039	2.73624	6 X
K10U83N	15.1	0.15	K123E	101.523	30.243	320.414	1.874	0.22551	3.97238	3 X
K10U83Z	16.1	0.15	K123E	40.527	209.927	254.087	5.429	0.14603	3.09890	5 X
K10U89N	17.5	0.15	K123E	336.382	134.411	48.210	0.584	0.14356	2.41079	7 X
K10U92V	17.2	0.15	K123E	179.558	128.201	175.703	2.201	0.27016	2.61201	7 X
K10U98N	16.0	0.15	K123E	180.851	68.531	240.928	9.951	0.04405	3.20547	4 X
K10V11E	16.1	0.15	K123E	127.608	48.638	306.659	8.960	0.06297	3.02246	4 X
K10V24R	16.1	0.15	K123E	37.395	245.294	229.438	3.418	0.05787	3.09578	6 X
K10V70V	16.2	0.15	K123E	138.735	243.639	105.166	10.078	0.11484	2.92103	7 X
K10V92J	16.6	0.15	K123E	145.105	92.756	243.432	0.348	0.05542	3.00635	6 X
K10V93J	15.6	0.15	K123E	61.169	354.003	67.767	4.709	0.07414	3.60234	6 X
K10V97M	16.3	0.15	K123E	56.896	23.355	61.352	1.993	0.04373	3.08460	6 X
K10VB2F	16.2	0.15	K123E	137.178	195.964	161.184	1.650	0.18116	2.98676	7 X
K10VB3B	16.4	0.15	K123E	218.884	165.307	134.362	3.009	0.16920	2.54298	7 X
K10VB7U	15.7	0.15	K123E	138.301	338.383	25.196	8.954	0.04927	3.21146	5 X
K10VE3K	16.1	0.15	K123E	190.566	185.530	114.500	5.941	0.11323	2.97932	7 X
K10VG3E	16.3	0.15	K123E	132.613	285.200	57.341	2.091	0.17597	3.14814	4 X
K10VH4W	16.0	0.15	K123E	266.386	153.006	84.475	4.091	0.06236	3.14024	4 X
K10VH7M	15.9	0.15	K123E	171.818	272.452	46.363	3.401	0.08767	3.13357	7 X
K10VJ3P	15.4	0.15	K123E	120.296	226.981	123.842	3.218	0.07285	3.92248	6 X
K10W10K	13.7	0.15	K123E	43.647	359.247	53.363	23.645	0.07320	5.31205	3 X
K10W64D	13.8	0.15	K123E	22.569	354.100	101.522	4.995	0.09839	5.17204	4 X
K10X32R	13.8	0.15	K123E	37.737	125.901	306.774	9.131	0.11137	5.12345	5 X
K10X64Z	14.1	0.15	K123E	23.921	355.869	99.057	8.726	0.08706	5.13099	4 X
K10X75W	13.9	0.15	K123E	58.658	319.139	96.449	6.226	0.08612	5.20488	4 X
K10X76W	13.5	0.15	K123E	81.709	281.806	101.810	8.615	0.11128	5.17138	3 X
K10X78V	13.3	0.15	K123E	47.771	324.285	103.677	10.124	0.03256	5.22153	4 X
K10X79O	13.8	0.15	K123E	355.634	4.421	118.716	8.464	0.05936	5.16082	4 X
K10X81E	12.8	0.15	K123E	354.922	194.138	286.999	21.259	0.06761	5.15568	3 X
K10X85F	13.4	0.15	K123E	10.285	347.803	115.012	13.152	0.12133	5.21453	4 X
<b>K11L19C</b>	<b>18.9</b>	<b>0.15</b>	<b>K123E</b>	<b>27.939</b>	<b>139.046</b>	<b>219.525</b>	<b>10.454</b>	<b>0.73059</b>	<b>3.20686</b>	<b>2 X</b>
K11L20D	16.3	0.15	K123E	41.865	166.203	195.045	11.666	0.50211	2.96078	3 X
K11Q40O	16.6	0.15	K123E	27.858	187.064	224.406	12.673	0.30191	2.63816	4 X
K11SA2L	18.2	0.15	K123E	17.868	51.389	59.730	10.038	0.48984	2.20241	3 X
K11UA6U	18.7	0.15	K123E	12.555	241.918	251.951	9.936	0.48147	1.82706	2 X
K11UC7A	16.0	0.15	K123E	352.075	241.683	226.307	13.865	0.23681	2.63523	3 X
K11UG2E	16.9	0.15	K123E	2.520	45.106	55.761	6.599	0.22170	2.69101	3 X
K11UG2X	16.7	0.15	K123E	76.602	310.158	41.720	7.616	0.16794	2.32620	6 X
K11UQ7S	16.9	0.15	K123E	25.256	255.084	158.875	6.083	0.25554	2.59316	2 X
K11W04W	18.6	0.15	K123E	77.250	8.956	318.474	7.621	0.42247	2.16141	2 X
K11WB2Y	16.7	0.15	K123E	35.331	230.081	178.738	10.520	0.23061	2.60473	3 X
K11WB3R	12.7	0.15	K123E	52.488	126.052	268.504	8.501	0.04725	5.17646	5 X
K11WB4D	16.8	0.15	K123E	30.476	282.231	125.848	14.191	0.29218	2.55396	3 X
K11WB4F	16.0	0.15	K123E	30.717	288.480	123.207	14.278	0.15003	2.56907	4 X
K11WC0U	17.5	0.15	K123E	332.633	233.355	272.753	17.836	0.05343	1.92625	2 X
K11WD4V	17.1	0.15	K123E	355.678	25.635	157.789	6.044	0.67834	2.78607	2 X
K11WE0Q	16.5	0.15	K123E	56.794	305.757	90.725	13.620	0.13453	2.75631	2 X
K11Y24U	17.9	0.15	K123E	26.813	17.445	78.141	3.240	0.22107	2.64468	2 X
K11Y34O	18.1	0.15	K123E	66.633	326.384	79.043	3.845	0.16910	2.42176	3 X
K11Y35F	17.0	0.15	K123E	21.609	32.878	76.091	3.577	0.09369	2.55598	7 X
K11Y53X	16.4	0.15	K123E	29.547	186.465	262.653	11.879	0.24754	2.64619	3 X
K11Y53Z	17.5	0.15	K123E	6.553	26.590	98.687	3.410	0.15645	2.46547	6 X

K11Y57U	15.4	0.15	K123E	52.434	319.048	105.165	11.949	0.12849	3.21828	5 X
K12A11M	15.1	0.15	K123E	61.183	298.740	112.320	22.595	0.12829	3.18605	2 X
T3S1917	16.9	0.15	K123E	29.560	147.073	274.128	6.899	0.32334	2.85046	3 X

## New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc C
K11M05E	19.6	0.15	K123E	52.071	261.386	105.594	37.280	0.42033	1.90133	203 X
K11O15R	21.2	0.15	K123E	71.422	250.931	146.197	5.013	0.44322	1.65538	176 X
K11P00S	20.4	0.15	K123E	58.156	26.675	19.184	3.740	0.51496	1.80635	169 W
K11P01O	20.9	0.15	K123E	42.590	166.132	210.956	5.707	0.64065	2.50856	167 X
K11S69R	20.1	0.15	K123E	26.499	206.805	227.448	5.837	0.54874	2.40882	116 X
K11U91G	17.6	0.15	K123E	37.338	134.691	255.202	15.153	0.43738	2.65599	87 X
K11UJ4H	16.1	0.15	K123E	358.025	228.066	245.414	27.305	0.27784	2.58548	89 X
K11V05O	21.8	0.15	K123E	27.861	221.312	228.146	8.086	0.45490	1.90239	77 X
K11V05U	20.3	0.15	K123E	34.640	24.844	44.152	30.543	0.55738	2.19707	76 X
K11V12P	21.0	0.15	K123E	43.853	159.652	238.179	8.345	0.45160	1.98074	63 X
K11W02L	20.8	0.15	K123E	183.801	88.768	212.977	14.130	0.28332	1.07780	64 X
K11W15N	19.6	0.15	K123E	111.158	218.472	75.653	33.496	0.85768	1.21675	58 X
K11W44E	20.7	0.15	K123E	29.637	190.955	246.569	21.637	0.43038	2.17597	54 X
K11W95U	19.1	0.15	K123E	128.308	242.211	67.843	6.725	0.42462	1.66621	49 X
K11X00E	19.3	0.15	K123E	278.504	46.555	221.307	20.724	0.46334	0.78383	48 X
K11X00F	22.7	0.15	K123E	22.838	353.349	96.643	6.140	0.43492	2.22521	48 X
K11X01E	18.2	0.15	K123E	1.695	243.137	272.572	18.321	0.46632	2.32667	46 X
K11X01M	20.0	0.15	K123E	28.665	162.612	263.150	11.118	0.65903	2.67100	45 X
K11X01Z	17.5	0.15	K123E	116.499	36.119	273.877	6.676	0.46213	2.13789	43 X
K11X02S	18.2	0.15	K123E	72.004	99.380	225.952	30.793	0.74075	1.64063	35 X
K11X03O	16.7	0.15	K123E	353.086	209.832	321.358	23.878	0.66006	3.24417	48 X
K11Y10X	21.5	0.15	K123E	286.939	345.750	273.035	25.237	0.33075	0.95405	24 X
K11Y15V	17.1	0.15	K123E	3.052	162.462	1.906	5.966	0.54499	2.84202	56 X
K11Y28G	21.4	0.15	K123E	19.102	151.592	293.496	12.094	0.61785	2.79807	22 X
K11Y28H	20.4	0.15	K123E	359.015	287.300	285.591	8.621	0.71185	2.62567	22 X
K11Y28J	21.1	0.15	K123E	304.510	306.053	290.139	27.074	0.09271	1.05997	22 X
K11Y29C	22.2	0.15	K123E	167.586	44.266	290.178	23.037	0.15611	1.22926	20 X
K11Y40D	21.0	0.15	K123E	67.354	105.358	293.653	34.217	0.30814	1.85496	20 X
K11Y40H	22.9	0.15	K123E	14.833	220.847	294.280	11.336	0.32785	1.39777	19 X
K11Y62U	17.5	0.15	K123E	358.152	352.970	196.487	20.326	0.70091	2.80485	21 X
K11Y63M	22.3	0.15	K123E	10.272	181.664	320.146	1.415	0.52574	2.28966	18 X
K12A00Y	22.4	0.15	K123E	351.411	261.242	293.681	20.543	0.26541	1.22730	16 X
K12A01E	19.0	0.15	K123E	77.511	356.454	16.876	10.048	0.47238	1.50763	17 X
K12A10M	22.8	0.15	K123E	64.248	48.525	331.575	2.105	0.52110	1.50428	5 X
K12A10P	26.4	0.15	K123E	222.009	212.042	101.587	2.726	0.13974	0.88978	8 X
K12A10Q	26.7	0.15	K123E	17.472	207.488	291.718	3.422	0.42350	1.67057	4 X
K12A11C	21.8	0.15	K123E	20.399	192.966	302.480	21.087	0.07288	1.32936	4 X

## New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc C
K02E01H	18.8	0.15	K022F	330.865	249.393	334.727	12.931	0.42074	2.24561	41 W
K02E02G	17.9	0.15	K022F	344.157	198.107	341.246	8.551	0.21127	2.79813	36 W
K02E03Q	15.7	0.15	K0237	52.579	286.472	169.450	16.137	0.17104	3.15603	23 X
K02E03R	16.6	0.15	K0237	283.888	100.178	169.762	14.800	0.23828	2.67134	4 X
K02E04O	17.5	0.15	K0237	336.602	29.408	165.659	6.448	0.07361	2.49358	9 X
K02E04Z	18.1	0.15	K0237	322.780	218.705	352.033	8.804	0.06840	2.21175	32 X
K02E09S	17.2	0.15	K022F	57.586	270.877	175.244	22.745	0.13998	1.95607	41 X
K02E10F	16.1	0.15	K0237	71.097	70.102	4.236	12.383	0.23913	2.60525	38 X
K02E18L	17.7	0.15	K0237	193.028	14.546	320.653	1.960	0.21577	2.21689	4 X
K02E18T	19.6	0.15	K0237	2.179	193.980	327.488	3.125	0.08161	2.10077	8 X
K02T06W	17.0	0.15	K02AD	344.274	213.712	188.052	13.161	0.18715	2.62779	33 W

K02T10V	17.8	0.15	K029N	20.380	330.751	16.889	20.966	0.09629	1.89567	47	W
K02T64V	17.7	0.15	K02AD	6.746	8.855	0.482	5.497	0.26329	2.37848	67	W
K11W43W	15.7	0.15	K11C5	155.379	9.998	265.719	11.757	0.14068	2.60229	54	W
K11W68G	16.8	0.15	K11C5	35.034	322.912	112.307	10.816	0.07572	2.58590	53	X
K11W90C	17.1	0.15	K11C5	323.465	241.788	248.746	22.585	0.24217	2.31907	61	X
K11X03M	16.8	0.15	K11CP	336.362	22.209	93.996	18.837	0.16310	3.21210	34	W
K11Y00P	13.1	0.15	K11C5	351.114	352.258	112.923	9.916	0.08307	5.26984	59	X
K11Y10F	17.8	0.15	K11C5	64.573	281.631	93.039	6.535	0.18933	2.25423	51	X
K11Y13P	16.4	0.15	K11CP	354.362	12.080	103.898	14.911	0.10318	3.04024	24	X
K11Y13Q	15.2	0.15	K11CP	100.077	243.479	107.004	22.844	0.19228	3.14587	24	X
K11Y17D	17.1	0.15	K11CP	75.561	294.066	92.314	4.399	0.14470	2.59092	25	X
K11Y17G	18.1	0.15	K11CP	8.677	100.091	3.141	1.460	0.13863	2.45637	25	X
K11Y18F	15.9	0.15	K11CP	57.277	284.615	113.232	5.887	0.17955	3.18927	24	W
K11Y18G	15.5	0.15	K11CP	323.140	231.060	310.109	15.851	0.16778	3.10212	30	X
K11Y18J	17.5	0.15	K11CP	356.841	197.218	290.364	5.738	0.12452	2.37842	23	W
K11Y19N	16.2	0.15	K11CP	57.528	263.409	150.215	16.232	0.09543	2.72829	24	W
K11Y19X	17.0	0.15	K11CP	75.295	277.986	116.670	6.376	0.00872	2.78617	22	W
K11Y21H	17.3	0.15	K11CP	10.858	174.920	269.086	14.192	0.04288	2.56937	22	X
K11Y22Z	17.9	0.15	K11CP	12.672	142.920	299.282	11.521	0.25790	2.64642	24	X
K11Y23Q	17.4	0.15	K11CP	359.400	164.850	300.717	6.668	0.07187	2.33303	24	X
K11Y23S	17.6	0.15	K11CP	318.547	212.539	308.005	4.475	0.15966	2.37900	24	X
K11Y23V	18.1	0.15	K11C5	34.913	320.400	90.631	6.755	0.15730	2.29952	57	X
K11Y25J	17.5	0.15	K11C5	13.930	346.372	97.057	2.310	0.15424	2.47119	53	X
K11Y25O	16.7	0.15	K11CP	322.312	232.426	292.756	8.607	0.19105	2.46333	25	W
K11Y27Y	14.1	0.15	K11CP	337.810	199.736	293.648	20.461	0.09805	5.10146	21	W
K11Y34A	14.0	0.15	K11CP	91.506	66.968	309.714	9.478	0.02996	5.05460	23	W
K11Y34B	16.4	0.15	K11CP	285.421	230.936	315.618	5.015	0.03058	2.84779	23	X
K11Y34E	16.2	0.15	K11C5	13.206	353.992	97.304	10.006	0.04657	3.17344	51	X
K11Y34K	18.1	0.15	K11CP	10.156	13.304	74.438	4.018	0.26754	2.70569	23	X
K11Y50Q	13.5	0.15	K11CP	38.966	302.064	125.148	6.227	0.05870	5.38564	22	W
K11Y55J	13.5	0.15	K11CP	18.261	144.075	304.637	13.947	0.05193	5.28382	20	X
K11Y55L	17.1	0.15	K11CP	44.041	92.237	303.969	10.181	0.26075	3.02365	20	X
K11Y55O	16.8	0.15	K11CP	45.804	110.181	299.469	17.413	0.12676	3.03951	20	X
K11Y56A	17.7	0.15	K11CP	329.161	54.538	88.500	4.626	0.11580	2.42474	20	X
K11Y56H	17.0	0.15	K11CP	241.711	180.021	54.160	2.773	0.09222	2.60328	20	X
K11Y56R	17.5	0.15	K11CP	64.503	72.506	309.685	3.101	0.19293	2.57312	20	X
K11Y57K	13.7	0.15	K11CP	53.305	321.160	97.872	7.371	0.04478	5.34447	20	W
K11Y57X	18.5	0.15	K11CP	12.778	145.013	306.594	1.194	0.09976	2.40036	20	W
K11Y59S	16.2	0.15	K11CP	41.925	308.548	116.941	15.803	0.07652	2.73973	20	W
K11Y64E	16.7	0.15	K11CP	337.832	206.500	301.116	15.232	0.27965	2.64243	19	X
K11Y67J	16.1	0.15	K11CP	357.833	165.553	314.056	11.168	0.02343	2.72507	18	X
K11Y67Q	17.9	0.15	K11CP	349.489	175.784	316.551	6.964	0.31118	2.60255	18	X
K11Y67V	18.9	0.15	K11CP	10.711	137.002	316.601	9.604	0.28010	2.46092	18	X
K11Y68L	17.5	0.15	K11CP	310.970	81.962	102.770	9.103	0.17192	2.56977	18	X
K11Y69F	16.0	0.15	K11CP	1.732	350.285	121.540	11.791	0.17038	3.14868	24	W
K11Y72G	15.9	0.15	K11CP	319.045	48.202	121.127	17.929	0.16626	3.12350	22	X
K12A01L	16.4	0.15	K11CP	56.420	278.801	112.237	13.740	0.17493	2.64335	17	X
K12A03P	17.6	0.15	K11CP	328.195	211.466	294.762	1.266	0.11652	2.43200	17	W
K12A03Q	15.7	0.15	K11CP	50.736	305.677	107.630	17.494	0.04851	3.10137	17	X
K12A03W	17.6	0.15	K11CP	332.101	47.839	107.592	13.115	0.29193	2.79833	17	X
K12A04J	16.0	0.15	K11C5	57.769	281.211	105.651	15.988	0.15987	2.83429	52	X
K12A04P	17.1	0.15	K11CP	3.285	356.379	104.459	7.725	0.05077	2.28491	17	X
K12A05U	16.4	0.15	K11CP	296.097	80.478	122.558	12.681	0.25307	2.93702	14	W
K12A06A	16.7	0.15	K11CP	7.307	346.515	115.193	14.350	0.11242	2.66230	22	X
K12A06D	13.4	0.15	K11CP	69.077	106.402	296.330	18.924	0.03598	5.02695	14	W
K12A07V	14.2	0.15	K11CP	27.164	131.673	303.808	7.630	0.07558	5.20490	16	X
K12A11N	16.5	0.15	K121E	10.113	351.589	107.800	6.140	0.18442	3.16988	3	W

K12A12P	17.4	0.15	K11CP	338.112	63.532	70.260	3.565	0.11263	2.70713	12	X
K12A13C	19.6	0.15	K121E	21.616	315.990	102.211	1.928	0.44405	2.26295	5	W
K12A13D	15.2	0.15	K11CP	229.011	140.565	111.680	10.506	0.02247	3.09322	24	X
K12A13P	15.8	0.15	K11CP	281.071	268.651	295.913	14.972	0.07657	3.18684	12	W
K12A14M	15.5	0.15	K11CP	309.727	59.329	112.307	5.660	0.09095	3.24032	14	W
K12A14O	18.9	0.15	K121E	4.336	163.556	306.027	26.928	0.33483	2.30173	4	W
K12A14S	16.1	0.15	K11CP	118.248	88.717	230.652	10.294	0.08377	2.68303	17	W
K12B00C	17.5	0.15	K11CP	284.731	103.428	96.833	2.488	0.14112	2.45101	16	X
K12B00D	17.1	0.15	K121E	337.534	205.051	301.767	6.556	0.18472	3.09424	2	X

## New observations:

J96A02E	KC2012	01	18.01686	09	54	00.89	+21	38	41.3	17.2	RuEB007160
J96A02E	KC2012	01	18.01903	09	54	00.79	+21	39	15.4	17.2	RuEB007160
J96A02E	KC2012	01	18.02119	09	54	00.67	+21	39	49.7	17.4	RuEB007160
J96A02E	C2012	01	18.34028	09	53	52.43	+23	03	13.6	17.6	cEB007704
J96A02E	C2012	01	18.35347	09	53	51.76	+23	06	39.6	17.7	cEB007704
J96A02E	C2012	01	18.35778	09	53	50.69	+23	07	45.3	17.9	RuEB007H45
J96A02E	C2012	01	18.35891	09	53	50.63	+23	08	02.6	18.0	RuEB007H45
J96A02E	C2012	01	18.36019	09	53	50.54	+23	08	22.9	18.0	RuEB007H45
J96A02E	C2012	01	18.36115	09	53	50.50	+23	08	37.7	17.9	RuEB007H45
J96A02E	C2012	01	18.36220	09	53	50.45	+23	08	53.9	17.9	RuEB007H45
J96A02E	C2012	01	18.36312	09	53	50.41	+23	09	08.0	18.0	RuEB007H45
J96A02E	C2012	01	18.36681	09	53	51.10	+23	10	07.5	17.6	cEB007704
J96A02E	C2012	01	18.38107	09	53	50.38	+23	13	49.1	17.4	cEB007704
J96A02E	KC2012	01	18.38980	09	53	48.93	+23	16	05.6	17.3	RtEB007H47
J96A02E	KC2012	01	18.39346	09	53	48.78	+23	17	02.5	17.1	RtEB007H47
J96A02E	C2012	01	18.39421	09	53	49.71	+23	17	14.2	17.2	cEB007704
J96A02E	KC2012	01	18.39727	09	53	48.60	+23	18	01.3	17.2	RtEB007H47
J96A02E	KC2012	01	19.07473	09	53	28.38	+26	11	23.9	17.7	VuEB007C73
J96A02E	KC2012	01	19.07613	09	53	28.33	+26	11	47.6	18.0	VuEB007C73
J96A02E	KC2012	01	19.07753	09	53	28.26	+26	12	08.3	17.8	VuEB007C73
J96A02E	KC2012	01	19.07893	09	53	28.07	+26	12	28.5	17.7	VuEB007C73
J96A02E	KC2012	01	19.08034	09	53	28.06	+26	12	50.1	17.9	VuEB007C73
J96A02E	KC2012	01	19.08174	09	53	28.01	+26	13	11.8	17.9	VuEB007C73
J96A02E	KC2012	01	19.08314	09	53	27.91	+26	13	32.2	17.9	VuEB007C73
J96A02E	KC2012	01	19.08455	09	53	27.83	+26	13	52.7	17.7	VuEB007C73
J96A02E	KC2012	01	19.08595	09	53	27.86	+26	14	16.3	18.1	VuEB007C73
J96A02E	KC2012	01	19.08735	09	53	27.73	+26	14	37.5	18.1	VuEB007C73
K03A23F	KC2012	01	13.95046	06	03	46.06	+02	24	10.5	17.4	VuEB007970
K03A23F	KC2012	01	13.95349	06	03	44.82	+02	23	53.7	17.7	VuEB007970
K03A23F	C2012	01	18.21060	05	44	51.26	-02	10	08.7	18.1	RuEB007H45
K03A23F	C2012	01	18.21247	05	44	50.90	-02	10	13.6	18.3	RuEB007H45
K03A23F	C2012	01	18.21389	05	44	50.59	-02	10	17.4	18.1	RuEB007H45
K03A23F	C2012	01	18.21489	05	44	50.40	-02	10	20.3	18.0	RuEB007H45
K03A23F	C2012	01	18.21766	05	44	49.83	-02	10	27.5	18.1	RuEB007H45
K03A23F	C2012	01	18.21957	05	44	49.44	-02	10	32.7	18.3	RuEB007H45
K03A23F	C2012	01	18.22093	05	44	49.16	-02	10	36.0	18.1	RuEB007H45
K03B33X	C2012	01	18.44588	10	00	27.46	+01	04	54.1	20.1	VrEB007703
K03B33X	C2012	01	18.45350	10	00	25.92	+01	05	12.5	19.6	VrEB007703
K03B33X	C2012	01	18.46131	10	00	24.30	+01	05	33.3	19.4	VrEB007703
K03B33X	C2012	01	18.46896	10	00	22.68	+01	05	50.6	19.6	VrEB007703
K04E200	mC2012	01	19.13780	06	10	24.89	+06	49	00.0		oEB007291
K04E200	mC2012	01	19.14220	06	10	24.56	+06	49	03.6		oEB007291
K04E200	mC2012	01	19.14653	06	10	24.10	+06	49	07.1		oEB007291
K04J020	C2012	01	18.03684	03	16	59.24	-02	21	24.3	19.6	VoEB007807
K04J020	C2012	01	18.04165	03	16	59.76	-02	21	21.5	19.6	VoEB007807
K04J020	C2012	01	18.04629	03	17	00.27	-02	21	18.8	19.8	VoEB007807



K04Y05U	KC2012	01	13.85155	03	22	36.65	+52	21	27.3	18.4	RcEB007A24
K04Y05U	KC2012	01	13.85300	03	22	37.20	+52	21	22.7	18.6	RcEB007A24
K05J22A	C2012	01	18.03224	01	21	33.08	-12	57	01.0	20.7	VoEB007807
K05J22A	C2012	01	18.03769	01	21	34.36	-12	56	52.6	20.7	VoEB007807
K05J22A	C2012	01	18.04397	01	21	35.81	-12	56	43.1	20.7	VoEB007807
K05J22A	C2012	01	18.05297	01	21	37.92	-12	56	29.3	20.4	VoEB007807
K05N01J	KC2012	01	18.99226	00	43	54.07	+20	25	07.0		uEB007I15
K05N01J	KC2012	01	18.99485	00	43	56.07	+20	25	17.6		uEB007I15
K05N01J	KC2012	01	18.99741	00	43	58.07	+20	25	27.4		uEB007I15
K06M10J	C2012	01	18.29561	07	46	01.94	+47	12	08.0	18.5	RuEB007H45
K06M10J	C2012	01	18.29717	07	46	01.53	+47	12	13.1	18.2	RuEB007H45
K06M10J	C2012	01	18.29886	07	46	01.15	+47	12	18.2	18.3	RuEB007H45
K06M10J	C2012	01	18.29997	07	46	00.88	+47	12	21.6	18.3	RuEB007H45
K06M10J	C2012	01	18.30123	07	46	00.57	+47	12	25.3	18.5	RuEB007H45
K06V13Y	KC2012	01	19.10520	12	05	22.07	-02	39	13.5	17.0	VuEB007C73
K06V13Y	KC2012	01	19.10660	12	05	22.49	-02	39	14.8	16.9	VuEB007C73
K06V13Y	KC2012	01	19.10801	12	05	22.91	-02	39	16.6	17.1	VuEB007C73
K06V13Y	KC2012	01	19.10941	12	05	23.38	-02	39	17.5	17.4	VuEB007C73
K06V13Y	KC2012	01	19.11082	12	05	23.74	-02	39	19.2	17.1	VuEB007C73
K06V13Y	KC2012	01	19.11223	12	05	24.19	-02	39	20.9	17.4	VuEB007C73
K06V13Y	KC2012	01	19.11363	12	05	24.65	-02	39	22.2	17.2	VuEB007C73
K06V13Y	KC2012	01	19.11503	12	05	25.10	-02	39	23.6	17.3	VuEB007C73
K06V13Y	KC2012	01	19.11644	12	05	25.55	-02	39	25.2	17.2	VuEB007C73
K06V13Y	KC2012	01	19.11784	12	05	25.97	-02	39	26.5	17.3	VuEB007C73
K08G01E	C2012	01	18.26361	06	59	30.67	+15	08	40.9	18.5	RuEB007H45
K08G01E	C2012	01	18.26577	06	59	30.66	+15	08	43.9	18.5	RuEB007H45
K08G01E	C2012	01	18.26712	06	59	30.63	+15	08	45.9	18.4	RuEB007H45
K08G01E	C2012	01	18.26931	06	59	30.59	+15	08	49.0	18.2	RuEB007H45
K08N01S	C2012	01	18.07833	23	29	54.70	+11	07	37.8	19.0	VrEB007703
K08N01S	C2012	01	18.08372	23	29	55.17	+11	07	37.3	19.5	VrEB007703
K08N01S	C2012	01	18.08916	23	29	55.46	+11	07	37.4	19.4	VrEB007703
K08N01S	C2012	01	18.09460	23	29	55.96	+11	07	34.2	19.2	VrEB007703
K08N01S	HC2012	01	18.12025	23	29	57.98	+11	07	33.4		oEB007291
K08N01S	HC2012	01	18.12420	23	29	58.27	+11	07	33.0		oEB007291
K08N01S	HC2012	01	18.12814	23	29	58.59	+11	07	32.0		oEB007291
K08Q00Y	KC2012	01	18.08890	12	34	38.94	+37	20	53.8	17.8	RuEB007160
K08Q00Y	KC2012	01	18.09163	12	34	39.69	+37	20	56.6	18.1	RuEB007160
K08Q00Y	KC2012	01	18.09437	12	34	40.44	+37	20	59.3	18.0	RuEB007160
K08W13Z	C2012	01	13.88728	06	37	06.25	+57	10	27.8	15.9	RcEB007A24
K08W13Z	C2012	01	13.88801	06	37	06.10	+57	10	29.5	16.4	RcEB007A24
K08W13Z	KC2012	01	17.93790	06	20	33.13	+61	04	46.3	16.7	RuEB007160
K08W13Z	KC2012	01	17.93908	06	20	32.77	+61	04	50.6	16.7	RuEB007160
K08W13Z	KC2012	01	17.94027	06	20	32.40	+61	04	54.8	16.7	RuEB007160
K08W13Z	C2012	01	18.22226	06	19	10.27	+61	21	50.5	17.3	RuEB007H45
K08W13Z	C2012	01	18.22356	06	19	09.83	+61	21	55.2	17.4	RuEB007H45
K08W13Z	C2012	01	18.22844	06	19	08.28	+61	22	12.7	17.4	RuEB007H45
K08W13Z	C2012	01	18.23017	06	19	07.71	+61	22	18.7	17.4	RuEB007H45
K08W13Z	C2012	01	18.23192	06	19	07.16	+61	22	24.9	17.4	RuEB007H45
K08W13Z	C2012	01	18.23306	06	19	06.78	+61	22	29.0	17.4	RuEB007H45
K08W13Z	KC2012	01	18.70951	06	16	47.16	+61	50	49.5	17.3	VuEB007C73
K08W13Z	KC2012	01	18.71184	06	16	46.40	+61	50	58.1	17.6	VuEB007C73
K08W13Z	C2012	01	19.01386	06	15	12.05	+62	09	15.3		uEB007I15
K08W13Z	C2012	01	19.01619	06	15	11.26	+62	09	24.0		uEB007I15
K08W13Z	C2012	01	19.01931	06	15	10.20	+62	09	35.7		uEB007I15
K09Q08E	C2012	01	18.47574	11	38	32.78	+02	46	58.1	22.2	VrEB007G96
K09Q08E	C2012	01	18.48089	11	38	32.82	+02	46	55.9	21.6	VrEB007G96
K09Q08E	C2012	01	18.48606	11	38	32.89	+02	46	54.9	21.5	VrEB007G96

K09Q08E	C2012	01	18.49128	11	38	32.89	+02	46	53.7	22.0	VrEB007G96
K11L19C	JC2012	01	18.24021	05	08	49.34	+04	54	06.2	20.1	RoEB007695
K11L19C	JC2012	01	18.24566	05	08	49.45	+04	54	09.3	20.1	RoEB007695
K11L19C	JC2012	01	18.25118	05	08	49.55	+04	54	12.5	20.2	RoEB007695
K11M05E	mC2012	01	19.09774	02	52	56.98	-10	58	39.3		oEB007291
K11M05E	mC2012	01	19.10077	02	52	57.34	-10	58	27.5		oEB007291
K11O15R	JC2012	01	18.38735	10	57	52.75	+03	26	26.9	22.0	RoEB007695
K11O15R	JC2012	01	18.39191	10	57	52.46	+03	26	30.7	22.1	RoEB007695
K11O15R	JC2012	01	18.39598	10	57	52.16	+03	26	34.6	22.1	RoEB007695
K11P00S	JC2012	01	18.40869	12	03	40.63	+08	01	56.3	20.4	RoEB007695
K11P00S	JC2012	01	18.41381	12	03	40.36	+08	01	57.7	20.4	RoEB007695
K11P00S	JC2012	01	18.41869	12	03	40.09	+08	01	59.7	20.3	RoEB007695
K11P01O	JC2012	01	18.36453	08	10	16.73	+06	37	15.9	21.9	roEB007695
K11P01O	JC2012	01	18.37320	08	10	15.84	+06	37	21.0	21.7	roEB007695
K11P01O	JC2012	01	18.37751	08	10	15.38	+06	37	23.1	22.0	roEB007695
K11S69R	C2012	01	18.34872	08	09	49.39	-08	01	30.1	18.8	cEB007704
K11S69R	C2012	01	18.36204	08	09	49.61	-08	01	18.2	19.4	cEB007704
K11S69R	C2012	01	18.37640	08	09	49.97	-08	01	06.6	19.3	cEB007704
K11S69R	C2012	01	18.38954	08	09	50.22	-08	00	55.8	19.2	cEB007704
K11S69R	C2012	01	18.40266	08	09	50.44	-08	00	46.0	19.4	cEB007704
K11SA2L	C2012	01	18.24372	06	16	13.62	+72	06	07.9	16.8	RuEB007H45
K11SA2L	C2012	01	18.24504	06	16	14.29	+72	06	09.4	16.8	RuEB007H45
K11SA2L	C2012	01	18.25820	06	16	20.56	+72	06	23.5	16.7	RuEB007H45
K11SA2L	C2012	01	18.25968	06	16	21.28	+72	06	25.1	16.7	RuEB007H45
K11SA2L	C2012	01	18.26115	06	16	21.97	+72	06	26.6	16.8	RuEB007H45
K11SA2L	C2012	01	18.26247	06	16	22.62	+72	06	28.1	16.8	RuEB007H45
K11UA6U	C2012	01	18.08467	01	47	14.36	-09	52	17.2	18.8	cEB007704
K11UA6U	C2012	01	18.09768	01	47	15.75	-09	52	48.7	19.1	cEB007704
K11UA6U	C2012	01	18.11066	01	47	17.19	-09	53	19.0	19.1	cEB007704
K11UA6U	C2012	01	18.12354	01	47	18.61	-09	53	49.1	18.8	cEB007704
K11V05O	C2012	01	18.10368	03	50	38.25	-21	54	13.6	20.8	VoEB007807
K11V05O	C2012	01	18.10792	03	50	39.83	-21	54	12.8	21.9	VoEB007807
K11V05O	C2012	01	18.11218	03	50	41.40	-21	54	11.9	20.9	VoEB007807
K11V05U	JC2012	01	18.50748	15	29	55.28	+50	30	48.2	21.3	RoEB007695
K11V05U	JC2012	01	18.52030	15	29	55.06	+50	30	52.9	21.5	RoEB007695
K11V05U	JC2012	01	18.53312	15	29	54.83	+50	30	58.0	21.4	RoEB007695
K11V12P	mC2012	01	18.26449	04	11	17.35	+05	16	01.6		oEB007291
K11V12P	mC2012	01	18.26671	04	11	17.70	+05	16	02.3		oEB007291
K11V12P	mC2012	01	18.26896	04	11	18.09	+05	16	03.1		oEB007291
K11W02L	mC2012	01	19.10761	03	35	42.70	-08	31	08.9		oEB007291
K11W02L	mC2012	01	19.11122	03	35	42.92	-08	31	06.1		oEB007291
K11W02L	mC2012	01	19.11481	03	35	43.17	-08	31	01.9		oEB007291
K11W04W	KC2012	01	18.21995	03	03	22.46	+27	07	03.6		oEB007291
K11W04W	KC2012	01	18.22789	03	03	22.93	+27	07	02.3		oEB007291
K11W04W	KC2012	01	18.23583	03	03	23.38	+27	07	00.9		oEB007291
K11W15N	JC2012	01	18.12039	03	36	17.39	+38	21	29.7	21.7	RoEB007695
K11W15N	JC2012	01	18.12687	03	36	17.22	+38	21	26.8	21.8	RoEB007695
K11W15N	JC2012	01	18.14195	03	36	16.92	+38	21	20.2	21.4	RoEB007695
K11W15N	HC2012	01	19.21389	03	36	01.52	+38	13	43.0		oEB007291
K11W15N	HC2012	01	19.22312	03	36	01.38	+38	13	39.3		oEB007291
K11W15N	HC2012	01	19.23233	03	36	01.23	+38	13	34.8		oEB007291
K11W44E	C2012	01	18.12805	05	38	10.26	-23	11	43.1	21.2	VoEB007807
K11W44E	C2012	01	18.13606	05	38	10.59	-23	11	46.0	21.5	VoEB007807
K11W44E	C2012	01	18.14405	05	38	10.92	-23	11	49.1	21.5	VoEB007807
K11W95U	JC2012	01	18.18540	04	39	03.83	+26	44	33.5	22.1	RoEB007695
K11W95U	JC2012	01	18.20508	04	39	03.33	+26	44	33.1	22.5	RoEB007695
K11W95U	JC2012	01	18.21803	04	39	02.98	+26	44	33.1	22.6	RoEB007695

K11WD4V	C2012	01	13.82274	04	40	46.40	+08	24	59.8	17.3	RcEB007A24
K11WD4V	C2012	01	13.82346	04	40	46.35	+08	24	59.7	17.8	RcEB007A24
K11WD4V	C2012	01	13.86930	04	40	41.14	+08	25	03.1	17.2	RcEB007A24
K11WD4V	C2012	01	13.87003	04	40	41.04	+08	25	02.5	17.4	RcEB007A24
K11WD4V	C2012	01	18.16879	04	33	14.31	+08	33	58.6	17.9	RuEB007H45
K11WD4V	C2012	01	18.17170	04	33	14.00	+08	33	59.4	18.0	RuEB007H45
K11WD4V	C2012	01	18.17430	04	33	13.73	+08	33	59.7	18.1	RuEB007H45
K11WD4V	C2012	01	18.17663	04	33	13.48	+08	33	59.9	17.9	RuEB007H45
K11WD4V	C2012	01	18.17929	04	33	13.21	+08	34	00.4	17.9	RuEB007H45
K11WD4V	C2012	01	18.18102	04	33	13.03	+08	34	00.9	18.1	RuEB007H45
K11X00E	C2012	01	18.03257	02	43	43.30	-23	37	09.1	20.0	VoEB007807
K11X00E	C2012	01	18.03857	02	43	43.49	-23	37	02.5	20.2	VoEB007807
K11X00E	C2012	01	18.04459	02	43	43.67	-23	36	56.2	20.2	VoEB007807
K11X00E	C2012	01	18.05059	02	43	43.87	-23	36	49.4	20.2	VoEB007807
K11X00F	mC2012	01	18.30514	05	08	51.80	+27	10	35.0		oEB007291
K11X00F	mC2012	01	18.30771	05	08	52.07	+27	10	37.9		oEB007291
K11X00F	mC2012	01	18.31027	05	08	52.36	+27	10	40.8		oEB007291
K11X01E	KC2012	01	17.95820	06	55	12.97	-01	29	53.5		uEB007160
K11X01E	KC2012	01	17.96170	06	55	12.69	-01	30	03.8	17.6	RuEB007160
K11X01E	KC2012	01	17.96369	06	55	12.53	-01	30	09.2	17.5	RuEB007160
K11X01E	C2012	01	18.27685	06	54	49.64	-01	44	46.3	17.8	RuEB007H45
K11X01E	C2012	01	18.27975	06	54	49.46	-01	44	54.4	17.8	RuEB007H45
K11X01E	C2012	01	18.28119	06	54	49.34	-01	44	58.2	17.7	RuEB007H45
K11X01E	C2012	01	18.28200	06	54	49.26	-01	45	01.0	18.1	RuEB007H45
K11X01E	C2012	01	18.28421	06	54	49.10	-01	45	07.0	17.9	RuEB007H45
K11X01E	C2012	01	18.28527	06	54	49.01	-01	45	10.1	17.8	RuEB007H45
K11X01M	JC2012	01	18.45276	11	59	39.00	-21	55	50.7	20.8	RoEB007695
K11X01M	JC2012	01	18.45883	11	59	38.75	-21	55	54.6	20.9	RoEB007695
K11X01M	JC2012	01	18.46453	11	59	38.51	-21	55	58.6	21.0	RoEB007695
K11X01M	JC2012	01	18.47013	11	59	38.28	-21	56	01.8	20.9	RoEB007695
K11X01Z	KC2012	01	18.24630	05	13	09.94	+23	14	38.2		oEB007291
K11X01Z	KC2012	01	18.25170	05	13	09.70	+23	14	37.4		oEB007291
K11X01Z	KC2012	01	18.25710	05	13	09.41	+23	14	36.9		oEB007291
K11X02S	QC2012	01	17.45197	04	48	36.56	-26	05	03.2	20.2	VrEB007E12
K11X02S	QC2012	01	17.46183	04	48	36.43	-26	04	47.2		rEB007E12
K11X03O	KC2012	01	13.85449	03	25	52.04	+55	20	21.9	18.9	RcEB007A24
K11X03O	KC2012	01	13.85593	03	25	51.86	+55	20	20.5	18.2	RcEB007A24
K11X03O	C2012	01	14.21329	03	25	42.45	+55	12	10.7	18.5	VcEB007H06
K11X03O	C2012	01	14.21570	03	25	42.38	+55	12	07.4	18.5	VcEB007H06
K11X03O	C2012	01	14.21811	03	25	42.32	+55	12	04.0	18.7	VcEB007H06
K11X03O	C2012	01	18.15952	03	24	47.33	+53	39	46.8	18.9	RuEB007H45
K11X03O	C2012	01	18.16126	03	24	47.32	+53	39	44.9	18.7	RuEB007H45
K11X03O	C2012	01	18.16276	03	24	47.32	+53	39	42.1	18.8	RuEB007H45
K11X03O	C2012	01	18.16438	03	24	47.32	+53	39	39.4	18.7	RuEB007H45
K11X03O	C2012	01	18.16582	03	24	47.30	+53	39	37.5	18.9	RuEB007H45
K11X03O	C2012	01	18.16739	03	24	47.26	+53	39	35.7	18.7	RuEB007H45
K11Y10X	mC2012	01	18.27393	04	11	30.00	+02	41	37.6		oEB007291
K11Y10X	mC2012	01	18.27580	04	11	29.80	+02	41	32.9		oEB007291
K11Y10X	mC2012	01	18.27766	04	11	29.60	+02	41	28.9		oEB007291
K11Y15V	KC2012	01	18.03657	11	15	07.78	+18	49	28.8	16.1	RuEB007160
K11Y15V	KC2012	01	18.03872	11	15	08.04	+18	49	27.1	16.2	RuEB007160
K11Y15V	KC2012	01	18.04088	11	15	08.31	+18	49	25.6	16.5	RuEB007160
K11Y15V	KC2012	01	18.40725	11	15	54.46	+18	44	39.4	17.3	RtEB007H47
K11Y15V	KC2012	01	18.41514	11	15	55.37	+18	44	33.1	17.3	RtEB007H47
K11Y15V	KC2012	01	18.42190	11	15	56.19	+18	44	27.9	16.9	RtEB007H47
K11Y28G	C2012	01	18.41630	09	45	04.96	+01	49	33.8	19.1	VrEB007703
K11Y28G	C2012	01	18.42361	09	45	04.39	+01	49	09.0	19.0	VrEB007703

K11Y28G	C2012	01	18.43095	09	45	03.67	+01	48	45.2	18.7	VrEB007703
K11Y28G	C2012	01	18.43824	09	45	03.09	+01	48	21.4	19.2	VrEB007703
K11Y28H	JC2012	01	18.33418	11	01	36.16	-08	11	47.3	19.6	RoEB007695
K11Y28H	JC2012	01	18.33581	11	01	36.61	-08	11	55.5	19.8	RoEB007695
K11Y28H	JC2012	01	18.33726	11	01	37.01	-08	12	02.3	19.7	RoEB007695
K11Y28H	JC2012	01	18.33887	11	01	37.43	-08	12	09.9	19.6	RoEB007695
K11Y28J	JC2012	01	18.32294	08	31	29.24	-21	04	33.5	18.5	RoEB007695
K11Y28J	JC2012	01	18.32394	08	31	28.76	-21	04	43.0	18.5	RoEB007695
K11Y28J	JC2012	01	18.32461	08	31	28.45	-21	04	49.4	18.5	RoEB007695
K11Y28J	JC2012	01	18.32527	08	31	28.14	-21	04	55.9	18.6	RoEB007695
K11Y29C	mC2012	01	18.32477	07	03	44.04	+16	47	08.4		oEB007291
K11Y29C	mC2012	01	18.32921	07	03	43.21	+16	46	57.8		oEB007291
K11Y40D	mC2012	01	18.33516	07	43	52.11	+16	02	37.2		oEB007291
K11Y40D	mC2012	01	18.33703	07	43	51.79	+16	02	33.2		oEB007291
K11Y40D	mC2012	01	18.33889	07	43	51.49	+16	02	29.0		oEB007291
K11Y40H	1C2012	01	03.92988	07	22	52.92	+59	14	53.4		oEB007J13
K11Y40H	1C2012	01	03.93038	07	22	52.98	+59	14	52.5		oEB007J13
K11Y40H	1C2012	01	03.93087	07	22	53.05	+59	14	51.9		oEB007J13
K11Y40H	1C2012	01	03.93135	07	22	53.17	+59	14	50.7		oEB007J13
K11Y40H	KC2012	01	13.90249	08	32	58.90	+30	57	10.4	15.6	RcEB007A24
K11Y40H	KC2012	01	13.90301	08	32	59.27	+30	56	52.9	15.7	RcEB007A24
K11Y40H	KC2012	01	13.90352	08	32	59.62	+30	56	35.0	15.8	RcEB007A24
K11Y62U	C2012	01	18.16666	05	33	37.93	-37	15	52.6	19.1	RoEB007G48
K11Y62U	C2012	01	18.16760	05	33	37.80	-37	15	53.6	18.9	RoEB007G48
K11Y62U	C2012	01	18.16854	05	33	37.62	-37	15	55.1	18.6	RoEB007G48
K11Y62U	KC2012	01	19.18518	05	31	06.71	-37	38	12.5	18.7	RuEB007I36
K11Y62U	KC2012	01	19.20017	05	31	04.43	-37	38	31.9	17.8	RuEB007I36
K11Y62U	KC2012	01	19.21492	05	31	02.15	-37	38	50.7	17.8	RuEB007I36
K11Y63M	C2012	01	18.34103	10	01	44.59	+15	54	04.4	19.4	cEB007704
K11Y63M	C2012	01	18.35423	10	01	48.94	+15	53	33.5	19.7	cEB007704
K11Y63M	C2012	01	18.36757	10	01	53.31	+15	53	02.4	19.7	cEB007704
K11Y63M	C2012	01	18.38182	10	01	57.86	+15	52	28.6	19.6	cEB007704
K12A00Y	KC2012	01	18.00214	07	56	48.86	+04	53	17.8	18.2	RuEB007160
K12A00Y	KC2012	01	18.00476	07	56	47.80	+04	52	42.1	18.0	RuEB007160
K12A00Y	KC2012	01	18.00783	07	56	46.57	+04	51	59.8	18.0	RuEB007160
K12A00Y	C2012	01	18.31174	07	54	52.59	+03	42	14.2	18.3	VrEB007703
K12A00Y	C2012	01	18.32187	07	54	48.45	+03	39	53.7	18.4	VrEB007703
K12A00Y	C2012	01	18.32358	07	54	46.30	+03	39	26.0	18.5	RuEB007H45
K12A00Y	C2012	01	18.32466	07	54	45.80	+03	39	10.7	18.5	RuEB007H45
K12A00Y	C2012	01	18.32552	07	54	45.50	+03	38	59.1	18.5	RuEB007H45
K12A00Y	C2012	01	18.32641	07	54	45.08	+03	38	45.8	18.6	RuEB007H45
K12A00Y	C2012	01	18.32769	07	54	44.57	+03	38	28.3	18.6	RuEB007H45
K12A00Y	C2012	01	18.32859	07	54	44.21	+03	38	15.7	18.7	RuEB007H45
K12A00Y	C2012	01	18.32959	07	54	43.81	+03	38	01.2	18.7	RuEB007H45
K12A00Y	C2012	01	18.33205	07	54	44.24	+03	37	30.7	18.0	VrEB007703
K12A00Y	C2012	01	18.34219	07	54	40.03	+03	35	11.8	18.0	VrEB007703
K12A01E	KC2012	01	17.94345	08	23	20.09	+57	05	37.3		uEB007160
K12A01E	KC2012	01	17.94630	08	23	19.35	+57	05	32.9	18.2	RuEB007160
K12A01E	KC2012	01	17.94905	08	23	18.62	+57	05	28.6	18.3	RuEB007160
K12A01E	C2012	01	18.33156	08	21	39.62	+56	55	34.7	18.7	RuEB007H45
K12A01E	C2012	01	18.33308	08	21	39.19	+56	55	32.6	18.8	RuEB007H45
K12A01E	C2012	01	18.33439	08	21	38.82	+56	55	30.8	18.7	RuEB007H45
K12A01E	C2012	01	18.33587	08	21	38.42	+56	55	28.3	18.8	RuEB007H45
K12A01E	C2012	01	18.33702	08	21	38.18	+56	55	26.4	18.8	RuEB007H45
K12A01E	C2012	01	18.33854	08	21	37.71	+56	55	24.0	18.7	RuEB007H45
K12A01E	KC2012	01	18.68947	08	20	12.64	+56	45	56.3	18.6	VuEB007C73
K12A01E	KC2012	01	18.69185	08	20	11.96	+56	45	52.6	19.3	VuEB007C73

K12A10M	mC2012	01	19.12481	05	18	01.06	+31	41	58.4		oEB007291
K12A10M	mC2012	01	19.12668	05	18	01.78	+31	41	55.0		oEB007291
K12A10M	mC2012	01	19.12855	05	18	02.51	+31	41	52.2		oEB007291
K12A10P	JC2012	01	18.15874	03	47	09.59	+37	42	03.0	21.6	RoEB007695
K12A10P	JC2012	01	18.16020	03	47	09.46	+37	42	03.7	21.9	RoEB007695
K12A10P	JC2012	01	18.16183	03	47	09.31	+37	42	05.4	22.1	RoEB007695
K12A10P	JC2012	01	18.16338	03	47	09.14	+37	42	06.2	22.0	RoEB007695
K12A10P	mC2012	01	19.19686	03	47	20.02	+37	53	52.1		oEB007291
K12A10P	mC2012	01	19.20189	03	47	19.62	+37	53	54.6		oEB007291
K12A10P	mC2012	01	19.20688	03	47	19.25	+37	53	56.0		oEB007291
K12A10Q	QC2012	01	16.73927208	56	34.05	-32	35	39.5		16.8	VrEB007E12
K12A10Q	QC2012	01	16.74010908	56	40.81	-32	36	57.5			rEB007E12
K12A10Q	QC2012	01	16.74066908	56	45.31	-32	37	50.3		17.1	VrEB007E12
K12A11C	C2012	01	18.20403	08	16	50.16	+28	37	38.4	20.2	VoEB007807
K12A11C	C2012	01	18.20690	08	16	49.43	+28	37	27.0	20.0	VoEB007807
K12A11C	C2012	01	18.20961	08	16	48.77	+28	37	16.4	20.1	VoEB007807
K12A13C*	C2012	01	13.38779	08	02	40.95	+21	43	13.6	19.1	VrEB007703
K12A13C	C2012	01	13.39510	08	02	40.52	+21	43	16.4	19.2	VrEB007703
K12A13C	C2012	01	13.40241	08	02	40.09	+21	43	19.5	19.3	VrEB007703
K12A13C	C2012	01	13.40977	08	02	39.69	+21	43	21.3	19.3	VrEB007703
K12A13C	C2012	01	16.94572	07	59	34.34	+22	03	52.1	19.2	uEB007A14
K12A13C	C2012	01	16.95328	07	59	33.88	+22	03	54.8	19.1	uEB007A14
K12A13C	C2012	01	16.96097	07	59	33.44	+22	03	57.5	19.2	uEB007A14
K12A13C	C2012	01	17.96938	07	58	41.47	+22	09	29.9	19.8	uEB007A14
K12A13C	C2012	01	17.97686	07	58	41.04	+22	09	32.5	20.1	uEB007A14
K12A13C	C2012	01	17.98435	07	58	40.62	+22	09	35.1	19.9	uEB007A14
K12A13C	C2012	01	18.28804	07	58	25.28	+22	11	16.3	19.5	VrEB007G96
K12A13C	C2012	01	18.29264	07	58	25.03	+22	11	17.8	19.6	VrEB007G96
K12A13C	C2012	01	18.29730	07	58	24.70	+22	11	18.8	19.2	VrEB007G96
K12A13C	C2012	01	18.30200	07	58	24.49	+22	11	20.0	19.2	VrEB007G96
00433	KC2012	01	18.03203	10	41	01.07	+09	27	04.2		uEB007160
00433	KC2012	01	18.03319	10	41	01.08	+09	26	59.2		uEB007160
00433	KC2012	01	18.03434	10	41	01.04	+09	26	54.2	9.5	RuEB007160
00433	C2012	01	18.42068	10	40	57.88	+09	02	01.2		cEB007704
00433	C2012	01	18.43380	10	40	57.64	+09	01	09.9		cEB007704
00433	C2012	01	18.44732	10	40	57.30	+09	00	18.4		cEB007704
00433	C2012	01	18.46130	10	40	56.81	+08	59	22.1		cEB007704
00433	C2012	01	19.17138	10	40	53.43	+08	13	05.1	8.0	RrEB007850
00433	C2012	01	19.18868	10	40	53.07	+08	11	56.5	8.3	RrEB007850
01036	C2012	01	13.80097	03	02	51.86	-07	44	59.2	12.0	RcEB007A24
01036	C2012	01	13.80123	03	02	51.85	-07	44	59.2	11.7	RcEB007A24
01036	C2012	01	13.85048	03	02	55.35	-07	44	40.9	11.9	RcEB007A24
01620	C2012	01	13.82433	04	56	33.96	+48	41	05.2	16.4	RcEB007A24
01620	C2012	01	13.82505	04	56	33.85	+48	41	04.4	16.4	RcEB007A24
01620	C2012	01	13.87090	04	56	28.07	+48	40	13.1	15.7	RcEB007A24
01620	C2012	01	13.87161	04	56	27.99	+48	40	12.5	15.8	RcEB007A24
01627	C2012	01	13.89179	06	55	49.94	+16	44	57.7	15.3	RcEB007A24
01627	C2012	01	13.89251	06	55	49.90	+16	44	58.1	16.1	RcEB007A24
01943	KC2012	01	13.79685	02	32	30.86	+13	22	48.1	18.1	RcEB007A24
01943	KC2012	01	13.79830	02	32	30.91	+13	22	48.0	18.0	RcEB007A24
01943	KC2012	01	13.81412	02	32	31.59	+13	22	47.0	18.3	RcEB007A24
01943	KC2012	01	13.83031	02	32	32.25	+13	22	45.5	18.8	RcEB007A24
01943	KC2012	01	13.84758	02	32	33.01	+13	22	43.9	17.9	RcEB007A24
02340	C2012	01	18.16227	03	13	46.92	-08	50	53.9	19.7	cEB007704
02340	C2012	01	18.17539	03	13	43.87	-08	50	52.6	19.7	cEB007704
02340	C2012	01	18.18841	03	13	40.88	-08	50	50.4	20.0	cEB007704
03200	C2012	01	13.78750	01	45	26.91	+22	23	06.8	17.5	RcEB007A24

03200	C2012	01	13.78822	01	45	26.93	+22	23	05.2	17.3	RcEB007A24
03200	KC2012	01	13.80416	01	45	26.64	+22	22	53.4	17.5	RcEB007A24
03200	C2012	01	13.83677	01	45	26.08	+22	22	26.9	17.4	RcEB007A24
03200	C2012	01	13.83749	01	45	25.99	+22	22	26.2	17.5	RcEB007A24
03691	KC2012	01	13.82972	01	07	46.70	+30	54	48.9	18.7	RcEB007A24
03691	KC2012	01	13.83116	01	07	46.79	+30	54	47.7	18.5	RcEB007A24
04183	C2012	01	13.78305	01	14	37.90	+15	24	47.2	16.1	RcEB007A24
04183	C2012	01	13.78377	01	14	37.95	+15	24	47.1	16.4	RcEB007A24
04183	C2012	01	13.83231	01	14	39.95	+15	24	36.6	16.3	RcEB007A24
04183	C2012	01	13.83303	01	14	40.02	+15	24	36.0	16.5	RcEB007A24
06050	C2012	01	18.35211	09	55	43.71	+20	38	04.3	17.9	VrEB007703
06050	C2012	01	18.36157	09	55	43.10	+20	38	09.9	18.1	VrEB007703
06050	C2012	01	18.37120	09	55	42.49	+20	38	14.8	18.2	VrEB007703
06050	C2012	01	18.38072	09	55	41.84	+20	38	20.2	18.1	VrEB007703
06455	KC2012	01	19.12103	13	56	03.77	+19	36	25.6	18.5	VuEB007C73
06455	KC2012	01	19.12337	13	56	03.90	+19	36	24.9	18.3	VuEB007C73
06455	KC2012	01	19.12805	13	56	04.13	+19	36	24.6	18.3	VuEB007C73
06455	KC2012	01	19.13273	13	56	04.36	+19	36	24.4	18.4	VuEB007C73
08567	C2012	01	13.87470	05	14	01.59	+06	31	40.8	16.9	RcEB007A24
08567	C2012	01	13.87542	05	14	01.55	+06	31	41.1	17.1	RcEB007A24
08567	KC2012	01	18.73384	05	13	04.83	+07	20	07.6	17.2	VuEB007C73
08567	KC2012	01	18.73616	05	13	04.83	+07	20	09.4	17.1	VuEB007C73
10145	C2012	01	13.88573	06	33	21.11	+31	48	58.9	17.5	RcEB007A24
10145	C2012	01	13.88645	06	33	21.02	+31	48	57.5	17.0	RcEB007A24
16834	C2012	01	17.87873	01	45	38.15	+18	33	55.9	19.1	RrEB007106
16834	C2012	01	17.89128	01	45	38.84	+18	33	53.9	19.9	RrEB007106
16834	C2012	01	17.90385	01	45	39.52	+18	33	50.6	19.3	RrEB007106
16834	C2012	01	17.91643	01	45	40.31	+18	33	47.1	19.6	RrEB007106
20826	C2012	01	13.77929	00	43	23.87	+46	28	31.8	18.1	RcEB007A24
20826	KC2012	01	13.81189	00	43	25.45	+46	28	15.0	17.8	RcEB007A24
20826	C2012	01	13.82784	00	43	26.22	+46	28	07.4	17.8	RcEB007A24
20826	C2012	01	13.82856	00	43	26.30	+46	28	07.1	17.8	RcEB007A24
21088	C2012	01	13.89952	07	41	08.19	+29	57	00.8	15.9	RcEB007A24
21088	C2012	01	13.90024	07	41	08.00	+29	56	59.4	16.1	RcEB007A24
21277	C2012	01	18.48568	11	51	29.28	-09	13	56.2	18.5	cEB007704
21277	C2012	01	18.49876	11	51	29.33	-09	13	49.0	18.7	cEB007704
21277	C2012	01	18.51182	11	51	29.37	-09	13	42.2	19.2	cEB007704
21277	C2012	01	18.52600	11	51	29.41	-09	13	33.9	19.2	cEB007704
24475	C2012	01	13.84881	02	41	59.04	+54	49	01.6	14.4	RcEB007A24
24475	C2012	01	13.84953	02	41	59.09	+54	49	04.0	14.5	RcEB007A24
29075	C2012	01	18.30214	07	07	05.40	+51	53	38.2	18.5	RuEB007H45
29075	C2012	01	18.30371	07	07	05.07	+51	53	38.6	18.5	RuEB007H45
29075	C2012	01	18.31052	07	07	03.57	+51	53	40.1	18.4	RuEB007H45
29075	C2012	01	18.31186	07	07	03.26	+51	53	40.5	18.5	RuEB007H45
29075	C2012	01	18.31302	07	07	03.03	+51	53	40.6	18.4	RuEB007H45
29075	KC2012	01	18.72236	07	05	38.83	+51	55	11.0	18.2	VuEB007C73
29075	KC2012	01	18.72468	07	05	38.26	+51	55	11.1	18.9	VuEB007C73
42286	KC2012	01	13.79389	02	07	45.13	+27	38	44.3	18.4	RcEB007A24
42286	KC2012	01	13.79534	02	07	45.11	+27	38	44.7	18.7	RcEB007A24
42286	KC2012	01	13.81117	02	07	45.01	+27	38	52.0	18.8	RcEB007A24
42286	KC2012	01	13.82735	02	07	44.91	+27	38	59.7	18.8	RcEB007A24
42286	KC2012	01	13.84317	02	07	44.82	+27	39	07.2	18.7	RcEB007A24
42286	KC2012	01	13.84461	02	07	44.90	+27	39	06.7	19.1	RcEB007A24
85628	KC2012	01	19.15002	14	50	59.18	+04	15	31.4	18.2	VuEB007C73
85628	KC2012	01	19.15236	14	50	59.56	+04	15	29.3	18.6	VuEB007C73
85628	KC2012	01	19.15470	14	50	59.84	+04	15	28.3	18.8	VuEB007C73
85628	KC2012	01	19.15704	14	51	00.26	+04	15	27.2	18.4	VuEB007C73

85628	KC2012	01	19.15976	14	51	00.71	+04	15	26.8	18.5	VuEB007C73
85709	C2012	01	18.16171	03	14	49.35	-13	54	41.8	19.5	cEB007704
85709	C2012	01	18.17483	03	14	49.43	-13	54	33.7	19.7	cEB007704
85709	C2012	01	18.18784	03	14	49.59	-13	54	26.0	19.7	cEB007704
85709	C2012	01	18.20085	03	14	49.70	-13	54	17.5	19.0	cEB007704
90147	KC2012	01	13.78922	02	10	45.54	+27	02	28.3	18.2	RcEB007A24
90147	KC2012	01	13.79034	02	10	45.90	+27	02	24.2	18.6	RcEB007A24
90147	KC2012	01	13.80689	02	10	52.75	+27	01	33.3	18.6	RcEB007A24
90147	KC2012	01	13.83961	02	11	06.01	+26	59	50.8	18.2	RcEB007A24
90147	KC2012	01	13.84054	02	11	06.45	+26	59	47.6	18.2	RcEB007A24
96536	QC2012	01	12.51201	04	57	43.06	-57	05	25.4	17.2	VrEB007E12
96536	QC2012	01	12.52412	04	57	40.08	-57	05	31.7	17.5	VrEB007E12
96536	QC2012	01	12.53624	04	57	37.12	-57	05	38.2	17.6	VrEB007E12
96536	QC2012	01	12.54853	04	57	34.09	-57	05	44.7	17.4	VrEB007E12
A1873	C2012	01	18.48031	10	48	32.00	+17	23	30.2	17.4	VrEB007703
A1873	C2012	01	18.48649	10	48	31.82	+17	23	55.9	17.2	VrEB007703
A1873	C2012	01	18.49263	10	48	31.64	+17	24	21.9	17.2	VrEB007703
A1873	C2012	01	18.49891	10	48	31.46	+17	24	48.4	17.3	VrEB007703
D7084	KC2012	01	13.78601	01	29	24.80	+27	12	01.2	19.1	RcEB007A24
D7084	KC2012	01	13.80220	01	29	26.80	+27	11	49.8	19.0	RcEB007A24
D7084	KC2012	01	13.81838	01	29	28.78	+27	11	38.2	19.0	RcEB007A24
D7084	KC2012	01	13.83420	01	29	30.76	+27	11	27.9	18.8	RcEB007A24
D7084	KC2012	01	13.83564	01	29	30.94	+27	11	28.6	18.7	RcEB007A24
D7805	C2012	01	13.77707	00	42	44.05	+39	57	45.0	18.0	RcEB007A24
D7805	C2012	01	13.77780	00	42	44.18	+39	57	45.1	17.6	RcEB007A24
D7805	KC2012	01	13.79374	00	42	48.08	+39	57	40.8	18.0	RcEB007A24
D7805	C2012	01	13.82634	00	42	55.97	+39	57	32.2	18.1	RcEB007A24
D7805	C2012	01	13.82706	00	42	56.19	+39	57	33.1	17.8	RcEB007A24
D8524	C2012	01	18.34891	08	39	41.70	-01	54	15.5	16.7	RuEB007H45
D8524	C2012	01	18.35173	08	39	41.45	-01	54	13.5	16.6	RuEB007H45
D8524	C2012	01	18.35461	08	39	41.19	-01	54	11.4	16.7	RuEB007H45
D8524	C2012	01	18.35585	08	39	41.08	-01	54	10.6	16.5	RuEB007H45
D8524	C2012	01	18.35702	08	39	40.99	-01	54	09.9	16.5	RuEB007H45
E1018	C2012	01	18.27383	09	21	48.73	+22	36	01.4	17.2	VoEB007691
E1018	C2012	01	18.29629	09	21	48.87	+22	36	23.4	17.4	VoEB007691
E1018	C2012	01	18.31233	09	21	48.91	+22	36	39.3	17.4	VoEB007691
E1498	C2012	01	18.21980	05	35	03.63	-10	25	00.5	19.0	cEB007704
E1498	C2012	01	18.23289	05	35	01.32	-10	25	04.1	19.4	cEB007704
E1498	C2012	01	18.24596	05	34	58.94	-10	25	07.3	19.8	cEB007704
E1498	C2012	01	18.25902	05	34	56.64	-10	25	11.0	19.4	cEB007704
E1498	C2012	01	18.27206	05	34	54.32	-10	25	14.3	19.5	cEB007704
E2348	C2012	01	18.34028	09	53	29.04	+23	00	30.2	17.8	cEB007704
E2348	C2012	01	18.35347	09	53	28.19	+23	00	44.0	17.9	cEB007704
E2348	C2012	01	18.35891	09	53	27.47	+23	00	48.4	18.2	RuEB007H45
E2348	C2012	01	18.36115	09	53	27.34	+23	00	50.9	17.8	RuEB007H45
E2348	C2012	01	18.36312	09	53	27.21	+23	00	52.6	18.2	RuEB007H45
E2348	C2012	01	18.36444	09	53	27.12	+23	00	54.1	17.9	RuEB007H45
E2348	C2012	01	18.36642	09	53	27.00	+23	00	56.2	18.0	RuEB007H45
E2348	C2012	01	18.36681	09	53	27.29	+23	00	57.4	18.1	cEB007704
E2348	C2012	01	18.38107	09	53	26.37	+23	01	11.6	17.6	cEB007704
E2348	C2012	01	18.39421	09	53	25.51	+23	01	24.8	17.6	cEB007704
E2563	KC2012	01	19.09038	13	11	13.19	+29	38	18.8	17.5	VuEB007C73
E2563	KC2012	01	19.09272	13	11	13.51	+29	38	12.8	17.5	VuEB007C73
E2563	KC2012	01	19.09506	13	11	13.83	+29	38	07.1	17.5	VuEB007C73
E2563	KC2012	01	19.09740	13	11	14.16	+29	38	01.1	17.4	VuEB007C73
E2563	KC2012	01	19.09974	13	11	14.47	+29	37	55.3	17.5	VuEB007C73
E2563	KC2012	01	19.10207	13	11	14.79	+29	37	49.5	17.5	VuEB007C73

E3651	C2012	01	18.36944	09	14	45.63	+36	54	51.3	19.1	RuEB007H45
E3651	C2012	01	18.37094	09	14	45.53	+36	54	52.6	19.1	RuEB007H45
E3651	C2012	01	18.37271	09	14	45.27	+36	54	53.7	19.2	RuEB007H45
E3651	C2012	01	18.37565	09	14	45.15	+36	54	56.6	19.0	RuEB007H45
E3651	C2012	01	18.37719	09	14	45.04	+36	54	58.3	19.1	RuEB007H45
E3651	KC2012	01	19.06026	09	13	52.94	+37	04	42.4	18.2	VuEB007C73
E3651	KC2012	01	19.06166	09	13	52.79	+37	04	43.3	18.9	VuEB007C73
E3651	KC2012	01	19.06447	09	13	52.54	+37	04	45.5	18.8	VuEB007C73
E3651	KC2012	01	19.06587	09	13	52.49	+37	04	47.8	18.2	VuEB007C73
E3651	KC2012	01	19.06728	09	13	52.36	+37	04	48.8	18.7	VuEB007C73
E3651	KC2012	01	19.06868	09	13	52.24	+37	04	49.8	18.2	VuEB007C73
E3651	KC2012	01	19.07008	09	13	52.11	+37	04	50.7	18.0	VuEB007C73
E3651	KC2012	01	19.07149	09	13	52.07	+37	04	52.1	18.6	VuEB007C73
E3651	KC2012	01	19.07289	09	13	51.93	+37	04	53.1	18.6	VuEB007C73
G2038	C2012	01	18.44753	10	14	09.52	+06	44	14.7	19.2	VrEB007703
G2038	C2012	01	18.45521	10	14	08.98	+06	44	11.5	19.4	VrEB007703
G2038	C2012	01	18.46299	10	14	08.48	+06	44	10.2	19.0	VrEB007703
G2038	C2012	01	18.47060	10	14	07.98	+06	44	07.8	18.9	VrEB007703
G3000	C2012	01	18.35951	10	41	12.73	+19	43	17.7	18.7	VrEB007703
G3000	C2012	01	18.37866	10	41	12.19	+19	43	24.0	18.7	VrEB007703
G3000	C2012	01	18.38823	10	41	11.90	+19	43	26.5	18.3	VrEB007703
G3693	KC2012	01	19.16657	15	57	41.63	+09	08	15.4	18.2	VuEB007C73
G3693	KC2012	01	19.16891	15	57	42.06	+09	08	16.4	17.8	VuEB007C73
G3693	KC2012	01	19.17125	15	57	42.61	+09	08	17.8	18.0	VuEB007C73
G3693	KC2012	01	19.17594	15	57	43.68	+09	08	21.1	17.1	VuEB007C73
H2034	C2012	01	18.08035	23	13	33.31	+16	56	13.0	19.1	VrEB007703
H2034	C2012	01	18.08572	23	13	34.32	+16	56	25.2	19.3	VrEB007703
H2034	C2012	01	18.09118	23	13	35.29	+16	56	37.9	19.3	VrEB007703
H2034	C2012	01	18.09666	23	13	36.30	+16	56	49.4	19.0	VrEB007703
J0491	C2012	01	18.21664	05	02	43.41	-14	22	01.2	19.3	cEB007704
J0491	C2012	01	18.22972	05	02	46.23	-14	21	23.6	19.5	cEB007704
J0491	C2012	01	18.24281	05	02	48.92	-14	20	45.2	19.4	cEB007704
J0491	C2012	01	18.25588	05	02	51.78	-14	20	07.7	19.5	cEB007704
J0491	C2012	01	18.26891	05	02	54.61	-14	19	30.4	19.7	cEB007704
J2642	KC2012	01	18.02402	10	12	46.82	+10	32	52.1	17.5	RuEB007160
J2642	KC2012	01	18.02678	10	12	46.76	+10	32	51.4	17.3	RuEB007160
J2642	KC2012	01	18.02950	10	12	46.69	+10	32	50.7	17.2	RuEB007160
J2642	C2012	01	18.40978	10	12	38.32	+10	31	09.1	18.1	VoEB007691
J2642	C2012	01	18.42772	10	12	37.88	+10	31	04.3	18.0	VoEB007691
J2642	C2012	01	18.44566	10	12	37.40	+10	30	59.4	18.0	VoEB007691
K2435	KC2012	01	13.81477	04	12	55.85	+55	33	30.4	18.0	RcEB007A24
K2435	KC2012	01	13.81588	04	12	55.18	+55	33	30.9	17.5	RcEB007A24
K2435	KC2012	01	13.81682	04	12	54.55	+55	33	30.8	17.9	RcEB007A24
K2435	KC2012	01	13.86337	04	12	28.75	+55	34	00.3	18.0	RcEB007A24
K2435	KC2012	01	13.86449	04	12	28.16	+55	34	01.2	18.0	RcEB007A24
K2435	KC2012	01	13.86542	04	12	27.67	+55	33	59.2	17.9	RcEB007A24
K9924	C2012	01	13.79277	02	08	21.20	+26	54	14.4	15.9	RcEB007A24
K9924	C2012	01	13.84133	02	08	30.15	+26	51	47.2	16.5	RcEB007A24
K9924	C2012	01	13.84205	02	08	30.27	+26	51	45.1	16.0	RcEB007A24
Q3976	KC2012	01	18.14456	15	07	56.24	+12	56	37.4	17.2	RuEB007160
Q3976	KC2012	01	18.14671	15	07	56.20	+12	56	48.2	17.5	RuEB007160
Q3976	KC2012	01	18.14888	15	07	56.16	+12	56	58.8	18.0	RuEB007160
Q3976	KC2012	01	19.13512	15	07	39.58	+14	15	08.5	17.5	VuEB007C73
Q3976	KC2012	01	19.13652	15	07	39.55	+14	15	15.5	17.8	VuEB007C73
Q3976	KC2012	01	19.13793	15	07	39.54	+14	15	22.6	18.0	VuEB007C73
Q3976	KC2012	01	19.13933	15	07	39.47	+14	15	28.4	17.7	VuEB007C73
Q3976	KC2012	01	19.14074	15	07	39.47	+14	15	35.3	17.7	VuEB007C73



Q3976	KC2012	01	19.14214	15	07	39.43	+14	15	42.3	18.0	VuEB007C73
Q3976	KC2012	01	19.14355	15	07	39.37	+14	15	48.7	17.6	VuEB007C73
Q3976	KC2012	01	19.14495	15	07	39.39	+14	15	55.2	17.4	VuEB007C73
Q3976	KC2012	01	19.14635	15	07	39.27	+14	16	01.8	17.8	VuEB007C73
Q3976	KC2012	01	19.14776	15	07	39.24	+14	16	08.6	17.8	VuEB007C73
R5792	C2012	01	18.47975	10	53	53.16	+20	53	39.2	18.7	VrEB007703
R5792	C2012	01	18.48593	10	53	52.54	+20	53	26.7	18.4	VrEB007703
R5792	C2012	01	18.49205	10	53	51.93	+20	53	15.7	18.9	VrEB007703
R5792	C2012	01	18.49837	10	53	51.28	+20	53	03.4	18.5	VrEB007703
S9315	C2012	01	18.28660	06	55	21.62	+07	59	09.3	18.2	RuEB007H45
S9315	C2012	01	18.28851	06	55	21.53	+07	59	11.9	18.1	RuEB007H45
S9315	C2012	01	18.29003	06	55	21.45	+07	59	13.9	17.9	RuEB007H45
S9315	C2012	01	18.29201	06	55	21.41	+07	59	16.5	18.0	RuEB007H45
S9315	C2012	01	18.29370	06	55	21.35	+07	59	18.4	18.0	RuEB007H45
V0442	KC2012	01	17.97910	07	02	10.50	-00	27	35.9	16.6	RuEB007160
V0442	KC2012	01	17.98124	07	02	09.79	-00	27	30.3	16.5	RuEB007160
V0442	KC2012	01	17.98328	07	02	09.11	-00	27	24.8	16.5	RuEB007160
V0442	C2012	01	18.31466	07	00	24.18	-00	12	50.7	17.6	RuEB007H45
V0442	C2012	01	18.31622	07	00	23.67	-00	12	46.7	17.4	RuEB007H45
V0442	C2012	01	18.31742	07	00	23.32	-00	12	43.4	17.6	RuEB007H45
V0442	C2012	01	18.32077	07	00	22.21	-00	12	35.2	17.4	RuEB007H45
V0442	C2012	01	18.32166	07	00	21.90	-00	12	32.9	17.6	RuEB007H45
V0842	KC2012	01	18.71576	04	46	06.24	+31	04	35.8	17.7	VuEB007C73
V0842	KC2012	01	18.71809	04	46	06.39	+31	04	28.1	17.6	VuEB007C73

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