

MPEC 2012-D27 : DAILY ORBIT UPDATE (2012 FEB. 20 UT)

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M.P.E.C. 2012-D27

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Update to [MPEC 2012-D22](#)

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

New identification:

K03SN10	K12C48B	MPCW
K03SX6L	K12C49X	MPCW
K04RP6E	K12C51X	MPCW
K04RV6R	K12C49T	MPCW
K05C29Z	K12C49Z	MPCW
K05EG5P	K12C51B	MPCW
K05GC4W	K12C46Y	MPCW
K05Q02U	K12C46V	MPCS
K05QC9B	K12D02E	MPCW
K05TI3F	K12D00S	MPCS
K05W46S	K12D02K	MPCW
K05Y78Z	K12C48M	MPCW
K06A94U	K12C50K	MPCW
K06B89J	K12D02H	MPCW
K07D39K	K12C52H	MPCW
K07E25M	K12C47P	MPCW
K07RI9O	K12C52C	MPCW
K07VF6F	K12C50N	MPCW
K08B34M	K12C51S	MPCW
K08CK3T	K12C52W	MPCW
K08D77X	K12C48H	MPCW

K08EB3U	K12C52Q	MPCW
K08F76F	K12D01M	MPCW
K08F94B	K12C47K	MPCW
K08G43B	K12D03N	MPCW
K08GC1Y	K12C47C	MPCW
K09G00W	K12C49K	MPCW
K09Q37R	K12C50C	MPCW
K09R66M	K12C51N	MPCW
K10RA0F	K12C48G	MPCW
K10S22N	K12C50U	MPCW
K10T53O	K12C51L	MPCW
K10V91Z	K12C52M	MPCW

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J93T46C	15.6	0.15	K123E	160.734	190.825	185.253	14.000	0.21635	2.58745	7	X
J95D01W	21.2	0.15	K123E	265.256	326.996	348.877	15.064	0.43689	1.04014	3	X
J95F00J	20.3	0.15	K123E	258.597	316.422	4.716	25.034	0.27047	1.08542	3	X
J96A01J	20.2	0.15	K123E	337.185	238.185	91.057	2.538	0.78133	1.30989	5	X
J97S13B	18.1	0.15	K123E	97.276	231.617	174.257	5.787	0.14656	2.21847	6	X
J98FD2X	15.9	0.15	K123E	289.414	286.860	354.500	24.359	0.24880	2.29984	4	X
J99CD4M	15.9	0.15	K123E	175.247	205.066	143.265	17.143	0.21110	2.62398	7	X
J99F21J	20.3	0.15	K123E	80.476	67.614	19.510	21.965	0.27450	1.27441	3	X
J99J47G	16.7	0.15	K123E	315.575	353.867	226.683	9.427	0.27703	2.72033	5	X
J99TF3L	16.7	0.15	K123E	89.146	53.132	1.603	12.682	0.18807	2.41331	5	X
J99TF4M	16.8	0.15	K123E	237.933	168.304	157.291	1.501	0.24414	2.30350	7	X
J99TX2R	16.3	0.15	K123E	103.211	11.858	19.369	10.460	0.09646	3.08148	5	X
J99VL5R	16.0	0.15	K123E	81.050	30.805	6.633	10.017	0.22658	3.15024	4	X
K00CA1B	13.6	0.15	K123E	68.268	96.777	306.923	8.560	0.05243	5.32505	5	X
K00D78O	17.0	0.15	K123E	345.204	180.809	345.240	13.163	0.12317	2.54956	4	X
K00D98W	15.7	0.15	K123E	60.910	52.786	356.712	12.388	0.34525	2.52950	4	X
K00E62E	16.4	0.15	K123E	300.684	251.596	357.877	28.787	0.37746	2.55856	4	X
K00Q17X	16.0	0.15	K123E	246.212	145.945	147.447	15.196	0.13666	2.69964	5	X
K00QE7Y	17.1	0.15	K123E	76.382	260.187	160.185	22.038	0.11568	1.89635	6	X
K00QH4E	17.3	0.15	K123E	120.220	65.711	309.039	5.197	0.27420	2.25905	4	X
K00U67R	15.8	0.15	K123E	17.487	144.654	243.353	15.542	0.28959	3.14181	2	X
K00X46C	16.5	0.15	K123E	40.451	89.739	15.310	22.824	0.24341	2.34127	4	X
K00Y34D	16.1	0.15	K123E	38.084	352.148	131.834	9.639	0.27901	2.35280	4	X
K01B00M	15.3	0.15	K123E	350.790	202.844	329.180	20.072	0.16897	3.08504	4	X
K01B83O	18.2	0.15	K123E	342.381	39.360	129.514	2.216	0.12774	2.38360	4	X
K01C20W	16.0	0.15	K123E	27.846	62.549	107.768	24.637	0.24390	2.33487	4	X
K01DA6W	16.2	0.15	K123E	324.291	230.726	322.761	10.748	0.06700	3.11087	3	X
K01FE0E	17.4	0.15	K123E	321.216	238.346	353.441	2.401	0.14774	2.37925	5	X
K01H13S	15.7	0.15	K123E	308.221	81.004	172.341	25.416	0.26800	3.16965	5	X
K01P37D	16.5	0.15	K123E	210.181	313.933	7.000	13.682	0.10943	2.56889	3	X
K01R07K	15.9	0.15	K123E	129.693	215.304	163.263	11.848	0.14243	2.64537	4	X
K01R13S	16.7	0.15	K123E	67.864	79.712	346.966	14.411	0.24359	2.73213	5	X
K01RB3L	16.4	0.15	K123E	241.386	279.935	358.200	11.289	0.15854	2.58950	5	X
K01SA2M	18.5	0.15	K123E	161.256	14.697	323.312	2.582	0.09714	2.11929	5	X
K01TM2Q	16.1	0.15	K123E	325.841	225.023	358.464	13.081	0.08880	2.60243	5	X
K02A19E	16.0	0.15	K123E	65.540	5.290	59.599	17.829	0.21026	2.87563	3	X
K02C66D	18.0	0.15	K123E	24.731	167.138	319.464	8.118	0.12632	2.21259	2	X
K02C90A	17.9	0.15	K123E	3.214	16.659	136.840	7.442	0.11266	2.23303	6	X
K02CC1F	17.5	0.15	K123E	78.017	271.562	149.079	6.418	0.13159	2.21907	4	X
K02CF8L	17.9	0.15	K123E	26.424	159.796	351.947	4.850	0.05604	2.19689	4	X
K02CM2B	18.0	0.15	K123E	15.002	0.776	137.266	6.826	0.09122	2.22259	2	X
K02E06L	18.0	0.15	K123E	287.645	186.430	85.022	9.540	0.57915	2.29878	4	X
K02E52Z	15.5	0.15	K123E	238.330	152.024	158.698	12.564	0.03443	2.87679	5	X
K02E96O	18.0	0.15	K123E	43.831	110.163	352.210	3.179	0.16712	2.24929	6	X
K02EB0D	17.9	0.15	K123E	26.289	70.022	61.990	2.515	0.13198	2.23919	6	X
K02G91X	16.0	0.15	K123E	291.063	89.488	132.146	2.578	0.14681	3.07146	7	X

K02GE1P	17.2	0.15	K123E	294.990	74.635	189.499	6.719	0.19959	2.25946	5 X
K02GI8J	13.9	0.15	K123E	6.460	344.478	138.978	7.489	0.05781	5.11198	6 X
K02J08H	16.9	0.15	K123E	298.786	81.134	177.162	8.736	0.17896	2.25673	8 X
K02N64S	17.2	0.15	K123E	251.123	346.784	328.411	2.419	0.24694	2.32065	6 X
K02O07V	17.3	0.15	K123E	259.839	330.564	299.201	19.001	0.06138	1.92231	2 X
K02PB3C	17.6	0.15	K123E	269.093	300.847	316.412	17.896	0.05961	1.93452	5 X
K02PD0U	16.3	0.15	K123E	65.743	253.407	135.868	27.141	0.38410	2.61143	3 X
K02T71A	15.8	0.15	K123E	358.316	188.077	239.669	10.183	0.23580	2.73730	3 X
K02X09G	16.3	0.15	K123E	92.321	140.219	261.497	12.362	0.10271	2.59885	4 X
K02X70W	16.4	0.15	K123E	14.615	216.247	271.541	12.481	0.19866	2.67046	2 X
K02Y25A	16.4	0.15	K123E	42.609	349.979	112.407	5.855	0.20810	2.66203	4 X
K03A56S	16.1	0.15	K123E	325.460	251.282	324.127	11.422	0.20445	2.65862	6 X
K03B23P	16.3	0.15	K123E	359.300	254.210	252.211	11.767	0.18890	2.72318	4 X
K03B29E	16.9	0.15	K123E	335.409	37.976	130.994	12.521	0.19525	2.73632	3 X
K03B57Y	17.1	0.15	K123E	27.148	166.772	314.082	13.020	0.19319	2.69860	2 X
K03D06O	16.4	0.15	K123E	343.747	34.731	149.069	11.374	0.24400	2.72661	4 X
K03F28T	16.5	0.15	K123E	316.155	118.914	95.966	9.596	0.22245	2.79627	4 X
K03F51H	17.0	0.15	K123E	342.979	89.171	107.681	2.898	0.19270	2.71531	6 X
K03F53J	15.7	0.15	K123E	340.626	148.285	54.132	14.307	0.15161	2.73312	3 X
K03FD2J	17.3	0.15	K123E	352.644	246.147	283.863	9.315	0.25427	2.75568	3 X
K03G25V	16.8	0.15	K123E	280.792	215.556	21.470	9.272	0.10763	2.78376	5 X
K03G33Y	16.5	0.15	K123E	336.742	186.524	12.157	16.244	0.24754	2.73604	3 X
K03H06B	17.6	0.15	K123E	327.797	142.196	164.155	6.312	0.57442	2.70278	4 X
K03O05D	14.7	0.15	K123E	175.191	211.580	133.791	9.815	0.17485	3.15193	4 X
K03Q29Z	19.0	0.15	K123E	47.461	251.075	162.866	8.718	0.60288	2.47894	3 X
K03Q40J	16.8	0.15	K123E	237.615	322.753	345.579	6.177	0.21606	2.21215	4 X
K03Q49X	15.6	0.15	K123E	225.352	156.803	161.081	23.304	0.16686	3.09502	5 X
K03S32R	17.9	0.15	K123E	131.194	201.124	168.386	2.562	0.21444	2.33429	4 X
K03S34K	16.0	0.15	K123E	198.424	322.058	6.530	10.251	0.04787	3.21823	3 X
K03S96D	17.8	0.15	K123E	264.164	303.188	347.492	2.031	0.24601	2.19113	5 X
K03SD1M	16.8	0.15	K123E	196.015	339.757	12.944	2.906	0.17731	2.25490	4 X
K03SG5M	16.7	0.15	K123E	114.007	209.805	184.132	7.014	0.26269	2.36107	4 X
K03SG6Y	17.6	0.15	K123E	218.788	352.066	317.457	4.406	0.18974	2.24075	3 X
K03SH7S	17.2	0.15	K123E	151.070	20.311	340.838	7.617	0.07260	2.30376	4 X
K03SN1O	17.0	0.15	K123E	79.377	315.221	106.007	4.161	0.22184	2.36112	5 X
K03SX2Z	18.3	0.15	K123E	82.399	319.491	92.802	2.376	0.17761	2.37626	2 X
K03SX4E	18.6	0.15	K123E	74.441	123.665	280.550	1.635	0.19203	2.41565	3 X
K03SX4K	17.5	0.15	K123E	36.058	184.260	292.578	2.259	0.06039	2.30408	6 X
K03SX6L	18.9	0.15	K123E	56.590	58.197	18.326	6.847	0.14508	2.37626	3 X
K03Sd3J	17.6	0.15	K123E	59.124	339.054	108.207	5.039	0.16766	2.37041	2 X
K03T17R	17.6	0.15	K123E	101.513	133.042	274.039	0.471	0.17844	2.35114	4 X
K03T27L	15.7	0.15	K123E	335.965	242.832	323.161	6.370	0.09007	3.21564	8 X
K03T55M	17.3	0.15	K123E	233.210	214.040	73.222	7.220	0.12601	2.28922	4 X
K03U39J	17.5	0.15	K123E	7.972	94.189	46.534	7.584	0.06303	2.38205	5 X
K03U63O	17.4	0.15	K123E	99.365	303.958	81.668	8.678	0.23387	2.38580	4 X
K03U67J	16.1	0.15	K123E	220.852	122.553	180.624	3.937	0.13626	3.21569	6 X
K03UL9E	17.7	0.15	K123E	70.856	108.286	333.209	2.775	0.13883	2.36205	4 X
K03UO4Y	17.0	0.15	K123E	57.306	302.424	141.487	4.061	0.12535	2.39874	6 X
K03UT7K	17.4	0.15	K123E	70.643	51.448	16.006	7.520	0.09699	2.38202	3 X
K03V04G	17.4	0.15	K123E	146.283	315.830	26.651	6.622	0.26700	2.36773	3 X
K03W11H	17.2	0.15	K123E	123.828	58.980	300.744	4.831	0.20668	2.38402	3 X
K03W63S	16.6	0.15	K123E	31.901	62.434	60.160	4.853	0.17259	2.41916	4 X
K03WA6X	17.4	0.15	K123E	47.709	118.995	318.702	6.169	0.06630	2.40902	4 X
K03WC4R	16.9	0.15	K123E	27.020	74.824	37.277	5.175	0.15638	2.45704	4 X
K03X10V	19.4	0.15	K123E	320.729	321.384	1.952	11.563	0.67944	1.43511	4 X
K03YE1G	16.2	0.15	K123E	3.190	4.691	52.469	13.590	0.15065	2.62507	3 X
K04A13Q	18.9	0.15	K123E	36.160	14.724	103.203	4.637	0.14096	2.46571	3 X
K04B28L	17.3	0.15	K123E	6.410	201.483	311.321	18.511	0.07372	1.91464	2 X
K04B69J	17.4	0.15	K123E	37.070	342.417	129.443	8.293	0.20210	2.53141	3 X
K04BB6O	17.1	0.15	K123E	64.839	98.692	358.706	11.139	0.18797	2.44322	4 X
K04D09Y	16.0	0.15	K123E	14.343	351.044	135.443	22.443	0.04982	2.56157	3 X

K04D29W	16.7	0.15	K123E	47.567	67.865	349.121	3.034	0.28111	2.56312	4 X
K04E01Q	15.1	0.15	K123E	9.604	167.419	354.514	8.849	0.14071	3.97680	6 X
K04E16E	17.6	0.15	K123E	358.567	180.325	340.671	7.023	0.19314	2.53249	4 X
K04E31A	17.8	0.15	K123E	320.937	178.890	0.151	19.900	0.04244	1.96517	4 X
K04E91N	17.7	0.15	K123E	356.127	163.554	12.706	3.375	0.16477	2.51897	6 X
K04F83F	17.0	0.15	K123E	302.339	277.147	300.326	13.593	0.25453	2.61426	4 X
K04FA3K	18.1	0.15	K123E	316.618	28.432	181.971	1.975	0.11544	2.55286	5 X
K04G75A	16.3	0.15	K123E	254.379	167.319	108.629	15.020	0.22509	2.67584	4 X
K04H46B	17.0	0.15	K123E	346.663	264.593	269.393	11.054	0.26120	2.58132	3 X
K04H58W	17.0	0.15	K123E	300.419	179.122	48.716	8.511	0.17112	2.63538	3 X
K04J12K	15.8	0.15	K123E	352.962	77.089	109.791	15.912	0.13556	2.57856	4 X
K04J24X	16.9	0.15	K123E	294.892	170.963	62.012	8.847	0.17511	2.64437	4 X
K04M02B	17.3	0.15	K123E	353.155	44.339	118.015	13.777	0.19062	2.64979	2 X
K04P39K	16.2	0.15	K123E	268.484	133.969	160.328	13.343	0.15197	2.75145	6 X
K04P64R	16.6	0.15	K123E	295.655	284.715	321.852	6.246	0.19942	2.76451	6 X
K04Q03X	16.1	0.15	K123E	189.585	334.419	338.623	17.829	0.13357	2.92534	4 X
K04R19J	16.0	0.15	K123E	93.216	235.411	159.225	6.062	0.26457	3.15960	4 X
K04RE1X	16.1	0.15	K123E	89.294	241.258	164.595	8.258	0.20489	3.13757	5 X
K04RI0A	15.0	0.15	K123E	251.032	339.052	299.867	9.585	0.07688	2.93156	6 X
K04RP6E	16.0	0.15	K123E	91.109	248.547	157.302	16.287	0.20244	3.12179	3 X
K04RQ1V	16.5	0.15	K123E	44.185	92.126	351.730	14.285	0.16109	3.18097	4 X
K04RT2P	16.2	0.15	K123E	223.901	323.031	3.315	6.104	0.07051	2.85078	5 X
K04RV6R	16.4	0.15	K123E	142.984	3.989	346.015	14.889	0.14522	3.08744	3 X
K04S30G	15.7	0.15	K123E	63.551	72.651	7.334	8.363	0.18496	3.18062	5 X
K04T45A	15.0	0.15	K123E	99.690	184.853	224.393	7.929	0.05903	3.16515	4 X
K04TD2H	15.3	0.15	K123E	151.943	185.113	194.550	9.409	0.15228	3.04496	5 X
K04TM6N	16.1	0.15	K123E	150.031	322.287	27.494	9.680	0.06390	3.10459	4 X
K04TQ2N	16.0	0.15	K123E	131.487	279.543	78.513	10.726	0.23919	3.11947	5 X
K04TX7Y	16.7	0.15	K123E	165.234	138.942	209.051	2.501	0.07114	3.08349	7 X
K04Ta8D	15.6	0.15	K123E	202.170	309.627	19.571	12.785	0.12928	2.99789	5 X
K04U01C	16.0	0.15	K123E	161.643	30.494	296.159	4.264	0.18675	3.16782	6 X
K04V51H	18.4	0.15	K123E	74.523	313.676	129.372	2.991	0.11116	2.18349	7 X
K04X36Y	17.8	0.15	K123E	146.505	271.836	78.232	6.590	0.15133	2.20993	4 X
K05A14H	17.2	0.15	K123E	349.827	192.316	59.438	12.871	0.61039	2.31266	4 X
K05A45A	18.2	0.15	K123E	29.362	143.787	337.929	4.170	0.17165	2.28501	3 X
K05B00N	18.7	0.15	K123E	51.290	14.057	81.242	3.905	0.18342	2.25891	4 X
K05B20D	17.0	0.15	K123E	79.961	331.534	95.194	3.820	0.15324	2.26800	6 X
K05C02G	17.6	0.15	K123E	331.864	85.429	120.542	5.434	0.16288	2.28641	5 X
K05C16D	18.3	0.15	K123E	4.855	215.168	300.302	2.106	0.14745	2.28449	5 X
K05C29Z	17.7	0.15	K123E	305.795	246.122	354.947	4.808	0.17278	2.27971	3 X
K05D01Q	17.8	0.15	K123E	57.838	119.632	322.655	1.961	0.15464	2.32254	3 X
K05E02K	17.5	0.15	K123E	312.519	74.681	143.606	2.370	0.15450	2.31767	3 X
K05E03A	18.1	0.15	K123E	340.777	215.160	328.231	5.208	0.09744	2.28039	4 X
K05E04T	17.1	0.15	K123E	297.650	70.913	147.058	5.420	0.11126	2.35824	6 X
K05E10V	17.8	0.15	K123E	356.452	226.013	297.427	1.959	0.16691	2.32363	5 X
K05E25D	17.0	0.15	K123E	12.154	5.713	137.302	6.841	0.15475	2.32785	3 X
K05E26B	17.7	0.15	K123E	324.929	182.264	2.250	1.859	0.12823	2.35579	4 X
K05E29H	17.1	0.15	K123E	319.475	47.479	177.635	6.594	0.07518	2.28144	7 X
K05E75S	17.9	0.15	K123E	311.477	347.426	216.671	0.692	0.12632	2.36061	2 X
K05EC1A	17.2	0.15	K123E	350.886	240.822	295.810	5.984	0.11643	2.29662	5 X
K05EG5P	18.5	0.15	K123E	316.927	46.584	165.651	2.884	0.11561	2.34023	3 X
K05GB5W	18.4	0.15	K123E	351.533	109.164	66.988	2.434	0.11067	2.35142	4 X
K05GC4W	18.0	0.15	K123E	334.083	78.537	114.443	2.120	0.13582	2.36210	3 X
K05GD2H	17.9	0.15	K123E	31.006	317.223	179.503	5.552	0.06702	2.35346	4 X
K05GD6T	17.6	0.15	K123E	257.560	184.369	100.656	5.495	0.17491	2.39737	7 X
K05J25A	17.6	0.15	K123E	282.697	113.786	166.743	1.340	0.17163	2.35610	7 X
K05J30H	18.2	0.15	K123E	316.229	228.397	348.897	1.215	0.14002	2.32271	4 X
K05J34J	17.5	0.15	K123E	306.174	75.476	133.369	5.861	0.20735	2.43331	3 X
K05J44L	17.3	0.15	K123E	299.533	126.938	119.937	2.038	0.15311	2.36817	8 X
K05J75S	17.8	0.15	K123E	317.267	148.954	71.640	3.089	0.15634	2.36729	6 X
K05J99H	17.0	0.15	K123E	127.256	259.684	102.123	11.397	0.22800	2.58510	4 X

K05L18H	17.9	0.15	K123E	349.268	358.710	174.323	4.425	0.13554	2.42029	5 X
K05L41A	17.7	0.15	K123E	258.610	131.699	139.442	3.033	0.17362	2.45648	6 X
K05M48J	17.2	0.15	K123E	234.827	130.456	163.682	7.223	0.09875	2.54972	7 X
K05N50T	16.5	0.15	K123E	265.338	105.274	133.616	14.992	0.04092	2.62092	5 X
K05O13H	17.4	0.15	K123E	212.293	342.026	340.291	20.318	0.03179	1.87480	4 X
K05O19Y	17.0	0.15	K123E	127.918	64.932	316.267	5.763	0.05723	2.68613	7 X
K05P19O	16.6	0.15	K123E	1.120	197.721	338.419	9.222	0.11493	2.58088	4 X
K05Q02U	18.2	0.15	K123E	159.790	198.620	161.484	23.074	0.07507	1.89176	2 S
K05Q16M	18.1	0.15	K123E	60.149	294.807	159.458	25.207	0.13695	1.93460	3 X
K05QA1U	16.6	0.15	K123E	153.154	36.864	301.518	4.615	0.11846	2.77639	4 X
K05QA4K	17.0	0.15	K123E	139.960	51.859	318.235	4.448	0.13910	2.73999	5 X
K05QC9B	17.5	0.15	K123E	155.277	351.696	13.465	6.396	0.04790	2.69543	5 X
K05QH9M	17.2	0.15	K123E	167.412	17.608	331.056	2.522	0.07910	2.68020	5 X
K05QI8L	17.2	0.15	K123E	90.310	158.233	240.136	1.119	0.06996	2.86728	5 X
K05R44E	17.6	0.15	K123E	74.674	108.546	350.780	19.194	0.06759	1.92230	5 X
K05S00D	16.2	0.15	K123E	51.104	91.033	313.894	21.130	0.49729	3.13252	3 X
K05S08M	17.5	0.15	K123E	180.884	318.479	13.903	19.970	0.07140	1.93973	2 X
K05S17T	17.2	0.15	K123E	104.359	40.460	15.957	3.073	0.08065	2.77161	4 X
K05S21M	16.3	0.15	K123E	205.882	317.092	3.524	9.161	0.10790	2.72996	6 X
K05S46A	16.5	0.15	K123E	252.010	324.326	335.111	2.172	0.05975	2.64863	4 X
K05S46K	16.5	0.15	K123E	121.330	7.143	7.771	9.857	0.09890	2.86397	5 X
K05S75L	16.8	0.15	K123E	129.147	34.009	3.720	5.673	0.01698	2.71775	5 X
K05SA2B	16.9	0.15	K123E	209.063	0.872	307.678	4.271	0.03661	2.77580	4 X
K05SG6V	17.1	0.15	K123E	99.993	27.088	26.672	21.348	0.09396	1.94512	5 X
K05SH7P	17.0	0.15	K123E	23.270	151.557	338.797	6.798	0.11493	2.82933	4 X
K05SK0S	16.8	0.15	K123E	37.941	78.216	26.503	9.613	0.08512	2.86637	2 X
K05SO5N	16.9	0.15	K123E	90.028	30.723	17.257	8.766	0.05835	2.87832	4 X
K05SP7D	16.5	0.15	K123E	221.609	143.241	158.389	11.455	0.06479	2.70134	5 X
K05SQ2Z	16.8	0.15	K123E	24.256	19.576	74.777	3.384	0.20912	3.04238	3 X
K05SQ6W	16.5	0.15	K123E	157.597	315.511	29.587	10.127	0.10246	2.79246	4 X
K05SQ6Z	17.0	0.15	K123E	313.530	62.613	177.557	15.175	0.11653	2.56497	5 X
K05SS2R	17.5	0.15	K123E	106.790	241.647	160.867	5.273	0.06378	2.79538	4 X
K05ST0C	17.2	0.15	K123E	100.295	348.453	47.730	7.302	0.07193	2.88729	4 X
K05T05K	16.0	0.15	K123E	207.763	334.421	356.025	12.116	0.19411	2.66368	4 X
K05T15J	17.3	0.15	K123E	84.905	49.572	23.306	21.181	0.04241	1.93820	6 X
K05T41X	14.9	0.15	K123E	193.320	297.539	27.282	24.157	0.26078	2.76060	4 X
K05T90P	16.4	0.15	K123E	87.975	192.580	217.453	12.164	0.15000	2.87118	3 X
K05TH6M	16.3	0.15	K123E	161.966	334.109	24.896	6.268	0.07350	2.75707	5 X
K05TH7O	16.4	0.15	K123E	176.970	236.895	92.600	10.732	0.20321	2.73070	7 X
K05TI3F	17.3	0.15	K123E	280.261	242.258	0.485	20.215	0.03717	1.90502	2 S
K05U04P	16.2	0.15	K123E	33.972	285.783	166.094	23.576	0.42226	3.16053	3 X
K05U58Q	16.7	0.15	K123E	12.812	80.055	30.583	4.956	0.09770	3.06045	4 X
K05U95J	17.0	0.15	K123E	53.873	312.795	99.436	2.605	0.19145	3.10665	4 X
K05UA5R	16.7	0.15	K123E	21.267	55.483	64.750	9.324	0.17620	3.03330	2 X
K05UJ6A	17.0	0.15	K123E	47.951	59.305	30.596	3.273	0.24342	3.01737	3 X
K05UT6F	16.5	0.15	K123E	76.295	167.963	238.831	1.926	0.12774	3.03811	5 X
K05UV9B	17.1	0.15	K123E	278.184	247.215	18.421	2.583	0.13825	2.71931	5 X
K05UX0W	16.6	0.15	K123E	79.366	252.820	177.113	2.053	0.08293	2.94802	5 X
K05UX1E	16.2	0.15	K123E	289.289	222.573	7.015	4.953	0.04360	2.83434	6 X
K05Ua9E	17.8	0.15	K123E	45.364	316.700	123.080	2.970	0.16710	3.07557	3 X
K05Ug2M	16.1	0.15	K123E	95.448	48.825	47.131	22.278	0.03538	2.76152	5 X
K05Um2R	17.3	0.15	K123E	150.120	344.065	22.232	21.245	0.07408	1.91536	5 X
K05V26F	16.6	0.15	K123E	68.764	231.271	225.751	3.973	0.11158	2.78112	6 X
K05V42Y	16.1	0.15	K123E	122.679	343.517	98.789	11.944	0.22891	2.75077	5 X
K05V52B	16.9	0.15	K123E	60.282	273.688	139.114	6.311	0.29368	3.07007	4 X
K05V58K	16.9	0.15	K123E	60.890	112.766	346.400	5.291	0.08435	2.86262	5 X
K05VC6X	17.5	0.15	K123E	278.346	95.157	163.955	2.336	0.16273	2.62554	3 X
K05VD0T	17.3	0.15	K123E	64.054	293.614	161.467	6.550	0.01243	2.79101	4 X
K05W46S	16.9	0.15	K123E	220.435	255.292	52.995	4.387	0.08084	2.80691	6 X
K05W98D	17.0	0.15	K123E	50.252	142.853	306.830	0.304	0.26205	3.10914	3 X
K05WG4S	17.2	0.15	K123E	56.674	267.052	172.128	0.757	0.11320	3.01670	4 X

K05X17P	16.1	0.15	K123E	103.013	296.927	95.420	10.623	0.09212	3.11804	3 X
K05X30Q	16.4	0.15	K123E	30.825	3.225	98.740	11.877	0.17383	3.13474	3 X
K05X63U	15.5	0.15	K123E	90.066	340.836	34.958	8.584	0.36860	3.05740	4 X
K05Y02Z	15.9	0.15	K123E	56.897	105.348	341.845	17.449	0.26275	3.11558	5 X
K05Y12X	17.2	0.15	K123E	56.093	138.355	308.263	0.833	0.15163	3.14465	3 X
K05Y65Q	16.9	0.15	K123E	43.611	105.350	14.856	0.914	0.04553	3.05774	6 X
K05Y70X	15.2	0.15	K123E	25.996	184.789	299.464	15.509	0.09140	3.14929	4 X
K05Y78Z	16.4	0.15	K123E	281.729	119.587	105.094	12.014	0.03849	3.16302	2 X
K05Y84B	16.3	0.15	K123E	296.245	47.382	179.759	2.079	0.03741	3.11054	8 X
K05YB4Q	16.0	0.15	K123E	320.816	241.404	312.662	7.892	0.03608	3.16850	5 X
K05YC9G	16.4	0.15	K123E	16.326	195.816	298.201	4.320	0.13388	3.11857	5 X
K05YD4R	16.4	0.15	K123E	27.783	176.404	321.074	10.459	0.04400	3.06700	4 X
K05YE1Z	16.2	0.15	K123E	95.206	291.970	100.134	15.704	0.19501	3.15544	3 X
K05YE8R	16.2	0.15	K123E	296.192	261.960	322.453	8.495	0.04909	3.13024	6 X
K05YE8S	16.2	0.15	K123E	26.573	156.765	306.472	14.112	0.16320	3.24424	3 X
K05YH7P	15.6	0.15	K123E	233.608	324.928	316.873	7.866	0.04139	3.17845	4 X
K05YI7D	16.5	0.15	K123E	357.901	200.837	300.037	4.320	0.10710	3.22088	3 X
K05YJ4U	15.8	0.15	K123E	14.077	227.740	269.002	8.669	0.17800	3.15315	4 X
K05YJ8R	15.6	0.15	K123E	142.214	241.626	113.858	17.173	0.08129	3.15860	4 X
K05YP3Y	16.7	0.15	K123E	51.065	5.995	91.980	4.049	0.15821	3.14045	3 X
K05YR4W	15.5	0.15	K123E	67.702	131.745	329.381	9.189	0.04680	3.10461	4 X
K05YS1V	16.7	0.15	K123E	42.395	21.857	94.941	4.469	0.07205	2.99108	4 X
K06A10X	16.6	0.15	K123E	352.502	54.211	110.179	2.057	0.09914	3.16794	6 X
K06A50K	16.3	0.15	K123E	28.945	10.267	102.012	10.618	0.03883	3.18958	4 X
K06A94U	16.3	0.15	K123E	154.915	35.632	319.825	8.240	0.09788	3.16272	5 X
K06B66R	16.3	0.15	K123E	285.109	290.675	322.290	9.536	0.17149	3.18619	5 X
K06B87D	16.3	0.15	K123E	84.040	99.567	329.594	9.482	0.05909	3.20853	5 X
K06B89J	15.8	0.15	K123E	197.034	199.801	128.482	10.175	0.08573	3.16544	3 X
K06BA0Y	16.2	0.15	K123E	231.046	334.674	337.173	9.127	0.03941	3.08968	4 X
K06BD4A	16.1	0.15	K123E	43.942	136.673	352.432	4.285	0.11416	3.11695	5 X
K06BG4F	15.7	0.15	K123E	27.431	183.360	321.577	4.297	0.09228	3.14261	5 X
K06BH4V	15.9	0.15	K123E	66.388	98.886	336.576	14.380	0.13503	3.22849	5 X
K06BI3X	15.9	0.15	K123E	347.673	199.901	324.917	8.465	0.03134	3.17593	4 X
K06C00J	20.2	0.15	K123E	160.979	29.578	303.311	10.245	0.75487	0.67647	4 W
K06C59X	16.0	0.15	K123E	44.653	122.507	356.017	14.253	0.07567	3.28785	5 X
K06E69T	15.1	0.15	K123E	342.057	233.738	7.626	25.498	0.41700	3.12549	4 X
K06H98M	18.1	0.15	K123E	68.948	28.603	38.798	5.771	0.09779	2.22462	6 X
K06O11E	16.4	0.15	K123E	216.030	325.062	313.196	14.279	0.08649	2.37975	3 X
K06Q07F	16.8	0.15	K123E	106.641	20.276	347.737	14.781	0.27443	2.60107	4 X
K06Q72C	17.7	0.15	K123E	94.530	69.336	351.611	6.211	0.11230	2.44767	5 X
K06QE5M	17.7	0.15	K123E	88.922	262.436	126.440	1.098	0.19880	2.58654	6 X
K06QI6R	17.8	0.15	K123E	61.339	304.709	155.204	5.709	0.07558	2.41891	5 X
K06S20J	18.1	0.15	K123E	169.139	173.358	172.967	5.561	0.07663	2.45512	6 X
K06S34N	17.5	0.15	K123E	229.165	17.126	285.481	1.658	0.21125	2.35254	5 X
K06S66B	17.6	0.15	K123E	58.732	62.123	354.029	12.397	0.26871	2.66140	3 X
K06S71E	17.5	0.15	K123E	249.368	240.247	28.475	8.838	0.10600	2.46148	4 X
K06S87Q	18.0	0.15	K123E	225.559	89.948	188.090	2.211	0.05883	2.51689	5 X
K06S90D	17.2	0.15	K123E	275.832	69.438	217.217	2.618	0.17853	2.30060	5 X
K06SJ7P	17.3	0.15	K123E	62.686	333.478	103.656	4.546	0.22854	2.58119	6 X
K06SO2H	17.3	0.15	K123E	328.320	128.385	67.566	2.315	0.12713	2.42953	6 X
K06SU1T	16.1	0.15	K123E	25.754	324.688	50.970	24.696	0.29656	2.99002	2 X
K06SU3T	17.7	0.15	K123E	51.742	294.994	166.467	3.376	0.08207	2.52824	5 X
K06SV4F	17.4	0.15	K123E	291.639	98.789	127.701	2.035	0.14001	2.45582	5 X
K06Se0B	16.9	0.15	K123E	73.262	58.482	358.907	8.028	0.28032	2.68586	5 X
K06T22R	16.5	0.15	K123E	20.335	91.838	40.294	21.779	0.17738	2.63159	4 X
K06T46S	17.2	0.15	K123E	89.531	353.936	41.894	5.937	0.17023	2.66619	4 X
K06T61Q	17.3	0.15	K123E	53.616	59.165	355.400	4.691	0.16081	2.72376	4 X
K06TA0H	17.3	0.15	K123E	24.560	213.062	293.594	2.467	0.11245	2.52470	5 X
K06TA5X	16.4	0.15	K123E	79.166	316.316	72.710	12.005	0.29696	2.73445	4 X
K06U32K	17.9	0.15	K123E	84.214	222.378	176.322	0.405	0.15755	2.66417	3 X
K06U93G	17.4	0.15	K123E	60.315	256.614	179.676	3.138	0.19204	2.65681	4 X

K06UC7Y	17.1	0.15	K123E	9.819	258.382	230.600	8.919	0.26970	2.72930	5 X
K06UG4W	17.1	0.15	K123E	84.281	352.589	51.839	7.045	0.15961	2.63587	4 X
K06UK3Q	16.7	0.15	K123E	88.780	90.824	316.814	10.426	0.18621	2.61891	3 X
K06UM6W	17.5	0.15	K123E	76.767	249.106	155.640	1.164	0.20940	2.67767	4 X
K06UQ7C	17.0	0.15	K123E	97.317	83.244	314.850	3.757	0.21675	2.63220	4 X
K06V48Y	16.6	0.15	K123E	125.032	325.306	47.139	6.557	0.07298	2.66990	5 X
K06V92H	16.5	0.15	K123E	168.303	192.263	163.300	4.767	0.18306	2.51187	5 X
K06VB0Q	17.3	0.15	K123E	115.903	22.601	25.089	6.593	0.01047	2.59337	5 X
K06VB7U	16.7	0.15	K123E	275.181	226.771	44.485	5.349	0.18144	2.45073	7 X
K06VC4N	17.2	0.15	K123E	329.868	239.899	294.517	2.013	0.05453	2.68823	5 X
K06VG9O	16.6	0.15	K123E	158.351	288.899	76.543	2.842	0.18176	2.55314	4 X
K06VG9X	16.7	0.15	K123E	17.875	292.322	222.504	4.000	0.13741	2.62980	4 X
K06W39K	17.5	0.15	K123E	24.918	326.381	139.972	2.189	0.18710	2.77872	3 X
K06W42H	17.5	0.15	K123E	50.814	302.711	153.147	3.975	0.08120	2.64886	4 X
K06WB5Q	16.8	0.15	K123E	70.255	83.932	322.764	8.679	0.30738	2.73158	4 X
K06WE3L	17.1	0.15	K123E	316.627	12.432	170.537	2.001	0.01672	2.69336	4 X
K06WG0N	16.2	0.15	K123E	348.311	358.417	87.579	13.363	0.16355	3.11110	3 X
K06WI8Y	16.8	0.15	K123E	124.611	291.835	83.835	7.275	0.05141	2.67986	5 X
K06WK1H	17.0	0.15	K123E	125.358	264.993	99.032	12.323	0.21409	2.69412	3 X
K06WK5K	16.6	0.15	K123E	135.587	297.212	68.381	7.065	0.05370	2.68995	6 X
K06X15P	16.8	0.15	K123E	126.540	162.932	209.016	2.210	0.20986	2.61545	4 X
K06Y05E	17.1	0.15	K123E	221.349	181.119	150.872	1.657	0.12231	2.43144	6 X
K07B36T	17.2	0.15	K123E	5.643	198.578	312.862	7.478	0.19404	2.83766	4 X
K07B61E	16.3	0.15	K123E	191.502	344.484	309.311	8.470	0.01087	2.91802	3 X
K07B77K	16.6	0.15	K123E	76.854	104.281	344.363	3.742	0.03370	2.79788	3 X
K07C18B	16.7	0.15	K123E	59.759	1.861	99.859	3.269	0.01913	2.86207	7 X
K07C30G	16.9	0.15	K123E	280.169	114.560	138.382	5.111	0.01998	2.77696	5 X
K07C48B	16.6	0.15	K123E	308.860	68.047	156.616	8.439	0.14738	2.88031	3 X
K07C79Y	16.5	0.15	K123E	322.351	65.364	125.837	2.847	0.01147	3.01911	7 X
K07D30P	16.1	0.15	K123E	62.949	305.067	157.407	12.368	0.04972	2.90219	6 X
K07D36Q	16.6	0.15	K123E	321.404	62.431	125.535	2.485	0.11145	3.09279	4 X
K07D39K	15.9	0.15	K123E	86.570	262.780	160.645	10.699	0.01743	3.10024	4 X
K07D39L	15.5	0.15	K123E	256.476	123.461	135.477	5.500	0.02977	3.10176	5 X
K07D48K	16.9	0.15	K123E	307.457	259.122	335.195	13.316	0.22795	2.96193	4 X
K07D69E	17.5	0.15	K123E	33.418	298.193	152.231	1.759	0.23294	3.01907	4 X
K07D76T	16.0	0.15	K123E	61.125	117.887	345.882	14.222	0.10129	2.84180	5 X
K07DB4S	16.3	0.15	K123E	242.903	163.834	126.267	3.681	0.03221	3.06114	5 X
K07DB6L	15.2	0.15	K123E	133.468	223.306	174.665	10.680	0.01368	3.03868	7 X
K07E09D	16.9	0.15	K123E	301.859	75.057	145.035	1.556	0.11117	3.08776	5 X
K07E17B	16.8	0.15	K123E	300.704	75.721	157.414	7.752	0.17226	3.05580	4 X
K07E17Q	16.9	0.15	K123E	334.617	168.211	356.046	0.263	0.02836	3.12260	4 X
K07E18K	15.7	0.15	K123E	320.408	50.667	166.547	6.285	0.04198	2.92176	5 X
K07E21H	15.9	0.15	K123E	60.734	92.753	1.660	9.939	0.09001	2.98473	6 X
K07E22Q	16.5	0.15	K123E	313.403	56.354	139.854	1.732	0.10723	3.08105	5 X
K07E25M	16.5	0.15	K123E	315.520	223.062	9.784	10.824	0.22360	3.04146	2 W
K07E29P	15.7	0.15	K123E	331.208	36.571	152.784	11.361	0.06028	2.98224	4 X
K07E30H	16.3	0.15	K123E	18.338	339.407	157.137	8.003	0.09640	2.99621	4 X
K07E32N	17.0	0.15	K123E	261.229	14.539	245.707	1.009	0.05104	2.92526	8 X
K07E42H	16.5	0.15	K123E	339.644	29.388	173.306	0.845	0.14545	2.95393	5 X
K07E47X	17.0	0.15	K123E	285.955	233.879	30.341	1.626	0.19142	3.01604	4 X
K07E51L	16.0	0.15	K123E	15.997	354.595	152.457	2.205	0.15696	3.04289	7 X
K07E57U	15.8	0.15	K123E	356.308	9.963	152.360	11.183	0.05373	2.98771	4 X
K07E62Z	16.6	0.15	K123E	37.004	117.133	3.868	10.595	0.07599	2.96367	4 X
K07E72V	16.5	0.15	K123E	332.100	36.942	137.945	2.312	0.11892	3.11297	3 X
K07E88E	18.4	0.15	K123E	10.571	336.834	160.446	20.473	0.07807	1.88173	3 X
K07E91Z	16.9	0.15	K123E	330.064	10.977	205.715	3.192	0.04756	2.79819	7 X
K07E99C	15.7	0.15	K123E	313.492	92.799	137.197	3.375	0.15978	2.96195	6 X
K07EA6E	16.5	0.15	K123E	0.728	108.761	33.147	9.125	0.03184	3.16199	4 X
K07ED1V	16.3	0.15	K123E	256.042	130.456	140.719	0.515	0.14396	3.10192	6 X
K07EG0V	15.5	0.15	K123E	26.283	141.688	340.010	9.711	0.09443	3.07461	4 X
K07EG9O	16.5	0.15	K123E	315.737	75.965	162.819	3.051	0.11200	2.97737	8 X

K07EH2A	15.8	0.15	K123E	181.670	352.673	353.740	9.202	0.09540	3.05080	4 X
K07EJ6D	16.0	0.15	K123E	276.038	261.733	14.214	10.964	0.23580	3.09108	5 X
K07EJ8L	17.2	0.15	K123E	89.501	31.392	4.912	20.625	0.07465	1.93337	3 X
K07EK5P	16.0	0.15	K123E	347.154	32.937	145.369	16.145	0.05687	2.96677	4 X
K07EL8H	16.7	0.15	K123E	355.658	145.019	15.280	4.218	0.10674	3.05334	4 X
K07EL9T	15.6	0.15	K123E	28.299	81.718	32.862	10.584	0.10387	3.12777	3 X
K07EM1K	16.3	0.15	K123E	141.984	12.539	1.716	11.603	0.08571	3.02033	4 X
K07EM2C	15.7	0.15	K123E	17.547	300.254	203.586	15.311	0.13428	3.09977	6 X
K07F06O	16.8	0.15	K123E	130.967	191.071	198.160	0.488	0.09058	2.98003	8 X
K07F23P	16.1	0.15	K123E	59.278	304.446	179.083	10.027	0.01784	2.94705	5 X
K07F29O	16.5	0.15	K123E	40.797	90.661	14.645	8.881	0.06507	3.08811	3 X
K07F40S	15.8	0.15	K123E	35.871	290.919	185.349	9.083	0.07061	3.07054	4 X
K07F47G	17.8	0.15	K123E	279.248	89.822	160.999	20.727	0.11937	1.88674	3 X
K07G33S	16.0	0.15	K123E	289.961	53.574	200.130	4.455	0.09723	3.12882	7 X
K07H42N	16.6	0.15	K123E	300.939	109.658	125.334	3.159	0.07365	3.13108	5 X
K07H46Y	15.9	0.15	K123E	277.372	84.258	159.518	9.560	0.04761	3.16895	5 X
K07H90Y	16.8	0.15	K123E	341.032	121.936	64.492	1.017	0.24888	3.08541	5 X
K07Q17Q	18.2	0.15	K123E	97.365	238.672	146.413	5.185	0.19229	2.24583	3 X
K07R95L	17.9	0.15	K123E	52.160	281.192	174.676	2.408	0.30039	2.34292	4 X
K07RB8F	17.7	0.15	K123E	113.958	99.339	270.296	1.457	0.17401	2.24801	3 X
K07RI9O	18.7	0.15	K123E	66.461	279.574	158.770	3.926	0.13713	2.22284	2 X
K07RM2X	17.3	0.15	K123E	150.766	33.415	287.910	5.258	0.20330	2.22143	5 X
K07RM3Q	17.9	0.15	K123E	68.771	76.201	326.697	0.461	0.17764	2.36470	3 X
K07T30L	17.1	0.15	K123E	31.098	270.798	203.029	5.587	0.25855	2.33388	5 X
K07T72C	17.6	0.15	K123E	56.846	117.511	312.720	0.753	0.15333	2.35141	3 X
K07T92Q	17.3	0.15	K123E	137.305	307.141	47.007	5.282	0.20144	2.22305	5 X
K07TB6H	17.1	0.15	K123E	168.559	264.073	68.043	6.393	0.19489	2.21259	5 X
K07TC5B	17.6	0.15	K123E	55.767	7.950	76.579	3.184	0.23090	2.31359	4 X
K07TG5Z	16.4	0.15	K123E	24.471	335.397	48.982	13.820	0.29502	2.64169	2 X
K07TI3B	17.7	0.15	K123E	109.501	231.802	147.731	5.645	0.13494	2.28852	7 X
K07TL1D	17.5	0.15	K123E	88.776	103.205	295.401	4.436	0.13804	2.30187	4 X
K07TL6L	17.5	0.15	K123E	67.194	194.488	240.459	2.062	0.13880	2.30181	6 X
K07TQ1Q	17.9	0.15	K123E	259.827	223.462	29.589	6.332	0.03777	2.22900	4 X
K07TQ8H	18.1	0.15	K123E	76.053	24.687	31.910	7.248	0.16174	2.29521	3 X
K07Tb6W	17.3	0.15	K123E	126.196	302.176	60.395	7.654	0.21498	2.22966	4 X
K07Tc4L	18.4	0.15	K123E	13.592	3.719	140.147	6.202	0.09398	2.28776	3 X
K07Ti2G	17.6	0.15	K123E	53.996	94.150	354.058	0.631	0.08756	2.25819	4 X
K07Tj3E	18.1	0.15	K123E	56.264	19.834	63.960	2.112	0.14802	2.35310	4 X
K07U23Y	17.7	0.15	K123E	21.704	334.189	132.160	2.675	0.16440	2.37807	4 X
K07U34W	17.3	0.15	K123E	92.325	26.054	15.964	7.258	0.10845	2.30941	2 X
K07U49A	17.7	0.15	K123E	64.536	244.954	171.889	3.794	0.18968	2.36622	3 X
K07U76Z	18.6	0.15	K123E	55.190	141.434	299.610	1.434	0.23912	2.34767	3 X
K07V44O	17.6	0.15	K123E	33.771	151.574	323.949	4.354	0.16551	2.31496	4 X
K07V59A	18.2	0.15	K123E	15.366	210.593	285.607	2.797	0.17308	2.34573	4 X
K07V64G	17.5	0.15	K123E	356.851	227.916	282.047	2.948	0.11465	2.37358	5 X
K07V87X	17.6	0.15	K123E	75.781	91.037	298.389	4.232	0.22944	2.39320	3 X
K07V89P	17.6	0.15	K123E	42.428	16.921	74.895	5.618	0.15504	2.34099	4 X
K07VB4X	17.5	0.15	K123E	74.445	278.409	174.561	2.318	0.11874	2.26315	6 X
K07VF6F	19.0	0.15	K123E	35.995	166.504	302.156	2.340	0.18143	2.34067	3 X
K07VJ2A	17.6	0.15	K123E	39.969	182.729	281.755	1.707	0.15607	2.44706	4 X
K07VL0P	18.3	0.15	K123E	111.178	84.964	310.082	3.518	0.14564	2.26020	4 X
K07VL7S	17.7	0.15	K123E	319.621	149.348	67.541	3.112	0.11965	2.23569	5 X
K07VM1Z	16.2	0.15	K123E	328.502	221.202	248.609	12.004	0.20643	2.68960	6 X
K07VS0R	18.4	0.15	K123E	78.642	13.661	59.347	0.583	0.15187	2.28447	6 X
K07VV2J	17.1	0.15	K123E	5.773	84.064	42.559	4.059	0.19448	2.52821	3 X
K07W16E	18.3	0.15	K123E	15.707	1.560	137.672	1.900	0.13536	2.33717	4 X
K07W20G	17.2	0.15	K123E	42.900	60.062	22.019	4.305	0.06291	2.53386	3 X
K07W62U	17.4	0.15	K123E	347.509	88.771	75.681	7.466	0.06865	2.33098	4 X
K07X06Q	17.3	0.15	K123E	71.353	179.230	266.238	2.879	0.18519	2.31535	6 X
K07X17U	17.2	0.15	K123E	29.413	202.481	270.470	8.668	0.18914	2.40121	2 X
K07X23P	18.0	0.15	K123E	55.475	36.359	56.460	3.021	0.16625	2.35146	4 X

K07Y45O	17.6	0.15	K123E	50.984	318.991	144.675	1.590	0.14055	2.42564	5 X
K07Y56B	17.2	0.15	K123E	37.947	154.704	298.859	4.417	0.13122	2.47386	3 X
K07Y61X	17.7	0.15	K123E	63.665	236.809	198.953	1.164	0.17926	2.53065	6 X
K07Y72V	16.9	0.15	K123E	61.958	81.886	12.661	6.569	0.09122	2.39778	4 X
K08A17C	17.3	0.15	K123E	6.577	241.267	278.891	3.047	0.14078	2.43808	5 X
K08A36U	17.2	0.15	K123E	50.801	311.366	142.551	10.540	0.20064	2.44048	3 X
K08A41X	17.5	0.15	K123E	66.931	93.745	315.383	16.574	0.23067	2.53285	2 X
K08A42M	17.1	0.15	K123E	43.351	332.703	139.863	11.247	0.11870	2.42319	4 X
K08A54L	17.1	0.15	K123E	73.086	81.856	304.281	6.323	0.27678	2.53497	4 X
K08A57V	17.4	0.15	K123E	313.066	57.007	147.744	2.545	0.14517	2.48620	2 X
K08A68S	18.5	0.15	K123E	29.012	317.186	130.731	4.615	0.27055	2.57048	3 X
K08A89F	18.4	0.15	K123E	48.983	318.935	130.349	2.828	0.18553	2.45211	2 X
K08A92F	17.1	0.15	K123E	320.066	109.857	97.808	10.420	0.19052	2.45321	2 X
K08AA5P	17.7	0.15	K123E	79.058	65.363	13.415	2.147	0.21791	2.35119	4 X
K08AB2X	16.7	0.15	K123E	11.447	62.657	76.946	13.235	0.22647	2.61304	2 X
K08AD6W	17.8	0.15	K123E	9.672	347.622	159.570	6.026	0.12817	2.46320	5 X
K08AD7B	17.5	0.15	K123E	3.024	142.043	13.553	1.974	0.16616	2.44242	5 X
K08B10D	17.2	0.15	K123E	358.744	179.177	351.723	6.744	0.09873	2.45534	4 X
K08B21Y	17.3	0.15	K123E	298.062	77.703	147.529	12.398	0.07496	2.58384	4 X
K08B34M	17.9	0.15	K123E	22.119	158.795	329.269	14.330	0.20863	2.53273	3 X
K08B34N	16.9	0.15	K123E	58.694	115.766	334.140	12.627	0.09690	2.55211	3 X
K08C01H	21.7	0.15	K123E	303.294	138.217	131.186	14.243	0.32491	1.20141	3 X
K08C26F	17.3	0.15	K123E	78.218	110.802	303.093	6.034	0.07779	2.45110	3 X
K08C35M	18.0	0.15	K123E	354.455	33.275	131.580	4.756	0.12235	2.51988	4 X
K08C47B	16.7	0.15	K123E	20.972	343.528	142.177	12.879	0.19906	2.47186	3 X
K08C65H	17.3	0.15	K123E	60.580	115.268	289.694	3.859	0.31364	2.55912	3 X
K08C70V	17.2	0.15	K123E	13.113	62.407	67.891	6.185	0.13574	2.53536	3 X
K08C75A	16.0	0.15	K123E	261.497	132.954	140.562	11.403	0.08346	2.62714	5 X
K08C91P	17.2	0.15	K123E	353.626	6.913	152.537	6.296	0.04149	2.54925	5 X
K08CC6O	17.3	0.15	K123E	279.760	102.516	155.372	6.447	0.07178	2.45319	7 X
K08CF3G	17.2	0.15	K123E	26.132	320.174	144.357	14.201	0.20260	2.60354	3 X
K08CH6B	16.6	0.15	K123E	52.647	5.974	53.957	5.092	0.30919	2.56223	2 X
K08CH6M	16.2	0.15	K123E	241.269	163.699	111.555	16.027	0.10267	2.54427	5 X
K08CJ1B	18.3	0.15	K123E	30.718	141.888	326.324	2.611	0.16925	2.54295	3 X
K08CJ1Y	17.7	0.15	K123E	312.399	254.868	322.998	5.143	0.09743	2.52534	4 X
K08CK0B	16.9	0.15	K123E	262.008	252.295	2.991	10.884	0.08623	2.66267	4 X
K08CK3T	18.1	0.15	K123E	333.275	70.965	122.968	3.868	0.15477	2.54510	3 X
K08CK5B	17.8	0.15	K123E	52.694	111.472	3.410	2.502	0.14357	2.39022	6 X
K08D05G	19.7	0.15	K123E	184.520	59.598	244.081	5.707	0.24267	1.25573	3 X
K08D05J	20.0	0.15	K123E	194.850	326.500	358.899	8.105	0.41554	1.24860	3 X
K08D10V	16.6	0.15	K123E	75.207	282.975	133.428	9.816	0.08406	2.54881	5 X
K08D25J	17.9	0.15	K123E	348.904	96.802	68.702	5.625	0.15421	2.56010	6 X
K08D39P	17.1	0.15	K123E	2.262	152.616	353.046	11.694	0.13591	2.64011	3 X
K08D67G	17.3	0.15	K123E	8.917	151.689	345.296	13.511	0.18710	2.62834	3 X
K08D68E	16.2	0.15	K123E	168.892	17.072	309.332	5.222	0.09165	2.85537	6 X
K08D69H	17.2	0.15	K123E	309.582	240.418	333.090	16.341	0.07023	2.56628	2 X
K08D77X	17.5	0.15	K123E	240.667	258.658	6.352	7.146	0.02566	2.62974	3 X
K08D77Z	17.2	0.15	K123E	322.916	156.656	11.380	5.303	0.04975	2.69475	3 X
K08E47N	17.0	0.15	K123E	80.906	337.525	98.927	4.197	0.06144	2.67520	5 X
K08E73V	17.8	0.15	K123E	333.290	40.929	135.620	4.890	0.11374	2.66835	2 X
K08E95E	16.9	0.15	K123E	325.111	129.535	59.229	5.931	0.09592	2.71596	5 X
K08EB3J	17.2	0.15	K123E	26.999	162.821	315.368	9.940	0.21332	2.55592	4 X
K08EB3U	18.6	0.15	K123E	16.833	176.228	315.092	1.799	0.17529	2.57355	2 X
K08EC5S	17.0	0.15	K123E	53.979	114.678	322.814	12.054	0.21923	2.56714	4 X
K08ED8Z	17.1	0.15	K123E	279.638	281.942	354.430	10.975	0.28731	2.64164	4 X
K08EE8J	17.1	0.15	K123E	60.404	76.088	6.289	13.973	0.06067	2.61999	3 X
K08EF2K	17.6	0.15	K123E	315.043	278.171	289.526	1.413	0.06801	2.65469	4 X
K08F04P	17.5	0.15	K123E	339.639	172.560	11.133	2.241	0.13419	2.63282	4 X
K08F07B	16.2	0.15	K123E	325.835	58.111	179.032	13.071	0.23449	2.62173	3 X
K08F09R	18.0	0.15	K123E	37.797	126.078	349.998	12.136	0.13543	2.51828	4 X
K08F24O	17.6	0.15	K123E	292.242	128.842	119.426	5.878	0.15345	2.65415	3 X

K08F34G	17.8	0.15	K123E	311.261	59.284	168.880	5.168	0.18036	2.56631	5 X
K08F37X	17.6	0.15	K123E	344.750	97.225	88.062	3.079	0.13285	2.61686	5 X
K08F43Y	15.6	0.15	K123E	167.912	163.561	200.806	5.045	0.22491	2.54922	5 X
K08F50E	17.0	0.15	K123E	172.658	330.924	20.469	5.790	0.04713	2.65751	4 X
K08F51E	17.2	0.15	K123E	155.255	199.133	139.097	2.728	0.08388	2.84583	5 X
K08F58M	16.5	0.15	K123E	28.336	79.275	41.424	17.334	0.12380	2.74901	5 X
K08F76F	16.8	0.15	K123E	316.618	85.697	129.356	12.407	0.14041	2.64745	3 X
K08F94B	16.5	0.15	K123E	310.407	136.914	88.554	5.743	0.10195	2.66869	4 X
K08FA2T	16.3	0.15	K123E	172.071	251.062	77.469	10.439	0.14594	3.02648	3 X
K08FD7B	17.0	0.15	K123E	35.643	327.945	158.246	6.105	0.10285	2.72568	6 X
K08G01E	19.6	0.15	K123E	44.778	312.820	129.742	6.718	0.24782	1.65143	3 X
K08G17Q	17.0	0.15	K123E	154.910	217.965	137.380	6.799	0.04439	2.76156	5 X
K08G32N	17.3	0.15	K123E	329.221	48.557	132.781	6.019	0.12368	2.75170	2 X
K08G34V	17.6	0.15	K123E	324.978	198.604	15.904	1.109	0.12791	2.59114	5 X
K08G36Y	16.2	0.15	K123E	315.628	164.412	53.206	14.678	0.18808	2.70069	3 X
K08G43B	17.4	0.15	K123E	299.328	192.946	34.492	4.072	0.03652	2.67562	4 X
K08G48W	17.7	0.15	K123E	354.571	136.019	35.441	3.459	0.14006	2.53291	6 X
K08G55N	17.1	0.15	K123E	95.689	266.723	157.266	3.173	0.07131	2.66245	3 X
K08G83G	16.4	0.15	K123E	201.681	166.623	145.815	5.320	0.05313	2.79753	7 X
K08GB3K	17.2	0.15	K123E	328.304	122.080	79.276	3.979	0.08649	2.63410	6 X
K08GB4R	16.9	0.15	K123E	216.906	153.088	163.833	9.090	0.10111	2.72277	5 X
K08GB7G	16.4	0.15	K123E	284.809	83.869	161.041	6.579	0.01110	2.71984	4 X
K08GC0Z	16.7	0.15	K123E	15.052	328.818	168.945	16.625	0.09689	2.66504	5 X
K08GC1Y	16.7	0.15	K123E	334.139	32.037	151.876	4.095	0.02436	2.73412	7 X
K08H24N	16.8	0.15	K123E	297.665	89.227	130.739	8.911	0.15000	2.79692	4 X
K08J09C	16.6	0.15	K123E	324.406	109.072	93.352	5.457	0.01121	2.81102	5 X
K08J30Z	18.5	0.15	K123E	340.986	91.678	161.115	25.457	0.52891	2.58431	2 W
K08J39Z	17.1	0.15	K123E	52.525	32.128	74.060	4.733	0.05166	2.81363	5 X
K08K06N	16.9	0.15	K123E	296.529	80.515	159.653	8.089	0.17053	2.76316	8 X
K08K33X	16.4	0.15	K123E	308.097	145.027	103.359	15.562	0.22818	2.67857	5 X
K08K39A	16.2	0.15	K123E	233.348	144.990	138.456	12.185	0.06677	2.97391	3 X
K08M01E	15.8	0.15	K123E	320.058	290.620	330.110	27.530	0.48885	2.69277	4 X
K08P07L	16.1	0.15	K123E	270.781	107.123	189.436	5.958	0.20698	2.91820	7 X
K08P16Z	15.8	0.15	K123E	274.349	299.325	322.670	15.812	0.21837	3.09234	5 X
K08UU0K	13.9	0.15	K123E	15.182	153.825	314.572	9.697	0.06786	5.17588	2 X
K08Y07J	17.1	0.15	K123E	173.129	56.066	274.794	17.157	0.07299	1.98432	4 X
K09C29P	18.0	0.15	K123E	271.403	123.162	108.646	3.450	0.09478	2.18795	3 X
K09D82S	18.0	0.15	K123E	328.462	70.481	124.596	2.899	0.06477	2.15597	4 X
K09DA2U	17.4	0.15	K123E	74.540	283.951	126.769	6.879	0.06962	2.26652	3 X
K09E27F	18.2	0.15	K123E	280.380	252.958	357.666	5.158	0.12426	2.19776	4 X
K09F27A	18.1	0.15	K123E	277.490	273.041	310.016	3.451	0.06819	2.22925	4 X
K09F39Z	17.5	0.15	K123E	260.482	141.400	132.298	6.176	0.19003	2.21270	9 X
K09F67T	17.3	0.15	K123E	151.901	291.607	58.715	7.188	0.13083	2.31711	5 X
K09G00W	17.7	0.15	K123E	277.729	200.545	50.426	5.616	0.19590	2.33277	4 X
K09H29N	18.2	0.15	K123E	256.720	173.369	88.042	6.965	0.12080	2.25756	4 X
K09H77K	18.5	0.15	K123E	305.839	248.943	328.370	0.353	0.18115	2.24062	3 X
K09H77S	17.5	0.15	K123E	265.012	184.018	73.896	6.454	0.14376	2.31137	5 X
K09HA6F	17.4	0.15	K123E	262.567	115.035	142.766	1.083	0.19161	2.34976	5 X
K09J03P	17.1	0.15	K123E	256.587	118.897	134.258	7.618	0.07358	2.38834	2 X
K09O07B	16.4	0.15	K123E	177.325	26.583	310.078	7.042	0.16048	2.91505	4 X
K09P02N	16.6	0.15	K123E	280.648	335.480	308.173	4.388	0.22069	2.40213	7 X
K09Q00J	15.8	0.15	K123E	166.997	21.232	307.874	9.048	0.03781	3.15771	4 X
K09Q00P	16.5	0.15	K123E	264.615	278.731	356.753	11.471	0.16139	2.70665	5 X
K09Q12C	15.7	0.15	K123E	94.820	77.387	347.094	10.104	0.08237	3.12294	7 X
K09Q16N	15.8	0.15	K123E	298.523	252.656	358.434	11.338	0.17071	2.61459	4 X
K09Q37R	15.5	0.15	K123E	90.743	265.719	162.365	11.378	0.07492	3.16336	9 X
K09Q52H	16.0	0.15	K123E	163.087	21.055	331.337	9.211	0.08625	3.09485	4 X
K09Q52S	15.9	0.15	K123E	181.407	179.712	167.472	5.495	0.07737	2.94989	6 X
K09R02B	15.7	0.15	K123E	188.970	338.565	356.805	11.180	0.07963	3.13335	5 X
K09R04V	16.3	0.15	K123E	148.301	34.153	330.932	10.672	0.06877	3.09538	3 X
K09R45P	16.0	0.15	K123E	279.391	246.337	7.713	7.558	0.08358	3.09544	5 X

K09R64E	15.2	0.15	K123E	222.017	338.291	304.871	11.502	0.11747	3.09011	2 X
K09R65J	16.0	0.15	K123E	245.051	113.798	174.547	4.057	0.16041	3.04054	9 X
K09R66M	15.7	0.15	K123E	226.044	335.054	321.226	8.950	0.05243	3.03080	4 X
K09S92M	16.2	0.15	K123E	171.000	18.011	328.222	7.415	0.05673	3.20681	4 X
K09SH0E	15.9	0.15	K123E	284.309	334.605	272.670	8.198	0.12781	2.80372	7 X
K09SH5T	15.8	0.15	K123E	358.809	158.150	5.595	8.461	0.02093	3.11632	5 X
K09SZ6T	15.8	0.15	K123E	114.283	236.696	186.741	10.363	0.06540	3.25696	7 X
K09U13V	15.4	0.15	K123E	188.594	290.880	26.643	11.060	0.21415	3.12809	4 X
K09UC6Z	12.7	0.15	K123E	71.830	174.057	226.408	24.825	0.10345	5.20434	8 X
K09W35Q	15.4	0.15	K123E	51.126	215.280	248.634	2.511	0.01972	3.64948	6 X
K09W99R	13.9	0.15	K123E	74.614	156.565	247.884	3.343	0.10651	5.31540	5 X
K10BB7M	13.0	0.15	K123E	40.440	311.366	133.540	23.814	0.08633	5.19256	6 X
K10F00Q	20.0	0.15	K123E	33.730	359.440	140.481	10.553	0.35617	1.52714	2 X
K10L63Y	17.9	0.15	K123E	209.425	350.355	345.031	11.118	0.41304	1.90313	5 X
K10MA6W	15.9	0.15	K123E	94.122	243.602	123.653	6.689	0.20212	3.18713	5 X
K10N27K	16.8	0.15	K123E	73.054	26.805	19.868	10.404	0.22080	3.13392	4 X
K10O17X	16.0	0.15	K123E	92.049	75.124	316.657	13.592	0.13355	3.02081	3 X
K10O23N	15.8	0.15	K123E	24.049	106.976	11.043	26.254	0.20670	3.05692	3 X
K10O24Y	16.9	0.15	K123E	112.832	346.055	35.944	6.170	0.08935	2.77669	5 X
K10O26Q	15.5	0.15	K123E	40.217	166.799	285.755	14.899	0.16918	3.14612	2 X
K10O35K	16.5	0.15	K123E	45.476	138.845	311.988	4.894	0.02912	2.81812	5 X
K10O84Q	15.9	0.15	K123E	65.341	342.641	83.544	10.492	0.13419	3.11488	3 X
K10OA1N	20.4	0.15	K123E	297.505	7.979	251.639	9.311	0.40935	1.62897	2 X
K10P10C	15.7	0.15	K123E	116.494	45.287	322.915	14.728	0.33312	2.64254	4 X
K10P42Q	16.2	0.15	K123E	70.405	30.558	35.194	9.246	0.08908	3.07665	5 X
K10P58K	15.2	0.15	K123E	125.197	353.216	5.568	12.128	0.23558	3.00953	3 X
K10P76G	17.5	0.15	K123E	154.566	193.536	142.031	3.137	0.18935	2.36234	4 X
K10R37Z	16.4	0.15	K123E	95.547	66.082	353.457	11.604	0.26376	2.62717	3 X
K10R39F	17.0	0.15	K123E	93.740	83.295	314.070	14.059	0.08674	2.43869	3 X
K10R46T	17.1	0.15	K123E	223.249	337.750	330.108	20.904	0.07627	1.89676	4 X
K10R49Z	17.6	0.15	K123E	49.730	295.312	184.698	5.819	0.08071	2.31664	5 X
K10R66A	17.7	0.15	K123E	107.973	220.928	183.962	2.057	0.06504	2.40634	6 X
K10R71X	16.9	0.15	K123E	92.987	221.431	183.140	5.001	0.16236	2.67831	7 X
K10R78K	17.3	0.15	K123E	108.434	51.334	349.094	1.199	0.19143	2.45078	5 X
K10RA0F	17.6	0.15	K123E	29.901	110.579	351.518	9.251	0.17158	3.01518	3 X
K10RB1Y	17.1	0.15	K123E	7.229	335.091	174.727	7.013	0.04893	2.35486	4 X
K10RE0V	16.8	0.15	K123E	42.999	293.818	171.087	13.768	0.13877	2.43231	4 X
K10S12R	16.1	0.15	K123E	11.973	310.998	185.624	13.460	0.11343	2.43639	9 X
K10S13Y	16.5	0.15	K123E	75.158	49.240	22.431	22.454	0.03524	2.60786	5 X
K10S22N	17.1	0.15	K123E	103.507	220.966	174.934	4.583	0.16618	2.59032	5 X
K10S32R	18.2	0.15	K123E	50.235	310.158	153.487	7.388	0.08313	2.43796	3 X
K10S34M	17.8	0.15	K123E	278.119	94.814	145.192	5.994	0.12326	2.21450	4 X
K10T06V	16.9	0.15	K123E	138.978	348.519	9.372	10.389	0.12548	2.61477	6 X
K10T06W	17.5	0.15	K123E	191.032	31.596	277.838	1.508	0.23377	2.33658	5 X
K10T28J	17.5	0.15	K123E	31.092	232.343	246.655	3.334	0.10530	2.52556	4 X
K10T30N	17.5	0.15	K123E	39.011	142.994	325.265	1.608	0.15291	2.71540	4 X
K10T38Y	17.4	0.15	K123E	326.969	213.886	28.098	21.227	0.03588	1.96259	3 X
K10T53O	18.0	0.15	K123E	332.390	27.949	163.569	3.453	0.07191	2.39598	7 X
K10T79O	18.0	0.15	K123E	327.948	43.627	154.672	3.010	0.08364	2.31745	5 X
K10T80R	16.6	0.15	K123E	72.261	85.741	8.024	5.169	0.15965	2.62296	4 X
K10T81A	15.8	0.15	K123E	100.380	323.740	59.007	10.310	0.22643	3.14856	4 X
K10T88A	18.0	0.15	K123E	243.877	250.315	21.991	8.025	0.10388	2.23700	5 X
K10T92O	16.3	0.15	K123E	38.972	141.549	325.069	8.153	0.16197	2.74372	3 X
K10TB1M	16.8	0.15	K123E	78.862	194.247	218.307	1.311	0.05417	2.83703	6 X
K10TC4Q	17.5	0.15	K123E	166.308	231.407	125.190	4.481	0.03760	2.29782	5 X
K10TE8E	16.9	0.15	K123E	127.088	0.297	3.230	13.736	0.20876	2.72997	4 X
K10TG6O	16.5	0.15	K123E	95.943	75.074	325.488	8.197	0.16325	2.75044	5 X
K10TH4R	15.7	0.15	K123E	64.419	8.008	63.188	18.165	0.23501	3.09307	4 X
K10TH6L	15.7	0.15	K123E	107.720	70.559	294.009	13.853	0.11771	3.06486	3 X
K10TH8J	17.1	0.15	K123E	74.854	229.984	170.286	1.810	0.09791	3.02583	5 X
K10U28Z	16.4	0.15	K123E	114.502	42.882	6.421	3.584	0.22648	2.59382	6 X

K10U33Q	15.9	0.15	K123E	11.140	117.733	15.116	10.176	0.05746	2.93521	4 X
K10U53S	16.8	0.15	K123E	131.701	81.812	276.842	3.892	0.10103	2.95084	4 X
K10U57R	16.2	0.15	K123E	205.290	257.368	45.706	9.287	0.07697	2.98059	3 X
K10U73S	16.2	0.15	K123E	143.688	231.764	142.568	5.496	0.21384	2.59249	5 X
K10UA0Y	15.7	0.15	K123E	76.724	110.540	305.350	7.927	0.04903	3.11190	4 X
K10UA1N	17.0	0.15	K123E	59.602	51.509	41.865	3.124	0.09877	2.69770	5 X
K10UA7B	17.0	0.15	K123E	71.321	78.781	355.616	8.692	0.14743	2.78756	3 X
K10V15H	16.7	0.15	K123E	100.578	41.525	13.290	8.081	0.08097	2.73627	6 X
K10V46G	17.2	0.15	K123E	14.363	152.592	344.531	2.084	0.11692	2.79665	6 X
K10V80H	17.0	0.15	K123E	296.902	165.826	58.612	8.310	0.12078	2.64128	3 X
K10V87M	16.6	0.15	K123E	291.972	181.171	37.241	6.002	0.06922	3.04425	4 X
K10V87X	17.3	0.15	K123E	181.659	47.456	289.653	2.398	0.13820	2.56433	5 X
K10V90S	17.1	0.15	K123E	155.086	340.997	26.408	2.760	0.12928	2.67278	5 X
K10V91Z	17.5	0.15	K123E	301.816	267.581	323.488	0.997	0.15477	2.41053	4 X
K10VA4C	16.8	0.15	K123E	165.179	282.585	73.139	5.301	0.16973	2.57958	5 X
K10VA4Z	17.0	0.15	K123E	142.810	174.295	193.384	4.140	0.08542	2.79360	2 X
K10VA8L	16.7	0.15	K123E	14.310	340.963	161.106	4.840	0.02287	2.76027	3 X
K10VB1V	15.6	0.15	K123E	111.102	289.835	82.049	10.958	0.24697	3.15000	4 X
K10VB6P	16.7	0.15	K123E	196.734	23.316	299.057	4.062	0.02294	2.70885	7 X
K10VB8C	15.9	0.15	K123E	147.174	323.890	30.594	9.046	0.06847	3.06617	3 X
K10VC1C	17.0	0.15	K123E	301.288	122.403	103.229	4.744	0.03703	2.76950	5 X
K10VC9N	15.5	0.15	K123E	12.999	82.381	57.513	19.767	0.17813	3.08030	3 X
K10VD2C	17.5	0.15	K123E	232.501	239.087	51.064	7.090	0.18418	2.30038	5 X
K10VG2P	17.1	0.15	K123E	236.949	330.614	316.418	1.956	0.09501	2.56890	5 X
K10VG2Y	17.3	0.15	K123E	111.127	136.792	283.921	3.092	0.06454	2.60542	5 X
K10VJ2V	13.6	0.15	K123E	35.515	143.903	293.445	8.228	0.08847	5.20133	3 X
K10VJ9R	16.2	0.15	K123E	60.588	283.226	183.743	8.185	0.11244	2.74979	7 X
K10W04E	17.3	0.15	K123E	141.120	318.149	41.210	6.654	0.05319	2.71799	3 X
K10W11Z	17.0	0.15	K123E	68.686	110.471	329.877	10.023	0.08250	3.03005	2 X
K10W47G	15.3	0.15	K123E	236.567	203.261	71.827	10.124	0.06959	3.17020	4 X
K10W50M	16.3	0.15	K123E	176.766	68.504	273.782	0.934	0.07490	2.85688	9 X
K10W63E	16.0	0.15	K123E	66.305	19.841	76.484	4.004	0.02872	3.05548	6 X
K10X59X	16.5	0.15	K123E	294.754	187.840	56.026	2.686	0.08444	2.87584	7 X
K10X76B	15.3	0.15	K123E	224.135	192.334	96.627	10.301	0.11320	3.01976	9 X
K10X76W	13.5	0.15	K123E	81.711	281.805	101.809	8.615	0.11127	5.17137	4 X
K10X80E	16.1	0.15	K123E	234.521	113.258	173.491	5.021	0.06748	2.96443	7 X
K10X85M	15.8	0.15	K123E	109.129	284.998	125.198	6.834	0.03251	3.09945	5 X
K11A40E	16.4	0.15	K123E	116.319	315.359	144.941	10.441	0.06487	2.65079	7 X
K11A72E	16.2	0.15	K123E	322.275	79.571	130.992	2.200	0.05149	3.02012	7 X
K11E12B	21.2	0.15	K123E	196.850	355.290	346.347	30.460	0.22811	0.98179	2 W
K11P00S	20.4	0.15	K123E	58.156	26.675	19.184	3.740	0.51496	1.80636	2 X
K11SA2L	18.2	0.15	K123E	17.868	51.389	59.730	10.038	0.48984	2.20241	3 X
K11WE8X	16.8	0.15	K123E	242.199	344.406	284.662	17.207	0.06239	1.97047	6 X
K11Y01O	17.4	0.15	K123E	349.782	215.823	295.607	3.051	0.11651	2.21342	4 X
K11Y06A	17.8	0.15	K123E	56.179	107.859	301.647	7.091	0.26290	2.44084	3 X
K11Y15V	17.1	0.15	K123E	3.051	162.450	1.913	5.967	0.54521	2.84367	3 X
K11Y17S	17.8	0.15	K123E	36.945	306.651	137.301	4.039	0.17204	2.42605	4 X
K11Y19T	17.9	0.15	K123E	31.735	176.799	275.617	1.692	0.16776	2.44098	4 X
K11Y20P	18.1	0.15	K123E	341.393	279.761	239.785	1.177	0.10343	2.27397	6 X
K11Y20Q	17.6	0.15	K123E	15.344	315.845	157.726	2.100	0.12846	2.61866	5 X
K11Y21C	17.2	0.15	K123E	311.001	63.248	126.864	7.156	0.11117	2.58615	5 X
K11Y21D	17.1	0.15	K123E	277.936	89.485	134.483	4.382	0.10094	2.43244	7 X
K11Y25S	15.3	0.15	K123E	267.859	111.245	115.953	10.441	0.03576	3.13435	7 X
K11Y31D	16.5	0.15	K123E	310.170	35.914	155.392	2.801	0.01591	2.69568	8 X
K11Y31F	17.6	0.15	K123E	58.330	278.920	147.428	2.257	0.16434	2.54974	3 X
K11Y33O	18.5	0.15	K123E	28.101	141.232	315.796	5.305	0.18719	2.29952	3 X
K11Y37Z	15.6	0.15	K123E	92.410	256.721	133.338	10.776	0.11899	3.12468	3 X
K11Y45F	16.6	0.15	K123E	104.090	253.108	126.054	15.863	0.04595	2.68339	4 X
K11Y50Q	13.4	0.15	K123E	50.910	297.737	124.935	6.340	0.04192	5.33788	9 X
K11Y54C	15.8	0.15	K123E	87.052	265.375	118.067	17.660	0.13280	3.06441	5 X
K11Y57J	18.1	0.15	K123E	334.325	69.011	95.208	5.443	0.07282	2.28767	3 X

K11Y57M	18.1	0.15	K123E	328.527	97.997	72.993	2.704	0.08314	2.38911	2 X
K12A00U	16.9	0.15	K123E	7.568	81.619	56.169	29.947	0.35687	2.54320	3 X
K12A01U	18.0	0.15	K123E	313.600	263.222	292.641	4.616	0.16507	2.38006	2 X
K12B01H	18.0	0.15	K123E	43.691	317.502	130.985	33.652	0.15890	1.78608	2 X
K12B10L	17.0	0.15	K123E	337.873	237.153	314.246	13.090	0.16800	2.65909	5 X
K12B20P	18.0	0.15	K123E	12.954	325.555	160.922	1.581	0.14242	2.48111	3 X
K12B21D	16.2	0.15	K123E	31.799	139.197	325.683	15.934	0.24602	2.77532	4 X
K12B24P	17.4	0.15	K123E	356.095	244.274	277.008	2.175	0.12048	2.38750	4 X
K12B26G	17.7	0.15	K123E	6.286	352.588	144.464	1.787	0.12404	2.37952	3 X
K12B30C	17.8	0.15	K123E	44.254	301.516	132.062	5.647	0.19541	2.37686	5 X
K12B82P	18.0	0.15	K123E	12.729	170.559	317.262	4.158	0.12612	2.41823	2 X
K12B88E	15.7	0.15	K123E	354.228	160.272	9.930	8.686	0.09389	3.08758	4 X
K12BB6Y	17.7	0.15	K123E	54.376	132.259	299.122	4.054	0.16875	2.54812	5 X
K12BB8E	18.3	0.15	K123E	319.171	50.666	143.973	1.821	0.12006	2.40296	2 X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc C
K11W48L	17.7	0.15	K123E	4.919	209.620	303.186	4.842	0.25138	2.61429	89 X
K11X01E	18.2	0.15	K123E	1.695	243.138	272.572	18.321	0.46630	2.32657	78 X
K11X03O	16.7	0.15	K123E	353.085	209.832	321.358	23.878	0.66004	3.24401	80 X
K11Y10Q	18.8	0.15	K123E	60.194	238.473	125.014	2.403	0.52178	2.24324	57 X
K11Y74U	22.9	0.15	K123E	351.082	275.637	275.550	1.955	0.25980	1.28058	54 X
K12A11A	20.1	0.15	K123E	0.228	145.672	21.316	6.406	0.48404	1.97688	36 X
K12B11K	23.0	0.15	K123E	3.332	254.806	273.887	2.519	0.38911	1.87976	31 X
K12B11N	20.8	0.15	K123E	342.440	69.609	153.849	4.359	0.39509	1.45731	31 X
K12B23S	21.4	0.15	K123E	347.384	258.796	317.918	5.387	0.57951	1.93575	30 X
K12B23T	19.0	0.15	K123E	346.376	43.228	182.392	9.110	0.60094	1.97501	30 X
K12B27D	19.8	0.15	K123E	355.731	59.982	120.026	40.846	0.48313	2.45823	29 X
K12B35A	23.8	0.15	K123E	136.568	234.493	145.467	5.722	0.11790	1.07180	25 X
K12B76Z	18.8	0.15	K123E	336.530	9.739	240.212	7.398	0.67922	2.40908	26 X
K12B77B	19.0	0.15	K123E	38.679	232.557	157.723	20.804	0.68691	2.20444	25 X
K12B86G	21.3	0.15	K123E	70.749	33.471	316.819	35.795	0.75051	1.25897	23 X
K12BC4C	19.7	0.15	K123E	2.322	200.294	314.915	41.746	0.47524	2.30205	20 X
K12BD0Z	15.5	0.15	K123E	8.454	4.234	107.626	14.329	0.53222	7.09153	20 X
K12BD4J	18.0	0.15	K123E	345.330	136.890	145.935	20.777	0.83416	2.25679	30 X
K12C00T	21.4	0.15	K123E	18.619	325.347	140.132	16.022	0.50354	2.30692	17 X
K12C02K	18.8	0.15	K123E	39.993	80.955	355.145	25.956	0.50466	2.58039	18 X
K12C17C	20.5	0.15	K123E	334.136	234.697	343.646	11.804	0.36436	1.62060	16 X
K12C21A	19.3	0.15	K123E	359.192	35.565	128.186	28.830	0.65732	2.64298	8 X
K12C29D	19.9	0.15	K123E	311.104	152.342	144.795	19.336	0.64933	1.02624	6 X
K12C29L	23.4	0.15	K123E	13.303	170.820	334.490	8.092	0.34401	1.75003	6 X
K12C29M	22.1	0.15	K123E	0.451	40.468	132.784	6.133	0.40210	2.03085	6 X
K12C36P	21.7	0.15	K123E	13.934	140.933	341.327	13.878	0.49045	2.11557	5 W
K12C36Q	21.9	0.15	K123E	323.124	161.182	90.342	3.755	0.49622	1.41665	6 X
K12C45R	25.6	0.15	K123E	5.515	12.727	152.560	3.673	0.33834	1.53854	4 X
K12C46N	24.7	0.15	K123E	13.671	23.616	122.895	2.244	0.20042	1.44883	7 X
K12D00P	25.4	0.15	K123E	16.577	150.852	334.238	4.088	0.46349	2.05590	3 X
K12D00X	27.1	0.15	K123E	347.564	235.473	333.965	5.942	0.39951	1.43449	1 W
K12D00Y	26.7	0.15	K123E	359.460	31.034	150.081	4.969	0.53930	2.11129	1 W
K12D00Z	26.1	0.15	K123E	353.539	250.740	327.441	1.290	0.64595	2.17678	0 X

New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc C
K11Y17H	17.7	0.15	K121E	353.428	22.689	111.114	11.139	0.24169	2.98830	56 W
K11Y17T	17.4	0.15	K121E	65.397	253.353	132.059	5.297	0.20444	2.45043	57 X
K11Y26O	15.6	0.15	K121E	332.765	30.423	136.737	16.055	0.21113	3.17012	56 X
K11Y44D	15.8	0.15	K121E	184.420	165.352	125.386	14.060	0.10139	3.11175	54 X
K11Y56F	14.3	0.15	K121E	34.145	119.113	311.841	6.295	0.09275	5.12987	52 X
K11Y58D	17.9	0.15	K11CP	33.991	132.069	296.819	4.749	0.07395	2.28784	83 X
K11Y67Q	17.6	0.15	K121E	354.194	175.763	316.551	6.963	0.31118	2.60249	50 X
K11Y67V	18.9	0.15	K121E	15.824	136.981	316.602	9.604	0.28023	2.46132	50 X

K11Y75S	18.2	0.15	K121E	79.743	270.213	128.134	23.101	0.12185	1.92415	54	X
K12A01F	14.1	0.15	K121E	356.739	357.155	119.150	13.558	0.11600	5.19177	48	X
K12A05U	17.2	0.15	K121E	330.330	29.146	124.645	9.262	0.14461	2.74478	54	X
K12B00C	17.6	0.15	K121E	290.878	102.336	96.722	2.468	0.13995	2.44905	48	X
K12B01D	16.5	0.15	K1223	9.802	151.631	335.634	11.777	0.20218	3.11815	32	W
K12B04T	18.3	0.15	K121E	34.663	139.295	290.778	2.364	0.13415	2.28673	46	X
K12B09Z	18.5	0.15	K1223	280.643	84.621	144.050	23.567	0.06122	1.89421	32	X
K12B10A	17.3	0.15	K1223	315.140	75.181	147.450	29.328	0.31873	2.61364	32	X
K12B10E	17.2	0.15	K1223	359.600	351.081	155.420	14.235	0.15287	2.64290	32	X
K12B10N	16.0	0.15	K1223	356.656	357.185	159.143	10.716	0.15460	3.98282	32	W
K12B10O	15.9	0.15	K1223	323.048	41.091	153.099	14.655	0.09551	3.01575	32	X
K12B16A	17.6	0.15	K1223	61.616	110.524	303.138	4.837	0.13834	2.23544	31	X
K12B16C	15.7	0.15	K1223	284.297	257.942	310.062	9.245	0.02733	3.14990	31	X
K12B16D	17.2	0.15	K121E	332.345	208.478	308.326	9.582	0.09063	2.42304	53	X
K12B16G	17.9	0.15	K1223	20.818	132.156	323.228	10.893	0.33193	2.68531	31	W
K12B18N	16.6	0.15	K1223	282.428	90.125	145.879	14.538	0.12654	2.76184	31	X
K12B18O	18.0	0.15	K1223	330.626	30.508	151.290	6.723	0.14624	2.45341	31	X
K12B19G	14.9	0.15	K1223	265.989	89.583	139.163	16.682	0.03383	3.11344	30	X
K12B19W	17.3	0.15	K1223	341.979	58.119	120.017	30.918	0.33144	2.58863	32	W
K12B20Q	16.1	0.15	K121E	115.349	68.251	299.613	8.177	0.03323	3.08137	36	X
K12B20Z	17.8	0.15	K1223	30.407	323.887	140.469	2.883	0.13833	2.38058	31	X
K12B21M	17.7	0.15	K1223	335.774	9.469	153.805	1.407	0.12526	2.40626	30	X
K12B24F	17.1	0.15	K1223	354.043	46.361	99.823	9.298	0.13010	2.63446	32	X
K12B24Q	18.1	0.15	K1223	43.517	316.691	129.914	25.756	0.10526	1.99980	31	X
K12B24V	16.2	0.15	K1223	324.871	232.550	304.770	10.430	0.13458	2.75085	30	X
K12B24Z	17.5	0.15	K1223	309.444	108.989	88.300	7.317	0.09143	2.38771	32	X
K12B25D	16.4	0.15	K121E	55.682	291.342	134.294	22.522	0.03751	2.65530	49	X
K12B26J	18.1	0.15	K1223	113.491	232.166	147.354	23.305	0.09497	1.93931	32	X
K12B26X	18.2	0.15	K121E	49.650	129.868	298.925	19.670	0.09270	1.77391	56	W
K12B27B	13.5	0.15	K1223	58.287	348.744	76.867	11.598	0.11998	5.17149	29	X
K12B27T	17.5	0.15	K1223	327.629	228.245	298.837	3.937	0.06801	2.43305	31	X
K12B27V	16.9	0.15	K1223	336.721	203.151	330.005	14.939	0.10688	3.04436	31	X
K12B27X	18.1	0.15	K1223	326.738	198.603	343.382	5.322	0.09565	2.18884	31	W
K12B27Y	16.0	0.15	K1223	294.161	68.525	146.293	9.104	0.01693	3.10466	31	X
K12B28E	17.9	0.15	K1223	320.220	36.248	147.189	2.542	0.13690	2.36263	30	X
K12B28G	18.0	0.15	K1223	71.589	119.005	282.581	0.992	0.17172	2.22588	30	X
K12B35W	16.7	0.15	K1223	94.446	243.242	134.038	6.129	0.07001	2.68469	31	X
K12B47H	16.6	0.15	K1223	13.591	180.186	306.632	5.594	0.13679	2.98302	31	X
K12B47P	15.3	0.15	K1223	339.618	176.742	346.985	17.248	0.14695	3.18302	32	X
K12B47W	15.4	0.15	K1223	57.797	288.008	148.114	17.549	0.14518	3.19169	31	X
K12B52J	16.7	0.15	K1223	305.935	58.055	151.196	8.659	0.11057	2.80317	29	X
K12B52Q	17.9	0.15	K1223	294.277	86.728	128.589	7.121	0.04873	2.25940	29	X
K12B52W	16.9	0.15	K1223	57.818	113.801	332.081	21.567	0.03351	2.65207	29	X
K12B52Y	17.6	0.15	K1223	354.476	190.056	319.754	6.401	0.16354	2.30129	29	X
K12B53B	18.5	0.15	K1223	12.846	350.266	137.309	5.340	0.11047	2.41924	29	X
K12B53C	16.1	0.15	K1223	245.238	298.267	329.949	8.155	0.07324	2.99118	29	X
K12B53E	19.0	0.15	K1223	357.649	181.323	326.956	3.763	0.32143	2.76757	29	X
K12B53O	17.5	0.15	K1223	314.518	223.425	338.726	5.978	0.11200	2.27252	29	X
K12B53P	17.2	0.15	K1223	243.425	299.611	327.009	3.296	0.05222	2.31303	29	X
K12B53S	17.6	0.15	K1223	295.643	225.239	359.883	2.018	0.15085	2.42971	29	X
K12B53T	17.6	0.15	K1223	55.584	75.696	2.681	1.698	0.10554	2.52418	29	X
K12B54B	18.0	0.15	K1223	9.757	151.738	339.310	3.063	0.16711	2.40587	29	X
K12B54C	16.8	0.15	K1223	357.585	180.891	328.006	12.863	0.19989	2.65430	29	X
K12B54D	17.0	0.15	K1223	310.902	237.934	332.539	13.261	0.15416	2.71958	29	X
K12B54G	18.2	0.15	K121E	33.442	117.401	341.063	5.501	0.08706	2.22015	54	X
K12B54H	16.6	0.15	K1223	254.092	285.692	332.257	11.155	0.04094	2.63944	29	X
K12B55F	16.5	0.15	K1223	34.995	328.158	144.786	18.186	0.10066	3.21682	29	X
K12B55H	16.6	0.15	K1223	15.159	129.287	7.726	7.634	0.06666	3.18369	29	X
K12B56Z	17.3	0.15	K1223	0.648	224.871	275.930	1.423	0.11265	2.37353	27	X
K12B57B	16.9	0.15	K1223	20.563	17.126	88.911	7.805	0.22293	2.98512	27	X
K12B68L	16.1	0.15	K1223	81.537	264.605	135.173	11.548	0.08246	3.08560	29	X

K12B68S	15.5	0.15	K1223	235.162	318.401	312.667	26.265	0.18052	3.18183	29	X
K12B68V	16.9	0.15	K1223	292.635	266.908	316.229	16.108	0.21503	3.18531	29	X
K12B69B	18.5	0.15	K1223	341.873	196.521	319.344	5.038	0.13757	2.43566	29	X
K12B69J	17.8	0.15	K1223	84.303	75.168	316.556	14.258	0.13465	2.54927	29	X
K12B69N	16.6	0.15	K1223	320.647	218.999	317.437	10.850	0.06517	3.06139	29	X
K12B70S	17.4	0.15	K1223	314.917	219.716	321.504	2.101	0.05403	2.71615	29	X
K12B70T	17.2	0.15	K1223	57.880	17.650	39.792	0.298	0.15404	3.18432	29	X
K12B70X	18.7	0.15	K1223	354.650	185.830	313.269	0.538	0.12425	2.41360	29	X
K12B70Z	17.3	0.15	K1223	55.139	119.925	313.441	4.541	0.03622	2.67441	29	X
K12B71C	18.2	0.15	K1223	64.929	95.063	319.527	2.811	0.11414	2.24299	29	X
K12B72Z	18.0	0.15	K1223	297.836	256.907	324.037	5.132	0.12758	2.30276	29	X
K12B73X	16.3	0.15	K121E	217.818	131.751	141.209	12.037	0.07338	2.71713	48	X
K12B74D	16.4	0.15	K1223	26.516	300.802	135.669	29.451	0.36115	3.27107	29	W
K12B74R	17.2	0.15	K1223	28.246	317.469	149.729	24.056	0.20922	2.27532	27	W
K12B75A	16.8	0.15	K121E	7.883	350.995	134.097	8.401	0.20561	2.97742	54	X
K12B85L	16.3	0.15	K1223	301.818	259.468	313.052	20.568	0.21863	3.11705	29	X
K12B86P	16.3	0.15	K121E	11.327	200.919	275.924	12.278	0.14722	2.60768	53	X
K12B86Q	15.4	0.15	K121E	350.685	3.342	149.130	29.792	0.17677	3.12695	49	W
K12B87F	16.8	0.15	K1223	356.328	293.120	203.927	11.692	0.22312	2.52766	30	W
K12B90E	16.6	0.15	K1223	81.589	96.992	311.845	1.324	0.05224	2.77818	29	W
K12B90L	17.7	0.15	K1223	330.241	356.693	185.824	2.708	0.13525	2.42470	31	X
K12B90V	16.5	0.15	K1223	55.488	274.073	137.545	6.579	0.27726	3.15664	23	X
K12B93N	18.4	0.15	K1223	285.581	271.657	315.509	26.098	0.17871	2.64260	24	W
K12B94J	17.0	0.15	K1223	34.975	298.031	159.704	5.763	0.16718	2.68929	23	X
K12B94K	17.9	0.15	K1223	334.438	21.234	143.661	6.677	0.12232	2.38180	23	X
K12B94N	17.3	0.15	K1223	286.622	300.096	279.930	0.813	0.12782	2.46419	30	X
K12B94Q	18.0	0.15	K1223	39.550	277.904	160.660	1.024	0.16353	2.44076	23	X
K12B94Y	16.6	0.15	K1223	129.430	220.904	133.453	13.572	0.09503	3.17911	23	X
K12B94Z	16.2	0.15	K1223	168.809	9.778	309.439	5.550	0.07281	2.72423	31	X
K12B95P	17.0	0.15	K1223	65.630	313.075	106.442	12.381	0.10703	3.03985	21	W
K12B97O	15.0	0.15	K1223	357.240	2.610	130.837	1.071	0.11400	5.39890	24	W
K12B98D	18.1	0.15	K1223	263.457	261.165	337.889	17.356	0.06972	1.96283	20	X
K12B98U	16.5	0.15	K1223	217.529	321.124	316.613	15.070	0.05487	3.15641	24	X
K12BA0K	17.6	0.15	K1223	55.288	288.348	130.413	2.022	0.16696	3.09616	23	X
K12BA1Q	16.6	0.15	K1223	144.755	26.447	313.931	9.199	0.10505	3.17033	23	X
K12BA1S	17.4	0.15	K1223	336.050	32.235	126.884	2.126	0.10347	3.08289	31	X
K12BA3P	15.8	0.15	K1223	296.582	242.796	334.070	24.744	0.17352	3.16368	31	W
K12BA4O	16.1	0.15	K1223	15.798	340.536	142.499	19.292	0.17093	3.16602	29	X
K12BA4V	15.7	0.15	K1223	333.570	180.371	358.051	11.515	0.15340	3.20454	27	X
K12BA5J	16.0	0.15	K1223	255.804	293.472	316.314	12.419	0.12999	3.18300	24	X
K12BA6Z	17.4	0.15	K1223	68.413	106.371	321.545	6.249	0.09549	2.36887	31	X
K12BA7A	15.2	0.15	K1223	324.410	226.826	346.763	31.769	0.19858	2.62715	29	W
K12BA8E	17.3	0.15	K1223	168.868	352.829	327.957	2.407	0.10954	2.68144	24	X
K12BB0C	16.3	0.15	K1223	245.039	131.920	131.293	17.306	0.19588	3.09892	23	X
K12BB0F	18.2	0.15	K1223	70.046	267.253	141.028	2.611	0.18094	2.37388	22	X
K12BB0Y	17.4	0.15	K1223	40.113	322.378	125.223	4.499	0.17862	3.08369	23	X
K12BB0Z	18.2	0.15	K1223	345.265	189.179	330.986	6.332	0.11727	2.26404	31	X
K12BB1V	17.1	0.15	K1223	118.066	232.396	149.165	2.790	0.02740	2.36167	32	X
K12BB1Z	17.4	0.15	K1223	21.260	165.185	310.402	3.747	0.12308	2.41011	23	W
K12BB2A	18.3	0.15	K1223	46.384	128.789	307.373	4.320	0.20589	2.38010	23	W
K12BB2D	15.8	0.15	K1223	91.726	83.777	319.808	7.720	0.08789	2.97421	23	X
K12BB2M	18.6	0.15	K1223	340.072	218.373	313.129	4.608	0.17484	2.27840	31	X
K12BB2O	16.5	0.15	K1223	62.552	106.277	324.415	8.264	0.12577	3.06837	23	X
K12BB2S	16.2	0.15	K1223	10.286	163.195	332.083	4.055	0.08723	3.13934	23	X
K12BB2U	15.8	0.15	K1223	228.308	135.677	147.248	14.672	0.02254	3.22214	31	X
K12BB2X	17.6	0.15	K1223	7.436	357.533	138.594	2.804	0.13406	2.42148	31	X
K12BB3D	17.5	0.15	K1223	314.285	256.737	299.362	2.806	0.05165	2.61194	31	X
K12BB3G	18.6	0.15	K1223	359.399	199.664	306.440	1.577	0.17895	2.36500	31	X
K12BB3K	17.8	0.15	K1223	327.052	16.174	153.157	6.438	0.06124	2.44122	23	X
K12BB4U	18.6	0.15	K1223	36.176	152.864	293.912	2.064	0.12346	2.27185	30	X
K12BB6A	16.7	0.15	K1223	131.928	50.796	306.567	5.455	0.02693	2.79457	23	X

K12BB6Z	16.9	0.15	K1223	289.843	263.689	303.161	9.047	0.04369	2.99168	30	X
K12BB7C	17.6	0.15	K1223	312.678	281.107	270.216	0.896	0.12896	2.43011	30	X
K12BB7L	17.0	0.15	K121E	348.668	2.455	136.171	4.751	0.04329	2.81312	47	X
K12BB8O	18.5	0.15	K1223	316.244	41.990	144.287	1.858	0.12153	2.38423	30	X
K12BB8R	16.0	0.15	K1223	183.757	357.769	310.253	9.287	0.15899	3.16460	23	X
K12BB9F	14.3	0.15	K1223	59.594	281.614	128.559	5.127	0.19092	5.16196	23	X
K12BB9Z	16.5	0.15	K1223	38.091	144.930	305.371	9.536	0.04536	3.12447	21	W
K12BC0B	17.8	0.15	K1223	358.057	189.684	304.347	4.114	0.03660	2.54122	30	X
K12BC0N	18.0	0.15	K1223	289.025	276.244	299.229	4.517	0.10454	2.30554	30	X
K12BC2A	17.5	0.15	K1223	283.140	277.956	322.644	6.411	0.12455	2.30934	31	X
K12BC2B	16.6	0.15	K1223	359.766	358.428	152.553	15.816	0.11160	2.79305	20	X
K12BC4F	17.9	0.15	K1223	78.527	301.563	123.382	24.162	0.06792	1.88019	28	X
K12BC6U	15.9	0.15	K1223	202.064	176.222	138.867	12.523	0.04336	3.01772	21	X
K12BC7N	15.9	0.15	K1223	298.823	245.825	307.784	10.608	0.03762	3.13053	31	X
K12BC8E	16.0	0.15	K1223	27.404	128.492	335.552	9.722	0.18148	3.15634	20	X
K12BC9W	15.7	0.15	K1223	327.042	51.319	127.462	27.765	0.12394	3.09464	31	X
K12BD0H	16.3	0.15	K1223	310.385	197.307	350.299	10.529	0.04046	3.00429	29	X
K12BD0J	17.6	0.15	K1223	320.329	129.775	52.653	5.342	0.09909	2.52642	20	X
K12BD0K	16.7	0.15	K1223	198.913	268.325	27.983	6.842	0.03272	2.72043	31	X
K12BD0Q	15.6	0.15	K1223	164.537	244.211	87.468	11.119	0.09410	3.15839	20	X
K12BD0T	17.6	0.15	K1223	265.159	233.387	4.717	7.684	0.07451	2.28378	20	X
K12BD0U	16.0	0.15	K1223	314.229	69.895	120.556	23.164	0.03534	3.10241	19	X
K12BD0V	18.2	0.15	K1223	30.099	29.265	65.491	5.973	0.19073	2.41744	19	X
K12BD2F	16.8	0.15	K1223	308.288	109.274	85.715	6.940	0.07494	2.38792	29	X
K12BD2Q	16.2	0.15	K1223	347.220	263.963	246.371	11.575	0.19934	2.77520	26	W
K12BD3B	17.1	0.15	K1223	15.259	159.014	306.372	14.082	0.23156	2.66155	31	X
K12BD3R	15.6	0.15	K1223	350.176	46.145	99.431	10.920	0.01850	3.08346	20	X
K12BD3T	15.7	0.15	K1223	358.571	27.927	109.985	16.329	0.12095	3.04947	20	X
K12BD4C	16.7	0.15	K1223	34.067	88.692	1.575	12.432	0.18917	2.76197	32	X
K12BD4F	19.6	0.15	K1223	62.385	276.934	150.723	23.351	0.10491	1.81789	30	X
K12BD4Q	20.3	0.15	K1223	288.371	248.265	336.549	15.757	0.15666	1.79973	20	X
K12BD8U	16.8	0.15	K1223	338.074	16.027	139.150	1.650	0.08683	3.01234	23	X
K12BD9H	17.3	0.15	K1223	24.974	354.245	114.684	14.555	0.03813	2.56556	21	W
K12BD9N	17.5	0.15	K1223	54.004	84.738	345.717	6.994	0.20814	2.45552	25	X
K12BD9U	16.3	0.15	K1223	355.362	66.686	74.188	6.745	0.10104	3.17570	29	X
K12BE0C	16.6	0.15	K1223	28.058	308.601	162.034	9.246	0.18088	3.22367	20	X
K12C00X	16.6	0.15	K1223	128.978	227.427	137.794	15.461	0.12056	2.62053	18	X
K12C02X	16.2	0.15	K1223	114.112	69.440	318.642	10.058	0.02571	3.18326	18	X
K12C02Z	15.8	0.15	K1223	51.650	297.763	146.507	17.525	0.10358	3.24592	18	X
K12C03B	16.6	0.15	K1223	346.068	193.569	330.438	4.386	0.08548	3.23275	29	X
K12C05Q	15.7	0.15	K1223	153.146	279.763	63.449	10.032	0.08720	3.15989	16	X
K12C05R	15.9	0.15	K1223	182.630	309.666	7.487	11.224	0.04213	2.97356	16	X
K12C06M	16.7	0.15	K1223	322.237	248.089	311.004	21.370	0.17635	3.12837	16	X
K12C08Q	18.4	0.15	K1223	305.218	72.250	142.306	11.916	0.20298	2.38131	15	X
K12C11W	17.7	0.15	K1223	4.020	168.041	330.035	10.415	0.07026	2.62888	16	W
K12C12C	18.3	0.15	K1223	305.733	201.954	10.986	2.287	0.15866	2.28817	20	X
K12C13A	17.0	0.15	K1223	88.810	260.394	138.976	14.578	0.16286	2.60267	16	X
K12C13G	16.8	0.15	K1223	331.070	200.001	339.763	10.417	0.06371	3.08162	25	X
K12C14K	18.8	0.15	K1223	319.210	59.014	140.771	5.519	0.16933	2.37245	16	X
K12C14P	17.0	0.15	K1223	123.547	264.920	107.165	0.414	0.08702	2.76381	16	X
K12C14S	15.8	0.15	K1223	270.188	286.740	328.482	7.615	0.18988	3.17956	16	X
K12C15B	16.4	0.15	K1223	311.523	231.813	329.326	10.407	0.09126	3.06714	32	X
K12C16F	16.3	0.15	K1223	233.601	312.241	327.710	10.668	0.12079	3.16469	18	X
K12C16P	15.7	0.15	K1223	225.285	149.860	135.510	12.664	0.06239	3.12348	16	X
K12C16T	17.0	0.15	K1223	338.212	192.548	341.017	7.574	0.12033	2.76839	21	W
K12C17A	19.0	0.15	K1223	336.658	47.068	125.570	3.416	0.14045	2.20038	16	W
K12C19K	17.4	0.15	K1223	25.886	310.324	149.334	16.451	0.28758	2.71521	7	X
K12C21K	18.3	0.15	K1223	332.662	5.991	173.589	1.041	0.12412	2.40048	23	X
K12C24A	16.6	0.15	K1223	328.594	35.469	154.322	21.383	0.19985	3.08971	6	X
K12C28Y	17.3	0.15	K1223	357.688	224.917	284.398	6.484	0.17445	2.76684	6	W
K12C30K	17.7	0.15	K1223	68.135	104.473	313.623	12.923	0.03108	2.66454	8	X

K12C33O	17.0	0.15	K1223	85.842	152.831	254.691	2.055	0.09705	2.54855	6	X
K12C34U	17.8	0.15	K1223	26.488	132.190	322.584	6.855	0.23911	2.75206	8	X
K12C35L	17.9	0.15	K1223	326.073	216.476	333.657	3.301	0.17839	2.38256	16	X
K12C36J	15.9	0.15	K1223	231.842	174.807	96.346	10.372	0.08276	2.84228	5	X
K12C37D	16.9	0.15	K1223	33.907	132.420	327.267	14.022	0.16718	3.08984	18	X
K12C37O	18.1	0.15	K1223	4.082	163.753	339.608	3.982	0.15331	2.61127	18	X
K12C37Q	17.9	0.15	K1223	358.041	183.930	329.299	13.190	0.12245	2.76266	18	X
K12C38A	16.4	0.15	K1223	52.729	85.141	357.571	14.364	0.03103	2.72463	19	X
K12C38P	16.5	0.15	K1223	337.989	332.560	201.842	2.297	0.07695	3.21694	16	X
K12C40X	18.4	0.15	K1223	333.992	49.907	138.064	6.064	0.26938	2.71610	21	X
K12C41P	17.3	0.15	K1223	91.670	70.797	323.020	14.468	0.12018	2.63437	15	W
K12C42K	16.7	0.15	K1223	60.558	11.297	65.832	2.564	0.06569	3.06614	20	X
K12C42P	18.1	0.15	K1223	19.715	328.717	146.866	14.106	0.18893	2.64327	15	X
K12C42V	17.9	0.15	K1223	317.646	63.422	133.659	10.113	0.11219	2.65057	15	W
K12C42Z	16.8	0.15	K1223	8.632	118.781	3.607	8.441	0.16059	3.21377	20	X
K12C43B	16.5	0.15	K1223	31.743	355.050	103.275	10.200	0.09120	3.13090	15	X
K12C44E	18.8	0.15	K1223	11.161	14.158	121.212	5.252	0.12612	2.26315	6	X
K12C44G	17.3	0.15	K1223	54.042	69.820	13.265	6.791	0.16497	3.03521	6	X
K12C44L	17.3	0.15	K1223	58.760	323.642	114.199	4.529	0.16458	2.73197	6	X
K12C44M	17.9	0.15	K1223	13.897	45.634	87.080	3.551	0.19599	2.78135	6	X
K12C44N	16.9	0.15	K1223	334.396	167.567	22.502	5.100	0.13966	3.13967	6	X
K12C44O	17.8	0.15	K1223	76.523	90.925	325.706	5.447	0.12664	2.38787	6	X
K12C44P	18.1	0.15	K1223	338.344	7.185	167.846	1.056	0.11719	2.42262	6	X
K12C44R	17.8	0.15	K1223	17.410	119.429	348.289	3.391	0.37604	3.14462	6	W
K12C45L	17.9	0.15	K1223	38.472	329.418	138.417	6.990	0.08379	2.37687	6	X
K12C45T	17.2	0.15	K1223	69.038	90.145	329.060	11.222	0.16966	2.64646	6	X
K12C45Y	17.2	0.15	K1223	298.083	264.961	329.791	8.117	0.20701	2.79512	6	X
K12C46M	18.8	0.15	K1223	67.911	86.360	334.043	22.828	0.12895	1.75383	4	X
K12C46T	20.0	0.15	K1223	264.621	107.965	140.622	26.813	0.10729	1.93942	4	EX
K12C46U	19.5	0.15	K1223	262.688	115.319	146.973	28.985	0.19403	2.03571	4	EX
K12C46W	18.5	0.15	K1223	38.368	90.916	318.645	26.760	0.41560	2.61828	7	W
K12C46X	15.7	0.15	K1223	270.391	286.668	333.885	25.913	0.20655	3.13519	16	W
K12C46Z	17.7	0.15	K1223	14.670	146.669	336.718	11.723	0.20244	2.78575	16	W
K12C47B	17.3	0.15	K1223	27.790	318.057	151.787	11.647	0.15005	3.10910	6	W
K12C47D	16.5	0.15	K1223	278.541	253.110	359.669	11.056	0.14599	3.09897	6	W
K12C47E	17.2	0.15	K1223	215.962	285.741	13.983	5.959	0.02776	2.67627	6	W
K12C47G	17.1	0.15	K1223	313.932	198.546	11.315	8.735	0.10236	2.66545	6	W
K12C47R	16.6	0.15	K1223	252.782	127.466	145.841	13.088	0.10222	2.72183	6	W
K12C47T	18.6	0.15	K1223	336.339	86.004	92.613	3.029	0.06608	2.20983	6	W
K12C47V	17.0	0.15	K1223	308.086	72.799	146.521	14.988	0.12231	2.63948	16	W
K12C47W	17.7	0.15	K1223	320.800	217.338	317.884	3.734	0.07656	2.72034	8	W
K12C50V	17.8	0.15	K1223	6.287	330.670	167.882	4.890	0.09024	2.34437	16	W
K12C51A	18.5	0.15	K1223	344.548	309.301	218.323	1.643	0.16663	2.41936	16	W
K12C51C	18.4	0.15	K1223	315.666	22.117	173.299	3.151	0.05369	2.23089	16	W
K12C51U	18.1	0.15	K1223	326.750	13.338	178.566	2.132	0.13941	2.37895	16	W
K12D00H	17.4	0.15	K1223	50.833	308.240	142.123	5.860	0.03566	2.74684	4	W
K12D00Q	19.6	0.15	K1223	95.324	52.805	345.805	15.789	0.11895	1.85688	3	X
K12D00R	19.9	0.15	K1223	147.696	17.295	341.548	16.214	0.07452	1.85146	2	EX
K12D00T	16.1	0.15	K121E	359.490	65.132	95.222	21.989	0.38766	3.11597	40	S
K12D00U	16.0	0.15	K121E	355.408	109.121	9.243	18.991	0.31343	3.10138	39	S
K12D00V	17.8	0.15	K1223	265.179	132.952	112.634	23.756	0.05886	1.92608	28	S
K12D00W	17.4	0.15	K1223	11.161	109.219	13.789	17.843	0.11578	1.96580	27	S
K12D03O	17.6	0.15	K1223	26.920	137.136	347.274	19.972	0.02962	2.68203	6	W
K12D03Q	17.4	0.15	K1223	84.099	289.489	138.253	13.978	0.04245	2.78269	6	W

New observations:

J95D01W	KC2012	02	19.40554	13	11	43.89	-04	46	08.9		oED027291
J95D01W	KC2012	02	19.41053	13	11	43.72	-04	46	13.3		oED027291
J95D01W	KC2012	02	19.41552	13	11	43.54	-04	46	18.7		oED027291
J95F00J	KC2012	02	19.45616	15	03	43.50	-10	42	47.3		oED027291
J95F00J	KC2012	02	19.46027	15	03	43.90	-10	42	55.9		oED027291

J95F00J	KC2012	02	19.46438	15	03	44.29	-10	43	04.6		oED027291
J96A01J	KC2012	02	19.51740	16	30	31.56	-18	10	44.4		oED027291
J96A01J	KC2012	02	19.52251	16	30	33.33	-18	10	47.4		oED027291
J99F21J	KC2012	02	19.49666	15	57	29.69	-09	28	33.7		oED027291
J99F21J	KC2012	02	19.50154	15	57	30.00	-09	28	41.0		oED027291
J99F21J	IC2012	02	19.50641	15	57	30.23	-09	28	49.2		oED027291
K02E06L	KC2012	02	19.14472708	20		49.64	+29	57	31.3	22.6	VoED027H21
K02E06L	KC2012	02	19.16306508	20		48.32	+29	57	36.3	22.2	VoED027H21
K02E06L	KC2012	02	19.18142508	20		46.98	+29	57	40.3	22.5	VoED027H21
K03H06B	KC2012	02	19.46872	15	10	48.60	-12	47	15.1		oED027291
K03H06B	KC2012	02	19.47364	15	10	48.99	-12	47	15.7		oED027291
K03H06B	KC2012	02	19.47851	15	10	49.39	-12	47	16.2		oED027291
K03Q29Z	KC2012	02	19.34483312	11		35.81	+00	11	08.1	21.5	VoED027H21
K03Q29Z	KC2012	02	19.34980912	11		35.50	+00	11	11.3	21.5	VoED027H21
K03Q29Z	KC2012	02	19.35491112	11		35.17	+00	11	15.2	21.5	VoED027H21
K03X10V	KC2012	02	19.48314	15	11	50.09	-20	14	28.2		oED027291
K03X10V	KC2012	02	19.48721	15	11	50.73	-20	14	33.4		oED027291
K03X10V	KC2012	02	19.49128	15	11	51.37	-20	14	38.0		oED027291
K05A14H	C2012	02	19.45793	16	00	15.54	+00	08	53.5	18.8	cED027704
K05A14H	C2012	02	19.48231	16	00	23.03	+00	08	23.7	19.2	cED027704
K05A14H	C2012	02	19.49449	16	00	26.79	+00	08	09.5	19.2	cED027704
K05A14H	C2012	02	19.50672	16	00	30.47	+00	07	53.3	18.8	cED027704
K08C01H	KC2012	02	19.41124013	00		55.02	+23	02	23.4	19.8	RuED027H36
K08C01H	KC2012	02	19.41880013	00		56.21	+23	02	50.2	19.3	RuED027H36
K08C01H	KC2012	02	19.42690813	00		57.53	+23	03	19.5	19.9	RuED027H36
K08C01H	KC2012	02	19.43434813	00		58.71	+23	03	46.4	19.8	RuED027H36
K08D05G	KC2012	02	19.06450405	14		04.19	+15	24	23.0	22.2	VoED027H21
K08D05G	KC2012	02	19.08864105	14		05.56	+15	24	27.3	21.9	VoED027H21
K08D05G	KC2012	02	19.10762805	14		06.64	+15	24	30.4	22.0	VoED027H21
K08D05J	C2012	02	19.32791	09	37	05.16	+24	58	58.2	21.3	VrED027G96
K08D05J	C2012	02	19.33370	09	37	04.33	+24	58	59.3	21.2	VrED027G96
K08D05J	C2012	02	19.33954	09	37	03.46	+24	59	00.9	21.9	VrED027G96
K08D05J	C2012	02	19.34534	09	37	02.64	+24	59	02.2	21.4	VrED027G96
K08G01E	C2012	02	19.14864	07	17	19.26	+24	48	08.6	19.8	VoED027691
K08G01E	C2012	02	19.16505	07	17	20.35	+24	48	18.7	19.8	VoED027691
K08G01E	C2012	02	19.18147	07	17	21.44	+24	48	28.9	19.9	VoED027691
K10F00Q	KC2012	02	19.52868	16	46	29.19	-09	39	38.4		oED027291
K10F00Q	KC2012	02	19.53227	16	46	29.77	-09	39	36.4		oED027291
K10F00Q	KC2012	02	19.53587	16	46	30.52	-09	39	35.8		oED027291
K10L63Y	KC2012	02	19.30305911	35		28.43	+02	43	24.5	21.9	VoED027H21
K10L63Y	KC2012	02	19.31861011	35		27.45	+02	43	27.6	21.9	VoED027H21
K10L63Y	KC2012	02	19.33426911	35		26.45	+02	43	30.5	22.1	VoED027H21
K10OA1N	KC2012	02	19.29577	08	09	05.40	+00	42	37.8		oED027291
K10OA1N	KC2012	02	19.30207	08	09	04.76	+00	42	38.8		oED027291
K10OA1N	KC2012	02	19.30837	08	09	04.17	+00	42	40.5		oED027291
K11E12B	KC2012	02	19.44471313	13		20.09	+14	15	35.9	19.4	RuED027H36
K11E12B	KC2012	02	19.45314113	13		17.80	+14	15	16.2	19.9	RuED027H36
K11E12B	KC2012	02	19.46357513	13		14.99	+14	14	52.5	19.6	RuED027H36
K11P00S	C2012	02	19.25602	11	12	00.60	+12	20	45.0	20.6	VoED027691
K11P00S	C2012	02	19.27397	11	11	58.34	+12	20	54.4	20.9	VoED027691
K11P00S	C2012	02	19.29540	11	11	55.55	+12	21	05.1	20.8	VoED027691
K11SA2L	C2012	02	17.91170	09	47	00.12	+63	19	26.8	17.4	RcED027A24
K11SA2L	C2012	02	17.91242	09	47	00.25	+63	19	25.5	17.0	RcED027A24
K11SA2L	C2012	02	19.48148	09	51	14.86	+62	18	25.5	17.4	VuED027379
K11SA2L	C2012	02	19.48391	09	51	15.19	+62	18	20.3	17.4	VuED027379
K11SA2L	C2012	02	19.48634	09	51	15.53	+62	18	14.8	17.3	VuED027379
K11SA2L	C2012	02	19.49631	09	51	16.88	+62	17	51.7	17.5	VuED027379
K11SA2L	C2012	02	19.50135	09	51	17.56	+62	17	40.5	17.2	VuED027379
K11SA2L	C2012	02	19.50378	09	51	17.92	+62	17	34.9	17.3	VuED027379
K11SA2L	C2012	02	19.50622	09	51	18.20	+62	17	29.9	17.5	VuED027379
K11SA2L	C2012	02	19.51146	09	51	18.97	+62	17	18.0	17.3	VuED027379

K11SA2L	C2012	02	19.51389	09	51	19.27	+62	17	12.3	17.2	VuED027379
K11SA2L	C2012	02	19.51632	09	51	19.53	+62	17	06.8	17.2	VuED027379
K11SA2L	C2012	02	19.52145	09	51	20.28	+62	16	54.9	16.7	VuED027379
K11SA2L	C2012	02	19.52388	09	51	20.58	+62	16	49.2	16.7	VuED027379
K11SA2L	C2012	02	19.53146	09	51	21.62	+62	16	31.9	17.3	VuED027379
K11SA2L	C2012	02	19.53389	09	51	21.93	+62	16	26.7	17.4	VuED027379
K11SA2L	C2012	02	19.54576	09	51	23.51	+62	15	59.3	16.9	VuED027379
K11SA2L	C2012	02	19.54819	09	51	23.88	+62	15	53.9	17.2	VuED027379
K11X01E	KC2012	02	19.13185306	39	21.50	-20	24	10.1		19.1	VtED027H21
K11X01E	KC2012	02	19.13626706	39	21.59	-20	24	15.4		19.1	VtED027H21
K11X01E	KC2012	02	19.14067906	39	21.70	-20	24	21.3		19.1	VtED027H21
K11X03O	KC2012	02	19.14539404	00	15.89	+40	18	04.2		19.6	VtED027H21
K11X03O	KC2012	02	19.14901004	00	16.32	+40	17	58.6		19.6	VtED027H21
K11X03O	KC2012	02	19.15263104	00	16.75	+40	17	53.0		19.6	VtED027H21
K11Y10Q	KC2012	02	19.22906	06	28	04.65	+22	52	11.2		oED027291
K11Y10Q	KC2012	02	19.23656	06	28	04.75	+22	52	11.6		oED027291
K11Y10Q	KC2012	02	19.24406	06	28	04.88	+22	52	12.7		oED027291
K11Y15V	C2012	02	19.58666	12	10	50.85	+09	07	40.5	16.5	VuED027379
K11Y15V	C2012	02	19.58851	12	10	50.98	+09	07	37.9	16.6	VuED027379
K11Y15V	C2012	02	19.59036	12	10	51.10	+09	07	35.6	16.5	VuED027379
K11Y15V	C2012	02	19.59610	12	10	51.46	+09	07	27.5	16.6	VuED027379
K11Y15V	C2012	02	19.60225	12	10	51.82	+09	07	19.2	16.5	VuED027379
K11Y15V	C2012	02	19.60410	12	10	51.94	+09	07	16.8	16.4	VuED027379
K11Y15V	C2012	02	19.60595	12	10	52.08	+09	07	14.5	16.4	VuED027379
K11Y15V	C2012	02	19.60985	12	10	52.32	+09	07	09.1	16.5	VuED027379
K11Y15V	C2012	02	19.61170	12	10	52.44	+09	07	06.7	16.4	VuED027379
K11Y15V	C2012	02	19.61355	12	10	52.55	+09	07	04.2	16.4	VuED027379
K11Y15V	C2012	02	19.61748	12	10	52.78	+09	06	58.8	16.6	VuED027379
K11Y15V	C2012	02	19.61933	12	10	52.90	+09	06	56.1	16.5	VuED027379
K11Y15V	C2012	02	19.62118	12	10	53.02	+09	06	53.4	16.3	VuED027379
K11Y74U	KC2012	02	19.12402	06	08	52.25	-24	05	19.9	17.2	RuED027448
K11Y74U	KC2012	02	19.12721	06	08	50.02	-24	05	57.3	17.2	RuED027448
K11Y74U	KC2012	02	19.13008	06	08	48.05	-24	06	30.8	17.4	RuED027448
K11Y74U	KC2012	02	19.13330	06	08	45.78	-24	07	08.9	17.2	RuED027448
K11Y74U	KC2012	02	19.13653	06	08	43.55	-24	07	47.2	17.4	RuED027448
K12A11A	KC2012	02	19.06627	04	41	15.09	+53	25	25.4	18.5	VvED027H21
K12A11A	KC2012	02	19.07067	04	41	15.41	+53	25	26.7	18.7	VvED027H21
K12A11A	KC2012	02	19.07512	04	41	15.74	+53	25	27.8	18.2	VvED027H21
K12B11K	KC2012	02	19.44399	11	38	56.59	-12	04	59.7		oED027291
K12B11K	IC2012	02	19.44672	11	38	56.90	-12	05	04.8		oED027291
K12B11K	KC2012	02	19.44937	11	38	57.29	-12	05	09.1		oED027291
K12B11N	HC2012	02	19.43544	13	41	20.10	-09	05	38.4		oED027291
K12B11N	HC2012	02	19.43602	13	41	20.46	-09	05	39.8		oED027291
K12B11N	HC2012	02	19.43659	13	41	20.84	-09	05	40.3		oED027291
K12B11N	JC2012	02	19.47336	13	41	44.41	-09	06	32.3	17.8	roED027695
K12B11N	JC2012	02	19.47529	13	41	45.63	-09	06	35.1	17.8	roED027695
K12B11N	JC2012	02	19.47694	13	41	46.72	-09	06	37.5	17.6	roED027695
K12B23S	KC2012	02	19.10287706	14	08.53	+22	39	41.7		19.6	VtED027H21
K12B23S	KC2012	02	19.10841206	14	06.99	+22	39	33.8		20.6	VtED027H21
K12B23S	KC2012	02	19.11524706	14	05.03	+22	39	25.2		20.2	VtED027H21
K12B23T	KC2012	02	17.87764	07	22	56.27	-06	54	56.7	16.1	RcED027A24
K12B23T	KC2012	02	17.89434	07	22	52.08	-06	54	50.0	16.8	RcED027A24
K12B23T	KC2012	02	17.91603	07	22	46.62	-06	54	41.8	16.8	RcED027A24
K12B23T	KC2012	02	17.92810	07	22	43.59	-06	54	37.1	17.3	RcED027A24
K12B23T	KC2012	02	17.92955	07	22	43.21	-06	54	36.7	17.6	RcED027A24
K12B23T	C2012	02	18.19295607	21	39.09	-06	52	47.4		17.8	VtED027H21
K12B23T	C2012	02	18.19576907	21	38.35	-06	52	46.1		17.6	VtED027H21
K12B23T	C2012	02	18.19858407	21	37.63	-06	52	45.2		17.7	VtED027H21
K12B23T	C2012	02	18.20116207	21	36.97	-06	52	44.0		17.7	VtED027H21
K12B23T	C2012	02	18.20374207	21	36.32	-06	52	43.0		17.7	VtED027H21
K12B23T	C2012	02	18.20702407	21	35.49	-06	52	41.8		17.8	VtED027H21

K12B23T	KC2012	02	19.19832	07	17	29.05	-06	45	21.7	17.1	VvED027H21
K12B23T	KC2012	02	19.20283	07	17	27.86	-06	45	19.5	17.0	VvED027H21
K12B23T	KC2012	02	19.20814	07	17	26.46	-06	45	16.9	16.9	VvED027H21
K12B27D	KC2012	02	19.23643009	23	19.18	+69	13	37.1	20.2	RuED027H36	
K12B27D	KC2012	02	19.24647809	23	18.60	+69	14	12.9	20.2	RuED027H36	
K12B27D	KC2012	02	19.25657509	23	18.05	+69	14	48.6	20.6	RuED027H36	
K12B35A	C2012	02	19.16598	08	42	06.44	+19	11	54.6	20.7	VrED027G96
K12B35A	C2012	02	19.17170	08	42	05.97	+19	12	08.0	20.6	VrED027G96
K12B35A	C2012	02	19.17751	08	42	05.54	+19	12	21.4	20.9	VrED027G96
K12B35A	C2012	02	19.18333	08	42	05.11	+19	12	34.7	20.9	VrED027G96
K12B76Z	KC2012	02	19.16446	08	11	36.82	+03	38	27.0	19.0	RuED027448
K12B76Z	KC2012	02	19.19497	08	11	32.96	+03	38	38.2	19.8	RuED027448
K12B76Z	KC2012	02	19.23201	08	11	28.22	+03	38	49.0	20.0	RuED027448
K12B76Z	HC2012	02	19.28499	08	11	21.56	+03	39	05.4		oED027291
K12B76Z	HC2012	02	19.28722	08	11	21.27	+03	39	06.2		oED027291
K12B76Z	HC2012	02	19.28943	08	11	21.02	+03	39	06.7		oED027291
K12B77B	KC2012	02	19.25291	09	16	09.40	+04	19	10.0	19.2	VtED027H21
K12B77B	KC2012	02	19.25629	09	16	09.13	+04	19	17.0	19.5	VtED027H21
K12B77B	KC2012	02	19.26000	09	16	08.81	+04	19	25.3	19.3	VtED027H21
K12B77B	KC2012	02	19.26707	09	16	08.48	+04	19	41.4	19.1	RuED027448
K12B77B	KC2012	02	19.28410	09	16	07.10	+04	20	17.7	19.3	RuED027448
K12B77B	KC2012	02	19.30086	09	16	05.73	+04	20	53.1	19.5	RuED027448
K12B86G	KC2012	02	19.25625	06	50	47.44	+28	37	01.8		oED027291
K12B86G	KC2012	02	19.26013	06	50	47.39	+28	36	50.7		oED027291
K12B86G	KC2012	02	19.26397	06	50	47.36	+28	36	40.2		oED027291
K12BC4C	KC2012	02	17.87221	06	57	53.32	+08	47	20.0	18.6	RcED027A24
K12BC4C	KC2012	02	17.87375	06	57	53.01	+08	47	07.9	18.4	RcED027A24
K12BC4C	KC2012	02	17.89016	06	57	50.20	+08	45	03.5	18.4	RcED027A24
K12BC4C	KC2012	02	17.92337	06	57	44.59	+08	40	53.2	18.6	RcED027A24
K12BC4C	KC2012	02	19.16218	06	54	32.47	+06	08	02.1	19.1	VvED027H21
K12BC4C	KC2012	02	19.17188	06	54	30.92	+06	06	52.2	18.8	VvED027H21
K12BD4J	KC2012	02	18.04201	11	00	16.21	+14	31	01.3	17.9	VvED027I93
K12BD4J	KC2012	02	18.06148	11	00	13.99	+14	31	57.3	17.9	VvED027I93
K12BD4J	KC2012	02	18.08183	11	00	11.68	+14	32	55.5	17.9	VvED027I93
K12C00T	KC2012	02	18.21138208	40	06.76	+23	49	38.0	20.0	VtED027H21	
K12C00T	KC2012	02	18.21785808	40	07.74	+23	49	58.5	19.9	VtED027H21	
K12C00T	KC2012	02	18.22319308	40	08.61	+23	50	14.8	19.9	VtED027H21	
K12C00T	KC2012	02	19.24000	08	42	55.41	+24	41	50.4	20.1	VtED027H21
K12C00T	KC2012	02	19.24407	08	42	56.05	+24	42	02.1	20.1	VtED027H21
K12C00T	KC2012	02	19.24819	08	42	56.66	+24	42	14.6	20.2	VtED027H21
K12C02K	HC2012	02	19.42722	12	22	57.38	+06	09	04.5		oED027291
K12C02K	HC2012	02	19.43000	12	22	57.13	+06	09	03.4		oED027291
K12C02K	HC2012	02	19.43272	12	22	56.82	+06	09	02.0		oED027291
K12C17C	KC2012	02	18.22945209	09	11.44	+33	27	26.1	19.0	VtED027H21	
K12C17C	KC2012	02	18.23462209	09	10.51	+33	27	21.1	19.4	VtED027H21	
K12C17C	KC2012	02	18.23925409	09	09.65	+33	27	16.5	19.3	VtED027H21	
K12C17C	KC2012	02	19.22225	09	06	22.44	+33	10	43.5	19.0	VtED027H21
K12C17C	KC2012	02	19.22862	09	06	21.27	+33	10	36.5	18.9	VtED027H21
K12C17C	KC2012	02	19.23449	09	06	20.21	+33	10	30.4	19.1	VtED027H21
K12C21A	KC2012	02	19.03770	03	05	04.97	+14	17	23.8	20.0	VtED027H21
K12C21A	KC2012	02	19.04711	03	05	04.54	+14	18	13.3	20.2	VtED027H21
K12C21A	KC2012	02	19.05690	03	05	04.11	+14	19	04.7	20.3	VtED027H21
K12C21A	KC2012	02	19.78520	03	04	36.97	+15	23	17.5		uED027J95
K12C21A	KC2012	02	19.79867	03	04	36.38	+15	24	29.5	20.0	RuED027J95
K12C29D	KC2012	02	19.43504	11	58	20.96	+17	55	54.3	18.2	RuED027448
K12C29D	KC2012	02	19.44213	11	58	20.67	+17	56	35.7	18.1	RuED027448
K12C29D	KC2012	02	19.44922	11	58	20.39	+17	57	17.0	17.9	RuED027448
K12C29L	HC2012	02	19.38793	11	15	23.15	+06	59	07.0		oED027291
K12C29L	HC2012	02	19.38922	11	15	23.08	+06	59	02.4		oED027291
K12C29L	HC2012	02	19.39053	11	15	23.11	+06	58	57.7		oED027291
K12C29M	KC2012	02	19.33513	11	37	38.51	+13	54	10.9	20.5	RuED027448

K12C29M	KC2012	02	19.36470	11	37	41.94	+13	54	44.4	20.9	RuED027448
K12C29M	C2012	02	19.39356	11	37	45.46	+13	55	17.0		oED027291
K12C29M	C2012	02	19.39718	11	37	45.88	+13	55	21.4		oED027291
K12C29M	KC2012	02	19.40321	11	37	46.38	+13	55	27.7	20.3	RuED027448
K12C36P	2C2012	02	15.33878006	30	35.443+56	40	28.24			19.5	RoED027568
K12C36P	2C2012	02	15.34003406	30	36.112+56	40	21.61			19.6	RoED027568
K12C36P	2C2012	02	15.34129106	30	36.764+56	40	14.97			19.5	RoED027568
K12C36P	KC2012	02	18.17681606	55	12.12	+52	16	40.1		20.1	VtED027H21
K12C36P	KC2012	02	18.18267906	55	14.81	+52	16	05.1		20.3	VtED027H21
K12C36P	KC2012	02	18.18868706	55	17.55	+52	15	29.2		20.2	VtED027H21
K12C36P	C2012	02	19.18420	07	03	08.06	+50	36	18.8	19.2	VrED027703
K12C36P	C2012	02	19.19264	07	03	11.66	+50	35	27.3	20.3	VrED027703
K12C36P	C2012	02	19.20058	07	03	15.12	+50	34	40.4	19.8	VrED027703
K12C36P	C2012	02	19.20865	07	03	18.61	+50	33	49.2	19.0	VrED027703
K12C36Q	KC2012	02	19.31464	08	10	48.84	+31	46	09.7		oED027291
K12C36Q	KC2012	02	19.31736	08	10	48.16	+31	46	13.2		oED027291
K12C36Q	KC2012	02	19.32008	08	10	47.44	+31	46	16.4		oED027291
K12C45R	C2012	02	19.33506	11	42	50.26	-00	56	37.7	18.7	ced027704
K12C45R	C2012	02	19.34726	11	43	01.18	-00	56	35.7	19.1	ced027704
K12C45R	C2012	02	19.35940	11	43	12.13	-00	56	30.2	19.3	ced027704
K12C45R	tC2012	02	19.36562	11	43	18.74	-00	56	24.9	20.1	VoED027691
K12C45R	C2012	02	19.37166	11	43	23.04	-00	56	27.3	19.6	ced027704
K12C45R	tC2012	02	19.37852	11	43	30.40	-00	56	20.9	20.4	VoED027691
K12C45R	C2012	02	19.38379	11	43	33.97	-00	56	23.5	19.6	ced027704
K12C45R	tC2012	02	19.39141	11	43	42.04	-00	56	16.9	21.3	VoED027691
K12C46N	KC2012	02	19.19910208	58	08.69	+23	18	34.5		22.2	VoED027H21
K12C46N	KC2012	02	19.21403408	58	08.96	+23	18	42.4		22.1	VoED027H21
K12C46N	KC2012	02	19.23178508	58	09.31	+23	18	51.6		22.3	VoED027H21
K12D00P	KC2012	02	19.25030610	46	39.29	+09	33	54.2		22.3	VoED027H21
K12D00P	KC2012	02	19.26629010	46	40.09	+09	33	14.7		22.1	VoED027H21
K12D00P	KC2012	02	19.28454510	46	41.00	+09	32	29.4		22.1	VoED027H21
K12D00X	KC2012	02	19.87771211	36	10.10	+34	55	29.1			uED027J95
K12D00X	KC2012	02	19.87992011	36	17.17	+34	55	23.9			uED027J95
K12D00X	KC2012	02	19.88213911	36	24.31	+34	55	18.6		18.4	RuED027J95
K12D00Y	KC2012	02	19.91769	10	23	17.59	+11	25	29.6		uED027J95
K12D00Y	KC2012	02	19.92119	10	23	22.89	+11	25	41.7		uED027J95
K12D00Y	KC2012	02	19.92480	10	23	28.32	+11	25	53.8	19.0	RuED027J95
K12D00Z	C2012	02	19.53986	10	09	47.16	+09	25	11.4	18.8	RoED027300
K12D00Z	C2012	02	19.54148	10	09	47.99	+09	24	58.8	18.8	RoED027300
K12D00Z	C2012	02	19.54473	10	09	49.64	+09	24	33.4	19.2	RoED027300
K12D00Z	C2012	02	19.54635	10	09	50.47	+09	24	19.8	18.8	RoED027300
K12D00Z	C2012	02	19.55123	10	09	52.88	+09	23	41.4	18.9	RoED027300
K12D00Z	KC2012	02	19.88902	10	13	27.35	+08	32	24.8		uED027J95
K12D00Z	KC2012	02	19.88988	10	13	27.90	+08	32	16.9		uED027J95
K12D00Z	KC2012	02	19.89419	10	13	30.72	+08	31	34.4	18.1	RuED027J95
01036	C2012	02	19.80295	03	53	07.54	-03	10	29.7	13.1	RwED027I99
01036	C2012	02	19.80722	03	53	07.92	-03	10	28.0	13.1	RwED027I99
01036	C2012	02	19.81148	03	53	08.29	-03	10	25.8	13.1	RwED027I99
03103	C2012	02	17.91480	10	05	19.75	+30	14	04.8	15.6	Rced027A24
03103	C2012	02	17.91552	10	05	19.68	+30	14	06.1	15.7	Rced027A24
03103	C2012	02	18.85618	10	03	36.54	+30	41	32.2	16.5	VoED027C77
03103	C2012	02	18.86142	10	03	35.93	+30	41	41.3	16.3	VoED027C77
03103	C2012	02	18.86565	10	03	35.48	+30	41	48.6	16.6	VoED027C77
03103	C2012	02	18.86987	10	03	34.98	+30	41	55.7	16.0	VoED027C77
03103	C2012	02	18.88689	10	03	33.05	+30	42	25.7	15.8	VoED027C77
03103	C2012	02	18.89111	10	03	32.58	+30	42	32.9	15.7	VoED027C77
03103	C2012	02	19.56002	10	02	19.68	+31	01	27.0	15.7	VuED027379
03103	C2012	02	19.57245	10	02	18.25	+31	01	48.4	16.0	VuED027379
03103	C2012	02	19.57431	10	02	18.03	+31	01	51.2	15.9	VuED027379
03352	C2012	02	19.39630	13	45	48.07	+02	27	51.9	16.2	ced027704
03352	C2012	02	19.40872	13	45	48.67	+02	27	55.8	16.5	ced027704

03352	C2012	02	19.42088	13	45	49.21	+02	28	00.4	16.2	ced027704
03352	C2012	02	19.43308	13	45	49.77	+02	28	04.2	16.3	ced027704
03352	C2012	02	19.44567	13	45	50.34	+02	28	08.3	16.0	ced027704
04055	C2012	02	19.28034	10	46	50.74	+01	42	43.9	17.3	ced027704
04055	C2012	02	19.29265	10	46	49.93	+01	42	55.5	17.4	ced027704
04055	C2012	02	19.30481	10	46	49.13	+01	43	06.5	17.3	ced027704
04055	C2012	02	19.31706	10	46	48.31	+01	43	17.8	17.5	ced027704
04055	C2012	02	19.32922	10	46	47.51	+01	43	29.1	17.5	ced027704
04503	C2012	02	19.14183	01	58	06.38	+12	55	51.5	18.8	VrED027G96
04503	C2012	02	19.14707	01	58	07.10	+12	55	55.8	18.9	VrED027G96
04503	C2012	02	19.15228	01	58	07.78	+12	56	00.1	18.9	VrED027G96
04503	C2012	02	19.15755	01	58	08.50	+12	56	04.3	19.0	VrED027G96
06050	C2012	02	17.90257	09	18	06.38	+24	31	04.0	17.4	Rced027A24
06050	C2012	02	17.90330	09	18	06.34	+24	31	04.0	17.5	Rced027A24
21088	C2012	02	17.86722	06	40	18.54	+19	26	29.5	17.4	Rced027A24
21088	C2012	02	17.86794	06	40	18.49	+19	26	28.9	17.3	Rced027A24
21088	C2012	02	17.91839	06	40	16.02	+19	25	42.5	17.5	Rced027A24
21088	C2012	02	17.91911	06	40	16.01	+19	25	42.4	17.6	Rced027A24
21277	C2012	02	19.33491	11	35	11.65	-01	01	48.5	18.6	ced027704
21277	C2012	02	19.34711	11	35	10.88	-01	01	33.9	18.5	ced027704
21277	C2012	02	19.35925	11	35	10.10	-01	01	19.0	18.7	ced027704
21277	C2012	02	19.37151	11	35	09.26	-01	01	03.2	18.5	ced027704
21277	C2012	02	19.38364	11	35	08.55	-01	00	49.6	18.8	ced027704
29075	KC2012	02	19.08292	05	35	43.79	+46	15	40.6	18.0	Vved027H21
29075	KC2012	02	19.08648	05	35	43.46	+46	15	36.0	17.9	Vved027H21
29075	KC2012	02	19.09065	05	35	43.06	+46	15	30.6	17.9	Vved027H21
29075	KC2012	02	19.09417	05	35	42.74	+46	15	26.1	17.9	Vved027H21
29075	KC2012	02	19.09773	05	35	42.39	+46	15	21.6	18.0	Vved027H21
32906	C2012	02	17.88637	08	05	57.32	+33	02	40.7	16.7	Rced027A24
32906	C2012	02	17.88710	08	05	57.29	+33	02	39.1	16.9	Rced027A24
32906	KC2012	02	19.84880	08	05	05.19	+32	03	17.6	16.7	RoED027J16
32906	KC2012	02	19.85812	08	05	04.93	+32	03	01.4	16.3	RoED027J16
32906	KC2012	02	19.86463	08	05	04.71	+32	02	49.5	16.7	RoED027J16
66251	C2012	02	19.21622	08	12	24.32	-00	16	51.7	18.7	ced027704
66251	C2012	02	19.22867	08	12	23.55	-00	16	40.4	18.7	ced027704
66251	C2012	02	19.26512	08	12	21.33	-00	16	09.2	18.7	ced027704
68267	KC2012	02	19.47482	13	11	01.00	+16	47	52.4	19.9	RuED027448
68267	KC2012	02	19.49534	13	10	59.45	+16	47	55.2	20.0	RuED027448
68267	KC2012	02	19.51651	13	10	57.90	+16	47	58.0	20.2	RuED027448
85628	C2012	02	19.46995	16	00	28.95	-00	10	36.3	19.1	ced027704
85628	C2012	02	19.48216	16	00	30.14	-00	10	40.9	19.0	ced027704
85628	C2012	02	19.49434	16	00	31.28	-00	10	45.1	19.2	ced027704
85628	C2012	02	19.50657	16	00	32.51	-00	10	50.1	19.2	ced027704
85839	KC2012	02	17.86913	06	53	09.09	+41	44	02.7	17.6	Rced027A24
85839	KC2012	02	17.87057	06	53	09.01	+41	44	02.0	17.5	Rced027A24
85839	KC2012	02	17.88702	06	53	08.27	+41	43	54.0	17.6	Rced027A24
85839	KC2012	02	17.90383	06	53	07.52	+41	43	45.8	17.7	Rced027A24
85839	KC2012	02	17.92029	06	53	06.79	+41	43	37.8	17.3	Rced027A24
96631	C2012	02	19.30132	10	22	18.12	+12	48	38.4	20.4	VrED027703
96631	C2012	02	19.30950	10	22	17.40	+12	48	40.6	20.1	VrED027703
96631	C2012	02	19.31772	10	22	16.75	+12	48	44.6	19.7	VrED027703
96631	C2012	02	19.32642	10	22	15.99	+12	48	49.3	20.2	VrED027703
A1873	C2012	02	17.91634	10	12	18.06	+47	44	03.5	17.4	Rced027A24
A1873	C2012	02	17.91706	10	12	17.97	+47	44	05.3	17.4	Rced027A24
A1873	KC2012	02	19.89804	10	08	53.76	+48	55	51.3	17.6	RoED027J16
A1873	KC2012	02	19.90504	10	08	53.06	+48	56	05.7	17.4	RoED027J16
D7925	C2012	02	19.22971	10	44	05.96	+34	15	15.8	17.0	VrED027703
D7925	C2012	02	19.23826	10	44	04.56	+34	15	38.0	17.5	VrED027703
D7925	C2012	02	19.25524	10	44	01.60	+34	16	20.7	17.4	VrED027703
D8013	KC2012	02	17.88372	07	57	38.31	+00	42	55.5	17.7	Rced027A24
D8013	KC2012	02	17.88516	07	57	38.33	+00	42	56.6	18.2	Rced027A24

D8013	C2012	02	19.21469	07	56	05.42	+00	56	39.9	18.6	ced027704
D8013	C2012	02	19.22713	07	56	04.56	+00	56	47.0	18.9	ced027704
D8013	C2012	02	19.23929	07	56	03.66	+00	56	55.5	19.0	ced027704
D8013	C2012	02	19.25150	07	56	02.78	+00	57	02.9	18.8	ced027704
D8013	C2012	02	19.26360	07	56	01.95	+00	57	10.2	18.8	ced027704
D8524	C2012	02	17.88795	08	14	05.73	+04	33	12.1	17.2	Rced027A24
D8524	C2012	02	17.88867	08	14	05.74	+04	33	11.7	16.8	Rced027A24
E1018	C2012	02	17.90107	09	16	17.87	+34	06	45.1	16.0	Rced027A24
E1018	C2012	02	17.90179	09	16	17.84	+34	06	46.2	16.0	Rced027A24
E1018	KC2012	02	19.87369	09	15	45.30	+34	55	44.8	15.7	RoED027J16
E1018	KC2012	02	19.88062	09	15	45.11	+34	55	55.1	15.5	RoED027J16
E1018	KC2012	02	19.88757	09	15	44.91	+34	56	06.3	15.5	RoED027J16
E2348	KC2012	02	17.90443	09	19	25.60	+28	09	52.6	17.8	Rced027A24
E2348	KC2012	02	17.90587	09	19	25.52	+28	09	53.1	18.0	Rced027A24
E2348	C2012	02	19.29545	09	18	19.62	+28	13	03.8	18.5	VrED027G96
E2348	C2012	02	19.30125	09	18	19.29	+28	13	04.5	18.5	VrED027G96
E2348	C2012	02	19.30704	09	18	19.00	+28	13	05.1	18.5	VrED027G96
E2348	C2012	02	19.31282	09	18	18.72	+28	13	05.7	18.6	VrED027G96
E3651	KC2012	02	17.88990	08	21	09.43	+42	16	49.6	17.5	Rced027A24
E3651	KC2012	02	17.89134	08	21	09.25	+42	16	50.0	18.0	Rced027A24
F3951	C2012	02	17.89258	08	29	31.41	+06	04	24.9	17.3	Rced027A24
F3951	C2012	02	17.89330	08	29	31.34	+06	04	22.1	17.4	Rced027A24
F4269	KC2012	02	17.88064	07	43	33.23	+51	21	36.8	18.5	Rced027A24
F4269	KC2012	02	17.88208	07	43	33.03	+51	21	36.4	18.5	Rced027A24
F4269	KC2012	02	17.89400	07	43	31.14	+51	21	29.6	19.0	Rced027A24
F4269	KC2012	02	17.93122	07	43	25.28	+51	21	08.3	18.8	Rced027A24
F4269	KC2012	02	17.93266	07	43	25.10	+51	21	08.3	18.6	Rced027A24
F4269	C2012	02	19.18250	07	40	19.05	+51	08	59.7	18.9	VrED027703
F4269	C2012	02	19.19094	07	40	17.90	+51	08	53.3	19.3	VrED027703
F4269	C2012	02	19.20691	07	40	15.31	+51	08	43.1	19.3	VrED027703
G2038	KC2012	02	17.90742	09	25	06.26	+04	51	15.5	18.1	Rced027A24
G2038	KC2012	02	17.90887	09	25	06.11	+04	51	14.9	18.6	Rced027A24
G2186	C2012	02	17.87498	07	04	18.28	+27	47	37.3	16.7	Rced027A24
G2186	C2012	02	17.87570	07	04	18.20	+27	47	36.6	16.8	Rced027A24
G2186	C2012	02	17.92615	07	04	13.29	+27	46	40.7	16.7	Rced027A24
G2186	C2012	02	17.92688	07	04	13.20	+27	46	39.9	16.5	Rced027A24
G2186	KC2012	02	19.82422	07	01	20.38	+27	11	21.1	17.0	RoED027J16
G2186	KC2012	02	19.83406	07	01	19.51	+27	11	10.1	16.7	RoED027J16
G2186	KC2012	02	19.84122	07	01	18.87	+27	11	02.1	16.7	RoED027J16
G3000	C2012	02	17.91330	09	56	25.42	+22	50	25.3	17.7	Rced027A24
G3000	C2012	02	17.91402	09	56	25.34	+22	50	24.8	17.1	Rced027A24
K9924	C2012	02	19.09514	04	12	51.77	-00	58	36.1	17.0	ced027704
K9924	C2012	02	19.10756	04	12	54.33	-00	59	04.4	17.1	ced027704
K9924	C2012	02	19.11970	04	12	56.80	-00	59	32.2	17.3	ced027704
K9924	C2012	02	19.13165	04	12	59.23	-00	59	58.5	17.1	ced027704
K9924	C2012	02	19.14370	04	13	01.68	-01	00	26.0	17.1	ced027704
K9924	KC2012	02	19.82160	04	15	23.96	-01	25	43.6	16.1	RwED027I99
K9924	KC2012	02	19.82290	04	15	24.30	-01	25	46.3	15.9	RwED027I99
K9924	KC2012	02	19.82419	04	15	24.47	-01	25	48.8	15.9	RwED027I99
Q3976	C2012	02	19.42039	14	44	09.99	+44	21	50.7	17.2	VrED027703
Q3976	C2012	02	19.42606	14	44	09.24	+44	22	05.2	17.2	VrED027703
Q3976	C2012	02	19.43182	14	44	08.52	+44	22	19.5	17.1	VrED027703
Q3976	C2012	02	19.43754	14	44	07.76	+44	22	34.2	17.2	VrED027703
R5558	C2012	02	17.91002	09	34	09.52	-02	40	54.5	17.1	Rced027A24
R5558	C2012	02	17.91074	09	34	09.51	-02	40	54.3	17.0	Rced027A24
R6049	C2012	02	19.32361	11	37	38.26	+05	58	59.3	19.6	VoED027691
R6049	C2012	02	19.33650	11	37	37.41	+05	59	15.3	19.6	VoED027691
R6049	C2012	02	19.34940	11	37	36.47	+05	59	33.8	19.8	VoED027691
V1554	C2012	02	19.15026	05	14	59.10	+03	24	05.5	19.6	ced027704
V1554	C2012	02	19.16254	05	14	58.64	+03	24	55.5	19.0	ced027704
V1554	C2012	02	19.17473	05	14	58.06	+03	25	43.6	19.2	ced027704

V1554	C2012	02	19.18708	05	14	57.59	+03	26	32.4	19.1	cED027704
V1554	C2012	02	19.19916	05	14	57.04	+03	27	20.1	19.1	cED027704
V3548	KC2012	02	17.89845	08	52	08.78	+19	00	50.7	18.6	RcED027A24
V3548	KC2012	02	17.89990	08	52	08.61	+19	00	46.3	18.7	RcED027A24
V3552	C2012	02	19.16767	08	35	38.76	+18	16	56.4	20.6	VrED027G96
V3552	C2012	02	19.17340	08	35	38.25	+18	17	02.7	20.6	VrED027G96
V3552	C2012	02	19.17927	08	35	37.68	+18	17	09.7	20.4	VrED027G96
V3552	C2012	02	19.18508	08	35	37.10	+18	17	16.1	20.9	VrED027G96

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