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## MPEC 2013-X38 : DAILY ORBIT UPDATE (2013 DEC. 7 UT)

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M.P.E.C. 2013-X38

Issued 2013 Dec. 7, 17:32 UT

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Prepared using the [Tamkin Foundation Computer Network](#)

MPC@CFA.HARVARD.EDU  
URL <http://www.minorplanetcenter.net/> ISSN 1523-6714

DAILY ORBIT UPDATE (2013 DEC. 7 UT)

Update to [MPEC 2013-X28](#)

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

## New identification:

K04R10E	K13X030	MPCW
K10A80Z	K13WA7R	MPCW

## New double designation:

K13V20J	K13V17P	MPCW
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## New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J94R03F	17.8	0.15	K13B4	79.577	11.398	324.316	2.025	0.23198	2.38116	5	X
J95O05H	18.0	0.15	K13B4	7.821	256.464	140.516	3.299	0.21114	2.32062	4	X
J95Y04Q	15.8	0.15	K13B4	75.105	278.466	67.490	13.457	0.28343	2.68174	6	X
J96A15Z	17.3	0.15	K13B4	123.792	181.352	107.987	9.126	0.11882	2.39591	6	X
J96T45J	17.0	0.15	K13B4	355.212	321.494	111.566	4.780	0.17903	2.59212	4	X
J97W23Q	20.7	0.15	K13B4	13.683	296.463	55.900	2.448	0.49459	1.73690	3	X
J98D00L	15.5	0.15	K13B4	271.721	24.076	132.061	22.634	0.05999	3.17166	5	X
J98S77Z	16.6	0.15	K13B4	22.439	195.190	185.244	7.830	0.32485	2.88109	4	X
J98T03L	16.7	0.15	K13B4	33.469	180.471	188.985	11.957	0.26054	2.39117	5	X
J99F73D	17.8	0.15	K13B4	298.761	10.576	154.122	2.833	0.14262	2.45930	5	X
J99R58Q	16.2	0.15	K13B4	36.818	63.184	322.820	12.233	0.23150	2.70419	5	X
J99R99W	16.2	0.15	K13B4	0.836	154.514	234.752	11.347	0.30354	2.77915	2	X
J99S28U	18.1	0.15	K13B4	342.656	109.784	352.958	7.837	0.06189	2.23559	5	X
J99T78S	17.3	0.15	K13B4	21.601	202.814	171.990	2.221	0.25602	2.76489	4	X
J99TN9O	16.1	0.15	K13B4	47.320	333.730	46.859	13.530	0.18625	2.72692	5	X
J99U09X	16.0	0.15	K13B4	18.573	141.021	263.145	22.253	0.26739	2.28442	5	X
J99U60R	16.4	0.15	K13B4	30.503	68.765	309.225	13.754	0.36130	2.76174	5	X
K00B20X	17.3	0.15	K13B4	5.547	296.047	133.737	5.311	0.20674	2.32330	7	X
K00J78O	17.7	0.15	K13B4	63.671	349.664	310.599	7.335	0.43780	2.15148	7	X
K00O56W	16.4	0.15	K13B4	29.073	22.626	324.029	13.994	0.26687	2.61687	3	X
K00P09B	16.1	0.15	K13B4	81.593	304.498	32.288	12.719	0.30305	2.54532	7	X

K00Q34B	17.0	0.15	K13B4	69.222	29.705	326.030	14.966	0.17129	2.55170	5 X
K00Q82K	17.1	0.15	K13B4	66.603	172.991	182.355	3.540	0.24980	2.56550	6 X
K00QJ5D	17.0	0.15	K13B4	64.310	269.547	83.302	4.096	0.23082	2.56230	6 X
K00SA0R	17.3	0.15	K13B4	11.504	61.309	310.270	6.760	0.36204	2.65938	3 X
K00SF7N	16.3	0.15	K13B4	13.305	65.216	344.516	10.090	0.26290	2.61126	4 X
K00S02P	16.5	0.15	K13B4	26.713	10.693	8.341	14.968	0.27291	2.60791	4 X
K00SS4H	17.2	0.15	K13B4	51.724	115.936	225.075	11.610	0.28114	2.61401	4 X
K00ST5D	16.0	0.15	K13B4	37.084	146.318	241.888	13.034	0.29015	2.62292	5 X
K00SV7Z	16.4	0.15	K13B4	21.056	102.360	254.717	10.089	0.32129	2.64427	5 X
K00V58F	16.2	0.15	K13B4	58.396	102.469	243.821	9.982	0.28681	2.62833	4 X
K00WD4M	16.6	0.15	K13B4	7.515	39.895	33.144	13.463	0.13516	2.61784	4 X
K00WH2C	16.5	0.15	K13B4	333.003	7.264	93.757	16.983	0.24814	2.64428	4 X
K00WH2J	16.5	0.15	K13B4	10.581	282.083	122.966	12.291	0.30361	2.64394	4 X
K00Y27D	15.7	0.15	K13B4	314.156	229.471	283.580	25.697	0.07910	2.65252	4 X
K00YD3X	17.9	0.15	K13B4	304.595	186.737	295.274	18.994	0.05716	1.90724	2 X
K01A25O	16.3	0.15	K13B4	301.541	86.428	88.338	28.277	0.36490	2.67410	5 X
K01B07E	16.1	0.15	K13B4	318.417	345.285	137.834	15.712	0.14236	2.69601	6 X
K01B15Y	18.9	0.15	K13B4	328.852	49.270	125.374	32.374	0.51607	2.65713	3 X
K01O66X	16.2	0.15	K13B4	77.691	30.307	314.822	14.143	0.16045	2.41344	5 X
K01Q47P	15.7	0.15	K13B4	60.502	36.853	323.057	16.572	0.21322	3.10552	4 X
K01QX0N	15.7	0.15	K13B4	52.483	93.361	269.802	7.981	0.31635	3.19533	4 X
K01R56F	16.1	0.15	K13B4	59.492	252.629	115.723	4.552	0.20916	3.11991	6 X
K01RC7J	16.5	0.15	K13B4	101.550	309.605	6.338	11.972	0.27959	2.42071	4 X
K01SA3O	16.1	0.15	K13B4	101.690	333.453	355.800	11.041	0.21278	3.09775	4 X
K01SU2C	15.6	0.15	K13B4	167.609	252.378	354.612	9.487	0.03997	3.15976	5 X
K01T16Y	15.4	0.15	K13B4	5.527	61.289	7.351	21.413	0.21607	3.20368	5 X
K01T57Z	17.4	0.15	K13B4	46.620	46.291	309.633	0.905	0.24496	2.48031	4 X
K01T93C	16.8	0.15	K13B4	5.265	80.956	352.272	7.856	0.21176	2.46948	3 X
K01V64Q	16.6	0.15	K13B4	352.114	222.185	247.670	14.909	0.38158	3.24903	3 X
K01W45W	17.0	0.15	K13B4	79.597	314.243	25.088	2.647	0.20553	2.47882	7 X
K01X53Z	17.5	0.15	K13B4	358.544	263.171	155.556	6.637	0.19902	2.52471	2 X
K01XI0F	16.6	0.15	K13B4	348.233	225.132	227.794	3.713	0.23044	2.52606	4 X
K01YA6B	17.0	0.15	K13B4	339.332	352.033	110.674	6.203	0.18791	2.53116	6 X
K01YD8T	17.8	0.15	K13B4	354.521	331.451	107.267	6.025	0.21721	2.54129	4 X
K02A50K	16.6	0.15	K13B4	10.500	280.105	125.583	5.254	0.30668	2.54383	5 X
K02AC6Y	17.7	0.15	K13B4	355.076	265.093	149.017	3.212	0.21557	2.56560	4 X
K02AE2W	17.1	0.15	K13B4	306.066	211.501	277.224	1.580	0.07846	2.55623	6 X
K02AH7E	17.3	0.15	K13B4	337.466	127.738	322.496	4.414	0.28183	2.55749	4 X
K02D18V	16.7	0.15	K13B4	309.386	116.141	41.390	13.125	0.23052	2.54496	4 X
K02G40U	17.3	0.15	K13B4	228.091	196.228	352.119	5.109	0.04080	2.16828	5 X
K02G71G	16.7	0.15	K13B4	312.936	101.410	44.340	12.650	0.13669	2.60309	4 X
K02G74A	16.6	0.15	K13B4	277.441	142.497	30.775	12.386	0.13386	2.63817	5 X
K02GA6A	16.1	0.15	K13B4	253.223	163.760	52.006	14.746	0.18844	2.61719	6 X
K02J06N	16.6	0.15	K13B4	178.373	151.006	98.919	10.805	0.12970	2.75076	4 X
K02N71M	17.9	0.15	K13B4	9.878	113.278	283.313	21.002	0.30158	2.31856	4 X
K02N77D	17.7	0.15	K13B4	75.290	328.879	354.888	7.040	0.14679	2.29740	4 X
K02P00W	15.6	0.15	K13B4	15.813	117.584	249.930	20.218	0.31955	3.05766	2 X
K02P87Z	16.3	0.15	K13B4	44.781	199.005	160.108	7.869	0.23492	2.98720	6 X
K02PB3B	17.8	0.15	K13B4	116.201	345.339	319.095	18.109	0.07430	1.90676	4 X
K02PK1T	16.0	0.15	K13B4	64.726	121.678	234.938	9.788	0.14010	2.91392	8 X
K02QB8W	18.1	0.15	K13B4	58.979	220.579	132.628	7.238	0.13389	2.29345	5 X
K02QF0W	15.9	0.15	K13B4	16.208	210.128	171.132	13.792	0.20961	3.02038	4 X
K02R23G	17.4	0.15	K13B4	63.062	319.632	338.881	3.149	0.20289	2.35434	6 X
K02RF7F	16.7	0.15	K13B4	20.640	103.200	251.849	2.669	0.20259	3.08004	3 X
K02RI8C	17.6	0.15	K13B4	77.431	355.504	358.181	6.775	0.14255	2.28777	5 X
K02RJ3P	16.0	0.15	K13B4	34.357	36.807	356.751	7.359	0.20484	2.96636	8 X
K02RM7S	16.1	0.15	K13B4	342.863	246.508	192.122	10.452	0.13313	2.99630	5 X
K02S03S	18.1	0.15	K13B4	34.932	7.359	20.126	5.536	0.21584	2.32245	4 X
K02T17D	17.0	0.15	K13B4	54.725	2.029	2.025	8.456	0.13659	2.31744	5 X
K02T24U	15.9	0.15	K13B4	11.838	38.288	18.276	11.765	0.21464	3.02649	5 X
K02T69G	18.3	0.15	K13B4	32.850	176.859	201.422	23.256	0.09099	1.93917	4 X
K02T85V	15.9	0.15	K13B4	74.015	138.187	208.548	9.948	0.09623	2.98543	6 X
K02T88S	17.4	0.15	K13B4	20.217	53.204	325.655	4.698	0.18966	2.35951	5 X
K02TC6T	17.5	0.15	K13B4	358.646	345.917	54.794	6.877	0.23827	2.36063	3 X
K02TD3Y	16.1	0.15	K13B4	16.980	55.132	317.839	7.591	0.21540	3.07706	4 X
K02TG3P	16.1	0.15	K13B4	13.505	272.028	113.790	14.972	0.18134	3.09757	5 X
K02TG7U	15.9	0.15	K13B4	17.224	149.001	221.377	18.511	0.26315	3.07239	3 X
K02TJ1F	15.8	0.15	K13B4	43.173	104.613	258.642	13.720	0.24029	3.00794	3 X
K02TL6F	15.5	0.15	K13B4	349.124	345.016	99.464	16.130	0.29394	3.07740	5 X
K02TL8Z	15.6	0.15	K13B4	38.896	164.934	239.988	8.894	0.10035	2.95250	5 X
K02TM1F	15.7	0.15	K13B4	14.362	165.249	229.451	18.290	0.23181	3.05005	4 X
K02TM4H	18.3	0.15	K13B4	359.484	228.901	210.120	9.707	0.22795	1.94068	5 X
K02TO6G	15.9	0.15	K13B4	328.648	36.044	39.903	22.749	0.16822	3.10421	2 X
K02TQ3A	15.9	0.15	K13B4	359.861	29.253	24.474	10.980	0.14656	3.06459	3 X
K02TS7L	16.2	0.15	K13B4	97.715	321.891	6.519	7.600	0.23153	2.31597	5 X
K02U13C	17.3	0.15	K13B4	23.686	172.319	223.824	4.604	0.22921	2.33255	4 X
K02U44Q	16.0	0.15	K13B4	39.782	311.417	71.707	14.016	0.24859	3.07214	6 X
K02V09U	16.6	0.15	K13B4	29.718	154.675	246.995	9.355	0.09673	2.33680	4 X
K02V14E	17.5	0.15	K13B4	23.507	123.387	251.263	17.385	0.09072	1.96560	3 X
K02V14M	17.2	0.15	K13B4	186.599	210.739	36.580	23.029	0.06027	1.93356	5 X
K02V15S	16.0	0.15	K13B4	343.234	197.253	219.939	10.232	0.20111	3.12197	3 X
K02V25L	17.2	0.15	K13B4	9.826	16.721	40.786	7.569	0.09056	2.34937	5 X
K02VB8J	17.5	0.15	K13B4	293.162	247.481	230.231	19.769	0.07214	1.96741	5 X
K02VE6R	16.0	0.15	K13B4	68.006	319.862	48.957	13.153	0.10420	3.01483	5 X
K02VE8G	18.1	0.15	K13B4	22.640	17.887	25.650	5.352	0.22796	2.34608	4 X
K02W07A	18.0	0.15	K13B4	325.257	216.819	224.127	1.280	0.17787	2.40108	5 X
K02W21U	16.1	0.15	K13B4	336.448	50.184	69.792	18.874	0.19278	3.05768	3 X

K02W25P	15.8	0.15	K13B4	28.547	163.893	242.081	9.728	0.05186	3.06133	5 X
K02X31G	17.7	0.15	K13B4	15.651	318.305	67.260	24.466	0.18581	2.39041	2 X
K02X34P	17.0	0.15	K13B4	69.391	332.827	10.309	9.120	0.28136	2.33305	4 X
K02X66O	17.7	0.15	K13B4	33.385	122.108	258.536	3.677	0.24214	2.36373	6 X
K02X78K	15.8	0.15	K13B4	356.047	23.973	76.574	12.080	0.22713	3.09439	5 X
K02X82H	15.7	0.15	K13B4	345.896	179.472	287.510	17.751	0.28820	3.11819	5 X
K02XB5Z	15.8	0.15	K13B4	354.748	320.881	103.126	13.314	0.11233	3.14058	5 X
K02Y07D	14.7	0.15	K13B4	309.132	205.855	311.947	15.669	0.16557	3.15986	7 X
K03A53G	16.0	0.15	K13B4	348.999	355.924	109.569	16.888	0.23306	3.13574	3 X
K03A87N	15.7	0.15	K13B4	351.155	189.409	276.562	16.424	0.18652	3.13418	4 X
K03B07N	15.7	0.15	K13B4	0.574	310.786	146.017	17.946	0.36255	3.06239	6 X
K03B23C	16.1	0.15	K13B4	323.027	258.679	266.390	14.281	0.33663	3.13880	4 X
K03C00X	15.7	0.15	K13B4	291.049	211.445	322.804	17.157	0.17457	3.20379	5 X
K03C26M	16.5	0.15	K13B4	334.300	82.494	44.021	8.106	0.14903	3.17032	5 X
K03E47L	17.4	0.15	K13B4	307.415	264.677	304.812	17.950	0.08345	1.93235	6 X
K03F75O	17.0	0.15	K13B4	346.206	240.601	241.699	5.882	0.21201	2.39335	7 X
K03S07X	16.4	0.15	K13B4	71.002	143.189	191.876	8.852	0.18988	2.81651	5 X
K03S75W	17.0	0.15	K13B4	7.133	4.587	6.348	7.604	0.28459	2.91421	3 X
K03SQ5K	17.1	0.15	K13B4	57.481	173.405	212.137	5.747	0.06946	2.74783	5 X
K03SS5C	16.5	0.15	K13B4	76.923	137.695	193.174	20.438	0.19631	2.80627	5 X
K03SX2F	16.5	0.15	K13B4	11.459	19.415	37.658	9.029	0.33622	2.84554	4 X
K03SZ0Q	16.5	0.15	K13B4	294.535	225.846	276.154	3.378	0.06550	2.76376	7 X
K03Sb1Y	17.6	0.15	K13B4	352.954	262.607	194.363	3.791	0.18022	2.76766	4 X
K03Sb5A	17.2	0.15	K13B4	18.641	227.086	180.632	6.766	0.07758	2.79425	6 X
K03Sc4M	16.9	0.15	K13B4	269.226	161.144	26.182	9.526	0.04030	2.72640	5 X
K03Sf5R	17.1	0.15	K13B4	45.987	321.679	26.297	9.590	0.19160	2.85688	3 X
K03T18X	17.6	0.15	K13B4	110.928	301.785	357.543	3.686	0.16530	2.17353	6 X
K03T35C	17.1	0.15	K13B4	42.005	145.579	225.108	11.362	0.14114	2.85080	4 X
K03U83R	17.4	0.15	K13B4	12.750	137.326	261.439	4.748	0.21003	2.21398	3 X
K03UD0E	15.7	0.15	K13B4	16.331	166.393	255.020	14.197	0.12116	2.85169	4 X
K03UE4C	16.6	0.15	K13B4	50.698	336.973	34.522	8.540	0.26480	2.84702	4 X
K03UI4M	17.6	0.15	K13B4	12.804	139.472	232.186	7.030	0.13617	2.24343	3 X
K03UL0D	17.7	0.15	K13B4	53.442	320.649	21.861	3.879	0.26082	2.21111	3 X
K03UN0V	18.0	0.15	K13B4	45.395	126.893	238.427	6.410	0.22115	2.21000	6 X
K03UP2J	15.9	0.15	K13B4	358.509	37.237	47.645	13.920	0.17287	2.87577	5 X
K03UT5B	16.7	0.15	K13B4	72.254	27.702	321.597	3.154	0.07306	2.81427	5 X
K03UV6A	18.0	0.15	K13B4	8.651	273.850	133.345	5.691	0.19672	2.22302	5 X
K03UX3B	16.9	0.15	K13B4	217.151	236.978	354.508	11.414	0.05366	2.71590	4 X
K03Ub9T	17.3	0.15	K13B4	208.228	188.637	36.900	6.079	0.05416	2.77286	6 X
K03V11E	15.9	0.15	K13B4	359.787	36.773	48.329	15.735	0.11954	2.85533	4 X
K03W21T	16.4	0.15	K13B4	70.070	103.175	241.515	38.872	0.24939	2.19336	3 X
K03YI1G	16.2	0.15	K13B4	338.111	315.608	118.270	10.685	0.16699	3.03800	4 X
K04A08F	18.1	0.15	K13B4	328.444	314.028	126.714	24.408	0.07908	1.87330	4 X
K04B96G	15.8	0.15	K13B4	295.300	180.653	304.427	10.426	0.05177	3.07630	3 X
K04B97Y	16.1	0.15	K13B4	248.321	240.139	342.073	16.420	0.21529	3.09380	5 X
K04B99S	16.5	0.15	K13B4	311.680	13.164	123.388	6.736	0.21963	3.06390	4 X
K04C14M	15.9	0.15	K13B4	216.091	226.875	334.192	8.842	0.02542	3.11247	6 X
K04C39T	15.6	0.15	K13B4	285.564	20.057	159.489	20.556	0.31541	3.06553	5 X
K04C51O	17.9	0.15	K13B4	256.568	212.405	315.318	18.940	0.05888	1.88107	5 X
K04C59U	16.0	0.15	K13B4	323.553	63.441	56.528	7.795	0.17299	3.02304	4 X
K04C89L	17.9	0.15	K13B4	19.898	332.568	77.952	3.653	0.14347	2.26250	5 X
K04E13X	15.9	0.15	K13B4	288.537	349.236	167.862	17.520	0.14364	3.11196	6 X
K04E65M	15.6	0.15	K13B4	292.870	83.576	74.642	16.383	0.17495	3.08789	4 X
K04E82L	16.3	0.15	K13B4	335.730	53.698	86.875	16.212	0.33600	2.99396	4 X
K04F30A	16.9	0.15	K13B4	280.381	132.705	38.690	23.598	0.14978	2.29027	4 X
K04H44L	17.2	0.15	K13B4	191.952	97.007	138.372	5.353	0.15709	2.38927	6 X
K04K13B	17.6	0.15	K13B4	233.460	102.450	78.850	23.667	0.06609	1.94439	4 X
K04L05W	18.2	0.15	K13B4	276.397	34.995	111.049	23.580	0.08204	1.93597	5 X
K04N22L	16.4	0.15	K13B4	101.275	273.707	36.716	4.507	0.17137	2.52845	6 X
K04O09O	16.6	0.15	K13B4	80.424	320.854	2.595	3.361	0.22332	2.56291	6 X
K04Q13A	17.4	0.15	K13B4	23.740	304.838	43.719	6.796	0.30269	2.68491	3 X
K04R10E	17.1	0.15	K13B4	30.215	276.774	102.417	8.659	0.39988	2.65908	3 X
K04R16H	16.9	0.15	K13B4	27.267	211.210	168.597	15.786	0.19897	2.63425	4 X
K04R65E	16.9	0.15	K13B4	56.118	1.843	3.264	7.314	0.20353	2.60653	5 X
K04R71A	17.2	0.15	K13B4	73.525	18.011	313.270	8.068	0.11033	2.61158	6 X
K04RA3S	17.0	0.15	K13B4	52.807	11.490	312.274	6.280	0.30948	2.66671	3 X
K04RG8F	16.9	0.15	K13B4	78.602	114.635	207.490	6.991	0.19964	2.59392	5 X
K04RI7Z	16.2	0.15	K13B4	356.107	229.121	207.142	13.483	0.24799	2.64187	5 X
K04RJ9K	16.3	0.15	K13B4	56.795	5.284	355.069	13.062	0.29439	2.64575	4 X
K04RK8G	17.2	0.15	K13B4	62.528	59.766	309.020	14.828	0.08680	2.00973	4 X
K04RK9K	16.6	0.15	K13B4	70.509	112.024	217.179	10.659	0.26282	2.60903	4 X
K04RL6G	16.5	0.15	K13B4	55.848	50.270	306.271	10.242	0.17920	2.63220	5 X
K04RL7W	16.1	0.15	K13B4	67.767	115.433	251.563	10.289	0.14387	2.59949	5 X
K04RL9X	17.4	0.15	K13B4	30.802	99.123	266.622	11.700	0.33602	2.68329	3 X
K04RM0U	16.3	0.15	K13B4	17.716	94.741	269.321	8.196	0.36667	2.72344	3 X
K04RM1N	16.8	0.15	K13B4	12.657	117.937	269.289	15.405	0.28207	2.67694	4 X
K04RPOY	16.1	0.15	K13B4	0.597	161.256	248.948	13.564	0.11343	2.64647	4 X
K04RU9J	16.8	0.15	K13B4	110.439	91.273	233.951	7.609	0.17607	2.55967	5 X
K04RV9M	16.6	0.15	K13B4	3.645	240.175	170.367	22.071	0.03684	2.59632	6 X
K04RW3Y	16.4	0.15	K13B4	43.071	41.838	341.317	10.505	0.18891	2.63476	4 X
K04RW9K	17.0	0.15	K13B4	32.082	66.786	329.458	13.234	0.16426	2.61662	4 X
K04RX9Z	17.0	0.15	K13B4	43.559	138.676	238.786	9.171	0.14272	2.58580	5 X
K04T70A	16.5	0.15	K13B4	48.922	238.324	114.406	5.255	0.25572	2.67170	7 X
K04T75P	17.3	0.15	K13B4	44.803	31.321	335.131	3.271	0.16879	2.67161	8 X
K04TC7Z	16.1	0.15	K13B4	12.081	207.378	186.432	14.949	0.12131	2.67762	5 X
K04TF5P	15.1	0.15	K13B4	15.679	47.308	28.587	9.025	0.14120	3.94680	4 X
K04TJ1O	18.0	0.15	K13B4	339.526	39.336	27.338	4.800	0.27698	2.71516	3 X

K04TQ2S	17.2	0.15	K13B4	344.889	43.204	35.938	15.926	0.30665	2.71574	3	X
K04TR6M	16.8	0.15	K13B4	45.516	119.196	215.277	11.715	0.25119	2.72581	3	X
K04V36W	16.7	0.15	K13B4	333.305	54.092	49.338	9.667	0.08788	2.67533	6	X
K04V77F	16.6	0.15	K13B4	336.294	66.085	52.407	14.782	0.08772	2.63944	4	X
K04W02U	17.0	0.15	K13B4	15.738	306.912	64.019	11.132	0.30530	2.73006	4	X
K04X14N	19.7	0.15	K13B4	199.114	115.681	120.913	10.740	0.26657	0.93162	5	X
K04X23K	16.0	0.15	K13B4	69.122	111.878	266.873	10.230	0.31472	2.64367	4	X
K04X49E	16.4	0.15	K13B4	5.585	324.900	71.173	9.405	0.32790	2.76645	4	X
K04X77H	17.2	0.15	K13B4	352.173	345.285	68.715	9.728	0.28259	2.74662	2	X
K04X78D	16.3	0.15	K13B4	56.790	100.356	258.284	14.932	0.30075	2.68364	3	X
K04XA6G	17.4	0.15	K13B4	3.431	75.218	305.616	2.844	0.33427	2.76564	2	X
K04XC1D	16.6	0.15	K13B4	359.268	322.458	119.511	2.805	0.20624	2.72871	6	X
K04XC4S	16.2	0.15	K13B4	25.051	96.401	308.425	10.310	0.20621	2.65581	4	X
K04XE0L	17.1	0.15	K13B4	356.008	324.661	120.301	5.036	0.13306	2.74816	4	X
K04Y27S	16.1	0.15	K13B4	49.945	115.468	279.039	11.901	0.15952	2.68874	5	X
K05A30N	16.0	0.15	K13B4	357.667	186.405	332.752	25.425	0.14069	2.63613	6	X
K05D01N	16.5	0.15	K13B4	199.580	319.607	216.028	0.515	0.13983	3.10974	4	X
K05E01H	16.7	0.15	K13B4	10.831	61.200	67.124	5.105	0.28528	2.67785	5	X
K05EV2G	16.8	0.15	K13B4	317.488	104.574	357.247	9.509	0.06230	2.93029	4	W
K05EW7D	16.1	0.15	K13B4	108.965	281.051	20.851	10.374	0.07233	3.07019	3	X
K05F01Y	15.6	0.15	K13B4	151.967	228.201	29.811	16.938	0.19428	3.16338	5	X
K05G19Z	16.2	0.15	K13B4	213.813	8.021	204.761	7.937	0.02871	3.06277	5	X
K05J05G	15.5	0.15	K13B4	41.903	286.353	117.777	16.223	0.07833	3.08588	5	X
K05JA7H	15.8	0.15	K13B4	117.993	82.245	215.484	10.568	0.10914	3.17424	5	X
K05JE1S	15.5	0.15	K13B4	213.665	156.750	69.742	10.395	0.13820	3.08020	5	X
K05K03T	15.6	0.15	K13B4	136.694	234.515	59.524	11.688	0.00899	3.08379	6	X
K05M12Y	16.0	0.15	K13B4	98.692	13.437	293.684	24.038	0.19223	2.36197	6	X
K05N98M	16.0	0.15	K13B4	259.570	266.490	306.720	14.994	0.19242	3.10092	6	X
K05NC5S	17.1	0.15	K13B4	77.625	247.693	74.596	22.450	0.23891	2.39439	4	X
K05O27Q	17.1	0.15	K13B4	130.761	302.931	356.847	9.735	0.19139	2.32082	5	X
K05Q45H	17.9	0.15	K13B4	71.298	199.984	140.311	7.239	0.12320	2.40668	6	W
K05Q46D	17.9	0.15	K13B4	48.615	17.525	7.082	7.209	0.11249	2.38235	5	X
K05Q62L	17.7	0.15	K13B4	52.408	27.785	354.863	6.707	0.12297	2.37437	4	X
K05QA5B	17.4	0.15	K13B4	272.966	338.935	187.318	3.034	0.04838	2.35734	8	X
K05QD9O	17.4	0.15	K13B4	37.640	4.213	18.175	3.163	0.09141	2.41521	6	X
K05R41T	18.0	0.15	K13B4	53.883	333.156	12.647	3.896	0.24222	2.42706	4	X
K05R47U	17.2	0.15	K13B4	18.350	10.520	50.062	8.389	0.13061	2.41863	5	X
K05S07B	17.5	0.15	K13B4	20.652	195.122	203.426	3.739	0.20206	2.45084	5	X
K05S41D	17.4	0.15	K13B4	81.916	307.900	16.128	2.808	0.20788	2.42795	6	X
K05S72A	17.0	0.15	K13B4	26.525	43.626	0.147	3.511	0.24338	2.43520	6	X
K05SA2R	17.2	0.15	K13B4	338.858	197.291	272.861	4.133	0.17796	2.42404	4	X
K05SJ0S	17.5	0.15	K13B4	26.480	322.729	61.635	3.093	0.21722	2.46785	5	X
K05TB6M	17.7	0.15	K13B4	92.413	110.058	209.651	6.506	0.11071	2.42831	5	X
K05TC7M	17.7	0.15	K13B4	324.833	276.492	209.787	5.096	0.05431	2.39506	5	X
K05U06F	17.8	0.15	K13B4	30.409	323.627	52.263	22.398	0.07374	1.91825	5	X
K05U34U	18.0	0.15	K13B4	342.259	191.701	222.995	7.056	0.14106	2.55065	3	X
K05U52S	16.8	0.15	K13B4	35.900	348.025	45.932	15.229	0.16556	2.44594	4	X
K05U65Z	16.7	0.15	K13B4	348.361	213.068	234.692	5.308	0.09599	2.44843	5	X
K05U73A	17.6	0.15	K13B4	346.848	229.054	222.656	20.539	0.12181	1.89614	4	X
K05UG1M	17.7	0.15	K13B4	27.517	110.429	275.112	6.712	0.29832	2.45977	3	X
K05UJ3H	18.5	0.15	K13B4	16.015	356.358	33.966	11.421	0.11521	2.48508	3	X
K05UN6P	17.1	0.15	K13B4	73.389	276.315	61.815	15.113	0.14479	2.48154	5	X
K05Ue3F	15.4	0.15	K13B4	339.538	351.707	103.559	3.777	0.20082	3.96899	8	X
K05Uh6B	17.8	0.15	K13B4	33.379	11.268	34.017	6.228	0.08954	2.42144	6	X
K05Ui1O	17.2	0.15	K13B4	15.364	169.812	238.964	19.988	0.05808	1.91027	3	X
K05Uq6B	17.4	0.15	K13B4	36.563	16.998	317.839	1.770	0.17936	2.58670	4	X
K05V01W	18.2	0.15	K13B4	331.684	227.811	230.496	20.747	0.08082	1.90416	3	X
K05V02A	21.1	0.15	K13B4	172.624	356.597	232.155	5.822	0.32337	1.20768	2	X
K05V05J	18.1	0.15	K13B4	300.405	5.349	154.103	2.896	0.28487	1.95911	4	X
K05V84M	17.9	0.15	K13B4	2.492	138.051	248.312	2.694	0.19833	2.54188	4	X
K05VB3K	17.6	0.15	K13B4	21.272	349.329	2.306	3.326	0.24065	2.57246	3	X
K05W04J	15.9	0.15	K13B4	36.544	75.738	283.170	28.342	0.30152	2.58923	3	X
K05WB3O	17.2	0.15	K13B4	86.660	72.561	262.332	18.027	0.10811	1.89346	3	X
K05WF7S	16.8	0.15	K13B4	40.854	277.426	99.939	10.574	0.19064	2.55466	4	X
K05WJ2L	18.1	0.15	K13B4	339.269	224.713	231.524	19.676	0.09990	1.90906	3	X
K05Y31O	17.0	0.15	K13B4	46.971	81.906	285.200	5.792	0.12983	2.58683	7	X
K05Y31S	17.8	0.15	K13B4	5.341	302.838	108.444	11.075	0.28919	2.55809	3	X
K05Y49W	17.5	0.15	K13B4	340.233	339.847	122.924	5.738	0.21293	2.54618	4	X
K05Y50L	17.4	0.15	K13B4	33.998	127.506	275.434	17.796	0.06434	1.92867	5	X
K05Y53S	16.8	0.15	K13B4	264.302	87.687	106.720	4.302	0.09571	2.55477	6	X
K05Y86Q	16.5	0.15	K13B4	48.659	264.615	99.569	4.639	0.24269	2.54812	7	X
K05Y91U	17.3	0.15	K13B4	27.378	294.213	112.396	3.685	0.13121	2.53860	4	X
K05Y98W	17.4	0.15	K13B4	27.472	81.486	299.382	17.117	0.09872	1.95689	4	X
K05YD4C	17.3	0.15	K13B4	347.606	37.067	46.234	4.867	0.17980	2.55013	4	X
K05YD8B	16.9	0.15	K13B4	3.804	116.244	304.892	4.472	0.14385	2.56420	6	X
K05YE5Y	16.6	0.15	K13B4	6.292	29.275	14.835	11.115	0.16509	2.57714	2	X
K05YF9M	17.4	0.15	K13B4	3.999	306.081	107.720	28.259	0.20586	2.55738	3	X
K05YG6S	18.4	0.15	K13B4	320.135	309.488	166.152	3.772	0.14554	2.56826	3	X
K05YL9P	16.9	0.15	K13B4	337.675	105.820	9.606	11.107	0.17166	2.52691	5	X
K05YM1E	15.9	0.15	K13B4	292.856	233.375	286.536	12.206	0.20144	2.62743	5	X
K05YP6F	17.2	0.15	K13B4	299.130	250.537	271.958	9.915	0.20898	2.55757	3	X
K05YS8E	16.3	0.15	K13B4	335.894	108.779	3.223	15.321	0.16012	2.54637	5	X
K06A08P	17.1	0.15	K13B4	340.016	235.191	210.077	7.466	0.24011	2.53990	3	X
K06A86B	17.0	0.15	K13B4	336.983	6.388	75.263	7.622	0.28233	2.59957	3	X
K06B19T	17.4	0.15	K13B4	28.322	255.899	128.376	4.865	0.15825	2.59579	6	X
K06B22P	17.2	0.15	K13B4	248.066	62.308	123.169	7.164	0.09806	2.63933	3	X
K06B25O	16.5	0.15	K13B4	318.957	328.801	144.437	8.458	0.05998	2.62340	5	X

K06B36B	16.3	0.15	K13B4	142.445	340.249	315.569	14.343	0.13710	2.61208	5 X
K06B62P	18.2	0.15	K13B4	345.877	330.628	108.313	24.771	0.08830	1.95268	3 X
K06BC3B	17.2	0.15	K13B4	35.093	70.712	333.082	9.137	0.11359	2.61281	6 X
K06BD7O	17.4	0.15	K13B4	3.734	252.562	164.312	4.196	0.20129	2.61773	5 X
K06BL6P	16.8	0.15	K13B4	10.909	295.538	114.392	11.931	0.14060	2.60375	6 X
K06BR4Z	16.8	0.15	K13B4	139.555	297.170	334.031	8.408	0.05228	2.73347	6 X
K06C65W	16.1	0.15	K13B4	295.819	86.470	60.531	11.885	0.13138	2.62202	5 X
K06D00E	15.7	0.15	K13B4	300.864	65.960	80.637	28.643	0.23617	2.60938	4 X
K06D17O	16.8	0.15	K13B4	356.859	289.133	125.905	8.129	0.14465	2.66906	7 X
K06D65K	17.7	0.15	K13B4	323.031	47.282	95.557	8.484	0.26730	2.56516	4 X
K06DC1B	16.5	0.15	K13B4	295.162	149.912	353.497	15.089	0.09495	2.63401	6 X
K06DF5G	17.8	0.15	K13B4	348.868	231.641	215.855	3.770	0.27894	2.61820	4 X
K06DI8C	16.1	0.15	K13B4	203.750	203.700	12.485	10.201	0.06372	2.77648	6 X
K06DI9G	16.8	0.15	K13B4	215.037	204.736	3.540	7.896	0.15771	2.77034	5 X
K06DJ5O	16.8	0.15	K13B4	315.742	166.790	315.910	4.111	0.12006	2.62719	4 X
K06E25D	17.2	0.15	K13B4	11.252	57.296	342.714	5.829	0.07607	2.71124	4 X
K06F23R	16.7	0.15	K13B4	324.547	320.036	189.291	13.484	0.19638	2.60859	5 X
K06G02P	15.8	0.15	K13B4	318.724	61.689	87.943	31.088	0.29390	2.62345	5 X
K06G07G	17.0	0.15	K13B4	278.401	59.714	137.075	5.528	0.21280	2.63552	4 X
K06G32J	16.8	0.15	K13B4	23.520	10.386	46.757	8.728	0.12888	2.68869	5 X
K06H02A	16.1	0.15	K13B4	277.009	143.900	51.151	14.483	0.19005	2.66705	4 X
K06H03J	18.0	0.15	K13B4	85.853	256.316	54.659	6.653	0.28086	2.13091	5 X
K06H34N	16.4	0.15	K13B4	276.501	138.844	51.883	14.925	0.12796	2.67580	5 X
K06H60H	16.6	0.15	K13B4	198.967	101.751	133.922	10.102	0.15023	2.80890	5 X
K06HF3V	15.9	0.15	K13B4	307.192	83.271	61.550	26.038	0.16095	2.71952	3 X
K06J09R	16.6	0.15	K13B4	351.878	36.417	42.836	6.177	0.04696	2.84080	5 X
K06K12G	15.6	0.15	K13B4	66.274	206.368	94.637	15.860	0.26818	3.17213	5 X
K06K57L	16.8	0.15	K13B4	89.530	153.799	177.007	5.724	0.06588	2.94301	7 X
K06K67B	16.6	0.15	K13B4	302.358	291.544	211.004	8.967	0.17047	2.76027	5 X
K06M11S	15.7	0.15	K13B4	189.082	142.119	97.691	11.823	0.06206	2.86352	6 X
K06O21Q	17.7	0.15	K13B4	52.090	5.987	352.240	7.453	0.29399	2.25279	3 X
K06P06R	15.9	0.15	K13B4	76.418	28.081	338.082	9.017	0.10380	3.10308	5 X
K06P21R	16.1	0.15	K13B4	128.784	348.570	323.914	12.141	0.20573	3.08414	5 X
K06P34O	18.0	0.15	K13B4	70.848	223.759	103.491	7.356	0.21932	2.21817	6 X
K06Q11D	16.5	0.15	K13B4	30.700	113.875	275.112	2.216	0.13896	3.30451	6 X
K06Q26U	17.7	0.15	K13B4	20.079	73.798	282.677	1.931	0.20908	2.28240	4 X
K06Q58J	17.4	0.15	K13B4	13.028	153.649	232.468	7.292	0.23778	2.26590	3 X
K06Q78Q	17.6	0.15	K13B4	56.777	332.605	358.831	6.611	0.23051	2.25314	4 X
K06Q96M	15.7	0.15	K13B4	88.306	296.019	41.371	14.449	0.20320	3.23594	5 X
K06QD0V	18.2	0.15	K13B4	54.024	240.365	93.575	7.191	0.28040	2.23769	3 X
K06S13T	17.4	0.15	K13B4	31.947	351.168	17.628	7.963	0.16713	2.26683	2 X
K06S17O	18.2	0.15	K13B4	21.712	159.581	213.774	3.398	0.24779	2.28026	2 X
K06S56G	17.5	0.15	K13B4	346.913	32.580	30.248	22.436	0.25953	2.29061	5 X
K06S59L	17.1	0.15	K13B4	27.331	196.623	169.697	6.746	0.21043	2.27493	3 X
K06S77B	18.5	0.15	K13B4	28.687	182.093	210.261	1.032	0.21950	2.24923	5 X
K06SG9J	16.2	0.15	K13B4	90.176	358.460	350.194	9.142	0.12911	3.24317	4 X
K06SM2W	17.8	0.15	K13B4	3.520	302.599	101.775	4.537	0.16368	2.26826	6 X
K06SR1V	18.4	0.15	K13B4	8.373	148.503	278.401	4.020	0.10586	2.23193	3 X
K06SW7O	18.7	0.15	K13B4	342.042	19.856	68.367	2.604	0.14600	2.25511	5 X
K06T20K	16.9	0.15	K13B4	139.217	60.317	217.899	7.041	0.15505	2.23124	6 X
K06T44G	18.6	0.15	K13B4	7.746	338.082	42.735	3.527	0.22467	2.32307	3 X
K06T81X	18.2	0.15	K13B4	339.123	52.489	2.101	5.219	0.15866	2.32974	3 X
K06T86S	17.6	0.15	K13B4	27.065	150.270	251.963	4.009	0.14868	2.25217	3 X
K06U24K	17.9	0.15	K13B4	269.585	138.414	16.799	6.479	0.10019	2.26244	4 X
K06U32U	18.2	0.15	K13B4	40.941	168.215	210.635	3.619	0.15082	2.25284	4 X
K06U66T	17.7	0.15	K13B4	77.765	174.146	149.884	6.404	0.21153	2.23716	4 X
K06U94G	18.0	0.15	K13B4	239.362	345.941	183.869	6.224	0.04821	2.29188	5 X
K06UK0Y	17.5	0.15	K13B4	314.163	214.606	233.219	9.369	0.17191	2.33889	4 X
K06UL2V	17.3	0.15	K13B4	346.780	182.808	237.865	10.988	0.21630	2.32163	4 X
K06V33A	18.1	0.15	K13B4	349.958	9.216	38.546	4.187	0.18780	2.32205	3 X
K06V36F	15.6	0.15	K13B4	45.112	241.618	234.036	8.743	0.08701	3.10627	7 X
K06V55J	19.0	0.15	K13B4	16.081	166.715	226.747	8.104	0.21806	2.29580	3 X
K06V63D	17.0	0.15	K13B4	322.949	229.371	241.210	21.269	0.16900	2.30195	6 X
K06VE3R	18.3	0.15	K13B4	8.400	349.861	26.162	3.138	0.19774	2.28930	3 X
K06W03R	15.7	0.15	K13B4	7.833	154.909	275.145	48.768	0.43747	3.61960	4 X
K06W29P	17.3	0.15	K13B4	357.232	295.494	126.600	22.735	0.37973	2.28990	4 X
K06W35T	17.7	0.15	K13B4	337.158	347.756	91.510	7.667	0.13210	2.31508	5 X
K06W36K	18.1	0.15	K13B4	30.799	248.580	129.231	4.067	0.17742	2.29473	4 X
K06X43Z	16.4	0.15	K13B4	328.646	346.204	109.177	24.264	0.20276	2.36905	3 X
K06X49X	17.5	0.15	K13B4	19.537	285.984	111.078	5.449	0.23567	2.33269	6 X
K07A03Z	16.7	0.15	K13B4	356.227	127.921	305.966	23.824	0.20852	2.33461	4 X
K07B14N	15.5	0.15	K13B4	297.259	150.942	356.882	2.427	0.10291	3.96555	6 X
K07B35S	16.9	0.15	K13B4	33.225	51.328	331.764	7.973	0.23380	2.35490	7 X
K07B41G	17.8	0.15	K13B4	15.485	269.767	127.950	4.478	0.18717	2.36822	5 X
K07B45X	17.9	0.15	K13B4	271.274	180.846	2.250	1.480	0.12266	2.36371	5 X
K07C36Y	18.1	0.15	K13B4	271.252	192.497	338.022	0.765	0.11510	2.38847	4 X
K07D05R	17.7	0.15	K13B4	345.343	88.286	343.196	6.889	0.08499	2.38980	5 X
K07D06J	16.3	0.15	K13B4	7.792	162.600	331.307	24.199	0.23206	2.26494	4 X
K07E09C	17.6	0.15	K13B4	198.708	211.580	6.549	8.568	0.12650	2.54916	5 X
K07E10Q	17.0	0.15	K13B4	143.206	329.611	326.918	7.957	0.09843	2.42889	4 X
K07E34G	17.2	0.15	K13B4	139.715	77.975	198.522	7.130	0.20199	2.60653	5 X
K07EA4V	18.1	0.15	K13B4	297.235	121.873	23.424	2.831	0.13644	2.42238	5 X
K07G11Z	16.3	0.15	K13B4	46.636	255.440	107.131	6.762	0.16377	2.54740	5 X
K07G40D	17.2	0.15	K13B4	295.168	83.330	41.900	14.649	0.06043	2.57608	3 X
K07G45Q	16.7	0.15	K13B4	106.934	277.215	49.830	15.531	0.18920	2.63772	6 X
K07G61O	16.4	0.15	K13B4	336.033	210.611	221.917	21.539	0.05661	2.61088	2 X
K07G71H	17.3	0.15	K13B4	247.326	82.876	113.169	6.516	0.16920	2.45223	5 X

K07H40F	16.4	0.15	K13B4	76.688	301.928	38.069	12.916	0.29667	2.66275	4 X
K07H76V	16.6	0.15	K13B4	249.353	154.595	54.543	15.217	0.06681	2.48069	6 X
K07H97Y	15.9	0.15	K13B4	125.437	200.464	89.035	17.611	0.14909	2.70321	6 X
K07J42F	17.6	0.15	K13B4	129.695	195.486	84.385	23.572	0.06864	1.89883	4 X
K07L20X	17.8	0.15	K13B4	28.894	320.537	85.987	25.034	0.09000	1.85468	5 X
K07O06S	17.2	0.15	K13B4	5.796	325.844	40.258	16.111	0.58707	3.30752	3 X
K07O07V	14.8	0.15	K13B4	28.076	56.079	277.529	24.057	0.21618	3.17839	3 X
K07R31S	15.8	0.15	K13B4	142.916	63.917	239.206	8.800	0.18192	2.79983	4 X
K07R45T	16.0	0.15	K13B4	50.334	52.650	332.924	9.070	0.14533	2.97792	6 X
K07R57F	15.9	0.15	K13B4	65.458	356.833	340.413	9.116	0.11095	3.11121	4 X
K07R94K	16.3	0.15	K13B4	4.626	314.383	119.964	2.412	0.25030	3.09689	5 X
K07RA2D	16.3	0.15	K13B4	31.068	37.049	336.905	16.719	0.21713	3.10795	4 X
K07RDOG	16.0	0.15	K13B4	248.151	149.459	19.847	9.947	0.02663	3.12390	4 X
K07RH3V	16.1	0.15	K13B4	5.777	13.706	43.835	6.597	0.19081	3.12022	5 X
K07RJ8Z	15.7	0.15	K13B4	27.761	140.454	222.641	16.660	0.26255	3.16245	3 X
K07RM2L	16.4	0.15	K13B4	354.527	249.914	206.605	5.548	0.12342	3.02772	5 X
K07RM7U	15.8	0.15	K13B4	156.147	255.371	44.283	15.420	0.01532	3.07329	4 X
K07RN4B	15.6	0.15	K13B4	57.895	20.782	328.630	13.092	0.32319	3.07957	4 X
K07S06U	16.5	0.15	K13B4	135.963	276.897	26.453	11.390	0.29635	2.80280	5 X
K07S15J	16.0	0.15	K13B4	54.174	355.630	29.764	10.156	0.09308	3.04068	4 X
K07T10M	16.0	0.15	K13B4	2.453	53.325	21.415	17.876	0.26066	3.12080	6 X
K07T33C	16.2	0.15	K13B4	305.577	274.288	213.655	8.855	0.05580	3.14000	5 X
K07T56P	16.0	0.15	K13B4	46.179	359.940	31.553	11.331	0.09653	3.08482	6 X
K07T61L	16.6	0.15	K13B4	269.623	148.480	36.716	10.765	0.03896	3.00486	4 X
K07T71W	16.0	0.15	K13B4	133.983	185.407	104.438	11.533	0.05486	3.04872	4 X
K07T76U	16.7	0.15	K13B4	4.572	358.117	61.959	1.386	0.19599	3.04150	6 X
K07T76Z	15.6	0.15	K13B4	7.055	38.932	26.631	10.080	0.09120	3.09437	6 X
K07T87V	16.4	0.15	K13B4	27.728	9.768	54.210	11.268	0.01155	3.03602	4 X
K07T94F	15.7	0.15	K13B4	8.465	213.570	203.779	16.764	0.20254	3.10344	5 X
K07TD1O	16.4	0.15	K13B4	53.581	311.976	47.324	2.036	0.17435	3.15905	5 X
K07TE6L	16.3	0.15	K13B4	65.130	197.977	199.619	9.175	0.19169	2.93695	3 X
K07TF5G	15.6	0.15	K13B4	27.175	164.031	234.011	8.637	0.18909	3.11305	5 X
K07TG5T	17.3	0.15	K13B4	300.654	103.460	32.448	20.775	0.03863	2.02166	4 X
K07TH6K	15.5	0.15	K13B4	98.749	285.495	24.622	13.967	0.09410	3.16838	6 X
K07TK4S	16.1	0.15	K13B4	25.772	317.716	76.309	5.809	0.16374	3.19572	5 X
K07TLOY	16.4	0.15	K13B4	68.101	15.651	351.988	9.285	0.08864	3.06063	7 X
K07TL3L	16.1	0.15	K13B4	62.614	1.462	11.380	9.243	0.14125	3.07135	4 X
K07TO4C	15.8	0.15	K13B4	46.147	43.968	346.286	9.247	0.12311	3.05640	5 X
K07TP0O	16.2	0.15	K13B4	334.086	112.212	6.453	9.967	0.05773	2.98023	5 X
K07TP4V	16.5	0.15	K13B4	5.163	22.291	38.216	7.045	0.13978	3.14285	3 X
K07TQ8Y	16.1	0.15	K13B4	345.028	81.160	32.099	11.242	0.31278	3.11235	3 X
K07TR5L	16.0	0.15	K13B4	84.134	306.390	43.965	10.626	0.11412	2.99625	5 X
K07Tc1J	16.2	0.15	K13B4	183.776	217.133	46.829	12.659	0.02520	3.00634	5 X
K07Tc7F	15.7	0.15	K13B4	187.373	207.407	19.458	10.515	0.04004	3.12708	3 X
K07Td7Z	16.1	0.15	K13B4	56.300	10.350	16.634	10.303	0.10957	3.05485	4 X
K07Te8V	16.2	0.15	K13B4	15.628	149.888	264.106	9.493	0.28303	3.14406	4 X
K07Tg0S	15.5	0.15	K13B4	23.764	317.502	98.416	20.357	0.13422	3.14524	6 X
K07Ti8L	15.4	0.15	K13B4	120.037	35.813	259.449	7.528	0.17960	3.06198	5 X
K07Ti8U	16.0	0.15	K13B4	29.742	1.423	47.583	14.300	0.10352	3.08814	6 X
K07U08S	16.1	0.15	K13B4	83.341	43.909	273.644	14.082	0.27013	3.11375	4 X
K07U43W	16.2	0.15	K13B4	50.380	169.555	203.825	9.083	0.06335	3.08766	5 X
K07U87J	15.8	0.15	K13B4	313.084	101.810	45.533	11.644	0.10935	3.11975	5 X
K07UA2D	15.5	0.15	K13B4	94.495	77.547	237.681	24.821	0.19869	3.23299	4 X
K07V47Y	16.6	0.15	K13B4	45.225	81.703	289.284	5.935	0.15342	3.20414	4 X
K07V50T	15.9	0.15	K13B4	259.149	163.751	33.244	10.993	0.06285	3.07954	5 X
K07V93A	15.8	0.15	K13B4	30.638	157.750	252.300	16.442	0.23385	3.09394	5 X
K07V99E	15.9	0.15	K13B4	2.027	9.397	59.454	11.104	0.07773	3.15422	4 X
K07VB8O	15.8	0.15	K13B4	345.027	245.254	202.779	10.654	0.06177	3.16335	4 X
K07VC4M	16.3	0.15	K13B4	342.960	52.606	59.870	12.416	0.03082	3.13316	4 X
K07VD4C	16.1	0.15	K13B4	266.235	314.110	229.309	18.661	0.16852	3.10771	5 X
K07VG9H	16.1	0.15	K13B4	71.269	155.305	253.492	9.290	0.06691	3.03231	4 X
K07VL1A	16.1	0.15	K13B4	29.564	168.431	248.701	10.489	0.11165	3.10452	5 X
K07VM3M	15.5	0.15	K13B4	320.916	58.700	77.515	19.692	0.06647	3.09503	5 X
K07VO1A	15.3	0.15	K13B4	358.485	27.301	51.070	30.676	0.21674	3.12834	4 X
K07VQ5M	16.6	0.15	K13B4	83.346	294.919	55.718	2.536	0.11114	3.19341	7 X
K07VR3W	15.9	0.15	K13B4	239.575	349.686	208.104	11.873	0.04920	3.19534	4 X
K07VR9Q	15.6	0.15	K13B4	230.920	334.401	236.734	25.003	0.08708	3.15995	5 X
K07VR9U	16.0	0.15	K13B4	134.333	239.798	53.574	10.728	0.05733	3.18436	3 X
K07VW9E	15.3	0.15	K13B4	39.943	134.664	283.175	26.488	0.20887	3.19526	4 X
K07X13K	15.6	0.15	K13B4	8.733	190.044	267.339	7.800	0.23273	3.15098	5 X
K07Y62Q	17.9	0.15	K13B4	22.193	14.984	346.292	2.096	0.08436	2.22728	5 X
K08A82P	17.7	0.15	K13B4	74.495	32.246	303.819	8.936	0.02442	2.18161	5 X
K08C13U	18.1	0.15	K13B4	310.144	5.651	113.841	3.316	0.11627	2.16636	4 X
K08C23O	18.5	0.15	K13B4	248.461	209.901	338.637	2.794	0.10454	2.18145	5 X
K08CF9V	17.2	0.15	K13B4	202.357	245.065	328.690	6.925	0.04663	2.25035	6 X
K08CL1Y	17.9	0.15	K13B4	353.674	82.374	337.768	6.856	0.08288	2.19629	6 X
K08D58A	14.9	0.15	K13B4	312.469	33.781	191.674	27.105	0.11277	3.20463	6 X
K08D85Q	17.9	0.15	K13B4	185.348	232.514	27.494	6.735	0.09154	2.22346	5 X
K08EE6F	17.4	0.15	K13B4	179.381	198.127	51.819	7.725	0.07319	2.26847	5 X
K08EF7Z	15.5	0.15	K13B4	316.808	318.576	162.685	5.914	0.11160	3.92491	7 X
K08FA1H	17.9	0.15	K13B4	225.991	76.562	131.590	5.404	0.12360	2.27081	4 X
K08FD2D	15.3	0.15	K13B4	281.373	296.961	222.413	10.579	0.08648	3.95807	5 X
K08G40P	17.6	0.15	K13B4	257.979	123.614	52.712	8.575	0.07722	2.25535	5 X
K08K29Q	17.0	0.15	K13B4	75.405	233.461	103.771	7.979	0.10621	2.41226	6 X
K08L13N	13.1	0.15	K13B4	161.590	133.692	106.737	14.586	0.06015	5.16696	5 X
K08O04G	16.6	0.15	K13B4	33.478	83.600	293.873	9.942	0.22570	2.68705	3 X
K08P20G	16.7	0.15	K13B4	49.692	217.080	102.737	13.569	0.27325	2.78182	3 X

K08Q11S	19.9	0.15	K13B4	351.774	30.601	11.592	12.499	0.48228	1.86079	2 X
K08Q38Y	16.6	0.15	K13B4	332.000	111.016	335.360	7.975	0.12332	2.75793	3 X
K08Q44L	16.9	0.15	K13B4	30.647	51.203	341.664	11.078	0.19793	2.66391	5 X
K08Q46U	16.9	0.15	K13B4	35.596	149.201	218.932	6.830	0.23983	2.74750	2 X
K08R25K	17.0	0.15	K13B4	88.142	24.093	313.908	16.415	0.19488	2.59147	6 X
K08R64Q	16.9	0.15	K13B4	356.000	48.517	8.555	7.317	0.19697	2.77575	4 X
K08R75F	16.4	0.15	K13B4	12.137	46.990	11.298	9.808	0.24483	2.72103	4 X
K08RE6T	15.7	0.15	K13B4	328.351	227.285	233.908	14.359	0.05310	2.95006	2 X
K08S05Q	16.5	0.15	K13B4	47.144	235.894	125.253	5.812	0.17352	2.75944	6 X
K08S06M	16.8	0.15	K13B4	35.023	234.327	133.859	6.372	0.18124	2.78032	7 X
K08S20A	17.6	0.15	K13B4	33.030	53.687	331.439	7.729	0.28112	2.70378	4 X
K08S39W	16.8	0.15	K13B4	55.114	185.619	177.889	5.442	0.05483	2.74685	4 X
K08S46G	16.8	0.15	K13B4	51.794	179.119	183.584	5.934	0.12105	2.76995	6 X
K08S65J	16.3	0.15	K13B4	131.339	288.550	23.267	12.563	0.05673	2.67164	5 X
K08S66V	17.2	0.15	K13B4	76.413	322.920	24.451	7.282	0.24569	2.66853	4 X
K08S66Z	16.1	0.15	K13B4	60.042	102.936	235.161	18.655	0.28184	2.78340	3 X
K08S84W	16.6	0.15	K13B4	24.004	18.102	30.574	8.466	0.22400	2.78609	3 X
K08S86N	16.7	0.15	K13B4	17.059	141.095	223.602	11.153	0.06329	2.90478	4 X
K08S93F	18.5	0.15	K13B4	6.696	207.830	196.239	19.726	0.07560	1.81197	4 X
K08SA9P	17.3	0.15	K13B4	349.018	91.921	337.774	7.576	0.17924	2.73626	4 X
K08SB2P	16.6	0.15	K13B4	212.857	197.195	41.177	9.631	0.07940	2.59791	5 X
K08SC7L	16.7	0.15	K13B4	221.654	198.221	36.228	15.948	0.03686	2.68902	5 X
K08SC7T	17.5	0.15	K13B4	19.485	47.457	6.829	8.391	0.20657	2.76879	4 X
K08SD3J	17.2	0.15	K13B4	345.054	113.463	356.806	16.891	0.11771	2.64060	2 X
K08SH3B	16.9	0.15	K13B4	0.023	228.458	196.775	4.987	0.04499	2.78028	6 X
K08SJ6V	16.5	0.15	K13B4	23.499	358.528	43.835	4.934	0.07037	2.78864	6 X
K08SL9B	16.8	0.15	K13B4	43.260	68.421	302.998	4.018	0.12964	2.72977	5 X
K08SM3U	17.4	0.15	K13B4	352.923	176.581	260.491	3.217	0.20188	2.75325	5 X
K08SM7E	16.9	0.15	K13B4	41.134	88.178	293.772	5.029	0.05360	2.69133	5 X
K08SM8U	17.1	0.15	K13B4	15.566	109.328	296.588	4.229	0.12323	2.73175	4 X
K08SM9V	16.3	0.15	K13B4	89.897	320.093	338.381	7.324	0.20624	2.75379	5 X
K08SO0O	17.1	0.15	K13B4	325.087	45.871	90.551	5.622	0.04663	2.62814	5 W
K08SU3H	16.7	0.15	K13B4	234.628	200.196	20.998	9.156	0.10600	2.57660	6 X
K08SU5Z	17.2	0.15	K13B4	48.050	313.676	60.255	4.021	0.19176	2.74589	6 X
K08T02Q	20.9	0.15	K13B4	339.691	235.047	225.580	3.878	0.42036	1.84471	3 X
K08T07A	17.0	0.15	K13B4	38.311	188.303	188.536	3.307	0.20479	2.74369	6 X
K08T36A	17.2	0.15	K13B4	82.003	332.856	348.973	5.977	0.07722	2.75530	3 X
K08T59X	16.8	0.15	K13B4	78.940	196.383	193.464	9.557	0.10588	2.56708	4 X
K08T73C	16.2	0.15	K13B4	78.240	323.525	24.173	8.704	0.16420	2.72947	4 X
K08T91M	16.7	0.15	K13B4	22.840	37.488	25.834	11.231	0.03511	2.63149	5 X
K08TB5G	16.9	0.15	K13B4	36.284	149.205	227.701	12.954	0.20047	2.78299	4 X
K08TC7V	17.1	0.15	K13B4	265.026	182.077	327.216	5.725	0.01293	2.77962	5 X
K08TG5R	17.0	0.15	K13B4	55.122	350.070	31.302	7.578	0.12097	2.81180	4 X
K08TG7N	17.4	0.15	K13B4	137.607	282.391	3.578	4.507	0.08803	2.72695	5 X
K08TI1X	16.7	0.15	K13B4	270.100	166.453	37.869	8.725	0.21370	2.55259	4 X
K08U64Z	16.2	0.15	K13B4	290.428	260.078	261.947	7.981	0.09199	2.76300	6 X
K08U71U	15.8	0.15	K13B4	17.490	126.673	249.413	14.548	0.25153	2.96908	2 X
K08U72E	18.5	0.15	K13B4	348.660	100.737	3.687	6.018	0.45188	2.88396	2 S
K08UD8H	16.5	0.15	K13B4	151.661	247.077	46.271	13.655	0.13122	2.67115	4 X
K08UE9N	17.1	0.15	K13B4	17.385	211.786	193.969	5.691	0.07271	2.78776	5 X
K08UF6W	17.1	0.15	K13B4	15.393	349.972	62.311	2.931	0.07031	2.85032	4 X
K08UI3H	16.8	0.15	K13B4	357.066	38.746	50.118	9.139	0.18060	2.75391	4 X
K08UJ9G	15.6	0.15	K13B4	306.627	245.118	255.736	21.852	0.44771	3.10506	5 X
K08UK8G	17.1	0.15	K13B4	8.583	43.727	14.486	4.332	0.06517	2.80744	5 X
K08UL2D	16.5	0.15	K13B4	33.442	276.804	123.059	3.912	0.18817	2.78074	6 X
K08UO8D	17.1	0.15	K13B4	315.560	281.057	222.236	4.370	0.09352	2.79245	5 X
K08UQ5Y	17.2	0.15	K13B4	0.450	87.472	341.772	3.752	0.05043	2.79079	5 X
K08UX3C	17.5	0.15	K13B4	55.507	108.073	226.901	20.109	0.10944	1.86325	4 X
K08UY3W	16.3	0.15	K13B4	36.486	120.625	263.733	7.633	0.11401	2.84013	5 X
K08UZ2K	16.1	0.15	K13B4	336.867	352.658	98.938	12.287	0.08899	3.08165	3 X
K08Ub0S	15.5	0.15	K13B4	326.639	152.329	299.423	8.019	0.08456	3.16209	5 X
K08V00N	16.8	0.15	K13B4	0.548	277.196	59.988	12.917	0.64416	3.04918	3 X
K08V41A	17.5	0.15	K13B4	76.270	11.091	357.784	6.267	0.04221	2.73776	4 X
K08V52Q	17.4	0.15	K13B4	57.989	103.852	259.440	5.558	0.06352	2.76888	5 X
K08V66H	15.2	0.15	K13B4	309.135	199.799	304.698	27.213	0.14885	3.12503	5 X
K08V71N	15.8	0.15	K13B4	346.372	82.094	329.796	16.795	0.33839	3.09653	3 X
K08W48L	16.2	0.15	K13B4	3.148	352.020	73.438	12.250	0.08091	2.91862	5 X
K08W55T	16.2	0.15	K13B4	29.638	134.473	222.417	9.523	0.08340	3.04794	4 X
K08W60R	16.1	0.15	K13B4	322.617	201.515	232.061	4.749	0.12618	3.03335	3 X
K08W71B	16.0	0.15	K13B4	19.336	288.680	82.632	10.769	0.22911	3.06683	4 X
K08WA9T	16.7	0.15	K13B4	90.475	271.831	65.266	13.593	0.22744	2.77575	4 X
K08WD6B	15.9	0.15	K13B4	325.929	359.167	95.799	12.031	0.12527	3.03464	6 X
K08WD9O	15.9	0.15	K13B4	5.435	152.381	254.875	10.773	0.20672	3.03950	2 X
K08X01P	16.0	0.15	K13B4	343.907	3.649	65.033	18.681	0.20243	3.00058	4 X
K08X01S	16.7	0.15	K13B4	14.972	242.512	159.661	9.198	0.26788	2.90238	3 X
K08X01T	17.5	0.15	K13B4	351.368	157.325	252.269	19.532	0.09540	1.86409	3 X
K08Y25R	15.9	0.15	K13B4	334.488	349.466	90.475	9.582	0.10058	3.04064	4 X
K08Y47M	16.5	0.15	K13B4	331.683	51.756	56.536	1.822	0.15502	3.02441	6 X
K08Y50M	17.9	0.15	K13B4	104.673	20.609	306.551	18.603	0.07988	1.87771	3 X
K08Y58N	16.6	0.15	K13B4	41.540	69.196	297.738	8.496	0.08774	3.14347	5 X
K08Y71B	16.3	0.15	K13B4	41.435	87.663	311.314	12.572	0.07379	3.01956	5 X
K08Y76D	18.4	0.15	K13B4	35.185	84.349	300.486	19.023	0.10779	1.87136	3 X
K09A01M	15.6	0.15	K13B4	299.899	39.630	99.552	11.161	0.04681	3.02386	4 X
K09A11U	16.2	0.15	K13B4	290.583	196.921	303.246	9.331	0.13803	3.16560	2 X
K09A13Q	15.8	0.15	K13B4	159.342	351.686	279.573	9.455	0.01226	3.10529	5 X
K09A16B	18.0	0.15	K13B4	27.006	279.741	100.821	24.602	0.08032	1.89426	7 X
K09A17A	15.6	0.15	K13B4	4.531	316.748	116.511	9.083	0.07773	3.04761	7 X

K09A27D	18.3	0.15	K13B4	221.512	87.497	115.256	24.326	0.01768	1.89601	3 X
K09A33S	16.0	0.15	K13B4	7.713	116.479	320.749	14.719	0.12779	3.06273	5 X
K09A36F	15.7	0.15	K13B4	243.049	269.260	313.159	14.037	0.13591	3.12927	7 X
K09B02S	15.3	0.15	K13B4	263.219	85.460	101.682	18.545	0.18340	3.14176	5 X
K09B05V	15.9	0.15	K13B4	337.767	345.508	113.777	11.292	0.14600	3.10531	4 X
K09B21R	15.7	0.15	K13B4	58.206	287.705	108.356	14.114	0.07196	2.76863	6 X
K09B30T	16.9	0.15	K13B4	339.661	38.854	59.480	2.020	0.16666	3.08506	4 X
K09B31K	16.1	0.15	K13B4	90.920	236.016	119.087	10.846	0.08962	3.05631	6 X
K09B44S	15.6	0.15	K13B4	309.042	189.705	318.777	12.912	0.11114	3.12726	4 X
K09B48Z	16.9	0.15	K13B4	336.914	334.737	126.827	2.708	0.14324	3.09697	4 X
K09B70H	15.5	0.15	K13B4	8.657	104.962	332.474	9.028	0.06874	3.01511	6 X
K09B80E	17.6	0.15	K13B4	249.395	59.269	122.246	21.999	0.08491	1.90451	5 X
K09B83N	15.9	0.15	K13B4	280.872	74.398	89.975	17.192	0.18593	3.11679	3 X
K09B91D	16.4	0.15	K13B4	32.074	276.799	134.640	3.393	0.12477	3.05939	7 X
K09B95R	15.9	0.15	K13B4	292.734	30.694	114.277	12.228	0.06805	3.11188	5 X
K09BB2F	15.7	0.15	K13B4	283.552	218.884	299.507	8.257	0.06680	3.13849	6 X
K09BD0U	16.3	0.15	K13B4	7.859	82.451	352.236	13.601	0.12295	3.19610	3 X
K09BD3G	16.7	0.15	K13B4	336.088	303.623	132.748	11.886	0.20989	3.19671	2 X
K09BD7P	16.4	0.15	K13B4	354.033	136.456	320.839	9.773	0.09082	3.05114	6 X
K09BE2L	15.6	0.15	K13B4	298.770	19.082	128.988	9.585	0.15796	3.16498	6 X
K09BE4S	16.0	0.15	K13B4	63.293	42.975	324.293	14.790	0.18859	3.14327	3 X
K09BI9H	16.3	0.15	K13B4	15.612	300.100	102.890	15.157	0.20606	2.94414	3 X
K09C00Y	15.8	0.15	K13B4	324.815	327.101	159.809	11.327	0.26022	3.08924	5 X
K09C01G	16.3	0.15	K13B4	290.941	2.451	148.886	6.372	0.14226	3.18087	8 X
K09C25N	17.2	0.15	K13B4	3.981	97.999	345.816	8.216	0.16198	3.08383	4 X
K09C36M	16.5	0.15	K13B4	355.353	283.153	133.920	19.187	0.36565	3.11866	3 X
K09C51P	16.2	0.15	K13B4	330.260	137.387	350.201	9.271	0.16581	3.07781	5 X
K09C60X	16.5	0.15	K13B4	287.740	202.126	342.469	13.169	0.17133	3.18451	5 X
K09C63M	15.1	0.15	K13B4	318.368	183.818	312.132	11.982	0.11536	3.20841	9 X
K09D06H	17.1	0.15	K13B4	340.990	323.067	128.878	6.329	0.18315	3.11035	4 X
K09D08E	16.4	0.15	K13B4	0.122	108.804	337.318	12.886	0.21253	3.15736	3 X
K09D17C	16.0	0.15	K13B4	327.829	309.361	173.055	14.246	0.25787	3.16896	3 X
K09D22V	16.5	0.15	K13B4	309.217	153.203	353.810	9.075	0.03269	3.05606	5 X
K09D35L	16.2	0.15	K13B4	332.111	306.033	177.219	16.490	0.30565	3.16015	3 X
K09D54R	16.1	0.15	K13B4	324.595	147.635	344.818	8.812	0.05146	3.14345	5 X
K09D88X	16.5	0.15	K13B4	0.752	270.345	161.865	16.628	0.23952	3.13097	5 X
K09D94A	16.4	0.15	K13B4	295.975	36.272	162.611	16.314	0.10022	3.08681	6 X
K09DB0D	16.0	0.15	K13B4	310.381	196.406	315.873	24.914	0.21628	3.13322	4 X
K09DB6F	15.9	0.15	K13B4	24.767	85.281	336.593	8.947	0.10991	3.16019	5 X
K09E14Y	16.7	0.15	K13B4	357.611	55.681	32.054	1.104	0.16941	3.16192	6 X
K09F33Y	15.6	0.15	K13B4	229.842	246.163	337.275	11.098	0.05746	3.24425	3 X
K09O20V	17.3	0.15	K13B4	14.766	261.730	118.077	11.141	0.24186	2.38843	3 X
K09Q43E	17.8	0.15	K13B4	4.566	304.173	123.507	3.800	0.13467	2.27875	6 X
K09Q47V	17.4	0.15	K13B4	129.680	198.427	108.682	5.700	0.20067	2.19922	6 X
K09Q52X	17.9	0.15	K13B4	18.422	224.383	169.213	4.075	0.15713	2.37727	7 X
K09Q60U	17.6	0.15	K13B4	88.930	205.099	141.211	7.037	0.11813	2.22553	6 X
K09R05P	17.5	0.15	K13B4	90.157	57.016	257.908	1.535	0.21813	2.35355	4 X
K09R07A	17.1	0.15	K13B4	105.942	346.468	339.016	7.226	0.18090	2.24765	6 X
K09R13Q	18.0	0.15	K13B4	51.575	26.962	326.316	0.711	0.19703	2.39013	5 X
K09R21T	17.3	0.15	K13B4	10.616	223.532	200.273	6.690	0.22695	2.29139	4 X
K09R68C	17.9	0.15	K13B4	6.748	224.158	191.519	6.047	0.11544	2.39073	3 X
K09R69G	17.4	0.15	K13B4	118.186	13.371	281.436	6.329	0.19489	2.25646	5 X
K09S53V	17.8	0.15	K13B4	84.203	319.403	25.486	7.287	0.14277	2.30096	5 X
K09S99X	16.4	0.15	K13B4	3.948	224.676	200.332	23.362	0.17699	2.37191	5 X
K09SA1U	16.7	0.15	K13B4	10.893	201.628	208.699	23.525	0.23148	2.38530	4 X
K09SA3D	16.0	0.15	K13B4	17.028	133.498	236.460	12.218	0.25848	2.59259	4 X
K09SB4X	17.7	0.15	K13B4	1.964	208.610	210.516	6.245	0.10442	2.37428	3 X
K09SC5L	17.7	0.15	K13B4	355.489	119.473	311.049	3.126	0.12494	2.39251	5 X
K09SE2T	17.6	0.15	K13B4	79.715	320.026	6.978	9.362	0.07417	2.39676	5 X
K09SG0Z	17.3	0.15	K13B4	9.059	19.450	54.002	3.183	0.17116	2.45291	5 X
K09SQ5R	16.2	0.15	K13B4	80.627	271.417	20.529	13.561	0.11668	2.57314	4 X
K09SS9M	17.7	0.15	K13B4	349.727	302.135	141.389	3.230	0.21936	2.41872	6 X
K09ST4Z	18.5	0.15	K13B4	3.500	168.916	250.168	0.743	0.17509	2.37592	3 X
K09SW5S	17.3	0.15	K13B4	39.603	182.496	190.170	4.932	0.12556	2.41466	5 X
K09SY0B	17.9	0.15	K13B4	78.965	269.482	55.980	2.787	0.20823	2.34876	5 X
K09T01X	17.2	0.15	K13B4	45.100	328.820	40.474	7.485	0.25448	2.37015	6 X
K09T20L	17.3	0.15	K13B4	27.246	8.689	29.758	10.612	0.20864	2.37015	3 X
K09T20P	17.6	0.15	K13B4	55.479	281.251	68.342	2.915	0.19489	2.40070	6 X
K09T35Z	17.1	0.15	K13B4	111.288	88.249	211.017	9.931	0.19348	2.33920	6 X
K09U01C	17.7	0.15	K13B4	12.505	338.438	26.734	5.376	0.28964	2.56869	2 X
K09U02G	18.6	0.15	K13B4	52.538	357.248	8.632	1.515	0.19411	2.36523	4 X
K09U32E	17.4	0.15	K13B4	306.695	243.926	222.593	7.522	0.18664	2.57188	3 X
K09U39T	17.0	0.15	K13B4	358.616	341.687	53.281	5.118	0.21096	2.58207	2 X
K09U49T	17.9	0.15	K13B4	38.999	299.284	66.015	1.639	0.22057	2.43219	3 X
K09U68R	17.7	0.15	K13B4	56.601	3.236	7.969	7.474	0.13047	2.28452	5 X
K09U83V	17.9	0.15	K13B4	323.579	269.501	219.324	5.454	0.08558	2.39128	4 X
K09UA1O	17.8	0.15	K13B4	14.101	311.459	104.215	3.380	0.21242	2.43109	5 X
K09UA3L	17.6	0.15	K13B4	16.299	322.213	39.017	2.781	0.30630	2.56825	3 X
K09UA7M	17.9	0.15	K13B4	351.066	14.530	75.612	4.218	0.17032	2.43094	5 X
K09UB5G	17.4	0.15	K13B4	350.219	240.412	195.308	4.755	0.12814	2.39663	5 X
K09UC1R	17.0	0.15	K13B4	23.016	328.730	47.391	14.065	0.21736	2.44150	2 X
K09V29E	17.5	0.15	K13B4	354.981	357.590	40.195	12.518	0.18009	2.57917	2 X
K09V75S	17.0	0.15	K13B4	16.271	351.283	25.788	5.524	0.30149	2.55216	3 X
K09V76O	16.0	0.15	K13B4	34.577	103.766	302.399	20.905	0.08836	2.64927	5 X
K09V86X	17.5	0.15	K13B4	280.423	331.375	215.388	5.557	0.17496	2.38866	6 X
K09VA3C	17.1	0.15	K13B4	353.347	344.656	75.027	7.242	0.31004	2.59649	2 X
K09W09A	17.4	0.15	K13B4	63.409	310.388	59.699	23.735	0.19144	2.36944	3 X



K09W10H	16.7	0.15	K13B4	5.124	177.080	222.650	8.476	0.27685	2.55277	2 X
K09W20X	16.6	0.15	K13B4	356.989	13.511	76.272	7.551	0.29032	2.58164	4 X
K09W35B	16.9	0.15	K13B4	347.021	338.393	89.477	6.534	0.15653	2.70078	3 X
K09W43K	16.9	0.15	K13B4	11.804	261.611	129.909	5.581	0.22193	2.54913	5 X
K09W53E	16.9	0.15	K13B4	350.298	55.744	7.379	3.858	0.22922	2.55383	3 X
K09W89G	18.0	0.15	K13B4	353.102	179.479	226.450	5.358	0.28081	2.59545	2 X
K09W93K	16.8	0.15	K13B4	71.826	252.054	108.719	7.607	0.13264	2.38349	5 X
K09WA4Z	20.0	0.15	K13B4	127.923	10.469	263.330	9.838	0.19249	0.85561	3 X
K09WE4B	16.8	0.15	K13B4	40.337	73.123	272.252	10.133	0.21055	2.57618	2 X
K09WE5T	17.7	0.15	K13B4	13.835	167.183	233.311	10.794	0.21141	2.45056	4 X
K09WF2Q	17.1	0.15	K13B4	41.752	41.521	302.804	5.804	0.25023	2.52854	3 X
K09WG6N	17.1	0.15	K13B4	15.819	142.187	275.655	3.595	0.19676	2.58100	4 X
K09WJ4K	16.7	0.15	K13B4	26.311	128.479	225.278	16.111	0.10672	2.64084	3 X
K09WJ4Z	16.0	0.15	K13B4	58.753	230.696	107.124	10.448	0.14718	2.57501	7 X
K09WL7S	17.6	0.15	K13B4	352.274	136.247	263.665	3.612	0.21280	2.60800	3 X
K09WN4Y	17.4	0.15	K13B4	39.805	98.105	271.360	10.528	0.27242	2.45170	4 X
K09WN8A	17.4	0.15	K13B4	27.796	354.393	40.261	3.700	0.09551	2.50880	4 X
K09W09G	16.7	0.15	K13B4	40.935	279.922	71.596	14.195	0.20711	2.58672	5 X
K09WPOU	17.7	0.15	K13B4	359.011	127.496	265.427	5.131	0.32499	2.59252	3 X
K09WP3E	17.9	0.15	K13B4	358.223	105.801	283.678	11.939	0.54917	2.59262	3 X
K09WP9K	17.3	0.15	K13B4	347.886	222.798	225.399	4.265	0.24794	2.56082	4 X
K09WQ1K	16.6	0.15	K13B4	26.503	305.530	46.015	15.239	0.21745	2.62979	3 X
K09WQ4D	16.6	0.15	K13B4	261.579	72.910	108.888	12.872	0.12692	2.68713	4 X
K09Y01Z	17.3	0.15	K13B4	15.997	273.491	104.291	28.490	0.39935	2.58738	3 X
K09Y02B	17.0	0.15	K13B4	354.216	318.157	108.751	11.924	0.23001	2.60147	2 X
K09Y02Z	17.5	0.15	K13B4	284.209	265.935	258.083	3.887	0.17886	2.61804	5 X
K09Y16Z	16.3	0.15	K13B4	308.112	208.252	259.806	12.107	0.12933	2.62850	4 X
K09Y21Q	17.1	0.15	K13B4	344.856	116.279	312.984	7.054	0.12213	2.69822	4 X
K09Y22M	16.3	0.15	K13B4	326.390	11.714	76.233	10.911	0.05835	2.69229	3 X
K10A43Z	16.4	0.15	K13B4	11.703	281.609	105.432	29.295	0.35319	2.61183	3 X
K10A56B	16.1	0.15	K13B4	339.605	327.990	124.702	10.121	0.05316	2.75975	6 X
K10A60E	16.8	0.15	K13B4	46.358	40.832	322.661	12.242	0.30102	2.55931	4 X
K10A72L	16.5	0.15	K13B4	344.428	16.639	70.570	5.084	0.09026	2.66076	5 X
K10A75J	15.3	0.15	K13B4	22.101	172.173	222.339	13.254	0.16994	2.53735	6 X
K10A75Z	16.7	0.15	K13B4	352.214	289.170	140.581	13.303	0.22767	2.67256	5 X
K10A80Z	16.6	0.15	K13B4	19.648	169.377	231.164	4.312	0.32236	2.58239	4 X
K10A89F	15.6	0.15	K13B4	269.691	351.833	167.981	23.072	0.08568	3.05634	3 X
K10B06E	16.4	0.15	K13B4	331.508	227.963	250.036	11.775	0.24007	2.61659	5 X
K10B42Q	15.6	0.15	K13B4	199.410	321.005	273.857	14.449	0.06488	3.18477	6 X
K10C03U	16.3	0.15	K13B4	251.976	230.542	342.890	12.728	0.14790	2.71956	5 X
K10C08F	15.7	0.15	K13B4	297.377	305.281	197.237	26.989	0.16726	3.08985	4 X
K10C12C	16.4	0.15	K13B4	350.382	34.970	65.606	12.146	0.10709	2.63422	7 X
K10C19L	17.8	0.15	K13B4	13.895	76.531	244.019	7.317	0.64546	1.54243	5 X
K10C34T	16.6	0.15	K13B4	315.983	140.203	358.879	11.672	0.13790	2.69679	4 X
K10C62S	16.7	0.15	K13B4	344.517	302.686	143.135	5.018	0.20223	2.75123	3 X
K10C74P	16.7	0.15	K13B4	290.041	0.119	141.990	5.770	0.05395	2.80288	6 X
K10C93Z	16.7	0.15	K13B4	7.580	107.195	324.860	9.592	0.10939	2.64534	4 X
K10C95L	15.9	0.15	K13B4	163.881	290.898	353.794	11.577	0.10661	2.90588	4 X
K10CC0N	16.9	0.15	K13B4	28.765	60.328	330.737	11.752	0.26979	2.65856	4 X
K10CE1X	15.8	0.15	K13B4	315.683	339.561	124.112	26.355	0.06627	2.71630	5 X
K10CE3R	16.7	0.15	K13B4	355.375	281.676	131.452	9.328	0.18200	2.74996	4 X
K10CE5R	16.5	0.15	K13B4	265.370	217.294	308.733	8.486	0.14212	2.77005	5 X
K10CI4R	17.3	0.15	K13B4	341.317	218.530	225.238	2.496	0.27842	2.69274	3 X
K10CI5R	16.0	0.15	K13B4	241.078	39.234	153.865	5.454	0.07949	3.01035	5 X
K10CK3M	15.7	0.15	K13B4	237.810	235.992	343.784	8.966	0.11334	3.09113	7 X
K10D36C	17.0	0.15	K13B4	210.332	276.155	326.570	10.132	0.04521	2.69170	4 X
K10E21Q	16.1	0.15	K13B4	141.047	283.438	349.411	9.236	0.02172	3.12547	6 X
K10E40D	16.6	0.15	K13B4	323.867	297.625	176.334	23.631	0.20571	2.76837	3 X
K10E88Q	16.5	0.15	K13B4	211.194	271.043	331.677	13.032	0.09273	2.68957	4 X
K10EBOY	16.6	0.15	K13B4	305.559	132.061	23.640	12.464	0.11561	2.87000	4 X
K10EB3Y	16.5	0.15	K13B4	312.998	91.997	60.508	13.503	0.20745	2.69242	7 X
K10EC6N	15.6	0.15	K13B4	253.378	85.729	82.241	11.433	0.08203	3.10312	5 X
K10ED8H	16.6	0.15	K13B4	297.741	145.779	23.107	10.492	0.18601	2.85099	6 X
K10EH1Z	16.5	0.15	K13B4	139.890	254.289	57.599	14.584	0.05100	2.84375	3 X
K10F12H	16.3	0.15	K13B4	327.887	98.505	353.646	8.071	0.04678	3.08300	6 X
K10F89R	17.0	0.15	K13B4	308.359	357.339	153.256	6.893	0.27389	2.75099	4 X
K10FA0N	16.3	0.15	K13B4	180.101	244.776	28.124	10.959	0.06399	3.04385	5 X
K10G24N	16.1	0.15	K13B4	235.690	181.809	1.629	9.650	0.00913	3.10579	4 X
K10G31A	17.3	0.15	K13B4	300.415	139.681	24.445	8.294	0.15271	2.79349	4 X
K10G99H	16.4	0.15	K13B4	134.350	282.355	27.468	10.543	0.13137	3.16220	3 X
K10GD0K	16.5	0.15	K13B4	296.731	115.686	48.857	12.249	0.09161	2.98242	4 X
K10GH3W	16.5	0.15	K13B4	286.005	219.471	316.764	14.178	0.14426	2.69398	4 X
K10H19Z	15.6	0.15	K13B4	129.036	216.714	105.498	17.318	0.06793	3.16109	4 X
K10H23R	15.2	0.15	K13B4	175.872	215.310	63.491	24.190	0.13147	3.17492	4 X
K10J31M	16.0	0.15	K13B4	215.487	194.499	48.658	16.061	0.10130	3.10943	4 X
K10J53D	17.1	0.15	K13B4	297.415	258.809	268.867	7.674	0.16618	2.62635	4 X
K10L14J	17.8	0.15	K13B4	338.353	295.217	177.479	12.028	0.34193	1.62605	3 X
K10L34O	15.2	0.15	K13B4	340.303	5.747	110.834	10.090	0.06385	3.17769	5 X
K10LA8F	16.2	0.15	K13B4	289.630	34.055	133.335	5.929	0.01408	3.22686	4 X
K10O57V	15.7	0.15	K13B4	327.270	226.210	241.611	20.679	0.12022	3.12260	3 X
K10S13L	19.3	0.15	K13B4	340.753	266.514	196.165	3.041	0.41540	2.00462	3 X
K10U56U	18.6	0.15	K13B4	12.055	103.428	270.542	1.603	0.17975	2.14190	4 X
K10U99K	18.1	0.15	K13B4	209.503	1.711	221.989	21.762	0.02996	1.95985	4 X
K10V86O	17.8	0.15	K13B4	53.361	304.358	74.191	23.461	0.08838	1.98060	4 X
K10VGOR	17.1	0.15	K13B4	25.121	133.853	234.369	24.286	0.16359	1.99718	3 X
K10VG2T	18.8	0.15	K13B4	22.547	88.569	261.003	2.956	0.25557	2.14183	3 X
K10X40O	17.8	0.15	K13B4	322.894	54.802	17.899	5.062	0.10187	2.20544	3 X

K10X67Z	19.6	0.15	K13B4	343.733	169.019	280.314	11.841	0.49437	2.06015	2 X
K11A20H	18.2	0.15	K13B4	338.492	110.745	331.466	5.423	0.17157	2.18183	3 X
K11A47B	17.9	0.15	K13B4	260.975	258.614	289.738	3.406	0.07657	2.19377	5 X
K11A62K	17.5	0.15	K13B4	154.886	277.004	336.630	6.346	0.09510	2.31864	4 X
K11B46V	17.3	0.15	K13B4	111.210	34.860	267.693	3.918	0.14938	2.38701	7 X
K11B73P	18.4	0.15	K13B4	335.818	149.950	274.936	0.424	0.16594	2.36674	4 X
K11BC6V	17.6	0.15	K13B4	134.893	147.179	139.147	7.536	0.09859	2.34117	4 X
K11C11B	18.1	0.15	K13B4	6.265	100.824	281.432	1.205	0.20850	2.34227	4 X
K11C17G	18.1	0.15	K13B4	264.317	65.137	109.659	3.465	0.09161	2.24581	5 X
K11C25R	16.9	0.15	K13B4	330.854	136.583	307.539	5.778	0.08283	2.31217	4 X
K11C45T	17.7	0.15	K13B4	334.009	52.703	4.528	6.204	0.11753	2.41133	2 X
K11C47T	17.8	0.15	K13B4	280.453	235.801	282.072	5.579	0.10855	2.26011	5 X
K11C60X	18.0	0.15	K13B4	36.993	60.723	313.358	3.226	0.16984	2.29364	4 X
K11C73W	17.0	0.15	K13B4	343.932	293.382	129.064	6.640	0.09430	2.33759	6 X
K11C88Y	17.6	0.15	K13B4	356.411	147.505	279.685	5.619	0.13895	2.27226	3 X
K11D00E	17.3	0.15	K13B4	207.828	64.783	161.734	6.684	0.09476	2.39395	4 X
K11D11X	17.9	0.15	K13B4	223.673	212.962	4.304	2.261	0.14907	2.40512	7 X
K11D17J	16.8	0.15	K13B4	76.557	358.274	351.813	9.847	0.13451	2.34054	6 X
K11D17X	17.7	0.15	K13B4	248.231	54.367	139.854	5.627	0.16456	2.32452	5 X
K11D47V	17.3	0.15	K13B4	268.252	213.876	327.650	7.192	0.04359	2.24365	4 X
K11D49B	17.1	0.15	K13B4	269.853	70.213	85.793	9.991	0.15351	2.36310	2 X
K11E17S	16.9	0.15	K13B4	244.318	317.620	265.041	6.188	0.17867	2.27550	7 X
K11E41Y	17.7	0.15	K13B4	234.342	132.606	70.661	4.303	0.11766	2.39320	5 X
K11E45F	17.4	0.15	K13B4	293.483	45.680	111.698	5.790	0.13498	2.28309	4 X
K11E50K	16.8	0.15	K13B4	299.365	26.734	92.191	7.445	0.07285	2.41622	4 X
K11E62U	16.6	0.15	K13B4	41.031	216.280	144.084	18.627	0.22006	2.55043	4 X
K11E86A	17.4	0.15	K13B4	215.097	204.840	32.024	11.306	0.13150	2.37401	5 X
K11F15V	17.7	0.15	K13B4	212.266	232.063	352.823	1.113	0.13872	2.35719	5 X
K11F18A	17.4	0.15	K13B4	225.435	307.522	267.574	1.921	0.13960	2.42139	6 X
K11F23G	17.5	0.15	K13B4	335.414	232.836	210.293	1.523	0.16057	2.34384	8 X
K11F27R	16.1	0.15	K13B4	305.290	56.228	43.104	22.463	0.05255	2.66602	5 X
K11F32E	16.4	0.15	K13B4	329.621	77.607	13.680	7.280	0.16974	2.57469	5 X
K11FA5H	17.6	0.15	K13B4	340.957	41.965	34.429	4.653	0.17851	2.33583	2 X
K11FD7J	18.2	0.15	K13B4	1.950	76.698	356.441	7.591	0.16939	2.25516	6 X
K11G05L	15.8	0.15	K13B4	74.768	203.652	128.908	15.692	0.19874	2.71725	6 X
K11G10P	16.3	0.15	K13B4	12.732	30.547	333.337	4.153	0.17857	3.04425	5 X
K11G30A	18.5	0.15	K13B4	297.312	70.492	75.518	3.165	0.15125	2.31378	3 X
K11G69Q	17.8	0.15	K13B4	265.049	139.443	39.349	5.611	0.15679	2.42493	5 X
K11G79X	16.6	0.15	K13B4	352.545	22.709	35.637	14.304	0.08819	2.70674	3 X
K11H18A	18.4	0.15	K13B4	298.527	295.809	226.775	4.176	0.15947	2.26604	4 X
K11H28X	16.1	0.15	K13B4	160.913	217.014	67.998	15.548	0.09760	2.64734	4 X
K11H43Y	17.4	0.15	K13B4	233.357	67.043	134.600	5.644	0.09395	2.56874	7 X
K11H55V	16.2	0.15	K13B4	302.588	1.399	122.034	14.530	0.19702	2.67839	6 X
K11H56X	16.4	0.15	K13B4	31.431	305.937	99.670	15.477	0.12640	2.64522	4 X
K11H63Y	16.3	0.15	K13B4	50.519	319.442	35.140	12.970	0.11349	2.75908	3 X
K11H70T	16.5	0.15	K13B4	136.386	215.899	69.506	6.252	0.13725	2.79997	5 X
K11H74Y	17.4	0.15	K13B4	311.166	23.376	114.791	7.009	0.17231	2.38809	5 X
K11H75J	16.2	0.15	K13B4	101.234	189.083	126.874	12.098	0.13025	2.96622	6 X
K11J24V	16.5	0.15	K13B4	321.909	252.987	211.773	11.062	0.16455	2.60892	4 X
K11K06N	17.3	0.15	K13B4	229.544	143.930	62.316	3.569	0.08650	2.64846	5 X
K11K14C	16.3	0.15	K13B4	107.575	240.697	74.539	6.730	0.06396	2.93289	3 X
K11K23H	16.5	0.15	K13B4	323.958	19.140	104.203	10.682	0.19686	2.46630	7 X
K11K26S	16.0	0.15	K13B4	184.113	335.931	270.600	12.995	0.15594	2.76307	6 X
K11K46C	16.5	0.15	K13B4	122.593	25.491	272.371	3.829	0.12400	3.07768	5 X
K11L14X	16.9	0.15	K13B4	292.800	46.311	103.991	7.642	0.08205	2.58965	5 X
K12F00B	18.0	0.15	K13B4	336.340	37.845	27.628	21.510	0.09060	1.87244	4 X
K12H00C	18.1	0.15	K13B4	16.300	202.429	197.320	21.004	0.08864	1.92419	5 X
K12H19U	16.7	0.15	K13B4	108.634	49.903	220.486	21.154	0.10108	2.39208	5 X
K12H63T	16.9	0.15	K13B4	63.484	258.579	71.362	5.829	0.31612	2.54180	7 X
K12H66W	16.7	0.15	K13B4	65.209	82.465	221.925	12.213	0.18075	2.66469	3 X
K12H74U	17.8	0.15	K13B4	282.733	278.319	213.990	20.468	0.06711	1.93635	3 X
K12J04S	18.0	0.15	K13B4	294.227	51.032	89.172	24.356	0.04896	1.85455	5 X
K12J22G	18.1	0.15	K13B4	287.009	295.394	213.333	21.927	0.12940	1.84157	2 X
K12J28A	16.2	0.15	K13B4	46.649	283.106	67.860	17.100	0.28228	2.53919	4 X
K12J33K	15.9	0.15	K13B4	76.228	207.972	111.917	7.373	0.26301	2.55413	6 X
K12J45M	16.5	0.15	K13B4	63.499	91.803	218.534	8.033	0.14733	2.76166	6 X
K12J45Q	16.4	0.15	K13B4	47.454	277.408	71.726	11.261	0.29532	2.68044	4 X
K12K04W	16.6	0.15	K13B4	91.774	192.155	123.664	25.093	0.19671	2.27486	6 X
K12K18F	17.6	0.15	K13B4	320.259	247.865	230.494	22.640	0.13675	1.84824	4 X
K12K43A	17.2	0.15	K13B4	84.067	247.198	71.278	8.976	0.23451	2.48154	5 X
K12L16N	15.9	0.15	K13B4	8.743	110.751	250.917	24.322	0.29325	3.20305	2 X
K12M02B	15.6	0.15	K13B4	98.253	13.309	278.603	13.827	0.23832	2.87106	7 X
K12M07W	16.3	0.15	K13B4	57.965	241.365	99.881	4.834	0.20860	2.56990	6 X
K12M15K	16.9	0.15	K13B4	71.817	149.714	177.542	10.364	0.20353	3.17102	3 X
K12M15T	15.7	0.15	K13B4	21.788	93.599	281.689	9.594	0.13373	3.09260	6 X
K12O02Z	16.9	0.15	K13B4	113.835	188.568	102.877	11.625	0.26294	2.67162	3 X
K12O05O	15.6	0.15	K13B4	183.430	337.812	268.463	13.189	0.11173	2.62125	5 X
K12P02T	16.3	0.15	K13B4	322.050	286.850	196.669	4.490	0.11262	2.78990	6 X
K12P04X	15.7	0.15	K13B4	46.930	62.712	301.271	8.305	0.06966	3.12902	7 X
K12P11S	15.3	0.15	K13B4	237.885	236.766	308.112	8.781	0.05150	3.12471	6 X
K12P13D	16.5	0.15	K13B4	89.728	22.182	321.635	10.573	0.12520	2.86808	4 X
K12P21Q	15.9	0.15	K13B4	351.615	121.120	311.568	17.564	0.19267	3.18229	5 X
K12P23D	15.8	0.15	K13B4	91.759	10.736	302.056	7.902	0.06039	3.17109	8 X
K12P37T	15.8	0.15	K13B4	72.066	357.329	340.842	8.814	0.07585	3.15055	5 X
K12P38O	16.5	0.15	K13B4	171.875	300.005	299.426	7.955	0.10657	2.74131	7 X
K12Q13A	16.2	0.15	K13B4	128.135	315.644	353.957	13.691	0.17440	2.68627	5 X
K12Q20Y	15.8	0.15	K13B4	54.401	49.287	329.893	14.259	0.15389	2.85647	4 X

K12Q36D	15.5	0.15	K13B4	343.664	111.201	345.126	21.928	0.06556	3.11040	5 X
K12R07E	16.2	0.15	K13B4	92.052	339.962	359.610	12.464	0.20056	3.01885	5 X
K12R35W	16.3	0.15	K13B4	218.031	232.387	10.482	12.946	0.13016	2.56439	4 X
K12R38R	15.8	0.15	K13B4	81.920	114.129	275.113	13.118	0.11030	2.70001	5 X
K12S00H	16.5	0.15	K13B4	223.652	234.585	350.829	10.972	0.01643	2.71478	4 X
K12S05G	15.7	0.15	K13B4	67.646	1.294	9.214	10.048	0.15165	3.20162	5 X
K12S19T	16.3	0.15	K13B4	35.663	195.041	198.993	10.670	0.03243	3.15978	5 X
K12S20Q	15.1	0.15	K13B4	356.854	169.214	260.695	6.861	0.04647	3.24062	5 X
K12S21W	16.8	0.15	K13B4	196.874	270.797	342.771	10.272	0.09115	2.53083	3 X
K12S24T	15.4	0.15	K13B4	358.165	80.656	11.405	7.582	0.28527	3.96303	4 X
K12S41A	16.4	0.15	K13B4	250.261	217.646	348.760	10.610	0.07038	2.54874	6 X
K12S49K	16.1	0.15	K13B4	7.361	65.770	14.444	11.445	0.09133	3.13824	4 X
K12S59Z	16.2	0.15	K13B4	130.064	111.738	171.610	3.757	0.12876	3.22836	7 X
K12S63U	16.7	0.15	K13B4	347.506	115.287	348.784	8.643	0.06154	2.78927	7 X
K12T10H	15.7	0.15	K13B4	95.458	354.898	358.886	10.584	0.05492	3.08740	5 X
K12T39O	16.4	0.15	K13B4	230.873	235.363	353.314	12.799	0.15723	2.54707	5 X
K12T42D	16.1	0.15	K13B4	340.898	128.950	341.344	10.372	0.04098	3.14240	4 X
K12T42Q	16.1	0.15	K13B4	103.216	3.626	336.930	9.152	0.09086	3.03794	3 X
K12T50E	16.5	0.15	K13B4	330.900	107.610	16.122	9.572	0.07467	3.19572	3 X
K12T59K	15.8	0.15	K13B4	53.513	46.415	340.415	8.357	0.09247	3.41715	6 X
K12T69E	16.5	0.15	K13B4	207.815	217.716	38.596	14.238	0.23386	2.63183	5 X
K12T88N	15.7	0.15	K13B4	65.084	0.178	26.782	8.167	0.03372	3.20555	6 X
K12T91P	15.8	0.15	K13B4	55.876	297.066	72.103	3.954	0.05836	3.84994	7 X
K12TA2V	15.9	0.15	K13B4	127.785	312.269	9.320	11.106	0.05119	3.02325	4 X
K12TB9M	15.8	0.15	K13B4	99.626	357.474	348.819	8.820	0.07137	3.17124	5 X
K12TD4X	16.4	0.15	K13B4	260.971	164.880	34.562	15.042	0.12413	2.59425	7 X
K12TD5T	16.7	0.15	K13B4	173.449	152.871	127.401	5.196	0.02994	2.75667	7 X
K12TE3H	16.4	0.15	K13B4	228.130	239.979	347.685	12.294	0.11828	2.71376	3 X
K12TE7N	16.0	0.15	K13B4	172.464	20.984	260.747	9.840	0.07717	2.64640	8 X
K12TF1A	16.1	0.15	K13B4	41.079	105.306	349.405	14.131	0.16679	2.60418	4 X
K12TF3H	16.2	0.15	K13B4	271.608	163.238	22.919	9.744	0.10207	2.79233	5 X
K12TI0M	16.2	0.15	K13B4	229.485	309.079	266.040	6.961	0.17407	3.05620	6 X
K12TI1T	16.4	0.15	K13B4	219.128	357.270	223.322	9.779	0.15862	3.15917	5 X
K12TI4C	15.9	0.15	K13B4	274.083	177.787	6.808	13.241	0.09092	2.92439	5 X
K12TI8O	15.5	0.15	K13B4	93.213	80.303	266.709	9.981	0.15207	3.18893	4 X
K12TJ7Q	14.8	0.15	K13B4	116.609	63.822	259.248	15.296	0.19607	3.20679	6 X
K12TM5Y	15.7	0.15	K13B4	337.020	86.647	32.520	11.215	0.04588	3.10935	6 X
K12TP5W	16.6	0.15	K13B4	197.997	96.913	157.371	6.249	0.02403	2.66583	5 X
K12TQ8X	16.9	0.15	K13B4	262.749	156.301	37.453	9.062	0.03283	2.77578	4 X
K12TS5A	15.9	0.15	K13B4	147.614	262.897	37.734	13.632	0.11315	3.09435	4 X
K12TT5M	16.0	0.15	K13B4	46.919	137.439	261.106	12.900	0.09844	3.05966	3 X
K12TU6D	15.9	0.15	K13B4	76.768	12.911	352.040	8.525	0.09952	3.16831	5 X
K12U14X	15.7	0.15	K13B4	262.091	157.685	36.777	11.592	0.07129	3.07089	4 X
K12U24H	15.9	0.15	K13B4	130.824	342.390	335.454	8.743	0.06672	3.12396	4 X
K12U26B	16.0	0.15	K13B4	157.343	306.673	347.115	10.114	0.08254	3.13902	4 X
K12U48C	15.4	0.15	K13B4	87.837	306.944	48.580	10.610	0.10766	3.57505	4 X
K12U85M	16.1	0.15	K13B4	56.072	26.889	4.954	10.619	0.06616	3.10174	6 X
K12UD9S	16.0	0.15	K13B4	154.354	324.357	329.402	10.940	0.03607	3.22249	4 X
K12UG0N	15.8	0.15	K13B4	236.218	205.565	18.161	8.759	0.09549	3.08433	7 X
K12V47G	15.6	0.15	K13B4	256.505	153.050	51.208	10.550	0.04318	3.11025	4 X
K12V64R	16.3	0.15	K13B4	147.308	257.539	44.326	13.652	0.09104	3.08486	4 X
K12VA5X	16.1	0.15	K13B4	140.726	267.861	43.790	10.274	0.07775	3.15974	6 X
K13G69G	18.7	0.15	K13B4	4.226	143.229	184.378	9.086	0.67697	2.66957	2 X
K13P11M	17.2	0.15	K13B4	358.156	130.085	270.060	5.185	0.34807	2.61200	4 X
K13P26L	16.5	0.15	K13B4	27.201	86.399	261.284	16.438	0.27867	2.61140	3 X
K13Q42Y	16.3	0.15	K13B4	6.332	359.610	21.904	14.101	0.25347	2.61710	3 X
K13Q47D	16.4	0.15	K13B4	336.878	199.511	205.191	18.078	0.23896	3.05657	4 X
K13R35E	16.3	0.15	K13B4	1.956	147.224	249.767	15.155	0.20684	2.77487	3 X
K13R53X	17.7	0.15	K13B4	43.030	29.784	295.228	3.267	0.18296	2.31814	3 X
K13R60S	16.4	0.15	K13B4	71.856	74.369	204.729	13.723	0.13689	2.66592	4 X
K13R64X	16.9	0.15	K13B4	350.486	169.243	235.451	2.860	0.19352	2.63851	2 X
K13R85O	16.9	0.15	K13B4	328.498	160.556	265.470	4.046	0.15248	2.71380	5 X
K13R91U	15.9	0.15	K13B4	27.321	125.061	232.859	22.115	0.18018	3.11020	4 X
K13R97K	16.7	0.15	K13B4	11.977	60.391	311.593	2.604	0.10820	2.78517	6 X
K13S30A	18.2	0.15	K13B4	30.026	117.928	229.849	2.555	0.19059	2.36390	3 X
K13S39T	13.5	0.15	K13B4	38.654	309.919	28.242	18.942	0.12054	5.14487	5 X
K13S51G	18.2	0.15	K13B4	31.166	305.254	36.617	2.408	0.25058	2.35196	5 X
K13S58F	16.9	0.15	K13B4	357.991	168.841	222.478	31.751	0.13248	2.58667	2 X
K13T09Q	15.9	0.15	K13B4	332.976	215.036	228.049	32.366	0.24798	2.60803	3 X
K13T12G	17.3	0.15	K13B4	28.610	339.914	8.721	5.197	0.14026	2.44623	5 X
K13T17B	16.9	0.15	K13B4	338.524	205.766	220.963	14.831	0.24661	3.12315	2 X
K13T31Z	17.4	0.15	K13B4	348.198	40.003	6.429	1.371	0.17305	2.36404	5 X
K13T46G	17.4	0.15	K13B4	346.710	39.824	8.586	1.784	0.17157	2.46068	3 X
K13T49N	17.1	0.15	K13B4	338.021	32.497	29.833	4.192	0.17544	2.66269	6 X
K13T49U	17.8	0.15	K13B4	357.447	15.354	21.394	1.134	0.18439	2.44045	5 X
K13T50W	16.9	0.15	K13B4	10.529	341.699	35.050	4.381	0.17267	2.65203	6 X
K13T51U	18.1	0.15	K13B4	18.933	349.321	354.957	3.208	0.35789	2.58787	3 X
K13T65J	16.8	0.15	K13B4	61.553	308.712	350.058	4.319	0.21747	2.65341	6 X
K13T68Q	17.2	0.15	K13B4	32.036	348.228	0.420	5.390	0.05090	2.42323	5 X
K13T71N	15.9	0.15	K13B4	323.454	213.369	217.238	8.463	0.08074	3.10241	5 X
K13T73M	16.1	0.15	K13B4	312.733	228.384	231.154	12.742	0.12815	2.68194	5 X
K13T73S	15.2	0.15	K13B4	288.531	254.781	224.229	17.443	0.07516	3.09713	6 X
K13T73Z	17.0	0.15	K13B4	348.426	198.694	223.294	11.680	0.23948	2.58722	3 X
K13T75S	15.9	0.15	K13B4	343.267	158.718	262.106	11.307	0.18210	3.09923	7 X
K13T96G	16.3	0.15	K13B4	347.500	175.045	228.091	8.778	0.15367	3.19634	2 X
K13TA1U	16.5	0.15	K13B4	312.825	93.657	13.396	8.856	0.12215	2.74782	4 X
K13TA7V	17.3	0.15	K13B4	124.598	215.950	44.301	6.645	0.08960	2.37044	8 X

K13TC60	17.4	0.15	K13B4	8.749	60.001	312.224	2.676	0.20682	2.59140	3 X
K13TC9Q	16.8	0.15	K13B4	358.905	320.099	99.437	13.988	0.26650	2.62608	3 X
K13TD6S	17.9	0.15	K13B4	43.712	116.804	214.090	1.957	0.18768	2.18584	6 X
K13TD9L	16.5	0.15	K13B4	27.782	215.057	142.302	5.689	0.30829	2.58464	6 X
K13U03R	17.0	0.15	K13B4	353.799	11.569	52.747	24.952	0.60156	3.18334	3 X
K13V08H	17.4	0.15	K13B4	5.199	210.218	193.111	2.839	0.13900	2.16341	7 X
K13WA5W	17.2	0.15	K13B4	359.372	327.089	78.047	31.271	0.41578	3.11520	2 X
T3S3752	16.8	0.15	K13B4	40.275	13.343	16.655	12.080	0.17958	2.69998	4 X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K13G69F	19.5	0.15	K13B4	7.839	152.892	175.028	9.984	0.49738	1.96691	241 X	
K13K01U	16.9	0.15	K13B4	14.222	116.432	234.671	10.148	0.40706	2.76908	205 X	
K13M07H	19.5	0.15	K13B4	16.605	257.829	87.331	55.756	0.57319	2.14867	163 X	
K13N00J	21.9	0.15	K13B4	10.149	140.072	238.989	4.144	0.28219	1.28434	159 X	
K13P02V	20.0	0.15	K13B4	342.835	317.629	100.554	6.469	0.50177	2.06451	146 X	
K13Q10J	19.5	0.15	K13B4	155.887	243.806	327.502	18.148	0.42519	0.95957	104 X	
K13Q16D	19.5	0.15	K13B4	9.715	193.973	173.186	2.900	0.52667	2.82177	100 X	
K13R02D	18.2	0.15	K13B4	40.351	298.050	15.727	5.212	0.32653	2.26815	97 X	
K13R35M	16.3	0.15	K13B4	2.911	340.715	53.519	11.654	0.32915	3.07698	92 X	
K13R68B	16.6	0.15	K13B4	327.116	72.332	34.931	9.688	0.30476	3.11366	85 X	
K13R74J	19.1	0.15	K13B4	341.988	123.512	349.269	22.349	0.72639	2.80382	84 X	
K13S19K	18.8	0.15	K13B4	10.885	146.953	231.403	26.504	0.42887	2.24853	77 X	
K13S21B	27.0	0.15	K13B4	7.094	205.043	186.268	0.811	0.23158	1.33756	73 X	
K13S24U	24.5	0.15	K13B4	3.880	28.730	9.505	5.389	0.32850	1.46846	69 X	
K13S28J	17.1	0.15	K13B4	358.676	33.696	3.602	4.228	0.30622	2.60298	96 X	
K13S55P	17.6	0.15	K13B4	18.610	336.972	38.318	8.927	0.26633	2.38550	69 X	
K13S64L	16.8	0.15	K13B4	6.958	193.635	204.524	7.262	0.18256	2.59646	84 X	
K13T00E	20.8	0.15	K13B4	0.667	190.598	203.818	19.581	0.57153	2.86859	67 X	
K13T00L	22.2	0.15	K13B4	351.078	61.851	14.866	5.896	0.45992	1.67105	67 X	
K13T06E	21.9	0.15	K13B4	358.338	187.076	221.734	7.314	0.53745	2.43678	64 X	
K13T31Y	18.3	0.15	K13B4	3.975	330.227	52.707	0.625	0.32420	2.64389	92 X	
K13T65R	17.1	0.15	K13B4	346.751	221.578	208.665	12.898	0.23095	2.65150	144 X	
K13T69N	23.3	0.15	K13B4	356.471	225.875	190.261	6.559	0.58864	2.49744	60 X	
K13T80A	18.7	0.15	K13B4	4.516	347.515	26.099	34.947	0.58550	4.16363	35 X	
K13T80B	17.5	0.15	K13B4	348.604	17.806	59.030	12.723	0.54545	2.81966	59 X	
K13T92V	18.3	0.15	K13B4	345.560	46.501	31.491	4.570	0.39823	2.46819	66 X	
K13TB7L	17.8	0.15	K13B4	344.697	112.201	3.363	9.366	0.68987	3.60392	64 X	
K13TD4C	17.9	0.15	K13B4	18.364	350.459	10.613	2.760	0.20551	2.41138	101 X	
K13TD5E	19.9	0.15	K13B4	22.535	102.809	182.543	6.049	0.75967	2.36060	57 X	
K13TD9O	16.9	0.15	K13B4	14.112	318.183	56.801	10.708	0.38947	2.67797	85 X	
K13U03S	21.1	0.15	K13B4	243.602	133.603	39.655	12.313	0.18445	1.20001	44 X	
K13U04Q	12.9	0.15	K13B4	359.487	23.310	317.661	145.258	0.98208	60.32463	45 X	
K13U05R	23.1	0.15	K13B4	149.723	207.334	29.994	15.254	0.25484	0.85944	40 X	
K13U08S	25.0	0.15	K13B4	7.716	4.643	22.880	4.739	0.26656	1.40218	40 X	
K13U09H	18.7	0.15	K13B4	355.912	186.980	222.178	13.074	0.59729	2.57945	40 X	
K13U11X	16.5	0.15	K13B4	39.314	310.638	44.074	5.312	0.28128	2.59860	78 W	
K13U12E	16.5	0.15	K13B4	7.427	355.528	35.506	15.179	0.26119	2.61847	95 X	
K13V02M	24.2	0.15	K13B4	6.700	338.610	43.386	7.292	0.45517	1.85483	34 X	
K13V04Q	21.8	0.15	K13B4	233.314	343.736	207.725	13.557	0.28974	1.11562	33 X	
K13V13G	21.8	0.15	K13B4	262.229	24.614	156.704	7.789	0.35487	1.04510	28 X	
K13V13J	23.9	0.15	K13B4	18.970	291.824	37.837	10.204	0.58164	1.86178	27 X	
K13V13Y	21.2	0.15	K13B4	18.016	86.936	261.401	5.518	0.51438	1.73204	25 X	
K13V17B	18.3	0.15	K13B4	354.786	353.755	92.446	12.994	0.71125	5.45844	29 X	
K13V17D	27.4	0.15	K13B4	5.977	138.301	231.983	4.569	0.60304	2.28575	19 X	
K13W00M	23.8	0.15	K13B4	6.942	40.846	239.417	4.140	0.91602	2.07637	12 X	
K13W43R	21.8	0.15	K13B4	43.496	42.027	280.267	5.906	0.36699	1.41285	47 X	
K13W43T	22.5	0.15	K13B4	9.920	84.490	239.420	16.619	0.74748	2.34523	11 X	
K13W44A	23.5	0.15	K13B4	176.393	176.850	56.549	2.309	0.06059	1.10043	9 X	
K13W44T	19.3	0.15	K13B4	327.617	325.739	182.736	12.169	0.56724	2.25341	10 X	
K13W45T	20.3	0.15	K13B4	309.882	121.870	33.200	9.360	0.46744	1.63090	9 X	
K13W45U	20.3	0.15	K13B4	303.474	153.979	36.037	5.763	0.58529	1.41264	9 X	
K13W67R	21.8	0.15	K13B4	9.020	67.594	270.381	5.128	0.71424	2.55700	12 X	
K13W67S	23.3	0.15	K13B4	6.652	294.375	66.530	15.217	0.67761	2.51848	8 X	
K13W67X	20.3	0.15	K13B4	349.221	30.383	70.062	33.203	0.53038	3.06803	8 X	
K13W67Y	19.4	0.15	K13B4	241.000	151.945	64.028	19.829	0.37265	1.34279	8 X	
K13WA6M	19.3	0.15	K13B4	34.236	168.748	142.204	5.793	0.64310	2.43488	10 X	
K13WA7Z	27.4	0.15	K13B4	4.573	143.940	244.079	1.935	0.35783	1.49182	9 K	
K13X03S	19.9	0.15	K13B4	189.367	340.740	251.471	27.783	0.40153	1.20019	3 W	
K13X03U	21.0	0.15	K13B4	2.802	261.484	121.591	6.884	0.59252	2.66161	4 X	
K13X03W	20.2	0.15	K13B4	22.836	282.667	70.875	4.747	0.47866	1.72358	2 X	
K13X04A	21.4	0.15	K13B4	348.638	6.829	85.356	8.479	0.59066	2.67411	14 W	
K13X04F	25.8	0.15	K13B4	53.381	232.102	65.810	5.798	0.43241	0.91361	4 S	
K13X04G	19.3	0.15	K13B4	34.241	67.422	284.462	14.634	0.42537	1.75782	3 S	
K13X04H	19.5	0.15	K13B4	322.705	205.952	286.165	15.204	0.31079	1.85850	3 S	

New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K13R26Q	17.9	0.15	K13AF	24.959	341.216	4.167	6.809	0.14094	2.36977	94 X	
K13R96L	16.9	0.15	K13AF	21.410	126.084	264.182	30.232	0.38230	2.59654	84 W	
K13S50F	17.3	0.15	K13AF	18.852	330.681	39.175	14.542	0.25873	2.67939	70 X	
K13S50H	18.6	0.15	K13AF	356.737	14.681	29.871	6.684	0.28748	2.34487	84 X	
K13S53B	17.8	0.15	K13AF	20.213	323.313	30.761	8.441	0.16367	2.29195	69 X	
K13S80Q	17.8	0.15	K13AF	9.789	3.588	359.901	4.983	0.15898	2.33565	97 X	
K13S84M	18.0	0.15	K13AF	31.991	96.902	223.668	20.696	0.29542	2.36081	83 W	
K13T01W	16.5	0.15	K13AF	25.833	122.442	232.752	5.475	0.05216	2.70163	69 X	
K13T07G	16.7	0.15	K13AF	27.857	285.076	38.079	14.860	0.42323	3.06579	89 W	

K13T13U	17.9	0.15	K13B4	342.814	184.454	229.654	5.142	0.15061	2.25898	67 X
K13T34Y	18.8	0.15	K13AF	15.488	331.423	15.476	4.529	0.29514	2.24956	93 X
K13T37X	16.5	0.15	K13AF	4.500	20.902	352.016	2.749	0.20126	3.12285	83 X
K13T47L	18.3	0.15	K13AF	12.974	331.556	32.093	3.012	0.22066	2.40661	85 X
K13T48S	18.4	0.15	K13AF	348.271	4.638	34.564	6.931	0.16418	2.27015	72 X
K13T99Z	16.5	0.15	K13B4	336.481	68.240	13.522	9.183	0.21518	2.74834	65 X
K13TC8M	16.5	0.15	K13AF	5.755	162.576	198.083	14.651	0.14448	3.19257	48 X
K13TD3F	17.1	0.15	K13B4	41.956	206.358	148.941	6.548	0.12437	2.35599	61 X
K13TD6A	18.3	0.15	K13B4	351.996	172.574	257.564	13.000	0.46968	2.75417	50 W
K13TD6N	18.2	0.15	K13AF	9.851	319.930	45.493	13.382	0.28194	2.60877	70 X
K13U00D	17.7	0.15	K13B4	253.762	260.405	251.532	22.564	0.07075	1.89648	52 X
K13U07F	16.7	0.15	K13B4	338.742	10.626	67.353	11.002	0.25584	3.11008	44 X
K13U10N	16.8	0.15	K13B4	7.461	127.687	267.102	25.439	0.43258	3.14149	36 W
K13U12J	16.3	0.15	K13B4	6.660	354.404	43.743	16.884	0.24542	2.97305	40 X
K13U12K	16.6	0.15	K13B4	345.363	192.811	230.717	13.337	0.23057	2.67861	52 X
K13V00J	19.3	0.15	K13B4	344.305	110.409	343.037	11.910	0.44186	2.41044	36 W
K13V01T	17.4	0.15	K13B4	28.156	83.161	257.466	21.806	0.31688	2.28281	51 X
K13V08W	15.8	0.15	K13B4	357.777	343.554	77.262	10.270	0.07815	3.12364	29 X
K13V17P	16.0	0.15	K13BO	36.959	316.462	51.460	14.203	0.18906	2.60253	21DW
K13V17S	17.4	0.15	K13BO	10.225	123.122	280.789	3.584	0.24516	2.41442	21 X
K13V18B	18.2	0.15	K13BO	240.884	315.950	228.001	24.049	0.07400	1.89878	27 X
K13V19D	16.4	0.15	K13B4	346.282	179.671	252.923	18.504	0.24616	3.05146	30 X
K13V20A	17.4	0.15	K13B4	356.008	315.056	90.855	6.058	0.24762	2.47881	42 X
K13V20F	17.5	0.15	K13B4	348.562	23.312	52.094	5.800	0.17737	2.39859	26 X
K13V20J	16.0	0.15	K13B4	32.270	316.452	51.460	14.204	0.18908	2.60262	32 X
K13W01C	16.9	0.15	K13BO	32.978	105.781	267.934	13.955	0.14755	3.15193	26 X
K13W01F	16.2	0.15	K13BO	28.178	269.143	103.820	7.196	0.15754	3.11022	5 W
K13W01V	15.8	0.15	K13BO	350.973	352.419	82.180	19.081	0.19147	3.10675	24 W
K13W02S	16.0	0.15	K13B4	303.531	253.116	233.627	12.947	0.15749	2.69759	28 X
K13W02T	17.3	0.15	K13BO	2.783	142.263	266.341	7.773	0.25591	2.61026	15 X
K13W03W	16.6	0.15	K13BO	3.616	284.018	115.687	12.270	0.07807	2.69648	10 X
K13W07L	18.3	0.15	K13B4	339.939	35.238	47.664	5.849	0.24152	2.34804	33 X
K13W11T	17.0	0.15	K13BO	18.660	280.406	119.808	3.901	0.15153	3.16197	11 X
K13W14N	16.9	0.15	K13BO	341.033	12.540	75.327	21.523	0.04101	2.54696	10 X
K13W14T	16.8	0.15	K13BO	344.380	346.644	98.642	5.529	0.04612	2.75863	9 X
K13W17W	16.1	0.15	K13BO	245.857	313.825	242.164	29.485	0.07947	2.56841	10 X
K13W19K	17.9	0.15	K13BO	343.090	219.680	225.486	6.193	0.06330	2.32579	10 X
K13W20N	17.4	0.15	K13BO	4.723	349.057	76.022	15.168	0.25745	2.67966	9 X
K13W24Q	17.3	0.15	K13B4	10.613	280.002	99.679	15.559	0.37493	2.58922	37 X
K13W26Y	16.4	0.15	K13B4	28.170	92.659	272.184	22.592	0.34066	3.16910	27 W
K13W40L	17.6	0.15	K13BO	8.103	358.896	56.756	5.558	0.13762	2.33062	6 X
K13W43O	17.6	0.15	K13BO	35.858	329.578	53.854	5.204	0.18408	2.64982	9 X
K13W45P	17.3	0.15	K13BO	34.872	183.301	180.706	9.624	0.33494	2.37481	8 X
K13W50N	16.1	0.15	K13BO	340.489	71.066	17.765	10.669	0.16800	3.05874	12 X
K13W50R	17.1	0.15	K13BO	10.196	132.894	270.079	13.618	0.26127	3.00266	12 X
K13W57Y	16.7	0.15	K13BO	21.652	320.441	62.271	14.393	0.26686	2.62898	8 X
K13W62Z	16.0	0.15	K13B4	9.576	277.498	117.958	8.589	0.28874	3.02229	41 X
K13W63J	16.4	0.15	K13BO	247.123	350.122	257.429	10.182	0.06186	2.62551	8 X
K13W63T	17.3	0.15	K13BO	315.864	344.024	110.010	12.682	0.06894	2.68560	6 X
K13W64M	17.3	0.15	K13P	350.870	189.399	225.513	6.788	0.32073	2.59341	143 X
K13W66S	18.1	0.15	K13BO	84.396	275.810	64.205	23.170	0.05158	1.94936	7 X
K13W67U	18.7	0.15	K13BO	66.670	234.849	101.706	8.821	0.21509	2.16604	10 X
K13W68A	18.5	0.15	K13BO	12.824	80.805	316.114	5.433	0.27334	2.29168	13 X
K13W86K	17.0	0.15	K13B4	19.002	297.917	71.009	19.565	0.31768	2.75941	40 X
K13WA4B	16.4	0.15	K13BO	333.026	210.420	266.390	4.678	0.20945	3.14007	8 X
K13WA5P	16.7	0.15	K13BO	58.388	138.203	286.746	21.411	0.04344	2.65937	6 X
K13WA6D	16.4	0.15	K13BO	14.340	277.186	116.917	8.425	0.23197	2.79322	25 X
K13WA6G	17.5	0.15	K13BO	26.682	298.300	78.612	8.849	0.26456	2.32842	8 X
K13WA7O	17.3	0.15	K13BO	323.608	28.458	76.641	9.449	0.15960	3.15564	4 W
K13WA7Q	15.2	0.15	K13BO	14.152	232.973	245.738	8.596	0.04738	3.59720	7 W
K13WA7V	10.0	0.15	K13BO	30.299	113.913	274.737	23.895	0.10341	13.68161	11EX
K13WA8A	18.8	0.15	K13BO	96.114	270.097	44.934	21.937	0.10035	1.80373	8EX
K13X01M	16.5	0.15	K13BO	341.762	294.750	130.118	12.039	0.09106	2.99683	3 X
K13X01Q	16.2	0.15	K13BO	332.285	305.065	132.627	13.131	0.10763	3.19258	3 X
K13X01R	15.6	0.15	K13BO	65.778	187.011	142.688	13.724	0.07266	3.05840	3 X
K13X02K	17.9	0.15	K13BO	15.899	278.496	124.591	5.616	0.16607	2.72114	3 W
K13X02S	16.4	0.15	K13B4	328.669	70.940	20.059	13.506	0.14002	2.55854	30 X
K13X02X	20.8	0.15	K13BO	335.039	33.496	61.747	21.764	0.14587	1.73211	10 W
K13X03A	17.4	0.15	K13BO	14.953	313.887	93.308	23.514	0.10467	1.93215	3 X
K13X03B	16.8	0.15	K13BO	291.723	266.904	240.620	19.972	0.28757	2.26021	26 X
K13X03E	18.5	0.15	K13BO	4.683	26.544	39.161	3.148	0.19823	2.49755	4 X
K13X03N	18.6	0.15	K13BO	331.619	304.325	183.909	4.509	0.39227	2.91320	2 X
K13X04B	17.6	0.15	K13BO	349.459	37.697	52.314	33.872	0.27100	2.65655	3EX
K13X04C	18.4	0.15	K13BO	107.169	203.756	117.092	23.720	0.10891	1.90800	3EX
K13X04D	18.0	0.15	K13BO	21.655	279.182	82.091	17.829	0.33666	2.53686	2EX
K13X04E	16.4	0.15	K13BO	42.768	65.498	282.537	28.470	0.37985	2.54622	2EX
K13X04J	18.9	0.15	K13BO	182.740	345.699	252.071	22.421	0.05147	1.88668	3ES
K13X04K	19.3	0.15	K13BO	265.699	271.880	255.070	17.123	0.10211	1.90030	3ES
K13X04L	18.2	0.15	K13BO	118.979	0.383	301.958	18.662	0.06587	1.84100	2ES
K13X04M	18.1	0.15	K13BO	321.082	98.298	11.397	20.256	0.07627	1.93193	11ES
K13X04N	18.5	0.15	K13BO	344.789	57.105	47.141	30.280	0.37465	2.63250	1ES
K13X04O	18.5	0.15	K13BO	307.216	325.921	156.779	24.058	0.13931	1.91979	2ES
K13X04P	17.5	0.15	K13BO	234.934	254.953	328.654	12.281	0.14831	1.92128	1ES

## New observations:

J97W23Q KC2013	12	04.93249	02	28	02.91	+17	33	10.5	18.6	RqEX038160
J97W23Q KC2013	12	04.93522	02	28	03.55	+17	33	14.7	18.4	RqEX038160

J97W23Q	KC2013	12	04.93795	02	28	04.16	+17	33	19.2	18.4	RqEX038160
K00J780	C2013	12	07.24958	03	21	58.56	+30	21	31.7	20.3	VqEX038G96
K00J780	C2013	12	07.26074	03	21	57.83	+30	21	26.0	20.6	VqEX038G96
K00J780	C2013	12	07.27191	03	21	57.11	+30	21	20.3	20.2	VqEX038G96
K00J780	C2013	12	07.28308	03	21	56.37	+30	21	15.1	20.4	VqEX038G96
K01B15Y	C2013	12	07.28282	09	02	08.11	-03	34	47.5	21.5	VuEX038807
K01B15Y	C2013	12	07.28961	09	02	08.67	-03	34	45.2	21.1	VuEX038807
K01B15Y	C2013	12	07.29661	09	02	09.20	-03	34	42.3	21.4	VuEX038807
K04X14N	C2013	12	07.28856	09	53	19.71	-05	36	39.0	19.8	VuEX038807
K04X14N	C2013	12	07.29106	09	53	20.22	-05	36	40.7	20.2	VuEX038807
K04X14N	C2013	12	07.29355	09	53	20.73	-05	36	42.6	20.0	VuEX038807
K04X14N	C2013	12	07.29604	09	53	21.23	-05	36	44.5	20.2	VuEX038807
K04X14N	C2013	12	07.29854	09	53	21.74	-05	36	46.3	20.0	VuEX038807
K05V02A	JC2013	12	07.32521	02	09	10.71	+11	35	26.0	22.1	RoEX038695
K05V02A	JC2013	12	07.33148	02	09	10.36	+11	35	22.3	22.2	RoEX038695
K05V02A	JC2013	12	07.33774	02	09	10.01	+11	35	18.6	22.2	RoEX038695
K08Q11S	KC2013	12	07.17928	21	38	10.77	+13	15	31.8	19.1	RoEX038291
K08Q11S	KC2013	12	07.18066	21	38	11.03	+13	15	37.7	18.9	RoEX038291
K08Q11S	KC2013	12	07.18205	21	38	11.31	+13	15	43.1	18.8	RoEX038291
K08T02Q	C2013	12	07.42006	08	18	33.54	+03	10	48.8	18.2	VqEX038703
K08T02Q	C2013	12	07.42715	08	18	35.70	+03	10	28.4	18.6	VqEX038703
K08T02Q	C2013	12	07.43425	08	18	37.85	+03	10	07.7	18.7	VqEX038703
K08V00N	KC2013	12	07.06929	21	59	09.00	-22	48	50.0	20.3	RoEX038291
K08V00N	KC2013	12	07.07319	21	59	10.06	-22	48	42.5	18.9	RoEX038291
K08V00N	KC2013	12	07.07713	21	59	11.13	-22	48	34.9	19.0	RoEX038291
K09WA4Z	C2013	12	07.33601	10	46	51.63	+04	46	51.5	20.2	VuEX038807
K09WA4Z	C2013	12	07.33850	10	46	51.75	+04	46	42.5	20.0	VuEX038807
K09WA4Z	C2013	12	07.34100	10	46	51.89	+04	46	33.9	20.2	VuEX038807
K09WA4Z	C2013	12	07.34350	10	46	52.05	+04	46	25.4	20.1	VuEX038807
K09WA4Z	C2013	12	07.34598	10	46	52.20	+04	46	16.8	20.0	VuEX038807
K09WP3E	C2013	12	07.07664	23	28	39.33	+22	23	51.5	18.2	VqEX038703
K09WP3E	C2013	12	07.08267	23	28	41.18	+22	23	53.9	18.2	VqEX038703
K09WP3E	C2013	12	07.08872	23	28	42.94	+22	23	55.9	18.3	VqEX038703
K09WP3E	C2013	12	07.09475	23	28	44.73	+22	23	58.5	18.4	VqEX038703
K10C19L	KC2013	12	06.90433	01	30	22.69	+06	36	28.2	15.8	VwEX038I76
K10C19L	KC2013	12	06.90617	01	30	23.72	+06	36	31.0	15.8	VwEX038I76
K10C19L	KC2013	12	06.90801	01	30	24.75	+06	36	34.1	15.8	VwEX038I76
K10C19L	KC2013	12	06.90968	01	30	25.68	+06	36	36.7	15.8	VwEX038I76
K10C19L	KC2013	12	06.91170	01	30	26.79	+06	36	40.0	15.8	VwEX038I76
K10L14J	C2013	12	07.33607	10	38	32.83	-19	30	08.0	19.4	VuEX038807
K10L14J	C2013	12	07.33860	10	38	33.43	-19	30	11.0	19.6	VuEX038807
K10L14J	C2013	12	07.34114	10	38	34.04	-19	30	13.7	19.7	VuEX038807
K10L14J	C2013	12	07.34366	10	38	34.65	-19	30	16.6	19.7	VuEX038807
K10L14J	C2013	12	07.34615	10	38	35.25	-19	30	19.4	19.3	VuEX038807
K10S13L	KC2013	12	06.97217	07	28	22.57	+08	40	51.4	17.9	VwEX038I76
K10S13L	KC2013	12	06.97943	07	28	23.66	+08	40	42.8	18.0	VwEX038I76
K10S13L	KC2013	12	06.98670	07	28	24.72	+08	40	34.0	17.7	VwEX038I76
K10S13L	KC2013	12	07.17861	07	28	54.82	+08	37	38.1	17.9	VuEX038I45
K10S13L	KC2013	12	07.19390	07	28	57.05	+08	37	21.9	18.3	VuEX038I45
K10X67Z	C2013	12	04.85315	00	07	22.51	+60	02	39.9	16.5	RqEX038C23
K10X67Z	C2013	12	04.85464	00	07	22.95	+60	02	40.8	16.5	RqEX038C23
K10X67Z	C2013	12	04.85614	00	07	23.35	+60	02	41.6	16.3	RqEX038C23
K10X67Z	C2013	12	04.85764	00	07	23.93	+60	02	41.6	15.5	RqEX038C23
K13G69F	KC2013	12	07.10549	22	27	48.29	-17	10	24.7	21.1	RoEX038291
K13G69F	KC2013	12	07.11030	22	27	49.70	-17	10	19.3		oEX038291
K13G69F	KC2013	12	07.11510	22	27	51.08	-17	10	14.4	21.1	RoEX038291
K13G69G	KC2013	12	07.11928	22	42	55.10	-15	43	38.6	19.7	RoEX038291
K13G69G	KC2013	12	07.12103	22	42	55.74	-15	43	35.8	19.8	RoEX038291
K13G69G	KC2013	12	07.12279	22	42	56.34	-15	43	33.5	19.9	RoEX038291
K13M07H	C2013	12	07.21115	05	57	30.35	-11	46	10.5	19.9	VuEX038807
K13M07H	C2013	12	07.21364	05	57	29.59	-11	45	57.6	19.8	VuEX038807
K13M07H	C2013	12	07.21613	05	57	28.83	-11	45	44.6	20.0	VuEX038807
K13M07H	C2013	12	07.21862	05	57	28.07	-11	45	31.7	19.8	VuEX038807
K13M07H	C2013	12	07.22111	05	57	27.32	-11	45	18.7	19.7	VuEX038807
K13N00J	C2013	12	07.39589	05	54	05.29	-04	06	00.6	16.0	VqEX038703
K13N00J	C2013	12	07.40396	05	54	04.57	-04	05	37.1	16.0	VqEX038703
K13N00J	C2013	12	07.41203	05	54	03.88	-04	05	13.8	15.9	VqEX038703
K13P02V	KC2013	12	07.08384	22	26	17.89	-19	35	29.1	20.7	RoEX038291
K13P02V	KC2013	12	07.09014	22	26	19.13	-19	35	20.2	21.2	RoEX038291
K13P02V	KC2013	12	07.09653	22	26	20.42	-19	35	11.0	21.0	RoEX038291
K13Q10J	KC2013	12	07.15993	22	28	40.59	+17	44	31.2	21.3	RoEX038291
K13Q10J	KC2013	12	07.16671	22	28	41.32	+17	44	31.2	21.1	RoEX038291
K13Q10J	KC2013	12	07.17354	22	28	42.02	+17	44	31.7	21.1	RoEX038291
K13R74J	JC2013	12	07.07895	21	42	57.03	+11	04	17.6	20.1	RoEX038695
K13R74J	JC2013	12	07.08142	21	42	57.06	+11	04	19.7	20.0	RoEX038695
K13R74J	JC2013	12	07.08473	21	42	57.09	+11	04	22.6	20.1	RoEX038695
K13R74J	JC2013	12	07.08803	21	42	57.11	+11	04	25.3	20.1	RoEX038695
K13R74J	JC2013	12	07.09050	21	42	57.14	+11	04	27.4	20.1	RoEX038695
K13S19K	C2013	12	07.02333	03	55	49.88	-04	33	13.4	19.2	VuEX038807
K13S19K	C2013	12	07.02581	03	55	49.83	-04	33	17.9	19.1	VuEX038807
K13S19K	C2013	12	07.02829	03	55	49.78	-04	33	22.6	19.7	VuEX038807
K13S19K	C2013	12	07.03076	03	55	49.74	-04	33	26.8	19.4	VuEX038807
K13S19K	C2013	12	07.03324	03	55	49.70	-04	33	31.6	18.9	VuEX038807
K13S21B	JC2013	12	07.37175	05	44	04.66	+15	28	57.0	22.9	RoEX038695
K13S21B	JC2013	12	07.37639	05	44	04.46	+15	28	58.8	22.9	RoEX038695
K13S21B	JC2013	12	07.38104	05	44	04.29	+15	29	00.3	23.1	RoEX038695
K13S21B	JC2013	12	07.39065	05	44	03.90	+15	29	04.0	23.0	RoEX038695

K13S24U	JC2013	12	07.42731	10	27	19.69	+44	38	53.6	22.9	RoEX038695
K13S24U	JC2013	12	07.44493	10	27	18.42	+44	38	55.2	22.8	RoEX038695
K13S24U	JC2013	12	07.45393	10	27	17.76	+44	38	55.9	22.9	RoEX038695
K13T00E	C2013	12	07.09294	03	01	09.52	-25	08	43.2	21.3	VuEX038807
K13T00E	C2013	12	07.09841	03	01	10.16	-25	08	42.2	21.4	VuEX038807
K13T00E	C2013	12	07.10387	03	01	10.77	-25	08	41.3	21.4	VuEX038807
K13T00L	JC2013	12	07.49532	12	51	08.77	+10	58	53.5	22.5	RoEX038695
K13T00L	JC2013	12	07.50414	12	51	09.74	+10	58	42.9	21.8	RoEX038695
K13T00L	JC2013	12	07.52614	12	51	12.18	+10	58	15.2	21.7	RoEX038695
K13T06E	C2013	12	07.38177	05	10	56.00	-01	33	45.0	18.9	VqEX038703
K13T06E	C2013	12	07.38985	05	10	56.88	-01	33	50.3	18.9	VqEX038703
K13T06E	C2013	12	07.39792	05	10	57.71	-01	33	55.6	19.0	VqEX038703
K13T06E	C2013	12	07.40599	05	10	58.70	-01	33	59.6	19.2	VqEX038703
K13T69N	C2013	12	07.26266	07	19	40.67	-30	23	42.0	21.4	VuEX038807
K13T69N	C2013	12	07.26816	07	19	41.59	-30	23	27.8	21.0	VuEX038807
K13T69N	C2013	12	07.27367	07	19	42.50	-30	23	13.5	21.1	VuEX038807
K13T80B	KC2013	12	06.78127	01	18	52.80	+07	58	00.0	17.0	RwEX038I99
K13T80B	KC2013	12	06.78478	01	18	52.87	+07	58	08.1	17.2	RwEX038I99
K13T80B	KC2013	12	06.78828	01	18	53.00	+07	58	15.8	17.2	RwEX038I99
K13T80B	KC2013	12	06.87784	01	18	55.48	+08	01	35.4	17.8	VwEX038I76
K13T80B	KC2013	12	06.88525	01	18	55.67	+08	01	51.5	17.9	VwEX038I76
K13T80B	C2013	12	07.13108	01	19	04.49	+08	11	01.7	17.3	VqEX038G96
K13T80B	C2013	12	07.13838	01	19	04.69	+08	11	17.9	17.3	VqEX038G96
K13T80B	C2013	12	07.14565	01	19	04.90	+08	11	34.1	17.3	VqEX038G96
K13T80B	C2013	12	07.15294	01	19	05.10	+08	11	50.4	17.3	VqEX038G96
K13TB7L	4C2013	11	12.19449	00	47	00.32	+17	20	55.1	19.0	RqEX038290
K13TB7L	4C2013	11	12.19660	00	47	00.13	+17	20	55.1	19.1	RqEX038290
K13TB7L	4C2013	11	12.19870	00	46	59.95	+17	20	55.1	19.0	RqEX038290
K13TB7L	4C2013	11	12.20081	00	46	59.77	+17	20	55.1	19.2	RqEX038290
K13TB7L	4C2013	11	12.20292	00	46	59.59	+17	20	55.2	19.1	RqEX038290
K13TB7L	4C2013	11	12.20406	00	46	59.48	+17	20	55.1	19.3	VqEX038290
K13TB7L	4C2013	11	12.20512	00	46	59.39	+17	20	55.2	19.5	VqEX038290
K13TB7L	4C2013	11	12.20617	00	46	59.30	+17	20	55.2	19.4	VqEX038290
K13TB7L	4C2013	11	12.20722	00	46	59.20	+17	20	55.3	19.5	VqEX038290
K13TB7L	4C2013	12	07.07261	00	26	16.07	+18	00	53.4	18.5	RqEX038290
K13TB7L	4C2013	12	07.07435	00	26	16.05	+18	00	53.8	18.6	RqEX038290
K13TB7L	4C2013	12	07.07610	00	26	16.02	+18	00	54.4	18.6	RqEX038290
K13TB7L	4C2013	12	07.07788	00	26	16.00	+18	00	54.9	18.5	RqEX038290
K13TB7L	4C2013	12	07.07963	00	26	15.97	+18	00	55.2	18.6	RqEX038290
K13TB7L	4C2013	12	07.08138	00	26	15.95	+18	00	55.7	18.5	RqEX038290
K13TB7L	4C2013	12	07.08326	00	26	15.92	+18	00	56.0	18.8	VqEX038290
K13TB7L	4C2013	12	07.08501	00	26	15.90	+18	00	56.5	18.8	VqEX038290
K13TB7L	4C2013	12	07.08675	00	26	15.88	+18	00	56.9	18.8	VqEX038290
K13TD5E	KC2013	12	07.25728	02	03	30.27	+03	34	54.3	22.4	RoEX038291
K13TD5E	KC2013	12	07.26647	02	03	30.20	+03	34	57.0	22.9	RoEX038291
K13U03R	C2013	10	25.44937	02	11	29.114	-24	11	34.31	17.0	rLEX038F51
K13U03R	C2013	10	25.46104	02	11	27.783	-24	11	10.74	16.9	rLEX038F51
K13U03R	C2013	10	28.37101	02	06	12.011	-22	25	37.75	17.3	gLEX038F51
K13U03R	C2013	10	28.38348	02	06	10.529	-22	25	08.30	17.2	gLEX038F51
K13U03R	KC2013	12	04.90698	01	09	49.26	+18	23	55.4	16.6	RqEX038I60
K13U03R	KC2013	12	04.90958	01	09	49.19	+18	24	06.6	16.5	RqEX038I60
K13U03R	KC2013	12	04.91218	01	09	49.09	+18	24	16.4	16.5	RqEX038I60
K13U03R	KC2013	12	06.89230	01	09	04.68	+20	39	42.6	16.7	VwEX038I76
K13U03R	KC2013	12	06.89410	01	09	04.61	+20	39	49.8	16.8	VwEX038I76
K13U03R	KC2013	12	06.89590	01	09	04.59	+20	39	57.1	16.7	VwEX038I76
K13U03R	KC2013	12	06.89611	01	09	04.38	+20	39	55.6	16.4	RuEX038K38
K13U03R	KC2013	12	06.89769	01	09	04.54	+20	40	04.4	16.9	VwEX038I76
K13U03R	KC2013	12	06.89948	01	09	04.48	+20	40	11.4	16.7	VwEX038I76
K13U03R	KC2013	12	06.90127	01	09	04.44	+20	40	18.7	16.8	VwEX038I76
K13U03R	KC2013	12	06.91631	01	09	03.90	+20	41	16.7	16.5	RuEX038K38
K13U03R	C2013	12	07.10395	01	09	01.65	+20	53	58.6	16.6	VqEX038703
K13U03R	C2013	12	07.11049	01	09	01.49	+20	54	25.3	16.6	VqEX038703
K13U03R	C2013	12	07.11704	01	09	01.34	+20	54	51.7	16.6	VqEX038703
K13U03R	C2013	12	07.12358	01	09	01.17	+20	55	18.0	16.6	VqEX038703
K13U03S	JC2013	12	07.13495	00	52	17.98	+21	22	42.5	20.2	RoEX038695
K13U03S	JC2013	12	07.13904	00	52	17.71	+21	22	45.7	20.1	RoEX038695
K13U03S	JC2013	12	07.14116	00	52	17.56	+21	22	47.3	20.3	RoEX038695
K13U03S	JC2013	12	07.14398	00	52	17.37	+21	22	49.6	20.2	RoEX038695
K13U03S	JC2013	12	07.14610	00	52	17.24	+21	22	51.2	20.4	RoEX038695
K13U04Q	KC2013	12	07.09096	02	43	00.89	-31	11	37.3	18.9	uEX038I36
K13U04Q	KC2013	12	07.09495	02	43	00.30	-31	11	36.8	18.6	uEX038I36
K13U04Q	KC2013	12	07.09892	02	43	59.66	-31	11	37.2	18.8	uEX038I36
K13U05R	JC2013	12	07.10097	22	55	28.06	+31	07	38.1	23.0	RoEX038695
K13U05R	JC2013	12	07.10748	22	55	28.30	+31	07	41.2	22.8	RoEX038695
K13U05R	JC2013	12	07.11073	22	55	28.43	+31	07	42.9	22.7	RoEX038695
K13U05R	JC2013	12	07.11724	22	55	28.69	+31	07	46.4	22.9	RoEX038695
K13U05R	JC2013	12	07.12374	22	55	28.93	+31	07	49.9	22.9	RoEX038695
K13U08S	JC2013	12	07.39856	03	52	30.69	+52	44	23.7	22.2	RoEX038695
K13U08S	JC2013	12	07.40008	03	52	30.82	+52	44	22.3	22.4	RoEX038695
K13U08S	JC2013	12	07.40160	03	52	31.02	+52	44	20.4	22.3	RoEX038695
K13U08S	JC2013	12	07.40312	03	52	31.19	+52	44	19.0	22.3	RoEX038695
K13U09H	KC2013	12	04.07893	00	54	19.64	-26	21	06.6	18.3	uEX038I36
K13U09H	KC2013	12	04.08090	00	54	20.75	-26	21	10.4	18.4	uEX038I36
K13U09H	KC2013	12	04.08352	00	54	22.22	-26	21	15.6	18.4	uEX038I36
K13U09H	KC2013	12	07.08018	01	22	54.11	-27	37	35.9	17.5	uEX038I36
K13U09H	KC2013	12	07.08339	01	22	55.86	-27	37	39.7	17.6	uEX038I36
K13U09H	KC2013	12	07.08657	01	22	57.61	-27	37	43.2	17.5	uEX038I36



K13V02M	JC2013	12	07.40840	04	53	07.04	+47	27	59.4	21.0	RoEX038695
K13V02M	JC2013	12	07.41022	04	53	07.07	+47	27	59.1	21.2	RoEX038695
K13V02M	JC2013	12	07.48173	04	53	07.96	+47	27	46.1	21.1	RoEX038695
K13V02M	JC2013	12	07.48429	04	53	08.01	+47	27	45.5	21.1	RoEX038695
K13V04Q	KC2013	12	07.18977	02	04	33.89	-14	34	23.8	21.3	RoEX038291
K13V04Q	KC2013	12	07.19880	02	04	33.14	-14	34	33.8	21.2	RoEX038291
K13V04Q	KC2013	12	07.20788	02	04	32.41	-14	34	42.9	21.6	RoEX038291
K13V13G	C2013	12	07.02463	04	00	58.15	-53	02	21.9	20.5	VuEX038807
K13V13G	C2013	12	07.02836	04	00	56.59	-53	02	46.4	20.3	VuEX038807
K13V13G	C2013	12	07.03206	04	00	55.02	-53	03	10.5	20.4	VuEX038807
K13V13J	JC2013	12	07.21706	02	30	33.71	+32	47	52.9	22.8	RoEX038695
K13V13J	JC2013	12	07.22796	02	30	34.18	+32	47	51.7	23.1	RoEX038695
K13V13J	JC2013	12	07.23885	02	30	34.61	+32	47	50.8	23.3	RoEX038695
K13V13Y	C2013	11	25.54148	05	53	21.303+31		52	24.70	18.6	iLEX038F51
K13V13Y	KC2013	12	06.92352205	16	25.04	+25	35	37.1		19.3	VqEX038Z81
K13V13Y	KC2013	12	06.97063105	16	18.02	+25	34	26.5		19.7	VqEX038Z81
K13V13Y	KC2013	12	07.02744205	16	09.50	+25	33	01.2		19.4	VqEX038Z81
K13V17D	2C2013	12	03.49986705	19	53.317+10		39	39.73		24.0	RtEX038568
K13V17D	2C2013	12	03.50720005	19	53.026+10		39	39.34		24.4	RtEX038568
K13V17D	2C2013	12	03.51450105	19	52.738+10		39	38.96		24.1	RtEX038568
K13V17D	2C2013	12	03.52180905	19	52.453+10		39	38.55		24.0	RtEX038568
K13V17D	2C2013	12	03.52912205	19	52.171+10		39	38.13		24.1	RtEX038568
K13W00M	JC2013	12	07.17689	02	12	41.48	+12	02	12.2	23.4	RoEX038695
K13W00M	JC2013	12	07.19174	02	12	41.98	+12	02	14.2	23.3	RoEX038695
K13W00M	JC2013	12	07.19945	02	12	42.30	+12	02	15.3	22.8	RoEX038695
K13W43R	C2013	10	21.51996	04	51	57.474+58		50	12.20	20.1	iLEX038F51
K13W43R	C2013	10	21.52741	04	51	54.469+58		49	52.96	20.1	iLEX038F51
K13W43R	KC2013	12	07.39748	03	00	37.12	+28	08	30.2	20.5	RoEX038291
K13W43R	KC2013	12	07.40124	03	00	37.08	+28	08	25.2	20.5	RoEX038291
K13W43R	KC2013	12	07.40500	03	00	37.06	+28	08	20.0	20.6	RoEX038291
K13W43T	KC2013	12	07.37710	03	31	07.36	+07	18	12.9	21.0	RoEX038291
K13W43T	KC2013	12	07.38389	03	31	07.39	+07	18	06.9	21.3	RoEX038291
K13W43T	KC2013	12	07.39071	03	31	07.38	+07	18	00.7	21.9	RoEX038291
K13W44A	C2013	12	07.38818	05	02	36.78	+27	45	30.2	19.9	VqEX038G96
K13W44A	C2013	12	07.39353	05	02	35.69	+27	45	32.0	20.4	VqEX038G96
K13W44A	C2013	12	07.39886	05	02	34.63	+27	45	34.1	20.1	VqEX038G96
K13W44A	C2013	12	07.40424	05	02	33.59	+27	45	36.6	19.9	VqEX038G96
K13W44T	C2013	12	06.39745	04	09	35.287-15		07	23.90	19.7	gLEX038F51
K13W44T	C2013	12	06.41026	04	09	34.189-15		07	45.32	19.7	gLEX038F51
K13W44T	C2013	12	07.26308	04	08	27.82	-15	31	31.5	19.7	VqEX038703
K13W44T	C2013	12	07.26964	04	08	27.41	-15	31	42.6	19.0	VqEX038703
K13W44T	C2013	12	07.27619	04	08	26.88	-15	31	52.4	19.0	VqEX038703
K13W45T	C2013	11	27.32957	03	28	36.748+39		39	50.73	19.7	gLEX038F51
K13W45U	KC2013	12	07.11480609	37	18.44	+37	48	42.4		19.2	VqEX038Z81
K13W45U	KC2013	12	07.12798609	37	27.88	+37	48	54.2		19.2	VqEX038Z81
K13W45U	KC2013	12	07.14460809	37	39.73	+37	49	08.7		19.4	VqEX038Z81
K13W67R	C2013	11	25.30872	03	51	58.216+34		47	55.24	19.5	rLEX038F51
K13W67R	C2013	11	25.32022	03	51	57.632+34		47	11.24	19.4	rLEX038F51
K13W67R	KC2013	12	07.36400	03	49	14.43	+26	40	40.1	20.4	RoEX038291
K13W67R	KC2013	12	07.36723	03	49	14.41	+26	40	35.0	20.3	RoEX038291
K13W67R	KC2013	12	07.37047	03	49	14.39	+26	40	30.1	19.9	RoEX038291
K13W67S	KC2013	12	07.48726	06	35	35.06	+40	43	42.0	20.8	RoEX038291
K13W67S	KC2013	12	07.49261	06	35	33.54	+40	43	53.1	20.9	RoEX038291
K13W67S	KC2013	12	07.49799	06	35	31.99	+40	44	04.4	20.9	RoEX038291
K13W67Y	C2013	11	28.53377	06	10	40.539+34		16	15.81	20.3	rLEX038F51
K13W67Y	C2013	11	28.54564	06	10	39.277+34		16	34.61	20.3	rLEX038F51
K13W67Y	C2013	12	05.55250	05	56	17.690+37		28	46.49	20.2	gLEX038F51
K13W67Y	C2013	12	05.56210	05	56	16.253+37		29	02.54	20.2	gLEX038F51
K13WA6M	KC2013	12	07.43996	04	37	18.95	+11	56	15.6	21.8	RoEX038291
K13WA6M	KC2013	12	07.44447	04	37	18.61	+11	56	15.2	21.7	RoEX038291
K13WA6M	KC2013	12	07.44900	04	37	18.12	+11	56	15.9	21.9	RoEX038291
K13X03S	=C2013	12	06.49727	03	48	02.01	+23	48	58.7	21.1	tEX038568
K13X03S	=C2013	12	06.49830	03	48	01.85	+23	48	56.8	21.1	tEX038568
K13X03S	=C2013	12	06.49941	03	48	01.67	+23	48	54.3	21.2	tEX038568
K13X03S	=C2013	12	06.50043	03	48	01.52	+23	48	52.3	20.7	tEX038568
K13X03S	=C2013	12	06.50145	03	48	01.35	+23	48	50.1	20.9	tEX038568
K13X03U	C2013	12	07.02454	03	25	58.62	-06	31	18.3	19.9	VuEX038807
K13X03U	C2013	12	07.02832	03	25	59.10	-06	31	06.3	20.0	VuEX038807
K13X03U	C2013	12	07.03205	03	25	59.56	-06	30	54.2	19.9	VuEX038807
K13X04A	C2013	11	23.34612	03	50	37.421-03		36	16.24	18.9	iLEX038F51
K13X04A	C2013	11	23.39059	03	50	40.858-03		35	01.42	19.1	iLEX038F51
K13X04A	C2013	11	24.39139	03	52	17.939-03		05	36.37	19.0	rLEX038F51
K13X04A	C2013	11	24.40323	03	52	18.897-03		05	14.62	18.9	rLEX038F51
K13X04A	C2013	12	04.28678	04	13	40.133+04		09	10.78	18.9	gLEX038F51
K13X04A	C2013	12	04.29948	04	13	42.022+04		09	56.07	18.9	gLEX038F51
K13X04A	KC2013	12	06.96938	04	21	38.54	+06	59	52.6	17.9	RuEX038K38
K13X04A	KC2013	12	06.99204	04	21	42.52	+07	01	25.6	17.8	RuEX038K38
K13X04A	KC2013	12	07.00606	04	21	45.48	+07	02	26.3	18.3	VuEX038958
K13X04A	KC2013	12	07.01351	04	21	46.78	+07	02	57.0	18.4	VuEX038958
K13X04A	KC2013	12	07.02521	04	21	48.83	+07	03	44.7	18.3	VuEX038958
K13X04A	C2013	12	07.06305	04	21	58.56	+07	07	44.2		uEX038844
K13X04A	C2013	12	07.06624	04	21	59.07	+07	07	53.5		uEX038844
K13X04A	C2013	12	07.06943	04	21	59.56	+07	08	07.0		uEX038844
K13X04A	C2013	12	07.07262	04	22	00.12	+07	08	20.5		uEX038844
K13X04A	C2013	12	07.07582	04	22	00.66	+07	08	33.4		uEX038844
K13X04A	C2013	12	07.29813	04	22	42.59	+07	22	46.8	18.0	VqEX038G96
K13X04A	C2013	12	07.30600	04	22	43.96	+07	23	19.7	18.1	VqEX038G96



K13X04A	C2013	12	07.31387	04	22	45.33	+07	23	52.5	18.1	VqEX038G96
K13X04A	C2013	12	07.32179	04	22	46.71	+07	24	25.6	18.0	VqEX038G96
01943	C2013	12	07.45754	09	00	53.38	+06	45	48.6	17.4	VqEX038703
01943	C2013	12	07.46511	09	00	53.69	+06	45	40.5	17.4	VqEX038703
01943	C2013	12	07.47267	09	00	53.99	+06	45	32.8	17.4	VqEX038703
01943	C2013	12	07.48024	09	00	54.31	+06	45	24.9	17.4	VqEX038703
02062	2C2013	12	05.01367007	33	11.98	-22	00	47.1	16.1	RuEX038089	
02062	2C2013	12	05.01904907	33	11.52	-22	00	42.3	16.0	RuEX038089	
02062	2C2013	12	05.02059007	33	11.32	-22	00	41.3	16.4	RuEX038089	
02062	2C2013	12	05.03464107	33	10.13	-22	00	30.1	15.7	RuEX038089	
02062	2C2013	12	05.03954307	33	09.70	-22	00	26.2	15.8	RuEX038089	
02062	2C2013	12	05.04108807	33	09.57	-22	00	25.1	16.9	RuEX038089	
02062	2C2013	12	05.04262807	33	09.43	-22	00	23.3	16.1	RuEX038089	
05143	C2013	12	06.47377	23	31	28.62	+07	40	11.2	18.4	RqEX038D29
05143	C2013	12	06.48968	23	31	28.65	+07	40	07.5	18.7	RqEX038D29
05797	C2013	12	06.63398	12	31	02.968	-04	32	28.10	21.2	wLEX038F51
05797	C2013	12	06.64187	12	31	04.442	-04	32	39.98	21.0	wLEX038F51
05797	C2013	12	06.64582	12	31	05.187	-04	32	46.03	21.0	wLEX038F51
05828	C2013	12	07.31935	05	21	09.16	-15	42	32.9	19.2	VqEX038703
05828	C2013	12	07.32785	05	21	08.31	-15	42	30.4	18.9	VqEX038703
05828	C2013	12	07.33635	05	21	07.28	-15	42	27.7	19.1	VqEX038703
08201	C2013	12	07.22441	02	59	16.29	+02	18	16.8	19.0	VqEX038703
08201	C2013	12	07.23096	02	59	15.67	+02	18	15.6	19.5	VqEX038703
08201	C2013	12	07.23751	02	59	15.19	+02	18	14.1	19.4	VqEX038703
16834	KC2013	12	06.82887	03	56	03.73	+27	13	49.3	17.5	RwEX038I99
16834	KC2013	12	06.83486	03	56	03.13	+27	13	44.5	17.6	RwEX038I99
16834	KC2013	12	06.84089	03	56	02.41	+27	13	39.3	17.7	RwEX038I99
39565	KC2013	12	04.81599	00	20	27.59	+22	23	16.7	19.2	RqEX038160
39565	KC2013	12	04.81872	00	20	28.05	+22	23	18.6	19.3	RqEX038160
39565	KC2013	12	04.82143	00	20	28.52	+22	23	20.6	18.7	RqEX038160
40267	C2013	12	06.63199	12	30	58.896	-10	56	36.14	18.3	wLEX038F51
40267	C2013	12	06.63594	12	30	59.028	-10	56	33.53	18.2	wLEX038F51
53435	C2013	12	03.16757	09	40	29.09	+39	33	22.1	15.5	RcEX038A24
53435	C2013	12	03.16829	09	40	29.16	+39	33	23.0	15.4	RcEX038A24
53435	C2013	12	03.20349	09	40	32.52	+39	34	07.2	15.3	RcEX038A24
53435	C2013	12	03.20421	09	40	32.59	+39	34	08.0	15.3	RcEX038A24
53435	C2013	12	03.21029	09	40	33.18	+39	34	15.6	15.3	RcEX038A24
53435	C2013	12	03.21101	09	40	33.24	+39	34	16.5	15.2	RcEX038A24
85818	C2013	12	07.10647	01	21	24.27	+25	33	24.0	17.9	VqEX038703
85818	C2013	12	07.11301	01	21	23.98	+25	33	06.4	17.9	VqEX038703
85818	C2013	12	07.11955	01	21	23.64	+25	32	48.9	17.9	VqEX038703
85818	C2013	12	07.12610	01	21	23.35	+25	32	30.8	17.9	VqEX038703
85839	C2013	12	07.22763	05	56	45.67	+38	16	35.4	18.9	RoEX038926
85839	C2013	12	07.24556	05	56	43.74	+38	16	42.6	19.1	RoEX038926
85839	C2013	12	07.26796	05	56	41.36	+38	16	52.0	18.9	RoEX038926
D7099	C2013	12	07.48723	08	00	13.94	+18	33	07.8	20.0	VqEX038703
D7099	C2013	12	07.49378	08	00	13.24	+18	33	19.6	20.1	VqEX038703
D7099	C2013	12	07.50033	08	00	12.68	+18	33	29.6	20.2	VqEX038703
D7099	C2013	12	07.50688	08	00	11.82	+18	33	42.2	20.2	VqEX038703
D7924	KC2013	12	07.18185311	08	34.03	+33	16	39.0	20.1	VqEX038Z81	
D7924	KC2013	12	07.20897011	08	33.62	+33	17	06.7	19.9	VqEX038Z81	
D7924	KC2013	12	07.23592911	08	33.18	+33	17	34.2	20.0	VqEX038Z81	
D8852	KC2013	12	04.94107	01	59	37.82	+22	20	38.0	18.8	RqEX038160
D8852	KC2013	12	04.94380	01	59	37.45	+22	20	45.9	18.7	RqEX038160
D8852	KC2013	12	04.94653	01	59	37.04	+22	20	53.8	18.9	RqEX038160
D8852	C2013	12	07.13592	01	54	51.62	+23	59	23.1	18.6	VqEX038703
D8852	C2013	12	07.15203	01	54	49.58	+24	00	03.5	18.9	VqEX038703
D8852	C2013	12	07.16008	01	54	48.55	+24	00	24.0	19.0	VqEX038703
E4922	C2013	12	06.49940	06	48	08.209	+36	01	33.16	20.6	wLEX038F51
E4922	C2013	12	06.52434	06	48	06.573	+36	01	40.93	20.6	wLEX038F51
E4922	C2013	12	06.53662	06	48	05.749	+36	01	44.64	20.6	wLEX038F51
G2004	C2013	12	07.39086	05	07	50.12	+28	17	19.6	17.4	VqEX038G96
G2004	C2013	12	07.39621	05	07	48.52	+28	17	19.9	17.5	VqEX038G96
G2004	C2013	12	07.40154	05	07	46.92	+28	17	20.2	17.5	VqEX038G96
G2004	C2013	12	07.40692	05	07	45.32	+28	17	20.7	17.5	VqEX038G96
G2273	C2013	12	07.16350	02	15	05.48	+12	42	09.7	18.2	VqEX038703
G2273	C2013	12	07.17106	02	15	05.23	+12	42	03.2	18.9	VqEX038703
G2273	C2013	12	07.17864	02	15	05.17	+12	41	55.1	19.3	VqEX038703
G2273	C2013	12	07.18619	02	15	04.99	+12	41	47.5	19.0	VqEX038703
P1346	KC2013	12	04.82452	00	00	59.56	+41	20	43.5	15.5	RqEX038160
P1346	KC2013	12	04.82721	00	00	59.11	+41	20	41.9	15.6	RqEX038160
P1346	KC2013	12	04.82990	00	00	58.70	+41	20	40.9	15.5	RqEX038160
P1346	C2013	12	06.80407	23	56	18.01	+41	05	05.7	15.3	RwEX038I99
P1346	C2013	12	06.80791	23	56	17.41	+41	05	03.9	15.4	RwEX038I99
P1346	C2013	12	06.81393	23	56	16.47	+41	05	01.0	15.4	RwEX038I99
P4419	C2013	12	07.16501	02	17	26.53	+06	51	45.4	19.6	VqEX038703
P4419	C2013	12	07.17257	02	17	25.86	+06	51	55.5	19.9	VqEX038703
P4419	C2013	12	07.18015	02	17	25.31	+06	52	05.8	19.2	VqEX038703
P4419	C2013	12	07.18770	02	17	24.80	+06	52	15.3	19.6	VqEX038703
Q2623	C2013	12	07.42815	08	04	09.87	+02	19	20.3	18.5	VqEX038703
Q2623	C2013	12	07.43526	08	04	09.46	+02	19	33.4	19.3	VqEX038703
Q2623	C2013	12	07.44234	08	04	09.05	+02	19	46.6	18.8	VqEX038703
a1071	C2013	12	03.08186	07	52	56.82	+75	57	26.7	16.0	RcEX038A24
a1071	C2013	12	03.08258	07	52	56.55	+75	57	26.4	15.9	RcEX038A24
a1071	C2013	12	03.12553	07	52	38.17	+75	56	52.0	16.0	RcEX038A24
a1071	C2013	12	03.12625	07	52	37.90	+75	56	51.8	15.9	RcEX038A24
b7732	C2013	12	07.26157	04	37	26.84	-18	55	44.7	18.6	VqEX038703

b7732	C2013 12 07.26813 04 37 25.86 -18 55 45.4	18.2 VqEX038703
b7732	C2013 12 07.27467 04 37 24.98 -18 55 45.9	18.3 VqEX038703
b7732	C2013 12 07.28123 04 37 24.04 -18 55 46.6	18.4 VqEX038703

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