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MPEC 2013-T93 : DAILY ORBIT UPDATE (2013 OCT. 12 UT)

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M.P.E.C. 2013-T93

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DAILY ORBIT UPDATE (2013 OCT. 12 UT)

Update to [MPEC 2013-T88](#)

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

New identification:

K05YN7M	K13T77E		Bouma
K05YN7M	K01QX5F		MPCW
K12S21Q	K13S58D		Bouma
K12S21Q	J95F09E		MPCW
K13H23O	K06HA4W	K09BI6Q	MPCW
K13P68Z	K10E16Q		MPCW
K13P72S	K10AD0G		MPCW
K13Q11Q	K03Uf2U	K12B97C	MPCW
K13Q18S	K10G46G		MPCW
K13Q20T	K00S03U		MPCW
K13Q21Q	K12H49D		MPCW
K13Q21T	K11G45X		MPCW
K13Q26D	K07C05G	K10X66X	MPCW
K13Q26T	K03UA2A	K10W59S	MPCW
K13Q29H	K05YN9Y		MPCW
K13Q70Z	K06P35J		MPCW
K13Q76F	K09Q03E		MPCW
K13Q82E	K06D47N		MPCW
K13Q94X	K11H47O		MPCW
K13R02E	K02R91Z		MPCW
K13R03H	K03WC8O		MPCW
K13R04P	K00SI8X		MPCW
K13R07U	K09SF5D		MPCW
K13R14G	K09SQ3Q		MPCW
K13R18Q	K12J36P		MPCW
K13R19L	K02RI8Z	K10H91W	MPCW
K13R25Z	K03SZ0X	K04Y15T	K12D07W
K13R32K	K02GI2Q	K07G72H	MPCW
K13R35G	K06Q92B		MPCW
K13R37E	K02RG2U		MPCW
K13R37P	K05TD4Q		MPCW
K13R38B	K02W29J	K08K20P	MPCW
K13R39D	K04TQ2X		MPCW
K13R44Q	K07H51B		MPCW
K13R45M	K10A49L		MPCW
K13R46G	K10C38J		MPCW
K13R46W	K07EELF		MPCW
K13R46X	K09K29Y		MPCW
K13R48A	K04TN5Q		MPCW

K13R48D	K10H64N				MPCW
K13R49T	K02QB9J				MPCW
K13R53A	K02RK2E	K11B33F			MPCW
K13R57A	K02RL8F				MPCW
K13R65S	K03SV3Z	K06Q89M			MPCW
K13R68G	K02U77J	K08UO8O			MPCW
K13R68N	K04V89H	K06E04U	K10A56T		MPCW
K13R69M	K03YA8Y				MPCW
K13R74V	K08W71S	K10C43Y			MPCW
K13R74X	K05N69H	K08CD1A	K12F22T		MPCW
K13R81P	K03A93C				MPCW
K13R85M	K06U34R				MPCW
K13R88K	K02RQ4H	K08U65U	K10C26Q		MPCW
K13R88O	K10J26L				MPCW
K13R90C	K09SG3U	K12L23Z			MPCW
K13R93K	K05J07X	K07TM3F			MPCW
K13R94G	K00SN5P				MPCW
K13S14D	K04S06D	K10EG6E			MPCW
K13S15A	K09W01N				MPCW
K13S15O	K04X52O	K11H20L			MPCW
K13S18S	K07M02V	K08TJ1G	K11F55A	K12K30U	MPCW
K13S21H	K11BG2E	K12G27N			MPCW
K13S22A	K04RT8H				MPCW
K13S22N	K02S16G				MPCW
K13S22Q	J96T43O	K05YR8B	K07EF5E		MPCW
K13S22T	K10D71X				MPCW
K13S25T	K00WE8H				MPCW
K13S26J	K12J46T				MPCW
K13S26K	K10K13O	K11K05X			MPCW
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K13S33D	K05V99Q	K09T18E			MPCW
K13S34V	K09S81T				MPCW
K13S35K	K06Sf0E				MPCW
K13S36L	K11C11P				MPCW
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K13S37L	K00CD1G				MPCW
K13S40H	K12F34S				MPCW
K13S42W	K09VA5Z				MPCW
K13S43H	K11F16Z				MPCW
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K13S45M	K11FD7G				MPCW
K13S48K	K11G45Z				MPCW
K13S50P	K07R22Q				MPCW
K13S50U	K02TA7M				MPCW
K13S51E	K07G57H	K11FD7F	K12L16G		MPCW
K13S51L	K08V22K				MPCW
K13S51U	K10VB0B				MPCW
K13S52F	K12F35Y				MPCW
K13S52H	J99B27Q				MPCW
K13S53J	K11G26C				MPCW
K13S54W	K07W43P				MPCW
K13T00S	K10F67X				MPCW
K13T01Y	K10KC0Q				MPCW
K13T06R	K11B01L				MPCW
K13T06Z	K06T68B				MPCW
K13T08P	K09V32P				MPCW
K13T08Q	K05J92H				MPCW
K13T08T	K00S55K				MPCW
K13T10E	K02T96C				MPCW
K13T11L	K09SW5R				MPCW
K13T13E	K09Q19P				MPCW
K13T13S	K06V55C				MPCW
K13T17Q	K08UH1G				MPCW
K13T18N	K04TJ4C				MPCW
K13T18V	K12L18E				MPCW
K13T23S	K00Y04X	K07F10K			MPCW
K13T23V	K11FC5J				MPCW
K13T24G	K00S11M				MPCW
K13T24T	K08X38D				MPCW
K13T25B	K08G18L				MPCW
K13T26L	K06UK6O				MPCW
K13T26U	K04TJ0O				MPCW
K13T28G	K09Y11H				MPCW
K13T30D	J99T56Q	K10G51L			MPCW
K13T30R	K09WK0B				MPCW
K13T32G	K09V10Q				MPCW
K13T36E	K00SK4W				MPCW
K13T37A	K04V92R				MPCW
K13T37O	K11G24Y				MPCW
K13T37Q	J96T38D				MPCW
K13T39U	K04V11D	K08S14V			MPCW
K13T50R	K08X00Z				MPCW
K13T50Y	K00T01Z				MPCW
K13T51H	K06J43D	K10VL6F			MPCW
K13T53O	K10VJ9L				MPCW
K13T59X	K08SL1X				MPCW
K13T67W	K08K11T	K12G27O			MPCW
K13T74R	K10G14Z				Bouma

New double designation:

K08TJ1G	K08V42L	MPCW
K09S81T	K09UF7V	MPCW
K13P72S	K13Q34Y	MPCW
K13R19L	K13Q95E	MPCW
K13S40H	K13T42V	MPCW

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J93T06F	16.0	0.15	K13B4	34.034	122.460	218.387	10.855	0.15643	2.93058	6	X
J94S10H	16.5	0.15	K13B4	342.906	22.239	21.862	5.427	0.02158	2.81348	5	X
J95V15O	16.5	0.15	K13B4	336.795	182.043	235.792	7.747	0.13640	2.74900	6	X
J98T29X	17.4	0.15	K13B4	2.916	85.239	303.172	4.128	0.24394	2.41334	6	X
J99C74D	16.4	0.15	K13B4	173.015	43.662	160.494	6.243	0.11418	2.55162	7	X
J99JA2Y	16.6	0.15	K13B4	91.911	178.237	83.915	7.709	0.28403	2.67500	5	X
J99RJ9W	16.0	0.15	K13B4	0.837	154.511	234.752	11.347	0.30354	2.77915	2	X
J99S10K	19.6	0.15	K13B4	327.499	269.192	197.821	6.961	0.44134	1.76340	3	X
J99T60T	18.7	0.15	K13B4	21.822	143.388	211.040	3.849	0.21768	2.29626	3	X
J99W11A	16.4	0.15	K13B4	21.624	312.012	49.191	7.826	0.21339	2.80473	6	X
J99X16S	15.2	0.15	K13B4	235.402	99.089	77.406	10.082	0.53666	2.93799	6	X
K00AL2O	17.5	0.15	K13B4	348.659	150.112	255.531	5.877	0.17651	2.32263	4	X
K00J01F	19.2	0.15	K13B4	45.218	220.188	55.018	11.410	0.45325	2.18401	3	X
K00J87E	16.1	0.15	K13B4	39.127	238.762	101.834	3.209	0.15304	3.12314	6	X
K00QH7K	16.1	0.15	K13B4	23.338	25.386	328.684	9.259	0.20236	2.63181	4	X
K00R40P	17.6	0.15	K13B4	39.788	38.388	287.009	6.140	0.25397	2.19017	6	X
K00S42H	16.6	0.15	K13B4	358.245	29.176	0.466	12.340	0.17343	2.65158	3	X
K00S51F	16.6	0.15	K13B4	25.857	149.603	207.594	12.031	0.17108	2.62594	5	X
K00SO3Z	17.0	0.15	K13B4	18.991	346.965	8.498	13.334	0.29473	2.64411	2	X
K00SU4B	16.8	0.15	K13B4	9.606	149.253	222.392	13.422	0.32177	2.65374	2	X
K00W19R	17.2	0.15	K13B4	332.067	201.619	259.230	8.813	0.47004	2.68059	3	X
K00W85S	16.0	0.15	K13B4	293.641	197.018	260.305	13.030	0.14587	2.72807	6	X
K00X49D	16.3	0.15	K13B4	319.850	50.555	49.674	13.419	0.26211	2.70387	6	X
K01A43V 24.6		0.15	K13B4	339.398	42.196	31.555	0.277	0.23920	1.27876	2	X
K01K44B	15.8	0.15	K13B4	227.167	50.307	127.297	9.777	0.29346	2.89669	7	X
K01N18X	15.1	0.15	K13B4	26.429	109.520	251.534	12.027	0.28423	3.20397	4	X
K01RC9U	15.6	0.15	K13B4	358.966	29.236	1.309	15.806	0.08636	3.23644	4	X
K01S94Q	15.5	0.15	K13B4	171.117	237.002	338.398	11.165	0.09813	3.21231	5	X
K01TG9R	16.3	0.15	K13B4	13.314	350.675	17.822	17.923	0.18630	2.54531	4	X
K01TI3J	16.9	0.15	K13B4	333.371	83.512	351.425	4.241	0.25356	2.52942	4	X
K01TK9L	16.7	0.15	K13B4	5.349	72.739	308.513	6.672	0.16121	2.52339	6	X
K01UH1C	17.4	0.15	K13B4	352.291	19.329	26.836	5.622	0.23841	2.53448	5	X
K01V95P	16.4	0.15	K13B4	348.365	212.933	202.479	14.668	0.11162	2.53363	6	X
K01VB5G	16.3	0.15	K13B4	29.177	115.704	254.302	8.007	0.13148	2.53768	4	X
K01X57G	16.1	0.15	K13B4	327.894	174.601	253.555	7.357	0.15637	2.56914	4	X
K01XK4H	16.6	0.15	K13B4	322.198	147.467	291.037	6.467	0.16602	2.56845	5	X
K01XP9Z	17.5	0.15	K13B4	345.130	104.256	313.054	4.707	0.24485	2.54659	4	X
K01Y07A	16.7	0.15	K13B4	31.513	9.125	351.112	5.479	0.21862	2.54078	6	X
K02A48U	16.7	0.15	K13B4	358.277	258.090	141.707	2.547	0.21965	2.58317	7	X
K02AJ3L	16.9	0.15	K13B4	23.101	100.855	280.033	3.447	0.26260	2.56342	6	X
K02CE9G	16.2	0.15	K13B4	285.078	331.368	134.272	12.132	0.08100	2.65713	6	X
K02CL7A	17.1	0.15	K13B4	332.434	314.311	132.211	5.622	0.29434	2.58887	4	X
K02CN9M	16.8	0.15	K13B4	303.113	149.946	323.504	4.427	0.25403	2.61665	4	X
K02CR1F	16.6	0.15	K13B4	358.375	293.183	107.268	4.279	0.19049	2.60968	7	X
K02D07E	15.8	0.15	K13B4	290.544	96.227	34.671	13.382	0.28429	2.59725	5	X
K02ED1D	17.9	0.15	K13B4	278.298	110.814	7.919	5.694	0.06934	2.17274	4	X
K02G06Q	16.5	0.15	K13B4	311.639	92.315	31.046	28.449	0.35937	2.61478	4	X
K02L34K	16.8	0.15	K13B4	51.969	29.527	266.676	10.636	0.27091	2.32553	5	X
K02L56W	16.9	0.15	K13B4	71.924	223.210	86.400	13.615	0.21975	2.28174	4	X
K02M01T	21.2	0.15	K13B4	33.702	82.411	205.661	4.732	0.49723	2.37371	2	X
K02M03S	19.1	0.15	K13B4	4.519	239.459	106.217	21.852	0.61050	2.39345	2	X
K02P77E	16.0	0.15	K13B4	50.732	211.106	115.947	11.841	0.08938	2.99327	3	X
K02P80U	18.0	0.15	K13B4	27.906	283.753	58.101	2.191	0.20336	2.35050	4	X
K02PD0P	16.1	0.15	K13B4	9.056	165.926	205.137	21.195	0.29928	3.07659	3	X
K02PI4A	17.8	0.15	K13B4	25.115	196.772	154.860	6.830	0.16431	2.33356	2	X
K02PJ6T	15.6	0.15	K13B4	87.347	198.985	76.886	8.793	0.14080	3.04149	6	X
K02Q00U	17.9	0.15	K13B4	21.043	173.531	187.080	1.663	0.26804	2.35252	3	X
K02Q32N	17.6	0.15	K13B4	355.419	26.160	12.117	5.106	0.25167	2.35423	2	X
K02Q54W	18.2	0.15	K13B4	40.057	354.077	341.195	18.876	0.07114	1.94879	3	X
K02Q69U	16.5	0.15	K13B4	26.644	338.664	16.562	2.193	0.19520	3.03051	5	X
K02Q75Y	16.3	0.15	K13B4	26.877	215.867	131.203	14.114	0.13410	3.05123	4	X
K02Q81J	16.2	0.15	K13B4	8.623	43.960	334.477	9.256	0.11173	3.00274	6	X
K02Q90G	17.8	0.15	K13B4	36.387	223.725	117.871	7.500	0.12760	2.34933	5	X
K02Q92L	16.2	0.15	K13B4	56.091	257.262	56.223	1.691	0.18216	3.04094	6	X
K02QA1Q	15.8	0.15	K13B4	301.325	282.002	178.310	12.054	0.14378	2.98915	8	X
K02QD5Q	16.2	0.15	K13B4	25.946	7.159	10.385	11.202	0.17180	2.99885	5	X
K02QD7E	17.8	0.15	K13B4	29.023	177.675	167.528	4.713	0.23311	2.34211	3	X
K02QE9A	16.1	0.15	K13B4	26.592	312.840	34.564	7.370	0.30054	3.04987	4	X
K02QF3C	17.3	0.15	K13B4	51.216	208.885	103.248	5.682	0.18993	2.34196	6	X
K02R04J	16.0	0.15	K13B4	31.192	96.030	246.949	10.365	0.15911	3.04818	4	X
K02R11E	15.9	0.15	K13B4	43.140	341.339	341.491	17.450	0.19799	3.05554	4	X
K02R23G	17.4	0.15	K13B4	63.062	319.632	338.881	3.149	0.20289	2.35434	6	X
K02R27U	16.0	0.15	K13B4	66.150	136.337	157.534	12.993	0.18297	3.06108	4	X
K02R45B	17.6	0.15	K13B4	36.630	227.899	115.204	2.932	0.22853	2.35001	5	X
K02R65Z	16.3	0.15	K13B4	8.668	188.293	194.010	9.364	0.14738	3.04261	6	X
K02R68L	15.9	0.15	K13B4	59.656	114.361	178.160	17.620	0.26840	3.08207	4	X
K02R80T	16.0	0.15	K13B4	37.299	149.246	179.999	9.480	0.30049	3.07682	5	X
K02R91Y	15.5	0.15	K13B4	30.381	330.240	2.027	17.290	0.25134	3.11344	4	X
K02RF0Y	16.5	0.15	K13B4	41.655	117.633	214.291	8.568	0.13964	3.04973	8	X
K02RF7F	16.7	0.15	K13B4	20.639	103.201	251.850	2.669	0.20259	3.08004	3	X
K02RH1G	17.3	0.15	K13B4	41.044	251.509	83.168	3.511	0.21266	2.35075	5	X
K02RH5K	15.7	0.15	K13B4	74.196	312.808	338.033	23.266	0.23287	3.04940	4	X
K02RI2N	16.1	0.15	K13B4	358.971	149.227	225.102	17.137	0.21986	3.10489	3	X
K02RI4F	15.7	0.15	K13B4	35.260	352.990	325.840	17.062	0.19302	3.11262	3	X
K02RJ7X	18.0	0.15	K13B4	15.849	233.609	137.419	1.953	0.19299	2.35617	6	X
K02RK0E	16.8	0.15	K13B4	59.610	17.950	279.556	5.777	0.13697	2.36139	7	X
K02RK4S	16.4	0.15	K13B4	6.995	203.645	167.170	5.446	0.24646	3.07789	4	X
K02RL9K	15.8	0.15	K13B4	30.732	343.673	1.547	10.224	0.13026	3.04303	4	X
K02RM4U	16.1	0.15	K13B4	26.642	21.166	330.760	11.730	0.11438	3.06123	5	X
K02RO7M	16.4	0.15	K13B4	37.258	180.355	152.965	5.177	0.11878	3.04386	3	X
K02RO8E	16.1	0.15	K13B4	354.815	51.556	333.602	22.930	0.16481	3.08462	3	X
K02RO9B	16.5	0.15	K13B4	8.142	27.785	344.412	5.121	0.13483	3.05648	5	X
K02RR8G	16.1	0.15	K13B4	5.005	114.253	262.855	2.461	0.24554	3.06106	6	X
K02RS5Y	16.0	0.15	K13B4	51.922	207.297	92.349	12.579	0.27824	3.07589	4	X
K02RT2O	15.7	0.15	K13B4	74.408	21.892	281.235	7.977	0.06447	3.08195	6	X

K02S12V	15.9	0.15	K13B4	358.046	205.797	193.135	15.297	0.19047	3.08559	5	X
K02S22Z	15.4	0.15	K13B4	25.000	320.608	32.762	8.203	0.26994	3.08251	6	X
K02S43W	18.1	0.15	K13B4	13.274	0.080	8.656	2.677	0.20028	2.36747	4	X
K02S65N	16.7	0.15	K13B4	347.898	44.825	8.288	11.597	0.34056	3.06240	2	X
K02T25B	18.0	0.15	K13B4	8.471	217.783	163.946	2.514	0.18436	2.37341	5	X
K02T33D	17.7	0.15	K13B4	38.462	319.491	18.555	2.824	0.18517	2.36383	5	X
K02T73H	15.9	0.15	K13B4	19.482	124.254	235.219	7.315	0.21265	3.11212	6	X
K02T88S	17.4	0.15	K13B4	20.217	53.204	325.655	4.698	0.18966	2.35951	5	X
K02TA4E	15.4	0.15	K13B4	70.160	326.435	336.674	7.297	0.11016	3.09135	8	X
K02TC3Z	16.0	0.15	K13B4	358.989	193.357	201.721	21.207	0.28988	3.07909	2	X
K02TC4Y	15.8	0.15	K13B4	6.524	40.752	317.681	10.262	0.14924	3.12929	5	X
K02TD7J	15.4	0.15	K13B4	359.581	21.097	6.637	17.728	0.20802	3.12057	2	X
K02TE5C	16.1	0.15	K13B4	345.947	180.115	222.995	4.312	0.14131	3.10278	5	X
K02TG9M	15.7	0.15	K13B4	2.721	40.753	332.290	16.729	0.18177	3.11754	4	X
K02TK0S	17.0	0.15	K13B4	56.238	92.884	211.565	12.358	0.21278	2.37688	4	X
K02TN9F	15.7	0.15	K13B4	308.550	257.561	217.367	14.578	0.37247	3.14299	4	X
K02TP6F	15.8	0.15	K13B4	355.715	198.687	205.820	12.578	0.18994	3.09604	2	X
K02TQ8E	17.2	0.15	K13B4	2.030	48.257	339.956	5.498	0.19474	2.37875	7	X
K02TQ9Y	15.8	0.15	K13B4	359.196	39.394	348.164	9.266	0.13124	3.10220	3	X
K02TS2M	15.2	0.15	K13B4	356.040	148.313	245.330	8.683	0.12925	3.13729	6	X
K02TU2Y	17.9	0.15	K13B4	26.853	146.058	204.931	3.682	0.20534	2.37498	6	X
K02TU5L	16.0	0.15	K13B4	10.395	338.264	38.964	16.438	0.07665	3.09506	5	X
K02TV0W	17.0	0.15	K13B4	348.928	330.674	69.506	10.445	0.10528	3.11430	3	X
K02TV2B	16.4	0.15	K13B4	280.498	329.395	156.713	11.113	0.17630	3.12641	4	X
K02TY4G	15.5	0.15	K13B4	27.033	310.422	54.597	12.857	0.07114	3.08628	5	X
K02Tb0V	16.0	0.15	K13B4	281.547	4.149	118.379	11.281	0.18394	3.16214	6	X
K02U41Q	17.4	0.15	K13B4	1.917	293.369	99.334	3.258	0.21513	2.38867	5	X
K02U58C	16.5	0.15	K13B4	328.264	315.351	107.098	8.163	0.09399	3.13105	5	X
K02U61J	16.0	0.15	K13B4	195.095	278.630	270.810	9.176	0.03363	3.01228	6	X
K02U75G	15.6	0.15	K13B4	312.815	28.282	40.368	27.649	0.06388	3.17491	5	X
K02U77L	15.9	0.15	K13B4	312.006	38.506	49.950	12.590	0.21322	3.16283	3	X
K02V02Q	15.4	0.15	K13B4	312.436	219.720	232.095	16.037	0.20665	3.14751	6	X
K02V13B	17.9	0.15	K13B4	16.727	321.911	36.829	5.717	0.22351	2.39735	4	X
K02V32U	17.2	0.15	K13B4	347.302	313.292	97.122	3.171	0.19151	2.40274	5	X
K02V36A	17.5	0.15	K13B4	357.570	333.295	56.772	2.160	0.19157	2.39879	4	X
K02V75G	15.8	0.15	K13B4	28.703	236.665	116.113	2.998	0.17663	3.14877	6	X
K02V92W	15.6	0.15	K13B4	344.864	202.586	210.093	7.848	0.19538	3.15413	4	X
K02V94R	19.1	0.15	K13B4	358.781	326.957	57.045	5.575	0.55854	2.38181	3	X
K02VA0J	15.2	0.15	K13B4	353.759	355.474	56.551	28.329	0.09683	3.13147	6	X
K02VD4C	16.4	0.15	K13B4	17.990	302.435	66.516	1.908	0.17623	3.12447	7	X
K02W26V	16.0	0.15	K13B4	291.303	51.313	48.280	11.847	0.08713	3.16916	5	X
K02W29G	13.3	0.15	K13B4	309.080	11.488	58.980	11.911	0.04885	5.22230	6	X
K02X02S	15.9	0.15	K13B4	322.283	346.918	104.770	6.478	0.21432	3.17236	4	X
K02X53Z	17.3	0.15	K13B4	312.972	242.109	210.510	4.288	0.20363	2.41388	3	X
K02X92Y	16.1	0.15	K13B4	339.307	347.143	63.158	5.906	0.15581	3.20916	7	X
K02XC0B	17.7	0.15	K13B4	29.173	266.656	84.861	3.429	0.23963	2.39630	6	X
K03A65A	16.8	0.15	K13B4	334.203	358.663	71.468	12.110	0.22661	2.42724	6	X
K03A90G	15.2	0.15	K13B4	257.042	63.411	82.344	15.988	0.26074	3.30682	4	X
K03B45O	17.6	0.15	K13B4	343.633	299.948	119.533	2.972	0.20297	2.43584	7	X
K03F79E	15.9	0.15	K13B4	85.413	64.281	211.920	8.305	0.22486	2.69315	4	X
K03F82O	16.1	0.15	K13B4	148.797	47.807	175.830	11.605	0.13195	2.64406	6	X
K03H16E	16.3	0.15	K13B4	174.995	129.559	70.963	12.090	0.13967	2.65159	5	X
K03M01F	17.9	0.15	K13B4	55.719	28.255	262.995	5.406	0.37187	2.20525	3	X
K03Q09M	18.2	0.15	K13B4	37.312	17.396	314.270	4.237	0.21445	2.21099	4	X
K03S34O	18.3	0.15	K13B4	88.808	265.092	20.004	3.205	0.15644	2.20818	4	X
K03S40Y	16.4	0.15	K13B4	39.032	128.889	206.940	14.040	0.19480	2.87686	5	X
K03S65O	17.5	0.15	K13B4	61.931	78.962	224.705	6.715	0.22183	2.20635	6	X
K03S68O	18.4	0.15	K13B4	5.302	91.414	279.000	2.768	0.16171	2.22575	4	X
K03S87L	16.1	0.15	K13B4	22.081	334.023	30.252	13.134	0.16229	2.86839	5	X
K03SI7W	16.2	0.15	K13B4	0.597	124.371	244.151	7.250	0.10617	2.90746	5	X
K03SJ0U	18.0	0.15	K13B4	36.402	335.985	2.517	5.030	0.18573	2.22348	3	X
K03SN4B	17.9	0.15	K13B4	68.771	176.220	112.437	3.611	0.27345	2.22204	5	X
K03SO7B	18.0	0.15	K13B4	33.910	169.843	172.784	1.825	0.24127	2.22263	4	X
K03SU1M	16.3	0.15	K13B4	9.226	306.490	76.230	3.090	0.08082	2.87030	7	X
K03SW5Y	18.1	0.15	K13B4	108.929	274.052	359.039	20.475	0.05175	1.83765	3	X
K03SY0J	18.3	0.15	K13B4	349.987	357.234	47.732	5.328	0.12810	2.22217	5	X
K03Sa0X	19.1	0.15	K13B4	24.766	98.821	251.238	3.351	0.17921	2.21774	4	X
K03T35Y	18.5	0.15	K13B4	353.379	88.939	305.032	3.230	0.14604	2.23775	4	X
K03T42S	17.7	0.15	K13B4	335.406	79.508	342.931	4.077	0.10493	2.22580	5	X
K03U77A	17.9	0.15	K13B4	27.412	15.752	331.885	6.809	0.16360	2.24323	6	X
K03UC9O	17.3	0.15	K13B4	45.159	15.205	311.328	6.328	0.19752	2.24083	6	X
K03UD7C	17.4	0.15	K13B4	346.240	7.432	42.557	6.286	0.14703	2.23325	6	X
K03UI4M	17.6	0.15	K13B4	12.803	139.473	232.186	7.029	0.13617	2.24343	3	X
K03UJ1M	17.5	0.15	K13B4	41.019	123.836	206.139	22.302	0.19151	2.24670	3	X
K03UK5L	16.1	0.15	K13B4	9.887	100.331	262.543	10.049	0.16196	2.98317	3	X
K03UL4E	19.6	0.15	K13B4	24.421	133.815	212.991	5.913	0.31128	2.23352	2	X
K03UM9Y	18.0	0.15	K13B4	24.119	37.801	317.964	2.121	0.19444	2.23863	4	X
K03UN6V	17.6	0.15	K13B4	11.235	317.872	61.815	6.555	0.15039	2.22978	5	X
K03UO6X	16.2	0.15	K13B4	19.152	9.747	358.475	1.275	0.11578	2.92108	7	X
K03UP6N	17.8	0.15	K13B4	16.592	250.008	124.904	2.792	0.18811	2.23682	6	X
K03UP6T	16.9	0.15	K13B4	1.369	194.756	195.966	5.712	0.30142	2.93972	4	X
K03UV1M	16.4	0.15	K13B4	324.406	350.617	91.288	2.067	0.16605	2.92347	4	X
K03UV8E	17.7	0.15	K13B4	41.673	24.023	302.098	7.747	0.20880	2.21011	5	X
K03Ub5J	17.1	0.15	K13B4	38.509	22.516	306.323	3.498	0.20766	2.89185	5	X
K03Ub6D	18.8	0.15	K13B4	48.307	22.425	296.828	2.821	0.23019	2.22699	3	X
K03V10C	16.4	0.15	K13B4	210.419	142.484	34.312	25.673	0.16200	2.28806	5	X
K03W10W	17.2	0.15	K13B4	14.658	30.749	342.366	6.526	0.11170	2.23816	5	X
K03W78K	15.6	0.15	K13B4	15.090	103.768	260.648	8.945	0.06497	2.98969	6	X
K03W80R	17.9	0.15	K13B4	285.962	246.196	213.612	21.331	0.05560	1.87138	4	X
K03W91B	17.7	0.15	K13B4	344.291	359.579	53.652	5.876	0.13191	2.25094	5	X
K03WB7T	17.8	0.15	K13B4	359.428	355.071	39.815	4.410	0.18486	2.25511	5	X
K03WG3O	16.7	0.15	K13B4	35.601	284.783	54.069	8.046	0.21825	2.98938	3	X
K03WJ4D	16.9	0.15	K13B4	355.955	325.929	61.630	12.815	0.19235	2.99813	4	X
K03Y04M	17.5	0.15	K13B4	330.425	147.395	279.728	5.756	0.22470	2.28304	5	X
K03Y10M	15.5	0.15	K13B4	288.802	83.091	21.094	10.435	0.03463	3.04319	6	X
K03Y15M	15.6	0.15	K13B4	275.749	217.163	269.299	10.099	0.16364	3.03464	6	X
K03Y55P	15.1	0.15	K13B4	20.257	102.920	253.598	9.673	0.24167	3.00289	7	X

K03Y79W	16.4	0.15	K13B4	232.980	84.312	75.316	6.145	0.11850	2.32812	5	X
K03YG5L	13.1	0.15	K13B4	26.516	254.651	90.751	12.591	0.05418	5.16095	6	X
K04B03U	16.1	0.15	K13B4	309.897	109.668	342.163	4.304	0.11932	3.10747	4	X
K04B17F	15.8	0.15	K13B4	311.547	85.900	15.108	14.750	0.25650	3.06904	3	X
K04B26K	15.6	0.15	K13B4	321.225	130.361	302.536	8.226	0.07342	3.12184	5	X
K04C36Z	15.7	0.15	K13B4	289.473	229.740	250.256	8.660	0.19860	3.13518	4	X
K04CB4Z	15.4	0.15	K13B4	274.787	94.345	35.938	16.840	0.14481	3.15582	4	X
K04D60B	15.9	0.15	K13B4	324.792	282.651	154.515	16.800	0.23151	3.10988	3	X
K04F09J	16.5	0.15	K13B4	333.376	125.957	307.382	2.658	0.26073	3.14634	6	X
K04F25X	15.8	0.15	K13B4	206.865	158.327	17.075	21.213	0.09545	2.43814	6	X
K04FB5G	16.6	0.15	K13B4	292.707	67.390	40.278	6.992	0.09995	2.38299	4	X
K04G04H	17.9	0.15	K13B4	239.690	136.801	20.158	19.569	0.04377	1.93510	4	X
K04N15L	16.4	0.15	K13B4	33.592	33.196	293.155	12.693	0.25986	2.67009	3	X
K04P43Q	16.9	0.15	K13B4	19.739	182.591	182.790	2.740	0.24328	2.66646	7	X
K04Q13A	17.4	0.15	K13B4	23.741	304.836	43.719	6.796	0.30268	2.68491	3	X
K04R09O	16.2	0.15	K13B4	7.200	202.306	194.198	13.760	0.26347	2.67954	4	X
K04R96S	17.3	0.15	K13B4	40.239	109.088	204.616	12.617	0.30863	2.70310	4	X
K04RBLK	16.7	0.15	K13B4	3.963	146.392	261.426	11.509	0.07893	2.62582	6	X
K04RC4B	16.8	0.15	K13B4	17.274	85.408	265.141	10.391	0.24461	2.71340	2	X
K04RD9D	16.6	0.15	K13B4	55.329	104.527	220.361	12.308	0.06492	2.66964	5	X
K04RE2P	16.9	0.15	K13B4	59.593	132.900	168.901	13.642	0.21301	2.69634	5	X
K04RES5	16.7	0.15	K13B4	44.516	331.874	356.233	14.266	0.19648	2.68014	3	X
K04RF1B	16.9	0.15	K13B4	21.487	3.913	359.183	7.886	0.08793	2.67583	5	X
K04RF2W	17.1	0.15	K13B4	38.220	128.337	208.099	8.577	0.19399	2.68218	5	X
K04RI1T	16.7	0.15	K13B4	48.685	1.878	329.515	10.693	0.07767	2.68705	6	X
K04RJ0L	16.7	0.15	K13B4	19.553	133.952	217.962	12.596	0.26660	2.72645	4	X
K04RK1P	16.5	0.15	K13B4	352.104	41.478	355.565	9.847	0.24175	2.73194	3	X
K04RL5P	16.8	0.15	K13B4	2.798	137.424	232.403	9.376	0.34593	2.73669	2	X
K04RM9T	16.9	0.15	K13B4	55.092	106.141	193.763	9.490	0.31898	2.71707	4	X
K04RN3X	16.3	0.15	K13B4	331.205	36.008	32.664	5.201	0.14253	2.71600	4	X
K04RP6Z	17.0	0.15	K13B4	8.584	224.642	146.199	3.328	0.11012	2.69209	5	X
K04RUBW	17.2	0.15	K13B4	11.068	262.141	121.812	3.240	0.16850	2.67089	7	X
K04S22N	16.8	0.15	K13B4	44.952	116.240	193.217	13.950	0.35860	2.72009	4	X
K04S50P	16.7	0.15	K13B4	9.530	188.562	193.872	12.059	0.11029	2.70966	5	X
K04S54D	16.5	0.15	K13B4	32.733	185.941	186.171	18.356	0.08333	2.65722	5	X
K04T01X	17.0	0.15	K13B4	348.535	209.456	201.821	8.695	0.24626	2.70841	3	X
K04T02O	16.4	0.15	K13B4	351.687	197.169	209.402	10.566	0.18253	2.71248	5	X
K04T17G	16.6	0.15	K13B4	12.535	119.749	245.138	7.562	0.22962	2.75107	2	X
K04T19R	16.3	0.15	K13B4	338.858	331.851	88.540	5.021	0.17981	2.72215	6	X
K04T66A	16.5	0.15	K13B4	7.710	321.818	56.995	5.894	0.12677	2.72061	5	X
K04T69C	15.8	0.15	K13B4	94.700	258.333	30.776	15.202	0.07015	2.69896	6	X
K04TA5K	17.4	0.15	K13B4	346.178	99.151	310.411	13.319	0.31180	2.73284	3	X
K04TC2Q	16.5	0.15	K13B4	14.293	174.150	197.372	5.595	0.05594	2.71514	6	X
K04TC5A	16.7	0.15	K13B4	35.220	135.503	213.561	5.341	0.08644	2.69806	7	X
K04TD0O	16.8	0.15	K13B4	42.745	190.368	142.132	5.040	0.23047	2.70477	7	X
K04TK2V	16.9	0.15	K13B4	25.288	316.205	34.728	8.998	0.23776	2.75838	5	X
K04TK3S	16.6	0.15	K13B4	40.617	301.718	39.911	12.275	0.13437	2.76651	4	X
K04TO9L	16.1	0.15	K13B4	296.867	259.681	205.825	13.838	0.18709	2.74815	6	X
K04TP2L	17.2	0.15	K13B4	12.218	163.015	209.735	4.473	0.12383	2.71306	7	X
K04TU2Q	16.1	0.15	K13B4	39.559	323.176	42.895	12.599	0.19515	2.67598	6	X
K04TU9G	16.4	0.15	K13B4	348.301	176.287	229.584	15.709	0.19628	2.73197	3	X
K04TV9M	16.8	0.15	K13B4	54.871	105.249	205.017	8.689	0.20671	2.73972	6	X
K04TX8U	16.5	0.15	K13B4	28.460	321.738	28.739	13.835	0.19550	2.73686	5	X
K04U05J	16.2	0.15	K13B4	348.524	172.694	234.982	7.832	0.22377	2.74735	5	X
K04V29D	16.3	0.15	K13B4	310.128	21.333	59.216	7.659	0.02069	2.77070	6	X
K04V55P	16.9	0.15	K13B4	9.267	337.679	41.588	9.579	0.30231	2.74357	2	X
K04V65X	17.4	0.15	K13B4	331.642	136.102	282.060	2.158	0.08331	2.76122	5	X
K04VB5H	17.0	0.15	K13B4	8.908	162.813	213.093	3.803	0.08869	2.75414	6	X
K04X69J	16.3	0.15	K13B4	298.751	41.619	57.756	13.345	0.13627	2.79704	5	X
K04XA6O	17.3	0.15	K13B4	3.431	75.216	305.616	2.844	0.33427	2.76564	2	X
K04Y02Z	15.9	0.15	K13B4	359.179	163.092	224.749	12.261	0.18375	2.77852	6	X
K05E18W	16.2	0.15	K13B4	157.485	44.277	174.757	19.362	0.17217	3.18885	6	X
K05EE4Z	17.6	0.15	K13B4	338.304	46.878	9.787	5.994	0.14409	2.20258	4	X
K05EL2Y	16.2	0.15	K13B4	340.554	247.572	172.380	10.251	0.10874	3.01848	6	X
K05EN8F	16.1	0.15	K13B4	275.007	102.428	14.822	9.885	0.07198	3.06787	5	X
K05G74J	17.2	0.15	K13B4	122.824	185.574	63.226	10.637	0.16896	2.30633	5	X
K05G97A	17.7	0.15	K13B4	83.098	123.859	173.027	4.158	0.11875	2.30540	6	X
K05GA8C	15.8	0.15	K13B4	334.601	236.039	192.945	10.157	0.21477	3.03658	5	X
K05GG2N	15.9	0.15	K13B4	220.476	58.224	114.594	10.881	0.24673	3.13178	5	X
K05GG8M	15.5	0.15	K13B4	310.981	43.899	41.024	10.774	0.06727	3.11993	4	X
K05H00E	19.7	0.15	K13B4	90.205	230.181	34.714	22.766	0.26077	1.87301	3	X
K05H06K	17.6	0.15	K13B4	129.991	143.909	97.001	7.196	0.09539	2.33826	5	X
K05J52X	17.7	0.15	K13B4	92.803	168.320	98.037	6.607	0.19943	2.37041	6	X
K05L30Q	17.7	0.15	K13B4	22.207	120.142	239.963	0.276	0.20869	2.43029	7	X
K05M18V	16.5	0.15	K13B4	14.405	119.465	244.794	7.962	0.29161	2.47784	5	X
K05N31F	17.2	0.15	K13B4	30.748	78.301	264.678	2.659	0.24551	2.45331	6	X
K05N79E	17.5	0.15	K13B4	338.639	289.476	126.748	5.292	0.09508	2.41644	5	X
K05Q87T	16.9	0.15	K13B4	57.611	56.265	259.789	6.509	0.12385	2.47957	5	X
K05QA4U	17.1	0.15	K13B4	48.149	8.696	321.240	5.793	0.12561	2.47426	5	X
K05QC3W	17.6	0.15	K13B4	346.056	245.712	169.276	2.097	0.21050	2.47717	5	X
K05QF6M	16.7	0.15	K13B4	7.668	94.589	274.391	13.221	0.11772	2.51944	4	X
K05QI9B	14.9	0.15	K13B4	47.140	258.658	55.398	12.398	0.30655	3.95168	3	X
K05T47D	18.3	0.15	K13B4	17.624	107.363	249.444	7.015	0.23187	2.51444	3	X
K05T80V	18.1	0.15	K13B4	29.187	118.746	219.265	8.088	0.23555	2.52200	5	X
K05TD7L	18.0	0.15	K13B4	19.253	340.596	28.598	20.924	0.09032	1.93030	3	X
K05TJ0V	17.6	0.15	K13B4	287.711	76.351	47.791	25.497	0.06572	1.91102	4	X
K05TJ1Z	17.9	0.15	K13B4	11.515	154.203	213.322	20.514	0.09512	1.92668	4	X
K05U11K	17.9	0.15	K13B4	17.080	36.163	322.730	3.822	0.22558	2.54931	3	X
K05U51C	17.8	0.15	K13B4	8.913	100.861	261.436	3.410	0.26344	2.55388	3	X
K05U92N	17.4	0.15	K13B4	42.906	356.861	333.452	3.363	0.13972	2.55938	6	X
K05U15X	17.9	0.15	K13B4	8.186	314.892	54.761	10.506	0.21649	2.56971	3	X
K05UN2R	17.4	0.15	K13B4	60.984	247.082	50.441	14.944	0.19634	2.58719	4	X
K05UV3M	17.8	0.15	K13B4	329.772	201.684	212.470	20.604	0.08573	1.92622	3	X
K05UW2U	17.4	0.15	K13B4	357.332	241.122	159.381	4.219	0.21497	2.53013	5	X
K05UZ3M	17.0	0.15	K13B4	22.553	353.554	7.903	7.647	0.15090	2.54401	7	X
K05Ug9M	18.6	0.15	K13B4	18.659	100.677	242.409	4.331	0.29545	2.56945	3	X
K05Uq9U	17.2	0.15	K13B4	5.929	284.011	92.679	8.752	0.14644	2.55028	4	X

K05V49D	17.7	0.15	K13B4	356.478	182.506	216.447	2.072	0.18224	2.54093	4	X
K05V58N	16.8	0.15	K13B4	94.856	298.230	345.097	4.866	0.08026	2.55101	7	X
K05V93E	17.3	0.15	K13B4	3.657	292.550	87.150	8.269	0.21265	2.57134	3	X
K05W13X	16.7	0.15	K13B4	51.780	69.750	243.327	12.014	0.18695	2.60212	4	X
K05W18X	17.1	0.15	K13B4	287.353	33.451	74.266	14.756	0.12548	2.62044	4	X
K05W25N	16.1	0.15	K13B4	67.928	248.427	56.547	11.689	0.18910	2.59708	4	X
K05W34K	16.7	0.15	K13B4	342.683	141.787	274.548	5.163	0.19178	2.56822	4	X
K05W46F	17.3	0.15	K13B4	347.105	190.019	202.088	13.867	0.25142	2.57579	3	X
K05W69B	15.9	0.15	K13B4	315.232	191.976	251.827	13.970	0.22645	2.59689	5	X
K05WC6G	16.9	0.15	K13B4	311.509	313.777	155.751	5.105	0.23869	2.55410	5	X
K05WE2D	17.2	0.15	K13B4	351.938	317.795	72.764	11.826	0.13304	2.60990	3	X
K05X29F	16.5	0.15	K13B4	337.175	64.902	14.015	11.697	0.16708	2.58327	5	X
K05X42A	16.7	0.15	K13B4	39.054	77.832	253.917	6.858	0.15829	2.56473	5	X
K05X59U	17.7	0.15	K13B4	18.623	11.544	349.964	0.212	0.19940	2.59907	3	X
K05X71D	16.6	0.15	K13B4	249.325	69.720	69.068	13.935	0.09046	2.66263	4	X
K05Y30G	17.4	0.15	K13B4	343.754	302.790	112.099	2.740	0.18151	2.57898	6	X
K05Y31Y	17.0	0.15	K13B4	339.895	311.399	104.446	5.779	0.19029	2.63970	5	X
K05Y77K	16.8	0.15	K13B4	217.557	70.724	93.796	6.532	0.00979	2.70014	5	X
K05Y98J	17.7	0.15	K13B4	21.399	124.514	235.596	3.392	0.16605	2.57712	5	X
K05YB2Y	17.3	0.15	K13B4	284.018	5.022	108.385	7.416	0.16326	2.65740	4	X
K05YF4H	17.0	0.15	K13B4	2.162	60.130	328.244	2.589	0.23505	2.60715	5	X
K05YHOY	16.1	0.15	K13B4	333.361	138.484	271.600	13.998	0.08728	2.60166	5	X
K05YH4N	17.2	0.15	K13B4	354.971	353.857	51.500	7.707	0.27518	2.58548	3	X
K05YH4U	16.5	0.15	K13B4	304.712	132.461	323.600	13.487	0.25318	2.63685	4	X
K05YJ5Q	16.9	0.15	K13B4	55.760	77.168	244.327	4.929	0.03328	2.71650	3	X
K05YK5G	16.8	0.15	K13B4	343.191	304.621	98.332	7.050	0.06970	2.68557	5	X
K05YN7M	14.1	0.15	K13B4	338.377	177.623	203.868	2.751	0.00696	5.14824	3	X
K05YO5M	16.7	0.15	K13B4	51.587	344.416	342.719	5.981	0.08101	2.72292	7	X
K05YP1H	16.9	0.15	K13B4	352.219	121.661	269.641	5.542	0.04308	2.71981	4	X
K05YQ9O	16.6	0.15	K13B4	269.695	351.677	140.140	9.488	0.20247	2.74034	4	X
K05YS2V	17.1	0.15	K13B4	313.423	143.895	286.979	4.693	0.13888	2.63355	4	X
K05YT2C	17.1	0.15	K13B4	27.821	113.443	239.734	1.799	0.08526	2.69901	7	X
K06A14N	16.9	0.15	K13B4	337.671	121.731	299.620	6.203	0.20626	2.64379	6	X
K06A15M	16.7	0.15	K13B4	263.488	5.881	125.103	10.170	0.09192	2.71043	6	X
K06A32W	16.8	0.15	K13B4	288.278	56.316	65.583	13.824	0.22141	2.67448	4	X
K06A33B	16.3	0.15	K13B4	308.681	136.440	300.937	12.907	0.13892	2.65756	4	X
K06A53O	16.8	0.15	K13B4	22.454	81.088	278.620	5.063	0.02579	2.72738	5	X
K06A67R	16.0	0.15	K13B4	75.187	20.258	280.862	5.350	0.07817	2.75938	3	X
K06B64B	16.0	0.15	K13B4	287.269	121.107	353.519	14.467	0.14258	2.70139	3	X
K06BD0E	16.2	0.15	K13B4	12.674	29.126	330.506	14.631	0.15322	2.83859	5	X
K06BD6F	16.5	0.15	K13B4	78.314	267.714	37.041	3.813	0.05018	2.69719	5	X
K06BD8Q	18.6	0.15	K13B4	293.245	330.307	148.517	9.375	0.25893	2.67500	3	X
K06BF2G	16.6	0.15	K13B4	306.889	331.147	120.049	7.092	0.10676	2.70945	4	X
K06BK6P	16.7	0.15	K13B4	37.609	28.377	301.268	7.008	0.22434	2.77871	3	X
K06BM3S	16.3	0.15	K13B4	229.398	199.688	322.783	8.164	0.05536	2.76776	5	X
K06BR7C	16.2	0.15	K13B4	33.387	5.552	335.383	8.646	0.14739	2.78085	4	X
K06C52J	13.7	0.15	K13B4	133.022	103.962	140.365	17.038	0.03846	5.18976	4	X
K06D23Q	16.8	0.15	K13B4	305.131	80.947	7.903	4.454	0.08403	2.76923	6	X
K06D76B	16.7	0.15	K13B4	1.405	241.726	144.845	6.279	0.06929	2.79667	6	X
K06D76X	16.4	0.15	K13B4	30.963	217.113	127.243	3.002	0.07476	2.86533	6	X
K06DE4S	16.1	0.15	K13B4	339.688	58.081	351.074	11.914	0.06016	2.80140	4	X
K06DE9T	16.5	0.15	K13B4	7.769	31.596	344.500	10.219	0.12345	2.84922	5	X
K06DLOP	16.4	0.15	K13B4	318.842	65.748	9.466	12.039	0.12102	2.80170	4	X
K06E56O	16.1	0.15	K13B4	305.339	279.816	180.224	11.825	0.14076	2.72977	6	X
K06G39P	15.8	0.15	K13B4	108.222	113.945	134.786	13.217	0.21851	3.08735	4	X
K06H09X	16.5	0.15	K13B4	118.486	184.113	67.652	11.011	0.12379	3.03709	3	X
K06H15V	15.5	0.15	K13B4	80.001	242.807	39.908	27.089	0.16425	3.11623	5	X
K06H26H	15.9	0.15	K13B4	57.118	109.456	210.051	8.758	0.11612	3.10471	4	X
K06H76T	16.2	0.15	K13B4	155.334	96.061	132.902	12.740	0.05695	3.04702	4	X
K06H82S	15.7	0.15	K13B4	101.248	232.750	51.286	11.229	0.06060	3.04086	5	X
K06H84R	15.8	0.15	K13B4	62.647	86.407	218.790	15.052	0.10934	3.15163	5	X
K06H85Z	15.7	0.15	K13B4	24.828	290.086	61.388	10.427	0.07352	3.01890	5	X
K06J02J	16.3	0.15	K13B4	168.059	113.788	93.078	7.987	0.11578	3.05089	7	X
K06J22A	16.0	0.15	K13B4	92.353	156.771	122.053	7.958	0.10397	3.11414	6	X
K06K12L	16.0	0.15	K13B4	95.299	173.145	99.403	13.193	0.09253	3.08206	5	X
K06K32R	16.4	0.15	K13B4	247.168	74.844	64.023	11.867	0.09025	2.98591	4	X
K06K51X	15.5	0.15	K13B4	37.208	121.468	216.463	10.602	0.10300	3.13138	6	X
K06K71X	15.8	0.15	K13B4	349.932	196.094	209.636	14.035	0.07577	3.03439	6	X
K06KA2B	16.3	0.15	K13B4	20.557	156.289	206.472	15.823	0.16136	3.15058	4	X
K06KB2Z	16.7	0.15	K13B4	321.907	358.162	166.306	37.784	0.88691	2.52446	4	X
K06KB8O	15.5	0.15	K13B4	38.248	285.878	51.764	12.356	0.07611	3.09423	4	X
K06P15A	17.6	0.15	K13B4	58.420	335.733	337.887	7.190	0.11933	2.24875	7	X
K06Q00D	17.8	0.15	K13B4	38.681	331.610	355.645	4.256	0.25623	2.28129	4	X
K06Q26U	17.6	0.15	K13B4	20.079	73.799	282.676	1.931	0.20908	2.28240	4	X
K06Q41S	17.4	0.15	K13B4	73.553	29.657	264.553	6.330	0.13392	2.26052	5	X
K06Q81K	16.9	0.15	K13B4	318.426	94.813	343.971	23.795	0.24062	2.28873	3	X
K06QB1Y	17.7	0.15	K13B4	27.304	138.206	215.038	4.204	0.16031	2.26396	6	X
K06QB3A	17.9	0.15	K13B4	21.121	181.994	183.343	6.721	0.23285	2.26977	2	X
K06QB6N	18.1	0.15	K13B4	11.579	81.192	291.574	4.198	0.20657	2.28196	5	X
K06QC1X	17.7	0.15	K13B4	52.603	133.281	185.856	9.013	0.21456	2.26553	5	X
K06QC6Z	17.3	0.15	K13B4	0.490	34.451	346.427	25.369	0.17523	2.29543	3	X
K06QD6W	18.1	0.15	K13B4	43.553	125.708	203.342	3.921	0.20446	2.25828	4	X
K06R04B	16.8	0.15	K13B4	325.222	83.517	352.627	8.454	0.13126	2.26615	4	X
K06R56M	17.9	0.15	K13B4	308.305	81.713	14.388	5.541	0.14505	2.29851	3	X
K06RA2A	17.8	0.15	K13B4	31.267	305.154	45.522	7.959	0.14491	2.29856	4	X
K06S15R	17.7	0.15	K13B4	17.027	16.482	346.361	6.895	0.12885	2.29926	4	X
K06S17J	17.8	0.15	K13B4	83.214	306.366	338.898	5.283	0.15665	2.30244	6	X
K06S20H	17.6	0.15	K13B4	348.996	14.183	33.205	5.965	0.12419	2.27978	4	X
K06S25X	17.7	0.15	K13B4	19.458	61.242	287.219	6.064	0.23125	2.30550	5	X
K06S26B	17.6	0.15	K13B4	352.254	60.096	327.309	11.730	0.13740	2.30733	5	X
K06S59V	17.6	0.15	K13B4	19.920	316.355	46.210	7.881	0.16718	2.27988	5	X
K06S69N	18.3	0.15	K13B4	356.211	221.322	168.149	2.777	0.17076	2.29890	4	X
K06S73O	17.7	0.15	K13B4	342.706	12.777	39.322	6.832	0.10340	2.31041	5	X
K06S76M	17.9	0.15	K13B4	24.964	194.375	162.950	3.663	0.14836	2.30583	6	X
K06SC9N	17.7	0.15	K13B4	15.979	360.000	3.889	7.935	0.17723	2.30236	5	X
K06SR2M	17.6	0.15	K13B4	13.512	347.156	29.730	7.027	0.14876	2.28551	2	X
K06SS2H	17.4	0.15	K13B4	348.700	358.970	48.855	3.196	0.14748	2.27658	7	X

K06ST4Y	18.5	0.15	K13B4	1.815	193.875	195.895	5.346	0.21294	2.29321	3	X
K06SX5X	17.6	0.15	K13B4	55.447	203.722	112.942	3.675	0.18668	2.29444	3	X
K06Sa5B	17.2	0.15	K13B4	61.124	350.420	323.039	5.692	0.15053	2.29508	4	X
K06T01Z	17.9	0.15	K13B4	313.603	90.567	13.215	8.002	0.28687	2.31347	4	X
K06T10C	17.2	0.15	K13B4	30.160	297.640	52.936	6.168	0.18928	2.31238	7	X
K06T12N	17.8	0.15	K13B4	343.552	135.270	275.000	3.639	0.16315	2.29633	4	X
K06T13J	17.8	0.15	K13B4	0.459	289.446	101.490	2.717	0.18019	2.30010	6	X
K06T44P	18.0	0.15	K13B4	37.489	286.577	45.331	3.661	0.25581	2.32858	3	X
K06T54G	17.8	0.15	K13B4	337.614	204.998	212.003	7.543	0.16783	2.34083	4	X
K06T60C	17.7	0.15	K13B4	28.793	322.708	26.305	7.997	0.10616	2.34702	4	X
K06T77V	17.4	0.15	K13B4	60.567	116.054	199.462	5.796	0.18290	2.30776	6	X
K06T78X	17.9	0.15	K13B4	18.976	326.032	38.716	6.364	0.24376	2.32150	5	X
K06T80C	17.4	0.15	K13B4	72.699	302.263	0.472	6.901	0.13192	2.32354	4	X
K06T81X	18.3	0.15	K13B4	339.123	52.489	2.101	5.219	0.15866	2.32974	3	X
K06T91E	17.6	0.15	K13B4	316.085	222.356	229.353	6.613	0.17689	2.33007	5	X
K06T94W	17.7	0.15	K13B4	22.844	299.757	52.640	6.835	0.27329	2.32275	4	X
K06T96Z	18.2	0.15	K13B4	354.634	205.438	200.897	4.536	0.20360	2.32342	3	X
K06U17L	17.8	0.15	K13B4	283.644	111.581	353.280	7.332	0.03696	2.30907	5	X
K06U53B	18.0	0.15	K13B4	343.101	3.183	53.239	2.696	0.17978	2.32270	5	X
K06U63Z	17.2	0.15	K13B4	35.110	21.998	299.610	6.315	0.26871	2.33664	3	X
K06U67M	16.7	0.15	K13B4	233.882	345.929	179.930	5.828	0.05114	2.30042	4	X
K06UH1Z	17.9	0.15	K13B4	36.501	92.569	222.893	13.309	0.31586	2.36536	4	X
K06UKOY	17.5	0.15	K13B4	314.163	214.606	233.219	9.369	0.17191	2.33889	4	X
K06UL8D	18.1	0.15	K13B4	356.185	22.541	15.180	5.564	0.14661	2.31900	4	X
K06UM2A	17.5	0.15	K13B4	43.608	37.381	286.931	3.875	0.17803	2.30449	5	X
K06UM2F	17.5	0.15	K13B4	60.805	89.745	215.345	10.517	0.20122	2.30176	6	X
K06UR8K	18.4	0.15	K13B4	24.367	114.452	236.198	3.250	0.19996	2.32313	3	X
K06V01O	17.7	0.15	K13B4	350.165	212.973	199.557	4.186	0.31238	2.32930	4	X
K06V01P	18.1	0.15	K13B4	342.847	52.417	4.715	5.959	0.22272	2.32127	3	X
K06V05V	18.1	0.15	K13B4	0.553	315.079	69.957	2.332	0.20001	2.33978	6	X
K06V25L	18.6	0.15	K13B4	7.412	241.524	143.016	1.766	0.17602	2.32979	4	X
K06V81Q	17.8	0.15	K13B4	348.547	171.882	232.203	5.799	0.09142	2.30617	7	X
K06V84Z	16.8	0.15	K13B4	11.482	346.138	34.160	6.755	0.22863	2.33011	5	X
K06VC6Q	17.5	0.15	K13B4	17.136	98.848	263.926	6.665	0.22921	2.33195	4	X
K06VF2U	17.7	0.15	K13B4	15.977	267.076	103.225	3.737	0.22186	2.32546	5	X
K06WF8T	18.0	0.15	K13B4	4.561	2.319	21.904	4.220	0.26276	2.35102	5	X
K06WA8K	17.3	0.15	K13B4	347.427	170.586	237.410	1.932	0.16806	2.35423	5	X
K06WF9Z	17.3	0.15	K13B4	326.412	59.385	16.512	1.564	0.11548	2.42836	4	X
K06X01E	17.6	0.15	K13B4	12.312	336.260	58.573	21.161	0.14474	1.77538	5	X
K06X54P	17.4	0.15	K13B4	332.581	93.182	336.282	2.102	0.17468	2.36356	6	X
K06X60G	17.5	0.15	K13B4	24.960	353.771	0.054	2.355	0.22772	2.41332	7	X
K06Y01Y	18.0	0.15	K13B4	330.841	17.515	55.835	2.177	0.15741	2.36116	5	X
K06Y34N	18.1	0.15	K13B4	335.980	47.716	17.924	4.399	0.17536	2.39733	4	X
K07B49V	17.3	0.15	K13B4	263.344	0.539	144.164	11.328	0.19273	2.46125	4	X
K07B74F	17.7	0.15	K13B4	0.254	113.770	296.356	5.557	0.09124	2.38810	7	X
K07B90Q	16.8	0.15	K13B4	117.684	303.294	304.494	8.843	0.09726	2.57466	5	X
K07C35Z	17.5	0.15	K13B4	353.239	67.585	332.355	1.972	0.18694	2.43641	5	X
K07C37K	16.9	0.15	K13B4	293.966	116.871	353.438	1.360	0.14292	2.44659	5	X
K07D02S	16.8	0.15	K13B4	357.081	250.861	133.890	10.056	0.00824	2.54796	6	X
K07D05G	17.4	0.15	K13B4	351.442	310.785	101.012	5.264	0.19191	2.39095	4	X
K07D05L	17.6	0.15	K13B4	340.324	74.485	335.782	6.475	0.10202	2.44374	5	X
K07D18P	16.6	0.15	K13B4	85.831	110.971	154.269	16.299	0.26698	2.77212	4	X
K07D69O	16.8	0.15	K13B4	73.733	299.896	344.068	9.482	0.21844	2.73600	4	X
K07E07S	15.9	0.15	K13B4	140.738	218.096	20.680	13.959	0.11340	2.62492	5	X
K07E36R	16.1	0.15	K13B4	167.184	106.072	103.278	8.198	0.15049	2.67311	6	X
K07E73N	16.4	0.15	K13B4	50.787	313.633	354.877	16.631	0.22710	2.73834	3	X
K07EA7P	16.8	0.15	K13B4	48.755	306.124	29.089	14.537	0.06374	2.66128	3	X
K07EG6Q	16.9	0.15	K13B4	219.134	74.754	103.167	8.421	0.25302	2.58533	5	X
K07EH8S	16.3	0.15	K13B4	312.173	239.933	202.058	21.471	0.06659	2.61289	4	X
K07EL4T	16.6	0.15	K13B4	29.643	327.097	18.077	6.693	0.18482	2.66592	7	X
K07EM2N	17.9	0.15	K13B4	205.910	163.759	27.215	21.600	0.05830	1.87206	4	X
K07G09O	15.7	0.15	K13B4	108.344	205.701	66.822	12.283	0.04719	2.67965	6	X
K07G40N	16.0	0.15	K13B4	85.199	254.858	47.165	12.007	0.05880	2.73123	5	X
K07G72R	17.7	0.15	K13B4	173.618	194.690	23.009	21.927	0.05618	1.87574	5	X
K07H83A	15.9	0.15	K13B4	142.423	169.530	71.224	12.907	0.03951	2.72020	4	X
K07J22V	16.4	0.15	K13B4	179.040	146.621	49.512	13.012	0.15704	2.75557	5	X
K07M13L	20.1	0.15	K13B4	103.963	139.249	135.544	18.112	0.08483	1.29727	3	X
K07O06S	17.1	0.15	K13B4	5.796	325.844	40.258	16.111	0.58707	3.30752	3	X
K07P26Y	16.4	0.15	K13B4	345.952	82.446	324.401	4.123	0.17928	3.20046	5	X
K07P46M	15.4	0.15	K13B4	76.509	141.048	162.239	17.459	0.01237	3.14356	6	X
K07Q15C	15.7	0.15	K13B4	4.560	37.598	337.149	7.960	0.07349	3.16783	3	X
K07Q17W	16.3	0.15	K13B4	1.192	21.882	7.494	10.538	0.05021	3.14924	4	X
K07R28X	16.2	0.15	K13B4	338.614	238.150	173.500	9.372	0.03931	3.18151	6	X
K07R48C	16.5	0.15	K13B4	10.890	193.899	183.029	4.290	0.14459	3.24937	5	X
K07R53N	15.8	0.15	K13B4	27.778	74.924	276.479	3.932	0.11984	3.25288	5	X
K07R60Q	15.6	0.15	K13B4	46.657	12.001	313.957	5.052	0.15425	3.18733	5	X
K07R69D	15.7	0.15	K13B4	21.088	1.028	0.078	11.369	0.03740	3.16713	5	X
K07R77S	16.5	0.15	K13B4	45.266	145.216	180.579	0.599	0.16623	3.17053	6	X
K07RM2U	15.9	0.15	K13B4	46.419	279.215	47.439	16.654	0.24439	3.16477	4	X
K07RO2J	15.3	0.15	K13B4	342.653	52.646	355.874	17.478	0.17349	3.19212	4	X
K07T01M	16.2	0.15	K13B4	34.249	167.610	166.502	1.525	0.27334	3.14250	5	X
K07T20F	15.4	0.15	K13B4	2.003	39.877	11.544	11.980	0.06874	3.15096	5	X
K07T59V	15.7	0.15	K13B4	294.278	295.295	172.662	25.050	0.14425	3.15500	6	X
K07TC8T	15.5	0.15	K13B4	9.566	156.147	221.802	9.237	0.09017	3.38223	4	X
K07TH4F	15.2	0.15	K13B4	67.769	275.221	23.254	14.974	0.09732	3.39839	3	X
K07TJ3P	16.5	0.15	K13B4	341.425	50.285	358.074	7.375	0.17159	3.21576	3	X
K07V32Y	16.3	0.15	K13B4	327.855	59.566	12.029	6.642	0.17148	3.37679	2	X
K07W39R	15.7	0.15	K13B4	7.743	167.874	210.433	11.678	0.09913	3.41726	5	X
K07Y54F	18.0	0.15	K13B4	341.011	35.207	18.131	4.578	0.07011	2.17631	6	X
K08AD7S	17.9	0.15	K13B4	356.556	264.686	135.840	3.475	0.15169	2.20092	2	X
K08B39P	17.5	0.15	K13B4	321.270	77.776	354.753	6.882	0.06834	2.20680	4	X
K08B46A	18.3	0.15	K13B4	324.850	190.655	242.470	1.224	0.12749	2.20736	5	X
K08C05A	19.8	0.15	K13B4	62.305	272.991	331.513	25.023	0.59503	1.86726	3	X
K08C23R	17.6	0.15	K13B4	239.253	180.310	334.239	4.968	0.12097	2.27109	5	X
K08C43O	17.4	0.15	K13B4	0.999	287.988	92.886	4.670	0.20419	2.27913	5	X
K08C75Z	17.4	0.15	K13B4	313.495	74.835	6.562	8.105	0.09141	2.27284	3	X
K08CD2A	17.6	0.15	K13B4	303.696	111.519	346.035	4.958	0.10433	2.23107	4	X

K08CH9F	17.0	0.15	K13B4	212.506	99.787	78.686	7.712	0.14731	2.30431	4	X
K08D750	17.1	0.15	K13B4	76.174	310.702	349.934	6.432	0.11377	2.35581	6	X
K08E70C	17.8	0.15	K13B4	294.885	191.249	273.950	4.729	0.14743	2.20981	4	X
K08F50D	17.2	0.15	K13B4	94.243	259.538	20.018	6.791	0.11427	2.44278	6	X
K08F57N	17.1	0.15	K13B4	57.517	151.294	158.114	2.960	0.21805	2.56116	6	X
K08F83E	17.0	0.15	K13B4	40.266	191.344	153.764	5.387	0.12247	2.41040	5	X
K08FD7N	17.6	0.15	K13B4	296.970	246.425	206.566	13.800	0.06640	2.40265	3	X
K08G09L	17.1	0.15	K13B4	33.163	297.117	37.702	12.937	0.28711	2.58434	4	X
K08G46Z	17.6	0.15	K13B4	253.161	33.404	100.866	7.613	0.07928	2.41491	4	X
K08G69Q	17.1	0.15	K13B4	167.461	112.602	96.196	7.861	0.12364	2.46428	5	X
K08GB6C	17.6	0.15	K13B4	256.559	27.174	113.233	5.562	0.10521	2.34809	5	X
K08GB7N	17.1	0.15	K13B4	48.468	179.698	144.441	5.480	0.22659	2.55213	5	X
K08GD9R	17.4	0.15	K13B4	323.439	44.532	33.007	6.473	0.08972	2.34493	4	X
K08GE1V	13.6	0.15	K13B4	298.189	319.794	131.286	12.731	0.04919	5.25939	7	X
K08H38B	21.2	0.15	K13B4	31.518	209.396	102.660	1.021	0.49239	1.85397	4	X
K08H46Z	16.9	0.15	K13B4	122.018	188.761	53.729	14.426	0.18579	2.54165	4	X
K08H51P	16.7	0.15	K13B4	29.473	113.034	225.647	15.557	0.26071	2.61519	5	X
K08H54J	16.6	0.15	K13B4	318.016	1.692	72.183	7.267	0.08765	2.42511	5	X
K08J22J	16.3	0.15	K13B4	91.240	305.768	295.924	11.825	0.21103	2.61565	7	X
K08K05Z	20.0	0.15	K13B4	23.749	194.198	142.700	8.374	0.45311	1.84114	2	X
K08K34P	17.3	0.15	K13B4	116.506	98.879	157.447	13.249	0.14238	2.53980	3	X
K08K36Z	17.2	0.15	K13B4	38.367	128.423	207.535	14.489	0.15507	2.59331	3	X
K08L08T	16.1	0.15	K13B4	45.496	43.553	269.897	12.087	0.18493	2.76664	3	X
K08O01L	16.3	0.15	K13B4	45.964	356.561	323.779	7.440	0.21367	2.77907	6	X
K08O03U	16.5	0.15	K13B4	39.300	172.019	165.373	5.459	0.16647	2.76513	4	X
K08P06M	16.9	0.15	K13B4	13.807	86.071	284.886	3.452	0.16656	2.77840	5	X
K08P07H	16.6	0.15	K13B4	42.861	65.358	260.112	6.652	0.21085	2.77235	6	X
K08P10Z	16.4	0.15	K13B4	33.666	333.517	5.951	18.050	0.22644	2.73885	5	X
K08P16S	16.3	0.15	K13B4	42.064	147.522	182.737	9.905	0.24757	2.80268	5	X
K08Q21M	16.2	0.15	K13B4	336.872	90.651	314.016	13.910	0.15062	2.85946	4	X
K08Q33T	16.2	0.15	K13B4	0.966	220.955	172.497	8.592	0.08393	2.79981	7	X
K08Q36B	16.3	0.15	K13B4	74.911	313.289	344.996	7.911	0.13896	2.79143	4	X
K08Q39T	17.0	0.15	K13B4	359.975	152.254	235.402	1.025	0.07873	2.87214	6	X
K08RD1Z	16.0	0.15	K13B4	19.892	254.758	115.002	5.078	0.12150	2.80113	6	X
K08S21L	16.8	0.15	K13B4	323.630	140.884	321.487	4.939	0.21034	2.68711	4	X
K08S30J	16.5	0.15	K13B4	22.082	188.631	174.839	9.452	0.19969	2.77879	5	X
K08SAlU	16.4	0.15	K13B4	32.495	135.505	215.192	4.849	0.06545	2.96969	5	X
K08SJ60	18.4	0.15	K13B4	347.987	24.285	24.409	21.082	0.12211	1.85402	2	X
K08SO9T	16.3	0.15	K13B4	58.343	89.313	226.935	8.611	0.05105	2.90675	5	X
K08SP1E	17.0	0.15	K13B4	57.603	142.316	183.531	1.746	0.06983	2.91836	4	X
K08SP5M	15.8	0.15	K13B4	68.822	67.029	241.786	10.512	0.08831	2.96506	4	X
K08SQ50	15.9	0.15	K13B4	338.779	170.232	233.288	8.008	0.04972	3.04107	5	X
K08SQ8Z	17.3	0.15	K13B4	13.324	109.991	258.290	7.217	0.24812	2.90979	3	X
K08SS6Z	16.0	0.15	K13B4	340.225	103.321	296.283	8.233	0.13525	2.98488	5	X
K08SU5N	16.5	0.15	K13B4	17.670	309.348	49.192	14.736	0.14170	2.98386	3	X
K08SU8P	15.7	0.15	K13B4	10.314	36.116	327.107	11.749	0.14828	2.99417	5	X
K08T01A	18.7	0.15	K13B4	270.888	145.602	22.078	14.833	0.44841	1.39637	4	X
K08TCOB	16.4	0.15	K13B4	62.444	99.797	213.893	10.840	0.10323	2.91464	4	X
K08TD6A	17.0	0.15	K13B4	7.016	156.745	217.981	9.897	0.15409	2.97108	3	X
K08TH7Z	15.4	0.15	K13B4	309.024	271.184	178.833	16.382	0.18630	3.08019	4	X
K08TI8M	17.1	0.15	K13B4	5.120	141.681	237.501	13.658	0.18258	2.93204	3	X
K08U34C	16.3	0.15	K13B4	129.269	185.607	58.564	13.344	0.08747	3.09022	4	X
K08U38M	16.2	0.15	K13B4	335.615	12.004	39.135	9.642	0.13097	3.06031	4	X
K08U73P	16.1	0.15	K13B4	241.730	110.302	43.483	26.556	0.17067	3.17161	3	X
K08U74L	15.3	0.15	K13B4	347.221	137.421	262.354	9.561	0.06385	3.08534	5	X
K08U83P	16.2	0.15	K13B4	11.148	106.569	261.677	7.278	0.11113	2.94107	5	X
K08U90N	19.9	0.15	K13B4	35.896	312.998	33.552	17.545	0.12561	1.40445	4	X
K08UB7G	16.2	0.15	K13B4	25.644	100.789	257.299	8.326	0.02541	3.03237	4	X
K08UC9S	16.1	0.15	K13B4	15.675	120.739	223.911	13.471	0.10659	3.09404	4	X
K08UG2E	16.6	0.15	K13B4	0.364	106.542	273.423	3.389	0.11968	2.99722	2	X
K08UG9S	15.6	0.15	K13B4	181.656	133.936	62.355	13.083	0.08787	3.12040	5	X
K08UJ3J	16.3	0.15	K13B4	3.743	313.675	62.528	9.722	0.15096	3.00755	5	X
K08UJ5Y	15.9	0.15	K13B4	340.801	168.619	235.151	14.523	0.06712	3.13925	4	X
K08UL4G	16.1	0.15	K13B4	331.411	62.455	356.377	10.769	0.08145	2.97033	5	X
K08UL5K	15.3	0.15	K13B4	314.704	167.546	253.147	11.008	0.01845	3.07903	2	X
K08UM7A	16.3	0.15	K13B4	313.473	24.490	49.280	16.684	0.08599	3.12666	3	X
K08UO2D	16.1	0.15	K13B4	307.847	125.226	327.037	8.147	0.10946	3.04581	4	X
K08US9G	16.0	0.15	K13B4	333.941	335.355	74.639	13.710	0.07587	3.14285	4	X
K08UV2V	15.5	0.15	K13B4	33.933	47.975	294.272	8.490	0.10811	3.09379	5	X
K08UZ4A	15.9	0.15	K13B4	331.841	173.373	238.881	9.707	0.04310	3.15585	5	X
K08UZ7F	16.4	0.15	K13B4	351.954	17.729	24.093	6.459	0.11810	3.03052	3	X
K08Ua9Q	16.8	0.15	K13B4	15.923	86.661	272.399	3.966	0.14273	3.10860	3	X
K08V00N	16.8	0.15	K13B4	0.548	277.196	59.988	12.917	0.64416	3.04918	3	X
K08V10N	15.9	0.15	K13B4	71.675	227.032	70.915	12.726	0.14093	3.07339	4	X
K08V12D	16.0	0.15	K13B4	41.309	118.010	213.743	14.616	0.15451	3.05609	5	X
K08V34O	16.3	0.15	K13B4	344.585	325.047	75.307	10.401	0.11016	3.06338	4	X
K08V40Z	15.7	0.15	K13B4	30.909	330.325	18.788	9.720	0.08095	3.05396	4	X
K08V44P	17.1	0.15	K13B4	44.543	102.916	203.206	13.677	0.32522	3.06038	5	X
K08V71N	15.9	0.15	K13B4	346.372	82.094	329.796	16.795	0.33839	3.09653	3	X
K08V74E	16.0	0.15	K13B4	111.448	191.816	74.543	10.642	0.05340	3.17090	3	X
K08V76Y	15.5	0.15	K13B4	145.367	140.824	88.786	10.134	0.05372	3.16949	4	X
K08V77B	15.8	0.15	K13B4	8.916	275.482	93.005	10.241	0.07642	3.16167	5	X
K08V77E	16.0	0.15	K13B4	275.962	17.046	91.133	9.500	0.03209	3.12045	4	X
K08W11X	16.4	0.15	K13B4	15.678	192.753	173.442	1.539	0.18683	3.01412	3	X
K08W22R	16.2	0.15	K13B4	324.414	180.011	238.192	4.530	0.16371	3.07300	2	X
K08W41Y	16.4	0.15	K13B4	330.873	46.472	19.775	2.587	0.15695	3.06244	6	X
K08W47Y	15.4	0.15	K13B4	204.276	116.947	74.795	9.858	0.01967	3.12480	4	X
K08W64G	16.1	0.15	K13B4	352.786	154.076	264.278	9.086	0.16962	2.97524	5	X
K08W66V	16.0	0.15	K13B4	329.924	351.005	73.298	11.100	0.12522	3.07107	4	X
K08W92D	15.8	0.15	K13B4	311.501	190.179	243.700	7.982	0.04110	3.11685	5	X
K08WA3L	15.7	0.15	K13B4	254.816	268.002	225.797	12.829	0.07409	3.05459	5	X
K08WD1A	16.4	0.15	K13B4	46.033	264.386	69.925	12.549	0.05561	3.17851	3	X
K08X02P	18.5	0.15	K13B4	339.047	0.900	58.745	23.242	0.34681	1.88847	3	X
K08X17L	15.9	0.15	K13B4	342.483	197.451	211.857	3.882	0.12044	3.10944	6	X
K08X290	14.7	0.15	K13B4	334.078	31.141	44.227	20.180	0.21859	3.19020	6	X
K08Y050	16.3	0.15	K13B4	335.268	301.363	126.307	4.190	0.22744	3.06044	4	X
K08Y27X	16.0	0.15	K13B4	354.328	313.760	70.730	5.495	0.13003	3.14339	5	X

K08YBOR	16.9	0.15	K13B4	345.973	15.898	39.077	3.218	0.26631	3.02993	4	X
K08YF3E	16.5	0.15	K13B4	337.954	117.346	311.285	3.285	0.28675	3.09691	3	X
K09C390	16.1	0.15	K13B4	309.563	172.489	281.088	8.844	0.16262	3.09873	3	X
K09K00Q	17.1	0.15	K13B4	59.680	106.484	209.357	6.864	0.16624	2.23994	7	X
K09K06Z	18.4	0.15	K13B4	83.897	155.917	130.869	7.734	0.15274	2.22478	3	X
K09M08Y	17.5	0.15	K13B4	90.933	146.589	117.128	7.182	0.25732	2.34707	4	X
K09O04Y	17.0	0.15	K13B4	47.898	171.070	152.365	2.601	0.21820	2.40656	5	X
K09O13K	17.7	0.15	K13B4	43.465	177.427	146.258	2.688	0.17795	2.41952	5	X
K09O25E	16.6	0.15	K13B4	42.000	341.284	340.793	8.510	0.24724	2.42440	6	X
K09P13Z	16.8	0.15	K13B4	79.882	313.552	323.956	6.065	0.24491	2.41897	5	X
K09P21E	17.5	0.15	K13B4	36.013	88.806	249.657	3.926	0.19055	2.42268	4	X
K09Q09E	16.5	0.15	K13B4	52.783	95.246	215.700	10.404	0.21991	2.45086	5	X
K09Q53K	18.1	0.15	K13B4	334.714	159.472	267.200	1.466	0.17944	2.43234	5	X
K09R13K	17.6	0.15	K13B4	322.296	22.692	63.443	1.289	0.17748	2.48313	6	X
K09R19F	17.7	0.15	K13B4	18.709	72.659	270.602	3.883	0.25192	2.54986	3	X
K09S01K	18.3	0.15	K13B4	75.062	104.402	184.425	30.813	0.22291	1.61102	3	X
K09S05N	17.5	0.15	K13B4	9.661	133.880	240.677	4.423	0.28183	2.47532	2	X
K09S15G	17.5	0.15	K13B4	30.789	302.953	42.528	4.375	0.22259	2.42904	5	X
K09S19D	18.7	0.15	K13B4	25.019	169.089	180.900	2.046	0.27080	2.47497	3	X
K09S35H	16.9	0.15	K13B4	4.812	13.396	8.460	13.479	0.09388	2.53326	4	X
K09S41L	18.1	0.15	K13B4	337.070	108.020	313.222	0.593	0.17379	2.46197	4	X
K09S59V	16.4	0.15	K13B4	133.787	248.600	347.029	8.812	0.15920	2.55170	2	X
K09S77F	17.0	0.15	K13B4	32.550	229.879	115.892	5.087	0.06519	2.56892	6	X
K09SB0Y	18.8	0.15	K13B4	17.716	135.461	221.018	3.745	0.25175	2.45391	2	X
K09SC5N	17.1	0.15	K13B4	58.867	334.743	342.322	6.019	0.11930	2.51387	6	X
K09SC7V	16.5	0.15	K13B4	352.126	65.225	311.414	12.237	0.21350	2.60988	3	X
K09SD4Y	17.5	0.15	K13B4	37.871	337.229	3.878	5.458	0.13125	2.52802	5	X
K09SD8J	16.7	0.15	K13B4	96.846	78.162	200.831	14.543	0.08470	2.55656	5	X
K09SF2X	17.4	0.15	K13B4	334.137	223.007	204.842	3.708	0.20665	2.44579	5	X
K09SM8Z	17.7	0.15	K13B4	348.556	27.819	17.167	12.222	0.19534	2.55341	2	X
K09SS5E	17.1	0.15	K13B4	330.764	63.927	359.681	8.934	0.07621	2.45328	4	X
K09SX7L	16.6	0.15	K13B4	326.659	351.061	91.408	6.342	0.13932	2.46412	6	X
K09SZ8Y	17.7	0.15	K13B4	291.718	315.205	151.718	1.700	0.13415	2.47282	4	X
K09Sa1D	16.8	0.15	K13B4	20.575	346.634	10.250	13.864	0.19344	2.55442	2	X
K09T07U	17.2	0.15	K13B4	50.155	316.545	354.331	5.571	0.22931	2.43130	4	X
K09T12B	16.5	0.15	K13B4	17.268	310.956	47.922	12.437	0.17441	2.60519	3	X
K09T14M	16.8	0.15	K13B4	350.850	14.544	41.040	16.500	0.24122	2.54278	5	X
K09T35N	17.5	0.15	K13B4	3.857	307.476	55.447	5.957	0.28326	2.61662	4	X
K09T39T	16.5	0.15	K13B4	38.878	100.433	222.330	12.845	0.09688	2.63923	4	X
K09U84T	17.7	0.15	K13B4	24.906	248.353	96.164	3.376	0.21521	2.62661	3	X
K09U87O	16.3	0.15	K13B4	34.564	109.870	235.398	13.740	0.13166	2.59983	5	X
K09U88J	17.5	0.15	K13B4	1.627	161.701	210.217	13.476	0.26845	2.60388	2	X
K09U89Q	17.7	0.15	K13B4	22.965	358.527	350.003	4.372	0.29752	2.55508	2	X
K09U92H	16.9	0.15	K13B4	3.156	332.221	54.322	4.687	0.20722	2.60431	7	X
K09UA7Q	17.3	0.15	K13B4	24.877	106.839	244.453	4.769	0.10505	2.67015	3	X
K09UB0Y	17.1	0.15	K13B4	358.632	145.671	228.710	5.262	0.15061	2.67545	3	X
K09UC3R	16.5	0.15	K13B4	4.305	166.536	198.596	14.611	0.19015	2.61884	4	X
K09UD6R	16.7	0.15	K13B4	0.400	180.864	207.236	12.699	0.16378	2.59491	5	X
K09UD6X	16.5	0.15	K13B4	0.672	328.682	56.291	13.813	0.16756	2.59219	3	X
K09UE6U	16.7	0.15	K13B4	51.484	79.438	236.365	11.204	0.18634	2.61257	5	X
K09V16Z	17.4	0.15	K13B4	356.687	346.974	48.516	2.526	0.16405	2.62930	4	X
K09V18W	17.0	0.15	K13B4	333.575	98.657	325.247	2.093	0.17209	2.59843	5	X
K09V23N	16.8	0.15	K13B4	353.608	181.589	217.108	5.326	0.25160	2.60696	2	X
K09V43K	18.3	0.15	K13B4	352.256	61.012	342.905	4.251	0.32599	2.57211	2	X
K09V62S	16.4	0.15	K13B4	276.091	251.155	236.051	7.004	0.15063	2.68499	4	X
K09V72D	17.4	0.15	K13B4	328.720	272.588	183.678	6.850	0.33708	2.55290	3	X
K09V72G	17.1	0.15	K13B4	17.345	232.814	136.815	5.142	0.26917	2.54880	6	X
K09V75Z	17.0	0.15	K13B4	40.052	135.416	191.409	3.500	0.29071	2.59690	5	X
K09V91U	16.5	0.15	K13B4	329.140	241.317	190.923	11.055	0.15910	2.60421	5	X
K09VA9C	17.2	0.15	K13B4	341.266	50.642	1.497	4.607	0.09665	2.58280	5	X
K09W09P	16.3	0.15	K13B4	12.912	284.843	78.373	9.798	0.14686	2.63428	5	X
K09W28L	17.0	0.15	K13B4	2.935	109.667	275.402	0.980	0.11284	2.63091	5	X
K09W47H	16.7	0.15	K13B4	327.604	237.055	206.566	12.606	0.22695	2.61128	4	X
K09W52Y	15.9	0.15	K13B4	280.194	226.255	243.993	13.071	0.06892	2.70700	6	X
K09W68H	16.6	0.15	K13B4	356.016	170.917	218.499	12.612	0.04728	2.65915	5	X
K09W71P	16.5	0.15	K13B4	21.493	126.161	234.257	10.191	0.09705	2.65654	4	X
K09W75W	17.0	0.15	K13B4	16.494	265.029	96.013	6.500	0.09407	2.69132	6	X
K09W84O	17.9	0.15	K13B4	4.247	65.942	313.257	3.256	0.26228	2.59944	3	X
K09W87R	16.7	0.15	K13B4	354.697	17.533	20.204	4.797	0.09325	2.63964	5	X
K09WA3H	17.3	0.15	K13B4	346.281	345.506	75.364	6.791	0.26564	2.59173	3	X
K09WB3B	16.9	0.15	K13B4	279.121	243.867	234.659	13.429	0.12502	2.69007	4	X
K09WB4B	17.3	0.15	K13B4	11.377	141.799	213.968	12.921	0.27662	2.63770	3	X
K09WC5L	17.1	0.15	K13B4	45.991	83.052	235.633	4.106	0.16863	2.72231	3	X
K09WD6T	17.3	0.15	K13B4	337.883	117.267	298.184	1.645	0.10653	2.60763	4	X
K09WF2Q	17.2	0.15	K13B4	41.754	41.519	302.805	5.804	0.25022	2.52854	3	X
K09WF9B	16.9	0.15	K13B4	350.595	180.823	224.250	6.880	0.17784	2.63553	4	X
K09WG8B	17.4	0.15	K13B4	330.308	351.770	80.028	5.037	0.13348	2.60861	5	X
K09WH0B	16.4	0.15	K13B4	25.491	311.302	51.295	13.023	0.14326	2.62619	5	X
K09WIOJ	17.0	0.15	K13B4	34.647	152.355	191.925	2.601	0.16562	2.65814	5	X
K09WIOU	16.7	0.15	K13B4	260.067	58.641	87.193	9.737	0.21713	2.74380	4	X
K09WJ4K	16.7	0.15	K13B4	26.312	128.479	225.278	16.111	0.10672	2.64085	3	X
K09WK0M	17.1	0.15	K13B4	17.250	140.549	224.418	5.772	0.09963	2.68345	6	X
K09WK3W	16.4	0.15	K13B4	274.714	38.050	75.586	10.437	0.04696	2.74601	6	X
K09WL7S	17.7	0.15	K13B4	352.274	136.248	263.665	3.612	0.21280	2.60800	3	X
K09WN3J	16.8	0.15	K13B4	324.824	268.500	174.420	7.155	0.16455	2.62160	7	X
K09WPOH	17.1	0.15	K13B4	5.060	104.657	262.233	6.839	0.25534	2.64112	3	X
K09WP7G	17.0	0.15	K13B4	4.157	321.660	63.245	5.253	0.17024	2.62937	6	X
K09WQ3B	16.4	0.15	K13B4	310.164	172.462	273.645	4.177	0.08864	2.73200	6	X
K09Y06K	15.2	0.15	K13B4	328.601	77.684	345.321	26.149	0.23126	3.05016	2	X
K10A23H	15.7	0.15	K13B4	177.730	281.862	289.217	8.046	0.01375	3.01037	6	X
K10A33B	16.3	0.15	K13B4	319.088	103.761	325.464	7.510	0.09127	2.92874	6	X
K10A33K	15.3	0.15	K13B4	87.148	317.135	323.513	11.843	0.04628	3.18945	5	X
K10A73V	16.2	0.15	K13B4	274.284	15.141	103.621	11.395	0.05605	2.78396	5	X
K10AA3Y	15.9	0.15	K13B4	293.793	287.156	188.124	26.436	0.26291	3.04423	3	X
K10B04Y	16.1	0.15	K13B4	225.893	25.485	132.044	11.485	0.04518	3.10243	4	X
K10B46R	15.5	0.15	K13B4	306.021	59.425	46.372	10.502	0.20619	3.13139	5	X
K10C02H	16.3	0.15	K13B4	320.297	284.172	142.367	12.120	0.06436	3.10020	6	X

K10C11X	15.6	0.15	K13B4	294.218	168.819	276.360	8.445	0.07806	3.11017	5	X
K10C20A	16.2	0.15	K13B4	223.912	22.027	146.218	14.463	0.14201	3.12418	6	X
K10C35A	16.4	0.15	K13B4	333.553	309.403	120.325	9.592	0.25304	2.89427	4	X
K10C56T	15.5	0.15	K13B4	269.472	149.251	329.799	23.369	0.08403	3.09409	3	X
K10C85K	16.5	0.15	K13B4	264.374	343.531	154.000	11.520	0.18345	3.04113	4	X
K10CB5L	16.3	0.15	K13B4	340.869	65.324	344.109	10.229	0.10539	3.03411	4	X
K10CE9K	16.0	0.15	K13B4	13.209	60.042	313.101	5.443	0.06527	2.97974	6	X
K10CI3V	15.8	0.15	K13B4	326.215	63.501	28.972	15.551	0.03920	3.04147	5	X
K10CI4A	16.1	0.15	K13B4	248.007	66.513	92.345	14.958	0.28840	3.06947	5	X
K10D38S	15.8	0.15	K13B4	299.210	104.880	347.815	11.895	0.10725	3.14472	4	X
K10E43L	16.5	0.15	K13B4	338.996	86.869	327.348	10.463	0.29818	2.76605	3	X
K10ED3G	16.1	0.15	K13B4	326.346	68.428	14.056	26.755	0.24615	3.06210	3	X
K10G06Y	19.3	0.15	K13B4	46.184	115.956	204.718	21.906	0.23439	1.28675	2	X
K10G24P	16.3	0.15	K13B4	333.692	64.335	1.154	8.107	0.17937	3.10603	6	X
K10G28U	14.2	0.15	K13B4	149.415	138.783	81.667	11.730	0.09904	3.98913	4	X
K10G74B	16.3	0.15	K13B4	285.576	287.530	214.178	30.353	0.34972	2.75720	4	X
K10J39P	18.2	0.15	K13B4	56.353	108.559	201.898	20.533	0.08110	1.89972	4	X
K10T54N	19.3	0.15	K13B4	28.110	34.662	283.545	4.734	0.44474	2.10828	3	X
K10U07U	17.8	0.15	K13B4	51.054	10.072	288.493	5.668	0.36323	2.15380	3	X
K10U56U	18.7	0.15	K13B4	12.056	103.427	270.542	1.603	0.17975	2.14190	4	X
K10U72U	17.3	0.15	K13B4	16.823	358.125	10.905	3.979	0.12422	2.15841	5	X
K10V01D	22.1	0.15	K13B4	23.652	296.380	26.303	5.996	0.54266	2.09052	2	X
K10V16S	18.1	0.15	K13B4	61.863	21.055	296.122	4.838	0.05698	2.13060	4	X
K10VB2L	17.8	0.15	K13B4	15.844	140.886	224.219	5.648	0.14276	2.16719	4	X
K10X17K	17.6	0.15	K13B4	293.939	359.128	98.822	6.958	0.06508	2.31897	5	X
K10X63B	17.7	0.15	K13B4	320.152	181.311	251.271	3.924	0.10076	2.28872	6	X
K11A46G	16.4	0.15	K13B4	168.324	74.649	136.519	14.008	0.08612	2.63070	6	X
K11A65P	16.9	0.15	K13B4	116.641	136.473	112.950	8.959	0.15861	2.73764	5	X
K11A66X	18.4	0.15	K13B4	341.010	179.953	240.649	0.588	0.20466	2.26742	5	X
K11B34P	17.4	0.15	K13B4	344.781	153.388	254.980	1.824	0.08134	2.38361	7	X
K11B46W	17.0	0.15	K13B4	169.618	64.128	149.533	13.527	0.10566	2.62319	7	X
K11B51H	16.8	0.15	K13B4	268.719	177.141	301.931	8.493	0.03029	2.52680	3	X
K11B62R	17.2	0.15	K13B4	232.737	77.076	90.892	7.214	0.07094	2.43719	6	X
K11C11B	18.3	0.15	K13B4	6.265	100.824	281.432	1.205	0.20850	2.34227	4	X
K11C14W	17.5	0.15	K13B4	352.820	87.698	308.770	2.635	0.13000	2.39505	4	X
K11C18Y	16.3	0.15	K13B4	111.457	346.665	277.860	3.832	0.12076	2.69891	6	X
K11C23C	16.4	0.15	K13B4	35.771	5.576	335.954	8.843	0.06259	2.60436	5	X
K11C25R	16.9	0.15	K13B4	330.854	136.583	307.539	5.778	0.08283	2.31217	4	X
K11C35S	16.1	0.15	K13B4	108.433	292.808	321.778	11.110	0.09171	2.73050	6	X
K11C51T	17.9	0.15	K13B4	350.182	66.599	332.291	2.997	0.11414	2.42994	5	X
K11C54J	17.4	0.15	K13B4	60.727	179.592	142.233	11.662	0.04771	2.56843	4	X
K11C62G	17.3	0.15	K13B4	38.077	187.946	149.634	9.847	0.13490	2.57968	6	X
K11D24H	16.7	0.15	K13B4	274.409	292.274	205.964	8.945	0.22113	2.41108	4	X
K11E01B	16.8	0.15	K13B4	191.495	249.497	301.125	5.113	0.02653	2.57937	4	X
K11E17K	16.7	0.15	K13B4	237.023	47.949	108.717	8.519	0.13884	2.61321	6	X
K11E44N	16.0	0.15	K13B4	23.766	338.021	29.033	6.271	0.00604	2.72639	8	X
K11E44V	15.7	0.15	K13B4	172.807	201.827	11.789	17.666	0.05433	2.81643	5	X
K11E51F	16.5	0.15	K13B4	215.949	144.959	27.500	35.257	0.29781	2.67288	3	X
K11E69A	15.9	0.15	K13B4	355.376	275.605	112.512	7.306	0.08422	2.79654	4	X
K11E73M	17.2	0.15	K13B4	301.797	11.824	99.495	3.393	0.16770	2.37801	4	X
K11E76Z	17.5	0.15	K13B4	305.823	102.303	6.993	6.039	0.24269	2.35542	3	X
K11F01D	17.7	0.15	K13B4	321.957	83.752	1.948	22.520	0.23599	2.27977	2	X
K11F13X	15.2	0.15	K13B4	75.155	274.084	27.729	18.158	0.10263	3.15170	6	X
K11F21O	16.1	0.15	K13B4	3.211	235.755	144.597	8.919	0.09706	2.94083	8	X
K11F24W	16.2	0.15	K13B4	130.960	167.764	75.377	10.766	0.03428	3.05338	5	X
K11F25D	17.1	0.15	K13B4	245.765	18.465	154.973	12.998	0.09808	2.57182	6	X
K11F26F	16.6	0.15	K13B4	123.794	144.044	110.086	10.088	0.08127	3.06515	7	X
K11F44X	16.4	0.15	K13B4	18.726	342.614	29.007	6.301	0.05595	2.76061	6	X
K11F57Q	16.3	0.15	K13B4	20.078	2.606	355.933	12.585	0.16113	2.98429	3	X
K11F90F	16.9	0.15	K13B4	210.566	50.406	127.441	11.178	0.17857	2.75133	3	X
K11FC5A	15.6	0.15	K13B4	90.163	303.779	340.030	10.699	0.10147	3.09237	5	X
K11FD8Z	16.8	0.15	K13B4	38.399	135.064	208.484	5.640	0.04780	2.78753	8	X
K11FF0H	16.1	0.15	K13B4	290.639	49.235	52.987	14.710	0.11579	2.77031	4	X
K11FF1L	15.7	0.15	K13B4	197.845	139.329	45.394	12.042	0.05250	2.88877	2	X
K11FF3K	15.8	0.15	K13B4	62.785	60.714	249.414	8.797	0.09354	3.10388	4	X
K11G06N	16.4	0.15	K13B4	351.156	266.319	127.708	6.956	0.12676	2.76390	4	X
K11G10P	16.3	0.15	K13B4	12.732	30.547	333.337	4.153	0.17857	3.04425	5	X
K11G40Q	16.9	0.15	K13B4	260.897	84.492	48.245	13.772	0.12976	2.63566	5	X
K11G50E	16.0	0.15	K13B4	11.858	287.495	93.698	6.592	0.08659	2.75149	4	X
K11G55Q	16.9	0.15	K13B4	199.699	63.529	124.281	7.042	0.08689	3.01532	5	X
K11G74Y	15.7	0.15	K13B4	62.898	220.998	96.228	6.046	0.13985	3.18813	7	X
K11G84L	16.0	0.15	K13B4	80.001	175.301	116.130	11.716	0.05686	3.15885	4	X
K11G87Y	16.3	0.15	K13B4	139.175	111.198	118.163	8.856	0.15961	3.12040	5	X
K11H11N	16.0	0.15	K13B4	216.265	81.344	86.435	14.261	0.11952	3.05715	5	X
K11H25X	15.9	0.15	K13B4	144.066	144.375	99.407	8.221	0.10954	3.18515	5	X
K11H34Q	16.2	0.15	K13B4	181.012	119.437	74.219	14.579	0.13305	3.14779	4	X
K11H36M	16.2	0.15	K13B4	289.033	324.538	131.889	8.259	0.04465	3.04928	5	X
K11H42U	16.4	0.15	K13B4	320.568	283.115	141.715	9.787	0.08690	2.98163	5	X
K11H48V	16.6	0.15	K13B4	183.117	43.756	159.121	10.994	0.04426	3.09162	6	X
K11H48X	16.0	0.15	K13B4	254.756	39.532	92.278	12.943	0.07503	3.00240	7	X
K11H50S	16.2	0.15	K13B4	185.370	91.190	105.594	11.430	0.05995	3.17075	3	X
K11H51E	15.8	0.15	K13B4	278.760	337.426	134.843	11.609	0.10446	3.01647	6	X
K11H57U	16.6	0.15	K13B4	202.352	26.592	154.677	14.976	0.16245	3.09450	4	X
K11H58Z	15.7	0.15	K13B4	322.158	339.222	89.033	12.602	0.08062	3.03639	6	X
K11H60L	16.1	0.15	K13B4	256.983	31.431	91.666	10.446	0.01661	3.08573	4	X
K11H67G	16.1	0.15	K13B4	199.966	31.418	151.659	12.947	0.11007	3.15405	4	X
K11H80Q	16.4	0.15	K13B4	199.082	28.353	159.116	11.845	0.12410	3.14546	5	X
K11J05O	15.9	0.15	K13B4	16.571	316.999	62.698	5.459	0.06163	2.78305	7	X
K11J20K	16.4	0.15	K13B4	187.625	121.952	72.062	10.759	0.06719	3.21272	4	X
K11J25J	16.3	0.15	K13B4	331.460	356.373	53.909	12.730	0.04291	2.97786	6	X
K11K37D	16.5	0.15	K13B4	216.430	100.887	73.044	15.504	0.12081	3.06011	5	X
K11K43G	16.5	0.15	K13B4	213.737	103.482	64.585	14.914	0.12268	3.10286	4	X
K11K43M	15.6	0.15	K13B4	92.472	220.156	79.263	9.208	0.02550	3.16083	6	X
K11O26X	13.6	0.15	K13B4	41.472	221.844	105.996	8.795	0.08127	5.22483	6	X
K11UF8W	19.4	0.15	K13B4	62.042	8.535	286.302	4.650	0.37494	1.61636	2	X
K11W95U	19.4	0.15	K13B4	43.321	242.215	67.781	6.720	0.42468	1.66657	3	X
K12B85T	17.5	0.15	K13B4	44.047	108.620	221.273	20.218	0.06600	1.89266	5	X

K12B98D	18.0	0.15	K13B4	133.009	260.952	337.876	17.362	0.06986	1.96304	2	X
K12D04S	18.7	0.15	K13B4	354.487	43.748	357.122	21.647	0.09851	1.84983	2	S
K12D43U	17.0	0.15	K13B4	234.080	143.692	18.799	21.166	0.08587	1.90299	4	X
K12E14R	20.4	0.15	K13B4	358.899	14.740	33.951	6.866	0.36357	1.63755	2	X
K12F10L	18.4	0.15	K13B4	329.614	71.624	346.373	18.728	0.13126	1.91928	3	X
K12F44L	16.9	0.15	K13B4	115.381	188.877	54.046	12.987	0.22946	2.61344	3	X
K12F56Z	18.2	0.15	K13B4	329.309	26.082	39.355	21.327	0.09316	1.95340	2	X
K12F74D	16.4	0.15	K13B4	60.880	91.296	203.463	19.265	0.21292	2.80363	4	X
K12G02J	17.2	0.15	K13B4	76.999	259.951	27.493	4.899	0.13845	2.44105	5	X
K12G13B	16.4	0.15	K13B4	51.715	292.029	16.806	16.146	0.25722	2.64047	7	X
K12H07F	17.3	0.15	K13B4	147.956	113.782	118.814	7.547	0.06038	2.32329	5	X
K12H16S	16.9	0.15	K13B4	61.474	142.753	162.805	13.806	0.18571	2.73183	3	X
K12H17V	17.6	0.15	K13B4	170.257	125.276	87.008	7.460	0.09507	2.25521	4	X
K12H19U	16.8	0.15	K13B4	108.634	49.903	220.486	21.154	0.10108	2.39208	5	X
K12H28U	17.9	0.15	K13B4	147.537	123.266	104.446	7.003	0.16275	2.31437	5	X
K12H48T	16.2	0.15	K13B4	32.386	212.948	126.174	10.766	0.22338	2.79262	6	X
K12H50D	16.3	0.15	K13B4	89.598	63.792	200.732	26.752	0.21274	2.74357	4	X
K12H63O	16.4	0.15	K13B4	79.304	224.875	54.265	15.530	0.17594	2.62279	5	X
K12H66W	16.7	0.15	K13B4	65.209	82.466	221.925	12.213	0.18075	2.66469	3	X
K12H67O	17.0	0.15	K13B4	63.412	218.633	75.996	10.924	0.22527	2.91920	3	X
K12H77C	16.3	0.15	K13B4	42.463	104.497	209.485	12.506	0.28644	3.16796	2	X
K12J02Q	16.8	0.15	K13B4	69.602	240.453	52.486	12.433	0.19022	2.66349	5	X
K12J11F	16.8	0.15	K13B4	75.693	82.366	208.143	9.515	0.16214	2.79415	4	X
K12J13K	17.0	0.15	K13B4	32.338	147.935	199.482	8.576	0.13575	2.59342	6	X
K12J14Y	15.6	0.15	K13B4	79.611	90.887	182.032	13.918	0.21878	2.99153	5	X
K12J26H	15.9	0.15	K13B4	66.402	251.281	43.808	16.154	0.27506	2.99961	4	X
K12J58N	17.1	0.15	K13B4	28.628	286.732	66.096	2.395	0.21670	2.41340	7	X
K12K13V	17.7	0.15	K13B4	84.713	118.402	178.529	3.138	0.01741	2.39429	7	X
K12K47M	16.0	0.15	K13B4	54.260	117.760	182.388	25.809	0.26136	3.19557	4	X
K12K48K	17.0	0.15	K13B4	102.829	137.804	120.243	8.712	0.18289	2.77444	5	X
K12K51C	17.1	0.15	K13B4	113.793	107.384	142.288	13.204	0.23669	2.62333	5	X
K12K51F	16.2	0.15	K13B4	75.484	129.158	160.895	15.310	0.11914	2.74054	7	X
K12K51H	16.8	0.15	K13B4	112.475	109.040	145.196	14.009	0.13129	2.57846	6	X
K12L00Q	17.0	0.15	K13B4	298.975	327.967	123.020	7.308	0.07315	2.35357	6	X
K12L02P	16.1	0.15	K13B4	77.400	104.789	174.252	25.282	0.26432	3.17934	4	X
K12L08H	16.4	0.15	K13B4	77.151	124.464	155.133	16.573	0.24785	3.10197	4	X
K12L13J	16.4	0.15	K13B4	129.920	69.953	167.970	18.467	0.23308	2.62757	4	X
K12M00Y	15.9	0.15	K13B4	51.525	76.053	224.738	15.781	0.15892	3.13338	3	X
K12M11S	16.2	0.15	K13B4	87.726	97.500	166.894	25.579	0.28197	3.15807	5	X
K12M12P	16.0	0.15	K13B4	204.122	25.853	156.036	10.310	0.03052	2.97973	4	X
K12Q40H	12.9	0.15	K13B4	36.845	93.965	244.168	10.575	0.02723	5.13266	5	X
K12R01W	13.2	0.15	K13B4	67.111	11.072	301.575	5.533	0.06929	5.13832	8	X
K12S21Q	13.3	0.15	K13B4	106.827	213.873	89.306	5.387	0.01326	5.17140	11	X
K12T00S	20.8	0.15	K13B4	182.480	21.016	190.921	16.459	0.11306	0.99064	2	X
K12V02H	12.7	0.15	K13B4	40.753	328.589	9.674	23.033	0.03464	5.25671	7	X
K12V37E	20.7	0.15	K13B4	234.659	149.879	48.292	17.461	0.53677	1.04020	2	W
K13CC9E	22.0	0.15	K13B4	93.709	230.409	22.708	4.724	0.30423	1.34358	2	X
K13E89R	20.2	0.15	K13B4	62.974	283.527	1.061	26.971	0.53618	1.69481	2	W
K13H23O	18.0	0.15	K13B4	27.292	134.884	122.300	4.974	0.21957	2.29458	3	W
K13K01Y	17.9	0.15	K13B4	45.429	136.289	122.506	19.020	0.52749	2.62332	4	X
K13M05X	18.9	0.15	K13B4	33.675	52.593	250.441	6.611	0.44834	2.26975	2	X
K13O05N	18.7	0.15	K13B4	35.893	185.686	123.357	7.391	0.52090	2.33859	4	X
K13P03M	16.8	0.15	K13B4	357.422	139.030	240.675	7.079	0.25392	2.44324	2	X
K13P06V	19.2	0.15	K13B4	20.480	161.235	182.509	6.170	0.46989	2.28021	4	X
K13P12E	16.5	0.15	K13B4	9.823	51.913	308.890	10.140	0.21835	3.12457	3	X
K13P16H	16.4	0.15	K13B4	74.803	320.603	323.596	9.895	0.22107	2.56635	7	X
K13P25Z	16.7	0.15	K13B4	1.959	186.583	199.729	14.386	0.26583	2.61723	3	X
K13P31A	16.8	0.15	K13B4	5.641	35.647	332.244	11.849	0.28947	2.63777	3	X
K13P31P	16.1	0.15	K13B4	23.093	39.428	304.322	11.745	0.13960	3.11372	2	X
K13P37M	16.9	0.15	K13B4	56.294	34.447	263.430	12.504	0.19959	2.42274	4	X
K13P44H	8.9	0.15	K13B4	353.993	178.485	160.885	33.537	0.20809	19.61506	2	X
K13P68Z	16.5	0.15	K13B4	348.523	96.928	293.013	12.350	0.15897	2.73562	2	W
K13P72S	17.4	0.15	K13B4	7.384	198.200	148.328	12.821	0.20209	2.63450	2	W
K13Q11Q	18.2	0.15	K13B4	1.199	21.249	335.356	17.761	0.07887	1.90832	3	W
K13Q18S	16.1	0.15	K13B4	307.109	73.384	336.388	17.480	0.10427	3.09261	2	W
K13Q20T	16.9	0.15	K13B4	337.246	50.128	349.093	12.591	0.27922	2.67028	2	W
K13Q21Q	16.5	0.15	K13B4	72.230	169.775	97.520	6.240	0.12208	2.74262	2	W
K13Q21T	16.2	0.15	K13B4	298.165	25.867	39.702	6.539	0.11167	2.93844	2	W
K13Q26D	16.8	0.15	K13B4	309.128	36.896	24.369	0.740	0.18691	2.52701	3	W
K13Q26T	17.8	0.15	K13B4	8.195	302.847	57.653	4.091	0.17765	2.25050	3	W
K13Q29H	17.3	0.15	K13B4	342.391	207.831	171.347	2.724	0.11721	2.72505	2	W
K13Q37T	16.9	0.15	K13B4	3.514	151.586	212.678	13.108	0.11970	2.47603	2	X
K13Q42Y	16.3	0.15	K13B4	6.333	359.608	21.904	14.101	0.25347	2.61710	2	X
K13Q47A	15.5	0.15	K13B4	316.306	111.523	319.823	14.310	0.12921	2.84358	3	X
K13Q47D	16.4	0.15	K13B4	336.879	199.511	205.191	18.078	0.23896	3.05657	4	X
K13Q47O	17.8	0.15	K13B4	359.469	105.308	268.439	6.277	0.15153	2.27819	2	X
K13Q70Z	17.8	0.15	K13B4	345.816	30.857	351.933	1.979	0.20071	2.28540	2	W
K13Q76F	17.0	0.15	K13B4	287.863	136.989	286.585	2.920	0.00968	2.53774	2	W
K13Q82E	16.6	0.15	K13B4	79.688	289.150	334.009	8.750	0.04952	2.97029	2	W
K13Q94X	15.9	0.15	K13B4	342.471	231.546	161.575	8.874	0.07379	3.17706	2	W
K13R01K	18.3	0.15	K13B4	51.231	332.178	347.392	18.679	0.05374	1.92565	3	X
K13R02E	17.2	0.15	K13B4	50.789	120.978	170.014	8.948	0.11475	2.38763	2	W
K13R03H	18.0	0.15	K13B4	356.799	16.590	12.083	4.098	0.15424	2.25133	2	W
K13R04P	18.1	0.15	K13B4	0.808	26.351	355.428	7.862	0.16732	2.19481	2	W
K13R07U	17.0	0.15	K13B4	105.366	70.526	168.407	16.816	0.10270	2.54271	2	W
K13R14G	17.1	0.15	K13B4	28.957	148.071	173.014	9.757	0.16347	2.59957	2	W
K13R18Q	16.3	0.15	K13B4	28.351	106.040	234.805	20.043	0.32395	3.18317	2	W
K13R19L	15.7	0.15	K13B4	349.651	26.491	358.289	18.093	0.09126	3.09515	3	W
K13R21P	18.9	0.15	K13B4	301.702	50.277	28.482	19.280	0.12936	1.88746	3	S
K13R22C	16.2	0.15	K13B4	351.635	40.619	357.180	11.918	0.15893	2.63133	2	X
K13R25Z	16.9	0.15	K13B4	58.323	207.572	92.650	5.135	0.18734	2.21401	4	W
K13R27E	17.6	0.15	K13B4	327.997	62.283	5.813	5.801	0.13355	2.20154	5	X
K13R31O	15.9	0.15	K13B4	63.513	298.476	6.763	13.476	0.17957	2.56308	4	X
K13R32K	18.0	0.15	K13B4	27.116	348.680	356.228	19.855	0.07430	1.88149	3	W
K13R35G	17.6	0.15	K13B4	30.609	196.367	145.055	6.708	0.14991	2.26051	2	W
K13R35H	16.9	0.15	K13B4	93.810	120.170	151.631	6.810	0.11515	2.40926	4	X
K13R35J	16.7	0.15	K13B4	354.350	334.680	56.654	7.292	0.11729	2.43465	2	X

K13R35X	15.9	0.15	K13B4	36.103	313.417	23.763	17.047	0.22067	3.15107	6	X
K13R37E	17.9	0.15	K13B4	52.130	139.476	170.200	5.701	0.15907	2.36544	2	W
K13R37P	16.6	0.15	K13B4	88.636	263.605	8.046	12.778	0.13390	2.57019	2	W
K13R38B	17.4	0.15	K13B4	271.889	291.356	181.877	6.019	0.09261	2.43475	3	W
K13R39D	16.5	0.15	K13B4	6.609	2.830	1.928	4.462	0.08763	2.78266	2	W
K13R44H	15.9	0.15	K13B4	8.552	71.203	294.220	10.564	0.12885	3.08737	2	X
K13R44Q	16.4	0.15	K13B4	17.486	261.480	106.932	4.878	0.11015	2.75382	2	W
K13R45M	16.2	0.15	K13B4	15.982	79.072	277.669	9.157	0.09287	3.07954	2	W
K13R46G	16.9	0.15	K13B4	324.529	81.288	332.566	6.305	0.11184	3.10510	2	W
K13R46W	16.2	0.15	K13B4	105.003	262.656	351.229	11.502	0.10417	2.74906	2	W
K13R46X	18.0	0.15	K13B4	61.405	93.858	202.813	3.825	0.14668	2.36747	2	W
K13R48A	17.0	0.15	K13B4	8.890	173.134	191.242	3.273	0.10657	2.76750	2	W
K13R48D	16.1	0.15	K13B4	227.759	152.618	356.596	25.478	0.10309	3.14461	2	W
K13R49T	16.7	0.15	K13B4	329.826	82.018	326.119	9.954	0.13428	3.04110	2	W
K13R50U	16.5	0.15	K13B4	348.569	60.861	329.235	7.132	0.17617	2.67605	2	X
K13R51X	17.0	0.15	K13B4	338.406	74.865	9.230	27.266	0.40763	2.66984	3	X
K13R53A	17.5	0.15	K13B4	343.784	88.744	313.593	7.328	0.17779	2.37339	3	W
K13R57A	16.0	0.15	K13B4	38.693	330.074	346.446	12.568	0.20804	3.11277	2	W
K13R60U	17.8	0.15	K13B4	32.193	358.077	347.110	5.191	0.19525	2.19296	7	X
K13R61A	16.5	0.15	K13B4	13.591	26.709	334.426	14.167	0.17128	2.61275	2	X
K13R64X	17.1	0.15	K13B4	350.487	169.240	235.452	2.860	0.19352	2.63851	2	X
K13R65S	18.2	0.15	K13B4	119.948	42.641	194.618	3.491	0.09489	2.26705	3	W
K13R68G	15.3	0.15	K13B4	49.802	76.443	237.395	12.564	0.18058	3.17174	3	W
K13R68N	16.8	0.15	K13B4	350.681	19.566	10.294	4.888	0.16806	2.79074	4	W
K13R69M	15.5	0.15	K13B4	321.317	353.945	67.565	10.771	0.05470	3.05784	2	W
K13R73N	16.4	0.15	K13B4	68.188	310.047	328.501	12.674	0.32183	2.59118	5	X
K13R74V	16.6	0.15	K13B4	341.360	203.110	202.059	8.215	0.21417	2.89332	3	W
K13R74X	17.4	0.15	K13B4	114.389	219.184	18.289	0.113	0.16024	2.43322	4	W
K13R81P	16.5	0.15	K13B4	317.535	243.099	180.792	14.997	0.16924	3.20497	2	W
K13R85M	18.3	0.15	K13B4	32.417	132.083	207.710	9.063	0.17375	2.32644	2	W
K13R88K	16.3	0.15	K13B4	15.131	57.706	303.054	3.943	0.08836	3.08698	4	W
K13R88O	16.4	0.15	K13B4	354.414	188.600	195.942	21.325	0.07673	3.11269	2	W
K13R89Q	17.5	0.15	K13B4	58.842	344.409	329.052	3.241	0.10611	2.25103	2	X
K13R90C	16.3	0.15	K13B4	152.562	17.969	200.406	12.647	0.10104	2.64475	3	W
K13R93K	16.3	0.15	K13B4	270.881	272.880	202.374	8.828	0.06230	3.16480	3	W
K13R94E	15.2	0.15	K13B4	4.424	183.549	192.917	17.622	0.21705	3.18306	5	X
K13R94G	17.8	0.15	K13B4	357.386	28.700	4.361	12.566	0.29177	2.65010	2	W
K13S14D	17.1	0.15	K13B4	326.288	233.200	183.529	8.917	0.17760	2.73014	3	W
K13S15A	17.7	0.15	K13B4	43.898	315.676	0.679	4.137	0.19391	2.57797	2	W
K13S15O	16.5	0.15	K13B4	276.887	274.229	188.044	1.772	0.04507	2.88703	3	W
K13S18S	16.0	0.15	K13B4	28.892	185.397	145.100	4.450	0.17018	3.11711	5	W
K13S21H	16.6	0.15	K13B4	342.819	166.071	227.926	23.746	0.13723	2.30239	3	W
K13S22A	17.6	0.15	K13B4	61.480	127.539	169.399	4.383	0.10026	2.72586	2	W
K13S22N	15.6	0.15	K13B4	355.352	146.048	251.808	16.920	0.19787	3.09465	2	W
K13S22Q	16.6	0.15	K13B4	356.597	127.194	270.650	4.219	0.07626	2.59915	4	W
K13S22T	16.4	0.15	K13B4	346.459	222.524	190.992	11.463	0.18308	2.61047	2	W
K13S25T	16.7	0.15	K13B4	7.668	140.212	242.777	5.016	0.04464	2.70374	2	W
K13S26J	16.2	0.15	K13B4	36.392	135.673	192.614	26.859	0.25820	3.15077	2	W
K13S26K	15.3	0.15	K13B4	350.016	346.923	53.241	16.304	0.04055	3.14428	3	W
K13S26Z	16.0	0.15	K13B4	39.856	321.051	15.797	11.492	0.13205	3.00713	3	X
K13S27J	16.0	0.15	K13B4	345.922	246.802	161.370	5.433	0.17625	3.13877	3	X
K13S27K	16.3	0.15	K13B4	151.807	7.785	214.451	14.226	0.04678	2.54604	4	W
K13S29F	17.6	0.15	K13B4	354.587	199.204	202.542	14.157	0.24926	2.56990	2	X
K13S29T	16.6	0.15	K13B4	359.517	309.494	79.238	3.135	0.09008	2.74177	5	X
K13S29V	17.0	0.15	K13B4	17.034	296.196	71.496	4.320	0.18492	2.59214	6	X
K13S32X	17.0	0.15	K13B4	351.371	197.866	180.634	2.131	0.10412	2.97972	2	W
K13S33D	16.7	0.15	K13B4	33.384	323.689	359.203	9.160	0.18776	2.56791	3	W
K13S34V	18.2	0.15	K13B4	13.444	358.898	356.258	1.681	0.19296	2.51165	2	W
K13S35K	18.2	0.15	K13B4	10.019	5.500	356.102	6.024	0.12342	2.31339	2	W
K13S36L	18.4	0.15	K13B4	353.093	143.202	242.378	0.524	0.18983	2.40915	2	W
K13S36R	17.0	0.15	K13B4	348.815	201.471	186.415	3.696	0.16996	2.72660	2	W
K13S37L	17.3	0.15	K13B4	19.330	214.189	135.240	2.996	0.14979	2.41867	2	W
K13S40H	17.0	0.15	K13B4	38.295	315.368	17.284	23.252	0.25327	2.32696	2	W
K13S42W	17.0	0.15	K13B4	14.851	225.414	133.153	8.587	0.20230	2.61740	2	W
K13S43H	16.3	0.15	K13B4	352.911	312.376	73.316	10.260	0.04514	2.90122	2	W
K13S44W	16.4	0.15	K13B4	297.703	258.879	179.584	21.809	0.06050	2.55692	3	W
K13S45M	17.0	0.15	K13B4	225.014	323.429	180.774	1.887	0.01665	2.85200	2	W
K13S48K	16.3	0.15	K13B4	348.055	290.342	107.790	6.069	0.05494	2.78082	2	W
K13S50P	16.0	0.15	K13B4	26.687	170.859	177.705	7.521	0.15301	3.18810	2	W
K13S50U	16.6	0.15	K13B4	350.194	0.736	43.645	0.870	0.23784	3.13397	2	W
K13S51E	16.6	0.15	K13B4	25.260	178.049	178.627	9.520	0.14248	2.73404	4	W
K13S51J	16.2	0.15	K13B4	344.591	25.964	27.402	32.889	0.17368	2.60551	4	X
K13S51L	16.6	0.15	K13B4	13.336	268.586	105.693	4.129	0.18584	2.98797	2	W
K13S51U	18.0	0.15	K13B4	19.024	192.916	171.831	4.535	0.07548	2.14656	2	W
K13S52F	17.8	0.15	K13B4	281.797	292.256	188.978	23.862	0.11641	1.92886	2	W
K13S52H	15.9	0.15	K13B4	301.665	324.631	131.119	11.855	0.06157	3.08069	2	W
K13S53J	15.9	0.15	K13B4	35.384	327.356	10.764	15.372	0.07748	3.16400	2	W
K13S54W	17.7	0.15	K13B4	76.975	273.075	4.374	4.188	0.17020	2.19201	2	W
K13S55K	18.1	0.15	K13B4	12.693	168.053	201.390	14.959	0.28168	2.54075	3	X
K13T00S	16.3	0.15	K13B4	359.068	166.666	205.810	15.292	0.16752	2.86689	2	W
K13T01D	16.8	0.15	K13B4	30.850	71.599	253.135	7.753	0.20469	2.78037	2	X
K13T01Y	15.5	0.15	K13B4	330.467	45.700	17.524	9.461	0.07698	3.16393	2	W
K13T06R	17.2	0.15	K13B4	359.100	84.856	291.680	2.384	0.08314	2.41776	2	W
K13T06Z	18.1	0.15	K13B4	18.983	37.254	314.144	4.413	0.21840	2.31772	2	W
K13T08E	17.0	0.15	K13B4	4.545	348.782	36.175	14.380	0.24212	2.69217	2	X
K13T08P	16.3	0.15	K13B4	67.393	254.886	35.373	8.495	0.18808	2.76688	2	W
K13T08Q	17.6	0.15	K13B4	57.941	293.099	352.217	6.588	0.26644	2.41773	2	W
K13T08T	17.1	0.15	K13B4	28.515	133.403	191.307	0.607	0.28798	2.65885	2	W
K13T10E	16.4	0.15	K13B4	359.253	154.588	226.099	13.460	0.19082	3.12502	2	W
K13T10P	17.5	0.15	K13B4	38.718	3.464	331.864	2.498	0.20062	2.40528	2	W
K13T10S	17.9	0.15	K13B4	21.095	224.729	132.650	6.450	0.31155	2.32412	4	S
K13T11L	17.5	0.15	K13B4	16.439	229.070	138.613	7.998	0.20144	2.53332	2	W
K13T11P	16.1	0.15	K13B4	11.209	258.467	116.666	5.064	0.08355	2.76525	7	X
K13T13E	17.9	0.15	K13B4	44.325	164.176	157.036	2.810	0.22006	2.42924	2	W
K13T13S	18.0	0.15	K13B4	48.210	238.672	79.857	2.355	0.19255	2.36150	2	W
K13T14W	17.8	0.15	K13B4	37.755	162.973	171.420	5.629	0.21506	2.38913	3	X
K13T17Q	16.7	0.15	K13B4	293.923	214.269	262.016	4.410	0.15271	3.00342	2	W

K13T18N	16.6	0.15	K13B4	323.294	73.912	3.299	6.902	0.08661	2.72499	2 W
K13T18V	16.0	0.15	K13B4	21.604	115.588	229.505	7.643	0.21801	3.18241	2 W
K13T23S	16.6	0.15	K13B4	64.899	14.919	304.417	3.325	0.10581	2.71900	3 W
K13T23V	16.5	0.15	K13B4	51.072	96.464	246.875	5.582	0.01662	2.76818	2 W
K13T24G	16.9	0.15	K13B4	16.388	158.321	208.076	17.215	0.27742	2.64851	2 W
K13T24T	16.9	0.15	K13B4	358.413	49.043	349.350	2.888	0.13334	3.06848	2 W
K13T25B	17.1	0.15	K13B4	71.624	285.245	19.306	7.056	0.17893	2.41705	2 W
K13T26L	18.1	0.15	K13B4	62.994	155.526	144.982	0.979	0.19338	2.32433	2 W
K13T26U	17.0	0.15	K13B4	49.149	144.543	188.316	6.054	0.00968	2.72636	2 W
K13T28G	16.7	0.15	K13B4	12.376	308.371	61.036	2.989	0.07944	2.87055	2 W
K13T30D	16.1	0.15	K13B4	299.040	269.499	204.221	7.553	0.08153	2.77180	3 W
K13T30R	16.8	0.15	K13B4	24.109	190.120	177.908	4.222	0.18216	2.58735	2 W
K13T32G	17.6	0.15	K13B4	26.945	247.799	99.702	3.411	0.26396	2.55133	2 W
K13T36E	17.7	0.15	K13B4	359.216	196.127	187.958	13.807	0.24838	2.66369	2 W
K13T37A	17.2	0.15	K13B4	347.040	313.164	92.606	3.874	0.21616	2.75701	2 W
K13T37O	16.0	0.15	K13B4	32.836	349.570	1.550	12.453	0.13473	3.06305	2 W
K13T37Q	16.4	0.15	K13B4	271.432	302.617	184.399	13.538	0.12023	2.62677	2 W
K13T39U	16.2	0.15	K13B4	356.757	203.247	193.707	4.403	0.09250	2.74060	3 W
K13T42P	16.9	0.15	K13B4	350.650	51.726	1.022	13.072	0.35828	2.72199	2 X
K13T43O	17.4	0.15	K13B4	25.549	153.930	205.584	7.116	0.15919	2.21132	5 X
K13T46G	17.5	0.15	K13B4	346.710	39.824	8.586	1.784	0.17157	2.46068	3 X
K13T46U	17.6	0.15	K13B4	3.025	169.874	217.162	5.594	0.14923	2.40847	3 X
K13T50R	16.9	0.15	K13B4	345.905	282.791	136.313	1.397	0.20357	3.01965	2 W
K13T50Y	17.5	0.15	K13B4	348.294	218.098	198.885	33.350	0.32011	2.65403	2 W
K13T51H	18.1	0.15	K13B4	71.436	267.329	24.219	7.191	0.15079	2.16414	3 W
K13T53O	16.9	0.15	K13B4	52.459	350.865	341.731	5.764	0.11104	2.13529	2 W
K13T59X	17.6	0.15	K13B4	14.731	130.923	239.104	7.922	0.16296	2.79548	2 W
K13T67W	16.7	0.15	K13B4	141.923	309.566	253.470	8.107	0.14195	2.59702	3 W
K13T74R	13.2	0.15	K13B4	84.160	265.299	36.338	26.656	0.07664	5.26563	6 X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc C
K13ED6F	16.8	0.15	K13B4	3.828	53.425	211.226	4.926	0.20826	3.06761	83 S
K13L31G	17.5	0.15	K13B4	29.934	62.325	275.061	16.683	0.13048	1.99643	91 S
K13N00J	21.8	0.15	K13B4	10.151	140.071	238.987	4.143	0.28217	1.28433	103 X
K13N22P	16.0	0.15	K13B4	275.136	246.326	253.248	8.124	0.08260	2.83518	85 S
K13P19Y	18.1	0.15	K13B4	23.138	177.346	152.329	6.112	0.31087	2.62244	62 S
K13P25Y	16.8	0.15	K13B4	336.521	122.479	300.211	10.821	0.28380	2.64325	62 S
K13P37L	17.0	0.15	K13B4	65.289	27.792	268.922	11.737	0.15571	2.36846	63 S
K13P43J	16.6	0.15	K13B4	41.060	6.415	319.598	8.384	0.20758	2.74523	69 X
K13P43R	23.4	0.15	K13B4	47.772	334.678	321.719	2.534	0.39933	1.66233	57 X
K13P68F	15.9	0.15	K13B4	22.101	134.620	174.549	4.934	0.22947	3.96887	135 S
K13P74A	17.9	0.15	K13B4	94.307	91.279	178.286	23.235	0.10357	1.93301	60 S
K13Q16G	17.7	0.15	K13B4	34.296	157.902	160.519	3.163	0.18368	2.25755	62 S
K13Q46J	16.6	0.15	K13B4	48.861	51.350	239.112	13.268	0.20210	2.71462	111 S
K13Q83N	17.8	0.15	K13B4	23.132	54.504	283.311	10.293	0.28108	2.33123	121 S
K13R19Z	18.7	0.15	K13B4	43.313	121.121	173.184	4.247	0.22753	2.36627	66 S
K13R21G	20.5	0.15	K13B4	327.263	146.306	343.551	40.811	0.67181	1.40749	39 X
K13R21K	24.5	0.15	K13B4	29.325	159.722	170.667	5.994	0.41959	1.80392	37 X
K13R43H	22.1	0.15	K13B4	26.987	103.250	216.535	4.243	0.44767	2.09706	33 X
K13R43M	19.9	0.15	K13B4	346.107	67.881	32.143	14.359	0.58395	2.11968	31 X
K13R60X	16.8	0.15	K13B4	15.925	158.031	206.030	11.402	0.30232	2.76186	107 X
K13R61P	17.5	0.15	K13B4	341.520	187.503	212.307	13.252	0.23164	2.46352	63 S
K13R68U	17.2	0.15	K13B4	15.321	27.256	310.132	9.327	0.16922	2.71544	63 S
K13R73W	20.4	0.15	K13B4	26.473	310.899	339.279	21.676	0.58910	2.46947	27 X
K13R73X	25.0	0.15	K13B4	8.667	216.414	170.670	3.662	0.22857	1.36560	27 X
K13R74H	20.9	0.15	K13B4	356.011	226.716	201.116	5.523	0.59459	2.28632	26 X
K13R80C	17.0	0.15	K13B4	341.568	256.965	176.571	15.077	0.50661	3.02638	30 S
K13S00H	18.5	0.15	K13B4	7.591	150.131	215.579	22.240	0.12822	1.85220	62 S
K13S19K	18.6	0.15	K13B4	10.829	146.996	231.412	26.539	0.43008	2.25425	12 X
K13S19O	21.9	0.15	K13B4	16.700	344.945	0.696	12.905	0.49694	2.22907	17 X
K13S19X	23.1	0.15	K13B4	33.724	329.516	1.292	27.857	0.35706	1.62639	7 X
K13S19Y	24.8	0.15	K13B4	38.440	140.391	198.733	2.723	0.22327	1.39770	15 X
K13S21E	23.9	0.15	K13B4	3.809	8.762	19.991	3.357	0.57151	2.48704	14 X
K13S24W	20.8	0.15	K13B4	17.634	323.545	347.369	6.150	0.65725	2.67394	15 X
K13S24X	23.6	0.15	K13B4	21.618	324.831	13.570	12.210	0.47060	1.98312	11 X
K13S40P	16.3	0.15	K13B4	8.938	180.846	215.853	10.505	0.10297	3.12159	82 S
K13S49Z	16.6	0.15	K13B4	13.412	163.453	223.721	4.794	0.30826	2.57337	84 S
K13S60X	16.2	0.15	K13B4	18.662	195.045	138.602	11.769	0.11092	2.87548	68 S
K13T04S	20.8	0.15	K13B4	0.450	186.486	217.320	2.604	0.35520	1.90514	8 X
K13T05R	19.1	0.15	K13B4	122.436	277.892	344.904	46.712	0.12751	0.93157	10 X
K13T06A	24.8	0.15	K13B4	7.488	189.287	194.062	18.584	0.44498	1.90726	7 X
K13T06B	22.5	0.15	K13B4	155.429	201.846	22.642	14.356	0.48353	0.78546	7 X
K13T06E	21.9	0.15	K13B4	358.337	187.072	221.734	7.310	0.53708	2.43472	7 X
K13T06F	21.7	0.15	K13B4	118.828	39.208	202.640	22.375	0.34603	1.21475	8 X
K13T06G	26.5	0.15	K13B4	158.004	221.084	14.020	3.215	0.12614	0.93817	6 X
K13T06H	25.8	0.15	K13B4	23.375	315.856	5.151	10.082	0.55459	2.05375	7 X
K13T07L	17.0	0.15	K13B4	55.037	123.957	195.233	21.628	0.30137	2.33756	88 S
K13T52Q	16.2	0.15	K13B4	109.687	265.767	5.262	13.334	0.14832	2.65434	84 S
K13T65R	17.0	0.15	K13B4	346.749	221.579	208.665	12.898	0.23091	2.65132	85 S
K13T69H	24.2	0.15	K13B4	4.062	51.514	336.471	2.297	0.55990	2.44927	5 X
K13T69J	22.0	0.15	K13B4	23.198	121.001	181.454	10.264	0.58393	2.40101	6 X
K13T69K	23.3	0.15	K13B4	353.656	254.439	176.224	5.085	0.62862	2.52711	6 X
K13T69L	21.3	0.15	K13B4	1.947	187.707	198.309	34.918	0.51506	2.40846	4 X
K13T69N	23.2	0.15	K13B4	356.463	225.869	190.263	6.558	0.58802	2.49381	3 X
K13T80A	18.7	0.15	K13B4	4.117	348.226	26.100	35.450	0.59948	4.33675	3 X
K13T80B	17.4	0.15	K13B4	348.682	18.208	58.874	12.760	0.54912	2.83514	2 S
K13TC7L	26.6	0.15	K13B4	14.723	292.342	35.497	0.327	0.65428	2.51544	1 S
K13TC7M	26.6	0.15	K13B4	336.128	258.452	204.479	2.609	0.41863	1.27260	1 S
K13TC7N	26.1	0.15	K13B4	201.156	2.490	198.845	13.427	0.09725	0.93466	1 S

New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc C
K08V10Q	16.7	0.15	K08AL	45.872	252.633	98.505	5.163	0.11676	2.84441	5 W
K12O03B	16.8	0.15	K127C	345.214	76.870	254.427	8.690	0.21537	3.14826	26 X
K13P44G	15.6	0.15	K1395	346.336	12.167	23.215	27.334	0.29636	3.06633	58 X
K13P73Z	17.5	0.15	K1395	0.677	54.648	309.469	4.872	0.20686	2.55308	62 X

K13P74E	17.2	0.15	K1395	15.312	355.562	335.611	13.786	0.19753	2.75000	60	X
K13Q84L	16.1	0.15	K1395	7.599	7.598	333.272	16.860	0.20564	3.18880	44	X
K13R00K	16.6	0.15	K1395	0.003	59.321	293.606	9.952	0.19611	2.60147	40	X
K13R08S	18.0	0.15	K1395	348.438	23.657	342.744	13.913	0.23552	2.36156	44	S
K13R25N	16.5	0.15	K1395	344.059	32.199	358.504	16.940	0.20994	3.14357	40	S
K13R26Q	17.9	0.15	K1395	14.095	341.301	4.171	6.812	0.14071	2.36975	37	X
K13R27J	17.0	0.15	K1395	9.604	316.283	31.513	13.880	0.27477	2.62212	37	X
K13R28Z	18.4	0.15	K1395	12.556	342.267	3.973	20.607	0.08938	1.90301	37	S
K13R30F	17.5	0.15	K1395	5.962	308.364	45.233	7.977	0.40509	2.67969	37	S
K13R34A	16.0	0.15	K1395	23.205	334.682	359.197	17.691	0.23009	3.16621	38	X
K13R35M	16.3	0.15	K1395	351.947	340.728	53.517	11.654	0.32906	3.07651	35	S
K13R43F	17.1	0.15	K139P	348.440	190.682	206.600	6.976	0.35952	2.61491	31	X
K13R44E	17.5	0.15	K1395	14.885	337.103	345.748	13.874	0.27429	2.63443	38	X
K13R44R	17.4	0.15	K1395	349.515	273.344	112.661	3.200	0.20451	2.40932	35	X
K13R55R	17.3	0.15	K1395	352.948	157.444	201.735	15.397	0.21382	2.68727	39	X
K13R60O	16.0	0.15	K139P	355.922	47.660	321.994	15.951	0.21736	3.13831	30	X
K13R68H	15.7	0.15	K139P	328.197	184.346	235.707	11.579	0.12831	3.16483	28	X
K13R84L	16.8	0.15	K139P	341.011	104.700	293.205	5.352	0.08136	2.70334	28	X
K13R85F	17.5	0.15	K139P	353.903	172.818	207.401	12.151	0.19676	2.77016	28	X
K13R85T	16.4	0.15	K139P	346.130	36.152	357.463	16.685	0.14729	3.10528	28	X
K13R87D	16.5	0.15	K139P	354.600	179.600	202.032	17.992	0.12166	3.11024	28	X
K13R91M	17.3	0.15	K139P	24.823	133.802	191.344	16.196	0.28172	3.02085	27	X
K13R91Y	17.8	0.15	K139P	345.335	88.256	305.837	1.418	0.22297	2.43143	27	X
K13R92U	16.9	0.15	K1395	25.418	339.904	348.374	1.920	0.21434	2.73795	36	X
K13R92W	18.9	0.15	K1395	21.782	355.480	337.139	1.571	0.17123	2.17378	36	X
K13R94T	16.9	0.15	K139P	27.772	348.333	345.287	5.424	0.21009	2.60306	28	X
K13R95G	17.8	0.15	K139P	44.966	343.251	323.667	1.477	0.22459	2.34831	26	X
K13S00D	15.9	0.15	K1395	20.737	316.584	36.782	26.017	0.13059	2.76394	35	X
K13S26H	16.5	0.15	K1395	26.634	353.962	340.099	8.520	0.15483	2.80160	38	X
K13S28H	17.7	0.15	K139P	3.440	145.675	226.958	3.611	0.17008	2.37788	13	X
K13S29O	16.5	0.15	K139P	5.872	96.058	273.623	4.723	0.06964	2.75163	26	X
K13S29P	17.7	0.15	K139P	358.378	68.987	306.692	3.722	0.23021	2.41788	26	X
K13S30C	16.6	0.15	K139P	0.831	307.887	70.538	3.940	0.14438	2.72135	11	X
K13S30D	17.1	0.15	K139P	29.717	134.826	191.262	12.996	0.28630	2.62454	16	X
K13S39C	16.9	0.15	K1395	352.792	6.968	15.336	9.793	0.25286	3.05460	44	X
K13S40M	16.4	0.15	K139P	52.285	68.933	231.089	12.495	0.21183	2.54412	25	X
K13S40N	16.3	0.15	K139P	341.800	149.938	254.093	9.219	0.20749	3.13399	15	X
K13S43S	16.5	0.15	K139P	37.689	278.995	40.797	14.706	0.17008	2.39142	27	X
K13S44D	18.2	0.15	K139P	339.290	211.263	191.703	3.881	0.26442	2.46953	18	X
K13S44H	17.4	0.15	K139P	14.982	20.191	316.175	12.045	0.24282	2.63941	28	X
K13S51K	17.7	0.15	K139P	335.234	339.187	74.622	3.437	0.17280	2.35792	13	X
K13S51M	17.2	0.15	K139P	4.480	300.561	70.980	4.440	0.25762	2.62847	16	X
K13S51O	18.2	0.15	K139P	9.887	266.765	95.075	4.026	0.25008	2.41476	13	X
K13S52B	18.1	0.15	K139P	22.273	256.965	78.590	2.809	0.27738	2.33536	16	X
K13S52Y	16.1	0.15	K139P	45.421	265.342	37.781	15.244	0.24163	3.11133	12	X
K13S52Z	17.6	0.15	K139P	69.736	213.658	68.358	6.233	0.17796	2.20427	12	X
K13S53A	17.0	0.15	K139P	35.624	8.401	321.527	5.540	0.12632	2.52105	26	X
K13S79Q	17.5	0.15	K139P	24.541	22.553	317.320	4.722	0.16413	2.27319	15	X
K13T01F	17.2	0.15	K1395	356.662	2.594	7.306	12.354	0.32370	2.58325	35	X
K13T01J	17.9	0.15	K139P	12.418	183.747	162.909	6.672	0.29493	2.67449	26	X
K13T01W	16.6	0.15	K139P	18.817	125.586	232.633	5.503	0.04832	2.70003	12	X
K13T02P	17.3	0.15	K139P	106.646	165.710	94.142	3.401	0.05802	2.28682	10	X
K13T07E	17.0	0.15	K139P	336.888	353.721	63.322	7.181	0.19610	2.64637	13	X
K13T07G	16.7	0.15	K1395	20.517	285.076	38.079	14.860	0.42316	3.06546	35	X
K13T07K	15.9	0.15	K1395	334.778	58.457	332.280	15.363	0.21738	3.17550	38	X
K13T10B	16.7	0.15	K1395	331.198	125.991	273.351	9.253	0.15369	2.73051	45	X
K13T10C	18.2	0.15	K139P	350.143	55.385	329.838	10.946	0.30854	2.64577	26	X
K13T10L	17.0	0.15	K139P	51.737	153.638	165.027	9.148	0.09324	2.57277	8	X
K13T10R	17.7	0.15	K139P	6.982	337.075	30.279	11.999	0.19818	2.47023	16	X
K13T10Z	16.2	0.15	K139P	13.214	318.459	39.099	10.881	0.07770	3.19454	8	X
K13T11S	17.7	0.15	K139P	22.493	342.478	1.781	2.928	0.17969	2.25586	8	X
K13T12G	17.0	0.15	K139P	17.514	341.122	8.777	5.242	0.13638	2.44760	9	X
K13T12H	17.4	0.15	K139P	338.810	285.248	129.860	5.324	0.21704	2.57572	6	X
K13T12P	17.6	0.15	K139P	7.242	314.537	49.957	8.533	0.20082	2.57023	10	X
K13T19X	18.5	0.15	K139P	346.793	218.938	170.453	2.409	0.22880	2.41627	10	X
K13T20B	17.7	0.15	K139P	44.377	153.766	152.152	1.577	0.19655	2.46275	10	X
K13T20L	15.9	0.15	K1395	59.586	136.913	152.474	1.579	0.15716	3.15216	40	X
K13T20R	17.8	0.15	K139P	329.236	28.106	26.563	2.800	0.20492	2.66566	10	X
K13T21K	17.5	0.15	K1395	27.833	183.860	136.480	2.562	0.20355	2.38649	38	X
K13T21T	17.8	0.15	K139P	13.600	312.587	35.625	4.178	0.19996	2.56183	10	X
K13T22H	18.6	0.15	K139P	359.865	328.236	39.854	3.109	0.20346	2.39462	10	X
K13T26X	19.0	0.15	K139P	7.566	158.535	200.197	0.837	0.18213	2.14289	10	S
K13T31O	16.9	0.15	K139P	7.224	45.518	323.308	4.725	0.09313	2.71561	9	X
K13T31Z	17.4	0.15	K139P	336.858	40.660	6.495	1.380	0.17329	2.36759	9	X
K13T32W	17.7	0.15	K139P	345.476	202.682	203.669	3.565	0.29517	2.60026	15	X
K13T33Y	17.1	0.15	K139P	55.270	255.736	46.841	5.051	0.24208	2.39085	9	X
K13T34K	16.6	0.15	K139P	345.837	211.796	194.446	14.588	0.27485	3.17619	27	X
K13T36Q	17.0	0.15	K1395	339.920	266.632	120.719	4.680	0.10845	2.72736	36	X
K13T38Z	16.8	0.15	K139P	338.636	27.168	19.974	20.761	0.28860	3.06456	27	X
K13T39Q	16.2	0.15	K139P	343.822	205.892	201.102	16.854	0.19694	3.17062	9	X
K13T40H	17.4	0.15	K139P	13.669	154.085	202.222	7.588	0.24890	2.74578	9	X
K13T43A	17.6	0.15	K139P	2.734	238.228	128.689	4.550	0.19818	2.55743	8	X
K13T43J	16.8	0.15	K139P	11.452	348.131	14.533	10.956	0.16159	2.74489	28	X
K13T43L	17.2	0.15	K139P	344.078	30.781	12.658	8.034	0.22155	2.77638	28	X
K13T44R	16.3	0.15	K139P	350.256	12.811	19.935	18.000	0.14301	3.08955	28	X
K13T45Q	15.8	0.15	K139P	43.772	113.786	207.443	9.111	0.15766	3.16805	8	X
K13T46B	18.3	0.15	K139P	356.863	14.879	5.054	2.452	0.20936	2.39537	28	X
K13T46Y	17.7	0.15	K139P	16.399	339.053	11.891	2.549	0.21839	2.37274	16	X
K13T47L	18.5	0.15	K139P	15.432	313.052	33.074	2.433	0.28782	2.38044	8	X
K13T49L	16.0	0.15	K139P	343.795	222.105	179.356	2.703	0.13483	3.07561	8	X
K13T49N	17.2	0.15	K139P	350.841	0.987	30.147	3.802	0.16736	2.63409	8	X
K13T49S	17.9	0.15	K139P	19.914	281.964	42.135	2.281	0.44566	3.14486	8	S
K13T49U	18.1	0.15	K139P	1.725	353.525	21.076	1.041	0.20338	2.43235	8	X
K13T49V	17.8	0.15	K139P	10.985	213.827	147.901	1.686	0.19616	2.43479	8	X
K13T49Y	18.0	0.15	K139P	343.814	3.855	34.465	6.645	0.10864	2.16623	9	X
K13T50A	17.9	0.15	K139P	339.695	266.348	140.889	3.208	0.17920	2.38331	8	X
K13T50P	16.7	0.15	K139P	323.246	44.422	41.366	2.564	0.26958	2.86078	8	X

K13T50W	16.8	0.15	K139P	1.753	341.173	35.062	4.375	0.17337	2.65340	16	X
K13T51E	15.6	0.15	K139P	327.324	25.574	42.158	11.175	0.09186	3.10158	8	X
K13T57D	17.3	0.15	K139P	63.715	332.510	315.683	4.127	0.21882	2.33902	9	X
K13T57J	15.7	0.15	K139P	70.760	52.856	253.299	4.916	0.01778	2.73841	7	X
K13T57O	18.3	0.15	K139P	33.598	19.530	309.300	4.394	0.17011	2.23211	7	X
K13T57R	17.6	0.15	K139P	336.558	161.927	255.798	5.246	0.28103	2.73015	7	X
K13T58O	16.1	0.15	K139P	16.852	106.617	242.348	11.885	0.23827	3.15627	7	S
K13T58P	17.9	0.15	K139P	12.869	359.568	350.921	13.147	0.29050	2.57841	15	X
K13T60P	15.9	0.15	K139P	330.155	71.192	346.077	9.697	0.10346	3.09343	15	X
K13T61P	16.8	0.15	K139P	321.254	201.056	237.649	9.585	0.24811	2.83129	7	S
K13T62Z	16.1	0.15	K139P	304.673	233.122	210.451	11.948	0.08865	3.06221	9	X
K13T63C	16.1	0.15	K139P	359.996	6.967	12.703	11.304	0.08530	3.18955	7	X
K13T65A	16.5	0.15	K139P	19.123	343.698	12.724	6.259	0.05264	2.70898	28	X
K13T65J	16.6	0.15	K139P	58.143	300.977	351.333	4.589	0.21777	2.66512	7	X
K13T65Q	17.3	0.15	K139P	341.483	215.631	211.569	33.359	0.31882	2.59017	13	S
K13T65S	18.0	0.15	K139P	17.383	7.202	345.515	8.052	0.14849	2.27439	15	X
K13T68K	17.8	0.15	K139P	3.355	119.073	250.991	5.541	0.16961	2.20626	15	X
K13T70T	18.5	0.15	K139P	333.226	230.353	175.629	3.410	0.17354	2.35068	10	X
K13T71H	17.5	0.15	K139P	317.760	79.514	347.484	6.125	0.10957	2.37184	9	X
K13T71L	16.9	0.15	K139P	68.820	297.437	2.498	10.520	0.07015	2.69107	9	X
K13T71N	15.8	0.15	K139P	281.627	268.814	215.294	10.315	0.21846	3.16960	9	S
K13T75W	18.7	0.15	K139P	6.291	52.818	309.366	1.564	0.20299	2.37736	7	X
K13T75Y	16.2	0.15	K139P	342.679	149.873	246.133	2.789	0.10147	2.80647	7	X
K13T78D	18.2	0.15	K139P	7.102	4.865	1.142	5.200	0.24072	2.55353	5	S
K13T78M	17.3	0.15	K139P	25.900	121.876	211.634	8.240	0.21334	2.73573	6	X
K13T78S	17.3	0.15	K139P	11.638	116.780	238.625	3.488	0.19009	2.73180	6	X
K13T80R	18.3	0.15	K139P	7.851	19.264	341.353	3.456	0.22577	2.20551	30	X
K13T84V	18.4	0.15	K139P	338.356	115.238	287.422	2.739	0.22851	2.27595	10	S
K13T94M	17.9	0.15	K139P	16.600	136.405	210.045	8.365	0.19759	2.20487	10	S
K13T94P	16.6	0.15	K139P	42.464	346.285	339.431	6.654	0.10707	2.57055	10	X
K13T96C	16.3	0.15	K139P	280.804	243.010	216.704	20.894	0.06666	2.64311	9	S
K13T96M	17.6	0.15	K139P	328.160	61.865	3.514	12.118	0.22446	2.60660	10	X
K13T96N	17.5	0.15	K139P	325.694	128.014	299.722	3.132	0.20559	2.60258	9	X
K13T96S	18.1	0.15	K139P	344.307	34.703	10.200	4.157	0.28836	2.63774	9	X
K13T96V	18.2	0.15	K139P	0.776	230.562	142.462	2.688	0.22627	2.41917	10	X
K13T97L	17.5	0.15	K139P	351.459	1.154	32.857	4.458	0.23779	2.35212	27	X
K13TA0M	14.7	0.15	K139P	138.084	29.517	190.283	19.237	0.20832	3.07267	10ES	
K13TA4L	18.2	0.15	K139P	16.640	18.267	327.685	1.679	0.26057	2.39275	9	X
K13TA4O	17.7	0.15	K139P	324.645	132.512	294.112	1.527	0.17231	2.45641	8	X
K13TA7L	18.0	0.15	K139P	21.984	272.367	57.997	2.349	0.39192	2.78100	8	X
K13TB2A	18.6	0.15	K139P	15.154	331.390	25.866	21.288	0.07040	1.92761	8	X
K13TB2G	16.8	0.15	K139P	93.856	73.294	191.244	5.065	0.20365	2.33760	8	X
K13TB4B	18.6	0.15	K139P	1.923	201.426	170.390	4.414	0.24081	2.27447	8	X
K13TB5P	17.9	0.15	K139P	59.045	97.177	210.305	5.684	0.10838	2.22125	7ES	
K13TB8E	17.5	0.15	K139P	351.681	34.301	350.088	15.661	0.16975	2.52552	7	S
K13TB9F	16.1	0.15	K139P	51.160	67.760	252.985	10.102	0.06692	2.88048	7	X
K13TC1M	17.9	0.15	K139P	33.529	112.999	211.376	5.231	0.18651	2.29816	7	X
K13TC5W	16.8	0.15	K139P	11.522	154.897	202.815	14.616	0.13998	2.67589	6	X
K13TC6O	17.4	0.15	K139P	359.027	60.347	312.326	2.687	0.20605	2.59723	17	S

New observations:

J99S10K	C2013	10	11.12292	00	31	34.39	+04	35	07.9	18.6	RrET093Y00
J99S10K	C2013	10	11.13054	00	31	33.65	+04	34	59.0	18.3	RrET093Y00
J99S10K	C2013	10	11.13861	00	31	32.87	+04	34	46.9	18.4	RrET093Y00
K00J01F	C2013	10	11.13783	23	29	56.82	-24	29	07.1	20.9	VuET093807
K00J01F	C2013	10	11.14336	23	29	56.63	-24	29	01.0	21.0	VuET093807
K00J01F	C2013	10	11.14888	23	29	56.47	-24	28	55.2	20.9	VuET093807
K01A43V	JC2013	10	12.18323	23	25	46.47	-04	45	50.1	20.5	RoET093695
K01A43V	JC2013	10	12.18443	23	25	46.30	-04	45	50.6	20.3	RoET093695
K01A43V	JC2013	10	12.18561	23	25	46.13	-04	45	51.0	20.3	RoET093695
K01A43V	JC2013	10	12.18677	23	25	45.98	-04	45	51.7	20.5	RoET093695
K02M01T	KC2013	10	11.13844422	51	57.32	-02	43	41.8	23.0	VuET093H21	
K02M01T	KC2013	10	11.15527422	51	57.99	-02	43	47.4	22.4	VuET093H21	
K02M01T	KC2013	10	11.17230522	51	58.69	-02	43	52.0	22.5	VuET093H21	
K02M03S	KC2013	06	11.16960815	05	14.22	+14	06	32.1	21.5	VuET093H21	
K02M03S	KC2013	06	11.17925315	05	13.32	+14	06	26.3	21.2	VuET093H21	
K02M03S	KC2013	06	11.18815815	05	12.48	+14	06	21.5	21.5	VuET093H21	
K02V94R	C2013	10	10.98857	19	26	04.00	-33	52	27.7	20.1	VuET093807
K02V94R	C2013	10	10.99107	19	26	04.43	-33	52	25.8	20.0	VuET093807
K02V94R	C2013	10	10.99357	19	26	04.86	-33	52	24.4	19.9	VuET093807
K02V94R	C2013	10	10.99607	19	26	05.29	-33	52	22.9	20.3	VuET093807
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 17.8 VuET093807
 18.0 VuET093807

K13T80B	C2013	10	11.12931	01	54	31.07	-12	36	20.3	17.7	VuET093807
K13T80B	C2013	10	11.13101	01	54	31.00	-12	36	20.1	18.0	VuET093807
K13T80B	KC2013	10	11.24482901	54	25.58	-12	36	19.1		18.0	VuET093H21
K13T80B	KC2013	10	11.26280901	54	24.69	-12	36	16.4		18.3	VuET093H21
K13T80B	KC2013	10	11.31817201	54	21.97	-12	36	07.5		18.1	VuET093H21
K13T80B	KC2013	10	11.32308201	54	21.72	-12	36	06.5		18.1	VuET093H21
01980	C2013	10	11.29226	08	58	43.18	+01	57	04.4	18.3	RrET093Y00
01980	C2013	10	11.29849	08	58	43.82	+01	56	58.5	18.0	RrET093Y00
01980	C2013	10	11.30423	08	58	44.44	+01	56	48.7	17.7	RrET093Y00
03753	C2013	10	11.20211	07	23	13.21	-20	06	19.2	16.0	RrET093Y00
03753	C2013	10	11.20466	07	23	14.08	-20	06	22.7	16.2	RrET093Y00
03753	C2013	10	11.20702	07	23	14.88	-20	06	27.2	16.1	RrET093Y00
06063	C2013	10	11.41181	03	40	12.42	+09	47	57.0	15.7	VqET093703
06063	C2013	10	11.41684	03	40	12.77	+09	47	52.0	15.7	VqET093703
06063	C2013	10	11.42181	03	40	13.12	+09	47	47.4	15.8	VqET093703
06063	C2013	10	11.42684	03	40	13.48	+09	47	42.0	15.7	VqET093703
24445	C2013	10	11.21981	07	13	31.76	+05	21	32.0	15.1	RrET093Y00
24445	C2013	10	11.22170	07	13	32.41	+05	21	21.2	15.2	RrET093Y00
24445	C2013	10	11.22369	07	13	33.12	+05	21	09.7	15.2	RrET093Y00
30825	C2013	10	11.33808	01	55	51.60	+11	26	17.3	19.1	VqET093703
30825	C2013	10	11.34309	01	55	51.25	+11	26	16.2	19.0	VqET093703
30825	C2013	10	11.34818	01	55	50.94	+11	26	12.2	18.5	VqET093703
30825	C2013	10	11.35321	01	55	50.60	+11	26	11.7	19.1	VqET093703
53435	C2013	10	11.31176	07	01	37.26	+20	26	24.4	15.9	RrET093Y00
53435	C2013	10	11.31628	07	01	38.24	+20	26	31.5	15.8	RrET093Y00
53435	C2013	10	11.31961	07	01	38.97	+20	26	36.8	15.9	RrET093Y00
65733	C2013	10	11.19521	23	20	31.79	+04	59	42.7	17.4	VqET093703
65733	C2013	10	11.20020	23	20	30.65	+04	59	38.2	17.5	VqET093703
65733	C2013	10	11.20515	23	20	29.55	+04	59	33.9	17.6	VqET093703
65733	C2013	10	11.21027	23	20	28.42	+04	59	29.0	17.9	VqET093703
85709	C2013	10	11.17260	03	34	51.35	-02	52	51.8	18.7	RrET093Y00
85709	C2013	10	11.18528	03	34	50.65	-02	53	05.9	18.7	RrET093Y00
85709	C2013	10	11.19512	03	34	50.32	-02	53	16.9	18.5	RrET093Y00
90367	C2013	04	11.40758	19	12	20.26	-14	03	31.1	20.4	VuET093807
90367	C2013	04	11.41178	19	12	20.73	-14	03	30.6	20.5	VuET093807
90367	C2013	04	11.41597	19	12	21.20	-14	03	30.4	20.4	VuET093807
90367	C2013	04	11.42018	19	12	21.65	-14	03	30.9	20.4	VuET093807
F2558	C2013	10	11.17543	03	13	18.16	-29	48	10.3	18.4	RrET093Y00
F2558	C2013	10	11.18152	03	13	17.83	-29	48	20.4	18.0	RrET093Y00
F9609	KC2013	06	11.367642219	29	17.70	+20	26	02.6		19.1	VuET093H21
F9609	KC2013	06	11.37120819	29	17.59	+20	26	01.7		19.2	VuET093H21
F9699	C2013	10	10.19520	23	27	17.08	-54	38	20.5	16.4	RrET093Y00
F9699	C2013	10	10.19704	23	27	16.20	-54	38	31.6	16.5	RrET093Y00
F9699	C2013	10	10.19861	23	27	15.49	-54	38	41.3	16.3	RrET093Y00
F9699	C2013	10	10.20751	23	27	11.14	-54	39	35.5	16.9	RrET093Y00
F9699	C2013	10	10.21777	23	27	06.09	-54	40	38.5	16.8	RrET093Y00
F9699	C2013	10	10.22740	23	27	01.50	-54	41	35.6	16.9	RrET093Y00
G2581	C2013	10	11.27924	06	29	18.45	+09	10	25.4	18.4	RrET093Y00
G2581	C2013	10	11.28185	06	29	19.06	+09	10	20.4	18.7	RrET093Y00
G2581	C2013	10	11.28440	06	29	19.72	+09	10	14.1	18.6	RrET093Y00
G9352	C2013	10	10.21107	00	51	10.35	-42	41	45.1	18.5	RrET093Y00
G9352	C2013	10	10.21469	00	51	09.36	-42	41	38.6	17.9	RrET093Y00
G9352	C2013	10	10.21956	00	51	08.00	-42	41	32.1	18.6	RrET093Y00
I9263	C2013	10	11.28711	08	49	10.34	+02	34	37.7	18.3	RrET093Y00
I9263	C2013	10	11.29140	08	49	11.07	+02	34	31.5	18.0	RrET093Y00
I9263	C2013	10	11.29665	08	49	12.04	+02	34	26.4	18.1	RrET093Y00
J4126	C2013	10	10.28066	01	21	44.91	-17	44	59.7	18.6	RrET093Y00
J4126	C2013	10	10.28507	01	21	44.12	-17	44	55.3	17.5	RrET093Y00
J4126	C2013	10	10.29029	01	21	43.22	-17	44	51.6	17.8	RrET093Y00
Z0988	C2013	10	10.26889	00	48	48.29	-22	13	22.5	16.8	RrET093Y00
Z0988	C2013	10	10.27244	00	48	47.93	-22	13	32.4	16.9	RrET093Y00
Z0988	C2013	10	10.27614	00	48	47.56	-22	13	42.7	16.9	RrET093Y00
Z1278	C2013	10	10.29854	02	00	12.73	-13	06	06.2	18.1	RrET093Y00
Z1278	C2013	10	10.30205	02	00	11.70	-13	05	59.6	18.6	RrET093Y00
Z1278	C2013	10	10.30504	02	00	10.75	-13	05	53.8	17.8	RrET093Y00
Z5256	C2013	10	11.21896	23	17	43.52	+15	07	31.6	18.4	VqET093703
Z5256	C2013	10	11.22396	23	17	43.48	+15	07	26.0	18.7	VqET093703
Z5256	C2013	10	11.22902	23	17	43.48	+15	07	21.6	18.6	VqET093703
Z5256	C2013	10	11.23406	23	17	43.52	+15	07	16.0	18.4	VqET093703
a8664	C2013	10	10.19955	01	40	01.46	-36	15	07.7	16.0	RrET093Y00
a8664	C2013	10	10.20316	01	40	02.09	-36	15	21.6	15.8	RrET093Y00
b1336	C2013	08	27.37364	02	19	11.64	-03	24	20.3	20.9	VuET093807
b1336	C2013	08	27.38079	02	19	11.84	-03	24	26.8	21.0	VuET093807
b1336	C2013	08	27.38758	02	19	12.04	-03	24	33.4	20.9	VuET093807
b1660	C2013	10	10.28854	01	48	31.06	-22	24	47.2	18.3	RrET093Y00
b1660	C2013	10	10.30029	01	48	29.96	-22	24	46.3	18.0	RrET093Y00
b1660	C2013	10	10.30871	01	48	29.16	-22	24	45.1	17.8	RrET093Y00

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