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Minor Planet Center



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MPEC 2013-A51 : DAILY ORBIT UPDATE (2013 JAN. 10 UT)

The following [Minor Planet Electronic Circular](#) may be linked-to from your own Web pages, but must not otherwise be [redistributed electronically](#).

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[Read MPEC 2013-A50](#)[Read MPEC 2013-A52](#)

M.P.E.C. 2013-A51

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DAILY ORBIT UPDATE (2013 JAN. 10 UT)

Update to [MPEC 2013-A46](#)

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

New identification:

K02CV8C	K13A39P	MPCW
K02T03K	K13A33G	MPCW
K03Sg2M	K13A35E	MPCW
K03W61D	K13A43S	MPCW
K04B76W	K13A43O	MPCW
K04BA7O	K13A48M	MPCW
K05B28D	K13A35D	MPCW
K05G77Y	K13A35F	MPCW
K05JD1J	K13A42E	MPCW
K05Q63G	K13A49Y	MPCW
K05SS3G	K13A45U	MPCW
K05TF8S	K13A34W	MPCW
K05Uh5U	K13A46W	MPCW
K05YB0G	K13A40K	MPCW
K05YC5O	K13A33K	MPCW
K06B43B	K13A46C	MPCW
K06BA8O	K13A44W	MPCW
K06BQ4N	K13A47Y	MPCW
K06BS2T	K13A39W	MPCW
K06DD6N	K13A38U	MPCW
K06G20K	K13A45K	MPCW
K06Sb5V	K13A33Z	MPCW
K06U94P	K13A34F	MPCW
K06WG3W	K13A37B	MPCW
K07UD6W	K13A37G	MPCW
K07VE5V	K13A47R	MPCW
K07Y29K	K13A36Y	MPCW
K08AA1T	K13A39E	MPCW
K08CB5V	J98K11R	MPCW
K08CC6D	K13A41J	MPCW
	K13A44P	

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K08D13U	K13A36R		MPCW
K08D87P	K13A39S		MPCW
K08H18Q	K13A38F		MPCW
K08SN2E	K13A39J		MPCW
K08V38A	K13A35L		MPCW
K08X43L	K13A49D		MPCW
K08X43N	K13A38M		MPCW
K09C18C	K13A33Y		MPCW
K09DC7C	K13A45G		MPCW
K09DD0J	K13A38T		MPCW
K09J06F	K13A49P		MPCW
K09SP3U	K13A45W		MPCW
K10B05L	K13A40Y		MPCW
K10C36K	K00E73B	K13A32G	MPCW
K10E12G	K13A48Z		MPCW
K10GB4Y	K13A41U		MPCW
K10L60Z	K13A36D		MPCW
K10U79T	K13A37T		MPCW
K11Q33O	K13A49C		MPCW
K11S66S	K13A40C		MPCW
K11S71C	K13A41T		MPCW
K11S87P	K13A44X		MPCW
K11SD2S	K13A43A		MPCW
K11SE7Z	K13A43M		MPCW
K11SF4Y	K13A32L		MPCW
K11SM5U	K13A50B		MPCW
K11SP4E	K13A37E		MPCW
K11U64J	K13A45O		MPCW
K11UL2Z	K13A41C		MPCW
K11Uc7C	K13A40Q		MPCW
K11Ue5S	K13A44T		MPCW
K11WB3Q	K13A37V		MPCW

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J95U73R	17.4	0.15	K129U	123.671	257.760	81.749	6.325	0.00511	2.53381	7	X
J96T34Z	16.6	0.15	K129U	71.311	75.967	291.979	5.203	0.14633	2.43382	4	X
J96X03Y	16.2	0.15	K129U	347.725	1.651	47.622	2.922	0.23515	3.06447	4	X
J97S06C	16.4	0.15	K129U	174.013	286.309	357.225	12.766	0.18802	2.72084	5	X
J98F48G	16.2	0.15	K129U	284.561	182.604	352.138	13.028	0.16171	2.45735	4	X
J98T03B	15.8	0.15	K129U	30.304	102.303	255.969	23.602	0.18495	2.75782	4	X
J98W35X	15.6	0.15	K129U	62.825	323.863	50.192	12.570	0.23266	2.70687	4	X
J99RA8O	16.2	0.15	K129U	347.196	151.801	257.151	5.582	0.32454	2.63443	3	X
J99TV4Q	18.5	0.15	K129U	89.454	338.456	353.795	3.325	0.12859	2.14365	4	X
J99VE5B	17.1	0.15	K129U	33.677	98.582	304.171	2.952	0.28093	2.59102	5	X
J99VK7E	18.2	0.15	K129U	34.548	232.705	157.677	1.485	0.26923	2.60758	5	X
J99W05U	15.6	0.15	K129U	244.493	210.714	31.041	16.752	0.16744	3.13123	5	X
J99X08X	15.8	0.15	K129U	13.406	339.412	72.414	34.989	0.22354	2.62124	4	X
J99XG3R	17.1	0.15	K129U	57.642	92.933	287.876	9.958	0.20095	2.63728	6	X
K00AL6U	16.7	0.15	K129U	8.936	161.581	258.530	12.025	0.23005	2.62447	3	X
K00AL8B	16.1	0.15	K129U	320.814	31.753	104.641	16.693	0.11999	2.64659	4	X
K00AO7P	17.0	0.15	K129U	333.438	147.288	321.570	16.347	0.07989	1.88676	5	X
K00B34C	17.3	0.15	K129U	17.820	73.070	324.370	5.249	0.27615	2.69570	5	X
K00C55A	16.2	0.15	K129U	348.070	334.185	127.330	9.142	0.23140	2.66275	5	X
K00CE0Y	17.8	0.15	K129U	239.335	267.254	308.282	4.539	0.05371	2.19637	5	X
K00D34Y	16.3	0.15	K129U	290.587	202.492	340.760	11.570	0.19536	2.68844	6	X
K00D88U	16.7	0.15	K129U	356.936	112.319	342.055	25.163	0.11129	2.70528	4	X
K00D97H	16.3	0.15	K129U	292.410	238.492	327.253	11.700	0.12921	2.64119	6	X
K00F03C	16.7	0.15	K129U	218.036	94.868	126.906	24.527	0.04865	1.91825	5	X
K00F14Z	15.6	0.15	K129U	304.165	120.902	33.069	33.621	0.19994	2.72870	5	X
K00L33C	16.2	0.15	K129U	297.592	119.750	85.366	14.826	0.13412	2.69286	7	X
K00R60Z	17.5	0.15	K129U	31.350	98.996	249.099	3.516	0.27312	2.48193	4	X
K00SJ2D	17.3	0.15	K129U	12.111	122.720	316.981	1.026	0.16339	2.41941	6	X
K00SS6D	16.9	0.15	K129U	49.432	154.183	221.486	10.981	0.13444	2.43801	5	X
K00SV0N	15.7	0.15	K129U	62.875	64.404	292.649	15.032	0.25556	3.15242	5	X
K00T61D	16.2	0.15	K129U	51.989	262.147	124.612	9.981	0.23819	2.43270	6	X
K00W24K	18.1	0.15	K129U	12.555	122.627	300.565	1.572	0.23542	2.47518	4	X
K01F88W	16.8	0.15	K129U	69.742	245.058	140.325	9.733	0.03092	2.65497	7	X
K01H18E	15.6	0.15	K129U	248.913	114.824	100.315	29.047	0.18579	2.62225	4	X
K01P42Z	17.0	0.15	K129U	60.200	72.941	311.484	18.531	0.08384	1.89462	7	X
K01P44Y	15.8	0.15	K129U	23.544	160.370	225.044	12.004	0.40091	3.00503	4	X
K01QE3H	16.6	0.15	K129U	44.689	175.954	180.674	2.729	0.13904	2.98380	9	X
K01QM8O	17.4	0.15	K129U	352.271	137.711	256.359	6.361	0.28403	2.35704	3	X
K01QS6R	16.1	0.15	K129U	39.942	92.324	251.076	12.482	0.28165	3.01151	2	X
K01QT5B	16.7	0.15	K129U	0.535	80.545	353.800	11.552	0.21148	2.31593	5	X
K01R16C	17.0	0.15	K129U	344.527	158.807	254.436	18.101	0.09591	1.94118	3	X
K01R50K	17.8	0.15	K129U	28.331	187.330	194.677	11.284	0.22505	2.31572	5	X

K01S11K	17.7	0.15	K129U	29.689	92.057	324.374	7.400	0.23277	2.28659	4	X
K01S17A	17.3	0.15	K129U	52.361	9.111	11.131	6.965	0.13970	2.28788	4	X
K01SI7K	17.9	0.15	K129U	60.100	22.001	349.447	0.069	0.21489	2.27624	5	X
K01SJ8N	17.3	0.15	K129U	342.252	286.651	166.503	7.017	0.20239	2.30431	6	X
K01SP6F	15.5	0.15	K129U	28.746	295.221	75.473	5.486	0.31509	3.06999	4	X
K01T59Z	16.4	0.15	K129U	33.805	20.384	13.264	3.863	0.26099	3.00062	6	X
K01T60B	17.4	0.15	K129U	56.322	296.161	84.955	1.047	0.20539	2.29571	5	X
K01T61S	17.6	0.15	K129U	24.592	346.254	42.294	10.027	0.30491	2.33749	2	X
K01TA1X	17.5	0.15	K129U	76.519	12.936	352.000	2.542	0.24009	2.28121	5	X
K01TK8S	16.3	0.15	K129U	26.566	14.947	29.551	5.920	0.14653	3.01108	6	X
K01TN7X	17.5	0.15	K129U	73.438	228.716	133.714	3.683	0.20183	2.29029	5	X
K01TO1S	17.1	0.15	K129U	40.985	176.360	219.658	2.240	0.24955	2.99113	5	X
K01U07M	17.8	0.15	K129U	23.916	144.408	266.795	5.855	0.19243	2.30195	4	X
K01U11F	16.8	0.15	K129U	13.979	183.922	225.479	10.435	0.21177	2.35453	6	X
K01U76V	17.7	0.15	K129U	45.712	326.373	54.367	3.619	0.18872	2.31784	5	X
K01U78N	16.8	0.15	K129U	62.657	276.835	98.188	5.325	0.24865	2.29667	5	X
K01U94F	17.9	0.15	K129U	10.212	293.368	89.325	7.598	0.34494	2.36395	2	X
K01UA0B	16.0	0.15	K129U	358.770	224.723	217.101	12.152	0.31342	3.06803	6	X
K01UF1G	17.2	0.15	K129U	36.891	231.423	159.179	2.627	0.21479	2.33073	4	X
K01UH6Q	17.0	0.15	K129U	48.250	247.412	158.644	2.089	0.11854	2.94234	6	X
K01V56C	17.5	0.15	K129U	55.823	84.212	284.145	4.095	0.28361	2.31277	4	X
K01V96H	16.4	0.15	K129U	18.134	212.753	183.041	12.093	0.31289	3.08117	3	X
K01VA9B	17.2	0.15	K129U	36.634	341.380	47.200	9.965	0.14451	2.34025	4	X
K01VD3T	16.9	0.15	K129U	3.533	262.740	168.118	10.994	0.17952	3.03436	6	X
K01W10Y	17.5	0.15	K129U	4.111	322.497	118.651	3.222	0.18617	2.32674	6	X
K01W36M	17.5	0.15	K129U	62.530	285.812	71.837	6.614	0.19016	2.32140	4	X
K01W54B	17.1	0.15	K129U	22.323	78.341	277.907	2.146	0.20388	2.38058	2	X
K01W64Z	16.4	0.15	K129U	38.368	173.025	216.003	12.233	0.15976	3.00661	5	X
K01X04K	17.1	0.15	K129U	142.345	252.362	73.170	24.369	0.05643	1.90290	4	X
K01X04L	17.0	0.15	K129U	10.674	10.750	78.215	25.802	0.21953	2.32093	3	X
K01XA5E	15.6	0.15	K129U	1.837	128.817	259.737	15.384	0.39319	3.10898	3	X
K01XA5O	17.5	0.15	K129U	251.597	108.074	76.517	23.710	0.05992	1.94600	4	X
K01XB7L	15.7	0.15	K129U	17.002	353.756	83.713	12.846	0.21097	3.09043	4	X
K01XD4E	17.7	0.15	K129U	356.249	314.274	88.316	5.598	0.26349	2.38334	3	X
K01XI6M	16.8	0.15	K129U	36.700	102.257	275.499	3.579	0.22799	2.37313	5	X
K01XM8K	17.5	0.15	K129U	57.135	43.957	327.187	1.711	0.21895	2.32908	4	X
K01XP6V	16.2	0.15	K129U	19.531	232.972	172.963	7.579	0.30300	3.04500	4	X
K01Y01F	19.2	0.15	K129U	264.501	289.857	279.497	20.016	0.33944	1.48640	4	X
K01Y02M	19.5	0.15	K129U	353.249	292.616	93.369	4.648	0.57427	2.37524	2	X
K01Y03T	21.2	0.15	K129U	334.621	171.013	310.689	2.768	0.46515	2.37124	3	X
K01Y35T	15.8	0.15	K129U	34.230	334.490	67.543	16.574	0.07858	3.07581	5	X
K01YC6P	17.2	0.15	K129U	8.525	126.000	318.495	4.839	0.20416	2.33810	5	X
K01YG0C	17.0	0.15	K129U	93.327	20.088	321.937	18.085	0.06355	1.95595	5	X
K02A01Y	20.8	0.15	K129U	108.073	323.863	287.884	29.888	0.43777	0.77869	2	X
K02A28R	15.7	0.15	K129U	354.609	23.231	107.743	15.065	0.24045	3.07738	4	X
K02A43F	17.8	0.15	K129U	326.904	10.822	140.661	3.230	0.17071	2.34271	6	X
K02A51K	16.8	0.15	K129U	300.844	51.121	134.169	3.384	0.09609	2.34267	7	X
K02A73E	17.3	0.15	K129U	16.058	20.031	21.686	2.542	0.20983	2.37828	4	X
K02AF3J	14.9	0.15	K129U	35.089	65.186	324.812	24.773	0.44980	3.11719	5	X
K02AH1W	15.9	0.15	K129U	2.133	154.001	328.264	7.565	0.10567	3.04899	6	X
K02B25O	16.0	0.15	K129U	342.845	212.176	309.078	14.294	0.29400	3.08527	4	X
K02C06U	17.2	0.15	K129U	335.044	35.219	78.298	23.217	0.09860	1.95248	4	X
K02C11A	15.9	0.15	K129U	258.012	126.853	100.041	23.699	0.25366	2.42814	4	X
K02C11M	17.5	0.15	K129U	316.314	323.976	177.717	3.482	0.15794	2.39556	6	X
K02C25S	17.2	0.15	K129U	35.314	51.548	332.703	18.729	0.09884	1.97737	4	X
K02C47X	16.4	0.15	K129U	263.268	80.867	127.729	5.954	0.14160	2.38099	6	X
K02C63M	15.2	0.15	K129U	254.149	108.501	115.137	17.047	0.02722	3.12939	6	X
K02C71Z	16.6	0.15	K129U	27.295	95.229	329.230	10.845	0.26192	2.35333	4	X
K02CB5Y	15.1	0.15	K129U	320.976	77.815	90.373	26.501	0.23438	3.15057	5	X
K02CC2L	17.1	0.15	K129U	340.691	178.670	295.988	2.972	0.16400	2.38005	6	X
K02CD4E	16.9	0.15	K129U	35.301	87.678	332.723	6.081	0.09160	2.39999	4	X
K02CF2J	15.9	0.15	K129U	307.731	49.984	146.936	12.682	0.17379	3.10712	6	X
K02CK8L	17.2	0.15	K129U	259.331	226.821	334.102	4.758	0.11283	2.41507	6	X
K02CN0D	16.5	0.15	K129U	336.777	339.651	150.792	1.641	0.12616	3.17194	5	X
K02CP4J	17.5	0.15	K129U	330.316	354.056	147.611	2.568	0.13810	2.36470	5	X
K02CQ0M	18.1	0.15	K129U	278.976	214.694	330.273	5.313	0.16572	2.40388	4	X
K02CQ5V	17.0	0.15	K129U	15.044	316.745	119.950	4.711	0.25064	3.10699	5	X
K02CR5V	15.2	0.15	K129U	316.862	256.469	257.272	14.935	0.20221	3.16269	6	X
K02CT5W	18.0	0.15	K129U	277.680	59.944	125.785	1.726	0.11616	2.40863	4	X
K02CT7N	18.0	0.15	K129U	347.449	303.642	165.869	1.326	0.13328	2.36775	6	X
K02CV0C	16.6	0.15	K129U	342.763	307.036	156.819	14.612	0.26553	3.17258	4	X
K02CV8C	13.8	0.15	K129U	34.818	305.680	135.454	7.381	0.03574	5.06691	6	W
K02D03U	20.7	0.15	K129U	164.476	245.510	0.745	8.701	0.23821	1.14547	4	X
K02E61G	15.6	0.15	K129U	343.743	149.520	337.314	11.132	0.15642	3.17499	5	X
K02E99A	17.6	0.15	K129U	317.499	207.871	294.633	2.416	0.20719	2.41296	7	X
K02EC2D	18.0	0.15	K129U	359.590	230.012	217.202	1.290	0.13095	2.41951	6	X
K02EG3H	15.5	0.15	K129U	308.273	178.851	321.447	15.523	0.02311	3.25565	6	X

K02F07K	16.1	0.15	K129U	328.740	132.707	1.054	27.366	0.20971	3.20397	4 X
K02F41B	15.0	0.15	K129U	298.033	142.618	79.003	18.259	0.17945	3.14566	6 X
K02G51W	17.4	0.15	K129U	273.695	201.240	18.474	1.244	0.13530	2.40739	6 X
K02G53E	15.5	0.15	K129U	355.974	164.241	333.834	12.090	0.10116	3.15734	5 X
K02G56U	14.8	0.15	K129U	317.948	135.339	83.314	18.463	0.19527	3.12975	7 X
K02G66Z	16.7	0.15	K129U	305.208	140.425	19.047	6.766	0.08922	2.44407	5 X
K02G76B	17.3	0.15	K129U	270.776	235.205	355.264	3.609	0.17560	2.41024	7 X
K02GH9F	17.3	0.15	K129U	232.366	154.067	64.349	4.990	0.12036	2.43929	6 X
K02H00Y	14.9	0.15	K129U	258.909	249.568	357.738	25.153	0.35306	3.17379	4 X
K02H17O	16.0	0.15	K129U	277.105	130.531	69.040	23.626	0.10680	2.43395	3 X
K02Jc8H	16.4	0.15	K129U	244.397	189.810	58.685	26.368	0.07083	2.43243	3 X
K02L43Z	15.4	0.15	K129U	56.787	105.058	254.019	13.626	0.32351	2.75585	4 X
K02L63C	15.8	0.15	K129U	104.443	44.916	307.996	11.763	0.16468	2.61439	4 X
K02N58S	15.8	0.15	K129U	346.279	348.514	129.583	26.686	0.03502	2.58821	4 X
K02N74M	16.6	0.15	K129U	113.953	212.279	150.349	22.054	0.08702	2.59806	4 X
K02O27R	17.0	0.15	K129U	188.258	166.688	123.299	4.968	0.17796	2.54715	4 X
K02P09R	16.7	0.15	K129U	174.093	350.586	296.887	11.127	0.16865	2.59559	5 X
K02PB2L	16.6	0.15	K129U	138.515	190.167	136.102	13.969	0.16999	2.62106	5 X
K02PD1U	16.4	0.15	K129U	97.004	45.882	309.154	13.419	0.14484	2.65003	4 X
K02Q17H	16.5	0.15	K129U	75.311	216.841	146.129	14.456	0.20621	2.71258	4 X
K02Q56K	16.9	0.15	K129U	103.041	221.563	128.264	5.452	0.09788	2.66524	5 X
K02Q93F	16.9	0.15	K129U	73.036	259.738	120.370	6.970	0.05739	2.67208	5 X
K02QE1D	16.4	0.15	K129U	168.045	173.707	129.104	15.551	0.09720	2.62719	5 X
K02R07B	15.9	0.15	K129U	133.666	15.574	330.806	11.566	0.19345	2.60186	7 X
K02R70H	16.2	0.15	K129U	48.312	172.410	196.385	9.422	0.30273	2.77258	5 X
K02RD9C	17.7	0.15	K129U	63.172	293.924	62.971	7.352	0.23210	2.15348	5 X
K02RH6K	16.6	0.15	K129U	41.595	191.838	187.508	10.135	0.22643	2.77994	4 X
K02RK7K	18.4	0.15	K129U	46.615	65.829	328.869	2.757	0.14256	2.13901	5 X
K02RQ1X	17.0	0.15	K129U	74.607	68.056	337.783	13.534	0.05122	2.64367	4 X
K02RS1A	15.6	0.15	K129U	180.450	348.101	303.956	12.276	0.14366	2.60950	5 X
K02RT2V	16.8	0.15	K129U	53.128	262.174	131.410	14.965	0.16631	2.71320	6 X
K02TA3F	17.8	0.15	K129U	36.836	102.671	300.592	2.659	0.15352	2.15376	4 X
K02TL8W	16.2	0.15	K129U	37.554	101.420	302.180	6.586	0.23448	2.77321	4 X
K02TO3K	16.9	0.15	K129U	8.916	65.213	27.773	5.722	0.06601	2.74253	6 W
K02TU9W	16.2	0.15	K129U	42.998	290.560	52.905	13.547	0.09606	2.88603	3 X
K02Ta5M	17.1	0.15	K129U	348.760	0.618	80.171	5.011	0.07724	2.80816	7 X
K02U09L	15.4	0.15	K129U	1.446	104.021	288.305	15.237	0.26799	2.93068	3 X
K02U77Z	16.7	0.15	K129U	58.347	159.588	231.902	2.562	0.12914	2.78508	6 X
K02V61D	17.9	0.15	K129U	54.493	2.321	1.588	2.110	0.21380	2.17734	6 X
K02VE3F	16.5	0.15	K129U	98.097	237.374	114.018	5.361	0.08302	2.78055	8 X
K03A20G	15.9	0.15	K129U	352.350	151.992	300.871	10.692	0.13428	2.90274	4 X
K03B07C	17.1	0.15	K129U	35.379	288.820	126.633	5.068	0.21621	2.20148	6 X
K03B77O	16.2	0.15	K129U	357.102	311.483	139.009	21.342	0.13456	2.96917	5 X
K03E04B	17.9	0.15	K129U	215.261	256.660	335.376	20.411	0.06806	1.86148	5 X
K03E06X	18.2	0.15	K129U	319.488	134.112	339.328	19.140	0.11267	1.85947	4 X
K03E31N	17.1	0.15	K129U	266.700	268.289	302.811	6.581	0.33567	2.25883	5 X
K03F46C	17.6	0.15	K129U	272.690	160.891	32.077	4.517	0.07668	2.27770	6 X
K03F71A	16.1	0.15	K129U	268.118	159.086	33.856	9.546	0.03586	3.08240	5 X
K03G42T	16.2	0.15	K129U	301.849	61.042	135.372	11.147	0.34344	2.98227	4 X
K03H02B	15.9	0.15	K129U	241.522	147.835	79.535	14.401	0.21680	3.13339	4 X
K03H34R	15.8	0.15	K129U	191.422	67.583	203.428	12.003	0.15975	3.19748	5 X
K03H42M	17.0	0.15	K129U	226.064	131.796	111.477	4.790	0.17934	2.32046	5 X
K03K04H	17.6	0.15	K129U	291.700	71.025	69.492	23.953	0.04324	1.90804	5 X
K03O21J	16.2	0.15	K129U	26.572	93.024	303.919	27.694	0.33509	2.59093	2 X
K03Q34X	16.0	0.15	K129U	51.032	32.024	338.022	11.358	0.17149	2.57059	5 X
K03Q55R	16.9	0.15	K129U	65.292	354.764	355.733	9.886	0.21224	2.57750	7 X
K03R25N	17.3	0.15	K129U	139.667	0.955	317.147	16.505	0.08943	1.95511	4 X
K03S10K	17.2	0.15	K129U	11.007	83.276	332.743	2.003	0.20867	2.62261	6 X
K03S40F	16.3	0.15	K129U	33.269	114.482	290.615	11.712	0.20907	2.59840	4 X
K03S53F	17.3	0.15	K129U	12.555	103.958	300.380	6.616	0.33883	2.66234	4 X
K03S57S	16.7	0.15	K129U	15.696	20.188	11.317	8.197	0.33885	2.66545	2 X
K03S61F	17.1	0.15	K129U	27.064	358.621	23.442	5.177	0.29533	2.62859	3 X
K03S77X	16.9	0.15	K129U	25.874	148.088	261.656	4.690	0.20602	2.58751	5 X
K03SB1G	16.8	0.15	K129U	11.883	117.292	300.167	10.679	0.29198	2.64355	5 X
K03SD3B	17.4	0.15	K129U	6.889	37.219	17.847	7.491	0.24869	2.65361	3 X
K03SH0C	16.6	0.15	K129U	7.492	77.212	344.179	11.971	0.11666	2.55585	5 X
K03SJ9X	16.7	0.15	K129U	46.159	8.295	5.202	7.325	0.29311	2.63247	3 X
K03SO8G	17.0	0.15	K129U	41.974	40.108	357.331	3.946	0.27323	2.59097	5 X
K03SR8P	16.2	0.15	K129U	194.065	269.700	357.999	14.477	0.07422	2.52606	4 X
K03SV0W	15.4	0.15	K129U	24.269	232.226	179.015	10.198	0.24105	3.95896	4 X
K03SW6C	17.8	0.15	K129U	244.937	268.708	350.207	2.183	0.18393	2.37831	6 X
K03SX5K	17.2	0.15	K129U	26.483	272.544	97.800	4.537	0.21804	2.66662	3 X
K03Sc0A	17.5	0.15	K129U	292.589	71.081	127.652	2.055	0.12961	2.44174	6 X
K03Se7K	17.5	0.15	K129U	333.567	36.160	72.500	15.402	0.16729	2.64130	3 X
K03Sg2M	17.6	0.15	K129U	354.826	26.321	61.489	14.832	0.22877	2.63742	3 W
K03T26G	17.8	0.15	K129U	61.901	21.047	337.946	5.169	0.16385	2.59929	5 X
K03T57J	16.9	0.15	K129U	37.884	125.613	285.384	10.785	0.11801	2.57161	5 X

K03U08Y	17.5	0.15	K129U	67.703	67.010	326.912	17.792	0.09181	1.98300	4	X
K03U77E	17.2	0.15	K129U	19.248	136.318	277.149	5.547	0.29204	2.63527	4	X
K03U83C	16.8	0.15	K129U	48.815	265.647	132.617	4.848	0.22954	2.59649	6	X
K03U86R	16.5	0.15	K129U	36.998	337.216	69.646	12.870	0.14117	2.61042	6	X
K03UC5F	16.7	0.15	K129U	351.162	307.966	114.351	3.661	0.20589	2.67779	3	X
K03UC7D	16.9	0.15	K129U	2.936	216.690	210.061	11.397	0.20517	2.65355	3	X
K03UF4F	17.3	0.15	K129U	11.377	187.268	232.178	10.656	0.12305	2.58655	5	X
K03UR9Q	16.6	0.15	K129U	6.237	17.998	47.539	19.663	0.24538	2.63478	3	X
K03UV7T	17.9	0.15	K129U	23.895	116.998	288.032	3.815	0.25677	2.59748	4	X
K03V03C	15.5	0.15	K129U	29.166	96.105	264.198	26.854	0.46677	2.73421	3	X
K03W30Q	17.4	0.15	K129U	14.333	153.603	273.481	4.971	0.19073	2.64520	6	X
K03W61D	17.5	0.15	K129U	10.711	17.988	62.376	4.990	0.17028	2.63610	4	W
K03W66R	16.3	0.15	K129U	354.251	165.741	250.057	8.907	0.19809	2.72114	3	X
K03WA1O	17.1	0.15	K129U	11.963	241.651	172.609	11.359	0.27405	2.66395	4	X
K03WA8A	16.6	0.15	K129U	356.549	154.671	255.530	7.238	0.20854	2.68525	3	X
K03WB2L	17.5	0.15	K129U	31.528	123.028	283.334	3.578	0.27092	2.63763	4	X
K03WB2Y	16.2	0.15	K129U	344.524	172.445	256.497	13.214	0.17210	2.72287	5	X
K03WJ2U	17.4	0.15	K129U	41.913	255.056	150.836	3.523	0.29047	2.61682	4	X
K03Y35U	15.9	0.15	K129U	32.307	115.718	268.021	7.376	0.37592	2.67744	3	X
K03Y36W	16.4	0.15	K129U	318.077	15.317	91.315	10.253	0.13110	2.79477	7	X
K03Y88S	17.0	0.15	K129U	17.002	310.622	135.281	5.287	0.20815	2.65989	5	X
K03YC0Y	15.8	0.15	K129U	298.636	219.397	313.148	28.486	0.21261	2.74862	3	X
K03YE7J	16.5	0.15	K129U	13.666	23.588	21.650	10.265	0.25252	2.70804	3	X
K03YG9L	16.3	0.15	K129U	22.010	335.647	74.370	15.826	0.09589	2.70504	5	X
K04B30H	16.6	0.15	K129U	9.754	106.308	326.601	13.523	0.25898	2.73444	4	X
K04B64O	16.2	0.15	K129U	119.760	30.894	309.834	10.388	0.08553	2.69864	5	X
K04B76W	17.1	0.15	K129U	334.550	131.034	359.770	3.892	0.30040	2.72683	4	W
K04BA7O	17.0	0.15	K129U	325.070	113.080	13.573	7.443	0.22297	2.76720	3	W
K04BB5P	16.6	0.15	K129U	331.674	7.196	122.582	8.968	0.17210	2.74097	6	X
K04C01E	15.6	0.15	K129U	296.366	72.726	89.962	25.153	0.11503	2.78477	4	X
K04C20R	17.6	0.15	K129U	359.346	117.084	320.431	17.012	0.28132	2.73744	2	X
K04C28V	17.5	0.15	K129U	56.498	62.441	334.538	4.020	0.16558	2.69871	5	X
K04C56M	16.3	0.15	K129U	260.419	75.310	141.241	10.032	0.14470	2.78046	5	X
K04C57H	16.2	0.15	K129U	344.403	116.480	358.928	12.954	0.13587	2.74053	4	X
K04C67E	15.8	0.15	K129U	324.220	53.117	105.967	15.948	0.22038	2.74330	4	X
K04C67F	15.2	0.15	K129U	299.912	89.932	129.590	24.205	0.24275	2.71018	4	X
K04D04T	16.5	0.15	K129U	281.936	64.957	126.342	5.870	0.09188	2.75819	3	X
K04D52D	15.8	0.15	K129U	274.162	120.896	77.000	13.423	0.09759	2.78345	5	X
K04D56D	17.1	0.15	K129U	353.183	139.054	319.213	8.396	0.03383	2.79559	4	X
K04E00S	16.4	0.15	K129U	340.867	118.627	22.977	13.464	0.26126	2.73511	4	X
K04E69Q	16.6	0.15	K129U	336.128	278.036	195.956	8.951	0.25223	2.80601	6	X
K04F38K	16.5	0.15	K129U	316.086	184.380	338.736	7.726	0.23138	2.78505	3	X
K04FB6L	16.8	0.15	K129U	306.202	99.863	75.027	8.576	0.21060	2.79654	5	X
K04H31R	15.7	0.15	K129U	141.973	190.009	80.488	8.572	0.07016	3.10675	3	X
K04J40D	12.7	0.15	K129U	315.248	83.888	80.692	24.537	0.00673	5.26619	5	X
K04L07Z	16.1	0.15	K129U	233.398	141.913	106.459	24.311	0.22274	2.17452	5	X
K04N29H	15.7	0.15	K129U	173.988	179.949	148.003	18.035	0.16978	3.08101	6	X
K04P81P	17.6	0.15	K129U	95.526	331.268	350.650	4.594	0.21555	2.35286	4	X
K04Q12L	16.8	0.15	K129U	117.507	302.012	12.687	12.895	0.29301	2.31827	4	X
K04R58T	16.8	0.15	K129U	71.836	243.837	110.948	3.625	0.24399	2.37529	7	X
K04R97T	17.0	0.15	K129U	44.489	101.212	287.941	3.209	0.19744	2.37056	6	X
K04RA4V	17.5	0.15	K129U	60.374	75.069	320.449	5.086	0.16702	2.34472	4	X
K04RB5B	17.0	0.15	K129U	29.554	7.653	25.056	6.702	0.26322	2.40728	4	X
K04RJ6B	15.1	0.15	K129U	197.444	326.107	338.784	11.803	0.10382	3.19694	5	X
K04RL0G	16.2	0.15	K129U	121.097	347.626	326.858	24.168	0.19692	2.32808	3	X
K04RQ1Y	18.3	0.15	K129U	36.336	60.628	352.675	1.558	0.17786	2.35576	5	X
K04S20J	17.3	0.15	K129U	30.891	68.826	343.966	1.932	0.18923	2.40298	5	X
K04S38X	17.1	0.15	K129U	62.921	44.817	317.213	1.307	0.24201	2.39832	7	X
K04T00E	17.7	0.15	K129U	48.471	352.284	25.738	2.988	0.19555	2.40227	5	X
K04T13E	16.3	0.15	K129U	95.328	270.458	58.121	12.793	0.29434	2.36886	6	X
K04T23U	17.5	0.15	K129U	26.484	148.845	266.602	1.883	0.16497	2.38887	5	X
K04T70K	17.4	0.15	K129U	7.085	276.528	157.760	2.401	0.36598	2.42061	4	X
K04TB6A	17.3	0.15	K129U	79.475	239.367	121.402	4.587	0.25489	2.35371	5	X
K04TI1J	16.0	0.15	K129U	197.513	231.530	64.529	2.691	0.13408	3.20084	7	X
K04TN5H	17.6	0.15	K129U	67.452	344.533	23.401	18.390	0.10244	1.86804	3	X
K04TR4Z	15.2	0.15	K129U	11.139	170.852	230.181	7.394	0.20634	3.94181	3	X
K04TY2Q	17.4	0.15	K129U	1.466	38.489	40.390	13.425	0.17189	2.44418	6	X
K04TY3M	16.9	0.15	K129U	27.360	321.403	59.444	3.419	0.18068	2.45803	5	X
K04U04D	16.0	0.15	K129U	341.951	133.203	354.764	23.176	0.25213	2.40577	4	X
K04U04X	16.9	0.15	K129U	1.639	137.735	261.451	19.456	0.06105	1.91402	3	X
K04U08C	17.5	0.15	K129U	32.442	77.567	335.371	2.017	0.21992	2.41710	5	X
K04V18W	17.7	0.15	K129U	43.770	123.077	273.897	1.692	0.17400	2.41012	5	X
K04V31Y	17.2	0.15	K129U	148.059	216.259	77.935	4.491	0.04985	2.41970	4	X
K04V33O	17.0	0.15	K129U	320.568	349.261	136.721	3.039	0.09290	2.44047	5	X
K04V46N	17.7	0.15	K129U	341.397	4.843	104.323	3.573	0.17889	2.45213	5	X
K04V55L	18.3	0.15	K129U	337.426	197.627	248.747	24.632	0.44123	2.50828	3	X
K04X12H	17.1	0.15	K129U	28.714	332.923	72.888	4.898	0.21308	2.46123	6	X

K04X14N	19.7	0.15	K129U	120.646	115.678	120.931	10.739	0.26664	0.93158	4 X
K04XA3K	16.3	0.15	K129U	316.286	51.858	73.719	31.188	0.25604	2.54582	4 X
K04XA4W	16.6	0.15	K129U	330.435	83.391	77.430	8.254	0.16298	2.44839	5 X
K04XB9C	16.4	0.15	K129U	355.485	127.579	284.850	7.753	0.15885	2.57158	2 X
K04XD3F	16.4	0.15	K129U	349.867	346.375	55.526	8.800	0.19334	2.56034	3 X
K04XG3R	16.5	0.15	K129U	265.101	96.048	84.055	5.782	0.14913	2.55516	5 X
K05A07A	17.5	0.15	K129U	286.628	210.843	312.210	19.462	0.06288	1.91995	3 X
K05A32D	17.2	0.15	K129U	325.474	12.577	109.966	9.020	0.20328	2.53446	3 X
K05B28D	17.7	0.15	K129U	64.882	251.449	128.981	23.820	0.06708	1.90987	2 X
K05B38Q	17.6	0.15	K129U	237.561	106.989	115.757	4.994	0.05807	2.52860	6 X
K05B49D	17.0	0.15	K129U	0.973	184.074	253.491	12.470	0.13421	2.53454	5 X
K05C13F	17.3	0.15	K129U	297.941	45.284	126.341	13.655	0.16232	2.53922	3 X
K05C19N	17.0	0.15	K129U	297.117	223.042	284.673	2.827	0.19435	2.58348	5 X
K05C41X	17.3	0.15	K129U	292.788	47.658	97.848	4.650	0.20075	2.60527	4 X
K05C47U	16.4	0.15	K129U	324.377	88.445	324.301	12.804	0.21538	2.71094	3 X
K05C68P	17.2	0.15	K129U	280.656	230.643	298.729	3.761	0.20822	2.59541	4 X
K05E20K	17.1	0.15	K129U	341.574	325.330	144.186	6.029	0.20566	2.56020	4 X
K05E24R	17.1	0.15	K129U	308.210	25.684	141.619	7.856	0.18255	2.55836	5 X
K05E41B	16.3	0.15	K129U	317.366	48.443	101.508	15.071	0.13587	2.55782	5 X
K05E66U	16.6	0.15	K129U	31.420	47.236	348.451	12.044	0.19265	2.63910	4 X
K05E67X	16.1	0.15	K129U	243.907	233.061	354.076	12.355	0.18404	2.63395	6 X
K05E84L	16.6	0.15	K129U	5.194	83.747	354.971	8.870	0.22693	2.53111	5 X
K05ED0H	18.0	0.15	K129U	335.116	142.983	325.528	18.104	0.07800	1.92485	3 X
K05EH4O	17.7	0.15	K129U	226.588	337.637	272.818	2.707	0.14554	2.60985	6 X
K05EJ8Q	16.3	0.15	K129U	27.176	53.861	4.908	8.931	0.12525	2.66611	5 X
K05EM5G	16.9	0.15	K129U	301.366	82.147	80.566	27.999	0.40765	2.61129	3 X
K05EO0P	14.9	0.15	K129U	270.748	303.412	280.451	4.099	0.11779	3.97467	6 X
K05EP0O	15.8	0.15	K129U	244.698	117.689	151.643	30.276	0.23162	2.62107	4 X
K05EP0T	16.8	0.15	K129U	239.590	117.232	126.466	5.048	0.25193	2.58839	5 X
K05EP3B	16.7	0.15	K129U	273.782	41.552	157.345	12.332	0.29318	2.63729	5 X
K05ES8T	17.0	0.15	K129U	220.437	70.567	175.419	0.945	0.05696	2.65025	4 X
K05F11N	16.2	0.15	K129U	203.373	150.026	82.565	14.695	0.08557	2.74662	5 X
K05F12P	16.6	0.15	K129U	278.626	151.651	38.822	11.793	0.17973	2.59072	6 X
K05G02B	16.3	0.15	K129U	294.732	97.095	89.160	13.772	0.10906	2.55385	5 X
K05G33Y	17.1	0.15	K129U	272.143	95.097	148.443	9.851	0.28621	2.56915	3 X
K05G49O	16.5	0.15	K129U	243.681	90.863	93.608	10.620	0.11402	2.74850	3 X
K05G77Y	16.5	0.15	K129U	311.604	82.579	69.288	12.627	0.15610	2.61606	4 X
K05GG0D	16.7	0.15	K129U	262.567	140.641	49.212	10.178	0.11017	2.70695	4 X
K05H08H	17.4	0.15	K129U	259.522	137.340	78.859	25.090	0.06325	1.94518	5 X
K05J35R	16.7	0.15	K129U	94.294	244.956	146.840	5.723	0.02540	2.67831	7 X
K05J48R	16.8	0.15	K129U	129.823	215.562	122.962	5.899	0.05020	2.73735	3 X
K05J78L	17.2	0.15	K129U	261.182	15.551	197.154	7.746	0.21718	2.66720	4 X
K05JD1J	17.1	0.15	K129U	310.267	61.321	96.314	10.396	0.02490	2.70937	4 W
K05JE1N	16.9	0.15	K129U	188.784	201.396	80.095	5.633	0.05660	2.72766	7 X
K05JG0O	16.8	0.15	K129U	15.370	17.618	70.257	7.266	0.04852	2.70423	4 X
K05L08U	16.4	0.15	K129U	108.546	276.704	79.254	7.149	0.01927	2.74437	5 X
K05NC2Y	15.4	0.15	K129U	74.655	37.110	319.091	22.667	0.23185	3.16044	4 X
K05Q63G	15.9	0.15	K129U	99.493	343.327	3.357	9.595	0.09124	3.12400	6 W
K05Q64S	16.0	0.15	K129U	123.609	337.021	358.450	6.612	0.21424	3.05085	6 X
K05Q71Y	18.3	0.15	K129U	11.635	183.573	193.471	1.938	0.26819	2.26065	2 X
K05Q95Y	15.7	0.15	K129U	19.407	83.562	344.013	15.974	0.12171	3.15364	4 X
K05QE1M	15.5	0.15	K129U	127.492	73.478	245.465	14.680	0.13558	3.11305	4 X
K05QI2N	18.5	0.15	K129U	77.674	18.315	339.313	3.650	0.08004	2.14639	6 X
K05R22M	17.6	0.15	K129U	33.198	92.303	276.569	4.634	0.19951	2.23464	4 X
K05R33N	19.6	0.15	K129U	8.886	300.091	100.734	7.190	0.25668	1.73379	4 X
K05S20L	17.2	0.15	K129U	31.953	82.150	261.958	7.253	0.16547	2.28179	3 X
K05S54V	16.1	0.15	K129U	25.750	250.279	191.409	2.576	0.08050	3.21368	5 X
K05S65J	17.9	0.15	K129U	61.799	49.395	307.186	5.456	0.15771	2.19732	4 X
K05S99R	15.8	0.15	K129U	149.692	311.643	341.697	6.539	0.12886	3.22071	5 X
K05SD7G	18.3	0.15	K129U	319.014	324.973	167.274	3.434	0.06528	2.16151	6 X
K05SE1J	15.5	0.15	K129U	100.514	341.622	19.177	21.282	0.06524	3.15609	5 X
K05SH0Z	16.4	0.15	K129U	34.118	83.719	354.801	9.691	0.09734	3.14999	5 X
K05SP4J	18.1	0.15	K129U	50.979	358.587	8.738	7.380	0.19906	2.18602	5 X
K05SS3G	16.4	0.15	K129U	214.960	134.389	132.895	10.388	0.07594	3.08570	5 W
K05T06Y	16.9	0.15	K129U	86.396	17.749	309.795	7.773	0.21190	2.19906	6 X
K05T16M	16.7	0.15	K129U	67.762	153.971	229.411	1.411	0.14465	3.20364	6 X
K05T72N	17.1	0.15	K129U	53.936	306.471	67.377	7.440	0.17293	2.20442	6 X
K05T73X	17.6	0.15	K129U	47.398	222.962	155.950	5.089	0.20947	2.21423	4 X
K05T97Y	15.1	0.15	K129U	241.448	213.235	25.564	17.651	0.16829	3.11426	6 X
K05TD4K	15.8	0.15	K129U	97.067	50.566	337.461	14.620	0.10642	3.11396	4 X
K05TE4O	17.8	0.15	K129U	8.900	317.889	69.859	4.406	0.16230	2.27123	3 X
K05TE8N	15.4	0.15	K129U	301.001	127.360	35.146	16.649	0.13607	3.24665	6 X
K05TF8S	18.8	0.15	K129U	42.267	20.581	349.005	2.754	0.19761	2.22492	5 W
K05U55S	17.5	0.15	K129U	17.185	330.508	62.297	3.281	0.15617	2.27082	2 X
K05UA0W	17.8	0.15	K129U	238.055	138.562	69.959	8.817	0.11312	2.20879	5 X
K05UL5X	18.0	0.15	K129U	349.623	330.650	79.842	3.660	0.23876	2.29650	3 X
K05UN6F	18.0	0.15	K129U	266.059	74.880	86.934	5.094	0.03305	2.25489	4 X

K05UQ0R	18.0	0.15	K129U	350.726	280.406	180.489	2.271	0.11407	2.21399	5 X
K05US3E	17.7	0.15	K129U	327.143	53.964	52.879	7.973	0.10117	2.23295	4 X
K05UU1T	17.9	0.15	K129U	19.489	278.901	92.786	4.874	0.21921	2.29739	2 X
K05UU8V	17.7	0.15	K129U	49.195	170.191	209.504	4.895	0.18416	2.21717	4 X
K05UW2N	17.1	0.15	K129U	34.118	290.746	85.806	24.526	0.28121	2.30747	3 X
K05UX4T	17.4	0.15	K129U	173.827	190.637	75.663	7.704	0.13907	2.22809	5 X
K05Uh5U	16.3	0.15	K129U	255.056	123.526	72.130	10.751	0.01629	3.42321	3 W
K05Ui2F	17.4	0.15	K129U	328.560	154.789	284.297	5.832	0.19852	2.30237	4 X
K05Um5T	15.4	0.15	K129U	130.064	207.098	152.212	12.541	0.12034	3.08092	6 X
K05Um6H	16.1	0.15	K129U	75.833	79.900	325.552	10.061	0.10300	3.12249	5 X
K05Up1T	17.7	0.15	K129U	357.082	353.039	67.712	5.036	0.13638	2.24896	4 X
K05Up3M	17.9	0.15	K129U	63.887	346.189	358.263	1.858	0.12768	2.24801	6 X
K05Up3R	18.2	0.15	K129U	353.081	243.274	197.521	5.872	0.14783	2.24564	6 X
K05Up4W	15.7	0.15	K129U	0.479	27.668	81.897	12.180	0.07559	3.22726	4 X
K05Up8N	15.7	0.15	K129U	304.572	36.857	124.459	8.280	0.03348	3.22778	6 X
K05VC0Q	14.6	0.15	K129U	141.537	42.146	264.579	26.014	0.15788	3.21199	4 X
K05VC0U	15.9	0.15	K129U	110.798	38.310	325.226	15.862	0.24963	3.14697	5 X
K05W22Q	17.2	0.15	K129U	346.829	159.091	261.239	5.216	0.12611	2.30652	3 X
K05W39Q	17.3	0.15	K129U	57.206	299.751	74.880	5.456	0.12575	2.24433	3 X
K05W54P	16.4	0.15	K129U	298.174	227.627	265.882	22.529	0.31234	2.30752	3 X
K05WD0L	17.9	0.15	K129U	325.626	20.172	69.446	3.061	0.17746	2.30831	3 X
K05WH4A	17.0	0.15	K129U	38.807	257.877	121.334	4.629	0.28604	2.25611	7 X
K05WI1T	18.0	0.15	K129U	5.939	331.489	92.582	4.794	0.17203	2.25748	2 X
K05X85T	17.4	0.15	K129U	1.614	117.652	310.914	5.999	0.10259	2.29872	3 X
K05Y05T	17.6	0.15	K129U	291.011	61.862	81.905	4.093	0.11781	2.30081	7 X
K05Y07W	16.3	0.15	K129U	297.394	218.058	313.909	22.793	0.24982	2.30323	3 X
K05Y23Q	17.9	0.15	K129U	191.541	343.305	285.755	6.415	0.10163	2.27204	5 X
K05Y28O	18.6	0.15	K129U	8.748	67.351	8.934	0.587	0.19112	2.27897	3 X
K05Y34G	17.7	0.15	K129U	335.626	157.672	291.301	5.983	0.11140	2.34330	4 X
K05Y53A	18.0	0.15	K129U	342.880	160.076	306.818	3.379	0.04934	2.29180	5 X
K05Y78M	17.2	0.15	K129U	350.270	10.017	90.751	7.339	0.05817	2.27399	6 X
K05Y91D	18.0	0.15	K129U	328.952	344.475	146.973	2.106	0.12580	2.28742	5 X
K05YB0E	17.7	0.15	K129U	317.281	33.863	125.449	5.620	0.09939	2.24888	6 X
K05YB0G	18.4	0.15	K129U	300.084	319.399	201.370	1.909	0.12030	2.28775	4 W
K05YC5L	18.8	0.15	K129U	330.896	89.286	19.098	1.783	0.17856	2.30761	4 X
K05YC5O	18.4	0.15	K129U	11.104	31.915	10.117	2.684	0.15920	2.33001	4 W
K05YC7G	17.9	0.15	K129U	19.070	104.260	334.902	3.525	0.15359	2.24172	7 X
K05YD1A	18.2	0.15	K129U	318.923	197.145	301.686	4.316	0.08341	2.30309	5 X
K05YG6F	18.1	0.15	K129U	32.496	284.695	140.682	3.565	0.15703	2.25327	5 X
K05YI8U	18.6	0.15	K129U	6.596	126.074	314.703	2.179	0.19921	2.28490	3 X
K05YJ1D	17.9	0.15	K129U	52.470	73.725	323.131	2.449	0.20135	2.26048	5 X
K05YJ3F	17.1	0.15	K129U	194.843	143.224	117.813	7.700	0.08763	2.31672	6 X
K06A09D	17.1	0.15	K129U	324.395	169.357	307.819	23.553	0.21610	2.34276	3 X
K06A23L	17.8	0.15	K129U	36.722	90.191	300.479	4.198	0.21081	2.30046	4 X
K06A58O	18.3	0.15	K129U	15.948	106.701	302.379	4.492	0.17495	2.31004	3 X
K06A74T	16.7	0.15	K129U	316.211	203.996	297.052	23.483	0.17720	2.32344	3 X
K06A92D	18.0	0.15	K129U	353.945	294.547	117.316	2.961	0.18384	2.37933	3 X
K06A95B	18.7	0.15	K129U	331.912	242.819	234.236	0.580	0.15999	2.29619	5 X
K06AA1G	18.1	0.15	K129U	348.382	150.680	312.008	5.232	0.17520	2.30771	3 X
K06AA4Q	17.8	0.15	K129U	20.723	280.566	141.076	6.659	0.10602	2.30052	3 X
K06B20K	17.9	0.15	K129U	1.348	335.027	112.938	2.747	0.10253	2.29447	7 X
K06B32R	17.9	0.15	K129U	305.250	42.655	113.524	3.357	0.14901	2.34263	3 X
K06B43B	17.1	0.15	K129U	276.642	94.416	109.309	6.753	0.18033	2.30354	4 W
K06B46Q	18.2	0.15	K129U	342.335	169.846	316.850	4.368	0.11152	2.30051	5 X
K06B57Q	17.3	0.15	K129U	267.995	71.378	116.589	7.469	0.03853	2.31877	6 X
K06B59A	16.5	0.15	K129U	225.295	81.360	144.671	11.474	0.16981	2.38284	4 X
K06BA8O	18.3	0.15	K129U	305.606	192.218	329.443	5.541	0.09770	2.29945	4 W
K06BB6Z	17.7	0.15	K129U	258.719	273.975	315.117	1.724	0.17970	2.31274	5 X
K06BF5T	17.3	0.15	K129U	313.810	140.276	345.695	5.741	0.08160	2.37894	4 X
K06BG5R	17.5	0.15	K129U	281.986	225.879	334.097	6.298	0.05566	2.29441	5 X
K06BM2Y	18.1	0.15	K129U	266.913	266.912	292.286	0.699	0.12880	2.33319	6 X
K06BP7D	17.7	0.15	K129U	343.648	114.985	346.943	6.376	0.11811	2.34586	5 X
K06BQ1Y	17.8	0.15	K129U	333.245	0.139	131.464	4.661	0.12408	2.31409	7 X
K06BQ4N	17.8	0.15	K129U	342.969	113.893	339.813	9.504	0.10119	2.38248	3 W
K06BR6B	17.7	0.15	K129U	38.289	352.796	29.264	1.971	0.18888	2.35273	5 X
K06BS2T	18.0	0.15	K129U	35.170	243.183	156.769	1.195	0.18169	2.35692	4 W
K06C61L	17.2	0.15	K129U	291.623	175.185	349.034	9.822	0.16320	2.32193	6 X
K06D10C	17.1	0.15	K129U	341.809	352.086	124.933	7.231	0.07763	2.34353	5 X
K06D10L	17.2	0.15	K129U	282.792	70.257	123.186	6.310	0.10543	2.31470	5 X
K06D51O	17.5	0.15	K129U	30.061	268.945	137.217	6.568	0.18141	2.32055	6 X
K06D63F	18.5	0.15	K129U	275.438	226.658	355.855	4.245	0.18329	2.32008	6 X
K06DA6A	18.0	0.15	K129U	17.737	49.872	356.154	8.486	0.25498	2.39197	3 X
K06DB6L	17.2	0.15	K129U	343.832	86.824	24.832	5.021	0.13352	2.37154	4 X
K06DC0S	17.0	0.15	K129U	288.275	138.525	49.428	5.724	0.20782	2.30597	6 X
K06DD2R	17.8	0.15	K129U	289.129	91.574	73.755	3.301	0.14109	2.36997	4 X
K06DD6N	18.2	0.15	K129U	225.149	107.799	127.582	5.031	0.08148	2.37622	5 W
K06DE6O	18.1	0.15	K129U	328.650	183.188	309.931	1.581	0.11944	2.34734	7 X

K06DF6Z	17.6	0.15	K129U	301.665	36.451	129.247	3.106	0.12381	2.34336	5 X
K06DF7M	18.3	0.15	K129U	347.245	339.956	121.591	2.921	0.17193	2.34932	4 X
K06E03M	17.8	0.15	K129U	1.315	45.762	22.468	2.347	0.17159	2.37471	4 X
K06E04Z	18.5	0.15	K129U	13.327	53.236	23.361	3.058	0.15389	2.33542	5 X
K06E21A	17.2	0.15	K129U	29.917	60.905	345.297	8.368	0.20699	2.34316	4 X
K06E23W	17.9	0.15	K129U	26.240	204.042	203.230	0.317	0.21063	2.35469	4 X
K06E62J	17.2	0.15	K129U	305.115	211.637	325.435	4.915	0.16032	2.33040	4 X
K06F10S	18.2	0.15	K129U	140.851	301.918	16.409	4.268	0.00797	2.38698	3 X
K06G07W	17.4	0.15	K129U	271.930	93.159	91.191	3.169	0.14465	2.41059	5 X
K06G20K	17.6	0.15	K129U	345.599	352.063	125.615	3.094	0.04403	2.41274	5 W
K06G29K	17.0	0.15	K129U	323.619	98.336	31.324	6.782	0.08960	2.43417	7 X
K06H00X	17.5	0.15	K129U	248.783	122.418	119.844	3.992	0.19111	2.38678	5 X
K06H28A	17.3	0.15	K129U	309.217	23.312	127.240	6.882	0.06530	2.46440	4 X
K06H31P	16.4	0.15	K129U	265.628	126.199	84.836	5.876	0.14820	2.40369	4 X
K06H53P	17.3	0.15	K129U	238.960	191.774	53.395	6.197	0.20186	2.41067	5 X
K06HA6V	17.7	0.15	K129U	298.588	68.472	111.230	5.068	0.18709	2.37796	4 X
K06HC2F	17.4	0.15	K129U	278.659	111.506	89.316	3.095	0.16474	2.38862	4 X
K06HE4T	17.1	0.15	K129U	7.522	36.830	32.559	8.809	0.19761	2.41284	5 X
K06HF3A	14.3	0.15	K129U	225.686	184.180	61.624	17.300	0.07030	4.53732	5 X
K06J22M	17.8	0.15	K129U	31.029	298.732	87.113	24.530	0.15702	1.88259	4 X
K06K21Y	17.5	0.15	K129U	253.662	115.096	125.612	3.581	0.12165	2.39939	5 X
K06K68P	16.4	0.15	K129U	93.500	271.924	57.268	12.523	0.24032	2.69962	5 X
K06K87K	16.8	0.15	K129U	26.701	309.474	53.325	6.997	0.06147	2.72047	3 X
K06M12W	16.4	0.15	K129U	178.252	163.297	131.345	14.351	0.27402	2.54304	6 X
K06O02E	18.6	0.15	K129U	260.390	108.761	114.278	42.043	0.19103	1.80039	3 X
K06P40F	17.0	0.15	K129U	199.270	129.398	143.374	6.242	0.15701	2.59974	7 X
K06Q13L	17.4	0.15	K129U	292.261	192.047	317.767	19.176	0.05965	1.90845	3 X
K06Q19K	16.9	0.15	K129U	75.785	255.623	136.402	9.119	0.21958	2.78977	4 X
K06Q51D	16.1	0.15	K129U	89.682	238.996	135.967	15.993	0.10996	2.74046	4 X
K06Q95C	16.3	0.15	K129U	89.971	205.534	139.445	16.038	0.14652	2.85812	5 X
K06QI0N	16.5	0.15	K129U	79.278	45.890	344.319	5.339	0.03302	2.73001	7 X
K06R23P	16.5	0.15	K129U	11.538	85.377	331.998	21.600	0.41144	3.07108	5 X
K06R34A	16.4	0.15	K129U	93.637	51.011	327.424	7.355	0.19399	2.78248	4 X
K06R75P	17.0	0.15	K129U	355.007	70.793	11.196	7.489	0.18986	3.03646	4 X
K06S00X	16.5	0.15	K129U	282.190	215.985	326.102	3.355	0.03912	2.79678	6 X
K06S29C	16.4	0.15	K129U	294.692	235.274	296.387	12.347	0.17654	2.68855	5 X
K06S32L	17.1	0.15	K129U	60.630	208.138	181.156	2.360	0.12825	2.90390	6 X
K06S42T	15.9	0.15	K129U	50.408	302.715	61.433	14.622	0.33695	3.09827	4 X
K06S62Z	16.2	0.15	K129U	23.319	300.271	55.258	5.978	0.26161	3.19271	3 X
K06S69H	16.8	0.15	K129U	13.425	21.094	28.205	2.854	0.13935	3.04405	6 X
K06S83G	16.6	0.15	K129U	5.471	274.313	128.577	2.361	0.18711	3.15619	3 X
K06SB9B	17.4	0.15	K129U	160.533	11.084	264.353	17.804	0.05060	1.95031	2 K
K06SD0R	15.3	0.15	K129U	10.509	80.642	344.334	25.116	0.27420	3.08500	4 X
K06SD9Q	16.3	0.15	K129U	157.507	248.137	45.933	9.568	0.26571	2.76325	4 X
K06SF9X	16.9	0.15	K129U	64.345	320.977	41.921	6.188	0.13684	3.03326	5 X
K06SG4A	17.7	0.15	K129U	306.832	172.304	322.489	16.896	0.06280	1.92384	6 X
K06SJ4O	16.7	0.15	K129U	246.700	232.911	359.001	11.932	0.25868	2.65497	4 X
K06SL4D	17.0	0.15	K129U	36.569	44.448	354.223	10.073	0.07576	2.94967	4 X
K06SO5X	17.0	0.15	K129U	45.960	8.939	26.884	2.062	0.11350	2.92187	4 X
K06SP2M	17.1	0.15	K129U	33.630	44.373	355.701	2.742	0.11743	3.00053	4 X
K06ST1Y	15.5	0.15	K129U	32.241	317.152	81.053	28.599	0.13453	3.06158	4 X
K06SV1A	16.8	0.15	K129U	188.581	327.307	322.226	3.429	0.03240	2.77463	6 X
K06SV7D	16.4	0.15	K129U	51.052	354.552	33.047	10.481	0.05792	2.98766	7 X
K06SY7Z	17.2	0.15	K129U	39.119	87.135	345.200	1.440	0.04005	2.86877	6 X
K06Sb4X	16.4	0.15	K129U	28.021	294.277	131.005	9.787	0.17014	2.99436	4 X
K06Sb5V	17.0	0.15	K129U	79.237	281.039	68.914	5.851	0.14437	2.96808	3 W
K06Se1X	16.4	0.15	K129U	10.013	294.009	138.832	15.947	0.29115	3.09194	5 X
K06Se4Q	16.7	0.15	K129U	331.761	80.554	44.113	24.216	0.19987	3.11735	3 X
K06Sf1B	17.2	0.15	K129U	47.852	27.336	7.159	8.687	0.09939	3.00428	3 X
K06T13U	15.9	0.15	K129U	2.144	27.125	42.186	20.122	0.29522	3.10768	3 X
K06T25R	16.0	0.15	K129U	339.132	81.200	31.772	10.328	0.06620	3.01442	4 X
K06T36O	16.4	0.15	K129U	355.223	59.246	33.762	10.282	0.10862	3.07522	4 X
K06T63W	16.3	0.15	K129U	50.498	187.888	180.572	13.310	0.20562	3.06994	3 X
K06T73W	16.8	0.15	K129U	355.917	326.481	88.014	4.058	0.28088	3.22509	3 X
K06T87E	15.7	0.15	K129U	58.659	147.657	228.330	12.777	0.15264	3.06343	3 X
K06T88A	16.3	0.15	K129U	352.822	61.246	30.382	10.281	0.06469	3.08262	6 X
K06T90K	16.6	0.15	K129U	57.746	3.179	12.159	3.186	0.10782	3.09902	6 X
K06T95C	16.2	0.15	K129U	22.639	203.527	210.815	12.406	0.08217	3.05857	4 X
K06T99J	15.8	0.15	K129U	20.849	16.597	32.794	15.231	0.22396	3.09343	4 X
K06TB9P	16.2	0.15	K129U	82.881	196.773	162.022	12.217	0.06936	3.00134	3 X
K06U06V	16.1	0.15	K129U	54.471	322.831	53.487	11.355	0.21062	3.04780	3 X
K06U37P	16.6	0.15	K129U	16.395	16.913	37.244	15.602	0.25062	3.14281	3 X
K06U38S	17.8	0.15	K129U	259.092	343.040	27.281	2.226	0.15346	2.33455	6 X
K06U78R	16.6	0.15	K129U	22.366	176.342	226.670	10.797	0.21159	3.11472	4 X
K06U92E	16.9	0.15	K129U	7.057	19.892	50.606	5.989	0.12457	3.08332	3 X
K06U94P	16.6	0.15	K129U	30.580	337.074	65.952	5.977	0.12735	3.08341	3 W
K06UJ2N	15.6	0.15	K129U	13.431	178.579	254.406	14.674	0.07373	3.03408	5 X

K06UJ4A	16.9	0.15	K129U	348.932	61.125	34.070	3.363	0.06962	3.05568	8 X
K06UJ4G	16.4	0.15	K129U	349.316	71.241	36.646	16.264	0.08621	2.99752	3 X
K06UX0Y	16.7	0.15	K129U	123.582	201.888	137.336	11.367	0.07163	2.90667	4 X
K06V08M	16.9	0.15	K129U	23.413	316.205	115.637	2.184	0.16153	3.08415	5 X
K06V19U	16.0	0.15	K129U	94.259	288.638	38.578	6.036	0.23244	3.07706	5 X
K06V27P	17.1	0.15	K129U	37.016	35.650	6.299	0.330	0.20609	3.10315	4 X
K06V30B	15.7	0.15	K129U	320.958	73.289	59.913	27.340	0.10066	3.15076	6 X
K06V36J	15.7	0.15	K129U	43.394	320.788	57.530	16.642	0.26681	3.10286	5 X
K06V59E	16.1	0.15	K129U	68.309	293.250	67.997	14.552	0.22668	3.08025	4 X
K06V59R	15.7	0.15	K129U	340.576	53.229	66.374	15.102	0.19945	3.13272	4 X
K06V70H	15.7	0.15	K129U	85.857	273.901	72.318	16.492	0.11146	3.16320	3 X
K06V71P	16.7	0.15	K129U	338.561	11.567	84.004	2.271	0.13334	3.22148	3 X
K06V83T	16.0	0.15	K129U	138.938	264.914	41.413	10.828	0.25858	2.92118	5 X
K06VA0D	16.2	0.15	K129U	66.026	312.688	58.492	13.392	0.17220	3.07397	4 X
K06VA9D	16.2	0.15	K129U	357.689	45.675	47.669	10.684	0.21464	3.14542	4 X
K06VE6H	15.9	0.15	K129U	26.375	203.652	207.924	10.394	0.09529	3.15755	5 X
K06W07G	16.6	0.15	K129U	336.272	54.740	77.721	12.343	0.24560	3.12692	5 X
K06W11G	16.1	0.15	K129U	355.997	54.415	49.639	17.064	0.21436	3.14239	5 X
K06WA0F	15.4	0.15	K129U	72.213	251.492	86.310	10.170	0.08018	3.18935	3 X
K06WA2E	16.2	0.15	K129U	8.977	3.785	75.872	19.891	0.16000	3.09577	4 X
K06WA2X	16.3	0.15	K129U	315.744	76.298	67.675	2.271	0.12756	3.16009	4 X
K06WA4L	16.4	0.15	K129U	296.241	81.064	71.836	10.221	0.02763	3.17450	4 X
K06WA7Y	15.9	0.15	K129U	62.004	136.990	243.280	5.414	0.21330	3.06636	5 X
K06WD2U	16.2	0.15	K129U	324.765	266.936	237.635	4.864	0.14636	3.07242	7 X
K06WD4G	16.7	0.15	K129U	101.167	319.599	23.231	10.166	0.11355	2.98866	5 X
K06WD4N	16.4	0.15	K129U	16.888	31.933	33.649	17.155	0.08377	3.07315	4 X
K06WG3W	16.6	0.15	K129U	41.805	317.196	86.489	6.334	0.12819	3.08858	3 W
K06WH4N	15.3	0.15	K129U	86.809	112.341	246.575	13.037	0.08435	3.12638	4 X
K06X02R	16.9	0.15	K129U	57.211	329.365	61.401	12.640	0.07742	3.09082	6 X
K06X06W	15.6	0.15	K129U	326.356	62.246	62.565	5.744	0.10758	3.24065	6 X
K06X23U	16.5	0.15	K129U	109.071	248.983	104.129	11.793	0.12393	2.99388	5 X
K06X45A	17.0	0.15	K129U	45.439	320.910	77.798	2.195	0.18619	3.14873	4 X
K06X63W	15.9	0.15	K129U	45.790	321.696	76.720	5.947	0.26391	3.15274	4 X
K06X69Y	16.3	0.15	K129U	15.646	343.723	103.988	11.917	0.13105	3.19494	3 X
K06Y26N	16.5	0.15	K129U	28.428	22.513	57.785	3.345	0.11222	3.16559	4 X
K07A12G	19.7	0.15	K129U	359.690	68.148	305.565	42.015	0.65627	2.09003	4 X
K07B59D	15.6	0.15	K129U	3.626	149.638	321.160	8.253	0.08200	3.23579	4 X
K07C65G	15.5	0.15	K129U	179.828	168.446	148.897	17.461	0.09359	3.19866	7 X
K07D41K	15.6	0.15	K129U	317.913	75.608	107.730	21.300	0.12754	3.22943	5 X
K07E00S	18.5	0.15	K129U	36.340	19.276	334.546	35.210	0.59483	1.56960	4 X
K07G65Y	17.7	0.15	K129U	192.773	236.997	26.422	9.783	0.21700	2.23798	5 X
K07N06K	16.4	0.15	K129U	67.735	342.534	11.233	13.212	0.27601	2.54780	4 X
K07P07U	16.9	0.15	K129U	117.315	211.503	127.431	8.172	0.20171	2.41656	4 X
K07P37U	16.7	0.15	K129U	43.391	206.324	163.045	9.394	0.28946	2.66828	3 X
K07R66Z	17.2	0.15	K129U	306.664	209.278	331.824	3.653	0.18019	2.32380	5 X
K07R78Q	17.1	0.15	K129U	5.239	206.814	237.700	1.604	0.14742	2.54361	7 X
K07R80R	17.5	0.15	K129U	234.994	279.839	343.551	4.385	0.16686	2.27424	5 X
K07R84J	16.7	0.15	K129U	69.704	336.325	18.821	9.554	0.23788	2.65537	3 X
K07R85B	16.7	0.15	K129U	345.303	114.041	347.033	13.143	0.12164	2.54509	4 X
K07RF8A	16.8	0.15	K129U	72.808	240.312	133.787	9.053	0.19816	2.55642	5 X
K07RM1K	16.2	0.15	K129U	77.752	263.627	105.052	13.852	0.18839	2.55811	5 X
K07R09Q	16.3	0.15	K129U	68.770	75.976	302.357	13.968	0.16565	2.57311	4 X
K07RP4W	17.7	0.15	K129U	359.482	139.475	305.208	5.831	0.25067	2.62312	2 X
K07RR2S	17.3	0.15	K129U	201.694	281.029	343.536	5.793	0.06259	2.47759	7 X
K07RR7V	16.9	0.15	K129U	30.816	279.885	126.959	13.476	0.26881	2.65386	5 X
K07RS0X	16.4	0.15	K129U	15.158	125.720	290.267	12.209	0.16521	2.69231	3 X
K07RT1F	16.0	0.15	K129U	341.042	60.644	53.078	17.723	0.11721	2.78403	6 X
K07RT5R	17.1	0.15	K129U	314.317	292.351	209.077	12.956	0.12189	2.65230	6 X
K07RW5N	16.7	0.15	K129U	359.218	348.619	43.025	3.259	0.25649	3.00434	2 X
K07S11H	15.9	0.15	K129U	112.209	44.213	300.491	13.815	0.07913	2.56205	4 X
K07T02W	16.9	0.15	K129U	97.458	320.115	16.571	7.494	0.15567	2.59440	5 X
K07T04Y	17.6	0.15	K129U	36.005	232.673	169.133	0.595	0.21294	2.64952	6 X
K07T20J	17.0	0.15	K129U	52.701	28.526	359.578	5.452	0.21382	2.64343	5 X
K07T34C	16.4	0.15	K129U	21.393	17.207	32.813	13.782	0.18086	2.74813	4 X
K07T49R	17.2	0.15	K129U	325.717	103.672	339.836	1.574	0.19565	2.89015	3 X
K07T56D	17.0	0.15	K129U	11.106	32.860	26.696	8.319	0.21801	2.76925	4 X
K07TB5H	16.6	0.15	K129U	354.595	27.122	60.222	14.490	0.27303	2.77284	3 X
K07TB9J	16.6	0.15	K129U	316.243	245.214	254.396	11.398	0.12769	2.73203	3 X
K07TC3O	17.4	0.15	K129U	38.640	266.394	135.011	1.767	0.17468	2.68941	5 X
K07TF7G	16.8	0.15	K129U	38.990	92.457	313.720	2.175	0.23682	2.67621	4 X
K07TL3Y	16.4	0.15	K129U	141.902	74.505	230.367	10.074	0.10953	2.61541	4 X
K07TP0M	17.3	0.15	K129U	196.207	251.342	9.815	11.926	0.09861	2.52349	5 X
K07TQ1C	16.9	0.15	K129U	37.697	331.144	52.340	6.005	0.19072	2.75976	2 X
K07TQ6M	16.7	0.15	K129U	80.167	283.433	61.647	11.823	0.13519	2.70620	6 X
K07TQ8W	17.2	0.15	K129U	187.616	224.238	33.537	5.042	0.11551	2.58573	5 X
K07TY8R	17.1	0.15	K129U	34.729	235.276	152.530	12.031	0.21450	2.60912	6 X
K07Tb2R	17.2	0.15	K129U	29.164	336.898	68.976	3.122	0.08978	2.63681	6 X

K08B52Z	16.7	0.15	K129U	0.047	109.522	326.586	13.101	0.25284	2.96638	4	X
K08C10H	15.6	0.15	K129U	256.465	242.349	350.556	25.162	0.25145	3.10440	5	X
K08C10L	16.0	0.15	K129U	284.751	185.856	357.658	9.314	0.08883	3.10988	6	X
K08C10V	18.1	0.15	K129U	350.563	106.870	321.862	18.763	0.11616	1.86452	4	X
K08C12V	17.8	0.15	K129U	112.548	337.308	334.010	18.883	0.06765	1.90865	3	X
K08C14F	16.0	0.15	K129U	38.237	80.356	347.987	8.222	0.04783	3.00565	7	X
K08C33A	16.2	0.15	K129U	258.112	106.759	130.205	6.909	0.02778	2.86716	6	X
K08C37C	15.5	0.15	K129U	259.077	236.877	323.746	9.337	0.12066	3.15871	5	X
K08C37O	16.7	0.15	K129U	217.706	25.672	249.556	0.936	0.06462	2.93335	5	X
K08C67W	15.9	0.15	K129U	136.668	196.981	143.106	14.018	0.09504	3.02876	4	X
K08C73A	17.6	0.15	K129U	74.302	43.975	316.028	19.756	0.10784	1.86473	3	X
K08C74O	15.6	0.15	K129U	295.517	138.638	13.709	9.769	0.01338	3.09863	4	X
K08C83N	15.5	0.15	K129U	312.564	142.368	352.740	10.577	0.03641	3.18116	4	X
K08C84T	16.9	0.15	K129U	6.808	134.388	325.261	2.591	0.10547	3.00153	4	X
K08C85Q	16.5	0.15	K129U	5.177	322.806	125.146	6.385	0.17538	3.04448	4	X
K08C89M	16.1	0.15	K129U	206.643	120.688	146.835	10.832	0.07623	3.11401	5	X
K08C95L	16.2	0.15	K129U	329.604	15.079	126.466	10.394	0.13931	3.02912	4	X
K08CA0Q	15.7	0.15	K129U	293.419	268.629	270.267	19.613	0.19867	2.99985	3	X
K08CB5V	16.1	0.15	K129U	190.069	165.657	124.125	11.518	0.07216	3.06546	7	W
K08CC6D	16.5	0.15	K129U	198.977	334.705	293.504	3.721	0.07218	3.02062	4	W
K08CD0Y	16.3	0.15	K129U	26.756	101.720	333.155	9.268	0.07889	3.01594	3	X
K08CD7R	16.2	0.15	K129U	299.800	42.566	130.186	4.769	0.09073	3.04136	7	X
K08CE4T	15.4	0.15	K129U	176.995	342.240	319.895	12.007	0.13584	3.01099	5	X
K08CF4M	16.8	0.15	K129U	16.507	337.156	94.724	6.425	0.12745	3.07502	5	X
K08CI0M	17.4	0.15	K129U	309.239	183.541	306.833	19.369	0.10596	1.86605	5	X
K08CI3K	16.3	0.15	K129U	339.651	294.120	176.609	10.226	0.06150	3.08895	5	X
K08CI9F	15.8	0.15	K129U	271.011	112.785	130.914	13.827	0.32335	3.08215	3	X
K08CJ1Q	16.4	0.15	K129U	46.066	96.055	319.576	9.579	0.11761	2.99648	3	X
K08CJ7X	16.8	0.15	K129U	280.971	234.703	336.228	4.192	0.16789	3.05104	3	X
K08CJ8B	16.6	0.15	K129U	316.756	117.436	24.743	5.015	0.21110	3.12453	4	X
K08CK0G	15.8	0.15	K129U	145.084	329.453	356.439	9.291	0.05854	3.19530	4	X
K08CK2W	16.3	0.15	K129U	236.157	285.938	327.026	8.399	0.10940	3.02965	6	X
K08CL3A	16.4	0.15	K129U	254.732	232.567	347.235	16.666	0.15570	3.12236	5	X
K08CL3K	16.2	0.15	K129U	345.158	327.181	152.137	5.337	0.13268	3.18417	7	X
K08D13U	15.9	0.15	K129U	74.833	58.446	317.392	8.303	0.06438	3.10868	5	W
K08D22J	15.4	0.15	K129U	307.025	197.236	344.386	15.181	0.21684	3.06038	4	X
K08D23S	15.8	0.15	K129U	258.466	244.952	336.135	12.308	0.06634	3.03978	4	X
K08D24T	15.6	0.15	K129U	358.980	309.271	140.937	11.670	0.15632	3.08405	6	X
K08D25W	17.0	0.15	K129U	330.501	288.331	201.049	8.273	0.27904	3.04351	4	X
K08D27P	17.5	0.15	K129U	5.286	65.794	0.652	20.073	0.11893	1.89097	3	X
K08D36T	16.8	0.15	K129U	271.003	4.616	207.219	1.510	0.14050	3.09740	4	X
K08D55D	16.0	0.15	K129U	275.450	220.813	345.942	23.002	0.22544	3.10066	4	X
K08D87P	16.4	0.15	K129U	269.675	73.569	135.245	2.100	0.10269	3.11142	5	W
K08E08S	15.1	0.15	K129U	68.305	359.051	32.136	15.735	0.07318	3.04705	5	X
K08E09C	18.2	0.15	K129U	0.783	91.270	336.841	20.099	0.10004	1.88978	3	X
K08E20D	15.5	0.15	K129U	1.516	102.150	352.793	16.684	0.09588	3.21205	6	X
K08E27L	15.8	0.15	K129U	1.438	303.912	142.219	17.379	0.12193	3.21736	7	X
K08E41A	16.3	0.15	K129U	294.631	72.358	116.190	9.698	0.22202	3.10334	4	X
K08E49O	16.7	0.15	K129U	334.966	168.259	348.639	4.061	0.16944	2.98018	6	X
K08E55Z	16.8	0.15	K129U	341.488	136.046	331.152	4.014	0.09881	3.09739	4	X
K08E60A	15.7	0.15	K129U	267.479	241.666	328.192	16.550	0.16139	3.10592	5	X
K08E65A	16.4	0.15	K129U	268.393	245.724	335.801	9.178	0.17543	3.08361	3	X
K08E87S	16.0	0.15	K129U	270.389	92.546	136.808	13.989	0.21475	3.02948	4	X
K08E92V	15.8	0.15	K129U	320.209	23.575	123.073	14.483	0.10770	3.09695	5	X
K08E92X	15.4	0.15	K129U	224.040	221.222	28.381	18.473	0.14523	3.17004	5	X
K08E93X	15.7	0.15	K129U	292.658	141.313	36.812	11.055	0.09856	3.10517	6	X
K08ED6H	15.9	0.15	K129U	346.362	79.407	33.856	9.099	0.11672	3.21523	4	X
K08EG5W	15.3	0.15	K129U	217.142	190.266	60.798	10.363	0.02889	3.16733	4	X
K08F41A	15.9	0.15	K129U	294.825	153.467	34.472	12.458	0.18071	3.14703	4	X
K08F58E	16.3	0.15	K129U	240.493	113.188	120.635	2.698	0.10202	3.24207	6	X
K08F89X	17.0	0.15	K129U	341.546	124.713	2.090	6.431	0.14580	2.97884	4	X
K08FC0S	16.4	0.15	K129U	232.081	123.078	141.955	7.214	0.15029	3.15883	4	X
K08FC2J	16.0	0.15	K129U	322.659	76.323	65.980	26.400	0.23062	3.12550	4	X
K08G27H	16.0	0.15	K129U	31.052	51.296	12.111	10.677	0.03006	3.17089	4	X
K08G39P	17.1	0.15	K129U	283.590	164.211	42.630	2.040	0.15604	3.06160	3	X
K08G85S	16.3	0.15	K129U	322.944	326.641	162.054	10.577	0.13577	3.18816	5	X
K08GB0Z	16.9	0.15	K129U	264.720	88.013	106.238	22.868	0.04481	1.91424	6	X
K08GB4M	15.9	0.15	K129U	292.788	74.709	104.847	19.089	0.13853	3.24534	3	X
K08H18Q	15.7	0.15	K129U	270.453	88.067	117.822	9.145	0.09108	3.35473	4	W
K08J70M	17.6	0.15	K129U	32.001	316.854	85.127	25.767	0.06747	1.96393	5	X
K08K18J	15.7	0.15	K129U	275.764	96.765	147.028	13.798	0.25994	3.16839	3	X
K08L02W	16.7	0.15	K129U	298.252	73.427	126.269	14.525	0.22808	3.18359	5	X
K08O14D	17.4	0.15	K129U	32.304	85.399	288.371	6.459	0.16719	2.27594	4	X
K08O18A	18.0	0.15	K129U	158.331	310.952	324.678	8.396	0.07429	2.15686	5	X
K08O22Q	14.0	0.15	K129U	30.349	285.587	157.941	9.453	0.08710	5.26503	7	X
K08P09F	17.9	0.15	K129U	73.014	247.258	129.123	6.541	0.16558	2.17931	7	X
K08Q09K	18.0	0.15	K129U	4.725	73.694	337.228	4.537	0.41495	2.39698	2	X

K08Q21U	17.1	0.15	K129U	95.570	25.153	288.449	6.502	0.15123	2.25589	3 X
K08R69A	17.1	0.15	K129U	48.310	68.466	328.602	4.779	0.17445	2.24853	7 X
K08R80F	17.1	0.15	K129U	47.785	268.761	93.419	22.570	0.36618	2.30292	5 X
K08RA7D	17.2	0.15	K129U	109.678	256.247	53.818	6.953	0.20817	2.23238	3 X
K08RC3K	14.1	0.15	K129U	110.739	18.401	353.956	7.985	0.02773	5.11956	6 X
K08RE0C	17.2	0.15	K129U	307.181	63.962	70.445	8.048	0.06997	2.36391	3 X
K08S07Z	17.3	0.15	K129U	55.136	121.457	251.463	3.286	0.19202	2.25244	3 X
K08S46E	17.6	0.15	K129U	22.388	26.227	26.502	7.253	0.11226	2.31254	4 X
K08S92G	16.9	0.15	K129U	256.447	13.950	6.526	2.970	0.29130	3.13943	3 X
K08SA5P	17.8	0.15	K129U	62.000	347.184	42.009	1.066	0.12007	2.25028	7 X
K08SA7A	17.3	0.15	K129U	81.597	303.818	29.426	7.722	0.20466	2.32327	4 X
K08SD1L	18.4	0.15	K129U	14.977	48.433	357.811	3.583	0.18284	2.39023	3 X
K08SG3N	17.3	0.15	K129U	19.365	13.372	25.020	7.265	0.19326	2.35551	3 X
K08SJ5H	16.6	0.15	K129U	293.531	309.293	50.407	3.409	0.16475	3.04064	7 X
K08SL1R	16.5	0.15	K129U	0.711	132.543	299.697	4.386	0.30470	2.56187	6 X
K08SL8U	17.5	0.15	K129U	16.243	155.249	270.724	3.797	0.14710	2.26455	4 X
K08SN2E	18.0	0.15	K129U	24.775	112.272	303.357	4.036	0.10646	2.25455	3 W
K08SR2O	17.9	0.15	K129U	353.461	115.351	321.678	1.677	0.21991	2.42236	5 X
K08SU0K	17.4	0.15	K129U	186.631	327.717	275.166	4.220	0.11144	2.23942	8 X
K08SU4C	17.3	0.15	K129U	88.346	246.487	74.354	6.460	0.15711	2.33662	5 X
K08T03N	18.0	0.15	K129U	25.547	103.798	284.619	1.934	0.24996	2.40345	3 X
K08T09J	18.2	0.15	K129U	30.382	354.786	30.404	2.784	0.21540	2.36969	3 X
K08T67O	17.8	0.15	K129U	3.350	32.303	52.394	5.260	0.12567	2.31020	6 X
K08TA4W	18.0	0.15	K129U	301.783	167.759	342.733	1.788	0.13729	2.29067	6 X
K08TA8W	17.8	0.15	K129U	349.399	348.160	57.929	5.786	0.17467	2.46261	3 X
K08TC1P	17.9	0.15	K129U	9.553	44.392	19.874	8.395	0.12996	2.30719	5 X
K08TF7W	17.3	0.15	K129U	63.942	60.601	257.101	13.681	0.23429	2.39060	2 X
K08TG5X	17.8	0.15	K129U	77.397	59.852	316.531	6.199	0.10094	2.21670	4 X
K08TI7S	16.9	0.15	K129U	358.868	316.929	93.434	8.438	0.11196	2.44950	2 X
K08U06W	17.4	0.15	K129U	9.665	62.831	1.708	9.831	0.17678	2.33815	4 X
K08U07J	15.6	0.15	K129U	10.444	335.497	78.313	23.628	0.23725	2.40113	4 X
K08U25D	17.3	0.15	K129U	73.418	353.633	10.987	5.159	0.18921	2.22467	5 X
K08U41U	17.9	0.15	K129U	11.887	31.133	28.235	2.607	0.18367	2.39725	4 X
K08U54Z	17.5	0.15	K129U	358.392	315.083	88.652	2.515	0.17741	2.46786	5 X
K08U80E	18.1	0.15	K129U	343.844	164.375	298.826	1.868	0.13310	2.34969	4 X
K08U87M	18.1	0.15	K129U	10.117	93.620	343.910	5.204	0.11836	2.33089	5 X
K08U90P	15.9	0.15	K129U	8.053	97.496	308.489	27.649	0.32883	2.58580	3 X
K08U90T	17.9	0.15	K129U	21.011	278.008	122.001	1.930	0.18592	2.35105	5 X
K08U94W	17.9	0.15	K129U	9.874	359.129	57.525	5.861	0.11468	2.33672	5 X
K08UB9K	17.8	0.15	K129U	66.618	344.878	358.084	3.953	0.24757	2.36669	7 X
K08UD6G	17.9	0.15	K129U	172.630	224.112	43.549	5.747	0.13727	2.28438	6 X
K08UE1N	18.1	0.15	K129U	3.495	249.620	190.307	1.165	0.15710	2.36536	7 X
K08UE9B	17.5	0.15	K129U	334.066	53.123	14.114	1.419	0.12314	2.55631	4 X
K08UF7B	17.9	0.15	K129U	12.093	18.179	62.971	2.093	0.15905	2.33775	5 X
K08UH4V	17.8	0.15	K129U	347.547	62.202	31.534	1.746	0.15539	2.39312	4 X
K08UJ7R	18.0	0.15	K129U	351.181	287.256	167.462	2.445	0.15205	2.34789	5 X
K08UJ9D	16.8	0.15	K129U	17.106	1.691	63.421	8.479	0.15624	2.36803	5 X
K08UK6M	17.5	0.15	K129U	337.168	122.990	345.920	4.462	0.17864	2.42351	3 X
K08UK8O	18.4	0.15	K129U	315.591	225.225	264.969	1.454	0.13840	2.36056	4 X
K08UN6F	18.0	0.15	K129U	38.466	102.182	293.166	3.827	0.15328	2.35002	5 X
K08UO1B	17.6	0.15	K129U	343.531	196.856	267.898	6.330	0.12420	2.36633	5 X
K08UO8K	18.3	0.15	K129U	340.190	306.807	165.105	1.232	0.14126	2.39175	4 X
K08UP7G	16.3	0.15	K129U	110.149	227.968	42.895	8.017	0.18014	2.56149	3 X
K08UP7W	17.9	0.15	K129U	320.820	245.206	255.030	1.570	0.15018	2.34580	4 X
K08UQ3R	17.0	0.15	K129U	27.538	351.840	53.281	10.166	0.18320	2.40180	5 X
K08UR7O	17.6	0.15	K129U	214.856	187.549	42.439	4.637	0.04445	2.29158	6 X
K08US9L	17.7	0.15	K129U	50.189	322.303	66.866	15.446	0.07382	2.37958	3 X
K08US9S	17.7	0.15	K129U	336.716	18.459	104.639	3.287	0.15117	2.37551	2 W
K08UT6D	17.8	0.15	K129U	337.804	124.248	299.091	1.591	0.14941	2.52379	4 X
K08UW5H	16.9	0.15	K129U	14.044	115.432	259.755	2.259	0.12651	2.57885	4 X
K08UY0L	18.1	0.15	K129U	321.923	198.510	302.022	1.400	0.15782	2.37026	6 X
K08Ua1W	18.0	0.15	K129U	16.684	115.002	339.864	6.448	0.02530	2.20240	5 X
K08V13R	17.1	0.15	K129U	10.443	337.425	92.814	6.196	0.20798	2.40338	5 X
K08V38A	17.5	0.15	K129U	9.199	343.832	86.005	6.681	0.09471	2.36959	5 W
K08V50O	17.9	0.15	K129U	64.766	75.864	262.171	0.467	0.19529	2.38758	5 X
K08V51H	16.3	0.15	K129U	100.309	245.663	54.731	6.137	0.12568	2.52426	4 X
K08V76S	17.2	0.15	K129U	6.593	269.495	127.768	3.734	0.17843	2.51025	4 X
K08W02V	17.3	0.15	K129U	324.800	169.079	278.387	8.052	0.17092	2.44682	3 X
K08W22B	17.2	0.15	K129U	320.744	151.364	291.510	1.681	0.14713	2.55023	4 X
K08W32V	16.2	0.15	K129U	328.684	10.275	63.124	30.384	0.09931	2.55048	3 X
K08W61P	17.6	0.15	K129U	16.660	332.884	69.432	10.649	0.28017	2.43927	3 X
K08W67Y	16.8	0.15	K129U	271.728	260.673	244.797	11.766	0.18761	2.61890	3 X
K08W72N	18.2	0.15	K129U	332.284	211.723	268.673	0.850	0.12723	2.35671	5 X
K08W77O	18.2	0.15	K129U	354.175	327.636	126.154	2.690	0.13624	2.38795	3 X
K08W79D	18.4	0.15	K129U	308.862	23.649	144.457	3.475	0.12641	2.30015	5 X
K08W83K	17.1	0.15	K129U	356.034	288.072	121.217	4.303	0.25282	2.53135	4 X
K08WB5T	17.3	0.15	K129U	4.878	322.375	65.431	4.113	0.11688	2.61200	4 X

K09BA6B	17.1	0.15	K129U	346.264	300.036	149.994	12.137	0.14358	2.66514	4	X
K09BB1F	16.5	0.15	K129U	320.725	12.199	131.835	8.380	0.10373	2.58856	5	X
K09BC7C	17.7	0.15	K129U	320.249	196.440	307.822	3.967	0.09930	2.54639	7	X
K09BC9K	17.1	0.15	K129U	11.151	17.023	78.568	2.806	0.03086	2.54599	8	X
K09BE1H	16.6	0.15	K129U	301.164	201.951	323.229	14.970	0.04621	2.53320	5	X
K09BE7V	17.2	0.15	K129U	302.289	355.110	158.727	13.922	0.12160	2.65384	4	X
K09BF0Y	16.4	0.15	K129U	355.549	29.751	51.223	6.830	0.29080	2.56412	4	X
K09BF6Y	17.0	0.15	K129U	333.575	329.524	153.918	4.456	0.19167	2.59724	6	X
K09BG3L	17.2	0.15	K129U	20.161	317.300	102.789	5.384	0.24838	2.52965	4	X
K09BG6F	17.0	0.15	K129U	94.436	48.975	318.051	4.128	0.07531	2.56282	6	X
K09BH0X	16.1	0.15	K129U	23.566	75.762	327.193	21.872	0.15342	2.71423	4	X
K09BI3U	16.4	0.15	K129U	343.341	151.923	300.966	11.363	0.26141	2.63169	3	X
K09BI5V	16.5	0.15	K129U	352.665	31.974	63.127	11.502	0.14225	2.58781	4	X
K09BI6M	17.4	0.15	K129U	41.151	131.390	266.509	1.766	0.19458	2.54490	7	X
K09BI9Q	17.3	0.15	K129U	17.944	38.377	8.195	8.501	0.18954	2.69426	3	X
K09C03D	16.2	0.15	K129U	17.804	331.913	78.186	14.429	0.27944	2.56075	4	X
K09C03N	17.3	0.15	K129U	3.354	357.793	76.607	5.294	0.19297	2.56320	2	X
K09C15V	17.4	0.15	K129U	295.240	347.013	186.354	1.043	0.10722	2.60675	5	X
K09C17H	16.5	0.15	K129U	232.442	71.040	145.743	15.525	0.06841	2.67693	7	X
K09C18C	17.4	0.15	K129U	263.685	263.702	301.148	9.994	0.23796	2.64412	3	W
K09C33M	17.0	0.15	K129U	332.132	130.630	342.024	15.018	0.18663	2.66487	3	X
K09C34Q	17.6	0.15	K129U	340.100	115.828	343.718	8.095	0.07883	2.61630	5	X
K09C38Z	17.6	0.15	K129U	353.248	282.722	169.435	4.216	0.24718	2.59953	4	X
K09C40O	17.1	0.15	K129U	342.953	130.549	285.498	1.385	0.13789	2.79310	4	X
K09C40Y	17.4	0.15	K129U	1.053	277.093	168.500	3.145	0.13693	2.54358	6	X
K09C45K	17.4	0.15	K129U	70.387	267.863	130.462	7.412	0.11324	2.38862	6	X
K09C51W	17.2	0.15	K129U	344.141	353.950	140.001	6.328	0.04522	2.46115	5	X
K09C53P	16.9	0.15	K129U	219.179	115.050	133.202	6.241	0.01288	2.56058	5	X
K09C57Y	17.3	0.15	K129U	277.109	81.482	136.790	3.634	0.12610	2.44731	5	X
K09D00M	18.1	0.15	K129U	8.661	95.205	311.451	10.278	0.30590	2.64321	3	X
K09D01U	16.2	0.15	K129U	112.938	36.657	301.693	12.109	0.15648	2.54927	5	X
K09D05S	17.3	0.15	K129U	251.947	274.886	329.757	10.760	0.23292	2.53292	6	X
K09D09T	16.4	0.15	K129U	281.201	33.413	150.475	11.285	0.17437	2.72001	7	X
K09D11P	16.1	0.15	K129U	309.029	206.511	326.356	12.558	0.27388	2.60124	4	X
K09D26G	17.2	0.15	K129U	351.278	153.720	300.311	3.346	0.22334	2.56194	6	X
K09D39W	17.1	0.15	K129U	359.833	80.941	329.461	3.268	0.21089	2.76397	3	X
K09D41Q	17.4	0.15	K129U	2.524	100.121	329.756	12.154	0.24771	2.60768	5	X
K09D42N	17.2	0.15	K129U	267.819	340.806	234.541	1.116	0.13774	2.53140	7	X
K09D54C	17.6	0.15	K129U	30.187	295.992	125.234	2.754	0.06356	2.62403	5	X
K09D57U	17.2	0.15	K129U	358.935	285.517	147.255	5.934	0.35070	2.61417	4	X
K09D72Q	17.7	0.15	K129U	302.889	195.564	339.343	4.094	0.08355	2.54695	3	X
K09D77G	16.6	0.15	K129U	290.622	236.947	313.767	2.047	0.24082	2.61926	6	X
K09D94O	16.4	0.15	K129U	18.156	309.415	122.609	6.681	0.08328	2.76805	7	X
K09D98V	16.6	0.15	K129U	329.287	331.485	155.089	15.853	0.12261	2.68345	5	X
K09D99M	17.0	0.15	K129U	21.473	320.037	137.607	6.939	0.06924	2.55499	5	X
K09DB1K	16.0	0.15	K129U	306.600	59.896	108.436	22.798	0.04443	2.58414	5	X
K09DB4V	16.8	0.15	K129U	52.488	230.429	139.486	14.566	0.14657	2.64771	7	X
K09DB6X	16.7	0.15	K129U	55.709	26.066	352.613	8.184	0.05724	2.83339	3	X
K09DB9A	18.0	0.15	K129U	329.734	162.668	333.599	0.766	0.18046	2.59568	3	X
K09DC7C	18.1	0.15	K129U	334.628	169.860	322.200	3.938	0.16686	2.61576	3	W
K09DD0T	16.9	0.15	K129U	336.817	356.657	123.107	5.994	0.12760	2.69831	3	W
K09DD6T	17.2	0.15	K129U	287.269	72.927	117.260	12.434	0.19223	2.62988	4	X
K09E12Q	16.6	0.15	K129U	9.934	3.122	67.871	7.818	0.24615	2.55691	3	X
K09F02V	15.8	0.15	K129U	145.928	139.792	165.227	13.140	0.08921	2.96898	6	X
K09F14R	15.0	0.15	K129U	67.028	280.380	82.492	15.148	0.01131	3.12869	7	X
K09F24E	16.2	0.15	K129U	243.516	194.721	28.369	9.492	0.14080	2.71493	5	X
K09F27Y	17.0	0.15	K129U	297.167	25.400	139.825	14.516	0.18897	2.69396	4	X
K09F37R	16.6	0.15	K129U	78.081	248.053	134.405	6.018	0.06287	2.78608	7	X
K09F42P	16.1	0.15	K129U	115.089	277.597	42.276	11.458	0.12866	3.11014	5	X
K09F45Z	16.5	0.15	K129U	299.448	48.274	138.765	9.248	0.07822	2.61544	4	X
K09F50Z	16.3	0.15	K129U	283.186	156.100	27.928	14.994	0.12147	2.73708	5	X
K09F59U	16.2	0.15	K129U	3.897	348.812	128.222	18.193	0.10387	2.59412	7	X
K09F61X	16.2	0.15	K129U	192.965	241.104	15.928	8.379	0.11600	3.00178	6	X
K09F67Z	16.9	0.15	K129U	191.061	231.031	50.124	5.140	0.03536	2.79424	6	X
K09F74Y	16.8	0.15	K129U	282.785	226.643	348.701	10.809	0.31378	2.65914	3	X
K09G01V	16.8	0.15	K129U	3.107	327.474	131.865	4.024	0.14564	2.66141	6	X
K09G02K	16.1	0.15	K129U	254.346	155.359	68.000	12.019	0.16199	2.78680	4	X
K09H12O	17.3	0.15	K129U	6.063	330.519	133.095	3.188	0.17364	2.59448	5	X
K09H38G	17.5	0.15	K129U	1.044	337.189	115.073	6.100	0.12477	2.75662	3	X
K09H39B	16.4	0.15	K129U	198.461	97.029	162.480	10.333	0.06065	3.06882	5	X
K09H42M	16.0	0.15	K129U	5.070	18.177	66.734	11.741	0.08914	2.97053	6	X
K09H65O	16.0	0.15	K129U	295.264	65.479	71.656	13.661	0.18249	3.09405	3	X
K09H74Q	16.7	0.15	K129U	290.007	64.594	145.723	13.529	0.21577	2.62240	4	X
K09H85R	17.3	0.15	K129U	302.765	45.731	135.032	4.740	0.19948	2.67722	4	X
K09H95S	16.6	0.15	K129U	263.147	90.549	148.669	10.417	0.11138	2.76466	4	X
K09HA0X	16.9	0.15	K129U	263.694	124.442	65.948	5.822	0.07184	3.05401	4	X
K09J06F	15.9	0.15	K129U	303.568	71.039	85.016	16.946	0.06686	2.98807	4	W

K09J06P	16.1	0.15	K129U	109.060	221.603	128.497	10.185	0.09450	3.16473	5 X
K09J06W	16.8	0.15	K129U	311.777	26.915	150.265	8.641	0.14571	2.73732	5 X
K09K04E	15.6	0.15	K129U	214.538	175.543	62.572	28.111	0.07352	3.13446	5 X
K09K08U	16.4	0.15	K129U	181.708	11.645	280.616	6.249	0.18927	3.02249	4 X
K09M03L	15.7	0.15	K129U	123.134	212.966	128.222	10.295	0.03283	3.10634	7 X
K09M07K	16.9	0.15	K129U	352.821	96.634	244.787	26.033	0.34240	2.19398	3 X
K09O06J	15.1	0.15	K129U	204.023	156.071	146.997	19.318	0.12756	3.20341	6 X
K09O21F	15.3	0.15	K129U	246.800	300.102	321.692	12.751	0.26342	3.16857	7 X
K09R31W	13.9	0.15	K129U	24.012	114.221	341.231	5.772	0.13016	5.19138	7 X
K09R63V	13.2	0.15	K129U	338.909	117.846	13.269	22.224	0.07121	5.16448	6 X
K09R64T	13.0	0.15	K129U	108.203	319.144	46.699	7.967	0.12452	5.23956	5 X
K09R73N	13.3	0.15	K129U	282.081	166.876	26.289	20.722	0.01474	5.20826	5 X
K09S76U	13.6	0.15	K129U	331.555	53.466	110.650	6.239	0.14690	5.22602	5 X
K09SA1A	13.3	0.15	K129U	82.105	54.677	339.111	17.999	0.08900	5.29454	4 X
K09SC3M	13.8	0.15	K129U	18.111	165.904	291.800	5.431	0.05062	5.19606	5 X
K09SI5W	14.2	0.15	K129U	90.427	323.064	68.419	6.411	0.03646	5.06324	5 X
K09SK0B	13.8	0.15	K129U	359.602	211.497	274.867	3.073	0.12417	5.18786	5 X
K09SP3U	14.5	0.15	K129U	355.691	160.555	333.647	6.349	0.09936	5.22848	6 W
K09SV8N	14.0	0.15	K129U	32.743	342.909	95.387	2.156	0.06346	5.34331	8 X
K09SZ4C	13.8	0.15	K129U	85.112	242.150	146.790	7.990	0.05148	5.27932	7 X
K09SZ5O	12.8	0.15	K129U	1.077	195.276	285.393	10.296	0.04653	5.17893	6 X
K09UC0P	14.2	0.15	K129U	32.493	279.270	165.811	2.415	0.04730	5.23336	5 X
K09V72S	17.6	0.15	K129U	321.787	77.365	63.365	22.389	0.11908	1.88225	4 X
K09WA5W	18.0	0.15	K129U	312.533	242.493	266.787	14.671	0.38686	2.17207	2 X
K10AC1C	13.3	0.15	K129U	36.560	314.879	132.212	13.125	0.04487	5.26732	6 X
K10AC2A	16.9	0.15	K129U	235.760	91.451	132.238	22.456	0.16789	2.34381	5 X
K10B00B	20.5	0.15	K129U	4.323	28.873	279.891	10.030	0.27752	0.81989	2 X
K10B05L	13.6	0.15	K129U	355.177	350.723	134.874	16.041	0.06102	5.31062	4 W
K10B35J	13.2	0.15	K129U	70.141	91.070	331.111	9.709	0.12748	5.18021	5 X
K10B72E	16.4	0.15	K129U	62.829	137.739	231.809	11.415	0.07091	2.51962	5 X
K10C36K	18.0	0.15	K129U	342.903	111.193	337.076	8.173	0.08526	2.22411	5 W
K10CH0X	17.5	0.15	K129U	166.081	279.354	5.135	3.550	0.17987	2.36175	6 X
K10D00A	20.3	0.15	K129U	99.826	122.163	162.389	20.527	0.56564	1.03065	3 X
K10E12G	18.0	0.15	K129U	319.917	201.128	267.077	6.179	0.12343	2.26251	5 W
K10E82N	17.7	0.15	K129U	341.207	345.571	82.969	3.592	0.18499	2.41278	4 X
K10EA9E	17.7	0.15	K129U	226.336	165.262	70.433	4.205	0.13260	2.33202	4 X
K10EB1M	18.4	0.15	K129U	315.018	337.447	165.396	2.261	0.07583	2.23551	6 X
K10F48Q	17.9	0.15	K129U	296.173	121.367	21.628	7.489	0.04015	2.33503	4 X
K10F83L	17.5	0.15	K129U	195.871	146.156	120.091	5.015	0.13813	2.35607	5 X
K10G35M	17.4	0.15	K129U	210.162	188.500	44.154	10.607	0.07374	2.39798	5 X
K10G72L	16.4	0.15	K129U	193.139	172.710	123.464	14.673	0.27597	2.58949	5 X
K10GB4Y	17.9	0.15	K129U	231.693	211.289	24.849	4.384	0.09203	2.32090	4 W
K10H56Y	15.5	0.15	K129U	131.800	67.869	249.315	15.171	0.09277	3.13082	4 X
K10H77R	18.1	0.15	K129U	335.863	129.006	6.338	1.932	0.08405	2.21881	6 X
K10HA5Y	16.9	0.15	K129U	351.187	211.153	212.699	4.737	0.04462	2.68056	5 X
K10HA8Y	16.2	0.15	K129U	245.860	99.360	92.499	14.153	0.10230	2.56442	7 X
K10J34F	16.4	0.15	K129U	144.874	270.947	32.102	11.436	0.19432	2.62286	4 X
K10J40S	16.4	0.15	K129U	278.149	64.770	76.939	14.731	0.08614	2.62230	3 X
K10J45J	17.1	0.15	K129U	56.790	308.570	85.817	6.153	0.10420	2.52829	7 X
K10J71R	17.8	0.15	K129U	229.754	173.558	74.329	5.568	0.19340	2.28520	5 X
K10J76Z	16.2	0.15	K129U	147.990	199.782	91.508	15.521	0.17533	2.71530	5 X
K10J99U	15.5	0.15	K129U	141.349	10.670	306.031	15.749	0.21650	3.13644	6 X
K10JH8F	16.5	0.15	K129U	217.279	311.476	249.228	9.666	0.08951	2.61206	3 X
K10K51E	15.4	0.15	K129U	95.615	228.256	153.862	14.715	0.13027	3.13534	4 X
K10K79Z	15.9	0.15	K129U	66.426	90.064	325.464	17.809	0.05894	3.03700	3 X
K10L60Z	16.2	0.15	K129U	176.422	179.833	99.430	14.325	0.06734	2.60415	6 W
K10M27E	15.7	0.15	K129U	216.060	276.331	335.372	15.850	0.16696	3.13646	6 X
K10M44G	15.3	0.15	K129U	178.485	352.376	311.461	17.322	0.11213	3.12794	4 X
K10M87E	16.1	0.15	K129U	177.880	312.198	345.106	9.334	0.04578	3.39485	2 X
K10P78V	15.7	0.15	K129U	114.172	43.504	325.435	9.042	0.12495	3.05083	4 X
K10TD3C	15.6	0.15	K129U	246.576	93.348	156.366	11.808	0.05385	3.18429	8 X
K10U79T	13.8	0.15	K129U	348.380	183.304	303.007	7.746	0.04741	5.20760	5 W
K10V78V	14.1	0.15	K129U	53.259	316.557	112.805	8.542	0.08906	5.12152	5 X
K10VG5K	14.1	0.15	K129U	351.388	82.178	50.354	6.965	0.14483	5.14626	5 X
K10X25T	13.3	0.15	K129U	64.983	341.802	72.881	28.756	0.03620	5.08754	4 X
K10X69L	19.5	0.15	K129U	242.689	108.578	94.658	12.669	0.21021	1.53046	2 X
K11C51L	15.9	0.15	K129U	310.988	335.653	326.438	8.778	0.08279	3.11827	5 X
K11G03K	13.4	0.15	K129U	89.103	274.441	121.594	10.522	0.04583	5.29293	4 X
K11G27Z	19.0	0.15	K129U	169.058	113.296	136.212	11.238	0.13378	1.87348	3 K
K11G62G	17.5	0.15	K129U	77.254	286.543	57.049	22.361	0.08804	1.86441	6 X
K11H00Q	21.0	0.15	K129U	245.120	145.020	70.391	11.916	0.30740	1.63710	2 W
K11H61G	17.9	0.15	K129U	352.230	348.193	89.009	24.439	0.01665	1.89060	2 X
K11J12U	16.4	0.15	K129U	60.353	262.745	56.993	26.083	0.13103	2.37480	2 X
K11K16S	15.8	0.15	K129U	57.115	214.848	139.690	22.743	0.30204	2.52612	6 X
K11L14A	17.8	0.15	K129U	0.580	347.926	79.944	23.795	0.06610	1.93029	4 X
K11L28M	16.2	0.15	K129U	80.995	33.219	301.585	10.321	0.29382	3.13366	3 X
K11M05L	16.2	0.15	K129U	97.636	42.311	253.622	31.647	0.17099	2.60448	3 X

K11M07J	16.1	0.15	K129U	62.148	96.614	264.626	23.689	0.20296	2.73018	4	X
K11O18L	16.8	0.15	K129U	69.011	215.131	157.083	6.681	0.14747	2.44274	5	X
K11O58O	15.3	0.15	K129U	63.935	279.803	87.301	26.399	0.31279	3.17261	6	X
K11P05F	17.0	0.15	K129U	121.278	44.632	281.681	5.406	0.19723	2.36414	4	X
K11P08R	16.5	0.15	K129U	337.707	125.171	337.276	24.194	0.13467	2.89058	3	X
K11P12R	17.1	0.15	K129U	104.479	252.886	69.868	6.725	0.13773	2.44689	5	X
K11Q01C	17.7	0.15	K129U	50.698	144.586	250.543	5.616	0.07508	2.42030	6	X
K11Q02K	17.8	0.15	K129U	132.231	4.830	323.731	5.608	0.13574	2.18499	6	X
K11Q16Y	16.9	0.15	K129U	76.071	52.956	323.471	6.036	0.13202	2.42660	5	X
K11Q22L	16.2	0.15	K129U	113.615	0.682	312.318	12.428	0.19576	2.65110	4	X
K11Q33O	16.8	0.15	K129U	66.196	39.156	338.353	9.659	0.18727	2.73221	4	W
K11Q38T	17.1	0.15	K129U	76.088	344.574	23.646	3.952	0.17215	2.46356	5	X
K11Q57O	15.6	0.15	K129U	39.587	259.552	141.042	17.420	0.26519	3.12850	3	X
K11Q73D	17.0	0.15	K129U	55.560	106.687	284.480	4.092	0.09483	2.41620	7	X
K11Q76U	16.6	0.15	K129U	298.272	176.277	342.203	12.065	0.12253	2.44456	6	X
K11Q78S	16.7	0.15	K129U	339.362	137.053	338.866	6.111	0.09797	2.43588	6	X
K11Q94F	16.4	0.15	K129U	326.890	163.493	314.972	8.316	0.10200	2.77649	5	X
K11Q94Q	17.5	0.15	K129U	65.691	56.753	324.092	6.573	0.23869	2.79296	4	X
K11Q98U	16.6	0.15	K129U	173.410	200.075	72.626	7.571	0.10255	2.49574	8	X
K11R00W	16.2	0.15	K129U	85.983	18.852	313.882	16.073	0.17488	3.13004	2	X
K11R02H	17.1	0.15	K129U	359.952	102.191	345.166	14.321	0.05782	2.60856	5	X
K11R19D	16.5	0.15	K129U	23.984	225.463	204.593	3.822	0.09819	2.86312	7	X
K11S27V	16.8	0.15	K129U	106.386	208.712	151.436	7.418	0.17430	2.33936	6	X
K11S35T	16.9	0.15	K129U	15.086	334.632	113.254	1.669	0.03989	2.78219	4	X
K11S36G	16.3	0.15	K129U	51.358	209.084	184.464	10.828	0.10964	3.21422	4	X
K11S37T	15.6	0.15	K129U	5.498	57.241	38.053	10.181	0.06817	3.10205	6	X
K11S40R	16.3	0.15	K129U	89.978	42.029	336.713	12.756	0.20136	2.60390	5	X
K11S49A	16.9	0.15	K129U	339.041	123.246	352.383	13.469	0.15457	2.77811	4	X
K11S51S	17.1	0.15	K129U	193.384	318.609	317.393	6.391	0.10372	2.27980	6	X
K11S52O	17.2	0.15	K129U	80.613	178.997	188.171	1.343	0.09675	2.76058	5	X
K11S64B	16.0	0.15	K129U	63.118	15.954	0.204	9.948	0.05578	3.12695	7	X
K11S66S	16.8	0.15	K129U	36.524	99.616	306.773	9.049	0.24201	3.11472	3	W
K11S71C	16.7	0.15	K129U	31.695	126.460	290.612	2.174	0.08449	2.76388	4	W
K11S75P	17.5	0.15	K129U	70.360	47.510	320.888	8.580	0.11578	2.67188	3	X
K11S86K	16.1	0.15	K129U	284.147	73.884	114.946	5.180	0.02377	2.75527	7	X
K11S87P	16.5	0.15	K129U	46.120	65.496	342.455	6.110	0.20797	3.12562	3	W
K11S91F	16.4	0.15	K129U	26.846	127.060	306.569	3.234	0.09291	3.11935	5	X
K11S92D	16.3	0.15	K129U	103.346	341.504	12.792	5.183	0.13379	2.77416	6	X
K11S97W	15.9	0.15	K129U	59.970	7.726	12.424	11.202	0.12051	3.01929	4	X
K11S98G	17.3	0.15	K129U	256.257	203.296	8.103	6.762	0.06148	2.35863	7	X
K11SA5D	16.5	0.15	K129U	100.819	60.896	304.498	5.335	0.04534	2.73273	3	X
K11SB1K	17.2	0.15	K129U	104.292	330.868	18.158	6.885	0.13712	2.45581	6	X
K11SB5E	15.8	0.15	K129U	88.868	152.702	187.070	12.254	0.13615	3.03535	7	X
K11SC0E	16.8	0.15	K129U	26.775	307.015	126.670	3.580	0.16746	2.73736	5	X
K11SC1X	16.6	0.15	K129U	72.544	343.633	19.780	8.652	0.17060	3.13996	3	X
K11SC6S	16.9	0.15	K129U	76.962	344.962	35.205	4.867	0.08177	2.76846	5	X
K11SC8X	18.2	0.15	K129U	267.442	87.253	130.579	2.925	0.08798	2.21838	6	X
K11SD2S	17.0	0.15	K129U	2.826	65.622	34.064	4.268	0.06203	2.76720	6	W
K11SD9F	17.3	0.15	K129U	195.320	246.438	10.412	9.909	0.06338	2.52655	5	X
K11SE1R	16.0	0.15	K129U	308.727	123.784	21.877	14.903	0.04806	2.97318	4	X
K11SE7Z	16.8	0.15	K129U	5.676	77.078	13.371	4.420	0.23218	3.17629	4	W
K11SF4Y	16.9	0.15	K129U	88.040	298.396	54.654	2.928	0.06598	2.86321	7	W
K11SG4M	16.1	0.15	K129U	79.499	334.379	29.916	11.210	0.04158	3.17894	3	X
K11SH4R	17.0	0.15	K129U	137.777	319.181	333.536	11.438	0.27199	2.43602	4	X
K11SH4Y	16.7	0.15	K129U	3.638	254.689	189.628	9.920	0.09890	3.11993	5	X
K11SH8O	16.4	0.15	K129U	89.187	2.145	345.743	5.964	0.09043	3.21477	5	X
K11SI8P	16.3	0.15	K129U	286.211	186.454	336.705	6.373	0.05924	2.92908	4	X
K11SJ4C	16.7	0.15	K129U	323.461	119.290	15.545	12.036	0.08510	2.76071	4	X
K11SK2B	17.1	0.15	K129U	45.125	24.485	1.718	10.045	0.11024	2.99144	3	X
K11SK6D	16.9	0.15	K129U	65.364	241.164	142.058	2.902	0.10960	3.01981	6	X
K11SK8S	16.1	0.15	K129U	22.249	88.730	325.260	8.906	0.09104	3.10347	5	X
K11SL1H	16.0	0.15	K129U	5.327	232.118	221.491	4.150	0.16672	3.19572	3	X
K11SL7P	15.8	0.15	K129U	20.955	236.312	181.226	12.143	0.14843	3.13412	4	X
K11SM2Z	16.1	0.15	K129U	83.179	200.425	153.056	12.898	0.15735	3.08710	7	X
K11SM5U	16.4	0.15	K129U	86.618	5.548	345.269	10.292	0.15282	3.10062	4	W
K11SO9O	16.1	0.15	K129U	62.420	312.718	75.777	10.769	0.10693	3.11740	6	X
K11SP4E	16.8	0.15	K129U	336.625	200.828	268.433	4.746	0.08302	2.70750	5	W
K11SP4F	17.4	0.15	K129U	133.601	322.855	332.604	12.980	0.22985	2.46253	4	X
K11SP8T	16.5	0.15	K129U	75.887	352.713	13.429	7.613	0.07646	2.76898	4	X
K11SP9Y	16.6	0.15	K129U	255.133	351.210	225.310	4.066	0.05953	2.73673	7	X
K11SR1Z	17.5	0.15	K129U	125.662	181.443	143.824	7.040	0.14268	2.38304	4	X
K11SR2D	16.1	0.15	K129U	55.741	64.270	311.090	8.597	0.11600	3.01063	4	X
K11SR4N	15.8	0.15	K129U	60.360	17.313	15.648	6.114	0.15995	3.13903	4	X
K11T03M	16.2	0.15	K129U	66.143	253.561	146.138	6.413	0.05803	2.81848	7	X
K11T10G	16.0	0.15	K129U	47.158	74.533	336.205	9.529	0.13109	3.15834	4	X
K11T15V	16.4	0.15	K129U	57.459	41.209	332.711	10.419	0.10383	3.09137	4	X
K11T16L	15.7	0.15	K129U	334.657	239.465	254.007	4.087	0.08074	3.25576	6	X

K11U01Y	16.9	0.15	K129U	123.961	332.839	7.580	6.301	0.06314	2.67803	6	X
K11U13N	17.0	0.15	K129U	271.234	263.194	307.720	6.658	0.06340	2.38302	4	X
K11U21Q	16.3	0.15	K129U	64.775	7.707	0.599	8.900	0.09245	3.17173	3	X
K11U29C	15.2	0.15	K129U	261.102	321.476	245.706	12.511	0.10105	3.24809	5	X
K11U31E	14.9	0.15	K129U	92.759	322.442	53.533	12.325	0.04022	3.09575	7	X
K11U32S	16.3	0.15	K129U	74.131	46.308	335.051	8.780	0.11631	2.88029	4	X
K11U32Y	16.1	0.15	K129U	96.626	57.098	299.059	5.097	0.06370	2.78342	6	X
K11U34H	17.0	0.15	K129U	56.283	88.107	307.231	0.973	0.06751	2.95184	3	X
K11U34W	16.7	0.15	K129U	340.785	188.887	291.570	2.347	0.03845	2.78291	6	X
K11U50F	16.0	0.15	K129U	249.827	160.876	53.671	10.050	0.02604	3.18095	6	X
K11U64J	16.4	0.15	K129U	94.629	255.746	111.029	3.547	0.12148	2.71014	6	W
K11U71W	16.4	0.15	K129U	77.277	37.496	350.334	4.024	0.07984	2.77376	6	X
K11U77Y	16.7	0.15	K129U	343.428	144.698	350.801	4.516	0.06015	2.87613	6	X
K11U78R	16.8	0.15	K129U	164.894	23.278	278.358	3.285	0.05356	2.78732	6	X
K11U86F	16.2	0.15	K129U	72.721	310.725	76.909	7.067	0.09015	2.88845	4	X
K11U98U	16.7	0.15	K129U	117.381	46.730	304.421	5.270	0.03826	2.81306	7	X
K11UA6P	16.2	0.15	K129U	72.492	75.940	299.952	15.282	0.11209	3.08851	5	X
K11UB5Y	16.1	0.15	K129U	143.086	297.417	12.863	12.971	0.03469	2.96537	5	X
K11UE1E	16.8	0.15	K129U	150.353	241.047	74.619	6.979	0.02918	2.74915	6	X
K11UH3O	16.4	0.15	K129U	136.656	179.672	148.852	6.463	0.02998	2.78989	5	X
K11UH5E	16.8	0.15	K129U	116.964	18.822	335.482	5.440	0.07517	2.71110	5	X
K11UH6A	17.0	0.15	K129U	189.946	289.676	348.885	6.615	0.16251	2.29761	4	X
K11UH8B	16.6	0.15	K129U	35.807	328.527	108.330	3.273	0.03960	3.07707	5	X
K11UI7Y	16.7	0.15	K129U	98.174	263.257	101.160	6.219	0.13317	2.72962	5	X
K11UJ0D	15.5	0.15	K129U	34.127	94.812	313.756	2.449	0.25662	3.97345	5	X
K11UJ0J	16.8	0.15	K129U	83.884	246.021	129.986	9.956	0.18102	2.78421	7	X
K11UK5U	16.3	0.15	K129U	16.567	316.637	132.288	11.866	0.10799	3.06634	4	X
K11UL2Z	17.0	0.15	K129U	249.509	285.926	289.879	4.589	0.01203	2.69250	5	W
K11UN5V	15.3	0.15	K129U	346.113	246.893	240.779	9.119	0.06994	3.09744	7	X
K11UO5P	16.1	0.15	K129U	214.389	196.898	57.220	9.922	0.04808	2.96317	5	X
K11UP7F	17.1	0.15	K129U	330.588	62.446	84.339	0.499	0.01033	2.77884	7	X
K11UT5H	17.0	0.15	K129U	91.639	58.512	296.495	3.506	0.09856	2.74260	7	X
K11UT6Q	15.7	0.15	K129U	71.218	339.917	49.883	10.543	0.07715	3.10715	4	X
K11UU7N	15.6	0.15	K129U	140.711	335.937	350.145	8.592	0.08384	2.94893	6	X
K11UU7T	16.0	0.15	K129U	340.620	52.827	71.950	11.037	0.07679	3.06015	5	X
K11UW2K	16.6	0.15	K129U	11.144	334.018	127.359	2.993	0.05267	2.86017	7	X
K11UW5T	16.7	0.15	K129U	186.127	288.054	356.275	6.208	0.02593	2.84700	8	X
K11Ua8J	16.5	0.15	K129U	89.407	310.145	45.933	9.269	0.09059	3.11136	3	X
K11Uc2X	16.1	0.15	K129U	22.709	93.473	351.623	8.585	0.03802	3.10337	4	X
K11Uc3J	17.0	0.15	K129U	111.143	51.463	316.298	5.361	0.05906	2.66973	4	X
K11Uc7C	15.8	0.15	K129U	291.891	44.591	133.440	9.971	0.03179	3.09706	5	W
K11Ud0Y	15.9	0.15	K129U	52.135	273.601	135.949	11.881	0.19284	3.14659	8	X
K11Ud1N	15.8	0.15	K129U	67.357	260.037	122.247	12.511	0.25638	3.34492	6	X
K11Ud1T	15.9	0.15	K129U	46.482	128.808	288.508	10.118	0.06824	3.10206	4	X
K11Ue5S	15.7	0.15	K129U	27.980	110.037	325.818	10.739	0.14162	3.20169	4	W
K11Ue7R	16.0	0.15	K129U	93.469	41.282	318.420	9.376	0.04643	3.10164	6	X
K11V08Q	15.4	0.15	K129U	57.729	8.040	354.931	17.025	0.32025	3.10058	6	X
K11V08Z	16.5	0.15	K129U	84.218	234.572	133.057	11.451	0.13272	3.01045	5	X
K11W13B	15.5	0.15	K129U	33.147	26.536	62.312	27.571	0.14657	3.17146	4	X
K11W33O	17.0	0.15	K129U	173.804	164.771	130.964	3.902	0.15930	2.60633	7	X
K11W37V	17.2	0.15	K129U	101.154	287.556	96.357	4.591	0.22528	2.59932	4	X
K11W54R	15.6	0.15	K129U	246.434	159.222	55.418	13.921	0.02365	3.13364	6	X
K11W65O	13.6	0.15	K129U	24.829	10.450	73.976	14.767	0.04461	5.11477	5	X
K11WA6T	15.4	0.15	K129U	74.257	168.892	206.928	10.081	0.08687	3.14042	6	X
K11WB3Q	14.0	0.15	K129U	336.905	192.696	307.389	5.182	0.08611	5.17252	2	W
K11WD6L	14.0	0.15	K129U	2.462	162.762	316.436	6.744	0.13841	5.21716	5	X
K11Y08N	13.8	0.15	K129U	66.984	287.120	133.759	9.839	0.08862	5.24641	5	X
K11Y47E	15.8	0.15	K129U	76.689	253.505	149.253	10.558	0.12874	3.04010	7	X
K11Y75H	13.8	0.15	K129U	94.602	261.028	133.808	8.392	0.07603	5.27651	4	X
K11Y78B	15.9	0.15	K129U	190.532	169.247	121.764	11.348	0.02906	3.06767	3	X
K12B57U	13.8	0.15	K129U	71.363	291.770	126.631	4.173	0.04047	5.19099	9	X
K12BD7O	17.6	0.15	K129U	332.335	277.176	324.820	6.198	0.10290	2.38058	5	X
K12D14A	24.4	0.15	K129U	299.999	271.077	147.262	10.337	0.10814	1.00184	2	W
K12S09W	15.9	0.15	K129U	355.205	48.465	341.208	10.676	0.23729	2.58389	5	X
K12S54S	16.4	0.15	K129U	25.181	323.470	41.259	10.219	0.10288	3.10664	3	X
K12S63P	17.4	0.15	K129U	355.477	81.339	323.630	8.853	0.42890	2.67023	3	X
K12T57W	17.7	0.15	K129U	351.659	12.363	26.352	2.870	0.18943	2.43390	4	X
K12T68P	16.7	0.15	K129U	354.831	356.784	38.962	3.302	0.22357	2.61031	5	X
K12T78L	16.5	0.15	K129U	21.749	72.906	270.666	16.205	0.37756	2.60739	3	X
K12TD2B	16.2	0.15	K129U	12.990	116.892	263.657	4.921	0.03528	2.71150	7	X
K12TG6S	18.2	0.15	K129U	336.629	170.380	253.964	1.073	0.18820	2.41856	4	X
K12TJ4R	17.2	0.15	K129U	336.781	13.226	57.725	4.872	0.25473	3.12857	4	X
K12TL6M	17.4	0.15	K129U	9.388	114.486	258.199	5.525	0.20947	2.40854	4	X
K12TM2W	16.7	0.15	K129U	315.730	45.082	53.115	5.548	0.20024	2.60197	5	X
K12TN0L	17.1	0.15	K129U	351.892	349.754	50.594	7.070	0.25181	2.61351	2	X
K12TS9P	16.0	0.15	K129U	26.809	101.448	240.803	23.832	0.31023	3.16260	4	X
K12TU5J	16.7	0.15	K129U	340.482	355.328	62.446	15.090	0.15161	2.60451	4	X

K12TU6V	17.3	0.15	K129U	6.875	301.868	69.245	5.637	0.30166	2.58385	3 X
K12TV1B	16.9	0.15	K129U	334.742	177.044	260.171	4.030	0.25779	2.60747	3 X
K12TV3X	16.3	0.15	K129U	308.536	44.193	53.839	9.187	0.10922	2.78326	5 X
K12TV7Y	15.6	0.15	K129U	319.221	209.434	244.620	26.031	0.17471	3.16076	3 X
K12TV7Z	16.0	0.15	K129U	0.464	315.987	74.069	15.036	0.27077	2.61596	3 X
K12U28Y	16.1	0.15	K129U	5.290	16.691	12.955	13.236	0.22455	2.56319	3 X
K12U330	16.7	0.15	K129U	9.059	320.528	54.688	8.757	0.22262	2.73519	2 X
K12U36C	16.9	0.15	K129U	13.885	174.418	201.448	0.534	0.17664	3.16737	2 X
K12U38P	17.0	0.15	K129U	36.909	80.579	253.398	5.483	0.21674	2.53761	6 X
K12U39U	17.9	0.15	K129U	11.330	126.591	244.877	3.172	0.14536	2.18645	5 X
K12U56F	15.9	0.15	K129U	68.848	305.496	11.035	3.891	0.10075	3.06994	6 X
K12U56J	16.4	0.15	K129U	24.688	75.463	292.775	2.495	0.05975	2.97434	7 X
K12U57C	16.3	0.15	K129U	336.383	170.986	256.341	4.216	0.13581	3.12708	6 X
K12U76R	17.4	0.15	K129U	354.842	335.634	60.931	3.652	0.17045	2.41205	4 X
K12UA2A	16.8	0.15	K129U	74.775	258.854	55.803	4.345	0.05220	2.74833	8 X
K12UD1H	16.5	0.15	K129U	8.047	345.913	38.132	7.109	0.08704	2.74221	5 X
K12UD2Y	16.7	0.15	K129U	9.897	301.518	74.781	13.852	0.25532	2.35589	4 X
K12UD4X	16.4	0.15	K129U	328.101	198.679	252.887	8.391	0.17278	2.68271	4 X
K12UE7V	17.0	0.15	K129U	338.412	140.942	279.082	2.091	0.07070	2.77284	6 X
K12UF0P	16.8	0.15	K129U	265.162	237.056	260.274	2.314	0.03340	2.76026	7 X
K12UF5Z	16.1	0.15	K129U	329.705	22.748	58.595	12.969	0.22522	3.16719	3 X
K12UG1B	16.7	0.15	K129U	314.435	207.496	246.941	10.830	0.17991	2.50387	3 X
K12V07P	17.2	0.15	K129U	282.212	226.708	250.230	18.771	0.08338	1.92538	3 X
K12V40H	16.0	0.15	K129U	298.735	230.873	247.130	12.354	0.04431	2.68107	6 X
K12V46C	17.0	0.15	K129U	29.301	268.740	101.643	6.166	0.18445	2.69800	4 X
K12V68K	17.9	0.15	K129U	336.497	6.995	57.040	3.311	0.18357	2.34633	4 X
K12V73S	16.1	0.15	K129U	351.387	347.092	74.629	13.802	0.15528	3.13259	2 X
K12V74Z	15.9	0.15	K129U	175.722	145.106	96.543	6.171	0.07844	3.06611	5 X
K12V89N	18.0	0.15	K129U	354.383	329.142	77.891	3.433	0.20035	2.40758	3 X
K12V90V	18.2	0.15	K129U	302.642	46.157	76.402	4.736	0.18588	2.34496	3 X
K12V92J	17.4	0.15	K129U	343.162	342.501	81.804	6.452	0.13718	2.25508	2 X
K12V92N	16.4	0.15	K129U	20.686	297.197	83.176	6.518	0.13718	2.59874	5 X
K12V93N	16.5	0.15	K129U	328.166	21.406	73.346	14.775	0.21692	2.65139	6 X
K12V93S	16.2	0.15	K129U	324.560	12.775	85.618	11.134	0.10953	3.11071	3 X
K12V93U	17.4	0.15	K129U	296.474	31.599	96.600	5.682	0.13723	2.30953	6 X
K12V96S	15.9	0.15	K129U	12.523	314.638	83.540	10.576	0.11008	3.13069	3 X
K12V96V	15.8	0.15	K129U	105.786	214.511	89.271	9.479	0.06972	2.81750	7 X
K12V97V	15.3	0.15	K129U	13.239	310.632	78.732	17.794	0.12061	3.04065	8 X
K12VA2V	17.7	0.15	K129U	331.525	185.072	261.163	4.471	0.21549	2.61097	3 X
K12W15B	17.0	0.15	K129U	32.645	258.285	99.420	5.143	0.21286	2.55099	3 X
K12W15Y	17.5	0.15	K129U	12.848	292.275	86.701	6.034	0.26210	2.61111	2 X
K12X02V	17.1	0.15	K129U	24.805	275.013	84.166	7.458	0.27783	2.55074	5 X
K12X04L	17.2	0.15	K129U	349.447	330.368	95.123	10.025	0.08983	2.68193	4 X
K12X08C	15.5	0.15	K129U	1.029	335.507	73.142	11.147	0.10929	3.01567	5 X
K12X10H	17.1	0.15	K129U	4.232	140.605	255.433	7.170	0.30453	2.77906	3 X
K12X16D	17.3	0.15	K129U	348.782	319.889	97.676	8.675	0.15951	2.24953	5 X
K12X22B	16.0	0.15	K129U	238.089	104.800	72.985	14.456	0.01840	3.04905	5 X
K12X50A	16.7	0.15	K129U	48.713	239.744	106.752	3.503	0.16797	2.57935	5 X
K12X50B	16.3	0.15	K129U	313.886	232.517	238.459	8.663	0.11277	2.96978	2 X
K12X53B	16.9	0.15	K129U	358.533	335.522	97.721	9.922	0.24746	2.63556	3 X
K12X53M	16.9	0.15	K129U	216.835	136.539	100.551	9.124	0.06542	2.34703	6 X
K12X540	16.3	0.15	K129U	21.879	301.570	81.607	16.510	0.10585	2.59349	4 X
K12X58G	18.0	0.15	K129U	337.654	335.716	102.189	3.474	0.17188	2.46435	3 X
K12X58N	15.6	0.15	K129U	242.522	301.663	236.656	8.380	0.03902	3.07766	5 X
K12X62M	17.9	0.15	K129U	349.909	333.558	91.615	16.519	0.26809	3.00781	3 X
K12X67T	17.2	0.15	K129U	335.137	81.777	16.537	6.967	0.22261	2.29362	3 X
K12X83Y	15.8	0.15	K129U	25.763	316.915	95.965	12.734	0.14548	3.08986	4 X
K12XB0Q	15.4	0.15	K129U	31.593	93.307	297.152	24.534	0.26725	3.17071	4 X
K12XB4T	17.1	0.15	K129U	352.306	10.888	74.764	5.063	0.23832	2.61887	5 X
K12XC0G	13.2	0.15	K129U	13.626	23.584	69.233	5.665	0.02804	5.25592	7 X
K12XD5G	17.3	0.15	K129U	33.228	264.213	101.172	7.150	0.13196	2.32251	2 X
K12XD5J	16.4	0.15	K129U	54.948	250.489	84.783	14.154	0.22090	2.80070	2 X
K12XD5M	16.3	0.15	K129U	358.423	325.833	90.687	9.259	0.13388	3.11410	5 X
K12XD5P	15.4	0.15	K129U	131.687	40.313	244.518	14.900	0.01429	3.04214	4 X
K12XD6F	16.7	0.15	K129U	357.808	166.904	276.536	17.350	0.28121	3.09340	2 X
K12XD6R	17.1	0.15	K129U	335.366	358.243	78.882	13.681	0.12295	2.34968	4 X
K12XE0G	18.4	0.15	K129U	333.558	323.668	116.979	2.084	0.15395	2.39121	4 X
K12XE3V	16.7	0.15	K129U	77.908	80.753	232.812	8.103	0.20541	2.80340	6 X
K12XE3X	17.7	0.15	K129U	319.296	351.534	114.279	2.301	0.20511	2.56129	3 X
K12XE7W	16.9	0.15	K129U	344.065	335.772	93.214	7.290	0.11261	2.42173	5 X
K12XE9N	15.5	0.15	K129U	105.574	220.253	83.685	14.111	0.07404	3.13715	4 X
K12XF1Q	17.4	0.15	K129U	281.756	318.167	223.396	4.849	0.17451	2.38016	3 X
K12XF2Z	16.3	0.15	K129U	18.678	300.819	86.501	9.556	0.16624	3.01138	3 X
K12Y07O	15.8	0.15	K129U	338.318	242.905	233.651	7.773	0.23684	2.89907	5 X
K13A06U	16.0	0.15	K129U	335.763	4.677	89.053	22.949	0.01521	2.65711	4 X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K12TV7W	16.0	0.15	K129U	323.327	212.642	242.243	27.736	0.25131	3.16144	91	X
K12UA9L	17.8	0.15	K129U	356.155	128.430	268.405	1.076	0.21382	2.64316	134	X
K12V06L	20.8	0.15	K129U	346.811	18.612	19.797	8.815	0.56765	2.34024	66	X
K12V18M	18.4	0.15	K129U	22.711	267.541	70.341	8.933	0.42903	2.60712	50	S
K12V93V	17.5	0.15	K129U	355.067	145.606	314.209	25.007	0.49129	2.23725	57	X
K12X06Y	19.0	0.15	K129U	300.292	173.240	348.427	7.789	0.49108	2.00825	36	X
K12X16K	22.5	0.15	K129U	357.151	110.198	255.008	23.381	0.18844	1.16861	34	X
K12X17F	21.2	0.15	K129U	343.976	147.813	284.695	1.037	0.48700	2.27264	34	X
K12X55D	19.8	0.15	K129U	354.978	123.634	262.438	22.917	0.64917	2.62206	33	X
K12X55J	21.7	0.15	K129U	330.994	74.757	3.276	4.559	0.42808	1.93491	108	X
K12X55Q	23.0	0.15	K129U	324.362	182.522	262.534	8.219	0.38578	1.66074	31	X
K12X93S	19.8	0.15	K129U	209.829	326.877	289.329	21.846	0.73505	1.13934	31	X
K12XB2D	21.2	0.15	K129U	265.126	76.645	97.920	3.720	0.36595	1.32401	30	X
K12XB2F	19.8	0.15	K129U	342.319	169.394	300.143	10.928	0.63422	3.20578	30	X
K12XD4S	18.4	0.15	K129U	17.323	290.408	73.811	20.375	0.47015	2.16816	28	X
K12XE5K	19.8	0.15	K129U	343.832	182.319	291.244	9.358	0.60718	3.36793	27	X
K12Y01R	26.8	0.15	K129U	339.219	341.994	81.290	2.529	0.52770	2.04168	20	X
K12Y03P	25.7	0.15	K129U	311.443	5.553	91.409	2.228	0.30037	1.49913	20	X
K12Y03Q	22.1	0.15	K129U	332.775	47.264	94.486	8.252	0.60677	2.80670	19	X
K12Y06P	21.3	0.15	K129U	16.756	72.535	273.924	22.279	0.21858	1.22317	17	X
K13A04D	24.0	0.15	K129U	310.540	216.587	284.522	11.078	0.49100	1.83773	6	X
K13A04E	20.9	0.15	K129U	354.537	272.993	116.236	8.753	0.70549	2.76637	7	X
K13A11H	19.3	0.15	K129U	340.758	158.351	280.634	28.368	0.52213	2.28157	6	X
K13A11J	23.4	0.15	K129U	298.408	207.870	281.120	23.733	0.33374	1.57853	3	X
K13A11L	23.1	0.15	K129U	313.251	334.666	111.845	4.425	0.29585	1.45817	3	X
K13A200	21.7	0.15	K129U	318.524	177.127	279.550	26.024	0.35295	1.65544	3	X
K13A270	19.9	0.15	K129U	347.923	189.691	138.408	4.384	0.87722	2.46875	4	X
K13A27S	21.4	0.15	K129U	358.052	253.188	105.252	33.462	0.22798	1.10305	2	X
K13A27U	18.8	0.15	K129U	304.762	169.108	297.052	32.611	0.24727	1.43959	3	X
K13A32A	19.2	0.15	K129U	349.515	20.588	0.897	6.276	0.74391	2.29908	3	W
K13A32B	23.0	0.15	K129U	314.886	43.039	117.255	8.342	0.56864	2.20648	2	X
K13A32C	23.9	0.15	K129U	302.754	179.938	291.293	36.088	0.24965	1.46500	1	K
K13A32D	25.2	0.15	K129U	342.787	37.965	356.500	1.349	0.60000	1.96511	1	K

New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K12Q49Q	17.3	0.15	K129A	79.695	80.874	162.729	15.263	0.10776	2.59881	52	X
K12T54M	15.8	0.15	K12B9	37.653	107.627	250.877	10.168	0.11674	3.12236	95	X
K12T55B	15.5	0.15	K12B9	332.456	205.296	238.599	12.925	0.17629	3.09538	95	X
K12TJ4J	17.3	0.15	K12B9	353.218	2.156	54.769	4.333	0.31201	2.78551	91	X
K12TV4P	15.6	0.15	K12B9	0.957	155.058	254.323	12.057	0.14783	2.64123	86	X
K12U51J	17.4	0.15	K12B9	309.644	76.817	41.589	4.518	0.21135	2.67038	85	X
K12U80G	17.0	0.15	K12B9	340.818	173.641	257.097	7.700	0.15926	2.62118	91	X
K12UE7S	15.3	0.15	K12BT	13.716	157.504	238.863	9.868	0.00674	3.12020	82	X
K12UH3Z	16.6	0.15	K12BT	11.312	328.321	80.098	18.551	0.48085	3.04411	73	W
K12V43P	16.6	0.15	K12BT	18.226	138.108	250.433	11.060	0.32371	2.62542	74	X
K12V74Y	16.6	0.15	K12BT	342.254	348.947	98.666	5.262	0.07241	2.77855	57	X
K12V81W	16.4	0.15	K12BT	318.178	219.813	244.437	21.148	0.12578	2.79628	55	X
K12V84P	16.2	0.15	K12BT	280.358	266.304	250.804	22.904	0.06044	2.98512	63	X
K12V90O	18.0	0.15	K12BT	6.266	340.065	76.134	3.375	0.13734	2.24823	75	X
K12V96Z	17.0	0.15	K12BT	295.017	48.302	92.092	7.395	0.05471	2.40150	64	X
K12V99R	17.4	0.15	K12BT	18.303	313.157	79.463	7.169	0.24672	2.63377	63	X
K12W06A	18.6	0.15	K12BT	345.569	13.859	72.367	0.805	0.20043	2.39092	65	X
K12W21X	15.9	0.15	K12BT	257.139	288.388	255.471	12.338	0.15017	2.65866	74	X
K12W22H	15.6	0.15	K12BT	57.791	115.511	249.524	15.109	0.02143	3.16302	74	X
K12W27K	16.2	0.15	K12BT	27.813	132.570	256.093	12.598	0.20096	2.62437	57DX	
K12W27Q	15.4	0.15	K12BT	34.399	134.207	255.110	21.060	0.03046	2.68493	46	X
K12X00J	17.5	0.15	K12CJ	253.592	294.196	258.295	18.024	0.09443	1.93711	37	X
K12X00Z	17.0	0.15	K12CJ	329.688	227.358	242.594	5.247	0.10330	2.65202	38	X
K12X02F	15.2	0.15	K12CJ	12.057	331.180	90.037	12.248	0.03970	3.04767	37	W
K12X02T	17.6	0.15	K12BT	0.736	329.423	95.968	6.208	0.13408	2.30384	63	X
K12X06M	17.5	0.15	K12BT	38.863	263.813	98.299	7.139	0.28535	2.54802	63	X
K12X06W	18.3	0.15	K12CJ	278.196	266.304	263.058	19.425	0.09639	1.78071	35	X
K12X07Z	15.9	0.15	K12BT	26.931	314.469	75.263	11.808	0.14187	3.03475	66DX	
K12X08R	16.7	0.15	K12BT	3.986	341.431	75.949	11.829	0.22663	3.13337	63	X
K12X28F	17.0	0.15	K12BT	331.452	214.364	255.301	11.544	0.17645	2.64680	63	X
K12X47W	17.4	0.15	K12CJ	236.607	127.117	99.224	24.538	0.04776	1.97841	36	W
K12X48D	17.6	0.15	K12CJ	268.700	230.182	322.413	4.601	0.02658	2.27719	36	W
K12X49U	16.0	0.15	K12B9	89.929	232.549	86.562	11.095	0.12664	2.78638	84	X
K12X53C	17.4	0.15	K12CJ	348.606	21.581	97.675	14.862	0.18327	2.61757	34	X
K12X83T	17.7	0.15	K12CJ	27.399	124.503	301.593	7.893	0.14524	2.41080	34	X
K12XA4H	16.8	0.15	K12CJ	6.078	13.399	84.486	13.811	0.12486	2.61086	34	X
K12XA6K	17.6	0.15	K12CJ	33.053	319.624	99.882	12.426	0.17629	2.56778	33	X
K12XB0W	17.7	0.15	K12BT	6.657	356.777	90.878	24.074	0.05511	1.93739	57	W
K12XB6S	16.5	0.15	K12CJ	26.512	157.666	245.099	11.542	0.08613	2.63488	32	X
K12XB6T	16.0	0.15	K12CJ	307.277	244.697	243.510	10.253	0.03177	3.12231	32	X

K12XB7V	17.0	0.15	K12CJ	334.024	43.580	85.299	22.379	0.05887	2.75069	32 W
K12XB8A	16.3	0.15	K12CJ	326.868	64.529	69.754	11.034	0.01021	2.98479	32 X
K12XB8B	17.1	0.15	K12CJ	51.449	81.447	321.132	6.532	0.05647	2.79277	32 W
K12XB8E	18.3	0.15	K12CJ	40.107	354.777	56.677	6.400	0.08640	2.31302	32 W
K12XB8P	18.3	0.15	K12CJ	338.256	172.154	313.632	4.632	0.13633	2.25370	32 W
K12XB9S	18.7	0.15	K12CJ	309.305	77.554	86.658	14.824	0.11331	1.78807	32 W
K12XB9W	16.2	0.15	K12CJ	160.536	344.969	320.492	9.346	0.11082	2.54271	32 X
K12XC0F	17.3	0.15	K12CJ	15.354	117.239	328.258	4.299	0.12892	2.45623	32 X
K12XC0J	15.3	0.15	K12CJ	340.278	199.826	294.594	26.395	0.13079	3.17677	32 X
K12XC0O	17.5	0.15	K12BT	352.564	8.143	74.239	14.944	0.22340	2.68341	63 S
K12XC0Q	17.5	0.15	K12BT	9.127	152.744	256.772	2.401	0.24561	2.56125	65 X
K12XC3X	16.8	0.15	K12CJ	34.861	163.438	223.361	11.966	0.22543	3.12511	44 S
K12XC6E	18.0	0.15	K12CJ	6.182	352.517	84.842	5.029	0.17836	2.21359	30 X
K12XC7J	17.2	0.15	K12BT	339.324	12.530	86.196	15.600	0.22033	2.67343	56 X
K12XD5H	15.9	0.15	K12CJ	291.139	57.547	86.206	17.489	0.03193	3.08146	36 X
K12XD5O	15.9	0.15	K12CJ	15.027	189.824	223.741	4.146	0.14780	3.08285	37 X
K12XE1R	16.8	0.15	K12CJ	33.350	165.139	224.459	4.508	0.15742	3.10559	37 W
K12XE4N	16.6	0.15	K12CJ	8.271	139.749	310.210	32.065	0.17839	2.63436	30 S
K12XF1M	16.4	0.15	K12CJ	308.732	77.456	102.679	26.504	0.22950	3.19187	32 S
K12XF2L	17.8	0.15	K12CJ	320.215	132.167	190.449	4.349	0.19322	2.33327	28 X
K12XF2V	16.5	0.15	K12CJ	259.877	109.633	84.891	8.761	0.07634	2.65471	27 W
K12XF3S	14.7	0.15	K12CJ	174.993	280.274	35.988	6.508	0.03133	5.26519	29 X
K12Y00N	17.6	0.15	K12BT	20.591	145.425	253.366	13.088	0.20263	2.63825	66 X
K12Y02Q	16.0	0.15	K12BT	346.049	3.590	84.304	14.649	0.14182	3.00697	63 X
K12Y02V	18.6	0.15	K12CJ	341.868	44.563	99.713	35.038	0.45020	2.59585	20 S
K12Y02Y	13.6	0.15	K12CJ	42.239	234.684	222.532	6.475	0.04685	5.03466	22 X
K12Y03K	18.5	0.15	K12BT	75.321	268.664	89.804	23.300	0.16005	1.87041	50 X
K12Y04L	17.0	0.15	K12CJ	74.326	271.053	103.238	10.364	0.13679	2.69272	32 S
K12Y05P	16.9	0.15	K12CJ	274.120	234.082	322.029	15.409	0.08867	2.00299	18 W
K12Y06B	17.9	0.15	K12CJ	332.999	193.663	310.830	3.815	0.05766	2.70352	21 X
K13A00G	15.7	0.15	K12CJ	314.755	227.286	308.348	22.566	0.29517	2.43970	8 X
K13A02C	17.3	0.15	K12CJ	5.467	270.078	184.536	6.110	0.28466	2.78680	6 X
K13A03D	17.1	0.15	K12CJ	80.992	294.624	71.454	4.850	0.11896	2.77709	6 X
K13A07K	17.8	0.15	K12CJ	358.385	3.873	109.550	4.073	0.18140	2.43793	6 X
K13A07M	16.5	0.15	K12CJ	71.813	271.083	129.520	7.426	0.09216	2.74903	6 X
K13A07P	16.4	0.15	K12CJ	24.755	318.974	123.737	11.283	0.21852	3.15222	6 X
K13A07S	15.6	0.15	K12CJ	69.140	96.243	308.540	16.981	0.09816	3.20558	6 X
K13A07T	17.4	0.15	K12CJ	332.424	213.818	306.576	6.676	0.20123	2.79113	6 X
K13A07X	17.9	0.15	K12CJ	37.617	309.152	120.783	4.814	0.10997	2.22792	6 X
K13A08B	16.2	0.15	K12CJ	272.561	297.629	292.199	3.775	0.15494	3.18280	6ES
K13A08G	16.1	0.15	K12CJ	277.421	290.052	305.276	7.318	0.27166	2.83526	6 X
K13A08H	16.3	0.15	K12CJ	295.188	274.907	294.733	7.954	0.20331	3.02669	6 X
K13A08K	18.4	0.15	K12CJ	338.717	7.032	135.577	2.426	0.11498	2.41975	6 X
K13A08L	17.6	0.15	K12CJ	333.912	214.276	294.538	5.372	0.10058	2.46745	6 X
K13A08Z	18.7	0.15	K12CJ	335.303	90.605	44.195	2.957	0.14892	2.27831	6 X
K13A09E	18.2	0.15	K12CJ	26.961	80.935	344.584	6.015	0.29100	2.42048	6 X
K13A09G	17.7	0.15	K12CJ	48.239	91.357	315.793	21.431	0.21195	2.26133	6 X
K13A09H	17.2	0.15	K12CJ	0.836	115.036	4.682	6.558	0.05958	2.45457	6 X
K13A09J	16.6	0.15	K12CJ	316.228	107.985	65.808	5.721	0.08996	2.71494	6 X
K13A09S	16.4	0.15	K12CJ	35.534	119.622	276.647	9.091	0.17795	3.10934	5 X
K13A09U	16.8	0.15	K12CJ	4.086	358.468	83.506	14.055	0.05609	2.74019	5 X
K13A10C	16.4	0.15	K12CJ	70.558	316.818	41.045	1.909	0.15227	2.85368	5ES
K13A10L	16.1	0.15	K12CJ	101.354	248.633	106.372	14.612	0.15948	2.92640	5 X
K13A10U	15.8	0.15	K12CJ	13.494	339.639	126.908	10.600	0.00327	3.11491	5 X
K13A11M	15.7	0.15	K12CJ	341.121	42.876	99.578	19.040	0.19281	3.14430	4 X
K13A11O	17.9	0.15	K12CJ	236.091	295.628	280.443	17.232	0.04610	1.86489	33 X
K13A12E	17.9	0.15	K12CJ	341.003	84.702	47.039	6.912	0.16860	2.24860	6 X
K13A13L	15.7	0.15	K12CJ	131.208	217.008	113.951	13.316	0.10171	2.95725	6 X
K13A16K	17.8	0.15	K12CJ	359.628	115.841	342.082	2.790	0.15029	2.38292	5 X
K13A17P	16.4	0.15	K12CJ	335.530	199.088	302.672	23.855	0.05278	2.60891	4 X
K13A18S	16.6	0.15	K12CJ	35.816	122.754	301.596	12.901	0.17284	3.16010	4 X
K13A19V	17.8	0.15	K12CJ	323.074	210.136	311.112	20.073	0.09876	1.90806	4 X
K13A20J	16.3	0.15	K1318	13.366	55.592	301.265	16.146	0.36994	2.45519	4 W
K13A20S	16.9	0.15	K12CJ	4.851	118.481	333.430	9.653	0.22478	2.38387	6 X
K13A20U	16.7	0.15	K12CJ	17.899	36.332	41.143	9.196	0.19650	2.88400	6 X
K13A20V	17.3	0.15	K12CJ	25.615	86.667	330.208	11.622	0.27852	2.66924	6 X
K13A21Y	17.8	0.15	K12CJ	3.811	156.292	283.302	2.607	0.20383	2.56600	5 X
K13A22H	16.1	0.15	K12CJ	66.221	274.441	130.398	11.861	0.16846	3.25911	4ES
K13A22Q	18.7	0.15	K12CJ	334.678	21.905	124.294	24.832	0.07008	1.97394	3 X
K13A24C	16.6	0.15	K1318	202.581	297.838	325.646	9.119	0.07274	3.02547	3 X
K13A24P	17.8	0.15	K12CJ	354.557	5.192	87.315	5.895	0.05277	2.15572	5 X
K13A27E	19.4	0.15	K1318	353.643	29.066	89.199	17.843	0.19269	2.56926	2ES
K13A27F	16.6	0.15	K1318	184.419	164.088	123.283	7.606	0.24948	2.78644	2ES
K13A27G	18.7	0.15	K1318	42.715	248.308	160.560	1.705	0.19476	2.48488	2ES
K13A28Q	16.5	0.15	K12CJ	342.283	54.832	86.263	14.984	0.20265	2.71858	4 X
K13A29N	14.5	0.15	K1318	96.864	216.753	97.583	7.860	0.22525	3.03468	2ES
K13A30F	16.5	0.15	K1318	331.269	152.738	348.153	10.036	0.10908	3.01062	2 X

K13A30G	17.4	0.15	K1318	335.016	89.265	46.420	10.546	0.08511	3.18427	2 X
K13A31T	15.7	0.15	K1318	231.823	182.546	64.542	10.442	0.19298	3.05090	2 S
K13A31V	17.3	0.15	K1318	223.133	15.404	244.182	2.177	0.19152	2.34948	2 S
K13A31W	16.9	0.15	K1318	325.825	109.637	42.024	7.916	0.12779	3.11189	2 S
K13A31X	17.9	0.15	K12BT	21.390	87.801	336.694	18.387	0.11448	1.92322	75 W
K13A31Y	20.2	0.15	K12CJ	352.228	244.602	228.538	6.056	0.30715	1.99794	28 S
K13A47D	19.0	0.15	K12CJ	99.136	55.343	294.594	19.319	0.07123	1.88284	8 W
K13A47O	17.4	0.15	K1318	235.211	294.572	296.170	25.851	0.03571	2.65895	3 W

New observations:

K01Y01F	C2013	01	07.28496	11	34	59.59	-24	06	44.5	20.2	VuEA051807
K01Y01F	C2013	01	07.28725	11	34	59.98	-24	06	53.8	20.0	VuEA051807
K01Y01F	C2013	01	07.28954	11	35	00.35	-24	07	02.7	20.1	VuEA051807
K01Y01F	C2013	01	07.29182	11	35	00.72	-24	07	11.4	20.1	VuEA051807
K01Y01F	C2013	01	07.29410	11	35	01.09	-24	07	20.4	20.1	VuEA051807
K01Y01F	C2013	01	09.24111	11	40	35.68	-26	15	14.9	19.9	VuEA051807
K01Y01F	C2013	01	09.24378	11	40	36.11	-26	15	25.3	20.2	VuEA051807
K01Y01F	C2013	01	09.24644	11	40	36.57	-26	15	36.1	20.1	VuEA051807
K01Y01F	C2013	01	09.24911	11	40	37.04	-26	15	46.7	20.2	VuEA051807
K01Y01F	C2013	01	09.25125	11	40	37.41	-26	15	55.2	20.1	VuEA051807
K01Y02M	HC2013	01	09.13007	05	14	18.77	+24	46	47.6	20.0	VoEA051691
K01Y02M	HC2013	01	09.15397	05	14	20.26	+24	47	01.8	20.0	VoEA051691
K01Y03T	C2013	01	09.52452	11	27	05.94	+03	56	34.6	21.6	VrEA051G96
K01Y03T	C2013	01	09.52853	11	27	06.40	+03	56	30.3	21.7	VrEA051G96
K01Y03T	C2013	01	09.53250	11	27	06.87	+03	56	25.5	21.1	VrEA051G96
K01Y03T	C2013	01	09.53644	11	27	07.30	+03	56	20.5	20.9	VrEA051G96
K02A01Y	C2013	01	09.07758	00	35	46.28	+24	17	00.1	16.7	cEA051704
K02A01Y	C2013	01	09.09023	00	35	40.88	+24	06	28.9	17.3	cEA051704
K02A01Y	C2013	01	09.10305	00	35	35.45	+23	55	49.6	17.7	cEA051704
K02A01Y	C2013	01	09.11581	00	35	30.12	+23	45	14.8	17.9	cEA051704
K02A01Y	C2013	01	09.12863	00	35	24.85	+23	34	37.3	17.8	cEA051704
K02D03U	C2013	01	08.52882	08	30	03.523+50	59	41.92		20.7	gLEA051F51
K02D03U	C2013	01	08.54022	08	30	01.273+50	59	53.88		20.8	gLEA051F51
K04X14N	C2013	01	09.12509	02	08	56.22	-04	18	25.2	19.9	VrEA051703
K04X14N	C2013	01	09.13196	02	08	56.32	-04	18	10.9	19.4	VrEA051703
K04X14N	C2013	01	09.13876	02	08	56.40	-04	17	58.7	20.0	VrEA051703
K04X14N	C2013	01	09.14567	02	08	56.54	-04	17	44.9	20.3	VrEA051703
K05R33N	C2013	01	09.35131	09	39	18.32	+20	36	49.4	20.7	VoEA051691
K05R33N	C2013	01	09.37214	09	39	17.24	+20	37	08.3	20.6	VoEA051691
K05R33N	C2013	01	09.39055	09	39	16.23	+20	37	24.8	20.8	VoEA051691
K07A12G	JC2013	01	09.40811	10	05	33.01	+12	24	43.0	20.7	RoEA051695
K07A12G	JC2013	01	09.41247	10	05	31.95	+12	24	37.4	20.7	RoEA051695
K07A12G	JC2013	01	09.41663	10	05	30.96	+12	24	32.1	20.6	RoEA051695
K07A12G	JC2013	01	09.42094	10	05	29.91	+12	24	26.5	20.6	RoEA051695
K07A12G	HC2013	01	09.45643	10	05	21.38	+12	23	39.7	20.8	VoEA051691
K07A12G	HC2013	01	09.49207	10	05	12.78	+12	22	53.1	20.6	VoEA051691
K07E00S	KC2013	01	09.54503	11	34	29.47	+16	54	49.2	21.6	RoEA051291
K07E00S	KC2013	01	09.55042	11	34	29.21	+16	54	48.8	21.4	RoEA051291
K08X02E	C2013	01	09.14235	02	52	14.59	+33	56	33.4	19.5	cEA051704
K08X02E	C2013	01	09.15573	02	52	16.72	+33	56	47.6	19.5	cEA051704
K08X02E	C2013	01	09.16862	02	52	18.69	+33	57	00.5	20.3	cEA051704
K08X02E	C2013	01	09.18153	02	52	20.68	+33	57	15.4	20.1	cEA051704
K08X02E	C2013	01	09.19455	02	52	22.76	+33	57	28.8	19.5	cEA051704
K10B00B	KC2013	01	08.04486102	06	59.07	+06	30	59.4		17.4	VqEA051H21
K10B00B	KC2013	01	08.05021702	07	01.63	+06	30	45.4		18.1	VqEA051H21
K10B00B	KC2013	01	08.05537602	07	04.11	+06	30	31.8		17.9	VqEA051H21
K10B00B	KC2013	01	08.06011002	07	06.38	+06	30	19.1		17.9	VqEA051H21
K10D00A	C2013	01	07.23507	07	29	30.71	-17	20	20.2	21.7	VuEA051807
K10D00A	C2013	01	07.24776	07	29	28.59	-17	20	14.2	21.8	VuEA051807
K10D00A	C2013	01	07.25960	07	29	26.56	-17	20	08.5	21.8	VuEA051807
K10X69L	C2013	01	09.25829	08	46	15.27	+31	21	55.8	19.8	VrEA051703
K10X69L	C2013	01	09.26392	08	46	14.88	+31	22	06.9	20.0	VrEA051703
K10X69L	C2013	01	09.26958	08	46	14.73	+31	22	16.7	20.0	VrEA051703
K10X69L	C2013	01	09.27524	08	46	14.48	+31	22	28.1	19.7	VrEA051703
K11H00Q	KC2013	01	09.51134	08	15	10.50	+40	44	15.9		oEA051291
K11H00Q	KC2013	01	09.52184	08	15	09.55	+40	44	29.0	21.5	RoEA051291
K11H00Q	KC2013	01	09.53233	08	15	08.53	+40	44	42.9	21.3	RoEA051291
K12D14A	C2013	01	09.04356	23	32	36.395-67	13	54.16		23.4	rcEA051304
K12D14A	C2013	01	09.04853	23	32	37.021-67	13	55.01		23.5	rcEA051304
K12D14A	C2013	01	09.05349	23	32	37.640-67	13	56.00		23.4	rcEA051304
K12V06L	JC2013	01	09.22924	02	36	05.14	+45	00	31.7	20.3	RoEA051695
K12V06L	JC2013	01	09.23487	02	36	07.31	+45	00	34.4	20.3	RoEA051695
K12V06L	JC2013	01	09.24598	02	36	11.76	+45	00	40.1	20.3	RoEA051695
K12V93V	C2013	01	09.31329	13	28	22.73	-26	56	04.1	20.2	VuEA051807
K12V93V	C2013	01	09.31735	13	28	23.06	-26	56	11.5	20.3	VuEA051807
K12V93V	C2013	01	09.32141	13	28	23.42	-26	56	19.0	20.4	VuEA051807
K12V93V	C2013	01	09.32548	13	28	23.76	-26	56	26.4	20.5	VuEA051807

K12V93V	|C2013	01	09.32954	13	28	24.09	-26	56	33.7	20.4	VuEA051807
K12X06Y	KC2013	01	08.00595102	55	58.95	+38	39	43.6	19.6	VuEA051H21	
K12X06Y	KC2013	01	08.01262102	55	58.68	+38	39	39.9	19.6	VuEA051H21	
K12X06Y	KC2013	01	08.01928702	55	58.41	+38	39	36.3	19.7	VuEA051H21	
K12X16K	|C2013	01	09.11752	04	33	10.43	-24	16	34.2	22.1	VuEA051807
K12X16K	|C2013	01	09.12643	04	33	10.70	-24	16	37.6	22.1	VuEA051807
K12X16K	|C2013	01	09.13573	04	33	11.01	-24	16	41.3	22.2	VuEA051807
K12X17F	C2013	01	09.23781	08	44	46.01	+17	22	08.9	19.9	VoEA051691
K12X17F	C2013	01	09.25551	08	44	45.53	+17	22	06.9	19.9	VoEA051691
K12X17F	C2013	01	09.27319	08	44	45.05	+17	22	04.9	19.9	VoEA051691
K12X55D	KC2013	01	08.24026406	49	32.51	-08	30	28.1	19.2	VqEA051H21	
K12X55D	KC2013	01	08.24359206	49	32.15	-08	30	30.1	19.9	VqEA051H21	
K12X55D	KC2013	01	08.24685906	49	31.82	-08	30	31.5	19.6	VqEA051H21	
K12X55D	KC2013	01	08.24990206	49	31.54	-08	30	33.5	19.6	VqEA051H21	
K12X55J	KC2013	01	08.02668002	58	52.15	+40	27	35.1	20.7	VuEA051H21	
K12X55J	KC2013	01	08.03263802	58	54.22	+40	27	39.0	20.7	VuEA051H21	
K12X55J	KC2013	01	08.03961102	58	56.61	+40	27	43.2	20.6	VuEA051H21	
K12X55Q	]C2013	01	09.36069	08	37	27.23	-27	22	03.2	20.2	RoEA051695
K12X55Q	]C2013	01	09.36698	08	37	27.65	-27	22	10.3	20.2	RoEA051695
K12X55Q	]C2013	01	09.37983	08	37	28.40	-27	22	23.0	20.3	RoEA051695
K12X93S	KC2013	01	07.28778407	19	36.87	+24	52	46.0	19.5	VuEA051H21	
K12X93S	KC2013	01	07.29284107	19	35.15	+24	52	41.9	19.6	VuEA051H21	
K12X93S	KC2013	01	07.30638707	19	30.58	+24	52	31.0	19.2	VuEA051H21	
K12XB2D	]C2013	01	09.46886	14	05	14.14	+00	55	18.9	19.2	RoEA051695
K12XB2D	]C2013	01	09.46982	14	05	15.13	+00	55	14.3	19.1	RoEA051695
K12XB2D	]C2013	01	09.47078	14	05	16.18	+00	55	10.2	19.1	RoEA051695
K12XB2D	C2013	01	09.49682	14	05	43.94	+00	53	14.9	19.2	VrEA051703
K12XB2D	C2013	01	09.50821	14	05	56.18	+00	52	25.5	19.1	VrEA051703
K12XB2D	C2013	01	09.51391	14	06	02.19	+00	52	00.2	18.8	VrEA051703
K12XB2F	C2013	01	09.26844	07	04	45.47	+36	44	37.6	17.9	cEA051704
K12XB2F	C2013	01	09.28143	07	04	47.50	+36	43	44.5	18.2	cEA051704
K12XB2F	C2013	01	09.29443	07	04	49.59	+36	42	51.1	17.9	cEA051704
K12XB2F	C2013	01	09.30744	07	04	51.66	+36	41	57.1	18.0	cEA051704
K12XB2F	C2013	01	09.32070	07	04	53.77	+36	41	02.2	17.9	cEA051704
K12XD4S	KC2013	01	07.26216207	10	50.52	+45	05	29.6	20.6	VuEA051H21	
K12XD4S	KC2013	01	07.27085507	10	49.46	+45	05	34.9	20.6	VuEA051H21	
K12XD4S	KC2013	01	07.27994707	10	48.35	+45	05	40.2	20.0	VuEA051H21	
K12Y01R	]C2013	01	09.27286	08	42	28.21	+31	14	33.9	23.2	RoEA051695
K12Y01R	]C2013	01	09.30903	08	42	29.19	+31	14	07.4	23.3	RoEA051695
K12Y01R	]C2013	01	09.32707	08	42	29.66	+31	13	54.0	23.2	RoEA051695
K12Y03P	KC2013	01	10.15289	06	45	22.10	+32	59	49.7	20.3	RoEA051291
K12Y03P	KC2013	01	10.15420	06	45	22.51	+32	59	51.7	20.5	RoEA051291
K12Y03P	KC2013	01	10.15550	06	45	23.04	+32	59	53.7	20.6	RoEA051291
K12Y03Q	KC2013	01	07.37349808	44	36.25	+31	46	19.1	19.8	VuEA051H21	
K12Y03Q	KC2013	01	07.37742008	44	37.46	+31	46	29.3	20.0	VuEA051H21	
K12Y03Q	KC2013	01	07.38148708	44	38.74	+31	46	39.6	19.8	VuEA051H21	
K12Y03Q	C2013	01	09.25829	08	55	23.80	+33	09	04.7	19.8	VrEA051703
K12Y03Q	C2013	01	09.26958	08	55	27.58	+33	09	36.0	19.6	VrEA051703
K12Y03Q	C2013	01	09.27524	08	55	29.49	+33	09	52.9	20.0	VrEA051703
K12Y03Q	KC2013	01	09.47037	08	56	35.35	+33	18	29.4	18.7	RqEA051448
K12Y03Q	KC2013	01	09.48676	08	56	40.98	+33	19	11.9	18.7	RqEA051448
K12Y03Q	KC2013	01	09.50524	08	56	47.45	+33	19	58.4	19.3	RqEA051448
K12Y06P	KC2013	01	08.19375405	04	07.00	+13	12	32.0	20.0	VqEA051H21	
K12Y06P	KC2013	01	08.20061305	04	06.73	+13	12	12.5	20.2	VqEA051H21	
K12Y06P	KC2013	01	08.20739305	04	06.40	+13	11	53.3	20.4	VqEA051H21	
K12Y06P	KC2013	01	08.21497605	04	06.03	+13	11	32.0	20.0	VqEA051H21	
K13A04D	|C2013	01	09.35038	12	29	02.06	-46	17	02.3	19.4	VuEA051807
K13A04D	|C2013	01	09.35266	12	29	05.73	-46	17	43.3	19.3	VuEA051807
K13A04D	|C2013	01	09.35494	12	29	09.47	-46	18	24.4	19.6	VuEA051807
K13A04D	|C2013	01	09.35721	12	29	13.15	-46	19	04.8	19.8	VuEA051807
K13A04D	|C2013	01	09.35949	12	29	16.82	-46	19	45.5	19.3	VuEA051807
K13A04E	HC2013	01	09.49953	09	31	20.68	+15	53	42.1	20.5	RoEA051291
K13A04E	HC2013	01	09.50061	09	31	20.41	+15	53	44.1	20.6	RoEA051291
K13A04E	HC2013	01	09.50168	09	31	20.35	+15	53	45.6	20.4	RoEA051291
K13A04E	KC2013	01	10.23929	09	29	39.47	+16	15	04.1	20.3	RoEA051291
K13A04E	KC2013	01	10.24184	09	29	39.09	+16	15	08.3	20.6	RoEA051291
K13A11H	|C2013	01	09.17995	08	14	02.85	-15	34	08.5	18.0	VuEA051807
K13A11H	|C2013	01	09.18463	08	14	01.89	-15	34	35.7	17.7	VuEA051807
K13A11H	|C2013	01	09.18924	08	14	00.95	-15	35	02.3	17.8	VuEA051807
K13A11H	|C2013	01	09.19155	08	14	00.49	-15	35	15.6	17.7	VuEA051807
K13A11H	|C2013	01	09.19362	08	14	00.07	-15	35	27.6	17.7	VuEA051807
K13A11J	KC2013	01	08.16334504	37	46.53	+10	14	46.4	20.7	VqEA051H21	
K13A11J	KC2013	01	08.17175504	37	46.68	+10	12	54.0	20.2	VqEA051H21	
K13A11J	KC2013	01	08.17910504	37	46.81	+10	11	16.3	19.7	VqEA051H21	
K13A11L	KC2013	01	08.11969903	48	08.34	+12	34	14.7	19.7	VqEA051H21	
K13A11L	KC2013	01	08.12502503	48	10.35	+12	34	42.0	19.9	VqEA051H21	
K13A11L	KC2013	01	08.12974203	48	12.17	+12	35	06.7	19.8	VqEA051H21	

K13A11L	KC2013	01	08.13439303	48	13.93	+12	35	30.3	19.4	VqEA051H21	
K13A200	SC2013	01	08.22173406	16	06.27	-12	02	10.0	18.1	VqEA051H21	
K13A200	KC2013	01	08.22650206	16	06.02	-12	03	05.8	18.5	VqEA051H21	
K13A200	KC2013	01	08.23126606	16	05.75	-12	04	00.9	18.5	VqEA051H21	
K13A200	KC2013	01	08.23594306	16	05.53	-12	04	55.5	18.4	VqEA051H21	
K13A200	C2013	01	09.04419	06	15	47.48	-14	33	06.1	18.3	VuEA051807
K13A200	C2013	01	09.04648	06	15	47.38	-14	33	30.6	18.3	VuEA051807
K13A200	C2013	01	09.04876	06	15	47.27	-14	33	55.1	18.3	VuEA051807
K13A200	C2013	01	09.05332	06	15	47.05	-14	34	43.9	18.6	VuEA051807
K13A200	C2013	01	09.05560	06	15	46.95	-14	35	08.1	18.5	VuEA051807
K13A270	C2013	01	09.13591	03	35	44.05	+08	31	38.0	19.1	cEA051704
K13A270	C2013	01	09.14951	03	35	47.99	+08	32	19.6	19.4	cEA051704
K13A270	C2013	01	09.16268	03	35	51.77	+08	33	00.7	19.3	cEA051704
K13A270	C2013	01	09.17558	03	35	55.62	+08	33	40.3	19.2	cEA051704
K13A270	C2013	01	09.18856	03	35	59.36	+08	34	18.6	20.0	cEA051704
K13A27S	C2013	01	09.21634	06	55	15.81	+35	55	38.2	18.2	VrEA051G96
K13A27S	C2013	01	09.22620	06	55	11.96	+35	57	21.9	18.2	VrEA051G96
K13A27S	C2013	01	09.23611	06	55	08.07	+35	59	06.0	18.4	VrEA051G96
K13A27S	C2013	01	09.24368	06	55	04.13	+36	00	20.6	18.2	RqEA051H36
K13A27S	C2013	01	09.24613	06	55	04.15	+36	00	51.2	18.3	VrEA051G96
K13A27S	C2013	01	09.24901	06	55	02.02	+36	01	15.9	18.0	RqEA051H36
K13A27S	C2013	01	09.25259	06	55	00.64	+36	01	53.2	18.2	RqEA051H36
K13A27U	C2013	01	10.18958	09	50	27.86	+42	53	00.3	15.6	RoEA051G48
K13A27U	C2013	01	10.18998	09	50	27.57	+42	52	55.7	15.6	RoEA051G48
K13A27U	C2013	01	10.19038	09	50	27.25	+42	52	51.0	15.6	RoEA051G48
K13A27U	C2013	01	10.19078	09	50	26.97	+42	52	46.5	15.6	RoEA051G48
K13A27U	C2013	01	10.19117	09	50	26.68	+42	52	41.8	15.6	RoEA051G48
K13A27U	C2013	01	10.19155	09	50	26.37	+42	52	37.2	15.6	RoEA051G48
K13A27U	C2013	01	10.19194	09	50	26.07	+42	52	32.8	15.6	RoEA051G48
K13A27U	C2013	01	10.19234	09	50	25.77	+42	52	28.0	15.6	RoEA051G48
K13A27U	C2013	01	10.19273	09	50	25.48	+42	52	23.6	15.6	RoEA051G48
K13A32A	C2013	01	09.39944	11	41	53.98	+19	32	36.6	19.0	cEA051704
K13A32A	C2013	01	09.42539	11	41	47.38	+19	33	07.9	19.6	cEA051704
K13A32A	C2013	01	09.43831	11	41	44.08	+19	33	23.7	19.8	cEA051704
K13A32A	C2013	01	09.45123	11	41	40.87	+19	33	37.3	19.7	cEA051704
K13A32A	C2013	01	09.47095	11	41	35.75	+19	34	00.7	20.1	cEA051704
K13A32A	C2013	01	09.48375	11	41	32.52	+19	34	15.4	19.4	cEA051704
K13A32A	C2013	01	09.49653	11	41	29.29	+19	34	29.7	19.7	cEA051704
K13A32A	C2013	01	09.50934	11	41	25.97	+19	34	44.4	19.6	cEA051704
K13A32B	IC2013	01	09.80827	04	48	28.54	+10	33	49.4		uEA051J95
K13A32B	KC2013	01	09.82610	04	48	25.61	+10	34	19.8	20.6	RuEA051J95
K13A32B	KC2013	01	09.84721	04	48	22.23	+10	34	57.3	20.8	RuEA051J95
K13A32B	KC2013	01	09.86469	04	48	19.35	+10	35	27.6	20.7	RuEA051J95
K13A32B	KC2013	01	09.88400	04	48	16.28	+10	36	00.8	20.6	RuEA051J95
01620	C2013	01	09.07162	23	47	44.05	+12	10	21.9		cEA051704
01620	C2013	01	09.08430	23	47	45.77	+12	10	31.9		cEA051704
01620	C2013	01	09.09708	23	47	47.52	+12	10	41.7		cEA051704
01620	C2013	01	09.10980	23	47	49.24	+12	10	52.1		cEA051704
01620	C2013	01	09.12267	23	47	51.02	+12	11	02.1		cEA051704
01685	C2013	01	08.65678	13	11	40.910	-19	25	20.51	16.9	yLEA051F51
01685	C2013	01	08.66799	13	11	41.631	-19	25	31.03	17.1	yLEA051F51
01862	C2013	01	09.10287	00	10	51.49	+05	20	02.7	18.3	VrEA051703
01862	C2013	01	09.10623	00	10	52.50	+05	20	11.5	18.3	VrEA051703
01862	C2013	01	09.10963	00	10	53.54	+05	20	18.1	18.0	VrEA051703
01862	C2013	01	09.11303	00	10	54.44	+05	20	26.3	18.3	VrEA051703
01916	C2013	01	09.27142	07	51	43.63	+35	33	41.7		cEA051704
01916	C2013	01	09.28435	07	51	42.54	+35	33	41.5		cEA051704
01916	C2013	01	09.29742	07	51	41.40	+35	33	44.5		cEA051704
01916	C2013	01	09.31037	07	51	40.35	+35	33	45.2		cEA051704
01916	C2013	01	09.32366	07	51	39.36	+35	33	46.5		cEA051704
02062	KC2013	01	08.06718002	39	24.48	-04	21	13.6		17.4	VqEA051H21
02062	KC2013	01	08.07576802	39	24.41	-04	20	41.5		17.3	VqEA051H21
02062	KC2013	01	08.08425102	39	24.35	-04	20	09.8		17.1	VqEA051H21
02062	KC2013	01	08.09281402	39	24.29	-04	19	37.9		17.4	VqEA051H21
03200	C2013	01	09.08008	01	03	20.46	+23	43	09.1	18.8	cEA051704
03200	C2013	01	09.09272	01	03	20.77	+23	43	03.0	19.0	cEA051704
03200	C2013	01	09.10556	01	03	21.12	+23	42	58.3	19.1	cEA051704
03200	C2013	01	09.11830	01	03	21.45	+23	42	53.1	18.9	cEA051704
03200	C2013	01	09.13113	01	03	21.83	+23	42	47.3	19.0	cEA051704
03554	C2013	01	09.46711	14	08	39.49	+01	32	43.4	18.0	cEA051704
03554	C2013	01	09.47994	14	08	40.76	+01	32	26.2	18.1	cEA051704
03554	C2013	01	09.49273	14	08	41.98	+01	32	08.7	18.4	cEA051704
03554	C2013	01	09.49682	14	08	42.39	+01	32	03.0	17.6	VrEA051703
03554	C2013	01	09.50250	14	08	42.93	+01	31	55.4	17.6	VrEA051703
03554	C2013	01	09.50551	14	08	43.24	+01	31	51.8	18.2	cEA051704
03554	C2013	01	09.50821	14	08	43.47	+01	31	48.1	17.7	VrEA051703
03554	C2013	01	09.51391	14	08	43.98	+01	31	40.5	17.4	VrEA051703

03554	C2013	01	09.51833	14	08	44.46	+01	31	35.1	18.3	cEA051704
04179	C2013	01	08.75175	06	29	37.14	+22	29	17.0	12.4	RqEA051C27
04179	C2013	01	08.82701	06	29	46.06	+22	29	31.9	12.4	RqEA051C27
04179	C2013	01	08.82851	06	29	46.23	+22	29	32.1	12.4	RqEA051C27
04179	C2013	01	08.86774	06	29	50.71	+22	29	39.2	12.4	RqEA051C27
04179	C2013	01	08.86954	06	29	50.91	+22	29	39.6	12.4	RqEA051C27
05189	C2013	01	09.46650	10	15	09.44	+10	41	59.7	20.6	VoEA051691
05189	C2013	01	09.48428	10	15	08.83	+10	42	05.4	20.7	VoEA051691
05189	C2013	01	09.50213	10	15	08.17	+10	42	11.0	20.3	VoEA051691
05646	C2013	01	08.04525103	29	42.62	+32	46	49.2	17.8	VuEA051H21	
05646	C2013	01	08.05124103	29	42.87	+32	46	48.0	17.9	VuEA051H21	
05646	C2013	01	08.05766303	29	43.15	+32	46	46.6	17.9	VuEA051H21	
05646	C2013	01	08.06365403	29	43.43	+32	46	45.4	17.9	VuEA051H21	
05646	C2013	01	08.07006003	29	43.70	+32	46	44.2	18.0	VuEA051H21	
05646	C2013	01	08.07731903	29	44.01	+32	46	42.7	17.9	VuEA051H21	
05646	C2013	01	09.19861	03	30	37.30	+32	42	51.3	18.2	cEA051704
05646	C2013	01	09.21144	03	30	37.87	+32	42	49.8	18.7	cEA051704
05646	C2013	01	09.22429	03	30	38.52	+32	42	45.5	19.0	cEA051704
05646	C2013	01	09.23724	03	30	39.07	+32	42	42.6	18.4	cEA051704
05646	C2013	01	09.25012	03	30	39.69	+32	42	39.9	18.2	cEA051704
11054	C2013	01	09.07326	23	37	53.14	+00	57	14.8	19.2	VrEA051703
11054	C2013	01	09.07605	23	37	53.79	+00	57	18.2	18.7	VrEA051703
11054	C2013	01	09.07885	23	37	54.30	+00	57	22.1	19.6	VrEA051703
11054	C2013	01	09.08169	23	37	54.87	+00	57	24.9	18.8	VrEA051703
11284	C2013	01	09.40674	11	09	46.22	+07	14	40.6	16.3	VrEA051G96
11284	C2013	01	09.41560	11	09	47.52	+07	14	27.6	17.1	VrEA051G96
11284	C2013	01	09.42457	11	09	48.81	+07	14	14.5	16.4	VrEA051G96
11284	C2013	01	09.43363	11	09	50.14	+07	14	01.3	16.3	VrEA051G96
11284	C2013	01	09.48710	11	09	57.85	+07	12	42.9	17.1	VrEA051G96
11284	C2013	01	09.49671	11	09	59.25	+07	12	28.8	16.9	VrEA051G96
11284	C2013	01	09.50635	11	10	00.66	+07	12	14.6	16.8	VrEA051G96
11284	C2013	01	09.51604	11	10	02.06	+07	12	00.3	16.7	VrEA051G96
25916	C2013	01	09.31278	10	02	40.56	+26	15	12.5	19.0	VrEA051703
25916	C2013	01	09.32081	10	02	40.23	+26	15	16.9	19.1	VrEA051703
25916	C2013	01	09.32895	10	02	40.02	+26	15	20.7	18.9	VrEA051703
25916	C2013	01	09.33586	10	02	39.80	+26	15	24.4	19.2	cEA051704
25916	C2013	01	09.33737	10	02	39.58	+26	15	25.1	18.6	VrEA051703
25916	C2013	01	09.34901	10	02	39.39	+26	15	29.9	19.7	cEA051704
25916	C2013	01	09.36202	10	02	39.01	+26	15	36.1	19.8	cEA051704
25916	C2013	01	09.37530	10	02	38.38	+26	15	42.0	19.3	cEA051704
25916	C2013	01	09.38830	10	02	38.02	+26	15	47.9	19.5	cEA051704
52761	C2013	01	09.14390	03	30	01.83	+18	37	00.8	20.5	VrEA051G96
52761	C2013	01	09.15105	03	30	01.80	+18	36	55.9	21.4	VrEA051G96
52761	C2013	01	09.15824	03	30	01.72	+18	36	50.7	20.5	VrEA051G96
52761	C2013	01	09.16539	03	30	01.69	+18	36	46.1	20.4	VrEA051G96
68548	C2013	01	09.26403	06	13	28.39	+40	11	56.6	19.4	cEA051704
68548	C2013	01	09.27693	06	13	26.80	+40	11	43.1	19.1	cEA051704
68548	C2013	01	09.28987	06	13	25.19	+40	11	29.1	19.3	cEA051704
68548	C2013	01	09.30293	06	13	23.65	+40	11	15.1	19.4	cEA051704
68548	C2013	01	09.31632	06	13	21.98	+40	11	01.4	19.4	cEA051704
99942	7C2013	01	08.44728	09	16	46.97	-25	04	57.3	15.4	RtEA051F65
99942	7C2013	01	08.44820	09	16	46.64	-25	04	56.1		tEA051F65
99942	7C2013	01	08.44915	09	16	46.25	-25	04	54.8		tEA051F65
99942	7C2013	01	08.45008	09	16	45.91	-25	04	53.7		tEA051F65
99942	7C2013	01	08.45158	09	16	45.32	-25	04	51.9		tEA051F65
99942	7C2013	01	08.45241	09	16	45.00	-25	04	50.9		tEA051F65
99942	7C2013	01	08.45335	09	16	44.62	-25	04	49.6		tEA051F65
99942	7C2013	01	08.45461	09	16	44.14	-25	04	48.2		tEA051F65
99942	C2013	01	09.05998	09	13	08.48	-24	51	14.4	15.0	RuEA051B04
99942	C2013	01	09.06646	09	13	05.93	-24	51	05.4	15.1	RuEA051B04
99942	C2013	01	09.07338	09	13	03.30	-24	50	55.9	15.2	RuEA051B04
99942	C2013	01	09.95829	09	07	52.17	-24	29	06.9	16.3	VqEA051C73
99942	C2013	01	09.95909	09	07	51.83	-24	29	05.9	16.2	VqEA051C73
99942	C2013	01	09.95990	09	07	51.41	-24	29	04.7	16.4	VqEA051C73
99942	C2013	01	09.96071	09	07	51.16	-24	29	03.2	16.1	VqEA051C73
99942	C2013	01	09.96150	09	07	50.83	-24	29	01.5	16.0	VqEA051C73
99942	C2013	01	09.96231	09	07	50.52	-24	29	00.2	16.0	VqEA051C73
99942	C2013	01	09.96311	09	07	50.29	-24	28	59.9	16.1	VqEA051C73
99942	C2013	01	09.96392	09	07	50.04	-24	28	58.1	16.2	VqEA051C73
99942	C2013	01	09.96472	09	07	49.59	-24	28	56.8	16.1	VqEA051C73
99942	C2013	01	09.96553	09	07	49.26	-24	28	53.8	16.3	VqEA051C73
99942	C2013	01	09.96633	09	07	49.03	-24	28	54.9	16.2	VqEA051C73
99942	C2013	01	09.96714	09	07	48.69	-24	28	53.6	16.0	VqEA051C73
99942	C2013	01	09.96794	09	07	48.38	-24	28	52.5	16.1	VqEA051C73
99942	C2013	01	09.96875	09	07	48.10	-24	28	51.2	16.3	VqEA051C73
99942	C2013	01	09.96955	09	07	47.77	-24	28	49.7	16.0	VqEA051C73
99942	C2013	01	09.97036	09	07	47.49	-24	28	49.1	16.1	VqEA051C73

99942	C2013	01	09.97116	09	07	47.19	-24	28	47.8	16.0	VqEA051C73
99942	C2013	01	09.97197	09	07	46.86	-24	28	46.0	15.9	VqEA051C73
99942	C2013	01	09.97277	09	07	46.54	-24	28	45.7	16.1	VqEA051C73
99942	C2013	01	09.97358	09	07	46.22	-24	28	43.6	16.1	VqEA051C73
99942	C2013	01	09.97441	09	07	45.90	-24	28	42.9	16.1	VqEA051C73
99942	C2013	01	09.97521	09	07	45.56	-24	28	41.2	15.9	VqEA051C73
99942	C2013	01	09.97602	09	07	45.34	-24	28	39.9	16.0	VqEA051C73
99942	C2013	01	09.97682	09	07	44.96	-24	28	38.8	16.1	VqEA051C73
99942	C2013	01	09.97762	09	07	44.65	-24	28	38.0	15.8	VqEA051C73
99942	C2013	01	09.97843	09	07	44.35	-24	28	36.2	15.9	VqEA051C73
99942	C2013	01	09.97922	09	07	44.08	-24	28	35.9	16.0	VqEA051C73
99942	C2013	01	09.98003	09	07	43.76	-24	28	34.8	16.0	VqEA051C73
99942	C2013	01	09.98083	09	07	43.43	-24	28	32.5	15.9	VqEA051C73
99942	C2013	01	09.98164	09	07	43.12	-24	28	31.4	15.8	VqEA051C73
99942	C2013	01	09.98244	09	07	42.84	-24	28	30.8	16.2	VqEA051C73
99942	C2013	01	09.98325	09	07	42.52	-24	28	28.4	16.0	VqEA051C73
99942	C2013	01	09.98405	09	07	42.30	-24	28	29.3	15.8	VqEA051C73
99942	C2013	01	09.98486	09	07	41.84	-24	28	26.2	15.8	VqEA051C73
99942	C2013	01	09.98566	09	07	41.65	-24	28	25.3	16.0	VqEA051C73
99942	C2013	01	09.98647	09	07	41.30	-24	28	24.2	16.0	VqEA051C73
99942	C2013	01	10.07656	09	07	13.56	-24	24	10.5		uEA051844
99942	C2013	01	10.07841	09	07	12.87	-24	24	07.8		uEA051844
99942	C2013	01	10.08028	09	07	12.17	-24	24	05.3		uEA051844
99942	C2013	01	10.08213	09	07	11.47	-24	24	02.6		uEA051844
99942	C2013	01	10.08399	09	07	10.80	-24	24	00.1		uEA051844
99942	C2013	01	10.08584	09	07	10.10	-24	23	57.5		uEA051844
99942	C2013	01	10.08771	09	07	09.40	-24	23	54.9		uEA051844
99942	C2013	01	10.08956	09	07	08.70	-24	23	52.4		uEA051844
99942	C2013	01	10.09142	09	07	07.99	-24	23	49.7		uEA051844
99942	C2013	01	10.09328	09	07	07.28	-24	23	47.1		uEA051844
D6635	C2013	01	08.47548	06	49	50.335+04	14	29	88	19.5	gLEA051F51
D6635	C2013	01	08.48865	06	49	49.074+04	14	23	93	19.7	gLEA051F51
D7099	C2013	01	09.35030	10	37	54.98	+44	21	46.0	18.8	VrEA051703
D7099	C2013	01	09.35745	10	37	54.91	+44	22	06.3	19.5	VrEA051703
D7099	C2013	01	09.36468	10	37	54.76	+44	22	27.3	19.6	VrEA051703
D7099	C2013	01	09.37199	10	37	54.73	+44	22	47.2	19.2	VrEA051703
D7199	C2013	01	09.34030	10	39	08.08	+26	32	58.5	16.9	cEA051704
D7199	C2013	01	09.35349	10	39	11.75	+26	33	48.3	16.1	cEA051704
D7199	C2013	01	09.36647	10	39	15.40	+26	34	34.7	16.1	cEA051704
D7199	C2013	01	09.37978	10	39	19.18	+26	35	23.5	16.1	cEA051704
D7199	C2013	01	09.39274	10	39	22.84	+26	36	09.7	16.0	cEA051704
D8937	C2013	01	08.07923404	57	31	49	+20	14	56.1	17.8	VuEA051H21
D8937	C2013	01	08.08435904	57	31	26	+20	15	13.5	17.6	VuEA051H21
D8937	C2013	01	08.08906604	57	31	05	+20	15	29.7	17.7	VuEA051H21
D8937	C2013	01	08.09420104	57	30	81	+20	15	47.2	17.8	VuEA051H21
D8937	C2013	01	08.09848904	57	30	63	+20	16	01.7	17.8	VuEA051H21
E1052	C2013	01	09.14543	03	26	08.70	+34	33	09.4	19.4	cEA051704
E1052	C2013	01	09.15882	03	26	07.68	+34	32	52.3	20.0	cEA051704
E1052	C2013	01	09.17170	03	26	06.74	+34	32	36.0	20.1	cEA051704
E1052	C2013	01	09.18470	03	26	05.81	+34	32	18.7	20.5	cEA051704
F3267	C2013	01	09.47576	13	35	02.46	+08	09	07.0	19.7	cEA051704
F3267	C2013	01	09.48853	13	35	02.53	+08	09	16.1	19.6	cEA051704
F3267	C2013	01	09.50132	13	35	02.58	+08	09	26.5	19.5	cEA051704
F3267	C2013	01	09.51415	13	35	02.66	+08	09	35.9	19.4	cEA051704
F3306	C2013	01	09.12509	02	13	13.58	-04	12	20.1	19.5	VrEA051703
F3306	C2013	01	09.13196	02	13	13.90	-04	12	24.5	19.1	VrEA051703
F3306	C2013	01	09.13876	02	13	14.26	-04	12	28.2	19.3	VrEA051703
F3306	C2013	01	09.14567	02	13	14.59	-04	12	32.8	19.4	VrEA051703
F4347	C2013	01	08.31363409	25	38	79	+55	21	32.0	16.2	VuEA051H21
F4347	C2013	01	08.31595909	25	37	60	+55	21	29.1	16.1	VuEA051H21
F4347	C2013	01	08.31799309	25	36	57	+55	21	26.8	16.2	VuEA051H21
F4347	C2013	01	08.32031609	25	35	40	+55	21	24.0	16.2	VuEA051H21
F4347	C2013	01	08.32467409	25	33	19	+55	21	18.6	16.2	VuEA051H21
F4347	C2013	01	08.32670609	25	32	18	+55	21	16.2	16.1	VuEA051H21
F4347	C2013	01	08.32937409	25	30	82	+55	21	13.0	16.2	VuEA051H21
F9533	C2013	01	09.26561	06	34	14.03	+38	42	07.1	18.7	cEA051704
F9533	C2013	01	09.27855	06	34	12.62	+38	42	12.7	18.7	cEA051704
F9533	C2013	01	09.29142	06	34	11.14	+38	42	17.9	18.9	cEA051704
F9533	C2013	01	09.30450	06	34	09.70	+38	42	22.4	19.0	cEA051704
F9533	C2013	01	09.31787	06	34	08.19	+38	42	28.0	18.8	cEA051704
F9923	C2013	01	09.23273	08	50	03.89	+18	29	44.8	20.5	VoEA051691
F9923	C2013	01	09.25042	08	50	02.69	+18	29	51.1	20.1	VoEA051691
F9923	C2013	01	09.26811	08	50	01.56	+18	29	58.7	20.4	VoEA051691
L2359	KC2013	01	09.20888	04	32	08.51	-14	09	46.4	17.2	RqEA051448
L2359	KC2013	01	09.21883	04	32	08.82	-14	09	21.6		qEA051448
L2359	KC2013	01	09.22316	04	32	08.94	-14	09	10.7	17.1	RqEA051448
M9672	C2013	01	09.23019	08	23	24.54	+37	04	59.9	16.6	VrEA051703

M9672	C2013	01	09.23587	08	23	23.35	+37	05	42.0	16.6	VrEA051703
M9672	C2013	01	09.24148	08	23	22.16	+37	06	23.1	16.7	VrEA051703
M9672	C2013	01	09.24707	08	23	20.97	+37	07	03.9	16.7	VrEA051703
M9672	C2013	01	09.27430	08	23	15.25	+37	10	23.2	16.7	cEA051704
M9672	C2013	01	09.28723	08	23	12.47	+37	11	57.9	17.0	cEA051704
M9672	C2013	01	09.30031	08	23	09.70	+37	13	33.3	17.1	cEA051704
M9672	C2013	01	09.31370	08	23	06.82	+37	15	11.4	17.0	cEA051704
M9672	C2013	01	09.32654	08	23	04.04	+37	16	45.2	16.9	cEA051704
M9672	C2013	01	09.36104	08	22	56.64	+37	20	58.1	16.6	VrEA051G96
M9672	C2013	01	09.37225	08	22	54.22	+37	22	19.9	16.7	VrEA051G96
M9672	C2013	01	09.38368	08	22	51.74	+37	23	43.4	16.7	VrEA051G96
M9672	C2013	01	09.39498	08	22	49.29	+37	25	05.9	16.7	VrEA051G96
Q2623	C2013	01	08.09936204	58	08.62	+22	54	02.4		17.9	VuEA051H21
Q2623	C2013	01	08.10255804	58	07.72	+22	54	13.2		18.0	VuEA051H21
Q2623	C2013	01	08.10575204	58	06.80	+22	54	23.7		17.9	VuEA051H21
Q2623	C2013	01	08.10952904	58	05.72	+22	54	36.2		18.0	VuEA051H21
Q2623	C2013	01	08.11301504	58	04.72	+22	54	47.9		17.9	VuEA051H21
Q2623	C2013	01	08.11708304	58	03.54	+22	55	01.4		18.1	VuEA051H21
Q2623	C2013	01	08.80902	04	54	52.68	+23	32	45.8	17.7	RqEA051C27
Q2623	C2013	01	08.81088	04	54	52.16	+23	32	52.0	17.3	RqEA051C27
Q2623	C2013	01	08.86106	04	54	37.92	+23	35	35.6	17.7	RqEA051C27
Q2623	C2013	01	08.86331	04	54	37.31	+23	35	42.9	17.5	RqEA051C27
W3179	KC2013	01	09.04974	02	32	06.96	+36	28	26.5	18.4	RqEA051448
W3179	KC2013	01	09.05621	02	32	08.91	+36	28	23.6	18.3	RqEA051448
W3179	KC2013	01	09.06779	02	32	12.50	+36	28	18.2	19.0	RqEA051448
Y9063	C2013	01	09.10957	02	19	22.58	+16	59	02.1	21.6	VrEA051G96
Y9063	C2013	01	09.11845	02	19	22.65	+16	58	58.1	21.1	VrEA051G96
Y9063	C2013	01	09.12753	02	19	22.69	+16	58	56.5	22.3	VrEA051G96
Y9063	C2013	01	09.13656	02	19	22.69	+16	58	54.9	22.4	VrEA051G96
Y9068	C2013	01	10.11160	08	40	43.58	+09	35	37.1		uEA051844
Y9068	C2013	01	10.11341	08	40	43.40	+09	35	48.1		uEA051844
Y9068	C2013	01	10.11520	08	40	43.25	+09	35	58.8		uEA051844
Y9068	C2013	01	10.11701	08	40	43.07	+09	36	10.0		uEA051844
Y9068	C2013	01	10.11881	08	40	42.89	+09	36	20.6		uEA051844
Y9068	C2013	01	10.12061	08	40	42.72	+09	36	31.8		uEA051844

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