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# IAU Minor Planet Center

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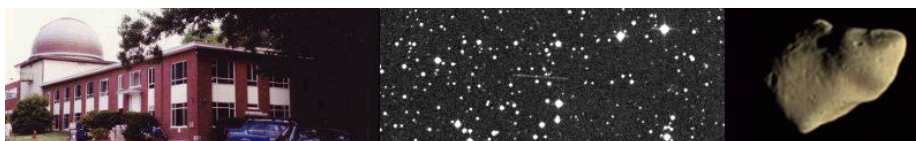
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## MPEC 2011-J16 : DAILY ORBIT UPDATE (2011 MAY 4 UT)

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

A form allowing access to any MPEC is at [the bottom of this page](#).



[Read MPEC 2011-J15](#)

M.P.E.C. 2011-J16

Issued 2011 May 4, 07:08 UT

**The Minor Planet Electronic Circulars contain information on unusual minor planets and routine data on comets. They are published on behalf of Commission 20 of the International Astronomical Union by the Minor Planet Center, Smithsonian Astrophysical Observatory, Cambridge, MA 02138, U.S.A.**

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DAILY ORBIT UPDATE (2011 MAY 4 UT)

Update to [MPEC 2011-J07](#)

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

### New identification:

K03UW4X	K11J00E			MPCS
K11A51U	K08J32V			MPCS
K11A66X	J96T47M			MPCS
K11B53N	K03Sf2E			MPCS
K11C02S	K04CA5Y			MPCS
K11C14U	K06UY2P			MPCS
K11C36C	K06BJ9C			MPCS
K11C63G	K08TH8J			MPCS
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K11E28N	K09UD8L			MPCS
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K11E78Q	K07E24Q			MPCS
K11E79J	J94E08F	K09T37B		MPCS
K11F07A	K08T79H			MPCS
K11F12X	J97J05G			MPCS
K11F18C	K10C45R			MPCS
K11F29J	K10G85E			MPCS
K11F32B	K10A78L			MPCS
K11F36B	J99V16X			MPCS
K11F41A	K10E08K			MPCS

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K11F47M	K07TM3A		MPCS
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K11F63N	K09W71V		MPCS
K11F68J	K08ST4A		MPCS
K11FC0W	K01QU4P		MPCS
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K11FE5R	K05C50Q		MPCS
K11FE8F	K02EB4G	K08V27J	MPCS
K11FE8J	K09WH4O		MPCS
K11FE9U	K10EF6C		MPCS
K11FE9X	J99TU8L		MPCS
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K11H18T	K05X64L	K10A71E	MPCS
K11H21Y	K05ET0S	K10G78H	MPCS
K11H25V	K07EI5E		MPCS
K11H26P	K10E63M		MPCS
K11H34L	K08SH6E		MPCS
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K11H52Z	K00K46C		MPCS
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New double designation:

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K11G71T	K11H28J	MPCS
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K11H07M	K11G69B	MPCS
K11H10D	K11G61B	MPCS
K11H10Q	K11H20P	MPCS
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K11H27G	K11H35C	MPCS
K11H27V	K11H38X	MPCS
K11H31V	K11G34B	MPCS
K11H33S	K11G47O	MPCS
K11H36W	K11H37S	MPCS
K11H39H	K11H29J	MPCS
K11H54J	K11H60H	MPCS
K11H56S	K11FF3Y	MPCS

## New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J94A15D	17.2	0.15	K1128	99.817	100.060	331.236	1.699	0.14670	2.55354	5	X
J94X02V	16.6	0.15	K1128	114.672	298.808	138.523	3.329	0.02905	2.85179	7	X
J95K04G	17.7	0.15	K1128	61.343	70.167	54.336	21.482	0.09815	1.92033	4	X
J95Q09X	17.3	0.15	K1128	264.240	229.466	107.189	8.315	0.43739	2.57570	5	X
J95W13B	17.1	0.15	K1128	75.820	352.533	127.901	4.409	0.14777	2.74380	5	X
J95W13F	16.7	0.15	K1128	173.797	216.302	177.596	4.887	0.02326	2.70547	6	X
J96J11M	17.6	0.15	K1128	313.261	120.239	127.902	5.946	0.20355	2.42876	3	X
J97E06Y	17.0	0.15	K1128	163.675	182.919	216.648	6.587	0.12019	2.23815	6	X
J98Q94W	16.8	0.15	K1128	206.572	136.139	236.622	6.534	0.25066	2.27314	4	X
J98R15Q	16.5	0.15	K1128	77.075	298.487	167.453	2.167	0.03259	2.89948	6	X
J98U02P	16.5	0.15	K1128	46.684	330.505	25.122	10.979	0.06171	2.54137	6	X
J99B08E	16.2	0.15	K1128	6.026	321.593	147.478	9.878	0.46894	2.53921	4	X
J99E10D	15.4	0.15	K1128	297.746	129.043	170.544	21.024	0.14748	3.12889	4	X
J99G03S	16.0	0.15	K1128	297.811	107.382	44.707	28.123	0.42475	2.61383	4	X
J99N38U	16.3	0.15	K1128	289.216	218.480	93.202	5.255	0.31721	2.56593	5	X
J99R66L	16.5	0.15	K1128	264.432	146.034	155.330	13.944	0.24301	2.63800	5	X
J99RH0S	17.1	0.15	K1128	44.909	174.359	161.705	3.445	0.25632	2.38188	2	X
J99T84N	15.8	0.15	K1128	104.232	249.040	210.762	8.605	0.13137	2.77110	7	X
J99TH0V	15.6	0.15	K1128	339.001	55.357	23.354	16.201	0.20908	3.13996	3	X
J99TI3B	17.6	0.15	K1128	357.489	222.026	191.637	9.690	0.25431	2.39967	2	X
J99TL7G	15.6	0.15	K1128	37.089	294.520	37.320	21.585	0.41176	3.13482	3	X
J99TS4H	15.7	0.15	K1128	211.316	298.918	59.495	10.237	0.23809	2.72073	5	X
J99U29M	16.3	0.15	K1128	353.523	348.875	61.709	4.137	0.13879	3.13111	4	X
J99V20E	18.6	0.15	K1128	86.976	344.807	90.000	2.115	0.23610	1.90291	5	X
J99V83C	15.8	0.15	K1128	39.627	336.430	22.117	10.910	0.06380	3.13966	4	X
J99V99N	17.3	0.15	K1128	344.454	10.396	61.188	4.092	0.16456	2.41249	4	X
J99VA9A	15.6	0.15	K1128	19.453	126.281	248.656	4.191	0.19976	3.19915	4	X
J99VJ6M	16.3	0.15	K1128	352.712	225.215	194.115	11.778	0.31001	3.15148	2	X
J99X16H	17.5	0.15	K1128	307.822	41.700	69.599	10.945	0.08953	1.99828	5	X
J99X79G	15.8	0.15	K1128	242.986	261.252	74.945	9.852	0.09507	2.76407	7	X
K00AE6O	15.8	0.15	K1128	16.068	226.777	278.793	22.444	0.21719	2.33831	3	X
K00EF2T	17.0	0.15	K1128	0.531	71.153	111.319	3.264	0.14488	2.35005	4	X
K00G48W	15.1	0.15	K1128	34.363	329.493	206.865	10.258	0.00814	3.06656	5	X
K00H17G	18.6	0.15	K1128	338.726	50.121	162.646	2.547	0.12704	2.37862	3	X
K00H46B	17.4	0.15	K1128	287.983	217.789	42.474	21.482	0.04950	1.96762	4	X
K00H62M	15.5	0.15	K1128	348.393	358.216	222.121	11.231	0.19979	3.12179	6	X
K00HA2C	15.3	0.15	K1128	311.503	212.559	58.114	23.572	0.19888	3.11962	5	X
K00K12C	17.1	0.15	K1128	286.098	239.718	58.492	5.927	0.21085	2.38306	6	X
K00L37Y	16.7	0.15	K1128	307.920	21.128	86.525	12.809	0.14446	2.62458	5	X
K00Q73F	16.0	0.15	K1128	180.452	22.127	333.016	12.761	0.17673	2.57246	4	X
K00S05B	16.0	0.15	K1128	112.274	33.301	21.208	33.475	0.23685	2.64946	4	X
K00S54V	17.2	0.15	K1128	63.883	135.254	184.461	7.456	0.22338	2.23466	5	X
K00S81F	16.3	0.15	K1128	167.189	207.986	179.488	13.606	0.18432	2.58816	6	X
K00SA0J	17.3	0.15	K1128	31.684	77.584	288.709	6.813	0.26780	2.24885	2	X
K00Sa1F	16.7	0.15	K1128	10.729	270.442	113.054	7.161	0.24595	2.93154	5	X
K00U13B	17.3	0.15	K1128	16.974	100.923	294.205	5.237	0.20810	2.25109	3	X
K00U29L	17.9	0.15	K1128	334.235	227.950	224.000	18.783	0.12290	1.86451	4	X
K00V14U	15.7	0.15	K1128	224.259	293.593	61.580	15.308	0.13310	2.56011	6	X
K00W65P	16.5	0.15	K1128	40.814	283.548	62.858	5.702	0.13337	3.02736	5	X
K00W74O	17.8	0.15	K1128	357.318	26.530	33.550	7.534	0.17452	2.26393	3	X
K00W75W	17.2	0.15	K1128	18.245	47.676	339.523	3.293	0.14662	2.27001	3	X
K00Y59D	15.9	0.15	K1128	79.588	16.496	93.167	4.633	0.15544	2.73916	5	X
K01C24Z	15.7	0.15	K1128	310.734	129.893	347.079	5.693	0.22197	3.09821	3	X
K01D87C	16.0	0.15	K1128	111.021	322.539	142.106	10.911	0.09062	2.72191	4	X
K01E13S	16.4	0.15	K1128	207.474	302.338	17.816	23.472	0.08779	1.84845	5	X
K01H00H	18.4	0.15	K1128	353.614	114.469	86.110	4.996	0.14431	2.22946	5	X
K01H06V	16.4	0.15	K1128	276.027	244.339	59.601	14.694	0.29155	2.98537	4	X
K01H18L	16.1	0.15	K1128	311.584	71.010	53.679	22.169	0.31048	2.36424	4	X
K01H33O	17.1	0.15	K1128	287.946	210.446	55.433	5.813	0.14587	2.25092	5	X
K01M09T	15.2	0.15	K1128	304.154	211.671	71.009	12.898	0.13774	3.02504	6	X
K01O09L	16.8	0.15	K1128	266.409	249.908	81.545	4.683	0.28086	2.27697	8	X
K01O44D	14.8	0.15	K1128	224.271	141.989	213.513	11.784	0.08722	3.24465	5	X
K01P30J	17.3	0.15	K1128	211.309	253.155	85.341	9.684	0.21865	2.35710	5	X
K01P33Y	17.2	0.15	K1128	314.560	185.501	76.903	8.057	0.20563	2.28373	4	X

K01P35N	17.4	0.15	K1128	250.493	130.199	185.978	22.504	0.07539	1.87820	6 X
K01Q56N	15.5	0.15	K1128	286.037	148.159	139.551	18.048	0.14358	3.12295	4 X
K01Q84X	17.2	0.15	K1128	212.390	313.436	29.077	7.124	0.15573	2.35501	4 X
K01QG0W	17.2	0.15	K1128	234.932	166.106	156.288	2.916	0.19556	2.34519	6 X
K01QG4D	15.2	0.15	K1128	236.205	277.082	68.491	11.344	0.09367	2.11324	6 X
K01QI6J	17.7	0.15	K1128	243.940	120.614	203.593	1.587	0.23164	2.33401	4 X
K01QI7U	15.5	0.15	K1128	37.866	77.772	276.796	12.864	0.22798	2.71292	3 X
K01QX0F	16.2	0.15	K1128	25.134	72.971	301.715	7.150	0.14529	2.69439	3 X
K01R14J	15.0	0.15	K1128	222.640	173.596	193.082	27.981	0.14244	3.17931	4 X
K01R17C	17.2	0.15	K1128	232.213	281.076	48.179	2.139	0.20016	2.36419	6 X
K01R48X	16.2	0.15	K1128	61.513	39.629	41.456	33.600	0.43028	2.58119	5 X
K01R99T	17.6	0.15	K1128	277.464	172.107	142.072	3.043	0.22975	2.28531	3 X
K01RE6F	15.5	0.15	K1128	276.509	111.215	209.604	14.533	0.25421	3.08766	5 X
K01RF0R	16.9	0.15	K1128	197.096	270.603	97.658	8.226	0.29267	2.35990	5 X
K01S04H	16.4	0.15	K1128	30.651	23.424	342.297	4.565	0.17828	2.71523	4 X
K01S13T	16.4	0.15	K1128	21.722	13.287	359.362	8.559	0.32406	2.72796	2 X
K01S17N	17.1	0.15	K1128	2.980	46.544	6.649	7.721	0.37760	2.73825	2 X
K01S34R	16.9	0.15	K1128	186.298	341.032	22.801	4.455	0.19068	2.41021	5 X
K01SD7D	16.3	0.15	K1128	26.947	24.759	349.376	4.771	0.13247	2.71899	3 X
K01SF8J	16.0	0.15	K1128	43.151	147.072	200.342	13.270	0.09144	2.73500	5 X
K01SH4G	16.6	0.15	K1128	177.928	347.731	31.253	5.725	0.16051	2.39795	5 X
K01SJ7Z	16.7	0.15	K1128	147.109	25.800	7.631	5.355	0.14076	2.42549	5 X
K01SM6U	17.8	0.15	K1128	254.778	194.770	123.839	2.414	0.20376	2.34362	5 X
K01SR8D	15.4	0.15	K1128	349.014	183.148	237.559	12.188	0.15890	2.76968	3 X
K01SR8T	15.9	0.15	K1128	1.439	191.810	216.911	14.944	0.27610	2.76847	2 X
K01T15Y	16.8	0.15	K1128	157.512	319.278	71.727	7.508	0.15115	2.42929	4 X
K01T32T	15.6	0.15	K1128	297.693	91.250	34.885	24.795	0.17221	2.80014	4 X
K01T60G	16.3	0.15	K1128	28.369	335.699	34.481	12.319	0.20090	2.74188	3 X
K01TE0G	16.8	0.15	K1128	212.486	258.039	86.061	4.508	0.20031	2.37332	4 X
K01TE2X	15.3	0.15	K1128	240.036	277.843	68.670	5.905	0.13224	3.22940	7 X
K01TE9D	16.2	0.15	K1128	155.964	287.716	96.892	3.514	0.20406	2.44935	6 X
K01TF3Q	16.4	0.15	K1128	21.969	149.231	227.905	13.368	0.19814	2.73775	2 X
K01TI9J	15.9	0.15	K1128	15.333	28.410	358.407	7.853	0.16241	2.77796	3 X
K01TK9Q	18.7	0.15	K1128	114.673	215.576	209.023	21.024	0.08813	1.94995	2 S
K01U10E	16.6	0.15	K1128	307.321	0.108	101.704	5.330	0.07814	2.70629	6 X
K01UA4M	16.7	0.15	K1128	15.525	351.448	37.200	15.108	0.19736	2.74876	2 X
K01UD1A	16.3	0.15	K1128	272.984	178.381	40.838	15.699	0.02876	2.56924	5 X
K01UE2X	16.9	0.15	K1128	33.814	294.464	54.888	4.619	0.27075	2.76861	4 X
K01UM1C	16.9	0.15	K1128	0.057	20.991	28.570	8.530	0.23368	2.78038	2 X
K01V82W	15.4	0.15	K1128	340.695	200.999	231.744	17.074	0.15219	2.75173	2 X
K01W01G	17.4	0.15	K1128	161.298	314.137	73.947	23.552	0.09211	1.95784	3 X
K01X04H	16.4	0.15	K1128	26.755	76.390	64.110	29.982	0.26983	2.58647	3 X
K01X12P	16.1	0.15	K1128	331.232	63.241	30.776	7.833	0.19771	2.80727	3 X
K01X69D	15.4	0.15	K1128	327.315	15.828	66.896	10.065	0.13210	2.78935	6 X
K01XB2C	16.9	0.15	K1128	147.335	308.182	111.312	5.403	0.16855	2.45961	6 X
K01XC8T	16.9	0.15	K1128	120.997	248.267	167.482	1.852	0.09998	2.51238	7 X
K01XD4F	16.8	0.15	K1128	234.518	269.752	81.136	5.218	0.17927	2.39451	7 X
K01XM2P	16.0	0.15	K1128	76.079	75.193	249.028	5.257	0.05664	2.79052	5 X
K01XM4O	16.1	0.15	K1128	100.081	18.586	55.345	4.678	0.04955	2.52378	6 X
K01Y67E	16.9	0.15	K1128	147.027	342.851	74.708	9.153	0.24011	2.47714	4 X
K01Y77L	16.1	0.15	K1128	130.389	309.864	94.924	10.320	0.15431	2.54984	4 X
K01Y89G	16.3	0.15	K1128	117.827	325.038	100.712	5.023	0.10713	2.55774	6 X
K02A27Z	15.9	0.15	K1128	133.835	15.436	34.162	4.317	0.23595	2.53840	6 X
K02A35A	16.3	0.15	K1128	15.608	348.194	36.834	9.563	0.27449	2.81139	3 X
K02AF1O	16.0	0.15	K1128	6.416	56.713	131.291	14.245	0.19880	2.63180	2 X
K02AF3T	16.0	0.15	K1128	32.951	29.159	126.966	13.085	0.10554	2.61775	5 X
K02AF7E	16.3	0.15	K1128	63.735	332.834	152.077	4.275	0.20288	2.58946	5 X
K02AG2V	16.6	0.15	K1128	51.620	326.789	153.097	5.608	0.19598	2.62991	5 X
K02AH8J	15.9	0.15	K1128	0.487	348.380	127.769	15.653	0.20855	2.76068	2 X
K02C07P	16.4	0.15	K1128	346.621	102.855	123.037	9.449	0.23536	2.60094	5 X
K02C32S	16.1	0.15	K1128	9.286	106.147	87.059	8.595	0.13261	2.60092	6 X
K02C45F	16.9	0.15	K1128	121.514	287.536	131.012	4.500	0.20153	2.59102	6 X
K02C62X	16.4	0.15	K1128	138.146	307.566	116.253	18.402	0.18942	2.54059	5 X
K02CC2A	16.5	0.15	K1128	94.337	283.230	156.395	7.144	0.19458	2.59678	4 X
K02CE4M	16.6	0.15	K1128	352.357	25.716	170.246	4.591	0.18998	2.66830	4 X
K02CR2R	16.2	0.15	K1128	62.276	341.019	130.969	17.218	0.23013	2.63874	5 X
K02E32E	15.8	0.15	K1128	46.490	185.672	160.589	9.829	0.04320	3.11354	5 X
K02E53Z	16.1	0.15	K1128	313.910	126.490	348.485	11.661	0.20016	2.94206	3 X
K02E68O	16.7	0.15	K1128	338.869	29.534	181.078	8.972	0.10875	2.69582	5 X
K02EA4Z	17.2	0.15	K1128	17.804	90.379	86.800	5.070	0.20362	2.64186	4 X
K02EA6N	15.8	0.15	K1128	292.646	206.749	76.663	6.881	0.09318	2.63226	6 X
K02F25Q	15.6	0.15	K1128	349.730	153.399	73.029	15.971	0.13435	2.62833	7 X
K02F30P	16.3	0.15	K1128	43.988	350.842	150.257	17.878	0.26426	2.66081	4 X
K02G91P	16.9	0.15	K1128	344.674	60.688	168.307	12.293	0.22054	2.68578	2 S
K02G97V	16.5	0.15	K1128	9.327	99.069	64.893	10.781	0.27407	2.70649	3 X
K02J75O	15.8	0.15	K1128	318.856	59.865	201.916	7.452	0.16764	2.73636	5 X
K02JA7Y	15.4	0.15	K1128	335.002	116.810	70.977	15.219	0.22164	2.77275	4 X

K02L16K	16.7	0.15	K1128	122.181	198.113	61.945	6.401	0.17565	2.38751	5 X
K02L46U	15.5	0.15	K1128	354.823	85.063	126.651	15.147	0.21733	2.74870	5 X
K02N53Q	16.7	0.15	K1128	56.168	220.042	116.409	7.093	0.13162	2.45845	4 X
K02N58H	16.1	0.15	K1128	159.463	222.813	166.959	19.433	0.05814	2.99600	5 X
K02P27J	17.8	0.15	K1128	185.953	212.875	144.587	6.619	0.20655	2.20882	6 X
K02P38U	18.2	0.15	K1128	286.381	137.512	147.924	2.590	0.13691	2.13305	3 X
K02PA7T	15.8	0.15	K1128	189.567	164.481	194.460	10.709	0.01874	3.00513	6 X
K02PD8R	15.6	0.15	K1128	196.838	180.818	187.150	16.328	0.19965	3.04620	4 X
K02PG7R	17.9	0.15	K1128	282.725	157.732	137.536	3.299	0.15260	2.13486	3 X
K02PH9S	17.8	0.15	K1128	24.766	211.890	162.032	6.999	0.21793	2.48688	3 X
K02PJ3U	16.1	0.15	K1128	359.005	211.278	324.206	22.694	0.14803	2.22213	6 X
K02Q28F	17.2	0.15	K1128	177.626	214.324	160.452	8.097	0.12510	2.21160	5 X
K02Q65G	17.2	0.15	K1128	107.527	284.431	144.404	5.807	0.15768	2.24021	6 X
K02QD9N	16.1	0.15	K1128	168.088	220.557	167.894	8.392	0.12929	3.06797	6 X
K02R06H	17.8	0.15	K1128	181.505	205.484	168.535	3.959	0.19265	2.20872	5 X
K02R38P	17.0	0.15	K1128	177.255	176.486	198.146	4.100	0.18163	2.21480	4 X
K02R69Y	17.6	0.15	K1128	153.437	236.749	157.829	5.805	0.13509	2.22781	5 X
K02R91R	17.7	0.15	K1128	240.596	165.003	162.579	3.215	0.18161	2.18366	5 X
K02RD6R	17.3	0.15	K1128	28.966	227.261	131.709	9.729	0.28763	2.52570	3 X
K02RI9S	14.9	0.15	K1128	11.947	184.639	189.030	8.099	0.30143	3.97534	2 X
K02RJ2F	17.1	0.15	K1128	85.212	313.459	357.046	5.975	0.11073	2.47987	4 X
K02RK0W	17.8	0.15	K1128	244.877	259.519	54.069	6.515	0.16715	2.18447	4 X
K02RL3L	15.3	0.15	K1128	179.107	204.603	192.842	9.189	0.18345	3.01334	7 X
K02S26X	14.9	0.15	K1128	34.121	339.437	4.502	5.751	0.27370	3.96390	2 X
K02S46M	15.5	0.15	K1128	183.756	197.816	200.586	8.156	0.25367	3.07890	8 X
K02T01O	17.2	0.15	K1128	258.098	117.632	206.901	5.348	0.19164	2.17196	5 X
K02T16E	15.1	0.15	K1128	34.081	163.796	183.415	8.813	0.18707	3.96153	5 X
K02T42B	17.2	0.15	K1128	208.776	306.898	40.163	5.636	0.20773	2.22683	6 X
K02TC0Q	16.8	0.15	K1128	331.505	187.858	271.161	6.000	0.24873	2.54100	4 X
K02TC2N	16.9	0.15	K1128	31.906	70.236	294.070	7.938	0.18991	2.51484	4 X
K02TJ5Y	16.6	0.15	K1128	152.825	8.908	38.466	6.080	0.18087	2.26629	6 X
K02TK8L	16.7	0.15	K1128	3.792	138.838	272.029	2.811	0.24717	2.55265	5 X
K02TQ1B	16.6	0.15	K1128	231.577	156.502	191.856	8.005	0.15705	2.21373	6 X
K02TQ5J	17.3	0.15	K1128	125.412	33.029	17.287	4.877	0.09950	2.27689	5 X
K02TT8P	16.9	0.15	K1128	29.802	29.592	338.520	4.326	0.16923	2.55878	4 X
K02TY6E	16.0	0.15	K1128	229.204	276.893	70.348	10.404	0.05112	3.07231	4 X
K02TZ3Y	16.5	0.15	K1128	141.184	211.830	193.097	12.986	0.03332	3.11253	6 X
K02Tc5L	17.8	0.15	K1128	249.307	245.600	77.486	7.584	0.21633	2.19364	4 X
K02U03S	16.6	0.15	K1128	21.180	342.352	36.257	14.386	0.19110	2.54359	4 X
K02U16L	17.2	0.15	K1128	15.679	261.248	123.151	4.970	0.26922	2.55954	4 X
K02U58J	18.3	0.15	K1128	129.073	314.947	100.792	6.988	0.07525	2.27416	4 X
K02V03L	17.3	0.15	K1128	22.343	41.877	334.722	3.668	0.26334	2.56056	3 X
K02V21P	17.1	0.15	K1128	345.863	90.733	347.176	4.122	0.25013	2.55508	3 X
K02V24J	17.0	0.15	K1128	86.362	24.903	58.073	6.106	0.20322	2.34811	4 X
K02V62D	16.2	0.15	K1128	21.835	344.639	39.136	15.718	0.10601	2.56339	3 X
K02V74O	15.6	0.15	K1128	183.021	319.284	58.083	15.498	0.20122	3.17016	5 X
K02V83R	16.9	0.15	K1128	143.016	311.668	90.069	6.340	0.18606	2.30375	4 X
K02VA5E	17.2	0.15	K1128	347.717	128.042	312.131	3.165	0.27331	2.57071	3 X
K02VA6R	16.9	0.15	K1128	24.125	347.025	29.787	15.847	0.17956	2.56215	3 X
K02VA7F	17.1	0.15	K1128	355.387	179.981	244.632	13.697	0.23008	2.56363	3 X
K02VB6G	16.0	0.15	K1128	0.976	158.525	252.365	16.900	0.15398	2.57628	3 X
K02VC16	16.8	0.15	K1128	140.504	347.799	48.615	7.456	0.10528	2.31404	3 X
K02VC7S	15.1	0.15	K1128	209.782	279.869	76.840	22.644	0.19936	3.13788	6 X
K02VE3N	15.8	0.15	K1128	218.146	157.718	207.876	11.376	0.06915	3.11914	5 X
K02X17K	15.7	0.15	K1128	48.817	53.873	289.358	10.430	0.20758	2.57591	4 X
K02X28D	17.6	0.15	K1128	208.467	306.716	67.833	8.744	0.22110	2.21147	3 X
K02X49O	17.1	0.15	K1128	170.593	338.779	57.720	3.187	0.16197	2.26731	6 X
K02X81G	16.1	0.15	K1128	9.624	78.364	24.407	5.073	0.17427	2.53106	3 X
K03A13K	16.2	0.15	K1128	332.946	185.968	263.638	13.129	0.20311	2.64306	3 X
K03A22Z	15.3	0.15	K1128	15.087	251.064	310.407	21.354	0.30107	2.37056	4 X
K03A43V	16.0	0.15	K1128	339.586	349.376	87.214	15.174	0.22133	2.62789	5 X
K03A59A	16.5	0.15	K1128	15.562	343.902	104.555	7.232	0.25525	2.55447	4 X
K03A83P	18.1	0.15	K1128	347.146	342.111	88.576	14.106	0.26308	2.64601	3 X
K03B78Q	15.5	0.15	K1128	59.944	36.578	347.179	7.819	0.30474	2.54314	4 X
K03C16R	16.0	0.15	K1128	299.480	220.391	339.147	16.940	0.18027	2.59398	4 X
K03C25D	16.1	0.15	K1128	349.103	144.701	76.133	13.681	0.17611	2.41162	4 X
K03E39F	15.8	0.15	K1128	288.518	45.568	80.286	13.618	0.13216	2.79019	4 X
K03H04O	16.6	0.15	K1128	297.471	116.401	149.097	6.171	0.24208	2.56708	5 X
K03H44B	16.7	0.15	K1128	312.626	174.534	62.705	10.248	0.09662	2.54044	4 X
K03M04T	16.3	0.15	K1128	317.148	75.446	191.013	4.402	0.25138	2.56943	10 X
K03N13K	16.4	0.15	K1128	305.865	158.372	108.752	6.452	0.24346	2.62287	5 X
K03Q09K	17.1	0.15	K1128	282.284	127.960	171.216	6.535	0.24683	2.65335	5 X
K03Q99J	16.8	0.15	K1128	22.969	332.159	198.835	11.788	0.01897	2.82897	5 X
K03R08V	16.6	0.15	K1128	55.813	119.051	195.638	21.491	0.32656	2.32542	3 X
K03S06Q	16.2	0.15	K1128	252.337	156.676	186.672	11.915	0.12369	2.69895	5 X
K03S39A	17.1	0.15	K1128	22.776	88.150	295.616	6.688	0.22900	2.31643	3 X
K03S44D	16.7	0.15	K1128	39.520	85.330	277.588	6.174	0.16419	2.29296	3 X

K03S77O	15.8	0.15	K1128	254.138	142.256	206.878	10.672	0.31078	2.66969	6 X
K03S78F	17.7	0.15	K1128	7.625	78.000	326.713	6.047	0.18192	2.30475	4 X
K03SE8A	16.4	0.15	K1128	280.847	187.407	133.535	15.180	0.28602	2.62147	4 X
K03SJ4L	17.3	0.15	K1128	32.278	61.424	314.587	6.708	0.11871	2.29660	4 X
K03SJ4P	16.7	0.15	K1128	108.289	323.399	316.530	4.411	0.18466	2.31261	4 X
K03SK2S	15.9	0.15	K1128	235.452	172.784	167.190	5.261	0.10536	2.76153	5 X
K03SS1F	16.1	0.15	K1128	239.455	277.484	44.345	9.634	0.15559	2.81337	3 X
K03ST8M	16.0	0.15	K1128	180.483	325.386	68.291	5.307	0.17717	2.81358	5 X
K03SU0T	16.1	0.15	K1128	237.759	66.566	271.243	5.888	0.03912	2.76586	5 W
K03SW0B	16.0	0.15	K1128	293.958	202.771	348.549	11.066	0.04226	3.08436	4 X
K03Sc4T	17.2	0.15	K1128	252.385	173.253	138.136	4.364	0.08571	2.80878	4 X
K03Se0Q	17.4	0.15	K1128	22.379	312.200	66.254	11.228	0.21012	2.33986	4 X
K03T09P	15.6	0.15	K1128	312.156	56.173	219.509	25.095	0.23939	2.66533	3 X
K03U02R	16.2	0.15	K1128	45.435	99.563	21.855	25.977	0.19703	3.12786	3 X
K03U21H	16.1	0.15	K1128	281.267	242.585	79.373	7.422	0.27951	2.69342	4 X
K03U38R	16.4	0.15	K1128	229.053	265.141	63.072	11.543	0.13947	2.85738	3 X
K03U64E	16.6	0.15	K1128	46.500	199.163	148.579	11.429	0.15653	2.34533	3 X
K03U79Z	16.1	0.15	K1128	201.511	315.735	60.922	5.100	0.11878	2.80810	7 X
K03UE6A	15.7	0.15	K1128	254.908	283.284	67.204	8.891	0.30060	2.71949	4 X
K03UG6L	15.3	0.15	K1128	58.019	261.391	217.390	25.134	0.29983	3.16315	4 X
K03UI0M	16.6	0.15	K1128	58.187	148.513	183.174	4.682	0.16323	2.35202	5 X
K03UJ7B	15.8	0.15	K1128	249.604	109.420	204.966	14.357	0.16357	2.84259	3 X
K03UO3H	17.0	0.15	K1128	42.038	126.219	230.796	5.518	0.14428	2.35909	5 X
K03UO6X	16.2	0.15	K1128	182.282	9.288	358.521	1.276	0.11604	2.92316	6 X
K03UQ4L	17.0	0.15	K1128	338.571	346.740	83.900	7.185	0.08640	2.36744	4 X
K03UR9P	17.0	0.15	K1128	7.816	238.492	156.018	6.639	0.10801	2.33682	4 X
K03UW4X	16.7	0.15	K1128	347.172	64.487	209.515	17.246	0.20074	2.51447	2 S
K03Ua8N	16.7	0.15	K1128	348.777	131.263	73.082	10.814	0.04836	2.93016	4 X
K03V07M	17.4	0.15	K1128	37.756	47.860	310.387	0.694	0.19640	2.35793	5 X
K03W22N	16.5	0.15	K1128	260.257	266.065	97.749	18.166	0.38490	2.67643	3 X
K03W29K	16.5	0.15	K1128	56.311	64.044	45.203	23.629	0.21738	3.21113	3 X
K03W75D	16.3	0.15	K1128	215.830	7.715	345.151	5.699	0.14797	2.89456	6 X
K03WE1M	16.1	0.15	K1128	9.618	75.282	79.089	21.879	0.37525	2.25299	2 X
K03WH9S	16.3	0.15	K1128	126.775	5.602	53.572	14.853	0.11931	3.05919	4 X
K03WJ0X	17.0	0.15	K1128	46.985	79.387	262.852	5.987	0.22214	2.31953	5 X
K03WJ2W	17.1	0.15	K1128	52.551	345.211	53.389	4.773	0.25390	2.29182	5 X
K03X02B	15.0	0.15	K1128	193.054	277.685	78.646	10.900	0.11379	3.00334	5 X
K03Y24T	16.7	0.15	K1128	40.128	41.679	317.970	4.344	0.11672	2.39615	5 X
K03Y34Q	15.4	0.15	K1128	183.513	293.064	74.883	12.317	0.25853	2.99959	5 X
K03Y45X	14.7	0.15	K1128	50.925	78.893	60.965	24.793	0.18810	3.17991	6 X
K03Y48K	15.6	0.15	K1128	150.927	347.177	72.883	10.805	0.09630	3.01253	3 X
K03Y58D	16.5	0.15	K1128	300.318	23.050	98.189	6.290	0.14899	2.41779	4 X
K03Y71B	16.6	0.15	K1128	285.467	64.632	63.480	5.756	0.12126	2.41790	3 X
K03YD1A	14.8	0.15	K1128	53.726	57.027	82.521	21.710	0.07287	3.19778	5 X
K03YE1W	15.2	0.15	K1128	191.413	336.840	47.471	12.062	0.10308	3.02182	4 X
K04D19P	16.9	0.15	K1128	341.246	166.804	277.350	10.783	0.21962	2.43927	4 X
K04E07T	17.6	0.15	K1128	331.116	176.265	39.154	2.889	0.16920	2.29482	5 X
K04E82F	18.0	0.15	K1128	340.554	106.957	100.173	5.938	0.24107	2.27771	2 X
K04F04U	18.4	0.15	K1128	52.571	46.255	31.616	23.254	0.26367	1.26010	3 X
K04F05Y	17.6	0.15	K1128	17.296	14.285	119.412	12.533	0.35055	2.25389	3 X
K04F52C	17.2	0.15	K1128	8.183	15.921	147.999	3.067	0.09692	2.29644	3 X
K04F85R	17.8	0.15	K1128	327.971	114.730	108.654	6.047	0.14651	2.25444	6 X
K04FC9V	15.9	0.15	K1128	207.778	123.665	73.592	13.613	0.11520	2.64427	6 X
K04G00P	19.5	0.15	K1128	62.673	278.572	115.737	14.547	0.48849	0.69655	3 X
K04G19A	17.3	0.15	K1128	336.488	96.792	117.185	11.463	0.10885	2.29633	5 X
K04G25T	17.8	0.15	K1128	74.798	273.919	204.737	5.957	0.07278	2.27937	4 X
K04G76Y	17.2	0.15	K1128	350.418	19.072	52.348	33.016	0.07090	1.88847	3 X
K04H10C	17.1	0.15	K1128	315.312	173.237	67.682	7.329	0.21894	2.33609	3 X
K04H28F	17.0	0.15	K1128	307.361	154.116	100.408	4.728	0.14823	2.31665	5 X
K04H34T	17.5	0.15	K1128	324.971	12.918	210.198	6.025	0.12824	2.29127	4 X
K04J13R	17.3	0.15	K1128	292.699	216.821	66.696	6.424	0.16431	2.30352	4 X
K04J16W	17.2	0.15	K1128	271.894	234.275	56.197	7.688	0.10633	2.33942	4 X
K04J33E	16.8	0.15	K1128	297.121	80.255	193.295	6.635	0.10620	2.30599	5 X
K04K01A	18.2	0.15	K1128	232.689	258.065	85.360	14.494	0.15265	1.75178	4 X
K04O03G	17.5	0.15	K1128	300.512	130.291	153.145	3.551	0.21012	2.36922	5 X
K04P18T	17.3	0.15	K1128	254.283	128.068	181.732	2.230	0.17262	2.46839	4 X
K04Q26W	15.0	0.15	K1128	74.789	43.695	281.463	9.206	0.03849	3.12366	6 X
K04R14N	17.0	0.15	K1128	297.653	32.803	245.248	2.875	0.14780	2.43234	5 X
K04R41C	17.3	0.15	K1128	258.763	163.210	138.108	2.634	0.18730	2.49077	5 X
K04RA7J	15.9	0.15	K1128	14.321	62.273	324.088	9.692	0.09839	3.19051	4 X
K04RE5N	17.2	0.15	K1128	199.151	342.481	22.678	3.046	0.18701	2.53687	5 X
K04RH4Y	15.1	0.15	K1128	46.815	51.867	291.210	10.186	0.13305	3.18334	3 X
K04RM2V	15.2	0.15	K1128	34.510	117.638	341.518	24.203	0.46385	3.14990	5 X
K04RN0T	16.1	0.15	K1128	95.925	258.671	195.504	21.539	0.04395	2.66545	6 X
K04RN3O	17.6	0.15	K1128	173.475	246.518	127.360	1.151	0.11886	2.64828	7 X
K04RU6S	15.9	0.15	K1128	181.415	320.244	56.094	14.422	0.25631	2.65255	5 X
K04RU8Z	15.1	0.15	K1128	318.438	76.660	8.808	11.920	0.04377	3.18527	3 X

K04RX3U	16.8	0.15	K1128	209.870	234.795	122.451	7.001	0.22779	2.53778	6 X
K04RY1D	15.2	0.15	K1128	74.672	74.262	227.357	15.238	0.23041	3.14737	5 X
K04S08B	15.4	0.15	K1128	238.679	351.721	173.579	17.192	0.06698	3.19722	6 X
K04T35J	16.8	0.15	K1128	54.601	105.242	15.935	4.276	0.07964	2.73566	4 X
K04T53E	16.6	0.15	K1128	200.555	319.110	33.762	8.512	0.13911	2.65724	4 X
K04TC3K	16.1	0.15	K1128	179.279	191.487	185.679	13.705	0.16076	2.64333	3 X
K04TD1M	15.6	0.15	K1128	142.963	213.445	205.477	12.199	0.16012	2.68555	7 X
K04TD7Y	17.7	0.15	K1128	73.948	253.501	198.449	21.310	0.10196	1.93839	4 X
K04TE5V	17.4	0.15	K1128	229.814	201.126	137.052	2.100	0.15615	2.54082	5 X
K04TI8T	16.3	0.15	K1128	68.911	280.353	202.945	8.518	0.16142	2.69438	7 X
K04TL1K	16.3	0.15	K1128	332.657	24.826	218.294	14.894	0.19631	2.55259	4 X
K04TM0R	17.9	0.15	K1128	254.442	285.463	33.101	11.902	0.20159	2.53955	4 X
K04TM0T	15.9	0.15	K1128	177.357	355.308	15.629	13.883	0.10917	2.71406	3 X
K04TW3S	16.7	0.15	K1128	98.574	23.169	59.784	5.509	0.03771	2.77115	3 X
K04V21G	16.1	0.15	K1128	239.947	283.815	61.898	14.810	0.15593	2.56443	5 X
K04V41T	16.7	0.15	K1128	293.612	218.920	65.313	4.396	0.12592	2.59339	6 X
K04V41W	16.6	0.15	K1128	38.043	114.803	49.464	13.570	0.05861	2.70008	3 X
K04V51B	16.9	0.15	K1128	271.177	194.649	123.258	4.221	0.19595	2.53681	6 X
K04V53Y	15.7	0.15	K1128	177.433	292.877	76.778	9.830	0.20205	2.72088	5 X
K04V74M	16.5	0.15	K1128	215.665	267.440	77.140	10.895	0.23125	2.62262	4 X
K04X12G	16.1	0.15	K1128	130.820	341.662	74.450	8.443	0.12920	2.79870	3 X
K04X38F	15.1	0.15	K1128	12.197	329.595	126.876	15.786	0.27940	3.17676	5 X
K04X72W	15.7	0.15	K1128	259.987	226.814	105.782	7.899	0.17467	2.55271	5 X
K04XJ1S	15.7	0.15	K1128	45.238	81.653	28.353	14.895	0.24640	3.12158	3 X
K05A17G	15.4	0.15	K1128	189.197	260.829	110.837	17.963	0.17376	2.79902	7 X
K05B04D	16.2	0.15	K1128	181.760	234.242	159.795	4.803	0.07712	2.79871	7 X
K05C29A	16.1	0.15	K1128	72.400	336.398	131.590	10.879	0.06424	3.07994	4 X
K05C30K	17.1	0.15	K1128	111.940	192.403	96.364	2.994	0.04902	2.31911	5 X
K05C47K	16.0	0.15	K1128	357.495	51.944	145.337	16.622	0.05400	3.07168	4 X
K05C48Q	14.9	0.15	K1128	12.192	36.195	155.021	28.192	0.11934	3.08902	6 X
K05C60Y	17.3	0.15	K1128	16.670	44.117	350.682	5.002	0.15675	2.22406	4 X
K05E46P	16.6	0.15	K1128	57.575	313.894	165.175	19.248	0.26118	3.07506	5 X
K05E75P	16.3	0.15	K1128	22.617	147.966	12.200	0.339	0.07490	3.22627	4 X
K05EB2G	15.0	0.15	K1128	32.883	3.779	161.670	17.594	0.15239	3.14893	4 X
K05EH4D	16.8	0.15	K1128	38.306	311.524	186.299	17.732	0.19791	3.20280	4 X
K05EK5O	15.5	0.15	K1128	290.323	84.634	190.230	15.363	0.03831	3.19674	3 X
K05EM3E	15.3	0.15	K1128	327.911	96.365	139.241	16.824	0.11225	3.23037	3 X
K05EM5E	15.2	0.15	K1128	34.114	55.131	107.362	27.679	0.19424	3.15644	3 X
K05G22E	15.6	0.15	K1128	335.146	167.393	75.857	10.593	0.05010	3.16698	6 X
K05G66T	16.8	0.15	K1128	3.306	9.047	197.063	4.627	0.14145	3.20974	4 X
K05GM0S	16.8	0.15	K1128	2.049	33.339	17.936	6.792	0.12697	2.37303	3 X
K05GM7G	17.4	0.15	K1128	0.703	15.200	38.746	3.343	0.16653	2.39866	5 X
K05J43O	16.3	0.15	K1128	87.401	210.764	81.541	14.776	0.19491	2.62517	4 X
K05J72B	16.3	0.15	K1128	339.601	54.665	183.887	5.422	0.13014	3.18809	2 X
K05JB8G	16.7	0.15	K1128	36.815	256.356	84.529	13.475	0.28477	2.69270	4 X
K05JI5H	17.2	0.15	K1128	257.990	279.680	237.457	5.796	0.04962	2.40290	5 X
K05L35K	16.7	0.15	K1128	64.403	46.317	275.516	13.408	0.19887	2.73653	2 X
K05M14B	16.8	0.15	K1128	276.125	17.372	115.996	7.350	0.06054	2.47034	4 X
K05M35V	18.3	0.15	K1128	263.667	283.162	9.324	1.182	0.12079	2.19544	4 X
K05M37E	16.5	0.15	K1128	351.716	274.447	135.293	6.498	0.04184	2.70799	6 X
K05M38H	17.3	0.15	K1128	324.745	93.132	124.411	7.608	0.04688	2.23119	4 X
K05N13M	16.3	0.15	K1128	119.056	141.532	133.689	6.599	0.08065	2.65718	6 X
K05N60Q	16.5	0.15	K1128	214.108	216.027	123.208	8.083	0.15808	2.26803	7 X
K05N76Q	18.8	0.15	K1128	256.387	172.099	145.786	5.103	0.23291	2.17172	4 X
K05NC2X	17.1	0.15	K1128	196.009	232.936	128.592	7.168	0.15367	2.25355	3 X
K05P02H	20.4	0.15	K1128	33.385	343.471	96.477	5.756	0.60416	1.42341	2 W
K05Q29B	17.5	0.15	K1128	318.745	112.746	137.105	4.043	0.15456	2.19349	2 X
K05Q35S	17.1	0.15	K1128	161.900	241.738	145.448	6.284	0.15067	2.32803	5 X
K05Q49Z	17.2	0.15	K1128	242.626	259.844	59.234	6.301	0.11374	2.25642	6 X
K05QF0Y	17.3	0.15	K1128	293.109	94.067	170.165	6.979	0.09649	2.27309	5 X
K05QI9B	15.0	0.15	K1128	281.874	258.576	55.406	12.395	0.30754	3.95688	2 S
K05R02U	16.6	0.15	K1128	220.591	155.709	207.672	4.863	0.21528	2.23150	6 X
K05R10T	17.3	0.15	K1128	250.348	232.792	82.037	7.389	0.15841	2.20897	4 X
K05R44W	14.6	0.15	K1128	265.399	178.000	141.641	9.588	0.27431	3.97170	5 X
K05R45X	17.2	0.15	K1128	222.108	190.499	145.049	7.381	0.13554	2.30340	4 X
K05S09S	17.4	0.15	K1128	203.129	141.956	211.720	2.772	0.24291	2.31003	7 X
K05S17D	17.9	0.15	K1128	251.860	334.694	325.446	1.970	0.08306	2.30703	6 X
K05S55B	17.4	0.15	K1128	123.031	233.431	183.197	1.692	0.15979	2.42519	4 X
K05S68V	17.2	0.15	K1128	289.449	104.084	191.854	7.234	0.23235	2.18536	5 X
K05S71A	18.7	0.15	K1128	242.016	283.650	44.362	20.207	0.36761	1.61819	4 X
K05S79B	17.5	0.15	K1128	232.489	140.365	175.967	8.736	0.07257	2.31835	2 X
K05S83D	17.6	0.15	K1128	247.591	117.406	192.766	6.663	0.14448	2.27881	2 S
K05S88K	16.5	0.15	K1128	344.129	211.785	209.247	12.781	0.11233	2.97524	6 X
K05S95Z	17.7	0.15	K1128	239.552	182.822	137.292	2.301	0.21478	2.26483	6 X
K05SA7E	16.8	0.15	K1128	204.338	154.491	199.923	25.337	0.12367	2.28242	4 X
K05SD9V	17.7	0.15	K1128	255.949	158.641	167.828	3.508	0.15322	2.22062	6 X
K05SE4E	17.2	0.15	K1128	110.373	275.821	161.517	5.371	0.02614	2.35670	6 X

K05SG4T	16.5	0.15	K1128	179.401	215.320	154.076	6.464	0.30189	2.36243	5 X
K05SK0G	17.7	0.15	K1128	38.623	95.521	37.441	2.041	0.12522	2.44450	4 X
K05SL7T	16.7	0.15	K1128	164.569	209.073	177.402	5.214	0.11628	2.37600	6 X
K05SL8J	16.7	0.15	K1128	208.670	194.624	159.658	4.832	0.17256	2.31284	7 X
K05SM6W	16.9	0.15	K1128	288.221	158.480	39.307	3.784	0.04010	2.55015	4 X
K05SQ0J	17.5	0.15	K1128	264.368	232.097	82.276	3.835	0.16659	2.22145	5 X
K05SR1D	17.4	0.15	K1128	213.364	268.021	90.862	5.900	0.10988	2.27297	4 X
K05SS1A	15.8	0.15	K1128	323.031	74.441	18.886	12.434	0.09835	2.96469	3 X
K05SS3N	16.4	0.15	K1128	51.843	257.682	82.208	12.139	0.09277	2.99277	3 X
K05SS5F	16.3	0.15	K1128	358.792	295.450	103.528	11.420	0.13324	3.02928	3 X
K05SS8K	16.4	0.15	K1128	322.126	16.246	63.818	12.260	0.05867	2.98150	4 X
K05T18U	16.9	0.15	K1128	156.368	252.240	140.757	3.150	0.11130	2.37481	4 X
K05T61V	14.8	0.15	K1128	259.398	64.515	76.592	10.720	0.06256	3.49037	3 X
K05T68O	17.7	0.15	K1128	31.245	340.134	161.288	4.178	0.09575	2.35724	5 X
K05T73R	17.0	0.15	K1128	259.187	273.471	28.972	7.008	0.18145	2.22794	4 X
K05T89V	18.2	0.15	K1128	293.483	126.622	157.771	3.168	0.17083	2.20494	3 X
K05U08Z	17.0	0.15	K1128	226.724	307.383	51.989	7.056	0.24173	2.23248	4 X
K05U37M	17.1	0.15	K1128	246.727	277.606	59.963	5.995	0.19168	2.27513	5 X
K05U56R	15.7	0.15	K1128	43.467	352.028	0.829	9.747	0.10955	2.99399	3 X
K05U57F	16.2	0.15	K1128	21.982	176.392	190.642	9.554	0.26364	3.00623	3 X
K05U73A	17.5	0.15	K1128	329.464	228.924	222.661	20.540	0.12147	1.89605	2 X
K05U79N	16.2	0.15	K1128	340.027	348.472	86.280	5.138	0.23558	3.05699	2 X
K05U98A	17.7	0.15	K1128	36.324	272.503	211.475	12.474	0.23224	2.61025	4 X
K05UA8E	15.3	0.15	K1128	34.908	293.509	51.833	27.356	0.19950	3.07960	3 X
K05UD1Z	16.7	0.15	K1128	22.145	173.897	193.053	16.451	0.28306	3.03929	2 X
K05UE1J	15.6	0.15	K1128	352.962	205.806	203.567	11.120	0.12669	3.06250	3 X
K05UI6U	17.8	0.15	K1128	31.800	107.454	24.383	4.955	0.21371	2.60213	3 X
K05UK5Z	17.2	0.15	K1128	351.420	147.864	58.655	6.301	0.15690	2.43566	5 X
K05UN0B	16.0	0.15	K1128	77.287	236.981	51.985	17.437	0.25095	3.10547	4 X
K05UN3P	17.5	0.15	K1128	255.808	170.491	149.235	3.386	0.22828	2.27086	4 X
K05UN4P	18.0	0.15	K1128	87.709	34.182	78.594	5.823	0.05587	2.41060	3 X
K05UN4X	17.7	0.15	K1128	4.728	63.679	132.507	3.829	0.03170	2.39949	5 X
K05UU0W	15.9	0.15	K1128	304.346	15.293	83.159	11.980	0.04896	3.11168	3 X
K05UV2Y	15.4	0.15	K1128	337.952	181.699	251.506	8.096	0.11746	3.04411	3 X
K05UV4T	15.5	0.15	K1128	329.147	8.415	62.068	10.805	0.05875	3.02121	5 X
K05UY7H	17.6	0.15	K1128	357.218	133.831	67.660	2.307	0.12870	2.43186	4 X
K05Uc2S	17.3	0.15	K1128	241.704	205.173	124.313	5.405	0.21291	2.25577	5 X
K05Uc6B	15.4	0.15	K1128	352.344	346.100	59.172	13.496	0.08988	3.10200	3 X
K05Uh3G	15.7	0.15	K1128	262.516	78.279	69.157	2.795	0.12694	3.14944	4 X
K05Ui1M	15.8	0.15	K1128	2.560	14.988	28.925	10.599	0.17314	3.02657	2 X
K05Ui3N	16.1	0.15	K1128	47.977	357.129	344.134	5.288	0.16264	2.97775	5 X
K05Ui6A	16.4	0.15	K1128	26.085	227.326	137.264	1.513	0.18667	3.09468	3 X
K05Uj4S	17.1	0.15	K1128	148.248	237.855	161.218	6.272	0.11122	2.39091	7 X
K05Uk4D	17.1	0.15	K1128	24.307	101.889	74.011	6.957	0.07870	2.38545	4 X
K05U17E	16.2	0.15	K1128	355.798	94.656	317.581	3.958	0.15295	3.08042	4 X
K05Um8A	16.0	0.15	K1128	43.503	67.159	267.662	12.783	0.27201	2.96836	2 X
K05Up8K	16.1	0.15	K1128	356.051	274.689	125.166	11.262	0.06871	3.07479	5 X
K05V01B	17.2	0.15	K1128	120.979	48.425	238.427	22.164	0.06315	1.87988	3 X
K05V33O	15.5	0.15	K1128	279.271	133.915	359.496	9.416	0.07108	2.98727	6 X
K05V55Z	16.0	0.15	K1128	149.760	5.201	236.922	10.547	0.11954	3.03720	5 X
K05W15M	17.2	0.15	K1128	280.620	37.069	257.962	2.233	0.13551	2.34719	6 X
K05W37J	15.9	0.15	K1128	0.560	320.884	78.439	11.693	0.05261	3.18105	3 X
K05W51O	17.2	0.15	K1128	34.867	108.326	41.182	1.580	0.08924	2.55223	5 X
K05W72M	14.9	0.15	K1128	349.458	164.329	253.947	16.242	0.11051	3.10832	2 X
K05W73M	15.3	0.15	K1128	338.168	358.377	73.975	19.021	0.19070	3.16337	7 X
K05W91N	15.8	0.15	K1128	19.857	293.111	76.258	18.699	0.30500	3.09412	3 X
K05W94C	15.8	0.15	K1128	7.943	138.699	258.319	2.674	0.18644	3.09811	4 X
K05WA1D	15.5	0.15	K1128	295.423	43.047	75.026	11.224	0.17208	3.18553	3 X
K05WB3O	17.0	0.15	K1128	68.342	72.511	262.340	18.026	0.10847	1.89317	2 X
K05WD4E	17.3	0.15	K1128	240.700	258.503	88.785	5.633	0.17799	2.36353	5 X
K05WE6O	15.8	0.15	K1128	9.987	329.029	58.810	10.314	0.09760	3.16499	3 X
K05WG3P	15.7	0.15	K1128	74.669	265.387	52.301	5.033	0.04980	3.23111	5 X
K05WH7O	16.1	0.15	K1128	323.559	303.290	280.687	13.752	0.14259	2.62013	4 X
K05WI4W	15.5	0.15	K1128	339.147	9.866	53.756	10.820	0.10925	3.13170	3 X
K05WI6Q	16.3	0.15	K1128	336.164	150.354	287.462	4.394	0.13452	3.04714	3 X
K05WJ6K	16.2	0.15	K1128	34.621	22.278	123.771	14.118	0.11227	2.71730	4 X
K05X19W	17.4	0.15	K1128	64.552	60.482	46.943	3.656	0.10266	2.56472	4 X
K05X21Y	15.7	0.15	K1128	328.000	171.842	273.448	4.161	0.13966	3.11048	5 X
K05X28U	15.6	0.15	K1128	335.188	38.694	36.259	11.689	0.08690	3.09402	2 X
K05X40Z	17.4	0.15	K1128	235.053	220.892	91.525	7.086	0.03511	2.55067	5 X
K05X60H	17.1	0.15	K1128	346.638	125.603	78.767	6.584	0.19041	2.57770	4 X
K05X75B	16.5	0.15	K1128	132.857	8.450	33.218	4.072	0.15945	2.56225	5 X
K05Y18D	16.3	0.15	K1128	347.266	270.434	260.568	24.263	0.33147	2.74712	2 X
K05Y41T	17.1	0.15	K1128	111.909	327.188	101.513	4.200	0.15114	2.59512	6 X
K05Y80V	17.2	0.15	K1128	272.999	182.842	108.597	6.508	0.18267	2.52637	4 X
K05Y94S	15.7	0.15	K1128	357.223	65.101	350.911	9.496	0.18600	3.03080	3 X
K05YA6V	16.9	0.15	K1128	10.614	77.568	97.579	3.259	0.12961	2.64560	4 X



K05YB2Y	17.4	0.15	K1128	56.662	4.989	108.396	7.414	0.16243	2.65914	3 X
K05YD1H	17.2	0.15	K1128	66.715	348.587	120.140	5.508	0.14892	2.67842	3 X
K05YH2F	16.0	0.15	K1128	92.830	46.760	58.297	15.237	0.07266	2.59227	7 X
K05YM9H	16.5	0.15	K1128	329.489	90.515	138.547	15.358	0.14920	2.74362	4 X
K05YN1E	16.1	0.15	K1128	1.456	326.797	71.909	6.246	0.15054	3.18037	4 X
K06A10S	16.0	0.15	K1128	52.821	61.312	83.041	4.997	0.11145	2.63693	6 X
K06A12T	16.1	0.15	K1128	355.952	139.308	276.942	8.248	0.17940	3.13229	4 X
K06A21Q	15.8	0.15	K1128	356.849	121.622	97.948	15.714	0.06281	2.57072	4 X
K06A32W	16.8	0.15	K1128	63.004	56.352	65.585	13.822	0.22054	2.67641	3 X
K06A34L	16.3	0.15	K1128	107.040	30.374	62.464	14.371	0.13705	2.58079	4 X
K06A34S	16.9	0.15	K1128	124.282	328.375	87.166	3.144	0.05926	2.61817	6 X
K06A57E	17.4	0.15	K1128	334.214	210.787	2.799	0.912	0.06843	2.61840	6 X
K06A67N	16.5	0.15	K1128	139.959	270.017	130.702	14.417	0.12851	2.59880	5 X
K06B01E	16.0	0.15	K1128	320.290	97.245	6.591	12.774	0.18512	3.22119	3 X
K06B45U	17.1	0.15	K1128	353.621	59.748	152.197	4.696	0.06570	2.69676	7 X
K06B68T	17.5	0.15	K1128	358.274	187.881	356.929	2.031	0.12427	2.73217	3 X
K06B80E	16.4	0.15	K1128	344.890	80.378	128.875	12.314	0.17649	2.81173	2 X
K06B82E	16.2	0.15	K1128	117.447	13.333	68.376	3.317	0.11916	2.65222	3 X
K06B90L	16.7	0.15	K1128	123.628	272.980	135.985	6.821	0.06981	2.76891	5 X
K06B95V	16.4	0.15	K1128	247.346	187.993	158.751	17.654	0.22238	2.55295	6 X
K06BB3R	17.3	0.15	K1128	87.119	340.838	106.534	3.300	0.17850	2.67791	4 X
K06BE2L	16.8	0.15	K1128	76.645	131.479	334.606	4.396	0.12073	2.71987	5 X
K06BF2G	16.7	0.15	K1128	86.211	330.945	120.064	7.090	0.10599	2.71122	3 X
K06BL1Y	16.6	0.15	K1128	318.887	98.508	147.863	13.209	0.19593	2.80088	2 X
K06BL5F	16.4	0.15	K1128	58.460	339.407	137.639	9.605	0.08188	2.72001	6 X
K06BN2M	16.3	0.15	K1128	117.975	355.346	71.770	4.105	0.11803	2.63444	6 X
K06BP9D	16.5	0.15	K1128	278.388	173.094	108.436	2.800	0.04841	2.71927	7 X
K06BQ6N	16.0	0.15	K1128	3.332	2.834	190.953	11.852	0.17216	2.95712	4 X
K06C36V	17.2	0.15	K1128	316.374	145.204	115.987	3.108	0.14300	2.64577	3 X
K06C40F	17.1	0.15	K1128	56.562	117.985	1.021	7.576	0.17905	2.77597	4 X
K06C68Y	17.2	0.15	K1128	123.894	26.958	41.810	3.469	0.02349	2.69335	5 X
K06D00C	15.7	0.15	K1128	27.983	57.258	107.841	10.581	0.08653	2.69993	4 X
K06D30U	16.6	0.15	K1128	356.420	42.901	167.291	4.978	0.09349	2.75604	6 X
K06D31W	16.6	0.15	K1128	323.073	81.264	170.156	4.668	0.04859	2.70690	6 X
K06D32K	16.8	0.15	K1128	57.352	320.313	168.157	4.866	0.18134	2.75617	4 X
K06D52H	16.8	0.15	K1128	94.610	7.008	107.528	3.216	0.01825	2.66889	6 X
K06D57N	16.9	0.15	K1128	319.289	329.723	266.594	1.400	0.12509	2.84693	5 X
K06D62X	15.0	0.15	K1128	297.679	194.237	9.752	28.261	0.11538	3.11608	4 X
K06DA3J	17.1	0.15	K1128	241.486	190.894	148.709	2.565	0.09183	2.65583	4 X
K06DA8Q	16.6	0.15	K1128	348.964	25.770	193.050	4.807	0.10025	2.77485	7 X
K06DB1D	15.8	0.15	K1128	284.187	204.232	10.011	27.987	0.10095	3.08468	4 X
K06DE3Y	17.0	0.15	K1128	350.631	55.647	145.729	3.006	0.15654	2.81142	2 X
K06DH2G	16.2	0.15	K1128	189.158	212.908	154.609	6.866	0.04660	2.77396	5 X
K06DK4C	16.1	0.15	K1128	357.719	355.077	213.016	15.062	0.07043	2.75491	5 X
K06E40W	17.0	0.15	K1128	227.162	268.397	64.187	1.404	0.07327	2.81152	4 X
K06E44Y	16.6	0.15	K1128	201.893	255.002	120.867	3.430	0.10942	2.67282	9 X
K06E51Z	16.4	0.15	K1128	264.810	141.370	178.308	9.419	0.17106	2.71747	5 X
K06E73M	17.0	0.15	K1128	194.105	217.544	164.450	3.869	0.08348	2.70423	5 X
K06F07N	16.1	0.15	K1128	219.765	133.553	195.219	9.654	0.02348	2.96681	5 X
K06F19S	16.5	0.15	K1128	341.104	164.964	40.346	2.425	0.03591	2.98113	7 X
K06G19L	17.1	0.15	K1128	346.067	121.467	87.618	3.204	0.03221	2.92192	6 X
K06G50V	14.7	0.15	K1128	322.753	104.210	67.521	18.178	0.04662	3.21048	4 X
K06H10C	16.0	0.15	K1128	147.547	237.273	167.598	11.393	0.09749	2.92299	5 X
K06H30O	15.8	0.15	K1128	339.614	64.095	119.774	8.500	0.33161	3.05695	2 X
K06H46E	15.6	0.15	K1128	15.621	63.492	113.876	14.053	0.12047	2.85761	4 X
K06H53E	15.6	0.15	K1128	336.685	66.783	104.277	24.126	0.24057	3.12386	3 X
K06H63C	16.6	0.15	K1128	238.591	184.244	157.780	2.329	0.06838	2.88753	5 X
K06H65V	16.6	0.15	K1128	205.089	297.393	57.648	6.144	0.05610	3.00980	5 X
K06H69J	15.7	0.15	K1128	219.740	285.038	54.899	11.948	0.05652	3.05062	4 X
K06H76D	15.2	0.15	K1128	210.085	123.987	206.007	23.742	0.13124	3.25074	5 X
K06H84B	15.8	0.15	K1128	133.948	319.916	90.819	8.582	0.01616	3.13667	7 X
K06H96J	16.6	0.15	K1128	33.611	76.329	47.691	17.059	0.26991	3.05838	4 X
K06HA1P	15.6	0.15	K1128	214.065	266.994	79.390	10.668	0.08761	3.08168	4 X
K06HF3R	16.0	0.15	K1128	205.325	193.681	155.223	12.863	0.12602	3.14692	4 X
K06HF4K	16.7	0.15	K1128	306.261	121.349	132.448	4.102	0.04810	3.03949	3 X
K06J07H	15.7	0.15	K1128	79.108	252.171	206.370	8.333	0.08670	3.07211	4 X
K06J12F	16.5	0.15	K1128	51.819	310.455	188.601	9.250	0.05064	3.05235	6 X
K06J16V	16.3	0.15	K1128	284.154	163.070	108.401	4.056	0.08608	3.05925	4 X
K06J35T	16.1	0.15	K1128	145.897	328.756	73.128	11.194	0.07008	3.12051	4 X
K06J37G	16.4	0.15	K1128	323.729	72.953	153.497	5.593	0.06989	2.97655	6 X
K06J55G	16.0	0.15	K1128	274.750	226.070	58.695	11.267	0.11284	3.09144	4 X
K06K06P	16.3	0.15	K1128	240.909	257.349	66.906	0.302	0.16046	3.10733	4 X
K06K40S	18.5	0.15	K1128	72.060	57.392	33.675	21.771	0.05310	1.85016	3 X
K06K45Y	16.1	0.15	K1128	275.220	176.073	110.549	2.483	0.16776	3.10447	6 X
K06K73U	16.1	0.15	K1128	286.069	100.948	177.749	10.304	0.08098	3.08079	5 X
K06K74S	16.1	0.15	K1128	42.623	324.016	185.170	9.409	0.05309	3.07937	5 X
K06K97T	16.2	0.15	K1128	161.942	187.038	198.498	8.945	0.05795	3.02340	7 X

K06KB8G	17.6	0.15	K1128	263.263	132.323	166.490	19.199	0.10096	1.83601	5 X
K06KC9U	15.9	0.15	K1128	290.555	238.118	52.303	3.623	0.10290	3.00292	5 X
K06P28K	16.7	0.15	K1128	193.663	259.293	91.745	24.344	0.08877	1.98639	5 X
K06Q01M	16.7	0.15	K1128	107.156	193.320	86.969	7.314	0.09678	2.41609	6 X
K06Q72C	17.6	0.15	K1128	351.669	69.211	351.612	6.211	0.11252	2.44770	4 X
K06R02R	15.6	0.15	K1128	98.982	276.076	1.948	12.866	0.28335	2.42927	3 X
K06R53H	17.3	0.15	K1128	40.552	316.738	29.093	3.455	0.27361	2.56010	3 X
K06R94S	16.0	0.15	K1128	196.891	2.939	204.310	13.919	0.22929	2.53921	4 X
K06S48T	16.5	0.15	K1128	14.411	186.187	198.901	6.250	0.31292	2.61840	3 X
K06SI7B	17.0	0.15	K1128	17.813	171.752	214.657	0.903	0.19537	2.62384	5 X
K06SK9H	17.4	0.15	K1128	5.416	236.006	170.648	7.235	0.39528	2.59655	2 X
K06SL1P	17.1	0.15	K1128	19.791	240.574	141.152	6.122	0.16984	2.56606	4 X
K06SR3N	16.8	0.15	K1128	7.882	15.471	27.274	5.096	0.24626	2.60826	4 X
K06SS4V	17.2	0.15	K1128	27.170	311.111	58.187	6.478	0.17529	2.56749	4 X
K06SZ9H	16.8	0.15	K1128	1.670	13.258	41.545	15.055	0.25258	2.58614	3 X
K06Sa1E	16.7	0.15	K1128	29.509	160.907	204.655	13.643	0.10998	2.63313	3 X
K06Sa6T	16.5	0.15	K1128	157.089	331.997	273.971	5.829	0.07660	2.46432	6 X
K06Sc8T	16.2	0.15	K1128	270.114	49.636	83.281	11.839	0.04477	2.61833	5 X
K06T04P	17.1	0.15	K1128	336.040	313.063	125.939	4.890	0.15789	2.55238	4 X
K06T10A	17.7	0.15	K1128	29.693	177.006	179.480	4.958	0.30045	2.60216	2 X
K06T12X	15.9	0.15	K1128	104.031	39.274	244.649	12.681	0.14314	2.54437	3 X
K06T14K	17.3	0.15	K1128	41.899	257.206	79.507	5.438	0.26610	2.59413	3 X
K06T37D	17.0	0.15	K1128	34.355	318.074	34.186	14.408	0.27650	2.59886	3 X
K06T52E	16.7	0.15	K1128	21.147	313.332	57.666	7.395	0.24467	2.64363	4 X
K06T55G	17.1	0.15	K1128	355.955	258.478	156.225	7.910	0.18584	2.60021	4 X
K06T71B	16.9	0.15	K1128	42.250	340.049	11.454	12.321	0.18584	2.55884	2 X
K06T75L	16.9	0.15	K1128	352.228	318.021	102.734	5.426	0.23480	2.60410	4 X
K06T81Q	17.1	0.15	K1128	7.396	119.046	284.313	2.804	0.21272	2.58748	4 X
K06T89J	16.4	0.15	K1128	348.116	189.830	232.367	10.157	0.10046	2.61938	2 X
K06T89V	16.3	0.15	K1128	47.849	103.544	233.185	11.921	0.21822	2.62354	3 X
K06T91R	16.2	0.15	K1128	131.673	225.941	41.328	15.472	0.08619	2.64355	3 X
K06TA5Q	15.8	0.15	K1128	68.671	316.103	13.160	14.545	0.12418	2.59733	3 X
K06TA9J	14.4	0.15	K1128	258.053	223.248	98.734	5.763	0.18477	3.98749	6 X
K06TDOE	17.9	0.15	K1128	17.116	25.174	355.990	9.520	0.38686	2.59370	2 X
K06U07G	17.1	0.15	K1128	359.870	261.690	144.827	3.061	0.14455	2.61681	4 X
K06U07S	17.1	0.15	K1128	13.609	200.238	182.662	4.349	0.22052	2.63209	5 X
K06U16E	17.6	0.15	K1128	90.681	278.295	160.697	3.094	0.06426	2.18133	6 X
K06U33M	16.5	0.15	K1128	317.940	246.348	211.067	16.689	0.14812	2.62091	3 X
K06U34A	15.2	0.15	K1128	271.241	153.038	147.032	1.436	0.19079	3.95748	4 X
K06U55G	16.8	0.15	K1128	315.013	203.265	265.295	3.827	0.16613	2.62440	5 X
K06U69J	16.4	0.15	K1128	34.345	304.909	52.877	16.192	0.19929	2.60702	2 X
K06U74R	17.4	0.15	K1128	332.208	147.427	306.414	2.942	0.22768	2.57764	5 X
K06U78L	17.5	0.15	K1128	10.316	19.055	19.486	12.797	0.19124	2.57284	3 X
K06U84N	16.7	0.15	K1128	16.995	335.332	52.947	2.854	0.09895	2.63803	3 X
K06U86Y	17.6	0.15	K1128	126.551	20.003	28.156	2.919	0.10122	2.15401	4 X
K06UA4T	16.8	0.15	K1128	332.649	338.903	104.456	3.142	0.17557	2.64264	5 X
K06UE3M	17.7	0.15	K1128	23.617	327.867	44.434	5.659	0.32028	2.57288	2 X
K06UI8C	15.8	0.15	K1128	324.385	156.271	296.939	10.452	0.08852	2.53158	5 X
K06UK4C	15.9	0.15	K1128	77.120	39.896	280.474	9.581	0.08002	2.59635	4 X
K06UL1P	16.7	0.15	K1128	10.308	54.667	340.892	9.329	0.20097	2.59163	3 X
K06UL4R	15.9	0.15	K1128	327.439	329.649	108.705	12.227	0.07552	2.99754	4 X
K06UL4X	16.5	0.15	K1128	39.741	4.314	335.806	5.361	0.31032	2.62348	2 X
K06UM9D	16.7	0.15	K1128	20.787	174.636	198.400	2.823	0.27331	2.64458	3 X
K06V05Z	17.2	0.15	K1128	342.541	23.724	56.464	5.392	0.26698	2.63412	3 X
K06V64K	17.9	0.15	K1128	117.902	190.689	225.666	2.854	0.11271	2.17974	4 X
K06V79W	16.7	0.15	K1128	22.886	288.563	86.080	6.450	0.09037	2.68809	3 X
K06V87K	17.1	0.15	K1128	21.853	34.301	342.246	3.914	0.22151	2.62481	2 X
K06V96J	15.9	0.15	K1128	307.694	43.056	64.992	14.962	0.13639	2.73943	5 X
K06VB1G	17.0	0.15	K1128	30.928	339.384	25.004	5.889	0.22821	2.65308	3 X
K06VB6D	17.6	0.15	K1128	5.879	147.783	261.026	5.242	0.34709	2.58817	2 X
K06VD7A	17.3	0.15	K1128	33.415	105.485	244.836	4.934	0.33138	2.64181	3 X
K06VD9G	15.6	0.15	K1128	346.255	180.550	246.442	11.530	0.14786	2.67691	4 X
K06W16N	16.6	0.15	K1128	21.543	116.480	263.077	8.594	0.11880	2.66948	4 X
K06W26O	16.3	0.15	K1128	1.097	316.536	85.739	3.299	0.08242	2.67345	5 X
K06W67E	15.4	0.15	K1128	278.459	264.638	235.029	23.862	0.13843	2.72912	4 X
K06W87N	16.8	0.15	K1128	335.741	254.208	187.568	4.309	0.19236	2.66147	4 X
K06WA1Y	16.3	0.15	K1128	355.852	332.067	80.335	13.322	0.14861	2.63176	3 X
K06WA2C	16.4	0.15	K1128	52.770	243.762	82.583	15.545	0.24692	2.64251	4 X
K06WD0L	16.6	0.15	K1128	350.619	82.524	82.579	18.417	0.31222	2.38280	3 X
K06X26Q	16.7	0.15	K1128	350.152	330.840	90.723	12.952	0.18023	2.69099	3 X
K06X60B	17.6	0.15	K1128	315.987	160.781	86.818	6.877	0.13998	2.22455	6 X
K06X70Y	17.6	0.15	K1128	33.325	28.168	114.890	7.572	0.05224	2.30397	2 X
K06Y04Q	17.2	0.15	K1128	52.332	212.542	265.409	4.851	0.18105	2.32058	4 X
K06Y41W	16.8	0.15	K1128	321.157	343.464	99.617	6.160	0.09579	2.85775	5 X
K07A04L	16.5	0.15	K1128	349.514	149.022	340.074	8.470	0.18141	2.52663	5 X
K07A11P	17.5	0.15	K1128	19.883	252.450	266.412	1.044	0.30616	2.37759	4 W
K07A22D	15.3	0.15	K1128	224.091	204.388	336.226	9.429	0.03028	3.10891	4 X

K07A29K	15.9	0.15	K1128	10.805	239.371	148.077	11.810	0.13211	3.01485	5 X
K07B09K	17.2	0.15	K1128	135.245	291.076	108.887	7.931	0.11902	2.25777	6 X
K07B20Q	17.4	0.15	K1128	14.421	358.425	164.255	5.308	0.17878	2.39832	4 X
K07B22D	15.8	0.15	K1128	131.419	308.436	321.837	8.692	0.04966	3.00297	4 X
K07B27W	18.0	0.15	K1128	41.725	102.175	19.788	1.071	0.17146	2.36676	5 X
K07B33X	16.2	0.15	K1128	329.209	306.726	122.437	10.919	0.02644	2.99514	5 X
K07B34N	18.1	0.15	K1128	11.847	40.667	127.186	2.776	0.14944	2.33508	4 X
K07B46F	17.2	0.15	K1128	337.789	130.633	96.388	2.926	0.15981	2.32018	5 X
K07B47B	16.9	0.15	K1128	322.390	117.405	132.474	13.975	0.24398	2.35526	4 X
K07B61E	16.1	0.15	K1128	109.067	347.795	309.333	8.468	0.01059	2.91960	2 X
K07B67X	14.5	0.15	K1128	54.045	319.802	16.191	16.951	0.13655	3.42901	5 X
K07B77F	16.7	0.15	K1128	77.898	18.238	86.670	7.331	0.05848	2.30516	4 X
K07BA0K	18.0	0.15	K1128	334.010	107.302	119.351	3.240	0.20834	2.34856	2 X
K07BA1W	17.2	0.15	K1128	335.069	125.089	90.670	3.929	0.19294	2.39725	4 X
K07BA2A	17.9	0.15	K1128	61.189	12.332	115.548	3.145	0.15274	2.34145	4 X
K07C00W	18.1	0.15	K1128	54.697	214.867	259.351	0.454	0.13233	2.36798	5 X
K07C10E	15.8	0.15	K1128	232.987	29.551	135.961	11.935	0.03778	3.09389	5 X
K07C16D	18.1	0.15	K1128	328.395	105.996	109.929	2.184	0.05855	2.34942	5 X
K07C16U	17.3	0.15	K1128	92.289	359.446	88.015	7.353	0.09488	2.32372	3 X
K07C27U	18.1	0.15	K1128	39.248	342.277	142.294	3.319	0.17062	2.39467	3 X
K07C33G	18.0	0.15	K1128	347.109	67.080	143.634	3.655	0.15876	2.33805	6 X
K07C40B	17.8	0.15	K1128	34.450	4.532	142.440	0.561	0.07344	2.35417	5 X
K07C47Z	17.6	0.15	K1128	61.904	222.281	239.989	1.689	0.17039	2.37517	5 X
K07C64X	17.9	0.15	K1128	355.328	162.503	29.485	2.412	0.12701	2.39392	5 X
K07D12Q	16.1	0.15	K1128	49.154	303.723	123.082	14.592	0.06350	2.69994	3 X
K07D23A	18.1	0.15	K1128	295.100	65.184	198.702	0.797	0.15879	2.40314	6 X
K07D26H	17.6	0.15	K1128	13.712	41.849	116.703	3.228	0.15972	2.44649	2 X
K07D26K	17.5	0.15	K1128	127.018	311.273	124.508	3.425	0.06211	2.29977	4 X
K07D33W	18.5	0.15	K1128	17.598	137.762	18.041	2.669	0.14264	2.45949	2 X
K07D34A	17.7	0.15	K1128	307.860	121.177	146.791	2.903	0.18194	2.38794	3 X
K07D35N	17.1	0.15	K1128	106.722	270.096	166.204	6.425	0.08439	2.37941	5 X
K07D35Y	17.4	0.15	K1128	329.921	63.185	154.893	2.898	0.15319	2.45573	3 X
K07D47D	15.9	0.15	K1128	309.869	126.312	331.688	10.829	0.03456	3.12215	3 X
K07D52X	15.8	0.15	K1128	290.458	305.673	179.028	11.204	0.15286	3.11446	3 X
K07D69R	15.9	0.15	K1128	293.440	133.448	346.472	11.217	0.11216	3.09745	2 X
K07D81Y	18.1	0.15	K1128	309.073	160.953	105.289	3.963	0.14929	2.34627	4 X
K07D94S	17.1	0.15	K1128	301.197	185.028	100.414	5.568	0.23150	2.34510	5 X
K07D97V	17.6	0.15	K1128	4.697	359.935	193.183	1.816	0.11031	2.41436	4 X
K07D98R	17.5	0.15	K1128	336.366	92.283	133.609	1.911	0.14293	2.36133	4 X
K07DB7O	15.7	0.15	K1128	335.964	63.250	17.381	18.426	0.19097	3.18720	2 X
K07E12L	16.0	0.15	K1128	10.855	255.276	130.132	9.545	0.07883	3.05790	5 X
K07E13F	18.0	0.15	K1128	345.490	44.961	151.348	2.885	0.13439	2.39127	3 X
K07E18Q	16.4	0.15	K1128	359.671	25.882	90.272	6.153	0.20343	2.65512	2 X
K07E34M	17.0	0.15	K1128	12.992	66.976	111.079	3.790	0.11943	2.40982	7 X
K07E34T	17.7	0.15	K1128	23.435	69.284	99.567	3.060	0.11998	2.40496	5 X
K07E45P	17.4	0.15	K1128	335.060	84.586	150.372	2.689	0.09206	2.42316	5 X
K07E48P	17.3	0.15	K1128	1.043	61.107	135.953	3.219	0.14410	2.45865	7 X
K07E64H	17.9	0.15	K1128	316.727	290.183	315.716	3.010	0.18481	2.36687	3 X
K07E68X	18.5	0.15	K1128	3.988	43.958	136.297	2.667	0.14620	2.46342	4 X
K07E95X	16.7	0.15	K1128	224.052	270.426	74.959	3.503	0.19582	2.42115	6 X
K07EA0X	15.3	0.15	K1128	18.741	36.831	348.588	10.421	0.10234	3.13136	3 X
K07EA9Z	17.8	0.15	K1128	30.982	3.478	142.081	4.447	0.15339	2.48519	5 X
K07EB4S	17.3	0.15	K1128	318.815	114.789	137.393	3.877	0.11848	2.45814	5 X
K07ED6X	15.4	0.15	K1128	257.401	106.504	52.270	27.384	0.19425	3.23950	3 X
K07ED7Q	18.1	0.15	K1128	34.470	337.359	175.300	6.342	0.04271	2.41220	5 X
K07EF0D	15.6	0.15	K1128	322.104	314.144	130.827	5.766	0.10797	3.20907	6 X
K07EF0F	17.2	0.15	K1128	183.540	209.379	148.664	7.557	0.11835	2.45306	5 X
K07EF0Q	17.3	0.15	K1128	106.913	326.504	103.940	3.130	0.16497	2.38745	4 X
K07EG7A	16.0	0.15	K1128	297.143	214.163	19.811	13.498	0.11321	2.61890	5 X
K07EL0K	17.5	0.15	K1128	46.707	41.360	104.592	3.793	0.12354	2.33602	3 X
K07G23F	17.3	0.15	K1128	246.373	111.893	206.475	5.529	0.10698	2.56484	6 X
K07G24M	17.1	0.15	K1128	300.599	203.364	84.476	6.414	0.21994	2.52250	7 X
K07G27D	16.6	0.15	K1128	334.680	146.516	78.786	5.956	0.16455	2.55465	4 X
K07G27K	17.7	0.15	K1128	268.610	251.982	64.335	4.433	0.27397	2.58440	3 X
K07G51S	17.3	0.15	K1128	333.051	57.693	177.812	6.487	0.16227	2.42100	7 X
K07G71H	17.4	0.15	K1128	350.235	83.150	113.184	6.515	0.16978	2.45204	4 X
K07H12S	17.2	0.15	K1128	249.682	308.193	7.231	1.134	0.18714	2.42603	6 X
K07H15P	16.3	0.15	K1128	288.526	193.820	70.506	16.398	0.33401	2.68680	4 X
K07H17H	15.8	0.15	K1128	303.535	138.491	63.496	14.298	0.14052	2.76297	4 X
K07H33K	15.9	0.15	K1128	302.584	209.092	52.414	13.582	0.14995	2.58386	5 X
K07H60X	16.5	0.15	K1128	327.063	119.810	101.270	5.288	0.17997	2.58741	5 X
K07H75X	17.6	0.15	K1128	343.535	14.595	205.749	4.594	0.17780	2.53035	4 X
K07H77K	17.0	0.15	K1128	268.307	197.883	111.965	3.900	0.22683	2.54990	9 X
K07H87T	16.7	0.15	K1128	266.508	247.793	58.834	12.551	0.19484	2.56883	6 X
K07H94Z	17.2	0.15	K1128	308.802	33.737	211.771	4.434	0.12143	2.63993	3 X
K07H97Z	16.7	0.15	K1128	305.266	167.238	93.125	15.346	0.16427	2.60352	2 X
K07J01Y	16.1	0.15	K1128	292.573	205.941	87.684	6.709	0.28233	2.57644	3 X

K07J02B	17.2	0.15	K1128	339.747	73.223	136.269	11.834	0.22510	2.60677	2 X
K07J03A	16.9	0.15	K1128	337.212	146.941	64.342	7.571	0.22929	2.59165	4 X
K07J04U	16.4	0.15	K1128	258.896	230.170	63.682	8.212	0.00947	2.62284	3 X
K07J09K	16.4	0.15	K1128	314.792	112.939	135.779	5.547	0.11888	2.53608	5 X
K07J17H	17.1	0.15	K1128	292.768	238.040	65.113	11.045	0.32187	2.55867	3 X
K07J18L	15.9	0.15	K1128	258.647	207.649	125.568	16.136	0.21494	2.56364	8 X
K07J19D	16.7	0.15	K1128	289.259	135.644	159.210	15.307	0.13885	2.54389	2 X
K07J21T	16.7	0.15	K1128	327.572	177.006	53.929	12.180	0.16937	2.57302	2 X
K07J29D	16.9	0.15	K1128	264.461	135.099	170.131	6.432	0.21691	2.65584	6 X
K07K00Q	16.8	0.15	K1128	230.757	272.962	71.203	12.722	0.07428	2.53005	7 X
K07K07B	16.1	0.15	K1128	312.400	185.198	68.945	8.809	0.15956	2.60928	5 X
K07L03L	17.3	0.15	K1128	297.046	125.396	133.423	4.282	0.12151	2.65069	2 X
K07L05K	16.3	0.15	K1128	82.430	359.898	81.328	10.428	0.12160	2.79056	3 X
K07L05Z	17.2	0.15	K1128	296.630	155.693	129.701	15.973	0.13274	2.53900	4 X
K07L08U	16.5	0.15	K1128	180.472	240.509	135.201	6.106	0.08750	2.68072	6 X
K07M13P	16.8	0.15	K1128	329.976	80.438	139.529	8.017	0.14918	2.59933	2 X
K07N02K	16.1	0.15	K1128	281.786	172.981	142.034	14.933	0.24770	2.69032	6 X
K07P13G	16.2	0.15	K1128	294.251	177.587	128.622	20.283	0.29399	2.66858	3 X
K07R38V	15.3	0.15	K1128	259.490	146.161	179.772	21.564	0.05653	3.05508	6 X
K07R48H	16.1	0.15	K1128	263.955	142.626	161.813	1.143	0.17963	3.17463	6 X
K07RC6P	16.0	0.15	K1128	310.534	78.716	188.120	11.153	0.18294	3.03943	3 X
K07RE6R	15.2	0.15	K1128	257.869	62.339	259.637	8.074	0.05880	2.97282	6 W
K07RG5O	16.4	0.15	K1128	265.311	114.298	204.408	4.358	0.11388	2.96788	5 X
K07RJ0G	17.0	0.15	K1128	253.843	147.680	174.596	9.393	0.16974	3.09143	4 X
K07RLOP	16.7	0.15	K1128	288.924	339.304	297.565	1.797	0.17305	2.96775	7 X
K07RS1T	15.3	0.15	K1128	246.516	272.035	66.487	10.734	0.11442	2.99767	6 X
K07S16A	15.5	0.15	K1128	174.398	219.440	164.143	9.672	0.14812	3.32918	6 X
K07T84N	17.5	0.15	K1128	54.321	327.134	3.375	6.194	0.26598	2.17123	5 X
K07TFOU	15.6	0.15	K1128	254.081	113.343	221.319	8.425	0.14945	3.03850	4 X
K07TG2F	16.4	0.15	K1128	269.404	159.973	157.037	2.057	0.22072	3.03732	6 X
K07TJ7K	15.9	0.15	K1128	243.338	162.702	157.406	9.887	0.07487	3.17908	2 S
K07Td1N	16.2	0.15	K1128	294.655	88.842	204.081	10.979	0.15922	3.07054	4 X
K07Tf9S	16.0	0.15	K1128	278.136	273.195	55.007	14.155	0.33162	2.76532	3 X
K07Ti5H	15.0	0.15	K1128	248.596	253.391	71.688	24.140	0.19123	3.22461	3 X
K07VN8A	16.8	0.15	K1128	243.599	90.642	71.051	6.799	0.03631	2.24094	4 X
K07W04F	17.0	0.15	K1128	51.023	74.025	261.275	6.059	0.28999	2.20333	2 X
K07W15R	17.4	0.15	K1128	351.701	337.547	81.107	5.593	0.15062	2.23123	5 X
K07W45B	16.8	0.15	K1128	59.390	28.841	314.436	7.288	0.08310	2.20270	3 X
K07W49S	15.4	0.15	K1128	230.385	284.349	78.572	10.577	0.12678	3.42584	4 X
K07X58O	17.7	0.15	K1128	3.885	134.650	279.679	5.219	0.20575	2.23936	2 X
K07X58X	17.5	0.15	K1128	40.942	247.960	108.633	7.643	0.12500	2.42658	5 X
K07Y11C	17.6	0.15	K1128	327.930	152.069	308.365	4.426	0.17598	2.27972	4 X
K08A17C	17.1	0.15	K1128	263.128	241.114	278.905	3.046	0.14056	2.43839	4 X
K08A34D	17.3	0.15	K1128	26.754	258.791	116.554	7.080	0.12831	2.40009	3 X
K08A74O	16.7	0.15	K1128	20.373	35.696	353.176	6.903	0.10629	2.34015	5 X
K08AD2S	17.3	0.15	K1128	33.630	11.546	353.455	0.834	0.19015	2.41960	5 X
K08C24B	16.4	0.15	K1128	344.492	87.579	334.397	8.541	0.04221	2.59744	4 X
K08D34Y	16.5	0.15	K1128	213.798	231.716	322.191	3.210	0.03739	2.77307	6 X
K08D36P	16.4	0.15	K1128	246.691	188.668	348.262	8.504	0.22711	2.61116	5 X
K08D45Y	16.0	0.15	K1128	182.030	128.139	84.839	12.929	0.08930	2.74730	3 X
K08E23L	16.0	0.15	K1128	274.545	104.723	28.488	15.488	0.03717	2.70357	3 X
K08E32J	15.8	0.15	K1128	160.353	7.991	229.985	8.210	0.09336	2.80401	6 X
K08E40B	15.9	0.15	K1128	125.837	68.858	196.411	10.781	0.07291	3.02681	3 X
K08E41M	16.3	0.15	K1128	94.599	194.003	106.697	7.977	0.06196	2.77412	5 X
K08E69Z	15.5	0.15	K1128	298.074	321.708	141.910	7.264	0.04725	2.85808	5 X
K08EF7J	16.1	0.15	K1128	53.913	329.760	6.398	9.768	0.13954	3.10265	2 X
K08EG2E	15.4	0.15	K1128	128.445	117.646	140.748	10.970	0.10096	3.14937	6 X
K08F03W	16.5	0.15	K1128	59.927	340.759	0.831	13.722	0.04670	2.75013	6 X
K08F10Z	16.4	0.15	K1128	20.119	261.585	117.010	4.774	0.11324	2.65260	4 X
K08F46X	15.7	0.15	K1128	118.283	102.119	169.303	11.073	0.08655	2.96835	3 X
K08G27M	15.7	0.15	K1128	72.378	124.090	187.077	10.220	0.12595	3.02294	5 X
K08G36F	15.4	0.15	K1128	247.960	74.121	77.901	11.009	0.05653	3.06164	6 X
K08G47R	15.8	0.15	K1128	284.711	276.141	208.074	20.865	0.08441	3.05070	3 X
K08G71J	16.8	0.15	K1128	303.336	52.353	59.304	12.538	0.15663	2.62781	4 X
K08H00F	17.1	0.15	K1128	62.112	43.016	62.959	23.007	0.10012	1.91330	4 X
K08H04Q	16.3	0.15	K1128	334.251	53.016	22.999	22.340	0.03612	2.68068	4 X
K08H26W	16.2	0.15	K1128	334.412	241.536	180.167	5.705	0.03196	3.02519	6 X
K08H66C	16.0	0.15	K1128	264.511	263.553	264.502	10.543	0.26217	2.62283	4 X
K08J06L	15.9	0.15	K1128	328.510	291.095	144.183	10.473	0.08218	3.00997	6 X
K08K03H	17.9	0.15	K1128	354.380	342.336	201.947	5.936	0.07166	2.18018	4 X
K08O19J	17.3	0.15	K1128	253.917	134.076	198.016	3.647	0.19094	2.27352	4 X
K08O21L	16.4	0.15	K1128	158.743	234.461	154.220	9.776	0.15538	2.74322	6 X
K08Q05C	17.5	0.15	K1128	257.259	152.396	170.213	9.847	0.26709	2.37501	4 X
K08Q12N	17.1	0.15	K1128	266.555	322.602	345.332	2.823	0.24522	2.36479	4 X
K08Q45Q	16.8	0.15	K1128	210.186	196.685	153.521	9.442	0.17398	2.57457	5 X
K08Q45T	16.9	0.15	K1128	231.285	168.156	168.662	7.238	0.16113	2.44837	4 X
K08R00F	17.4	0.15	K1128	228.429	327.866	29.891	5.609	0.24230	2.41010	3 X

K08R40E	15.9	0.15	K1128	63.255	288.209	184.523	6.391	0.10208	3.05820	7 X
K08R45W	16.1	0.15	K1128	109.811	287.746	162.969	5.212	0.08891	2.77007	4 X
K08RA5Y	16.2	0.15	K1128	187.742	160.644	210.108	9.909	0.05508	2.94847	4 X
K08RA8Q	16.7	0.15	K1128	222.712	138.504	190.472	5.113	0.07751	2.74450	5 X
K08RA9X	17.2	0.15	K1128	321.322	42.678	208.036	5.066	0.14846	2.38890	6 X
K08RB7M	16.5	0.15	K1128	157.632	193.412	192.914	6.060	0.04001	2.75679	5 X
K08RC0L	16.2	0.15	K1128	85.805	262.307	206.991	15.391	0.15241	3.04010	5 X
K08RD1Y	15.9	0.15	K1128	119.625	243.889	164.418	16.671	0.27827	3.19735	4 X
K08S27Q	17.1	0.15	K1128	249.134	292.196	10.706	4.641	0.06257	2.70601	7 X
K08S30K	16.5	0.15	K1128	179.422	199.952	169.567	13.564	0.19276	2.65144	5 X
K08S70J	16.9	0.15	K1128	346.821	121.645	86.862	2.701	0.01888	2.82947	4 X
K08S72W	15.7	0.15	K1128	276.597	247.356	51.713	12.373	0.23206	2.65069	4 X
K08S82N	16.2	0.15	K1128	252.358	302.109	19.553	4.496	0.27616	2.61160	6 X
K08S90O	17.2	0.15	K1128	236.919	80.119	246.474	1.935	0.18592	2.59859	3 X
K08SA1U	16.3	0.15	K1128	200.671	134.871	215.199	4.848	0.06599	2.97197	4 X
K08SA2Z	16.0	0.15	K1128	153.603	221.521	176.639	11.583	0.12834	3.01017	2 S
K08SA4B	16.2	0.15	K1128	126.100	27.296	26.890	26.449	0.08726	3.21651	5 X
K08SC0Z	17.9	0.15	K1128	255.846	115.291	210.519	4.749	0.14691	2.51558	5 X
K08SD8Y	16.6	0.15	K1128	342.149	147.197	84.033	5.532	0.01630	2.77729	7 X
K08SG3K	16.9	0.15	K1128	227.459	164.762	169.203	6.164	0.18788	2.60143	4 X
K08SG7N	16.3	0.15	K1128	225.580	312.738	33.264	13.604	0.18915	2.60707	2 X
K08SI2Y	16.7	0.15	K1128	238.773	122.973	192.725	5.650	0.07305	2.94283	4 X
K08SJ8A	16.4	0.15	K1128	158.655	185.535	203.316	15.871	0.06321	3.13124	5 X
K08SK4B	16.2	0.15	K1128	47.045	314.502	190.894	9.205	0.05213	3.15387	4 X
K08SK7W	16.0	0.15	K1128	256.328	215.514	104.004	15.285	0.20848	2.52937	6 X
K08SL7O	16.9	0.15	K1128	294.895	221.520	58.688	15.168	0.04170	2.77001	4 X
K08SL8N	16.9	0.15	K1128	190.845	256.260	111.008	4.314	0.09156	2.64078	8 X
K08SN9S	16.0	0.15	K1128	112.346	32.766	56.057	7.111	0.10092	2.93474	6 X
K08SO3W	16.8	0.15	K1128	290.282	243.977	22.498	4.472	0.10217	2.70516	3 X
K08SO4Q	16.7	0.15	K1128	154.138	145.298	246.628	1.077	0.07383	2.86885	6 X
K08SQ2T	17.2	0.15	K1128	260.499	95.987	195.551	1.567	0.04123	2.85292	4 X
K08SR1G	16.5	0.15	K1128	208.267	305.962	59.943	15.457	0.11728	2.65711	3 X
K08SR3B	16.0	0.15	K1128	218.520	173.103	178.753	14.446	0.21056	2.71138	8 X
K08ST9G	15.7	0.15	K1128	151.737	7.197	48.366	12.375	0.08484	2.73291	4 X
K08SU1L	16.0	0.15	K1128	155.445	297.844	107.742	4.484	0.02185	2.76990	4 X
K08SU5V	16.5	0.15	K1128	212.827	174.383	176.163	10.594	0.02462	2.67719	6 X
K08SU6Z	16.1	0.15	K1128	211.118	282.611	79.348	6.948	0.03072	2.68119	4 X
K08SU7Z	17.9	0.15	K1128	268.140	249.143	64.553	3.345	0.14844	2.54952	5 X
K08SU8V	17.1	0.15	K1128	248.859	260.341	50.065	4.843	0.13178	2.58416	6 X
K08T01X	16.4	0.15	K1128	204.599	140.029	212.777	5.345	0.02609	2.73680	7 X
K08T16M	16.0	0.15	K1128	178.269	293.154	85.137	10.368	0.17925	2.79640	5 X
K08T22Z	16.5	0.15	K1128	76.055	330.811	147.057	2.638	0.01876	2.86821	8 X
K08T51H	16.3	0.15	K1128	142.461	223.218	184.565	5.765	0.15947	2.98967	5 X
K08T68A	16.0	0.15	K1128	5.554	139.174	47.828	11.877	0.09185	3.09406	4 X
K08T75J	16.5	0.15	K1128	207.433	150.581	215.316	4.995	0.06963	2.77460	7 X
K08TE7G	17.2	0.15	K1128	133.993	267.651	150.256	2.654	0.05954	2.88120	6 X
K08TE9G	16.8	0.15	K1128	146.378	264.236	158.728	4.038	0.07828	2.71488	5 X
K08TF0Q	16.8	0.15	K1128	237.115	279.932	34.434	5.667	0.06014	2.74772	4 X
K08TH4Y	17.0	0.15	K1128	217.392	275.183	82.984	2.736	0.09763	2.62630	6 X
K08TI3Y	16.1	0.15	K1128	280.243	47.937	243.121	7.789	0.15388	2.56917	4 X
K08TI9J	15.7	0.15	K1128	84.506	58.336	61.934	21.965	0.10735	3.22900	3 X
K08TI9K	15.8	0.15	K1128	289.284	227.937	69.133	13.135	0.19096	2.60447	4 X
K08U02P	16.6	0.15	K1128	208.817	310.191	38.414	27.506	0.25205	2.71793	4 X
K08U03J	15.3	0.15	K1128	141.402	345.296	54.866	16.502	0.07623	3.14931	5 X
K08U04Q	15.4	0.15	K1128	118.929	30.464	21.535	27.885	0.13817	3.13108	3 X
K08U07H	15.3	0.15	K1128	184.778	287.815	84.479	21.203	0.28164	2.80314	7 X
K08U39H	17.3	0.15	K1128	283.505	273.501	39.053	8.495	0.29988	2.38981	4 X
K08U52G	16.2	0.15	K1128	247.606	279.203	62.565	8.026	0.20308	2.61802	5 X
K08U92F	15.7	0.15	K1128	184.182	309.658	66.240	10.334	0.23380	2.78788	5 X
K08U97D	15.9	0.15	K1128	261.271	237.559	81.447	5.865	0.06212	2.66938	7 X
K08U98V	16.4	0.15	K1128	221.536	273.641	96.652	4.569	0.23142	2.59313	6 X
K08UC0M	15.8	0.15	K1128	341.981	205.375	12.659	10.987	0.04575	3.13369	5 X
K08UG9S	15.4	0.15	K1128	2.339	134.575	62.360	13.081	0.08772	3.12350	4 X
K08UI1K	15.7	0.15	K1128	85.398	268.825	208.925	10.935	0.13029	3.09111	5 X
K08UJ8K	16.0	0.15	K1128	224.322	142.797	214.035	13.769	0.12802	2.62504	4 X
K08UL5B	16.3	0.15	K1128	237.181	315.042	12.937	12.075	0.20446	2.67408	2 X
K08UP2L	16.3	0.15	K1128	112.072	228.681	221.610	14.173	0.10124	3.09599	4 X
K08UR9V	16.6	0.15	K1128	209.261	154.975	213.383	13.814	0.06643	2.72118	5 X
K08US1Q	16.3	0.15	K1128	226.072	75.091	254.769	1.150	0.10096	3.11706	8 X
K08US8Z	16.5	0.15	K1128	113.600	309.042	147.640	2.703	0.02985	2.87080	6 X
K08UV5R	16.2	0.15	K1128	241.595	288.948	60.076	3.149	0.22875	2.61082	6 X
K08UX0N	16.0	0.15	K1128	204.631	300.464	46.074	9.044	0.06964	3.06232	2 S
K08UZ1S	15.6	0.15	K1128	106.404	25.565	59.101	12.471	0.05684	3.09763	5 X
K08V20Z	15.9	0.15	K1128	355.822	155.626	58.576	19.853	0.11611	3.00939	4 X
K08V22T	15.5	0.15	K1128	195.178	143.124	212.724	10.984	0.05807	3.19376	2 X
K08V24D	16.0	0.15	K1128	123.793	239.039	209.301	6.570	0.03618	3.13868	6 X
K08V33T	16.8	0.15	K1128	222.747	243.722	122.148	3.549	0.19509	2.61325	5 X

K08V38D	15.7	0.15	K1128	128.631	330.693	108.584	5.723	0.03790	3.02893	4 X
K08V60D	16.2	0.15	K1128	211.662	166.317	209.099	2.930	0.28590	2.64793	5 X
K08W08W	17.2	0.15	K1128	258.163	120.899	199.084	6.306	0.04090	2.72872	5 X
K08W21W	15.6	0.15	K1128	259.882	264.291	55.775	13.709	0.17480	2.64517	4 X
K08W33H	15.9	0.15	K1128	20.447	23.329	149.493	9.679	0.03913	3.15937	4 X
K08W77K	15.8	0.15	K1128	247.071	228.700	88.338	7.540	0.07506	3.08598	4 X
K08W77X	16.7	0.15	K1128	272.277	156.303	155.087	3.113	0.13675	2.78165	6 X
K08W99G	15.4	0.15	K1128	143.912	359.333	67.410	11.241	0.09659	3.01819	5 X
K08WA3L	15.7	0.15	K1128	70.049	268.272	225.802	12.826	0.07314	3.05757	3 X
K08WC2W	16.0	0.15	K1128	290.681	234.751	62.636	13.729	0.25823	2.64483	3 X
K08X11B	16.4	0.15	K1128	240.572	148.480	194.630	7.629	0.30007	2.62978	7 X
K08Y42Z	16.2	0.15	K1128	275.613	254.136	68.059	6.165	0.25998	2.55607	5 X
K09H01G	16.1	0.15	K1128	112.710	201.077	72.566	13.653	0.11719	2.64537	4 X
K09K07J	16.0	0.15	K1128	79.486	250.693	51.131	13.479	0.17062	2.88214	4 X
K09K13R	16.2	0.15	K1128	49.079	124.432	200.077	15.740	0.25494	3.11816	3 X
K09M09K	15.6	0.15	K1128	51.934	67.726	278.347	8.934	0.08975	3.01732	5 X
K09Q30X	17.3	0.15	K1128	245.717	295.769	357.404	21.241	0.03641	1.89122	4 X
K09R14J	17.9	0.15	K1128	46.116	36.023	86.414	0.437	0.13056	2.29759	5 X
K09S18A	15.2	0.15	K1128	100.848	320.158	48.131	17.893	0.20670	3.08367	4 X
K09SA4V	14.9	0.15	K1128	42.535	201.228	290.464	26.728	0.11645	3.12486	3 X
K09SX9G	16.5	0.15	K1128	113.997	214.363	194.851	6.303	0.28974	2.56847	5 X
K09SX9S	16.9	0.15	K1128	145.438	2.407	51.267	6.985	0.08655	2.23273	5 X
K09SX9W	15.1	0.15	K1128	2.125	91.305	105.578	17.156	0.07587	3.17296	3 X
K09T09A	16.7	0.15	K1128	74.387	46.757	43.288	13.330	0.25843	2.63923	3 X
K09U21H	16.7	0.15	K1128	29.460	91.800	61.394	9.762	0.13829	2.41130	3 X
K09U45P	17.4	0.15	K1128	114.070	25.751	39.240	5.039	0.11676	2.28291	4 X
K09U71O	16.8	0.15	K1128	136.226	14.304	25.575	7.208	0.13863	2.33651	4 X
K09UA8W	16.5	0.15	K1128	77.150	34.278	55.501	13.497	0.14669	2.62885	3 X
K09UD0J	17.2	0.15	K1128	242.499	269.824	55.690	22.481	0.07801	1.95808	6 X
K09UD5D	17.4	0.15	K1128	61.350	231.586	234.457	2.505	0.15833	2.74022	2 X
K09UE6F	17.4	0.15	K1128	52.368	79.449	62.619	6.747	0.05192	2.23689	5 X
K09UF0L	17.9	0.15	K1128	76.623	263.796	198.642	0.910	0.10939	2.37704	5 X
K09V01Q	18.1	0.15	K1128	221.741	284.705	45.532	22.409	0.08895	1.97704	2 X
K09V25N	15.9	0.15	K1128	107.074	350.366	87.596	16.024	0.06886	2.73186	5 X
K09V38J	15.1	0.15	K1128	242.442	204.406	48.781	16.662	0.05468	3.09738	3 X
K09V43R	16.0	0.15	K1128	38.110	64.823	61.169	27.504	0.25225	3.06839	3 X
K09V47O	15.2	0.15	K1128	293.153	144.985	67.425	18.646	0.10770	3.05430	5 X
K09V78K	16.9	0.15	K1128	145.674	295.279	97.057	6.322	0.11561	2.29175	5 X
K09V82T	16.1	0.15	K1128	44.672	237.590	241.287	9.805	0.09348	3.07572	4 X
K09V93U	17.2	0.15	K1128	118.532	328.754	93.764	7.421	0.10531	2.34437	4 X
K09VB5J	15.4	0.15	K1128	56.639	44.951	52.546	15.904	0.28075	3.35577	4 X
K09W01F	16.8	0.15	K1128	160.382	303.000	65.710	25.902	0.21102	2.26486	4 X
K09W14B	17.9	0.15	K1128	314.483	45.415	188.162	5.273	0.12272	2.19943	5 X
K09W24K	17.5	0.15	K1128	10.371	105.342	71.855	8.384	0.23192	2.83743	2 X
K09W29B	16.8	0.15	K1128	91.001	15.618	66.560	8.190	0.09819	2.56216	4 X
K09W29N	17.5	0.15	K1128	63.309	304.408	169.628	2.829	0.10769	2.26783	4 X
K09W32S	17.1	0.15	K1128	57.297	230.842	245.512	1.999	0.10796	2.75483	4 X
K09W39Z	17.4	0.15	K1128	312.420	189.947	59.568	8.145	0.14330	2.26228	2 X
K09W67J	16.4	0.15	K1128	18.791	313.765	201.538	7.393	0.16441	2.77243	6 X
K09W69A	16.5	0.15	K1128	338.331	143.983	62.827	9.786	0.07690	2.63730	3 X
K09WF3M	16.5	0.15	K1128	12.866	136.026	27.173	12.052	0.12466	2.64595	4 X
K09WF9W	16.7	0.15	K1128	41.734	80.350	43.227	10.486	0.28349	3.16455	3 X
K09WG4M	17.7	0.15	K1128	100.828	16.781	64.857	7.418	0.09491	2.48988	4 X
K09W09M	18.1	0.15	K1128	147.878	248.403	162.418	0.414	0.09647	2.18774	7 X
K09WQ1R	15.7	0.15	K1128	90.825	144.457	290.811	7.672	0.05605	2.77379	3 X
K09WQ1S	16.4	0.15	K1128	120.139	9.741	41.412	13.225	0.16528	2.56892	6 X
K09WQ3E	16.9	0.15	K1128	28.018	85.323	71.437	5.428	0.09671	2.68887	2 S
K09X11H	16.0	0.15	K1128	43.664	56.717	98.041	5.992	0.09982	2.77913	5 X
K09X21P	16.0	0.15	K1128	65.967	25.701	96.748	7.453	0.04902	2.86352	3 X
K09Y05T	16.3	0.15	K1128	296.333	168.027	107.536	15.943	0.08722	2.60631	2 W
K09Y19X	16.6	0.15	K1128	92.746	329.712	119.004	5.117	0.14952	3.13627	4 X
K09Y20B	16.0	0.15	K1128	121.690	329.274	92.097	14.544	0.02981	2.66264	4 X
K09Y24Z	16.6	0.15	K1128	200.471	212.899	141.073	7.284	0.19179	2.48245	3 X
K10A05F	16.5	0.15	K1128	86.390	3.859	88.658	4.810	0.15303	2.78510	3 X
K10A31T	15.2	0.15	K1128	38.904	33.513	136.819	19.756	0.04223	3.22833	3 X
K10A33L	16.2	0.15	K1128	159.864	318.594	89.892	6.494	0.04532	2.65639	6 X
K10A41G	16.8	0.15	K1128	54.090	29.768	115.134	3.481	0.12911	2.99302	4 X
K10A76Q	16.6	0.15	K1128	136.152	275.759	132.088	8.303	0.22653	2.76315	3 X
K10A79E	15.9	0.15	K1128	291.351	137.896	126.786	12.190	0.06959	3.09963	3 X
K10CH6X	15.8	0.15	K1128	251.731	180.378	156.554	18.407	0.24696	2.75122	8 X
K10D41R	16.0	0.15	K1128	180.459	215.969	182.423	3.540	0.15718	2.99244	6 X
K10G42Q	16.0	0.15	K1128	324.947	123.174	115.888	3.643	0.15754	3.11014	4 X
K10JE0X	16.8	0.15	K1128	32.723	122.255	241.974	7.855	0.27016	2.28223	3 X
K10KB8R	16.5	0.15	K1128	62.266	251.115	63.788	5.571	0.23814	2.40156	6 X
K10L51S	16.3	0.15	K1128	48.472	50.112	279.579	12.013	0.28596	2.63844	3 X
K10M01V	15.4	0.15	K1128	23.709	123.093	244.027	25.706	0.25311	3.16579	3 X
K10M23L	17.4	0.15	K1128	18.193	23.161	9.682	3.304	0.14653	2.25064	3 X

K10M27C	16.4	0.15	K1128	60.711	30.595	294.442	6.965	0.25370	2.42186	2 X
K10M28G	16.6	0.15	K1128	351.659	279.666	136.995	8.839	0.20591	2.75955	6 X
K10M36F	16.3	0.15	K1128	33.762	221.826	128.447	9.436	0.19623	3.05152	3 X
K10M61L	16.2	0.15	K1128	357.052	224.660	185.623	5.916	0.26056	3.15240	4 X
K10M63W	16.3	0.15	K1128	54.459	238.888	84.475	4.312	0.18209	3.00230	5 X
K10M81T	15.9	0.15	K1128	10.737	272.188	112.972	6.515	0.18570	3.19108	4 X
K10MA5A	16.7	0.15	K1128	28.713	79.405	291.895	6.509	0.11161	2.67434	2 X
K10MA5R	15.9	0.15	K1128	342.209	235.789	195.389	15.712	0.24300	3.18787	2 X
K10MA5T	17.4	0.15	K1128	339.838	156.932	291.377	4.445	0.21974	2.34533	3 X
K10MA8W	16.2	0.15	K1128	2.501	24.321	20.671	6.059	0.24381	3.15406	2 X
K10MB5E	15.0	0.15	K1128	29.964	291.179	55.537	3.712	0.23957	3.95665	2 X
K10N10H	16.4	0.15	K1128	2.517	1.508	45.554	9.056	0.15679	2.71129	3 X
K10N11Y	15.8	0.15	K1128	70.792	225.710	88.180	7.564	0.11022	3.00513	4 X
K10N22Y	16.5	0.15	K1128	1.467	68.402	340.124	8.939	0.22812	3.11650	2 X
K10N27K	16.5	0.15	K1128	2.009	26.764	19.867	10.405	0.22118	3.13468	3 X
K10N38Q	15.7	0.15	K1128	34.465	153.391	202.852	24.107	0.13876	3.09740	3 X
K10N50E	15.6	0.15	K1128	12.113	59.880	321.046	4.197	0.21492	3.99586	2 X
K10N51L	15.6	0.15	K1128	36.154	12.963	345.042	8.757	0.18189	3.05865	5 X
K10N78W	15.3	0.15	K1128	159.567	232.679	4.321	8.337	0.04512	3.21691	5 X
K10N83K	13.7	0.15	K1128	349.091	341.346	103.563	11.250	0.59047	5.84559	3 X
K10N91J	15.5	0.15	K1128	5.689	184.728	207.600	20.704	0.15632	3.18234	2 X
K10NB2N	15.3	0.15	K1128	97.711	239.104	54.782	10.104	0.06090	3.16289	7 X
K10O05Z	15.4	0.15	K1128	30.664	102.551	268.534	10.415	0.08036	3.05390	2 X
K10O10V	15.5	0.15	K1128	72.172	285.480	31.427	19.767	0.13086	3.07614	4 X
K10O12F	16.0	0.15	K1128	55.400	296.898	30.419	27.057	0.22014	3.12582	3 X
K10O14K	15.9	0.15	K1128	82.264	325.853	352.113	11.591	0.05361	2.93357	4 X
K10O14L	15.6	0.15	K1128	69.575	330.056	356.514	9.456	0.08622	3.07290	2 X
K10O15K	16.0	0.15	K1128	57.501	332.869	7.019	13.718	0.11253	2.98486	3 X
K10O28L	15.6	0.15	K1128	69.998	290.926	24.630	18.034	0.18623	3.15195	3 X
K10P23X	17.4	0.15	K1128	27.308	218.470	149.119	7.311	0.24964	2.29010	4 X
K10R14F	17.8	0.15	K1128	37.364	348.420	18.037	4.977	0.15916	2.22302	3 X
K10R14O	17.4	0.15	K1128	30.296	350.068	25.200	3.540	0.15731	2.27788	5 X
K10R14R	16.1	0.15	K1128	71.869	140.008	164.149	12.252	0.20274	2.76631	5 X
K10R25T	17.2	0.15	K1128	71.952	124.689	192.647	6.654	0.13468	2.35919	2 X
K10R45Z	16.9	0.15	K1128	19.975	194.281	185.280	5.030	0.15329	2.41285	7 X
K10R46V	16.3	0.15	K1128	79.410	107.359	194.108	8.702	0.15016	3.00465	4 X
K10R46Y	16.0	0.15	K1128	346.965	215.169	196.193	9.558	0.08080	3.10996	5 X
K10R48K	16.4	0.15	K1128	6.164	38.640	355.865	4.969	0.15244	3.08167	2 X
K10R49K	17.6	0.15	K1128	12.782	60.004	337.393	6.054	0.18534	2.25337	2 X
K10R51E	16.1	0.15	K1128	4.295	214.753	182.377	9.943	0.10492	3.06618	6 X
K10R61A	15.5	0.15	K1128	95.171	290.571	8.750	10.391	0.07466	3.14175	6 X
K10R65K	16.9	0.15	K1128	45.427	22.387	331.645	9.707	0.15952	2.38501	5 X
K10R68N	16.0	0.15	K1128	37.826	309.397	33.266	4.982	0.27805	3.08696	3 X
K10R70D	16.6	0.15	K1128	98.067	2.766	284.984	4.458	0.18053	2.55518	3 X
K10R76C	16.6	0.15	K1128	61.865	244.886	76.299	3.533	0.20855	2.38745	7 X
K10R77V	16.6	0.15	K1128	58.740	308.531	23.541	6.555	0.13139	2.75073	4 X
K10R79N	16.8	0.15	K1128	72.903	130.155	200.362	20.837	0.05363	1.98941	4 X
K10R81Q	17.6	0.15	K1128	58.578	176.490	157.212	6.859	0.14907	2.35967	2 X
K10R81X	16.1	0.15	K1128	339.978	256.210	165.452	4.235	0.08274	3.00150	7 X
K10R96Q	15.9	0.15	K1128	56.121	314.673	14.613	4.545	0.19302	3.06234	2 X
K10RA5X	16.4	0.15	K1128	355.781	49.514	3.949	4.247	0.17750	3.18657	4 X
K10RA7D	15.5	0.15	K1128	37.376	345.909	15.905	10.407	0.06209	3.15040	5 X
K10RB5J	16.1	0.15	K1128	253.130	207.836	310.298	4.284	0.09815	2.79206	8 X
K10RB8L	15.4	0.15	K1128	338.206	38.639	31.889	14.149	0.10031	3.12236	5 X
K10RF3A	15.8	0.15	K1128	288.134	297.538	177.084	10.167	0.07240	3.14020	5 X
K10S13Y	16.3	0.15	K1128	341.953	48.802	22.430	22.454	0.03552	2.60822	4 X
K10S36U	16.0	0.15	K1128	26.972	197.949	170.223	10.549	0.12300	3.02169	4 X
K10S38A	16.3	0.15	K1128	24.174	209.980	160.112	9.845	0.16284	2.79374	6 X
K10T05U	18.9	0.15	K1128	348.613	308.761	199.734	14.815	0.67756	2.20557	2 X
K10T16T	16.6	0.15	K1128	327.732	88.873	1.867	13.965	0.12880	2.84486	2 X
K10T20L	15.8	0.15	K1128	344.819	177.007	254.300	11.579	0.14923	2.75520	2 X
K10T24Y	16.4	0.15	K1128	2.344	24.781	21.401	14.585	0.15919	2.77685	2 X
K10T25M	15.4	0.15	K1128	355.381	58.992	356.897	10.787	0.10291	2.99327	3 X
K10T25N	17.1	0.15	K1128	195.175	195.795	26.283	21.013	0.05192	2.00838	5 X
K10TG0H	16.3	0.15	K1128	58.622	309.536	32.968	14.327	0.03804	2.71978	4 X
K10TG6O	16.1	0.15	K1128	9.544	75.006	325.492	8.197	0.16355	2.75060	2 X
K10V70C	17.2	0.15	K1128	30.318	163.793	237.112	5.525	0.13181	2.40383	5 X
K10W08P	18.4	0.15	K1128	356.660	218.090	269.919	18.190	0.44187	2.00307	2 X
K11A23P	16.6	0.15	K1128	335.576	174.882	334.236	15.027	0.14326	2.68919	3 X
K11A42S	15.0	0.15	K1128	335.731	50.553	96.827	11.045	0.00392	3.50304	5 X
K11A51U	17.4	0.15	K1128	316.566	64.110	122.597	7.192	0.07318	2.39008	2 S
K11A66X	18.4	0.15	K1128	52.639	179.735	240.680	0.587	0.20435	2.26759	2 S
K11B53N	16.8	0.15	K1128	354.670	127.857	12.575	0.655	0.01860	3.06643	2 S
K11C02S	17.3	0.15	K1128	28.382	149.009	313.760	24.830	0.14477	2.32253	2 S
K11C07E	16.5	0.15	K1128	23.481	306.332	155.151	22.530	0.22759	2.36962	4 X
K11C14U	19.4	0.15	K1128	19.078	163.488	309.882	1.137	0.13028	2.31680	2 S
K11C36C	16.1	0.15	K1128	76.909	76.962	325.708	15.413	0.13380	3.02058	2 S

K11C47Q	15.1	0.15	K1128	352.115	78.299	95.578	26.329	0.23360	3.19325	3 X
K11C63G	15.1	0.15	K1128	205.798	214.133	85.971	8.298	0.14301	3.19619	2 S
K11C69H	16.7	0.15	K1128	261.918	324.341	285.775	12.776	0.19626	2.38052	2 S
K11E17N	15.2	0.15	K1128	285.929	223.219	57.107	28.620	0.23063	3.16192	2 S
K11E21Q	16.5	0.15	K1128	284.519	129.634	149.212	7.467	0.17673	2.56494	5 X
K11E25O	15.7	0.15	K1128	352.110	47.252	146.800	9.893	0.05126	3.17483	5 X
K11E25Q	17.5	0.15	K1128	19.829	100.809	47.725	5.552	0.13224	2.38099	4 X
K11E28N	16.7	0.15	K1128	62.978	14.348	100.299	4.943	0.03150	2.24849	2 X
K11E39Q	18.0	0.15	K1128	336.651	72.189	134.813	4.650	0.13815	2.31188	2 X
K11E40A	16.5	0.15	K1128	9.241	48.865	125.917	6.014	0.08645	3.03867	4 S
K11E41S	15.1	0.15	K1128	94.051	44.562	23.821	15.916	0.10251	3.15550	2 S
K11E44N	15.8	0.15	K1128	171.890	331.069	29.044	6.272	0.00638	2.72784	2 S
K11E53G	16.3	0.15	K1128	221.494	244.771	90.219	6.803	0.15682	2.42536	5 X
K11E63F	15.5	0.15	K1128	248.300	264.054	58.439	14.394	0.24490	2.45475	3 S
K11E71K	17.7	0.15	K1128	295.235	145.748	112.299	3.648	0.13275	2.31251	2 S
K11E73G	16.0	0.15	K1128	137.038	309.452	91.091	3.414	0.06478	2.96968	6 X
K11E76W	15.8	0.15	K1128	5.652	79.455	107.051	14.787	0.22622	2.66212	2 S
K11E77C	16.1	0.15	K1128	7.065	328.916	194.507	30.228	0.32309	3.13500	2 X
K11E77O	16.4	0.15	K1128	301.430	103.222	126.182	2.902	0.05189	2.95133	4 S
K11E77Q	17.1	0.15	K1128	316.097	63.729	150.606	5.368	0.06624	2.77936	2 S
K11E77S	16.7	0.15	K1128	17.545	348.068	144.786	12.543	0.37758	2.58152	4 X
K11E78Q	17.0	0.15	K1128	33.102	315.251	167.361	9.500	0.11276	2.56738	2 S
K11E79J	17.8	0.15	K1128	91.338	69.896	352.293	7.827	0.19710	2.24781	3 S
K11F02B	15.4	0.15	K1128	338.073	18.683	205.860	27.804	0.12383	3.08750	2 X
K11F02H	17.1	0.15	K1128	293.942	231.323	37.935	3.005	0.19607	2.37618	6 X
K11F02P	16.0	0.15	K1128	341.505	69.711	115.012	29.343	0.21676	2.56703	4 X
K11F05U	17.0	0.15	K1128	342.855	115.334	88.600	5.686	0.17848	2.39081	5 X
K11F07A	16.0	0.15	K1128	3.312	358.658	169.535	3.712	0.13952	3.19171	2 S
K11F07T	14.9	0.15	K1128	310.115	223.380	21.572	27.739	0.19172	3.20007	6 X
K11F07W	16.5	0.15	K1128	312.807	228.541	40.751	14.315	0.24108	2.62270	2 X
K11F08A	15.2	0.15	K1128	26.842	324.955	191.121	15.440	0.07117	3.24235	3 X
K11F08M	16.5	0.15	K1128	12.335	159.183	13.203	10.065	0.04892	3.08996	2 X
K11F08S	17.1	0.15	K1128	294.620	244.813	14.069	5.087	0.10079	2.42999	4 X
K11F11T	17.2	0.15	K1128	31.843	354.448	146.270	5.101	0.19312	2.53199	4 X
K11F12D	16.5	0.15	K1128	3.325	349.196	203.877	15.234	0.11268	2.56252	5 X
K11F12X	16.4	0.15	K1128	253.049	215.108	89.536	7.214	0.07163	2.81150	2 S
K11F17T	16.9	0.15	K1128	357.715	70.907	112.059	8.887	0.14897	2.63956	3 X
K11F18C	16.8	0.15	K1128	24.665	304.045	197.004	10.037	0.22230	3.12477	2 S
K11F24N	17.8	0.15	K1128	312.066	162.897	80.962	3.738	0.17994	2.25106	3 X
K11F26F	16.5	0.15	K1128	299.713	144.589	110.096	10.087	0.08190	3.06780	2 X
K11F29J	14.8	0.15	K1128	81.650	305.447	159.458	15.415	0.01895	3.21492	2 S
K11F32B	15.7	0.15	K1128	38.795	287.492	215.563	15.804	0.17199	3.08792	2 S
K11F36B	16.5	0.15	K1128	290.751	267.314	29.295	26.936	0.30954	2.63438	2 S
K11F41A	16.1	0.15	K1128	359.425	184.118	2.342	19.515	0.19951	3.01726	2 S
K11F42T	16.3	0.15	K1128	11.160	347.316	179.528	10.612	0.17070	3.14988	3 X
K11F45E	16.5	0.15	K1128	47.340	296.897	177.796	10.793	0.22028	3.09589	7 X
K11F47M	15.7	0.15	K1128	281.037	255.661	44.803	12.843	0.13794	3.20512	2 S
K11F47Z	17.4	0.15	K1128	334.132	32.911	206.700	4.869	0.23960	3.10218	2 S
K11F62U	18.1	0.15	K1128	5.250	145.770	21.627	3.571	0.15808	2.47541	2 S
K11F63N	16.7	0.15	K1128	38.311	7.913	112.519	2.784	0.18081	3.04339	2 S
K11F68J	16.4	0.15	K1128	155.593	299.709	72.505	6.108	0.16346	3.04854	2 S
K11FD1G	16.3	0.15	K1128	82.865	219.125	213.654	0.992	0.12354	2.92212	2 S
K11FE0T	16.6	0.15	K1128	353.993	11.095	176.588	5.150	0.11702	2.62516	4 X
K11FE2Z	16.5	0.15	K1128	350.140	23.373	192.495	6.370	0.15370	2.79591	2 S
K11FE5R	15.6	0.15	K1128	340.418	244.456	331.192	15.475	0.18802	3.13867	2 S
K11FE8F	16.2	0.15	K1128	286.035	275.614	16.537	4.301	0.17030	2.64179	3 S
K11FE8J	17.1	0.15	K1128	276.101	242.393	44.982	7.280	0.13874	2.25397	2 S
K11FE9U	15.0	0.15	K1128	348.808	293.795	255.034	20.443	0.06839	3.06878	2 S
K11FE9X	16.0	0.15	K1128	302.256	82.006	171.540	5.569	0.08009	2.71898	2 S
K11FF0D	16.6	0.15	K1128	350.502	125.638	72.866	8.321	0.13775	2.59901	2 X
K11FF2S	18.0	0.15	K1128	216.627	300.001	34.067	20.785	0.08693	1.92951	2 X
K11FF4U	17.9	0.15	K1128	283.046	166.801	116.679	6.453	0.16191	2.30529	2 X
K11G04Y	16.1	0.15	K1128	301.576	191.803	56.251	8.169	0.09581	2.70842	3 S
K11G21S	16.6	0.15	K1128	275.856	298.554	346.340	11.284	0.11906	3.14516	2 S
K11G31K	18.1	0.15	K1128	37.748	293.896	198.251	7.554	0.17813	2.24616	4 X
K11G31Q	17.3	0.15	K1128	52.895	185.176	296.904	1.957	0.08138	2.62506	3 S
K11G32A	16.2	0.15	K1128	52.498	268.404	222.129	11.541	0.12554	2.66728	2 S
K11G32K	16.7	0.15	K1128	340.340	31.876	188.586	6.960	0.18764	2.64094	2 X
K11G34A	16.7	0.15	K1128	97.809	176.571	264.346	2.160	0.06755	2.77220	2 X
K11G36T	15.8	0.15	K1128	334.080	221.773	2.720	22.584	0.12424	3.13068	2 S
K11G36Z	15.7	0.15	K1128	31.304	284.870	225.734	16.143	0.09036	3.07939	2 S
K11G47X	16.5	0.15	K1128	165.078	180.536	195.870	10.247	0.05693	2.83624	2 S
K11G47Z	19.0	0.15	K1128	347.945	200.896	350.874	1.344	0.19352	2.26316	2 X
K11G48W	16.4	0.15	K1128	323.853	29.001	205.006	8.712	0.09845	3.10765	2 S
K11G49K	18.0	0.15	K1128	280.415	322.221	324.899	0.767	0.20564	2.27306	4 S
K11G55D	16.2	0.15	K1128	269.715	165.550	125.624	5.121	0.08036	2.79051	3 X
K11G55K	16.9	0.15	K1128	347.677	152.452	56.871	7.633	0.08696	2.64048	2 S



K11G55M	16.3	0.15	K1128	220.515	273.187	77.305	10.090	0.10643	2.77940	3	S
K11G57M	15.7	0.15	K1128	0.224	130.107	59.702	9.511	0.06783	2.81242	2	X
K11G59X	16.7	0.15	K1128	288.889	192.609	87.072	7.124	0.10794	2.35558	4	X
K11G61G	15.9	0.15	K1128	333.464	147.523	79.833	13.825	0.09698	2.63836	2	S
K11G64B	16.9	0.15	K1128	339.632	131.021	86.808	6.180	0.20900	2.63460	3	X
K11G64X	15.3	0.15	K1128	20.519	86.070	85.548	10.210	0.04623	3.16681	2	X
K11G65H	17.5	0.15	K1128	200.328	291.361	53.345	21.366	0.11277	1.95491	2	S
K11G65N	17.6	0.15	K1128	243.783	244.255	63.524	23.229	0.10582	1.88729	2	X
K11G66Q	15.8	0.15	K1128	329.909	247.218	353.102	25.672	0.26293	3.19539	3	S
K11G66Z	16.7	0.15	K1128	2.709	81.844	97.896	12.541	0.13459	2.62375	3	S
K11G67P	16.2	0.15	K1128	3.763	130.917	53.255	13.909	0.09313	2.56776	3	X
K11G68O	15.8	0.15	K1128	331.467	138.143	92.462	29.718	0.20986	3.18082	2	S
K11G71U	17.3	0.15	K1128	311.970	184.009	61.579	11.031	0.18857	2.37613	2	S
K11G71V	16.1	0.15	K1128	295.234	199.277	72.692	7.562	0.12894	2.66873	3	S
K11G71X	16.6	0.15	K1128	345.125	164.615	58.221	11.090	0.23143	2.74918	3	S
K11G72M	16.6	0.15	K1128	286.653	212.795	75.444	10.469	0.18575	2.76800	2	S
K11G72Z	18.1	0.15	K1128	347.634	47.627	156.435	2.521	0.16105	2.71743	2	S
K11H01Q	16.1	0.15	K1128	330.793	57.963	167.902	13.198	0.11795	2.71785	3	S
K11H01R	16.0	0.15	K1128	294.649	186.756	83.560	13.603	0.13505	2.69643	2	S
K11H03F	17.1	0.15	K1128	291.204	196.844	79.450	10.102	0.14127	2.57232	2	S
K11H03M	16.3	0.15	K1128	335.702	127.720	95.228	10.607	0.05035	3.17073	2	S
K11H03S	16.7	0.15	K1128	62.079	76.339	41.744	11.636	0.04699	2.89998	2	S
K11H05Z	16.6	0.15	K1128	348.614	64.823	143.967	5.578	0.19638	2.61638	2	X
K11H06A	17.2	0.15	K1128	330.696	61.321	176.246	7.338	0.19193	2.61807	2	S
K11H06K	17.2	0.15	K1128	287.125	205.752	74.199	7.685	0.16181	2.25458	2	S
K11H07M	15.8	0.15	K1128	294.186	198.690	84.362	14.997	0.22364	2.63659	2	S
K11H10T	17.2	0.15	K1128	244.057	97.405	218.304	3.111	0.18033	2.29803	2	S
K11H11B	16.6	0.15	K1128	343.523	189.301	12.220	3.488	0.08246	2.60422	3	S
K11H11E	18.3	0.15	K1128	7.453	22.062	146.499	1.789	0.12797	2.36629	2	S
K11H11N	16.1	0.15	K1128	31.680	81.637	86.442	14.258	0.11920	3.06114	2	S
K11H11O	16.4	0.15	K1128	297.364	195.793	103.419	4.582	0.23005	3.04740	2	S
K11H11T	18.0	0.15	K1128	327.204	127.329	118.646	3.387	0.17831	2.45430	2	S
K11H12G	16.6	0.15	K1128	278.632	140.089	161.162	10.009	0.14054	2.79652	3	S
K11H12N	18.3	0.15	K1128	353.425	67.264	137.512	4.263	0.17909	2.34384	2	S
K11H15Q	17.6	0.15	K1128	48.173	207.614	278.358	4.244	0.17420	2.36947	2	S
K11H17Y	15.5	0.15	K1128	221.203	139.860	187.819	10.047	0.01504	3.25823	2	S
K11H18E	16.6	0.15	K1128	313.366	33.371	204.831	17.230	0.07145	2.74832	2	S
K11H18T	16.1	0.15	K1128	12.483	58.832	136.228	9.541	0.02842	2.71950	3	S
K11H21N	17.8	0.15	K1128	342.041	106.982	116.831	4.026	0.14766	2.40315	3	X
K11H21Y	16.0	0.15	K1128	16.317	353.460	188.946	10.999	0.09708	3.11128	3	S
K11H25V	17.2	0.15	K1128	30.793	18.627	147.800	8.275	0.05379	2.44056	2	S
K11H26P	17.1	0.15	K1128	340.786	87.486	138.515	15.409	0.06883	2.41379	2	S
K11H34L	16.1	0.15	K1128	7.845	319.656	213.934	9.485	0.17299	3.15218	2	S
K11H36G	16.7	0.15	K1128	94.430	9.434	74.743	4.380	0.06492	2.86971	2	S
K11H37Z	15.6	0.15	K1128	287.474	202.895	85.418	13.853	0.06754	3.09725	2	S
K11H39M	17.9	0.15	K1128	304.490	74.895	210.649	21.493	0.27140	2.35920	2	S
K11H52Z	17.6	0.15	K1128	350.269	148.981	68.521	30.884	0.21100	3.13263	2	S
K11H61L	15.6	0.15	K1128	274.482	207.149	94.425	25.442	0.12322	2.64163	2	S

New perturbed one-opposition orbits:											
Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K10M60L	16.8	0.15	K1128	17.158	281.903	101.013	7.177	0.15322	2.72467	218	X
K10M63X	17.0	0.15	K1128	356.971	20.489	40.471	8.791	0.30285	2.88850	217	X
K10N41M	15.7	0.15	K1128	25.699	188.353	169.826	10.997	0.23542	3.98228	203	X
K10N42U	16.5	0.15	K1128	55.957	298.594	33.773	20.914	0.16419	2.79811	203	X
K10N48E	15.9	0.15	K1128	10.783	33.452	356.319	7.906	0.10943	3.11820	203	X
K10RE7T	15.8	0.15	K1128	33.945	350.769	18.445	15.312	0.02271	3.07028	144	X
K10RH9S	15.7	0.15	K1128	18.384	8.245	13.760	9.435	0.05292	3.09050	146	X
K10T36N	16.3	0.15	K1128	6.878	7.878	31.975	11.285	0.21449	3.05108	117	X
K10U07F	19.3	0.15	K1128	351.935	86.938	49.876	8.180	0.56801	2.20500	181	X
K10W07Q	18.3	0.15	K1128	348.707	57.228	98.800	13.608	0.55507	2.37156	156	X
K11FE0W	16.1	0.15	K1128	334.683	189.469	38.381	16.343	0.12680	2.60352	36	S
K11G47P	16.6	0.15	K1128	197.363	236.964	133.601	8.316	0.01564	2.73872	29	S
K11G59Q	22.8	0.15	K1128	345.887	67.640	121.811	1.355	0.55793	2.44655	25	X
K11G61A	16.7	0.15	K1128	320.782	174.320	70.595	9.586	0.14926	2.79531	20	S
K11G62L	19.4	0.15	K1128	2.938	244.249	189.969	15.701	0.70690	1.14005	21	X
K11G65Q	18.7	0.15	K1128	343.109	111.302	92.033	22.389	0.43020	2.18372	20	X
K11G65X	21.7	0.15	K1128	251.518	263.322	42.311	22.851	0.28612	1.34366	19	X
K11G71T	16.9	0.15	K1128	355.097	186.860	357.007	4.332	0.20999	2.60770	19	S
K11G77P	16.2	0.15	K1128	2.821	29.120	169.884	9.010	0.15314	3.20593	35	S
K11H00O	19.7	0.15	K1128	337.664	175.850	89.122	13.091	0.63158	3.23342	9	W
K11H00Q	20.9	0.15	K1128	322.942	144.980	70.386	11.953	0.30921	1.64053	9	X
K11H00R	19.7	0.15	K1128	127.265	295.101	98.471	16.195	0.05189	1.31486	10	X
K11H00S	21.2	0.15	K1128	352.667	333.903	182.782	7.828	0.69599	2.80182	9	X
K11H00T	21.8	0.15	K1128	318.507	163.212	90.241	7.080	0.44870	1.92488	9	X
K11H07L	19.9	0.15	K1128	331.349	359.013	208.683	10.425	0.28888	1.63943	6	X
K11H10D	17.7	0.15	K1128	35.584	341.885	160.050	8.345	0.14545	2.31708	24	S

K11H10Q	16.5	0.15	K1128	307.305	224.551	25.379	3.213	0.13289	3.12115	7 S
K11H10X	18.2	0.15	K1128	335.987	109.670	99.549	2.376	0.13502	2.44601	54 X
K11H11F	15.9	0.15	K1128	274.661	253.608	25.947	9.426	0.05346	3.15645	38 X
K11H22P	16.2	0.15	K1128	225.245	235.862	111.023	5.379	0.08277	2.78777	16 S
K11H24C	24.3	0.15	K1128	310.442	69.544	228.525	1.984	0.60607	1.95910	5 X
K11H24E	19.3	0.15	K1128	288.484	55.974	262.876	2.098	0.51819	2.23790	5 W
K11H27G	17.8	0.15	K1128	337.460	14.733	207.799	25.184	0.26003	2.09487	11 S
K11H27V	16.2	0.15	K1128	298.414	197.968	82.154	10.738	0.16895	2.65537	8 S
K11H31V	18.4	0.15	K1128	12.785	312.277	205.427	13.392	0.19220	2.43184	30 S
K11H33S	16.2	0.15	K1128	226.929	232.236	117.963	8.689	0.12148	2.63902	29 S
K11H36W	17.3	0.15	K1128	273.106	226.221	71.950	12.851	0.08494	2.62678	3 S
K11H39H	19.6	0.15	K1128	344.029	173.335	43.373	24.394	0.45036	2.80188	4 S
K11H53B	17.5	0.15	K1128	2.768	352.052	83.201	30.243	0.71479	2.45137	5 X
K11H54J	16.3	0.15	K1128	309.407	158.625	109.763	10.132	0.07619	3.05618	9 S
K11H56S	17.6	0.15	K1128	325.939	200.567	29.362	11.829	0.20098	2.77219	37 S
K11H60R	24.6	0.15	K1128	348.674	300.440	220.223	3.862	0.59751	2.19732	3 W
K11H60S	21.3	0.15	K1128	178.297	306.076	59.594	15.023	0.41036	1.10274	3 W
K11H61J	19.0	0.15	K1128	115.622	190.933	216.110	21.470	0.42345	1.48568	3 S
K11J00A	21.3	0.15	K1128	345.756	286.542	215.040	41.470	0.28808	1.18742	3 X
K11J00K	18.4	0.15	K1128	317.035	10.834	203.443	6.699	0.46141	1.89798	3 S
K11J00L	21.8	0.15	K1128	333.419	190.526	59.443	10.841	0.52347	2.67652	2 S
K11J01D	21.7	0.15	K1128	346.094	85.470	34.323	21.893	0.35649	1.10962	1 S
K11J01E	21.3	0.15	K1128	353.269	295.360	213.505	35.557	0.32493	1.52786	1 X

New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc C
K10RA7L	15.6	0.15	K10AV	277.585	95.090	15.613	9.243	0.03282	3.16826	140 S
K10RA7Q	15.9	0.15	K10AV	313.284	60.506	17.865	9.320	0.07598	3.01328	140 W
K10RC8M	16.2	0.15	K10BK	347.071	200.368	197.247	17.520	0.21024	3.13718	137 W
K10S19L	15.8	0.15	K10AV	277.670	76.067	35.250	9.559	0.03655	3.17279	141 W
K10T82H	16.1	0.15	K10BK	9.181	156.678	209.577	14.608	0.14901	2.85899	120 W
K11B41Y	16.4	0.15	K112S	318.029	91.213	109.165	26.194	0.24092	3.08327	92 S
K11E14S	17.1	0.15	K112S	317.206	65.556	165.469	17.924	0.23863	2.84077	6 S
K11E47Z	18.0	0.15	K113K	67.022	88.002	27.378	20.971	0.08097	1.88216	57 W
K11E76M	16.6	0.15	K113K	346.690	112.335	105.122	12.065	0.23023	2.60745	59 W
K11E77U	18.6	0.15	K112S	48.178	318.014	166.661	24.171	0.06072	1.91875	6 S
K11F02K	17.0	0.15	K113K	320.782	136.190	113.511	6.068	0.18702	2.36482	51 S
K11F07Z	17.3	0.15	K1149	45.631	123.805	16.649	12.870	0.12257	2.72503	33 S
K11F08B	16.8	0.15	K1149	52.730	311.812	189.846	7.481	0.04086	2.57254	38 W
K11F11R	16.9	0.15	K1149	327.088	149.631	92.555	4.774	0.04224	2.78984	39 S
K11F13L	16.7	0.15	K1149	340.069	52.451	175.202	7.334	0.20716	3.15127	37 W
K11F22B	16.1	0.15	K113K	68.637	301.092	127.435	14.048	0.29410	3.33112	3ES
K11F22D	18.3	0.15	K113K	325.514	74.263	154.218	12.038	0.15902	2.37037	3 S
K11F23M	17.1	0.15	K1149	324.334	202.581	46.643	9.701	0.08233	2.75049	37 S
K11F23Y	17.9	0.15	K1149	350.590	14.334	197.229	1.860	0.16905	2.39387	36 W
K11F24P	17.7	0.15	K1149	327.362	143.852	96.866	7.284	0.14041	2.22159	35 S
K11F25C	18.0	0.15	K1149	336.099	135.493	95.890	7.652	0.16251	2.47698	34 S
K11F26G	15.9	0.15	K113K	349.140	141.507	63.503	13.505	0.06345	3.03659	50 S
K11F26H	17.2	0.15	K113K	11.476	121.735	50.279	13.400	0.21413	2.63632	50 S
K11F26M	16.8	0.15	K1149	347.824	92.748	118.854	9.956	0.04727	2.91938	34 S
K11F27Q	16.6	0.15	K1149	256.559	151.252	155.139	14.897	0.02101	2.70172	34 S
K11F29K	17.7	0.15	K1149	339.838	144.438	83.103	6.934	0.18738	2.29802	33 S
K11F35G	16.4	0.15	K1149	25.363	106.576	59.578	4.764	0.09159	3.13752	30 S
K11F40O	16.6	0.15	K1149	294.292	127.180	140.298	12.921	0.01814	2.93474	34 S
K11F43V	18.6	0.15	K113K	349.273	18.637	181.062	6.488	0.22490	2.40362	5 S
K11F45R	18.2	0.15	K1149	350.093	130.368	89.032	3.290	0.18116	2.37493	35 S
K11F45T	18.4	0.15	K1149	324.185	199.407	53.475	6.299	0.15106	2.23452	35 S
K11F45U	17.2	0.15	K1149	66.270	65.713	67.267	6.570	0.06694	2.29257	35 S
K11F46E	18.0	0.15	K1149	336.877	152.257	80.268	6.683	0.19785	2.30319	35 S
K11F59U	17.0	0.15	K1149	337.213	27.237	202.584	7.842	0.17856	3.13158	34 S
K11FB9F	15.9	0.15	K113K	29.556	174.767	340.075	8.409	0.03622	3.18187	21 S
K11FC6H	17.7	0.15	K113K	83.131	184.603	247.102	5.734	0.08208	2.38999	3 S
K11FC6L	17.4	0.15	K113K	59.103	210.203	248.595	5.881	0.05780	2.53903	3 S
K11FC9N	16.2	0.15	K113K	274.513	357.283	277.404	4.201	0.17297	2.58678	23 S
K11FD2F	17.9	0.15	K113K	332.799	223.868	349.935	8.250	0.18285	2.74383	4 S
K11FD6B	18.6	0.15	K113K	320.546	252.911	335.120	1.724	0.15425	2.63447	16 S
K11FD8G	16.3	0.15	K113K	234.584	330.554	338.861	2.651	0.07961	3.02405	20 S
K11FE2D	16.5	0.15	K1149	298.325	114.483	176.313	11.123	0.19728	2.60626	37 S
K11FE2H	17.2	0.15	K1149	306.910	179.388	103.009	6.784	0.22319	2.36345	37 S
K11FE4X	17.3	0.15	K113K	356.377	302.240	225.632	6.445	0.20765	3.12499	5 S
K11FE6K	16.3	0.15	K113K	111.136	284.418	92.921	13.074	0.25756	2.75205	5 S
K11FF0A	16.2	0.15	K112S	322.846	162.844	73.068	10.188	0.10153	2.68974	109 S
K11FF0C	16.9	0.15	K1149	319.417	151.963	99.595	6.868	0.07775	2.26965	37 S
K11FF0L	17.2	0.15	K1149	3.875	131.834	68.512	11.195	0.14492	2.83582	38 S
K11FF2M	16.9	0.15	K113K	298.656	15.632	244.214	3.818	0.17653	2.29953	7 S
K11FF2V	18.5	0.15	K1149	126.489	229.476	202.523	20.488	0.10717	1.92013	35 S
K11G12C	16.4	0.15	K113K	21.090	284.051	242.114	3.269	0.13587	3.19433	53 W

K11G12G	18.2	0.15	K1149	357.123	320.396	241.866	2.061	0.11934	2.36352	39 W
K11G12W	16.3	0.15	K1149	49.147	288.328	205.573	15.401	0.15483	3.10818	39 W
K11G30N	16.4	0.15	K1149	3.047	166.355	35.115	5.594	0.07994	3.06090	36 S
K11G31H	18.6	0.15	K1149	103.104	250.384	201.893	21.492	0.09614	1.91928	38 S
K11G33S	18.7	0.15	K1149	340.540	231.520	352.355	2.055	0.13006	2.35376	30 W
K11G33Z	16.5	0.15	K1149	1.557	251.234	305.427	2.177	0.06296	2.99635	30 S
K11G34G	18.6	0.15	K1149	356.520	250.804	313.241	1.411	0.14706	2.35353	30 W
K11G34L	18.1	0.15	K1149	317.809	46.995	207.499	4.672	0.14618	2.38119	30 W
K11G59G	17.7	0.15	K113K	335.694	98.897	139.564	3.113	0.15640	2.45805	63 W
K11G61U	16.6	0.15	K1149	311.579	182.449	95.426	15.215	0.22807	2.62555	28 W
K11G61V	16.4	0.15	K113K	346.641	183.588	37.840	36.636	0.32769	3.16434	50 S
K11G61Y	6.4	0.15	K1149	0.001	226.201	326.680	0.903	0.17160	43.01050	23 W
K11G63J	18.1	0.15	K113K	335.484	178.956	47.164	4.902	0.18424	2.36791	54 W
K11G67Y	17.6	0.15	K113K	25.704	107.568	46.398	24.062	0.23939	2.40495	50 S
K11G70R	17.5	0.15	K1149	341.620	147.263	84.386	7.489	0.18481	2.38692	28 S
K11G71L	19.0	0.15	K1149	10.229	116.421	71.650	16.685	0.24937	2.00099	27 S
K11G77T	19.7	0.15	K1149	348.222	21.332	200.730	23.781	0.03439	1.82442	25ES
K11G77U	19.1	0.15	K1149	74.355	61.349	62.389	19.755	0.06578	1.88107	17ES
K11G77V	19.3	0.15	K1149	68.634	65.998	60.224	20.988	0.08793	1.89407	17ES
K11H01V	16.8	0.15	K1149	77.096	319.073	146.586	4.882	0.12493	2.97982	11 W
K11H01X	18.5	0.15	K1149	23.224	42.961	123.210	3.097	0.15656	2.21074	11 W
K11H01Y	16.6	0.15	K1149	185.833	229.244	144.131	5.469	0.11727	2.46718	11 W
K11H03Z	17.4	0.15	K1149	334.551	112.356	130.796	13.842	0.17523	2.75368	11 W
K11H06O	16.8	0.15	K114T	6.379	12.167	198.368	13.298	0.14124	2.41784	6 W
K11H06T	17.5	0.15	K114T	96.987	286.681	170.831	6.269	0.08319	2.21053	9 W
K11H06U	17.9	0.15	K1149	284.765	118.641	164.454	6.392	0.08413	2.33513	11 W
K11H06X	18.1	0.15	K114T	353.844	101.802	136.544	13.564	0.20734	2.62725	9 W
K11H07V	17.4	0.15	K114T	75.505	59.609	77.295	22.301	0.09423	1.94380	5 W
K11H07Y	18.3	0.15	K114T	35.516	130.238	47.101	22.660	0.06939	1.89511	6 S
K11H08J	17.9	0.15	K1149	134.878	22.739	45.860	22.786	0.08323	1.87803	10 W
K11H08U	17.2	0.15	K1149	22.393	0.414	176.597	8.829	0.13649	2.78127	12 S
K11H08V	16.1	0.15	K1149	143.403	266.859	153.936	6.667	0.04517	2.79028	12 S
K11H08X	16.5	0.15	K1149	263.454	137.072	184.776	15.028	0.15697	2.84962	12 S
K11H10W	17.0	0.15	K1149	348.979	21.248	190.782	16.338	0.12423	3.12926	11 W
K11H10Z	18.6	0.15	K1149	358.358	14.827	185.948	3.768	0.24714	2.70302	11 W
K11H11A	17.6	0.15	K1149	157.233	44.803	354.757	1.401	0.04708	2.43331	11 W
K11H11C	16.7	0.15	K113K	321.854	213.755	33.570	18.115	0.18794	3.09000	51 W
K11H11D	18.5	0.15	K1149	3.492	85.145	108.557	2.606	0.13359	2.45124	11 W
K11H11U	17.6	0.15	K1149	341.306	167.255	76.392	7.250	0.06994	2.29207	11 W
K11H12F	17.7	0.15	K1149	317.849	160.187	100.786	3.515	0.13158	2.26292	10 W
K11H17Z	18.4	0.15	K1149	348.948	343.604	228.305	0.900	0.08888	2.26253	11 W
K11H18C	16.4	0.15	K1149	343.274	184.430	37.084	7.501	0.16928	3.13519	35 W
K11H18F	16.8	0.15	K114T	272.347	283.640	26.257	6.426	0.15436	2.45022	7 W
K11H18G	17.8	0.15	K1149	285.395	90.161	200.942	3.736	0.14498	2.38976	30 W
K11H18H	17.3	0.15	K114T	6.598	179.178	17.492	3.751	0.18615	2.60193	7 W
K11H19N	17.1	0.15	K114T	321.697	233.580	73.506	6.462	0.38461	2.70354	7 W
K11H22L	16.9	0.15	K114T	358.912	148.655	72.867	9.531	0.19616	2.72632	6 W
K11H22Z	16.7	0.15	K114T	285.659	196.912	110.979	13.436	0.25108	2.56094	5 S
K11H26S	16.4	0.15	K114T	7.111	74.982	150.212	18.064	0.11880	3.12870	5 W
K11H28H	15.0	0.15	K114T	262.716	109.500	221.541	10.749	0.06465	3.06317	8 S
K11H28W	17.0	0.15	K114T	320.271	99.941	176.649	5.537	0.17025	2.30330	6 W
K11H29G	16.1	0.15	K114T	338.958	185.994	63.240	9.857	0.18785	3.09406	6 W
K11H29P	16.5	0.15	K114T	7.893	146.248	60.774	10.502	0.17923	2.97427	5 W
K11H30T	16.9	0.15	K114T	322.971	233.750	65.301	14.761	0.36066	2.67211	5ES
K11H32T	16.9	0.15	K114T	334.566	72.597	208.168	16.905	0.39960	3.11081	6 S
K11H34G	17.4	0.15	K114T	337.770	203.832	29.842	7.000	0.11846	2.59747	5 W
K11H34W	16.6	0.15	K114T	336.610	120.103	146.659	16.387	0.22332	3.18514	5 W
K11H34Y	15.7	0.15	K114T	22.166	354.288	214.064	13.472	0.03939	3.14988	4 W
K11H35V	18.7	0.15	K114T	0.359	175.824	30.210	3.572	0.09188	2.26828	5 W
K11H36D	19.8	0.15	K114T	336.835	203.616	58.960	7.057	0.29478	1.87137	6 S
K11H38M	17.1	0.15	K114T	300.368	276.304	9.554	3.425	0.19938	2.83965	5 S
K11H39F	16.6	0.15	K114T	332.407	161.919	113.416	5.661	0.26029	2.65612	6 S
K11H39G	18.0	0.15	K114T	280.061	223.361	105.652	5.905	0.18309	2.36971	3 S
K11H39X	16.7	0.15	K114T	289.134	80.564	208.741	13.753	0.14647	2.97464	7 S
K11H43O	18.0	0.15	K114T	27.854	346.962	190.391	5.621	0.19507	2.31643	6 W
K11H45K	15.9	0.15	K114T	314.153	178.503	105.209	14.022	0.14130	3.00224	5 W
K11H51R	15.4	0.15	K114T	74.058	27.168	73.532	11.835	0.30266	3.29897	3 S
K11H51S	16.2	0.15	K114T	252.713	264.003	61.774	14.301	0.07591	2.55940	3 S
K11H51T	16.5	0.15	K114T	315.942	109.115	162.632	10.037	0.17449	3.06437	3 S
K11H51U	18.0	0.15	K114T	325.790	172.397	96.195	6.452	0.25308	2.30453	3 S
K11H53K	18.3	0.15	K114T	38.251	143.256	16.273	10.137	0.09101	2.58014	3 W
K11H53N	15.9	0.15	K114T	46.546	43.235	121.667	14.745	0.09227	3.11171	3 W
K11H54E	16.2	0.15	K1149	34.221	100.171	60.809	13.281	0.13044	3.13942	12 S
K11H54O	16.2	0.15	K1149	333.921	69.876	195.311	11.881	0.21309	3.09531	5 S
K11H56T	16.7	0.15	K114T	330.978	213.036	28.310	4.563	0.15593	3.16737	5 S
K11H58X	16.5	0.15	K114T	27.392	79.734	111.033	10.206	0.07706	3.18079	3 S
K11H60P	16.2	0.15	K114T	113.720	5.095	82.475	16.842	0.01009	3.08445	5 S

K11H60Q	16.7	0.15	K114T	262.611	207.939	119.757	14.994	0.14168	2.69728	2 S
K11H61E	15.9	0.15	K114T	346.339	164.049	84.798	30.971	0.19456	3.23025	5 X
K11H61F	17.3	0.15	K114T	142.123	211.729	214.726	35.143	0.07168	2.23009	4EX
K11H61G	17.9	0.15	K114T	80.573	55.488	90.483	23.136	0.05627	1.89915	4 X
K11H61H	19.4	0.15	K114T	85.457	83.519	35.204	18.897	0.06721	1.85394	3 X
K11H61K	18.0	0.15	K114T	2.107	149.059	1.720	38.263	0.48032	3.27097	5 S
K11H61M	18.4	0.15	K1149	1.199	15.178	202.206	21.241	0.12695	2.25822	9ES
K11H61N	18.3	0.15	K1149	61.363	48.284	97.096	19.593	0.16106	2.05924	4 S
K11H61O	18.7	0.15	K1149	288.065	77.456	209.496	19.957	0.14371	1.94765	2 S
K11H61P	18.0	0.15	K114T	114.163	35.087	51.889	25.189	0.12159	1.96230	3 S
K11H61Q	19.2	0.15	K114T	41.240	327.672	203.024	23.854	0.17133	2.10108	3 S
K11H61R	19.8	0.15	K114T	8.463	10.370	207.206	24.011	0.14672	1.92965	3 S
K11H61S	18.3	0.15	K114T	101.265	280.225	196.568	19.800	0.06781	1.87524	3ES
K11H61T	19.3	0.15	K114T	305.683	60.344	224.369	18.683	0.18960	2.05443	1 S
K11H61U	19.2	0.15	K114T	299.884	69.074	223.603	17.053	0.19767	2.01878	1 S
K11H61V	18.9	0.15	K114T	315.646	242.479	47.584	27.960	0.28563	2.24004	2 S
K11H61W	18.9	0.15	K114T	45.440	81.345	78.058	21.444	0.22894	2.10070	2 S
K11H61X	18.5	0.15	K114T	315.586	223.238	64.500	29.935	0.16164	2.05607	2 S
K11H61Y	18.7	0.15	K114T	294.231	213.059	78.457	25.428	0.02562	1.84671	3 S
K11H61Z	18.4	0.15	K114T	43.146	340.235	200.729	26.969	0.10322	2.16001	1 S
K11H62A	18.6	0.15	K114T	342.172	170.127	77.370	21.951	0.06964	1.76220	5 X
K11H62B	18.6	0.15	K114T	203.795	297.100	90.045	21.213	0.04534	1.81728	5 X
K11H62C	18.1	0.15	K114T	57.999	52.725	90.734	23.038	0.23980	2.16549	1 S
K11H62D	18.1	0.15	K114T	329.563	195.348	80.179	25.952	0.22196	2.18169	1 S
K11H62E	15.5	0.15	K114T	22.535	95.742	102.382	27.561	0.24501	3.56780	5 X
K11H62F	18.4	0.15	K114T	156.488	270.452	143.503	7.422	0.13777	2.02653	1 S
K11H62G	20.6	0.15	K114T	171.623	347.521	58.569	13.158	0.00804	1.73603	1EX
K11H62H	17.6	0.15	K114T	55.351	79.252	76.981	14.740	0.05779	2.14713	1 S
K11H62J	18.3	0.15	K114T	23.213	331.786	197.618	19.510	0.44241	3.05754	1ES
K11H62K	18.5	0.15	K114T	72.685	50.951	83.039	21.834	0.21304	2.05402	1 S
K11H62L	17.6	0.15	K114T	43.202	96.654	79.229	20.257	0.14904	1.99730	1 S
K11H62M	16.7	0.15	K114T	136.518	254.781	104.358	23.857	0.21560	2.27213	5ES
K11H62O	14.8	0.15	K114T	289.099	180.648	146.650	23.225	0.15995	3.00108	2 S
K11H62P	15.8	0.15	K114T	341.495	80.817	199.372	29.544	0.27551	2.72224	1EX
K11H62Q	16.1	0.15	K114T	359.920	18.143	225.994	35.316	0.04242	3.00419	4EX
K11H62R	16.4	0.15	K114T	318.815	159.511	142.747	18.311	0.29938	2.54056	3ES
K11H62S	18.1	0.15	K1149	64.384	285.645	199.025	23.893	0.12528	1.89825	12ES
K11J00F	18.3	0.15	K1149	334.671	31.717	198.418	22.277	0.04021	1.90582	12 S
K11J00G	16.9	0.15	K114T	356.180	167.565	102.502	10.972	0.50031	3.24844	2 X
K11J00H	18.5	0.15	K114T	249.707	277.140	60.125	22.720	0.07156	1.93787	2 X
K11J00J	13.4	0.15	K114T	197.631	250.736	218.464	22.529	0.11313	4.28027	2EX
K11J00N	16.0	0.15	K114T	359.679	9.403	220.380	82.751	0.01626	3.82176	2EX
K11J00O	18.9	0.15	K114T	187.479	336.875	60.341	24.078	0.12228	1.86626	2EX
K11J00P	17.2	0.15	K114T	359.350	157.726	65.089	29.614	0.09926	2.39999	2EX
K11J00Q	16.5	0.15	K114T	359.145	84.064	138.693	15.751	0.13012	2.48243	1EX
K11J00R	17.0	0.15	K114T	97.049	343.022	89.043	19.921	0.21715	1.95856	1ES
K11J00S	17.5	0.15	K114T	33.887	286.807	227.051	18.495	0.36657	2.47388	1 X
K11J00T	17.3	0.15	K114T	345.001	96.691	148.965	14.724	0.18263	2.54363	1EX
K11J00U	16.1	0.15	K114T	359.339	59.276	163.650	23.088	0.14579	2.94504	2EX
K11J00V	17.5	0.15	K114T	12.894	57.934	135.370	15.270	0.26068	2.41560	1EX
K11J00W	17.5	0.15	K114T	352.620	162.722	73.924	25.886	0.47494	3.45106	1EX
K11J00X	13.8	0.15	K114T	117.855	324.070	94.261	31.617	0.49428	3.15095	1ES
K11J00Y	13.9	0.15	K114T	170.379	274.345	126.061	26.276	0.30711	2.87928	1EX
K11J00Z	17.9	0.15	K114T	321.294	191.687	74.322	26.093	0.17270	2.06343	1EX
K11J01A	18.3	0.15	K114T	73.031	319.217	164.714	16.332	0.13889	1.86239	1EX
K11J01B	14.6	0.15	K114T	155.262	325.480	95.348	28.195	0.09591	3.13040	1EX
K11J01C	17.2	0.15	K114T	20.575	103.662	90.412	24.253	0.12863	2.02403	1EX

New observations:

K04F04U	C2011	05	03.14908	12	48	46.12	-07	40	34.7	18.5	VoEJ016691
K04F04U	C2011	05	03.17301	12	48	42.65	-07	41	08.7	19.7	VoEJ016691
K04F04U	C2011	05	03.19692	12	48	39.21	-07	41	42.6	18.9	VoEJ016691
K04G00P	KC2011	05	04.07664	19	22	45.62	+60	29	48.5	19.0	RoEJ016A17
K04G00P	KC2011	05	04.08855	19	22	46.20	+60	30	42.4	19.4	RoEJ016A17
K04G00P	KC2011	05	04.09714	19	22	46.67	+60	31	20.9	19.0	RoEJ016A17
K05S71A	C2011	05	03.28441	13	04	40.62	+06	03	06.7	20.2	VrEJ016G96
K05S71A	C2011	05	03.28772	13	04	40.15	+06	03	05.0	20.1	VrEJ016G96
K05S71A	C2011	05	03.29104	13	04	39.75	+06	03	03.4	20.0	VrEJ016G96
K05S71A	C2011	05	03.29435	13	04	39.32	+06	03	01.3	20.2	VrEJ016G96
K10T05U	KC2011	05	03.98867	18	12	43.00	+52	30	55.9	16.1	RoEJ016A17
K10T05U	KC2011	05	04.03335	18	11	44.94	+52	24	16.0	16.9	RoEJ016A17
K10T05U	KC2011	05	04.06661	18	11	01.93	+52	19	16.8	16.9	RoEJ016A17
K10U07F	C2011	01	28.26530	01	22	54.703	+18	00	20.77	21.0	wLEJ016F51
K10U07F	C2011	01	28.27000	01	22	55.220	+18	00	26.96	21.0	wLEJ016F51
K10U07F	C2011	01	28.27625	01	22	55.906	+18	00	35.22	21.1	wLEJ016F51
K10W07Q	KC2011	05	01.82767	10	18	15.00	+46	15	47.7	18.8	RcEJ016A24
K10W07Q	KC2011	05	01.84566	10	18	21.75	+46	15	03.3	18.9	RcEJ016A24

K10W07Q	KC2011	05	01.85618	10	18	25.68	+46	14	37.2	19.1	RcEJ016A24
K10W07Q	KC2011	05	01.86606	10	18	29.39	+46	14	12.8	18.9	RcEJ016A24
K10W07Q	KC2011	05	01.87658	10	18	33.33	+46	13	46.9	19.2	RcEJ016A24
K10W07Q	KC2011	05	01.89457	10	18	40.10	+46	13	03.1	18.9	RcEJ016A24
K10W08P	QC2011	05	03.48241	09	02	42.45	-17	52	00.7	19.7	VrEJ016E12
K11G59Q	KC2011	05	03.25674	13	57	05.25	-00	09	46.3	19.5	RuEJ016448
K11G59Q	KC2011	05	03.27093	13	57	09.07	-00	10	24.4	19.3	RuEJ016448
K11G59Q	KC2011	05	03.28520	13	57	12.91	-00	11	01.7	19.8	RuEJ016448
K11G62L	KC2011	05	03.30618	14	49	42.51	+12	17	02.6	19.4	RuEJ016448
K11G62L	KC2011	05	03.31529	14	49	40.21	+12	17	07.8	19.9	RuEJ016448
K11G62L	KC2011	05	03.32454	14	49	37.98	+12	17	13.2	19.4	RuEJ016448
K11G62L	C2011	05	03.33468	14	49	35.58	+12	17	19.3	19.4	VrEJ016G96
K11G62L	C2011	05	03.34272	14	49	33.60	+12	17	24.0	19.4	VrEJ016G96
K11G62L	C2011	05	03.35069	14	49	31.65	+12	17	28.7	19.4	VrEJ016G96
K11G62L	C2011	05	03.35879	14	49	29.67	+12	17	33.7	19.2	VrEJ016G96
K11G62L	KC2011	05	03.85717	14	47	33.81	+12	22	13.4	19.0	VuEJ016A13
K11G62L	KC2011	05	03.87847	14	47	28.78	+12	22	25.3	19.3	VuEJ016A13
K11G62L	C2011	05	04.14861	14	46	26.47	+12	24	52.6	19.8	VoEJ016H26
K11G62L	C2011	05	04.15039	14	46	26.07	+12	24	52.8	20.0	VoEJ016H26
K11G62L	C2011	05	04.15215	14	46	25.69	+12	24	54.4	19.8	VoEJ016H26
K11G65Q	KC2011	05	03.99868	17	28	50.54	+28	37	06.0	18.7	RrEJ016A17
K11G65Q	KC2011	05	04.01040	17	28	50.20	+28	36	46.3	18.9	RrEJ016A17
K11G65Q	KC2011	05	04.02212	17	28	49.85	+28	36	26.6	18.9	RrEJ016A17
K11G65X	tC2011	05	03.30631	13	34	36.95	-01	13	18.8	20.0	VoEJ016291
K11G65X	tC2011	05	03.31000	13	34	35.69	-01	13	33.2	20.0	VoEJ016291
K11H00Q	KC2011	05	03.89108	14	51	21.24	+29	07	49.5	18.7	RrEJ016A17
K11H00Q	KC2011	05	03.89988	14	51	21.13	+29	07	15.9	18.8	RrEJ016A17
K11H00Q	KC2011	05	03.91455	14	51	20.94	+29	06	20.3	18.7	RrEJ016A17
K11H00R	KC2011	05	04.26672	14	25	32.77	+32	40	03.0	20.0	RuEJ016H36
K11H00R	KC2011	05	04.27201	14	25	32.06	+32	39	59.1	20.2	RuEJ016H36
K11H00R	KC2011	05	04.27652	14	25	31.60	+32	39	56.0	19.9	RuEJ016H36
K11H00S	KC2011	05	03.34418	15	34	22.52	+22	50	32.7	17.5	RuEJ016448
K11H00S	KC2011	05	03.34773	15	34	22.37	+22	50	14.8	17.6	RuEJ016448
K11H00S	KC2011	05	03.35174	15	34	22.20	+22	49	54.7	17.6	RuEJ016448
K11H00S	KC2011	05	03.35568	15	34	22.03	+22	49	34.8	17.6	RuEJ016448
K11H00S	KC2011	05	03.36052	15	34	21.84	+22	49	10.4	17.5	RuEJ016448
K11H00S	KC2011	05	03.92642	15	34	13.39	+22	02	46.3	18.1	RrEJ016A17
K11H00S	KC2011	05	03.93422	15	34	13.13	+22	02	09.4	17.9	RrEJ016A17
K11H00S	KC2011	05	03.94203	15	34	12.87	+22	01	32.6	17.8	RrEJ016A17
K11H00T	KC2011	05	03.95387	16	35	29.25	+23	53	51.5	19.1	RrEJ016A17
K11H00T	KC2011	05	03.96559	16	35	33.22	+23	53	51.5	19.0	RrEJ016A17
K11H00T	KC2011	05	03.97731	16	35	37.16	+23	53	51.6	19.1	RrEJ016A17
K11H07L	KC2011	05	04.03901	17	10	19.21	-02	47	45.3	18.5	RrEJ016A17
K11H07L	KC2011	05	04.04938	17	10	19.81	-02	47	16.3	18.7	RrEJ016A17
K11H07L	KC2011	05	04.05719	17	10	20.26	-02	46	54.2	18.7	RrEJ016A17
K11H24C	KC2011	05	02.92100	13	38	28.03	-13	48	59.1	20.4	RuEJ016J18
K11H24C	KC2011	05	02.92713	13	38	26.43	-13	48	48.2		uEJ016J18
K11H24E	C2011	05	03.29312	13	06	09.71	-10	35	21.1	22.0	VoEJ016291
K11H24E	C2011	05	03.29700	13	06	09.36	-10	35	19.3	21.8	VoEJ016291
K11H24E	C2011	05	03.30103	13	06	09.08	-10	35	17.2	21.8	VoEJ016291
K11H53B	KC2011	05	03.19096	10	55	14.67	+55	24	06.5	19.8	RuEJ016H36
K11H53B	KC2011	05	03.19714	10	55	15.63	+55	23	51.2	19.7	RuEJ016H36
K11H53B	KC2011	05	03.20311	10	55	16.59	+55	23	36.4	19.7	RuEJ016H36
K11H53B	KC2011	05	03.20911	10	55	17.45	+55	23	22.0	19.7	RuEJ016H36
K11H53B	KC2011	05	03.21580	10	55	18.46	+55	23	05.3	19.8	RuEJ016H36
K11H53B	KC2011	05	03.92655	10	57	07.80	+54	54	22.0	19.6	RuEJ016J18
K11H53B	KC2011	05	03.98442	10	57	16.40	+54	52	01.2	19.5	RuEJ016J18
K11H53B	JC2011	05	04.18719	10	57	47.22	+54	43	56.2	19.4	VoEJ016695
K11H53B	JC2011	05	04.18794	10	57	47.33	+54	43	54.7	19.4	VoEJ016695
K11H53B	JC2011	05	04.18866	10	57	47.43	+54	43	52.8	19.5	VoEJ016695
K11H53B	JC2011	05	04.18939	10	57	47.55	+54	43	51.1	19.5	VoEJ016695
K11J00A	C2011	05	03.40072	14	40	40.40	+57	11	55.4	19.0	VrEJ016703
K11J00A	C2011	05	03.40506	14	40	39.68	+57	11	54.3	18.8	VrEJ016703
K11J00A	C2011	05	03.40939	14	40	39.00	+57	11	54.4	18.8	VrEJ016703
K11J00A	C2011	05	03.41375	14	40	38.24	+57	11	54.3	19.0	VrEJ016703
K11J00A	JC2011	05	04.23626	14	39	12.26	+57	13	54.1	19.2	VoEJ016695
K11J00A	JC2011	05	04.23903	14	39	11.83	+57	13	54.8	19.2	VoEJ016695
K11J00A	JC2011	05	04.24110	14	39	11.52	+57	13	55.3	19.2	VoEJ016695
K11J01E	KC2011	05	04.00848	13	04	27.08	+07	07	03.5		uEJ016J95
K11J01E	KC2011	05	04.01661	13	04	28.07	+07	07	54.2		uEJ016J95
K11J01E	KC2011	05	04.02351	13	04	28.82	+07	08	39.0	19.3	RuEJ016J95
03122	C2011	05	03.13448	08	06	10.69	+24	40	04.3	18.6	VrEJ016G96
03122	C2011	05	03.13862	08	06	11.03	+24	40	01.4	18.4	cEJ016704
03122	C2011	05	03.14029	08	06	11.16	+24	40	00.1	18.4	VrEJ016G96
03122	C2011	05	03.14611	08	06	11.66	+24	39	56.1	18.4	VrEJ016G96
03122	C2011	05	03.15190	08	06	12.16	+24	39	52.2	18.5	VrEJ016G96
03122	C2011	05	03.15913	08	06	12.78	+24	39	47.7	18.7	cEJ016704

03122	C2011	05	03.16954	08	06	13.68	+24	39	40.4	18.9	cEJ016704
03122	C2011	05	03.17987	08	06	14.57	+24	39	33.2	18.8	cEJ016704
03554	QC2011	05	03.47248	09	20	08.15	-13	31	06.8	16.4	VrEJ016E12
03554	QC2011	05	03.48384	09	20	07.80	-13	31	16.4	16.3	VrEJ016E12
03554	QC2011	05	03.50643	09	20	07.18	-13	31	35.0	16.3	VrEJ016E12
04660	C2011	05	03.19846	09	21	34.20	+12	47	14.1	19.1	VrEJ016703
04660	C2011	05	03.20780	09	21	36.64	+12	47	02.8	19.7	VrEJ016703
04660	C2011	05	03.21677	09	21	38.95	+12	46	52.0	19.7	VrEJ016703
04660	C2011	05	03.22565	09	21	41.22	+12	46	40.1	19.4	VrEJ016703
04954	C2011	05	01.82965	10	17	11.13	+11	04	03.8	16.0	RcEJ016A24
04954	C2011	05	01.83037	10	17	11.14	+11	04	03.7	16.0	RcEJ016A24
04954	KC2011	05	01.85220	10	17	11.66	+11	03	51.3	15.9	RcEJ016A24
04954	KC2011	05	01.87474	10	17	12.21	+11	03	38.6	15.9	RcEJ016A24
04954	C2011	05	01.89656	10	17	12.73	+11	03	26.1	15.6	RcEJ016A24
04954	C2011	05	01.89728	10	17	12.73	+11	03	25.8	15.7	RcEJ016A24
05626	C2011	05	03.23016	13	46	45.30	-07	14	43.2	18.8	VrEJ016G96
05626	C2011	05	03.23763	13	46	44.86	-07	14	40.8	18.7	VrEJ016G96
05626	C2011	05	03.24514	13	46	44.43	-07	14	38.3	18.7	VrEJ016G96
05626	C2011	05	03.25256	13	46	44.00	-07	14	36.0	18.8	VrEJ016G96
05869	C2011	05	03.16340	09	03	04.10	-03	38	47.9	20.3	VrEJ016703
05869	C2011	05	03.17203	09	03	05.50	-03	38	45.6	20.0	VrEJ016703
05869	C2011	05	03.18073	09	03	06.84	-03	38	42.7	19.8	VrEJ016703
05869	C2011	05	03.18938	09	03	08.13	-03	38	38.9	19.3	VrEJ016703
07753	C2011	05	03.28655	12	29	11.22	+01	43	28.3	20.2	VrEJ016G96
07753	C2011	05	03.28985	12	29	10.93	+01	43	28.7	19.8	VrEJ016G96
07753	C2011	05	03.29317	12	29	10.71	+01	43	30.5	20.5	VrEJ016G96
07753	C2011	05	03.29647	12	29	10.42	+01	43	31.1	20.2	VrEJ016G96
18106	C2011	05	03.22677	13	45	55.54	-04	06	02.6	21.4	VrEJ016G96
18106	C2011	05	03.23420	13	45	55.15	-04	06	01.1	21.2	VrEJ016G96
18106	C2011	05	03.24167	13	45	54.75	-04	06	00.1	20.6	VrEJ016G96
18106	C2011	05	03.24918	13	45	54.32	-04	05	58.2	20.6	VrEJ016G96
22753	C2011	01	28.26328	01	22	45.227+12	03	02.50		21.2	wLEJ016F51
22753	C2011	01	28.26799	01	22	45.855+12	03	05.69		21.1	wLEJ016F51
22753	C2011	01	28.27424	01	22	46.697+12	03	10.00		21.3	wLEJ016F51
22753	C2011	01	28.27892	01	22	47.304+12	03	13.19		21.2	wLEJ016F51
22771	C2011	05	03.15729	08	37	23.77	+01	36	16.2	17.8	VrEJ016703
22771	C2011	05	03.16046	08	37	23.55	+01	36	14.0	17.9	VrEJ016703
22771	C2011	05	03.16689	08	37	23.26	+01	36	09.6	17.9	VrEJ016703
22771	C2011	05	03.16918	08	37	23.12	+01	36	09.0	17.8	VrEJ016703
22771	C2011	05	03.17551	08	37	22.80	+01	36	05.2	17.7	VrEJ016703
22771	C2011	05	03.17784	08	37	22.65	+01	36	03.2	17.6	VrEJ016703
22771	C2011	05	03.18421	08	37	22.40	+01	35	59.7	17.6	VrEJ016703
23187	C2011	04	29.25880	11	05	15.68	+60	25	21.4	18.6	RuEJ016H45
23187	C2011	04	29.27884	11	05	18.40	+60	25	04.8	18.4	RuEJ016H45
23187	C2011	04	29.28202	11	05	18.87	+60	25	02.2	18.4	RuEJ016H45
23187	C2011	04	29.28616	11	05	19.44	+60	24	58.3	18.4	RuEJ016H45
23187	C2011	04	29.29180	11	05	20.17	+60	24	53.8	18.3	RuEJ016H45
24445	C2011	05	03.14646	12	48	44.71	-05	05	58.0	20.1	VoEJ016691
24445	C2011	05	03.17039	12	48	43.65	-05	05	42.2	19.2	VoEJ016691
24445	C2011	05	03.19431	12	48	42.64	-05	05	26.7	19.2	VoEJ016691
85490	C2011	05	03.61291	14	40	33.48	-19	13	31.1	18.4	RrEJ016D29
85490	C2011	05	03.62701	14	40	32.60	-19	13	27.4	19.0	RrEJ016D29
85490	C2011	05	03.64281	14	40	31.59	-19	13	24.1	18.7	RrEJ016D29
85490	C2011	05	03.65690	14	40	30.75	-19	13	19.4	19.8	RrEJ016D29
89830	KC2011	05	01.82470	10	11	05.87	+46	51	48.6	18.4	RcEJ016A24
89830	KC2011	05	01.83786	10	11	06.12	+46	51	28.5	18.6	RcEJ016A24
89830	KC2011	05	01.84676	10	11	06.29	+46	51	14.9	18.8	RcEJ016A24
89830	KC2011	05	01.86954	10	11	06.72	+46	50	40.1	18.8	RcEJ016A24
89830	KC2011	05	01.87843	10	11	06.89	+46	50	26.6	18.6	RcEJ016A24
89830	KC2011	05	01.89159	10	11	07.17	+46	50	06.7	18.7	RcEJ016A24
89958	C2011	05	03.24166	12	22	05.77	+04	02	23.7	19.2	cEJ016704
89958	C2011	05	03.25220	12	22	05.11	+04	02	26.8	18.9	cEJ016704
89958	C2011	05	03.26262	12	22	04.39	+04	02	29.7	19.5	cEJ016704
89958	C2011	05	03.27306	12	22	03.71	+04	02	33.8	19.3	cEJ016704
89958	C2011	05	03.28332	12	22	03.03	+04	02	36.8	19.4	cEJ016704
A8519	C2011	05	03.48170	09	11	27.96	-20	00	23.4	19.2	VrEJ016E12
A8519	C2011	05	03.50429	09	11	30.26	-20	00	09.0	18.8	VrEJ016E12
D6617	KC2011	05	01.83187	10	23	07.27	-00	26	39.8	18.0	RcEJ016A24
D6617	KC2011	05	01.84842	10	23	07.06	-00	26	32.9	18.2	RcEJ016A24
D6617	KC2011	05	01.85849	10	23	06.93	-00	26	28.7	18.2	RcEJ016A24
D6617	KC2011	05	01.87216	10	23	06.74	-00	26	22.9	18.3	RcEJ016A24
D6617	KC2011	05	01.88224	10	23	06.59	-00	26	19.1	18.3	RcEJ016A24
D6617	KC2011	05	01.89878	10	23	06.39	-00	26	12.1	17.9	RcEJ016A24
D7062	C2011	01	28.26530	01	18	08.541+16	26	41.99		20.0	wLEJ016F51
D7062	C2011	01	28.27000	01	18	08.944+16	26	46.49		20.0	wLEJ016F51
D7062	C2011	01	28.27625	01	18	09.486+16	26	52.52		20.0	wLEJ016F51
D7062	C2011	01	28.28095	01	18	09.904+16	26	57.04		20.0	wLEJ016F51

E1525	C2011	05	03.25073	11	26	39.87	+32	25	06.7	18.9	VrEJ016703
E1525	C2011	05	03.25928	11	26	36.74	+32	24	54.8	18.9	VrEJ016703
E1525	C2011	05	03.26795	11	26	33.54	+32	24	43.9	18.8	VrEJ016703
E1525	C2011	05	03.27666	11	26	30.40	+32	24	32.4	18.8	VrEJ016703
E1531	C2011	05	03.24589	13	16	19.96	+00	43	39.7	19.6	cEJ016704
E1531	C2011	05	03.25648	13	16	17.66	+00	43	31.5	20.1	cEJ016704
E1531	C2011	05	03.26672	13	16	15.43	+00	43	22.0	19.8	cEJ016704
E1531	C2011	05	03.27716	13	16	13.36	+00	43	12.8	19.8	cEJ016704
E1531	C2011	05	03.28751	13	16	11.02	+00	43	04.5	20.0	cEJ016704
E4901	C2011	01	28.26667	01	12	38.493	+09	36	12.71	22.0	wLEJ016F51
E4901	C2011	01	28.27292	01	12	39.123	+09	36	17.97	22.1	wLEJ016F51
E4901	C2011	01	28.27760	01	12	39.620	+09	36	21.72	22.1	wLEJ016F51
F2941	C2011	05	03.29239	13	05	03.64	-10	49	24.0	20.2	VoEJ016291
F2941	C2011	05	03.29628	13	05	03.16	-10	49	22.1	19.9	VoEJ016291
F2941	C2011	05	03.30031	13	05	02.58	-10	49	20.0	19.7	VoEJ016291
F9857	C2011	05	03.46178	22	05	17.16	+08	28	16.6	17.8	VrEJ016703
F9857	C2011	05	03.47165	22	05	19.21	+08	28	36.0	18.0	VrEJ016703
F9857	C2011	05	03.47686	22	05	20.29	+08	28	45.0	17.7	VrEJ016703
G4121	C2011	05	03.94556	08	25	42.27	+43	45	46.5	15.4	RoEJ016J69
G4121	C2011	05	03.94770	08	25	43.51	+43	45	09.5	15.4	RoEJ016J69
G4121	C2011	05	03.94912	08	25	44.31	+43	44	45.1	15.2	RoEJ016J69
G4121	C2011	05	03.95054	08	25	45.15	+43	44	20.5	15.4	RoEJ016J69
G4121	C2011	05	03.95197	08	25	45.97	+43	43	56.1	15.4	RoEJ016J69
J8856	KC2011	05	01.82175	10	10	53.12	+50	50	58.7	18.4	RcEJ016A24
J8856	KC2011	05	01.83491	10	10	55.60	+50	50	28.9	18.5	RcEJ016A24
J8856	KC2011	05	01.84381	10	10	57.26	+50	50	08.8	18.5	RcEJ016A24
J8856	KC2011	05	01.86660	10	11	01.50	+50	49	17.2	18.6	RcEJ016A24
J8856	KC2011	05	01.87550	10	11	03.17	+50	48	57.1	18.4	RcEJ016A24
J8856	KC2011	05	01.88867	10	11	05.65	+50	48	27.7	18.5	RcEJ016A24
O8818	C2011	01	28.23925	01	15	49.182	+03	17	00.26	20.3	wLEJ016F51
O8818	C2011	01	28.24475	01	15	50.399	+03	16	58.97	20.3	wLEJ016F51
O8818	C2011	01	28.25114	01	15	51.822	+03	16	57.24	20.3	wLEJ016F51
O8818	C2011	01	28.25664	01	15	53.050	+03	16	55.86	20.4	wLEJ016F51
Q7729	C2011	05	03.24557	13	05	35.09	-00	35	37.4	19.7	cEJ016704
Q7729	C2011	05	03.25618	13	05	34.75	-00	35	35.2	19.9	cEJ016704
Q7729	C2011	05	03.26644	13	05	34.47	-00	35	32.0	19.7	cEJ016704
Q7729	C2011	05	03.28726	13	05	33.81	-00	35	27.5	20.0	cEJ016704

New natural satellite orbits:

Object	H	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
SK10J010	16.6	K1128	341.925	226.715	319.357	163.795	0.26310	0.15201	119	X
SK10J020	17.5	K1128	120.196	75.427	33.457	149.751	0.20103	0.14418	55	X

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