

MPEC 2011-W43 : DAILY ORBIT UPDATE (2011 NOV. 24 UT)

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M.P.E.C. 2011-W43

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Update to [MPEC 2011-W37](#)

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

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp C
J94A09B	17.4	0.15	K118R	331.671	294.916	121.899	2.904	0.19935	2.37714	5 X
J94X00B	18.2	0.15	K118R	356.229	145.634	235.316	4.542	0.21002	2.25457	4 X
J95U22Z	16.2	0.15	K118R	301.719	239.233	231.220	8.996	0.04462	3.01455	5 X
J95W36B	16.8	0.15	K118R	351.918	328.655	55.484	1.580	0.18185	3.08415	4 X
J96A16X	16.4	0.15	K118R	30.165	203.957	139.597	6.705	0.29186	2.57899	5 X
J96T34J	17.2	0.15	K118R	18.989	338.247	19.454	2.812	0.22362	2.40340	4 X
J96X23V	16.9	0.15	K118R	343.583	163.838	251.494	4.135	0.21765	2.40881	5 X
J97W11T	16.8	0.15	K118R	25.738	146.692	229.532	5.241	0.11530	2.75640	4 X
J97W14L	18.4	0.15	K118R	328.422	337.394	95.060	2.567	0.19826	2.30148	5 X
J98Q36V	16.3	0.15	K118R	21.037	26.707	316.973	12.228	0.30305	2.62045	6 X
J98U05G	17.1	0.15	K118R	46.303	276.202	56.946	6.592	0.23181	2.62260	4 X
J98V43H	17.8	0.15	K118R	342.784	200.792	224.901	5.245	0.17743	2.63160	4 X
J98W29Z	16.6	0.15	K118R	17.269	149.398	233.888	12.764	0.10206	2.63136	4 X
J99B30F	18.3	0.15	K118R	278.955	173.429	312.846	2.954	0.15026	2.22963	4 X
J99TG1P	17.3	0.15	K118R	45.476	205.961	151.269	2.747	0.20092	2.45663	6 X
J99TN2R	16.4	0.15	K118R	35.540	220.720	88.581	7.800	0.38989	2.50076	5 X
J99V47B	17.0	0.15	K118R	358.865	12.059	45.115	11.057	0.24181	2.48094	4 X
J99VF4U	17.3	0.15	K118R	244.285	119.020	52.724	8.365	0.03783	2.48475	5 X
J99X68O	17.5	0.15	K118R	338.000	181.386	237.187	3.800	0.25965	2.52969	4 X
J99XE3M	16.2	0.15	K118R	308.942	18.226	80.324	35.696	0.20255	2.55310	5 X
J99Y07J	15.8	0.15	K118R	13.880	281.532	92.989	5.259	0.17872	2.51538	6 X
J99Y08N	16.0	0.15	K118R	8.957	274.672	102.697	5.402	0.25766	2.55909	7 X
J99Y24S	16.6	0.15	K118R	229.230	289.841	256.087	4.268	0.08814	2.53468	8 X
K00AJ4P	14.6	0.15	K118R	2.513	0.860	135.912	28.195	0.15944	3.17544	6 X
K00AL9G	16.5	0.15	K118R	10.734	288.628	105.359	8.500	0.24692	2.53391	7 X
K00AM5Q	17.2	0.15	K118R	343.991	317.396	88.751	2.059	0.21121	2.55741	4 X
K00B48S	17.0	0.15	K118R	332.753	94.734	325.489	1.075	0.20276	2.58923	4 X

K00C86M	16.5	0.15	K118R	315.991	351.788	118.724	4.924	0.25303	2.56602	4 X
K00D98W	15.6	0.15	K118R	11.913	52.774	356.713	12.388	0.34535	2.52961	4 X
K00F54E	16.8	0.15	K118R	175.128	191.942	32.433	10.000	0.21635	2.72316	4 X
K00G28B	17.5	0.15	K118R	116.908	30.539	209.763	3.201	0.21194	2.23798	5 X
K00Q14R	16.7	0.15	K118R	14.878	242.016	127.292	2.837	0.21993	2.31867	7 X
K00Q43X	17.0	0.15	K118R	22.418	184.900	157.044	9.129	0.23751	2.33814	2 X
K00QM0L	17.2	0.15	K118R	62.140	358.940	327.671	4.250	0.19127	2.29470	5 X
K00S00S	18.5	0.15	K118R	52.188	320.493	1.718	4.452	0.15487	2.33924	5 X
K00S13Z	17.1	0.15	K118R	1.665	105.143	253.969	8.892	0.22659	2.35654	3 X
K00S17S	16.6	0.15	K118R	100.554	91.152	201.463	6.701	0.10104	2.30882	6 X
K00S30U	17.2	0.15	K118R	80.640	278.546	18.492	7.396	0.11946	2.32610	5 X
K00S64O	17.0	0.15	K118R	355.123	294.686	101.091	2.637	0.23092	2.34860	5 X
K00SE9L	17.2	0.15	K118R	9.138	205.168	170.726	1.158	0.20284	2.35427	5 X
K00St7K	17.3	0.15	K118R	356.118	158.287	236.251	4.627	0.20850	2.34568	4 X
K00Sa2B	17.1	0.15	K118R	13.512	293.172	78.471	3.288	0.19311	2.33749	5 X
K00T05P	16.2	0.15	K118R	53.777	328.907	14.568	10.553	0.11087	3.00227	5 X
K00T37F	16.6	0.15	K118R	12.057	312.979	48.543	7.248	0.26674	2.34094	5 X
K00U00O	16.6	0.15	K118R	6.935	136.129	225.318	13.984	0.27334	2.38133	3 X
K00U11P	15.8	0.15	K118R	16.861	310.501	79.181	24.144	0.27743	2.33494	5 X
K00U76F	16.7	0.15	K118R	356.225	162.513	232.287	23.318	0.22923	2.36706	3 X
K00U83K	17.3	0.15	K118R	341.645	345.721	64.183	6.516	0.25548	2.36603	3 X
K00V56G	14.8	0.15	K118R	359.809	2.973	48.526	18.504	0.19659	3.09520	6 X
K00W10P	17.8	0.15	K118R	9.368	301.369	75.241	3.265	0.21513	2.38495	4 X
K00W28Q	16.3	0.15	K118R	315.888	36.068	61.344	24.632	0.34222	2.37009	3 X
K00W74K	16.5	0.15	K118R	46.182	62.287	285.458	5.816	0.13060	2.35628	5 X
K00WC2R	16.8	0.15	K118R	335.679	162.042	265.297	4.490	0.21180	2.38376	4 X
K00WD8F	15.2	0.15	K118R	1.505	146.701	234.107	16.581	0.21344	3.13863	3 X
K00WI6P	14.6	0.15	K118R	305.517	258.577	272.973	23.127	0.34764	3.10881	5 X
K00X02T	15.2	0.15	K118R	328.278	33.257	306.559	10.562	0.18303	2.47381	7 X
K00X22W	15.0	0.15	K118R	15.650	338.936	47.681	17.013	0.22541	3.11346	5 X
K00Y29J	18.0	0.15	K118R	296.370	327.751	266.192	43.664	0.83317	1.95776	3 X
K01FL1Y	18.5	0.15	K118R	356.345	31.547	353.310	3.914	0.27780	2.52883	3 X
K01FM2H	17.5	0.15	K118R	60.762	218.111	111.963	0.411	0.14270	2.55484	5 X
K01M17H	15.7	0.15	K118R	80.966	192.932	100.823	17.810	0.17739	2.76423	4 X
K01QD6F	18.1	0.15	K118R	12.258	112.321	210.243	8.643	0.32125	2.23335	2 X
K01QM1V	16.4	0.15	K118R	30.414	152.641	201.650	8.800	0.23350	2.80337	4 X
K01QX0Q	17.8	0.15	K118R	5.230	359.753	7.324	5.274	0.19653	2.20954	4 X
K01R36O	18.3	0.15	K118R	35.354	112.335	217.268	4.676	0.20086	2.19328	4 X
K01S13Z	18.4	0.15	K118R	30.195	189.468	147.354	1.252	0.19692	2.19937	2 X
K01S28B	17.5	0.15	K118R	37.846	310.779	15.355	6.344	0.22704	2.20245	3 X
K01S35G	17.7	0.15	K118R	354.517	264.070	123.453	2.245	0.28491	2.21315	5 X
K01SK8J	18.0	0.15	K118R	349.636	352.884	7.247	8.731	0.17673	2.23539	4 X
K01SP5J	17.3	0.15	K118R	333.328	20.487	40.905	5.641	0.15540	2.21176	3 X
K01SW7S	16.4	0.15	K118R	3.641	318.693	77.691	3.154	0.17331	2.83914	6 X
K01SX8X	16.9	0.15	K118R	257.175	340.532	177.149	3.640	0.03121	2.81270	9 X
K01T54L	18.0	0.15	K118R	346.119	147.269	241.733	4.105	0.28233	2.21711	3 X
K01U01H	16.8	0.15	K118R	277.567	89.020	40.295	22.660	0.30231	2.24358	3 X
K01U05E	18.7	0.15	K118R	8.511	283.451	40.930	7.552	0.51440	2.21652	2 X
K01U71J	17.9	0.15	K118R	11.326	312.248	42.630	3.009	0.24354	2.22874	3 X
K01UA3M	17.2	0.15	K118R	251.786	81.785	52.958	6.093	0.03704	2.21451	5 X
K01UE6J	18.0	0.15	K118R	310.051	29.027	42.770	8.365	0.13412	2.24670	3 X
K01V80N	17.3	0.15	K118R	330.337	187.200	241.020	5.596	0.13507	2.21647	3 X
K01V82T	16.1	0.15	K118R	349.754	341.119	55.915	21.143	0.16345	2.93258	4 X
K01W77F	16.0	0.15	K118R	28.871	306.227	56.921	13.358	0.05180	2.93630	6 X
K01XK6U	16.3	0.15	K118R	348.836	311.260	106.946	7.518	0.22793	2.93350	5 X
K01XL9W	18.2	0.15	K118R	354.444	324.994	49.931	7.375	0.27640	2.23856	2 X
K01Y04E	20.6	0.15	K118R	349.220	318.620	305.745	4.827	0.54048	0.67681	2 X
K01YB5G	17.0	0.15	K118R	347.097	341.974	50.403	6.867	0.21854	2.26390	4 X
K02A52M	15.6	0.15	K118R	263.148	35.860	129.692	6.815	0.15311	3.03533	5 X
K02A55H	17.7	0.15	K118R	326.528	153.741	277.420	4.354	0.09244	2.27649	3 X
K02A69E	17.6	0.15	K118R	210.896	334.178	217.459	3.642	0.16672	2.33051	5 X
K02A78B	16.1	0.15	K118R	354.050	320.310	83.201	3.038	0.19370	3.00592	5 X

K02A85J	14.9	0.15	K118R	287.766	236.689	247.881	8.736	0.02351	3.02985	7 X
K02AA3E	17.0	0.15	K118R	1.414	294.650	92.106	5.485	0.14672	2.27044	5 X
K02C01M	16.9	0.15	K118R	322.072	84.185	308.236	45.015	0.46187	2.29932	4 X
K02C45N	17.2	0.15	K118R	356.056	260.299	140.072	3.268	0.16053	2.29669	6 X
K02CB5U	15.3	0.15	K118R	237.502	326.609	241.498	19.425	0.27751	3.07227	5 X
K02CF5R	15.3	0.15	K118R	322.603	166.592	328.978	12.084	0.13231	2.92043	6 X
K02CF7L	17.3	0.15	K118R	299.216	357.141	109.700	5.342	0.08058	2.29227	6 X
K02CG4A	17.3	0.15	K118R	322.195	315.746	126.953	4.488	0.18713	2.28231	4 X
K02CJ9A	18.2	0.15	K118R	213.605	203.689	350.318	2.637	0.14851	2.32236	3 X
K02CP0K	16.5	0.15	K118R	326.854	335.104	102.381	2.290	0.16251	3.10590	4 X
K02CP1N	15.7	0.15	K118R	254.465	77.508	97.724	8.601	0.16246	3.03692	5 X
K02CS4R	16.3	0.15	K118R	275.630	156.136	336.000	6.718	0.11893	3.15770	6 X
K02CU2N	16.2	0.15	K118R	282.734	267.850	225.990	7.157	0.19486	3.09375	4 X
K02CV1E	17.6	0.15	K118R	250.810	122.129	48.025	1.582	0.16761	2.30488	4 X
K02E57F	17.6	0.15	K118R	295.183	138.429	327.802	5.438	0.16511	2.30565	4 X
K02E64L	17.6	0.15	K118R	248.569	276.797	253.377	2.165	0.15999	2.31675	5 X
K02E75X	15.1	0.15	K118R	294.294	201.249	283.779	8.536	0.05234	3.13649	7 X
K02F12O	15.8	0.15	K118R	281.250	322.895	175.710	15.604	0.16348	3.15151	4 X
K02F35V	16.1	0.15	K118R	169.821	119.380	100.789	14.555	0.06612	2.39076	5 X
K02F41A	15.2	0.15	K118R	242.850	104.715	82.401	17.409	0.18165	3.15100	4 X
K02G06N	16.0	0.15	K118R	38.136	103.480	212.338	33.617	0.32473	2.55225	4 X
K02G27F	17.4	0.15	K118R	227.367	83.193	81.467	23.768	0.10138	1.90702	4 X
K02G51W	17.4	0.15	K118R	168.836	200.612	18.580	1.246	0.13449	2.41009	5 X
K02G66M	16.4	0.15	K118R	297.100	52.490	64.586	3.704	0.12821	2.33636	7 X
K02G76B	17.2	0.15	K118R	165.834	234.807	355.372	3.612	0.17443	2.41317	6 X
K02GI5S	17.8	0.15	K118R	301.630	314.212	173.140	2.856	0.13526	2.31592	6 X
K02J63T	17.3	0.15	K118R	126.859	31.489	234.058	20.295	0.08395	1.94901	4 X
K02J67U	16.1	0.15	K118R	264.639	304.474	236.507	23.134	0.36354	2.30713	5 X
K02JD7Q	17.7	0.15	K118R	5.201	326.185	48.017	21.590	0.08187	1.95255	4 X
K02JF1A	17.6	0.15	K118R	129.587	209.526	56.977	2.358	0.16376	2.45090	3 X
K02M05W	16.6	0.15	K118R	31.859	84.587	252.203	11.385	0.29525	2.62906	2 X
K02N01R	17.0	0.15	K118R	8.094	168.468	194.145	12.648	0.30516	2.65183	3 X
K02N22N	16.3	0.15	K118R	81.747	168.817	135.002	6.924	0.18061	2.56326	5 X
K02N72Y	16.8	0.15	K118R	11.088	172.746	209.409	4.319	0.17626	2.57148	4 X
K02P09Q	17.4	0.15	K118R	8.193	181.086	195.289	4.171	0.20843	2.61749	4 X
K02P93M	15.5	0.15	K118R	341.933	96.297	281.792	15.385	0.20704	2.71528	3 X
K02PC4R	16.9	0.15	K118R	8.927	177.707	203.304	1.677	0.22391	2.62603	5 X
K02PD4E	16.2	0.15	K118R	50.366	193.914	138.850	5.557	0.18822	2.59884	7 X
K02PF5X	17.5	0.15	K118R	23.716	303.408	30.425	2.539	0.20840	2.65348	4 X
K02PF5Z	17.5	0.15	K118R	58.442	352.558	329.897	2.587	0.17311	2.58821	4 X
K02PH1W	17.4	0.15	K118R	4.545	224.708	177.384	3.339	0.24194	2.59098	5 X
K02PJ8P	17.5	0.15	K118R	23.526	90.806	251.063	11.170	0.28350	2.65388	4 X
K02Q77P	16.9	0.15	K118R	352.674	291.694	114.497	4.744	0.23056	2.61660	4 X
K02Q93M	16.8	0.15	K118R	2.200	325.019	46.382	4.603	0.27262	2.66826	4 X
K02QA1M	17.0	0.15	K118R	20.212	271.158	100.011	4.056	0.20364	2.60821	5 X
K02QB6K	17.2	0.15	K118R	7.435	256.660	114.532	3.078	0.22031	2.64787	3 X
K02QC8Z	17.3	0.15	K118R	28.969	19.269	321.151	3.067	0.23759	2.62415	4 X
K02QD1J	15.9	0.15	K118R	35.576	287.443	71.300	4.079	0.22558	3.95093	3 X
K02QD9L	17.4	0.15	K118R	357.140	27.209	347.249	4.594	0.24696	2.63490	3 X
K02R01P	17.5	0.15	K118R	353.183	125.574	257.625	8.743	0.42101	2.69087	3 X
K02R66Q	16.4	0.15	K118R	18.895	134.233	223.759	12.961	0.12244	2.66245	5 X
K02R67J	16.4	0.15	K118R	6.284	166.932	215.239	9.771	0.23594	2.66536	2 X
K02RC0H	16.7	0.15	K118R	44.295	281.817	31.112	6.848	0.16869	2.65726	5 X
K02RE6C	16.2	0.15	K118R	350.306	120.573	282.119	3.870	0.09382	2.64823	4 X
K02RF1Y	16.7	0.15	K118R	32.488	138.375	241.573	6.422	0.12905	2.58574	3 X
K02RF7C	17.2	0.15	K118R	75.723	66.503	220.322	3.423	0.25606	2.63600	4 X
K02RK8W	16.6	0.15	K118R	24.526	160.984	191.440	1.795	0.22355	2.66458	5 X
K02RL5M	17.0	0.15	K118R	24.530	308.781	40.515	7.109	0.21043	2.65544	4 X
K02RN9H	17.1	0.15	K118R	358.031	188.016	211.071	3.384	0.16568	2.62429	4 X
K02RP3W	17.5	0.15	K118R	351.694	126.422	254.490	1.279	0.10224	2.66874	7 X
K02RP5K	16.5	0.15	K118R	320.793	287.319	159.184	5.037	0.05953	2.57695	7 X
K02S54P	17.0	0.15	K118R	32.893	85.732	249.415	4.944	0.22550	2.65771	4 X

K02S68M	17.2	0.15	K118R	70.207	111.794	201.629	2.471	0.06684	2.64847	6 X
K02T10Y	15.5	0.15	K118R	352.988	110.219	266.219	10.741	0.18550	2.70901	4 X
K02T31B	16.6	0.15	K118R	350.614	342.430	40.365	14.140	0.28649	2.72875	2 X
K02T37O	17.2	0.15	K118R	31.355	306.717	20.149	4.970	0.35851	2.68608	2 X
K02T54J	16.1	0.15	K118R	347.631	0.013	34.894	14.709	0.13485	2.72090	5 X
K02TC3L	16.7	0.15	K118R	15.396	155.312	226.841	11.655	0.12787	2.63509	3 X
K02TC3Y	16.3	0.15	K118R	338.513	200.206	228.880	13.717	0.08686	2.62698	5 X
K02TF5F	16.2	0.15	K118R	126.380	59.796	216.905	14.228	0.07986	2.56376	6 X
K02TF9P	16.0	0.15	K118R	354.146	319.108	92.844	11.668	0.13521	2.66350	7 X
K02TG9X	16.0	0.15	K118R	70.364	61.294	248.830	11.025	0.16613	2.64361	3 X
K02TH8O	16.0	0.15	K118R	60.874	94.001	236.611	12.869	0.10298	2.67552	3 X
K02TJ3E	16.6	0.15	K118R	61.496	78.444	242.306	12.587	0.19503	2.63264	4 X
K02TL4Y	17.0	0.15	K118R	338.534	250.954	173.345	12.967	0.26113	2.69739	3 X
K02TT6E	17.2	0.15	K118R	1.101	251.821	140.194	4.020	0.19989	2.67299	3 X
K02TV9O	17.3	0.15	K118R	329.510	226.602	209.052	2.663	0.07763	2.61845	6 X
K02U40U	15.6	0.15	K118R	353.770	310.970	99.493	10.686	0.26778	2.69715	5 X
K02U43N	16.8	0.15	K118R	69.269	281.645	47.788	2.463	0.08459	2.67249	9 X
K02U71S	17.1	0.15	K118R	352.964	163.210	231.927	8.029	0.18378	2.71794	4 X
K02U75A	16.6	0.15	K118R	2.768	331.366	55.043	5.826	0.06458	2.71787	5 X
K02VD6A	16.1	0.15	K118R	8.699	320.236	50.410	11.203	0.22170	2.74925	5 X
K02VE2Q	16.4	0.15	K118R	300.624	58.814	60.687	13.926	0.14673	2.69794	4 X
K02VE4U	17.1	0.15	K118R	2.196	338.854	47.969	13.060	0.19453	2.71301	2 X
K02X60F	15.7	0.15	K118R	3.616	323.746	80.361	14.258	0.08786	2.72635	6 X
K02Y08L	16.6	0.15	K118R	331.873	349.755	96.458	4.114	0.26937	2.73684	5 X
K03A00R	16.5	0.15	K118R	5.014	265.090	144.762	3.983	0.19535	2.73886	5 X
K03A60Y	15.9	0.15	K118R	315.695	247.162	229.579	6.227	0.27471	2.75696	5 X
K03A67P	17.1	0.15	K118R	319.991	359.952	92.430	8.222	0.27674	2.77446	4 X
K03A81X	16.1	0.15	K118R	339.117	45.860	61.171	14.751	0.21247	2.72236	4 X
K03A90S	15.7	0.15	K118R	1.569	144.716	348.948	12.490	0.11744	2.62628	5 X
K03B15F	16.5	0.15	K118R	337.858	347.484	89.059	7.727	0.34689	2.77778	4 X
K03E42P	15.9	0.15	K118R	21.355	316.217	54.653	10.618	0.03423	3.09155	6 X
K03G35D	15.7	0.15	K118R	251.216	100.921	66.830	10.949	0.05814	2.98970	5 X
K03G42K	16.3	0.15	K118R	327.766	37.318	141.222	14.142	0.20668	2.70156	5 X
K03H20R	17.3	0.15	K118R	162.031	18.630	208.881	4.918	0.17126	2.25101	2 X
K03J15S	16.4	0.15	K118R	213.217	324.367	224.210	4.647	0.07849	3.11313	3 X
K03O12N	16.0	0.15	K118R	23.136	86.934	287.882	20.207	0.30788	2.40297	4 X
K03Q37S	16.8	0.15	K118R	21.108	29.612	321.115	3.797	0.19597	2.45504	4 X
K03Q52S	16.7	0.15	K118R	6.761	258.520	121.117	4.315	0.24486	2.43735	5 X
K03Q59L	16.1	0.15	K118R	20.265	73.597	358.491	11.143	0.36811	2.37753	3 X
K03Q96N	18.3	0.15	K118R	24.964	78.276	278.407	1.483	0.21610	2.43433	3 X
K03S57G	16.7	0.15	K118R	355.292	15.445	24.451	2.736	0.19526	2.44661	5 X
K03S71N	16.6	0.15	K118R	353.087	155.355	253.718	5.994	0.09083	2.42530	3 X
K03S72N	18.8	0.15	K118R	345.326	182.206	218.037	2.135	0.22749	2.48513	3 X
K03S88C	17.9	0.15	K118R	9.820	302.403	68.086	1.795	0.26552	2.47371	3 X
K03S93Y	14.7	0.15	K118R	349.554	192.823	212.803	7.643	0.33486	3.98265	3 X
K03SB3X	17.1	0.15	K118R	82.491	111.079	216.169	5.276	0.14297	2.36167	4 X
K03SB4K	17.2	0.15	K118R	44.490	14.296	323.188	2.793	0.09608	2.43488	8 X
K03SB6B	16.7	0.15	K118R	57.400	111.711	225.995	5.643	0.12127	2.41967	5 X
K03SH3H	17.1	0.15	K118R	24.377	300.061	79.585	3.372	0.21663	2.42784	3 X
K03SM7R	14.8	0.15	K118R	6.626	359.455	8.464	9.935	0.27064	3.98873	3 X
K03SU1S	16.6	0.15	K118R	353.116	1.074	29.127	7.024	0.12445	2.46188	5 X
K03SU4V	18.3	0.15	K118R	34.705	78.659	256.129	2.684	0.29721	2.47002	3 X
K03SZ5G	17.5	0.15	K118R	80.311	220.959	72.437	4.383	0.15580	2.45497	5 X
K03Sg5A	18.1	0.15	K118R	255.395	175.882	344.699	0.675	0.12908	2.39307	6 X
K03T46F	18.2	0.15	K118R	28.891	13.869	336.197	5.112	0.12837	2.48418	3 X
K03U13G	17.4	0.15	K118R	333.420	194.614	214.307	20.863	0.10607	1.91913	3 X
K03U14L	17.1	0.15	K118R	14.119	298.259	70.727	8.867	0.24089	2.47868	4 X
K03U16R	16.2	0.15	K118R	340.681	349.116	46.852	5.621	0.14100	2.56655	4 X
K03U49N	15.6	0.15	K118R	261.467	208.130	269.194	14.179	0.10660	2.55049	5 X
K03U73J	16.6	0.15	K118R	68.105	260.354	53.918	1.988	0.05958	2.51568	6 X
K03U77D	17.8	0.15	K118R	356.825	160.774	239.179	9.880	0.19863	2.47983	3 X
K03U86G	16.0	0.15	K118R	353.025	137.562	249.770	8.092	0.09211	2.54471	5 X

K03U93F	16.7	0.15	K118R	297.165	228.356	230.743	5.590	0.06582	2.47039	5 X
K03U97D	15.3	0.15	K118R	6.386	350.257	28.378	9.504	0.30713	3.96750	3 X
K03UF1X	16.6	0.15	K118R	2.107	143.090	245.220	7.557	0.19875	2.48963	4 X
K03UK7W	16.3	0.15	K118R	38.676	291.620	30.367	9.335	0.11589	2.55255	4 X
K03UN4J	16.0	0.15	K118R	2.737	327.921	41.076	10.425	0.12124	2.55802	4 X
K03UO0V	16.9	0.15	K118R	83.590	55.854	252.237	5.548	0.13285	2.47247	3 X
K03UQ6E	15.2	0.15	K118R	354.211	348.122	52.583	3.550	0.28132	4.00342	5 X
K03UR2C	15.7	0.15	K118R	9.853	329.849	42.986	3.561	0.27276	3.99439	3 X
K03UR9O	16.5	0.15	K118R	320.595	2.470	91.889	5.178	0.24877	2.47201	5 X
K03UX3C	17.5	0.15	K118R	201.433	333.120	204.869	6.212	0.07336	2.46118	4 X
K03Uc8D	17.9	0.15	K118R	1.612	287.842	104.998	5.338	0.18389	2.47232	3 X
K03Uf2N	17.2	0.15	K118R	335.121	55.683	8.982	13.580	0.29748	2.55815	2 X
K03V04F	16.8	0.15	K118R	293.278	171.984	285.229	5.366	0.19636	2.56332	4 X
K03V04J	18.0	0.15	K118R	325.155	67.658	337.927	3.688	0.27374	2.56465	3 X
K03V07V	18.5	0.15	K118R	295.806	35.251	57.936	26.005	0.13989	1.93165	3 X
K03V10D	18.3	0.15	K118R	288.020	230.027	233.730	18.944	0.09952	1.92368	3 X
K03W00A	19.8	0.15	K118R	336.499	190.309	232.636	11.799	0.41944	2.51660	3 X
K03W07H	17.7	0.15	K118R	342.276	152.205	245.038	20.729	0.14157	1.92331	3 X
K03W15D	16.3	0.15	K118R	4.002	331.698	50.142	10.206	0.01498	2.52464	4 X
K03W46J	17.0	0.15	K118R	0.804	314.041	70.657	9.859	0.21826	2.51271	4 X
K03W55M	15.9	0.15	K118R	64.775	65.381	256.649	12.988	0.03293	2.54786	6 X
K03W55W	16.7	0.15	K118R	10.415	355.506	13.983	6.377	0.18091	2.53711	4 X
K03W55Z	17.0	0.15	K118R	337.854	358.168	32.953	6.067	0.25210	2.56672	4 X
K03W58U	15.3	0.15	K118R	12.979	316.069	57.868	3.855	0.28302	4.02475	3 X
K03W88E	18.6	0.15	K118R	1.843	326.371	49.331	22.033	0.09321	1.92789	2 X
K03WA0G	15.6	0.15	K118R	22.568	12.732	6.896	2.744	0.27680	3.97997	4 X
K03WA3J	17.0	0.15	K118R	303.199	235.695	231.738	3.163	0.26416	2.55037	4 X
K03WA4F	17.3	0.15	K118R	9.740	121.522	240.829	10.860	0.21343	2.55041	4 X
K03WB6B	17.0	0.15	K118R	292.473	162.330	324.764	3.881	0.26260	2.54673	3 X
K03WC3H	16.2	0.15	K118R	304.657	174.187	297.623	5.518	0.14608	2.52771	6 X
K03WD7D	16.7	0.15	K118R	325.914	34.588	50.374	2.671	0.19114	2.52822	6 X
K03WE0F	16.7	0.15	K118R	318.908	195.350	242.734	12.613	0.11954	2.54633	3 X
K03WF7U	16.8	0.15	K118R	341.430	302.716	91.424	23.611	0.13888	1.94157	4 X
K03WJ3K	18.0	0.15	K118R	21.495	9.508	359.276	7.351	0.13884	2.43773	5 X
K03X02M	16.6	0.15	K118R	346.339	221.645	183.870	2.902	0.23423	2.52717	6 X
K03X38O	16.4	0.15	K118R	329.378	11.428	51.986	8.388	0.19075	2.56212	5 X
K03Y10L	15.9	0.15	K118R	349.687	67.241	306.284	9.960	0.27070	2.57801	3 X
K03Y11C	17.1	0.15	K118R	319.717	29.778	62.534	10.377	0.27353	2.54908	4 X
K03Y12C	16.2	0.15	K118R	297.000	80.176	28.936	9.792	0.16205	2.58462	5 X
K03Y14G	16.9	0.15	K118R	351.595	331.011	70.669	16.251	0.30329	2.54562	3 X
K03Y17S	21.6	0.15	K118R	90.234	134.624	99.029	6.521	0.31329	0.93094	3 X
K03Y26B	16.6	0.15	K118R	282.975	47.305	95.964	24.390	0.09293	1.92450	5 X
K03Y33D	17.2	0.15	K118R	349.409	271.788	138.038	6.731	0.19180	2.52075	3 X
K03Y45Z	17.4	0.15	K118R	318.367	57.207	357.931	3.844	0.26076	2.59834	3 X
K03Y54T	16.9	0.15	K118R	331.931	349.981	73.728	1.873	0.13695	2.55972	4 X
K03Y91R	16.0	0.15	K118R	313.941	2.870	112.070	6.853	0.26615	2.59609	4 X
K03YB3E	17.2	0.15	K118R	284.933	79.230	46.062	5.469	0.29972	2.61252	3 X
K03YC8E	16.6	0.15	K118R	322.156	23.599	56.202	8.390	0.15694	2.59677	4 X
K03YD0N	15.7	0.15	K118R	14.293	18.810	5.795	3.760	0.17761	2.53903	7 X
K03YE6T	16.6	0.15	K118R	307.763	29.665	83.140	13.574	0.22811	2.59619	4 X
K03YF5D	16.3	0.15	K118R	304.165	55.999	49.691	12.410	0.26815	2.58969	3 X
K04A06J	16.9	0.15	K118R	352.358	305.110	103.051	5.933	0.18706	2.57557	4 X
K04A18Y	16.9	0.15	K118R	177.061	99.649	136.227	4.616	0.03882	2.60456	6 X
K04B03V	17.2	0.15	K118R	321.512	6.546	88.024	3.634	0.20425	2.57660	3 X
K04B22E	16.3	0.15	K118R	355.841	242.352	153.014	5.046	0.28122	2.56842	4 X
K04B24P	16.8	0.15	K118R	4.208	87.832	303.793	2.909	0.25791	2.57571	6 X
K04B65R	16.8	0.15	K118R	337.201	316.303	85.492	1.953	0.15540	2.65045	4 X
K04B84H	15.6	0.15	K118R	350.059	178.868	254.724	15.630	0.20234	2.55554	5 X
K04BA7T	16.2	0.15	K118R	259.255	184.226	333.448	13.563	0.18260	2.64458	5 X
K04C54Z	17.2	0.15	K118R	353.579	106.099	274.310	1.438	0.05632	2.78083	4 X
K04C65O	16.6	0.15	K118R	220.148	137.152	66.385	8.125	0.18061	2.67685	4 X
K04C88X	16.5	0.15	K118R	331.983	11.046	51.979	4.999	0.19010	2.62590	5 X

K04D28L	17.1	0.15	K118R	319.767	91.232	354.540	4.002	0.17879	2.64430	4 X
K04E24P	16.5	0.15	K118R	295.566	78.680	30.385	13.438	0.28053	2.64934	3 X
K04E37H	16.0	0.15	K118R	318.191	40.112	68.219	11.232	0.39031	2.61476	3 X
K04E82T	17.0	0.15	K118R	275.495	202.560	304.818	2.056	0.20055	2.67537	5 X
K04E84Y	16.3	0.15	K118R	308.402	340.585	127.165	5.248	0.16960	2.66382	5 X
K04FB4G	17.2	0.15	K118R	251.853	61.806	132.038	5.342	0.13086	2.65894	6 X
K04FD8V	16.5	0.15	K118R	233.060	294.190	240.980	1.287	0.01717	2.74133	6 X
K04N26J	18.1	0.15	K118R	78.498	39.000	259.230	2.809	0.21951	2.17608	4 X
K04P02L	18.5	0.15	K118R	7.897	279.647	74.538	6.546	0.35996	2.27009	3 X
K04P29S	17.3	0.15	K118R	3.602	334.141	34.559	3.840	0.20029	2.25095	4 X
K04P43O	17.9	0.15	K118R	36.459	56.385	286.444	3.964	0.09737	2.21023	6 X
K04P96Q	16.2	0.15	K118R	315.267	51.421	144.559	13.367	0.12207	2.73071	7 X
K04Q13V	15.6	0.15	K118R	16.007	86.332	293.046	23.465	0.30640	2.28503	4 X
K04Q24J	16.2	0.15	K118R	17.328	112.258	238.639	23.224	0.26732	2.28416	4 X
K04R16U	18.4	0.15	K118R	38.082	276.854	38.134	2.839	0.27849	2.25527	3 X
K04R57H	18.7	0.15	K118R	353.418	145.868	214.599	3.585	0.23264	2.29354	2 X
K04R62A	18.3	0.15	K118R	345.241	33.778	338.999	1.577	0.23290	2.29846	4 X
K04R74U	16.9	0.15	K118R	19.404	335.584	32.632	5.303	0.19637	2.24211	8 X
K04R74X	17.6	0.15	K118R	2.799	332.042	29.096	4.048	0.25557	2.28529	3 X
K04R98Z	17.7	0.15	K118R	11.268	144.173	193.563	3.865	0.17255	2.28741	4 X
K04RA4B	17.4	0.15	K118R	81.734	52.381	247.307	4.944	0.20808	2.20648	3 X
K04RB0T	15.7	0.15	K118R	355.726	119.514	314.874	22.130	0.30805	2.27135	4 X
K04RB2P	17.3	0.15	K118R	339.648	196.227	217.408	22.525	0.24899	2.26788	2 X
K04RI6Q	17.3	0.15	K118R	262.472	93.702	9.258	7.303	0.12173	2.29454	4 X
K04RN6C	17.6	0.15	K118R	34.053	118.603	226.694	1.834	0.18865	2.24961	3 X
K04RW1M	17.3	0.15	K118R	42.322	138.095	220.038	4.931	0.17718	2.21183	4 X
K04S29O	17.8	0.15	K118R	359.998	188.376	196.910	4.000	0.16239	2.25829	4 X
K04S44A	17.8	0.15	K118R	6.269	103.710	283.743	5.718	0.15543	2.23826	6 X
K04S58Z	17.6	0.15	K118R	16.881	290.458	55.700	7.152	0.26429	2.26873	2 X
K04T00N	19.1	0.15	K118R	242.888	159.913	17.185	14.046	0.43575	1.42846	4 X
K04T37S	17.9	0.15	K118R	206.077	158.579	26.134	1.105	0.07621	2.26926	7 X
K04T38Q	18.4	0.15	K118R	316.764	21.294	28.267	3.772	0.11328	2.32211	3 X
K04T49M	18.1	0.15	K118R	328.368	270.767	134.134	0.897	0.23887	2.32187	3 X
K04T52N	18.2	0.15	K118R	358.777	154.615	223.905	4.835	0.18051	2.30212	2 X
K04T61F	17.6	0.15	K118R	351.727	300.896	94.738	3.972	0.17021	2.26341	4 X
K04T65F	17.7	0.15	K118R	352.139	321.811	62.191	7.317	0.17907	2.28676	2 X
K04T72S	17.1	0.15	K118R	354.532	324.796	60.046	8.194	0.23175	2.28538	2 X
K04T91X	17.3	0.15	K118R	306.523	229.192	220.769	4.274	0.10809	2.27619	4 X
K04TA2T	17.8	0.15	K118R	340.911	177.375	223.260	4.139	0.19378	2.30236	4 X
K04TB9Z	17.4	0.15	K118R	328.529	196.283	234.802	6.179	0.22558	2.26898	4 X
K04TO0X	17.6	0.15	K118R	12.960	62.286	295.644	5.054	0.21439	2.28619	4 X
K04TR7K	17.9	0.15	K118R	337.231	6.373	44.391	7.892	0.10446	2.30396	4 X
K04TS0X	17.7	0.15	K118R	27.010	308.751	57.610	2.681	0.07807	2.27969	4 X
K04TT2W	17.5	0.15	K118R	321.078	106.186	324.554	2.279	0.18333	2.30383	4 X
K04TT8X	17.7	0.15	K118R	359.484	312.093	45.155	5.172	0.14208	2.32310	5 X
K04TX6H	18.3	0.15	K118R	341.038	9.724	41.776	5.583	0.15503	2.29741	3 X
K04Ta7B	18.1	0.15	K118R	27.280	103.431	231.688	5.336	0.24132	2.29056	2 X
K04U01N	18.5	0.15	K118R	338.127	175.848	223.207	5.305	0.24287	2.31586	2 X
K04U08M	17.6	0.15	K118R	359.727	104.379	280.489	2.294	0.25314	2.28953	5 X
K04V14C	17.4	0.15	K118R	332.470	11.715	46.432	7.061	0.20423	2.31366	2 X
K04V36E	17.6	0.15	K118R	46.188	68.198	243.657	2.066	0.23262	2.31304	3 X
K04V39U	18.0	0.15	K118R	252.682	74.946	75.813	3.226	0.13012	2.31392	5 X
K04V52E	17.8	0.15	K118R	16.949	306.204	39.923	2.998	0.25361	2.30948	5 X
K04V52P	17.4	0.15	K118R	1.072	131.628	212.420	5.775	0.18689	2.36912	3 X
K04V60G	17.4	0.15	K118R	313.760	184.462	263.766	5.870	0.14292	2.30999	4 X
K04V70S	17.5	0.15	K118R	6.486	140.548	235.161	4.849	0.17990	2.30501	7 X
K04V71Z	17.9	0.15	K118R	342.316	199.815	234.572	5.148	0.12809	2.26420	5 X
K04V76D	17.1	0.15	K118R	4.902	120.487	243.199	6.010	0.18817	2.29819	3 X
K04VA4C	18.0	0.15	K118R	252.834	102.459	42.476	4.758	0.11472	2.30262	6 X
K04VB9Z	18.0	0.15	K118R	37.171	91.084	218.083	1.586	0.24736	2.32337	3 X
K04X02W	17.2	0.15	K118R	308.225	22.213	65.077	3.337	0.17607	2.33618	4 X
K04X02Y	17.9	0.15	K118R	2.842	312.725	68.404	3.042	0.24105	2.30779	3 X

K04X05W	16.9	0.15	K118R	262.208	92.150	70.891	21.939	0.20595	2.31499	4 X
K04X15C	18.0	0.15	K118R	346.800	108.303	288.425	2.052	0.24953	2.32420	3 X
K04X49M	17.3	0.15	K118R	316.079	163.836	279.002	6.344	0.15801	2.33101	2 X
K04X75M	16.6	0.15	K118R	349.225	308.015	95.665	8.282	0.24223	2.34112	6 X
K04XD7F	17.7	0.15	K118R	298.025	67.172	15.125	4.230	0.18731	2.38528	3 X
K04XE5M	15.9	0.15	K118R	286.726	230.525	287.878	23.892	0.14226	2.32803	3 X
K04XE7E	15.7	0.15	K118R	354.565	337.105	115.599	24.617	0.24496	2.29894	6 X
K04XG7F	16.8	0.15	K118R	354.660	321.897	69.149	8.944	0.18137	2.29257	3 X
K05A12U	17.3	0.15	K118R	306.922	358.408	111.236	3.976	0.20730	2.34589	4 X
K05A20U	16.8	0.15	K118R	234.431	285.886	258.634	3.500	0.13110	2.38584	4 X
K05A51P	17.0	0.15	K118R	332.160	77.018	340.781	5.796	0.09772	2.41341	4 X
K05B04Z	16.7	0.15	K118R	303.487	14.995	75.974	6.017	0.07236	2.40178	5 X
K05B17M	17.9	0.15	K118R	282.376	280.354	211.821	0.858	0.13037	2.37652	5 X
K05B41Q	17.0	0.15	K118R	190.585	130.698	90.303	1.875	0.12907	2.41897	7 X
K05C38N	16.9	0.15	K118R	317.105	301.013	152.128	5.385	0.21715	2.39171	5 X
K05C41U	17.2	0.15	K118R	54.593	219.211	114.559	8.273	0.12575	2.46289	5 X
K05C62F	17.3	0.15	K118R	119.597	169.301	92.134	5.103	0.07818	2.52777	6 X
K05E78D	17.2	0.15	K118R	209.478	223.574	339.381	8.005	0.10901	2.47047	5 X
K05EC9U	17.7	0.15	K118R	275.943	346.706	159.677	5.275	0.17741	2.37847	5 X
K05EP7S	17.2	0.15	K118R	35.216	121.247	210.520	3.470	0.06298	2.65385	5 X
K05EP8B	16.0	0.15	K118R	13.899	37.024	345.866	3.608	0.18866	2.52992	6 X
K05EQ6H	17.3	0.15	K118R	129.425	252.048	7.655	3.539	0.16744	2.64444	5 X
K05ET0B	16.4	0.15	K118R	69.012	88.741	206.233	8.789	0.07715	2.69628	4 X
K05EV1B	17.2	0.15	K118R	84.007	299.809	358.731	3.182	0.12394	2.53571	4 X
K05F05A	17.5	0.15	K118R	215.556	180.439	11.519	3.778	0.11039	2.53151	4 X
K05G50N	17.0	0.15	K118R	176.719	185.807	44.285	5.028	0.19810	2.59537	3 X
K05G53D	16.5	0.15	K118R	155.125	202.862	37.469	13.388	0.12536	2.64648	3 X
K05G60L	16.8	0.15	K118R	151.424	189.497	43.952	14.451	0.19477	2.64607	5 X
K05G87W	16.4	0.15	K118R	328.942	215.590	212.594	31.136	0.14842	2.61832	3 X
K05GK0Y	17.7	0.15	K118R	243.643	151.547	16.437	1.927	0.11116	2.47390	6 X
K05GK9M	16.3	0.15	K118R	162.118	174.296	68.622	15.790	0.15277	2.57646	6 X
K05GL5F	16.3	0.15	K118R	170.567	174.538	66.265	8.157	0.11072	2.58562	3 X
K05J15X	16.6	0.15	K118R	66.166	114.150	192.920	1.314	0.14107	2.77704	4 X
K05J44J	16.4	0.15	K118R	136.794	206.892	54.233	10.261	0.11756	2.66567	5 X
K05JB7W	17.0	0.15	K118R	113.458	191.264	96.404	8.355	0.10263	2.68054	3 X
K05JC9V	16.8	0.15	K118R	90.467	237.279	59.758	12.357	0.06183	2.69121	4 X
K05JD7M	16.0	0.15	K118R	127.666	207.737	67.359	12.059	0.10783	2.64748	4 X
K05JG2V	16.8	0.15	K118R	200.458	340.786	214.823	3.221	0.13613	2.63873	4 X
K05JG3G	16.4	0.15	K118R	8.470	305.303	74.991	5.856	0.06882	2.71230	6 X
K05L09T	16.2	0.15	K118R	275.928	26.157	97.683	14.838	0.05418	2.67395	5 X
K05L13J	15.9	0.15	K118R	34.703	275.625	82.594	13.230	0.16097	2.74121	6 X
K05L52J	17.7	0.15	K118R	59.446	82.132	242.653	18.769	0.08784	1.92074	5 X
K05M23O	17.8	0.15	K118R	210.223	301.564	232.202	21.231	0.06737	1.89918	4 X
K05P28T	16.3	0.15	K118R	356.187	232.595	160.022	10.052	0.20929	3.11133	2 X
K05Q06K	16.1	0.15	K118R	7.123	214.891	178.329	7.957	0.14398	3.04746	6 X
K05Q61Q	16.4	0.15	K118R	339.418	152.948	266.601	5.323	0.16149	3.07608	5 X
K05Q77O	16.3	0.15	K118R	34.380	295.129	45.299	1.675	0.17794	3.10035	4 X
K05QB5R	17.0	0.15	K118R	39.482	88.885	272.636	0.619	0.09362	2.98304	5 X
K05QG4F	15.8	0.15	K118R	353.705	154.541	259.037	17.358	0.16473	3.12059	4 X
K05QG4O	16.6	0.15	K118R	38.995	279.840	80.672	2.827	0.17073	3.05580	4 X
K05QG7R	16.1	0.15	K118R	15.454	325.155	43.509	11.287	0.23268	3.14147	4 X
K05QJ0Q	16.0	0.15	K118R	50.843	71.947	260.207	9.816	0.22190	3.07092	3 X
K05R07W	15.8	0.15	K118R	22.369	164.156	196.656	4.610	0.30284	3.16127	6 X
K05R19Q	16.1	0.15	K118R	319.579	326.863	132.568	3.244	0.05810	2.98592	8 X
K05R26A	15.6	0.15	K118R	68.092	88.711	244.104	8.896	0.10810	3.01708	5 X
K05S12H	16.2	0.15	K118R	56.762	55.300	249.278	2.409	0.28095	3.14717	4 X
K05S40T	16.2	0.15	K118R	114.502	117.465	148.761	1.066	0.13985	3.13173	6 X
K05S59J	16.4	0.15	K118R	40.908	329.837	23.064	3.257	0.12185	3.15269	4 X
K05S62F	16.5	0.15	K118R	10.571	192.262	195.975	0.541	0.18991	3.16697	4 X
K05S76L	16.3	0.15	K118R	44.141	221.336	117.547	0.683	0.27240	3.10935	7 X
K05S89R	16.1	0.15	K118R	65.949	131.794	213.094	4.051	0.20032	3.04109	4 X
K05SB2C	16.0	0.15	K118R	349.912	177.260	225.787	10.177	0.10257	3.17327	5 X

K05SC6Z	16.9	0.15	K118R	347.551	248.092	158.970	0.292	0.16377	3.20120	4 X
K05SC7V	16.1	0.15	K118R	49.134	334.110	15.804	3.943	0.18459	3.08461	4 X
K05SC9W	16.4	0.15	K118R	69.459	266.024	58.751	1.088	0.17288	3.11754	4 X
K05SD1R	16.6	0.15	K118R	7.200	189.777	204.291	7.122	0.16965	3.17468	4 X
K05SG6Q	14.8	0.15	K118R	339.152	13.690	42.943	23.651	0.20050	3.21869	3 X
K05SJ9Y	15.7	0.15	K118R	40.888	78.249	248.359	15.245	0.23921	3.13105	3 X
K05SL1S	16.5	0.15	K118R	303.787	86.641	23.060	12.025	0.02871	3.12539	3 X
K05SL4B	14.9	0.15	K118R	36.258	112.930	229.256	21.297	0.12002	3.17653	5 X
K05SO3C	16.0	0.15	K118R	39.814	162.640	214.911	4.880	0.17176	3.08833	4 X
K05SR0V	16.0	0.15	K118R	34.479	224.432	133.889	8.733	0.17571	3.11542	4 X
K05ST2E	16.6	0.15	K118R	312.685	221.746	227.467	5.008	0.07761	3.19675	4 X
K05T04B	15.8	0.15	K118R	11.548	332.155	46.691	17.642	0.12568	3.17400	4 X
K05T06M	15.8	0.15	K118R	66.117	100.252	250.928	9.780	0.14532	3.01734	5 X
K05T07P	16.4	0.15	K118R	7.034	256.937	138.994	1.498	0.18407	3.17390	5 X
K05T16B	16.8	0.15	K118R	62.484	321.200	2.429	9.287	0.07366	3.14950	4 X
K05T29U	15.0	0.15	K118R	38.930	147.262	219.305	14.873	0.07768	3.08285	6 X
K05T30J	14.9	0.15	K118R	321.768	199.581	236.217	18.354	0.12850	3.20294	4 X
K05T36J	16.0	0.15	K118R	78.367	150.495	167.623	8.256	0.11585	3.01424	5 X
K05T41A	15.6	0.15	K118R	8.736	134.532	251.832	11.906	0.12898	3.12216	4 X
K05T61J	16.2	0.15	K118R	73.051	72.050	255.343	2.398	0.12137	3.06931	6 X
K05T74G	15.1	0.15	K118R	7.629	343.301	56.927	18.140	0.12185	3.17521	5 X
K05T79T	15.9	0.15	K118R	25.373	106.618	239.182	7.388	0.24741	3.18336	3 X
K05TC3R	16.8	0.15	K118R	315.781	78.107	18.349	4.288	0.15012	3.16905	3 X
K05TJ1V	16.2	0.15	K118R	334.685	203.116	220.150	8.625	0.02580	3.22332	2 X
K05TJ3L	15.5	0.15	K118R	3.141	320.671	67.225	14.682	0.21046	3.16632	4 X
K05U07U	15.6	0.15	K118R	325.604	57.628	36.860	5.584	0.12125	3.18051	5 X
K05U14H	16.0	0.15	K118R	350.336	20.215	46.285	5.092	0.18719	3.18424	4 X
K05U24W	16.1	0.15	K118R	313.280	241.886	224.447	9.170	0.05136	3.15602	4 X
K05U69Z	15.1	0.15	K118R	284.147	248.174	249.501	14.931	0.18331	3.17611	4 X
K05U75R	15.0	0.15	K118R	41.994	82.163	237.880	24.177	0.36932	3.19576	3 X
K05U83N	16.3	0.15	K118R	53.040	273.365	42.062	2.817	0.22309	3.26585	5 X
K05UD4O	16.1	0.15	K118R	66.507	29.908	281.353	4.445	0.25077	3.19571	4 X
K05UM4U	16.3	0.15	K118R	11.557	70.036	320.782	3.546	0.08699	3.20916	5 X
K05UR9H	15.6	0.15	K118R	328.265	43.556	50.057	9.776	0.03872	3.15783	3 X
K05UV0G	16.7	0.15	K118R	122.117	197.983	84.118	1.886	0.07833	3.04446	5 X
K05UV4U	15.5	0.15	K118R	19.000	303.867	72.994	11.720	0.10247	3.20696	7 X
K05UY5C	16.3	0.15	K118R	91.444	235.654	61.694	7.049	0.23590	3.15997	4 X
K05UZ0V	15.2	0.15	K118R	113.334	29.064	253.694	9.731	0.08671	3.14522	4 X
K05Ua4T	15.6	0.15	K118R	42.280	301.957	62.778	9.908	0.04362	3.21804	3 X
K05Ud6U	15.2	0.15	K118R	39.117	285.539	63.113	18.588	0.14787	3.20990	4 X
K05Uf5L	16.3	0.15	K118R	216.408	130.231	69.123	5.827	0.05169	3.18537	6 X
K05Ug3X	16.7	0.15	K118R	322.231	29.205	63.697	2.228	0.09609	3.21010	4 X
K05Uh2K	16.5	0.15	K118R	332.172	15.743	69.090	4.537	0.19732	3.29532	5 X
K05U11K	16.2	0.15	K118R	114.908	27.224	266.679	4.005	0.03384	3.21346	4 X
K05U16C	15.7	0.15	K118R	5.604	150.265	244.521	15.817	0.21346	3.12611	3 X
K05Um6W	15.4	0.15	K118R	338.925	205.489	229.939	10.813	0.06308	3.14757	5 X
K05Uq1R	15.4	0.15	K118R	134.371	219.617	49.161	10.390	0.04474	3.08743	7 X
K05V53B	14.8	0.15	K118R	348.216	189.372	264.976	16.032	0.13967	3.11763	4 X
K05V59A	15.1	0.15	K118R	355.607	170.175	239.229	20.425	0.11254	3.17362	3 X
K05VD3S	15.2	0.15	K118R	274.834	307.822	195.127	25.611	0.12167	3.25684	6 X
K05X01B	21.8	0.15	K118R	351.658	232.801	73.432	8.701	0.41868	1.13099	3 X
K05X11N	15.5	0.15	K118R	272.432	46.734	97.319	8.991	0.03306	3.34790	4 X
K05X40N	18.4	0.15	K118R	11.915	297.785	58.420	2.567	0.18149	2.14698	4 X
K05Y03W	14.9	0.15	K118R	332.776	66.367	116.023	22.504	0.53841	3.11528	3 X
K05Y55U	21.9	0.15	K118R	348.850	268.774	39.316	0.513	0.42895	1.14272	2 X
K05Y67P	17.5	0.15	K118R	163.343	190.080	45.764	1.889	0.06632	2.14867	6 X
K05YB1N	18.2	0.15	K118R	339.988	214.302	187.769	2.449	0.06805	2.15685	6 X
K06A63D	17.3	0.15	K118R	154.517	170.143	73.301	4.100	0.10356	2.16574	5 X
K06A81V	14.6	0.15	K118R	211.817	336.200	293.727	16.150	0.19671	3.14308	6 X
K06B01D	15.2	0.15	K118R	27.960	333.668	120.237	18.920	0.24008	3.10505	5 X
K06B68Y	17.8	0.15	K118R	147.177	175.226	61.559	3.702	0.12198	2.24909	7 X
K06BJ9O	18.2	0.15	K118R	327.740	109.520	313.488	3.260	0.08770	2.21243	4 X

K06BL6E	15.7	0.15	K118R	3.842	141.290	354.400	10.101	0.16058	3.07468	4 X
K06D14J	16.7	0.15	K118R	201.234	151.672	40.849	6.945	0.13353	2.27622	4 X
K06DA3S	17.9	0.15	K118R	324.652	26.117	51.721	1.035	0.06675	2.20657	5 X
K06DE4N	17.6	0.15	K118R	117.484	258.199	8.624	2.730	0.17561	2.32027	8 X
K06DJ5V	17.0	0.15	K118R	153.563	185.752	32.483	5.203	0.09790	2.30759	2 X
K06F39T	17.8	0.15	K118R	118.496	235.928	37.578	2.360	0.16569	2.33229	5 X
K06F40L	17.9	0.15	K118R	164.461	211.697	22.328	4.838	0.10076	2.28555	5 X
K06G15R	17.4	0.15	K118R	258.868	81.000	44.556	6.064	0.10503	2.30780	3 X
K06G29R	17.8	0.15	K118R	52.809	279.929	47.733	1.975	0.20389	2.44036	5 X
K06G42Q	17.4	0.15	K118R	175.931	329.237	228.954	0.977	0.13405	2.35035	5 X
K06G46B	17.0	0.15	K118R	163.549	184.414	50.595	10.764	0.16894	2.34790	4 X
K06G47V	17.7	0.15	K118R	259.148	111.790	30.594	6.771	0.09501	2.27293	4 X
K06G53X	17.6	0.15	K118R	272.637	74.416	64.372	4.080	0.09867	2.23508	5 X
K06H24E	17.2	0.15	K118R	96.549	215.954	74.654	4.510	0.18507	2.43412	6 X
K06H36P	17.3	0.15	K118R	181.492	346.575	218.420	1.185	0.16983	2.33379	8 X
K06H48O	17.4	0.15	K118R	106.911	161.537	113.971	2.289	0.16913	2.41475	6 X
K06H71N	17.3	0.15	K118R	319.062	345.697	101.551	6.082	0.13213	2.29725	6 X
K06J04Z	16.7	0.15	K118R	174.768	347.912	228.850	24.489	0.22273	2.29333	2 X
K06J13N	16.9	0.15	K118R	103.993	219.238	68.312	14.072	0.15552	2.42146	4 X
K06J49E	17.2	0.15	K118R	46.780	228.123	108.673	5.112	0.24193	2.44462	6 X
K06K10X	16.6	0.15	K118R	356.698	325.400	68.887	7.121	0.10031	2.41387	5 X
K06K40L	16.4	0.15	K118R	32.353	238.814	82.123	18.355	0.30911	2.66279	6 X
K06K42W	17.5	0.15	K118R	199.683	148.779	63.082	2.997	0.11777	2.32545	6 X
K06K65D	16.5	0.15	K118R	48.788	225.010	103.358	14.370	0.25789	2.64980	4 X
K06L04F	16.0	0.15	K118R	63.002	191.409	121.642	7.956	0.27284	2.56491	5 X
K06O10K	16.8	0.15	K118R	29.259	72.110	264.444	7.857	0.27267	2.74397	3 X
K06P24G	16.1	0.15	K118R	19.658	239.195	127.877	15.114	0.14686	2.67336	5 X
K06P32S	15.6	0.15	K118R	67.137	260.596	51.387	14.572	0.10529	2.69456	3 X
K06Q25W	16.9	0.15	K118R	57.061	66.669	249.382	10.975	0.23829	2.68410	4 X
K06Q41Q	16.4	0.15	K118R	30.461	136.933	209.243	6.384	0.31041	2.74493	4 X
K06Q52M	16.3	0.15	K118R	46.311	222.879	112.009	4.315	0.09891	2.69632	7 X
K06Q61J	16.3	0.15	K118R	34.440	70.221	266.387	11.956	0.22674	2.72636	5 X
K06Q66R	16.4	0.15	K118R	349.601	235.827	164.927	13.678	0.20898	2.76917	2 X
K06QB3E	16.3	0.15	K118R	53.543	19.076	298.186	6.336	0.18001	2.74965	4 X
K06QB5C	16.6	0.15	K118R	51.317	86.816	224.830	9.524	0.25679	2.74443	3 X
K06QC9X	17.3	0.15	K118R	34.699	100.540	221.769	7.319	0.30434	2.78044	4 X
K06QE1K	16.6	0.15	K118R	19.188	157.620	204.218	7.912	0.30415	2.76533	3 X
K06QE7Q	16.1	0.15	K118R	334.792	258.847	164.139	13.007	0.13732	2.76799	4 X
K06QG7T	16.6	0.15	K118R	4.769	326.376	61.591	2.738	0.23980	2.75560	3 X
K06QI4A	17.5	0.15	K118R	8.563	8.701	16.149	6.408	0.04929	2.74083	3 X
K06R00O	16.8	0.15	K118R	2.068	153.483	236.612	7.776	0.30159	2.77044	3 X
K06R05J	15.9	0.15	K118R	9.247	160.729	216.762	12.405	0.14788	2.75352	5 X
K06R11J	16.7	0.15	K118R	55.961	20.700	301.757	4.101	0.15970	2.74286	5 X
K06R20F	16.2	0.15	K118R	351.796	177.486	215.969	12.925	0.20675	2.79330	3 X
K06R35G	17.2	0.15	K118R	12.426	118.817	252.805	7.695	0.23152	2.80169	2 X
K06R77P	16.4	0.15	K118R	30.969	203.142	170.081	6.134	0.04989	2.71082	5 X
K06R92J	16.8	0.15	K118R	17.333	13.742	358.001	3.920	0.11876	2.80777	3 X
K06RA2G	15.9	0.15	K118R	30.116	121.010	235.622	12.400	0.21123	2.75114	4 X
K06S04V	16.7	0.15	K118R	39.647	151.309	197.996	8.561	0.16023	2.75460	5 X
K06S13Y	17.5	0.15	K118R	13.578	203.307	188.634	2.926	0.09653	2.71964	6 X
K06S17R	16.4	0.15	K118R	358.710	197.357	207.572	7.719	0.18640	2.78320	4 X
K06S51E	16.4	0.15	K118R	349.657	174.166	231.830	6.348	0.20741	2.80175	3 X
K06S61M	16.0	0.15	K118R	11.472	135.152	251.197	7.892	0.17358	2.77310	7 X
K06S68A	16.9	0.15	K118R	353.651	12.653	27.805	5.360	0.16388	2.79890	4 X
K06SD9W	16.9	0.15	K118R	13.040	148.294	225.175	11.023	0.11652	2.75428	3 X
K06SG0Y	16.7	0.15	K118R	264.024	343.186	164.816	4.847	0.03416	2.75493	7 X
K06SG5E	17.3	0.15	K118R	19.382	127.026	257.607	4.152	0.07023	2.70332	4 X
K06SH2N	16.8	0.15	K118R	32.650	14.149	341.333	3.473	0.11143	2.76209	4 X
K06SH5X	17.9	0.15	K118R	29.111	21.032	336.282	3.176	0.13287	2.78708	3 X
K06SI3L	17.6	0.15	K118R	359.779	13.409	31.410	0.513	0.07001	2.75845	5 X
K06SI4U	17.0	0.15	K118R	323.484	236.466	193.017	1.531	0.05771	2.85003	5 X
K06SK9D	16.8	0.15	K118R	1.208	335.885	45.422	4.039	0.20233	2.83904	3 X

K06SL1A	16.9	0.15	K118R	14.976	14.432	357.409	5.241	0.07340	2.77721	6 X
K06SM2V	17.0	0.15	K118R	21.834	186.189	178.484	2.385	0.09093	2.76572	4 X
K06SN2Q	17.4	0.15	K118R	76.735	357.582	316.768	3.574	0.05605	2.75004	7 X
K06SN3Z	17.1	0.15	K118R	70.293	17.329	294.700	3.688	0.11709	2.75926	4 X
K06SN8R	17.1	0.15	K118R	28.524	302.079	38.961	2.493	0.07417	2.86890	3 X
K06SO5W	17.2	0.15	K118R	81.758	270.420	40.137	0.553	0.16755	2.67606	5 X
K06SQ2R	17.7	0.15	K118R	49.139	151.417	194.682	3.818	0.13654	2.81082	3 X
K06SQ9W	16.7	0.15	K118R	230.233	296.644	212.288	9.894	0.01094	3.02306	4 X
K06SR3Z	16.8	0.15	K118R	7.275	326.837	68.040	2.823	0.12295	2.89476	5 X
K06ST0M	17.5	0.15	K118R	340.213	77.452	334.222	0.624	0.11853	2.87261	4 X
K06SU2H	17.4	0.15	K118R	28.331	87.890	272.968	3.515	0.14019	2.75869	3 X
K06SU9K	17.3	0.15	K118R	353.861	168.697	211.258	10.710	0.10448	2.90933	3 X
K06SV1A	16.9	0.15	K118R	102.212	328.366	322.372	3.428	0.03088	2.77872	5 X
K06SW5N	17.3	0.15	K118R	275.246	345.603	147.417	1.118	0.01230	2.76252	4 X
K06SX6G	17.0	0.15	K118R	14.604	317.200	70.460	4.893	0.08369	2.76338	5 X
K06SY8H	17.4	0.15	K118R	25.305	341.235	17.041	2.001	0.08267	2.86971	4 X
K06Sb4B	16.9	0.15	K118R	51.675	309.238	51.220	6.922	0.03584	2.69085	6 X
K06Sd0W	16.9	0.15	K118R	0.337	145.684	259.157	1.820	0.10390	2.74959	5 X
K06Sd6S	17.1	0.15	K118R	349.223	149.490	267.713	3.229	0.00132	2.70240	4 X
K06Sf2D	17.2	0.15	K118R	328.396	199.314	216.437	9.232	0.17247	2.99449	2 X
K06T16K	16.6	0.15	K118R	55.637	326.350	31.902	6.092	0.03358	2.72753	5 X
K06T24K	16.9	0.15	K118R	346.136	173.090	217.935	10.213	0.14202	2.93703	3 X
K06T41L	17.3	0.15	K118R	313.602	45.874	30.348	3.618	0.17931	2.97988	3 X
K06T42A	16.7	0.15	K118R	72.746	84.521	224.271	7.994	0.12542	2.90652	5 X
K06T46F	17.0	0.15	K118R	348.268	309.204	94.508	1.742	0.10041	2.93382	4 X
K06T69D	16.2	0.15	K118R	320.466	36.621	50.779	14.804	0.15158	2.79302	5 X
K06TA6G	18.9	0.15	K118R	34.986	286.914	26.573	22.530	0.06641	1.87051	2 X
K06TC8Y	16.8	0.15	K118R	349.436	3.918	44.011	12.017	0.09774	2.86566	5 X
K06U30S	17.1	0.15	K118R	70.476	93.853	218.249	0.616	0.10650	2.86505	6 X
K06U37X	17.0	0.15	K118R	4.653	68.864	303.826	0.849	0.13918	2.96270	3 X
K06U38H	17.1	0.15	K118R	38.333	180.481	161.345	0.428	0.12770	2.91072	4 X
K06U39J	16.6	0.15	K118R	11.853	326.773	28.788	2.210	0.15731	2.97072	4 X
K06U46Q	17.0	0.15	K118R	79.031	236.700	84.387	3.203	0.06227	2.87112	5 X
K06U52T	17.0	0.15	K118R	9.849	177.768	227.922	2.667	0.19567	2.73450	5 X
K06U62H	16.1	0.15	K118R	321.814	22.440	50.577	12.123	0.08558	2.98133	3 X
K06U77F	16.3	0.15	K118R	43.078	279.665	19.138	14.921	0.18327	3.03823	3 X
K06U85C	16.5	0.15	K118R	33.995	94.651	245.669	2.133	0.19102	2.96577	4 X
K06U87P	16.8	0.15	K118R	5.507	319.316	45.798	5.852	0.15474	3.03112	2 X
K06U96Z	17.1	0.15	K118R	93.439	211.068	85.769	3.223	0.03614	2.87035	6 X
K06UB1C	17.0	0.15	K118R	332.858	147.302	283.355	3.134	0.19276	2.77791	4 X
K06UB2S	17.3	0.15	K118R	115.006	273.906	8.031	3.611	0.06898	2.77380	5 X
K06UB9P	16.9	0.15	K118R	13.723	179.024	179.667	1.927	0.09342	2.94132	4 X
K06UB9U	17.1	0.15	K118R	47.453	277.161	59.267	2.953	0.07446	2.87242	7 X
K06UC0O	17.2	0.15	K118R	74.738	250.198	62.997	4.369	0.17512	2.78707	3 X
K06UD0J	18.3	0.15	K118R	347.315	126.505	252.772	0.904	0.29256	2.97944	2 X
K06UF4P	16.4	0.15	K118R	32.426	83.988	280.074	5.033	0.02697	2.75452	4 X
K06UG0H	16.1	0.15	K118R	340.221	330.975	84.264	3.261	0.04797	2.84254	6 X
K06UH2C	15.1	0.15	K118R	309.545	222.000	231.851	18.802	0.10785	2.99061	3 X
K06UH7J	16.4	0.15	K118R	4.605	344.131	60.560	10.134	0.14397	2.77364	5 X
K06UJ7R	16.8	0.15	K118R	52.097	303.032	52.307	3.147	0.02634	2.84276	7 X
K06UK1G	17.5	0.15	K118R	1.925	119.970	233.618	2.127	0.22746	3.06199	3 X
K06UL7Q	16.6	0.15	K118R	1.513	240.186	84.826	22.217	0.58550	3.00195	3 X
K06UM9K	16.1	0.15	K118R	334.479	196.597	208.170	6.315	0.33094	3.03444	3 X
K06UP4B	17.2	0.15	K118R	61.948	118.202	209.261	0.743	0.05189	2.90508	5 X
K06UP6G	15.2	0.15	K118R	288.527	14.222	123.021	16.109	0.20175	3.21659	6 X
K06UR2F	16.2	0.15	K118R	26.169	128.493	231.808	8.965	0.11634	2.97206	3 X
K06UR5O	17.1	0.15	K118R	332.518	218.763	215.908	5.546	0.07569	2.79817	3 X
K06US2S	16.4	0.15	K118R	319.309	97.712	350.679	1.948	0.08600	2.85568	6 X
K06US6M	16.9	0.15	K118R	21.673	119.148	215.861	4.816	0.25084	2.97532	4 X
K06UW4R	16.5	0.15	K118R	70.848	201.918	116.061	2.335	0.05873	2.96501	6 X
K06V01K	17.4	0.15	K118R	327.731	229.767	236.972	6.617	0.18415	2.80000	4 X
K06V07M	16.0	0.15	K118R	70.508	248.761	62.304	2.065	0.13075	2.96682	7 X

K06V16U	17.0	0.15	K118R	326.416	16.415	41.107	3.722	0.13640	3.01714	3 X
K06V25W	16.2	0.15	K118R	193.896	330.448	246.175	8.457	0.02978	2.88624	4 X
K06V34A	16.6	0.15	K118R	19.527	334.317	33.039	2.439	0.11620	2.93195	6 X
K06V50A	17.2	0.15	K118R	347.271	357.112	21.337	1.829	0.27591	3.07178	3 X
K06V56D	16.3	0.15	K118R	50.319	91.700	230.293	10.695	0.16373	3.00144	5 X
K06V60Q	16.7	0.15	K118R	41.618	280.612	47.840	4.109	0.20572	2.99358	4 X
K06V64O	16.8	0.15	K118R	345.334	204.010	188.513	1.118	0.16916	3.05773	2 X
K06V65F	16.6	0.15	K118R	306.787	47.575	64.492	14.440	0.10783	2.91601	4 X
K06V66D	16.5	0.15	K118R	297.283	40.541	75.350	3.121	0.01224	2.89800	3 X
K06V72D	17.2	0.15	K118R	320.742	209.748	234.173	1.193	0.19955	2.98002	4 X
K06V74F	16.0	0.15	K118R	31.364	211.753	145.191	2.137	0.23157	2.93963	6 X
K06VD0O	16.8	0.15	K118R	16.356	148.912	204.957	1.321	0.10405	3.06533	4 X
K06VD9L	16.8	0.15	K118R	335.152	141.263	262.433	0.842	0.11421	3.09534	5 X
K06VH2C	17.1	0.15	K118R	336.161	272.709	148.859	1.033	0.14873	3.02288	2 X
K06W07A	17.6	0.15	K118R	330.764	6.788	77.299	10.759	0.21818	2.91057	3 X
K06W42W	15.9	0.15	K118R	288.854	250.274	225.011	15.156	0.09972	3.00877	6 X
K06W47C	17.2	0.15	K118R	7.529	116.666	254.530	12.607	0.28886	2.96531	2 X
K06W51L	16.2	0.15	K118R	146.351	359.750	252.918	9.200	0.05791	2.99845	2 X
K06W52A	16.0	0.15	K118R	324.887	17.936	56.535	8.382	0.06826	2.99798	2 X
K06W56P	15.5	0.15	K118R	216.069	116.521	66.084	9.747	0.02316	3.10030	5 X
K06W83G	15.8	0.15	K118R	313.920	36.498	48.682	10.667	0.07726	2.97058	2 X
K06W85G	16.2	0.15	K118R	338.026	258.809	160.298	2.152	0.08987	3.02272	4 X
K06WF2X	16.4	0.15	K118R	3.503	302.190	89.286	15.860	0.20670	2.92907	2 W
K06WG3E	16.8	0.15	K118R	4.515	153.867	226.010	10.214	0.14695	2.98404	2 X
K06WH4N	15.3	0.15	K118R	14.360	113.691	246.611	13.015	0.08350	3.12942	3 X
K06WI5K	17.4	0.15	K118R	270.825	231.667	245.787	19.154	0.08111	1.86950	5 X
K06WI7S	15.5	0.15	K118R	325.323	194.753	233.972	21.867	0.11668	3.02087	2 X
K06X03Q	16.2	0.15	K118R	37.198	278.332	83.987	9.459	0.32802	2.74301	3 W
K06X07C	16.7	0.15	K118R	318.574	164.238	299.052	2.514	0.20535	2.97566	4 X
K06X07F	16.7	0.15	K118R	334.319	16.847	60.817	4.476	0.18036	2.98402	4 X
K06X09W	17.0	0.15	K118R	309.820	75.016	23.275	1.176	0.19346	3.08898	4 X
K06X19C	15.9	0.15	K118R	329.001	348.396	94.966	12.096	0.10113	3.05527	6 X
K06X24M	15.9	0.15	K118R	24.784	191.147	176.077	3.529	0.23344	2.96936	5 X
K06X27L	16.7	0.15	K118R	308.402	40.084	59.055	3.248	0.29120	3.07274	3 X
K06X31Y	17.4	0.15	K118R	350.019	301.655	81.416	24.077	0.12363	1.90152	2 X
K06X36N	16.7	0.15	K118R	320.041	7.151	78.800	2.400	0.15247	3.10810	5 X
K06X42J	15.1	0.15	K118R	270.892	82.009	68.090	18.055	0.12331	3.11429	4 X
K06X52V	16.0	0.15	K118R	325.237	349.835	95.026	11.776	0.19894	3.05854	2 W
K06X59E	15.5	0.15	K118R	320.945	1.934	91.994	9.911	0.02946	3.06199	5 X
K06Y15W	15.5	0.15	K118R	311.403	188.454	321.298	13.387	0.15014	2.85135	5 X
K06Y19W	16.5	0.15	K118R	318.628	156.553	296.130	14.674	0.19571	3.12229	2 X
K06Y26N	16.4	0.15	K118R	318.367	22.750	57.791	3.345	0.11408	3.17138	3 X
K06Y51W	17.2	0.15	K118R	357.827	358.618	41.555	1.920	0.28325	3.07535	4 X
K07A04F	15.9	0.15	K118R	343.111	309.058	90.008	0.016	0.19252	3.10314	5 X
K07A04R	16.5	0.15	K118R	344.381	304.775	107.957	2.356	0.17167	3.11148	4 X
K07A20W	15.5	0.15	K118R	291.024	355.948	137.677	6.435	0.10836	3.19706	5 X
K07B73C	15.7	0.15	K118R	311.446	59.357	79.687	27.445	0.35401	3.10731	4 X
K07BA2F	15.8	0.15	K118R	299.032	236.780	248.357	13.404	0.18238	3.17993	3 X
K07L12S	16.6	0.15	K118R	208.263	118.766	95.880	24.829	0.07034	1.98042	6 X
K07M09V	17.0	0.15	K118R	1.782	178.048	187.692	3.404	0.32029	2.39396	4 X
K07N06F	17.1	0.15	K118R	65.130	227.807	57.300	11.197	0.27787	2.32504	4 X
K07O05Q	17.4	0.15	K118R	34.749	230.650	104.766	7.623	0.26765	2.35927	3 X
K07P21X	17.1	0.15	K118R	20.784	237.959	123.743	6.012	0.20991	2.36160	4 X
K07P33D	17.4	0.15	K118R	54.949	105.059	200.688	2.306	0.23920	2.36983	5 X
K07P39E	17.2	0.15	K118R	34.249	263.638	46.941	1.886	0.28122	2.43985	3 X
K07P44F	17.0	0.15	K118R	20.657	267.059	90.753	5.723	0.25192	2.34588	6 X
K07P45T	17.6	0.15	K118R	52.982	149.084	150.620	1.672	0.18649	2.39785	6 X
K07P46V	17.8	0.15	K118R	46.078	264.976	40.356	2.143	0.20297	2.47214	3 X
K07Q01M	17.4	0.15	K118R	8.864	206.353	170.828	2.367	0.22336	2.38562	5 X
K07Q05N	17.2	0.15	K118R	12.701	203.822	163.209	5.420	0.24516	2.39651	4 X
K07Q09V	17.1	0.15	K118R	0.995	47.646	345.728	1.991	0.23166	2.37946	4 X
K07R02Z	17.5	0.15	K118R	14.307	102.442	252.548	0.613	0.20462	2.39010	2 X

K07R08H	17.4	0.15	K118R	25.702	108.038	207.002	9.293	0.24137	2.47018	3 X
K07R19A	17.7	0.15	K118R	32.480	320.594	22.873	2.492	0.19650	2.40120	3 X
K07R28M	17.6	0.15	K118R	38.470	285.168	53.499	3.115	0.22567	2.35437	4 X
K07R32G	17.0	0.15	K118R	12.988	265.738	88.781	5.299	0.22878	2.42721	6 X
K07R38F	17.1	0.15	K118R	349.940	337.947	60.756	3.785	0.18514	2.42150	4 X
K07R58C	17.2	0.15	K118R	14.878	227.460	145.757	3.249	0.20314	2.41617	7 X
K07R83E	17.6	0.15	K118R	339.940	49.194	6.804	3.010	0.16491	2.37193	5 X
K07R87K	17.8	0.15	K118R	339.121	249.224	169.934	2.457	0.19901	2.40397	2 X
K07R87R	18.0	0.15	K118R	32.104	350.325	347.349	0.386	0.16986	2.41919	4 X
K07R93Z	17.2	0.15	K118R	351.033	261.027	143.230	2.723	0.20490	2.42583	5 X
K07RA2V	18.2	0.15	K118R	328.155	302.923	129.786	1.002	0.19235	2.35825	4 X
K07RA2Y	17.0	0.15	K118R	346.350	253.996	152.498	2.786	0.18535	2.41679	4 X
K07RB8B	18.4	0.15	K118R	323.332	199.441	234.358	1.826	0.18640	2.42907	3 X
K07RC9X	17.7	0.15	K118R	13.721	240.725	128.193	1.158	0.21145	2.42384	5 X
K07RD4F	16.5	0.15	K118R	65.256	244.309	53.430	6.263	0.23064	2.38859	4 X
K07RE3P	17.6	0.15	K118R	23.262	102.246	241.623	1.394	0.19900	2.41984	4 X
K07RE4Q	18.4	0.15	K118R	20.926	22.949	323.389	3.766	0.24362	2.42456	3 X
K07RF8E	17.4	0.15	K118R	17.104	233.787	127.350	3.054	0.23109	2.40081	6 X
K07RG2C	17.7	0.15	K118R	17.174	148.926	207.443	1.455	0.19871	2.40977	4 X
K07RG6F	17.6	0.15	K118R	318.354	46.758	12.486	2.367	0.23054	2.47994	4 X
K07RG8H	17.9	0.15	K118R	357.091	348.878	34.077	2.764	0.20020	2.42381	2 X
K07RH1A	18.0	0.15	K118R	321.950	51.513	27.825	3.954	0.17945	2.37014	3 X
K07RH1K	19.0	0.15	K118R	21.107	290.401	69.109	2.174	0.21143	2.38591	2 X
K07RK7M	17.6	0.15	K118R	23.518	232.849	129.344	3.147	0.18537	2.39599	3 X
K07RK8X	17.9	0.15	K118R	333.152	13.300	47.254	3.563	0.16488	2.42094	4 X
K07RL1T	17.9	0.15	K118R	299.253	261.460	231.706	3.910	0.18289	2.28260	6 X
K07RM8C	17.0	0.15	K118R	334.441	195.806	199.249	3.361	0.19367	2.64001	4 X
K07RM8X	17.1	0.15	K118R	359.670	285.308	98.767	2.274	0.19183	2.38320	6 X
K07RO0J	17.2	0.15	K118R	31.944	32.133	319.484	0.466	0.19474	2.40967	5 X
K07RO0S	17.6	0.15	K118R	54.298	121.876	227.515	5.895	0.14204	2.27446	7 X
K07RO0U	17.5	0.15	K118R	18.150	126.825	230.651	5.551	0.16379	2.39682	3 X
K07RP3H	17.7	0.15	K118R	353.542	237.010	155.359	1.303	0.17322	2.51790	5 X
K07RS4H	17.2	0.15	K118R	44.590	186.528	145.837	0.384	0.08809	2.53297	7 X
K07RS5M	19.0	0.15	K118R	22.261	153.310	192.786	1.184	0.21224	2.44848	3 X
K07RS7A	17.3	0.15	K118R	19.803	282.494	72.224	5.083	0.16325	2.42564	6 X
K07RS7X	18.4	0.15	K118R	357.004	225.899	156.525	3.611	0.21422	2.46558	4 X
K07RT0Y	17.1	0.15	K118R	327.465	221.165	205.477	0.830	0.10962	2.55108	4 X
K07RT4B	16.8	0.15	K118R	267.984	303.304	201.375	5.952	0.06352	2.32609	6 X
K07RT9C	17.0	0.15	K118R	320.646	286.168	164.062	6.681	0.13487	2.36627	5 X
K07RU1K	18.7	0.15	K118R	27.725	287.765	52.640	2.924	0.20280	2.44289	2 X
K07RU9U	16.4	0.15	K118R	54.253	277.334	54.528	12.524	0.07876	2.56362	3 X
K07RV1D	17.0	0.15	K118R	349.763	306.375	95.447	7.397	0.18948	2.37356	4 X
K07RV1F	16.8	0.15	K118R	45.993	264.683	67.589	13.606	0.22232	2.34099	4 X
K07RV6N	17.3	0.15	K118R	63.025	243.219	58.170	3.100	0.21041	2.39376	5 X
K07RV9G	19.5	0.15	K118R	343.694	185.241	217.259	2.600	0.30051	2.46742	2 X
K07RW1D	17.4	0.15	K118R	339.908	98.704	307.486	1.818	0.18191	2.43784	5 X
K07RW3P	16.6	0.15	K118R	143.162	197.433	45.480	11.132	0.05998	2.53937	4 X
K07RW5J	16.9	0.15	K118R	273.054	282.045	216.568	3.635	0.18199	2.57620	3 X
K07S04D	15.7	0.15	K118R	358.781	158.366	222.890	17.160	0.21603	2.57089	3 X
K07S06P	18.1	0.15	K118R	338.969	330.439	68.759	13.959	0.54726	2.56046	3 X
K07S09B	17.6	0.15	K118R	311.389	4.467	84.168	2.664	0.14180	2.44061	4 X
K07S10K	17.5	0.15	K118R	105.150	52.871	217.059	5.631	0.17869	2.36001	3 X
K07S14M	15.6	0.15	K118R	327.870	155.557	255.414	11.050	0.19100	2.60969	3 X
K07T02J	17.6	0.15	K118R	295.506	64.385	56.197	3.264	0.14241	2.42974	6 X
K07T05O	17.4	0.15	K118R	41.805	151.736	190.846	2.309	0.18339	2.37739	5 X
K07T10V	17.3	0.15	K118R	351.527	346.855	21.359	17.616	0.16167	2.55536	3 X
K07T26Z	17.4	0.15	K118R	33.051	326.092	19.626	6.170	0.12835	2.44592	5 X
K07T35U	16.6	0.15	K118R	330.090	14.024	34.836	14.981	0.13594	2.57916	3 X
K07T40X	17.0	0.15	K118R	53.772	261.663	41.886	9.259	0.16397	2.57570	3 X
K07T49N	17.0	0.15	K118R	111.066	7.560	277.563	1.287	0.11639	2.37155	4 X
K07T50Y	17.6	0.15	K118R	72.197	295.988	6.178	2.618	0.20355	2.41715	3 X
K07T52X	17.4	0.15	K118R	339.886	194.291	190.082	1.119	0.17425	2.58349	3 X

K07T60D	17.1	0.15	K118R	339.247	16.898	10.992	3.931	0.25085	2.57583	5 X
K07T69J	18.1	0.15	K118R	42.265	136.337	202.218	0.499	0.19419	2.45735	5 X
K07T75O	17.5	0.15	K118R	48.033	265.654	67.219	3.302	0.20525	2.39124	4 X
K07T95S	17.5	0.15	K118R	296.752	256.574	237.554	4.518	0.11658	2.40787	6 X
K07T98Z	18.5	0.15	K118R	11.511	320.545	53.718	2.327	0.19996	2.43714	3 X
K07T99U	18.7	0.15	K118R	5.767	321.694	49.375	2.367	0.18893	2.44431	3 X
K07TB3K	16.4	0.15	K118R	339.454	285.172	140.134	6.276	0.16250	2.41527	4 X
K07TB5D	17.1	0.15	K118R	45.802	283.195	82.022	8.109	0.14907	2.34066	4 X
K07TC1N	18.2	0.15	K118R	347.537	230.455	144.236	1.156	0.20753	2.56426	3 X
K07TC5V	17.4	0.15	K118R	330.817	196.436	205.704	4.953	0.23711	2.57303	2 X
K07TC6L	17.6	0.15	K118R	317.200	231.756	196.984	2.828	0.16623	2.55137	3 X
K07TC9A	17.6	0.15	K118R	353.913	137.184	227.175	1.266	0.19127	2.60430	3 X
K07TD4X	17.4	0.15	K118R	332.123	216.170	206.116	6.086	0.19699	2.40627	3 X
K07TD8E	17.1	0.15	K118R	44.921	123.427	191.639	2.103	0.14729	2.57984	6 X
K07TE5P	17.2	0.15	K118R	345.747	19.133	36.080	7.020	0.13626	2.43376	3 X
K07TE7D	16.9	0.15	K118R	54.826	294.835	26.326	7.157	0.13637	2.38332	4 X
K07TE7O	17.3	0.15	K118R	355.687	296.963	100.814	3.701	0.18991	2.42497	5 X
K07TF0A	17.1	0.15	K118R	358.216	155.875	229.519	5.949	0.14982	2.41868	4 X
K07TG7W	17.3	0.15	K118R	18.083	22.317	291.449	2.928	0.26913	2.58306	3 X
K07TG8R	17.7	0.15	K118R	12.187	29.595	339.814	2.085	0.21310	2.45496	5 X
K07TH1T	17.2	0.15	K118R	339.217	333.286	91.414	2.277	0.17439	2.42222	3 X
K07TH3G	17.8	0.15	K118R	327.507	241.363	199.003	0.736	0.19209	2.41806	4 X
K07TH8J	16.7	0.15	K118R	343.941	121.794	249.471	3.634	0.17435	2.62371	3 X
K07TL8K	16.1	0.15	K118R	298.021	54.455	38.393	17.908	0.15345	2.58739	4 X
K07TM0K	17.8	0.15	K118R	342.866	350.485	63.503	1.335	0.19515	2.40088	5 X
K07TM6Z	17.1	0.15	K118R	26.845	295.895	27.699	15.297	0.15008	2.60375	2 X
K07TN2A	17.5	0.15	K118R	39.922	83.457	221.460	12.088	0.25741	2.60868	2 X
K07TN2H	17.7	0.15	K118R	22.235	142.454	208.933	4.391	0.17362	2.53371	4 X
K07TP6N	17.6	0.15	K118R	30.646	283.134	64.631	3.326	0.22191	2.44959	3 X
K07TQ1V	17.9	0.15	K118R	316.226	33.032	35.737	9.472	0.16825	2.56955	3 X
K07TR1Y	18.0	0.15	K118R	306.353	194.627	266.357	1.074	0.05559	2.42478	6 X
K07TS9G	16.6	0.15	K118R	26.897	276.764	68.605	9.781	0.23756	2.43112	5 X
K07TZ7F	17.3	0.15	K118R	26.596	280.809	65.521	15.088	0.17712	2.44943	3 X
K07Ta1H	17.3	0.15	K118R	23.761	130.911	208.434	1.998	0.15994	2.60933	3 X
K07Ta1N	17.5	0.15	K118R	335.476	0.469	52.977	8.491	0.10084	2.56341	2 X
K07Ta8B	18.3	0.15	K118R	339.077	186.348	226.311	7.030	0.27235	2.54025	3 X
K07Tc3A	16.8	0.15	K118R	188.376	179.440	39.749	7.709	0.16181	2.43982	3 X
K07Tc5H	17.2	0.15	K118R	30.953	257.475	114.659	5.253	0.17740	2.33283	5 X
K07Tc8P	18.3	0.15	K118R	333.052	2.543	68.289	2.297	0.15961	2.40367	4 X
K07Td3A	18.1	0.15	K118R	341.505	34.346	24.082	1.234	0.20882	2.44802	3 X
K07Tf0H	17.3	0.15	K118R	346.212	316.441	91.581	3.004	0.17977	2.44229	5 X
K07Tf2G	17.0	0.15	K118R	332.717	148.743	288.905	5.952	0.09335	2.41443	5 X
K07Tg7R	17.6	0.15	K118R	22.197	115.621	207.440	15.233	0.19311	2.61515	3 X
K07Th6E	16.9	0.15	K118R	345.496	321.509	92.214	14.339	0.24844	2.64162	2 X
K07Th9M	18.3	0.15	K118R	61.365	329.893	350.227	2.360	0.17163	2.41272	4 X
K07Ti8R	17.0	0.15	K118R	126.262	73.456	202.799	5.225	0.07830	2.27861	6 X
K07U01U	17.6	0.15	K118R	329.341	27.069	37.866	1.427	0.18273	2.53747	3 X
K07U14N	17.3	0.15	K118R	5.882	289.721	103.576	5.904	0.11060	2.42473	5 X
K07U14P	17.6	0.15	K118R	36.698	187.073	154.625	1.597	0.20050	2.40186	6 X
K07U19A	18.2	0.15	K118R	44.745	320.071	7.868	1.369	0.13088	2.45652	4 X
K07U36V	16.9	0.15	K118R	311.678	0.787	88.282	5.759	0.14619	2.44807	5 X
K07U38R	16.5	0.15	K118R	315.761	172.677	259.517	5.766	0.14552	2.46203	5 X
K07U40M	18.2	0.15	K118R	36.802	326.244	10.166	3.120	0.20276	2.47380	2 X
K07U43E	17.6	0.15	K118R	313.634	32.352	38.192	9.838	0.12158	2.52931	2 X
K07U57C	18.4	0.15	K118R	0.472	117.155	239.605	2.939	0.32675	2.56667	2 X
K07U60U	17.6	0.15	K118R	324.921	211.776	222.812	4.124	0.19309	2.53338	3 X
K07U65J	16.7	0.15	K118R	65.265	253.494	38.813	13.632	0.15817	2.62141	2 X
K07U71K	17.5	0.15	K118R	225.538	326.951	223.035	1.521	0.12093	2.43518	8 X
K07U86N	17.6	0.15	K118R	311.740	214.601	220.625	11.214	0.16289	2.59079	2 X
K07U89M	18.1	0.15	K118R	33.158	123.498	221.284	1.776	0.23498	2.48243	4 X
K07U97C	16.9	0.15	K118R	9.785	333.186	33.902	2.203	0.17926	2.54164	5 X
K07UA7Q	17.9	0.15	K118R	19.082	352.966	8.080	2.577	0.19670	2.44465	4 X

K07UB2O	17.6	0.15	K118R	67.645	100.238	202.242	1.259	0.18141	2.47513	5 X
K07UB5G	18.4	0.15	K118R	301.178	51.119	37.977	5.242	0.18322	2.59968	2 X
K07UC7G	17.7	0.15	K118R	358.770	150.637	235.108	1.259	0.14636	2.56518	3 X
K07UD7D	17.1	0.15	K118R	311.035	192.886	259.122	4.804	0.07624	2.47967	5 X
K07UD7F	17.3	0.15	K118R	9.089	267.836	115.408	6.887	0.15753	2.43357	5 X
K07UD7G	17.8	0.15	K118R	18.356	241.852	129.389	5.659	0.14522	2.42302	2 X
K07UE0R	17.3	0.15	K118R	359.700	231.140	154.894	6.360	0.29950	2.52271	4 X
K07V07Z	15.5	0.15	K118R	31.426	273.072	93.285	27.852	0.25285	2.58172	4 X
K07V09X	17.0	0.15	K118R	84.159	212.946	93.042	7.563	0.13744	2.36727	5 X
K07V11P	15.8	0.15	K118R	43.524	268.443	60.612	15.532	0.13534	2.58168	4 X
K07V51W	18.2	0.15	K118R	338.276	2.230	25.860	6.582	0.22061	2.61532	3 X
K07V54E	16.4	0.15	K118R	8.305	137.238	217.518	12.923	0.17559	2.61083	3 X
K07V54Z	19.3	0.15	K118R	348.527	317.679	76.222	5.735	0.32323	2.53394	2 W
K07V60K	16.4	0.15	K118R	294.365	112.289	2.789	3.252	0.16884	2.55595	3 X
K07V65B	15.8	0.15	K118R	249.421	291.681	250.568	10.377	0.22344	2.54033	6 X
K07V67F	17.4	0.15	K118R	11.569	304.910	66.261	5.155	0.12578	2.60189	3 X
K07V72J	18.3	0.15	K118R	7.111	128.567	232.603	3.761	0.30091	2.55766	2 X
K07V73M	17.0	0.15	K118R	329.406	175.266	250.315	2.653	0.26755	2.56749	3 X
K07V76L	17.1	0.15	K118R	128.763	73.938	184.108	2.190	0.06794	2.52241	6 X
K07V77G	17.3	0.15	K118R	245.734	94.780	55.655	8.044	0.06065	2.54245	3 X
K07V83Y	17.1	0.15	K118R	354.990	321.788	63.659	5.995	0.20587	2.55704	3 X
K07V91J	16.9	0.15	K118R	358.109	334.144	22.507	8.171	0.17372	2.64330	2 X
K07V95Z	17.7	0.15	K118R	17.237	354.522	0.654	2.163	0.22178	2.53134	3 X
K07V96D	17.9	0.15	K118R	18.904	175.393	199.838	7.394	0.10836	2.46296	5 X
K07VA8T	18.0	0.15	K118R	26.992	126.811	218.331	1.046	0.19590	2.54268	4 X
K07VD9S	18.2	0.15	K118R	26.155	131.933	219.373	1.271	0.14199	2.54160	3 X
K07VF2K	16.8	0.15	K118R	84.687	15.685	268.699	6.909	0.27353	2.54621	5 X
K07VF8J	17.7	0.15	K118R	2.349	221.943	151.423	2.364	0.26505	2.53381	3 X
K07VG6E	17.9	0.15	K118R	357.636	158.341	231.879	8.348	0.12391	2.56457	2 X
K07VG9V	17.2	0.15	K118R	0.787	300.697	77.922	5.542	0.29921	2.55574	4 X
K07VI8R	16.1	0.15	K118R	16.977	321.516	42.351	14.695	0.09136	2.56228	4 X
K07VI9O	16.4	0.15	K118R	15.936	92.372	280.056	19.971	0.38242	2.41120	2 W
K07VJ8G	16.7	0.15	K118R	296.927	213.400	269.120	3.793	0.14121	2.66678	5 X
K07VK2P	17.7	0.15	K118R	25.123	125.486	214.911	5.088	0.10595	2.42825	7 X
K07VL1Q	17.4	0.15	K118R	177.406	183.409	36.399	8.443	0.05241	2.52553	4 X
K07VL6X	17.1	0.15	K118R	97.598	229.793	45.634	5.844	0.17595	2.61473	6 X
K07VL9W	17.6	0.15	K118R	4.696	150.438	235.786	2.682	0.19950	2.54729	2 X
K07VN9E	17.0	0.15	K118R	353.705	186.128	225.066	1.110	0.06165	2.51751	6 X
K07VN9T	16.5	0.15	K118R	8.609	287.142	80.826	5.509	0.13857	2.60420	4 X
K07VO3C	16.8	0.15	K118R	352.611	234.341	154.792	8.675	0.27903	2.54486	3 X
K07VQ5J	17.1	0.15	K118R	300.873	209.544	262.351	7.992	0.12693	2.55049	2 X
K07VQ8V	17.0	0.15	K118R	329.013	341.406	87.984	7.241	0.20064	2.54233	3 X
K07VQ9B	15.6	0.15	K118R	49.160	96.818	233.476	11.674	0.17986	2.56413	3 X
K07VT4Q	17.3	0.15	K118R	9.516	303.310	42.865	13.530	0.28259	2.60423	2 X
K07VT5L	16.7	0.15	K118R	358.712	53.288	328.202	3.566	0.08992	2.58180	5 X
K07VU6C	16.4	0.15	K118R	335.633	158.691	276.356	4.964	0.18722	2.67679	5 X
K07VU7G	17.1	0.15	K118R	200.777	334.072	221.539	1.669	0.03921	2.62995	6 X
K07VV2L	17.0	0.15	K118R	42.482	59.261	266.473	2.891	0.20018	2.58869	3 X
K07VV8U	17.4	0.15	K118R	7.901	316.803	58.599	3.154	0.09950	2.55964	4 X
K07VV9P	16.8	0.15	K118R	130.016	80.292	191.783	1.095	0.04991	2.48083	6 X
K07VW4F	16.9	0.15	K118R	350.358	145.713	251.215	12.226	0.17330	2.58442	2 X
K07VW9J	17.4	0.15	K118R	312.656	234.344	212.137	1.789	0.16997	2.58238	4 X
K07VW9V	17.0	0.15	K118R	11.408	100.424	255.018	3.117	0.28362	2.56649	4 X
K07VX1G	16.8	0.15	K118R	315.308	349.684	99.459	3.025	0.14806	2.57715	5 X
K07VX4A	17.3	0.15	K118R	303.754	48.828	65.370	10.655	0.15102	2.60732	4 X
K07W04U	18.9	0.15	K118R	357.923	283.384	67.034	29.223	0.50808	2.55293	2 X
K07W07O	16.5	0.15	K118R	346.593	352.788	44.111	9.141	0.20437	2.57143	2 X
K07W08B	16.8	0.15	K118R	8.371	77.465	296.429	4.964	0.18128	2.55734	3 X
K07W24J	17.6	0.15	K118R	319.283	17.889	73.434	7.435	0.14607	2.48209	4 X
K07W43S	17.6	0.15	K118R	326.734	59.489	14.739	4.242	0.15920	2.54995	4 X
K07W49P	16.6	0.15	K118R	159.683	0.796	229.340	11.475	0.05344	2.59063	4 X
K07W58V	16.8	0.15	K118R	21.541	292.589	70.763	12.425	0.18682	2.54622	2 X

K07W59D	16.7	0.15	K118R	129.151	205.365	55.677	3.110	0.03675	2.63962	6 X
K07W61P	17.2	0.15	K118R	346.424	23.816	24.985	4.222	0.11126	2.55776	3 X
K07X04F	17.7	0.15	K118R	356.908	160.869	222.510	3.526	0.27575	2.55715	2 X
K07X08N	16.3	0.15	K118R	77.452	250.476	65.081	4.034	0.10616	2.66619	5 X
K07X10E	17.2	0.15	K118R	328.283	270.320	160.560	3.985	0.22969	2.56197	2 X
K07X24G	15.8	0.15	K118R	10.763	279.262	104.257	12.620	0.32218	2.60837	6 X
K07X28W	17.2	0.15	K118R	324.880	10.458	71.950	4.407	0.12593	2.55987	3 X
K07X33X	17.2	0.15	K118R	343.499	88.984	311.440	2.842	0.25217	2.58566	4 X
K07X43H	16.9	0.15	K118R	71.533	229.551	76.381	12.292	0.06923	2.69630	3 W
K07X45U	17.8	0.15	K118R	300.522	358.633	123.290	4.142	0.17578	2.58527	3 X
K07X56E	16.8	0.15	K118R	354.129	353.428	46.156	9.401	0.27526	2.59472	3 X
K07X57S	15.9	0.15	K118R	302.462	205.389	257.429	10.831	0.13917	2.68244	4 X
K07Y08C	17.0	0.15	K118R	286.455	226.820	228.636	2.447	0.05626	2.77449	4 X
K07Y12W	16.8	0.15	K118R	37.533	304.545	58.999	7.252	0.05684	2.69310	5 X
K07Y15Q	16.7	0.15	K118R	20.316	283.937	64.986	5.333	0.26029	2.60874	3 X
K07Y24G	16.8	0.15	K118R	313.561	2.541	80.199	5.866	0.08179	2.70877	4 X
K07Y36V	17.1	0.15	K118R	274.907	69.569	51.323	2.905	0.02960	2.75471	5 X
K07Y54W	16.4	0.15	K118R	359.896	310.703	76.430	16.432	0.30216	2.63065	3 X
K07Y58M	16.2	0.15	K118R	338.340	318.275	114.283	4.684	0.07990	2.66480	7 X
K07Y71S	17.0	0.15	K118R	341.305	76.489	353.880	7.222	0.16247	2.57495	5 X
K08A00P	16.1	0.15	K118R	323.063	350.685	99.567	10.523	0.06010	2.70128	6 X
K08A03X	16.9	0.15	K118R	335.449	146.330	277.909	10.505	0.16466	2.63225	2 X
K08A27V	16.8	0.15	K118R	309.395	324.319	139.871	9.734	0.24794	2.78974	2 X
K08A36H	17.0	0.15	K118R	347.290	114.857	302.344	2.870	0.06032	2.74412	6 X
K08A46O	17.6	0.15	K118R	19.921	121.447	239.659	0.887	0.10987	2.63814	4 X
K08A53U	17.1	0.15	K118R	330.538	323.299	115.992	4.560	0.05046	2.69653	6 X
K08A58L	17.3	0.15	K118R	299.734	191.271	277.836	4.100	0.12184	2.72226	4 X
K08A59W	16.9	0.15	K118R	70.183	68.771	244.964	1.033	0.06324	2.92126	7 X
K08A68Y	16.7	0.15	K118R	280.370	180.916	300.513	5.592	0.07325	2.77020	4 X
K08A80W	17.0	0.15	K118R	327.082	247.633	194.360	2.386	0.14828	2.72777	3 X
K08A83Q	16.4	0.15	K118R	201.236	152.118	57.894	3.358	0.01995	2.68064	7 X
K08A92C	17.0	0.15	K118R	335.654	56.374	8.054	3.077	0.24806	2.64013	3 X
K08AD6G	17.2	0.15	K118R	326.122	216.887	227.753	8.629	0.24407	2.65969	3 X
K08AD6Z	16.1	0.15	K118R	149.676	190.537	63.322	5.473	0.25210	3.08169	4 X
K08AD7E	16.4	0.15	K118R	338.951	161.263	258.634	6.940	0.17710	2.68376	5 X
K08B17M	17.1	0.15	K118R	9.089	270.787	116.602	6.359	0.32242	2.60506	6 X
K08B19H	17.0	0.15	K118R	336.108	344.141	88.516	6.702	0.18783	2.60926	4 X
K08B26K	16.3	0.15	K118R	29.103	88.686	293.493	4.957	0.04923	2.73819	4 X
K08B45E	16.7	0.15	K118R	341.552	12.603	37.015	8.666	0.22113	2.75996	3 X
K08C09V	17.3	0.15	K118R	270.231	43.877	88.974	1.132	0.09460	2.88098	6 X
K08C20B	16.7	0.15	K118R	317.977	4.232	97.438	3.672	0.21878	2.68928	4 X
K08C20V	16.8	0.15	K118R	3.680	324.666	114.684	12.380	0.20334	2.53217	2 W
K08C25K	16.3	0.15	K118R	29.487	307.447	59.762	2.105	0.15583	2.99228	6 X
K08C33L	16.1	0.15	K118R	351.707	170.697	262.967	11.637	0.24826	2.55189	3 X
K08C70N	19.1	0.15	K118R	84.542	114.316	150.749	24.455	0.37953	0.85185	3 X
K08C73E	16.8	0.15	K118R	322.928	23.008	46.170	6.570	0.29315	2.73228	3 X
K08CA1D	16.7	0.15	K118R	342.539	8.405	54.323	4.707	0.09502	2.69758	3 X
K08CF2P	16.6	0.15	K118R	292.819	284.213	176.269	9.577	0.07198	3.03748	3 X
K08CG5D	17.1	0.15	K118R	328.855	233.918	207.098	4.236	0.13719	2.75865	4 X
K08CH7U	16.4	0.15	K118R	290.145	56.511	59.877	7.934	0.11564	2.77838	3 X
K08CI0E	16.1	0.15	K118R	295.173	249.586	231.180	12.231	0.14429	2.74906	4 X
K08CI2L	15.9	0.15	K118R	161.290	179.580	50.352	6.340	0.05157	3.13948	7 X
K08CJ9F	16.7	0.15	K118R	176.452	359.056	238.274	1.782	0.17016	3.02668	5 X
K08D16E	16.4	0.15	K118R	300.764	21.468	115.188	7.671	0.13318	2.69464	5 X
K08D16X	16.2	0.15	K118R	306.684	51.581	67.761	8.242	0.28245	2.68443	2 X
K08D32W	16.7	0.15	K118R	233.614	117.591	52.079	3.143	0.11487	3.06014	7 X
K08D55P	16.0	0.15	K118R	173.017	244.538	342.091	4.460	0.03644	3.12862	5 X
K08D80V	17.0	0.15	K118R	211.634	244.896	313.222	2.472	0.06835	2.99937	4 X
K08D85L	16.1	0.15	K118R	270.010	68.090	77.535	2.533	0.05267	2.99735	6 X
K08E14O	16.4	0.15	K118R	164.376	249.736	357.170	8.830	0.03196	3.11014	4 X
K08E15A	16.3	0.15	K118R	344.820	50.757	15.101	4.792	0.16445	2.98127	5 X
K08E25M	15.5	0.15	K118R	233.309	130.911	50.041	10.496	0.04971	3.08383	5 X

K08E40T	16.1	0.15	K118R	112.618	317.630	337.961	8.931	0.03228	3.17751	5 X
K08E88N	16.5	0.15	K118R	205.468	211.868	353.844	3.781	0.16886	3.07272	6 X
K08ED2K	17.0	0.15	K118R	254.102	139.723	22.119	6.769	0.15002	2.92497	4 X
K08ED6H	16.0	0.15	K118R	278.065	79.593	33.887	9.111	0.11916	3.21890	3 X
K08EE8T	16.2	0.15	K118R	207.907	210.011	350.031	4.178	0.12018	3.19301	5 X
K08EG8P	16.2	0.15	K118R	225.854	318.219	224.773	8.544	0.12551	3.19141	3 X
K08EG8Z	15.9	0.15	K118R	264.298	97.213	57.043	13.062	0.13925	3.04956	4 X
K08F14V	16.0	0.15	K118R	211.415	116.993	71.039	2.150	0.09684	3.19432	5 X
K08F15O	15.2	0.15	K118R	320.432	28.868	69.278	12.344	0.07875	3.15187	5 X
K08F87S	16.9	0.15	K118R	328.017	29.467	59.244	0.324	0.14599	2.97718	6 X
K08F91G	16.4	0.15	K118R	157.298	90.559	147.208	2.457	0.10825	3.10060	7 X
K08F98P	15.5	0.15	K118R	251.614	287.175	227.524	15.755	0.06793	3.07404	4 X
K08FB5H	16.4	0.15	K118R	209.004	99.387	98.105	2.619	0.14078	3.19675	4 X
K08G00P	15.0	0.15	K118R	207.334	136.950	81.907	20.236	0.15407	3.17552	4 X
K08GB4O	15.9	0.15	K118R	355.958	285.672	129.211	7.709	0.08615	3.24315	5 X
K08GB5O	17.4	0.15	K118R	315.536	256.948	224.460	5.917	0.46838	2.62091	3 X
K08GE0U	16.3	0.15	K118R	292.602	258.150	230.709	5.157	0.11411	3.01963	7 X
K08GE5T	15.4	0.15	K118R	236.236	126.249	64.311	17.921	0.16069	3.10346	4 X
K08H18C	15.9	0.15	K118R	271.722	63.231	91.544	12.783	0.15711	3.07438	5 X
K08H59N	15.5	0.15	K118R	104.329	240.032	63.430	6.595	0.08116	3.55087	4 X
K08H69W	16.0	0.15	K118R	295.851	82.520	45.091	10.160	0.15703	3.14231	5 X
K08K25T	16.1	0.15	K118R	292.646	262.237	215.585	24.228	0.27066	3.17538	2 X
K08T26H	17.0	0.15	K118R	346.393	185.392	211.003	21.523	0.07371	1.98144	3 X
K08Y35M	17.9	0.15	K118R	1.777	354.324	21.068	1.124	0.15091	2.27625	4 X
K08Y54R	17.3	0.15	K118R	316.695	33.696	39.261	3.094	0.13573	2.26390	4 X
K08Y68L	16.8	0.15	K118R	7.805	253.548	134.862	6.656	0.09125	2.31239	4 X
K08YA3D	17.1	0.15	K118R	139.826	315.913	286.722	7.350	0.17613	2.44327	4 X
K08YB6F	17.3	0.15	K118R	109.894	348.746	282.664	6.337	0.09591	2.32128	2 X
K08YB7A	17.7	0.15	K118R	16.363	258.140	104.178	6.240	0.11965	2.25435	2 X
K08YB8V	17.7	0.15	K118R	28.029	44.627	306.539	6.052	0.14294	2.31778	3 X
K08YB9H	17.0	0.15	K118R	183.655	254.992	311.462	6.162	0.06884	2.38039	6 X
K08YE0N	17.2	0.15	K118R	52.494	94.530	250.458	3.767	0.02209	2.25225	4 X
K08YF4Y	18.1	0.15	K118R	326.735	178.799	256.946	2.658	0.12313	2.19165	5 X
K08YG0E	18.3	0.15	K118R	313.636	256.661	186.002	0.339	0.18382	2.28973	3 X
K08YG1D	18.0	0.15	K118R	211.522	123.118	60.665	3.174	0.09968	2.30303	6 X
K08YG5T	18.9	0.15	K118R	277.015	260.540	222.678	1.409	0.14279	2.26209	3 X
K09A10J	18.4	0.15	K118R	308.425	222.866	200.656	1.590	0.15631	2.28472	3 X
K09A22Y	17.4	0.15	K118R	160.560	275.593	310.745	6.398	0.07834	2.33887	3 X
K09A27V	18.0	0.15	K118R	314.793	328.756	113.981	7.200	0.11334	2.23587	2 W
K09A33V	17.4	0.15	K118R	119.842	215.216	61.551	3.513	0.13823	2.31851	4 X
K09A46B	17.5	0.15	K118R	327.785	26.858	12.066	1.578	0.17550	2.35676	3 X
K09B31U	18.0	0.15	K118R	321.616	52.457	356.266	2.117	0.18546	2.33388	4 X
K09B32E	17.7	0.15	K118R	182.400	173.650	35.093	1.930	0.12166	2.41989	6 X
K09B40L	17.1	0.15	K118R	179.357	154.850	59.630	2.271	0.12734	2.45231	6 X
K09B53A	18.1	0.15	K118R	306.866	48.541	17.576	1.504	0.14864	2.36768	3 X
K09B68F	17.8	0.15	K118R	327.383	114.068	310.220	2.214	0.14025	2.32904	5 X
K09B74M	18.1	0.15	K118R	330.985	175.984	242.485	7.228	0.21774	2.21449	3 X
K09B78L	17.6	0.15	K118R	0.207	115.773	267.261	4.865	0.13747	2.29596	4 X
K09B79D	17.9	0.15	K118R	245.805	262.419	250.287	1.381	0.10488	2.29769	5 X
K09B85P	17.9	0.15	K118R	15.321	216.927	149.935	3.165	0.17546	2.28185	4 X
K09B85Y	18.2	0.15	K118R	241.373	217.031	299.862	3.317	0.06510	2.31388	6 X
K09BA0Q	18.7	0.15	K118R	1.837	237.890	152.489	2.859	0.15353	2.21866	4 X
K09BA3U	17.0	0.15	K118R	135.489	296.279	318.017	13.743	0.09340	2.48378	4 X
K09BA5L	17.3	0.15	K118R	342.072	160.705	221.170	1.874	0.24909	2.41520	3 X
K09BA6S	17.7	0.15	K118R	319.399	173.696	260.027	2.478	0.12682	2.26569	4 X
K09BB0O	17.2	0.15	K118R	183.380	149.730	62.285	2.795	0.12849	2.52399	4 X
K09BE3K	17.7	0.15	K118R	178.817	154.250	73.950	3.246	0.15836	2.39884	8 X
K09BF7O	17.3	0.15	K118R	255.056	15.304	133.434	1.837	0.12215	2.37395	5 X
K09BI0A	17.5	0.15	K118R	177.727	129.998	84.073	2.218	0.13210	2.34635	6 X
K09C03K	17.7	0.15	K118R	320.433	44.694	4.839	1.234	0.17549	2.36522	3 X
K09C25K	18.1	0.15	K118R	220.393	179.088	356.989	4.320	0.05126	2.40059	3 X
K09C27L	18.0	0.15	K118R	257.000	95.019	50.403	2.733	0.14486	2.34729	5 X

K09C27U	18.4	0.15	K118R	319.632	16.030	57.509	3.481	0.15109	2.31622	3 X
K09C28L	18.2	0.15	K118R	284.155	91.228	12.118	1.595	0.14670	2.37383	4 X
K09C29S	18.2	0.15	K118R	336.350	344.522	67.060	2.342	0.19614	2.31136	4 X
K09C47R	16.7	0.15	K118R	126.113	269.010	353.564	16.468	0.10978	2.60037	5 X
K09C48N	17.9	0.15	K118R	226.041	159.514	16.285	5.167	0.10205	2.43493	4 X
K09D25U	18.2	0.15	K118R	341.040	303.540	113.021	2.730	0.15052	2.28427	5 X
K09D31S	17.3	0.15	K118R	316.107	268.437	184.805	5.398	0.18457	2.30855	6 X
K09D46T	17.1	0.15	K118R	273.365	330.685	170.277	5.957	0.10062	2.26365	6 X
K09D51P	17.3	0.15	K118R	112.813	295.046	337.848	14.435	0.11346	2.55283	4 X
K09D54O	17.9	0.15	K118R	236.179	72.094	91.717	2.045	0.09987	2.39350	5 X
K09D60M	17.9	0.15	K118R	291.792	37.790	73.925	3.589	0.16499	2.34637	4 X
K09D63W	17.0	0.15	K118R	324.236	324.551	118.447	6.779	0.16685	2.31585	3 X
K09D66C	16.5	0.15	K118R	39.388	25.129	311.021	3.672	0.18295	2.57055	5 X
K09D72P	16.9	0.15	K118R	154.815	261.774	335.416	3.585	0.09560	2.52269	5 X
K09D72Y	17.2	0.15	K118R	141.709	337.340	267.863	0.751	0.06465	2.53295	9 X
K09D89F	17.0	0.15	K118R	354.085	346.640	33.476	6.587	0.06093	2.74759	2 X
K09D95G	16.4	0.15	K118R	353.396	341.224	41.351	6.368	0.05317	2.79063	4 X
K09D99H	17.6	0.15	K118R	258.817	75.598	70.143	2.904	0.11764	2.40486	3 X
K09DA2V	17.3	0.15	K118R	196.776	128.307	74.287	3.868	0.15251	2.55441	4 X
K09DA4M	17.7	0.15	K118R	202.062	192.213	7.026	5.329	0.10295	2.55033	5 X
K09DA5U	17.1	0.15	K118R	84.190	120.998	180.969	2.072	0.04771	2.70509	5 X
K09DB1Z	17.3	0.15	K118R	163.933	232.340	358.987	3.997	0.09054	2.59382	5 X
K09DC1R	16.6	0.15	K118R	77.575	303.287	2.445	8.823	0.06478	2.69024	6 X
K09DC8J	17.7	0.15	K118R	256.724	135.339	16.005	3.722	0.11506	2.38800	4 X
K09DC9H	17.9	0.15	K118R	228.704	317.591	229.166	0.681	0.12459	2.39418	5 X
K09DD3U	17.5	0.15	K118R	219.211	308.136	226.719	0.526	0.13799	2.41201	7 X
K09DD4Q	16.8	0.15	K118R	109.074	249.750	11.598	3.314	0.03572	2.79692	5 X
K09DD8H	17.6	0.15	K118R	334.200	98.456	323.476	2.759	0.07745	2.46783	5 X
K09DD8Y	15.8	0.15	K118R	166.273	340.014	255.817	11.986	0.29046	2.68939	3 X
K09DD9R	17.1	0.15	K118R	324.561	202.862	236.982	4.689	0.06033	2.33139	6 X
K09DE2M	17.3	0.15	K118R	56.086	304.087	27.920	6.924	0.08101	2.76066	6 X
K09E04K	17.2	0.15	K118R	239.009	109.692	71.540	2.684	0.15392	2.36504	5 X
K09E19V	17.2	0.15	K118R	334.431	241.218	182.284	3.235	0.15314	2.31632	5 X
K09E25E	18.3	0.15	K118R	278.000	279.515	215.745	0.683	0.12546	2.34788	3 X
K09E27L	17.0	0.15	K118R	18.456	38.625	339.065	1.892	0.05188	2.53510	5 X
K09E29N	17.6	0.15	K118R	300.167	299.518	163.331	0.902	0.16885	2.35657	6 X
K09F11X	17.2	0.15	K118R	121.004	332.385	302.793	2.946	0.11289	2.57363	5 X
K09F14P	17.6	0.15	K118R	210.717	157.627	43.920	7.336	0.12057	2.46992	6 X
K09F28J	16.6	0.15	K118R	247.703	109.912	14.725	12.411	0.10611	2.67107	3 X
K09F50Z	16.4	0.15	K118R	197.204	155.253	27.968	15.016	0.12255	2.73893	4 X
K09F58N	17.8	0.15	K118R	289.933	77.489	24.650	2.315	0.03676	2.58831	6 X
K09F67Z	17.0	0.15	K118R	106.283	231.578	50.133	5.141	0.03349	2.79858	5 X
K09F72N	16.3	0.15	K118R	75.691	255.997	48.969	9.596	0.10875	3.02584	5 X
K09F73M	16.9	0.15	K118R	157.407	190.847	59.215	4.224	0.05283	2.68632	5 X
K09F74V	16.8	0.15	K118R	255.327	103.187	46.796	10.569	0.16268	2.44267	4 X
K09F75J	16.4	0.15	K118R	326.138	288.777	139.680	11.880	0.03358	2.57751	6 X
K09G01D	15.6	0.15	K118R	144.523	189.508	57.330	6.702	0.08696	3.08988	7 X
K09G06J	16.8	0.15	K118R	123.740	83.299	179.203	1.047	0.12508	3.10858	4 X
K09H04N	17.4	0.15	K118R	89.829	183.930	124.714	4.360	0.10336	2.71343	4 X
K09H12Z	16.8	0.15	K118R	254.025	96.372	24.328	17.199	0.11108	2.71859	4 X
K09H14H	15.7	0.15	K118R	119.087	206.218	58.406	9.112	0.16538	3.08322	5 X
K09H20A	16.4	0.15	K118R	189.542	151.220	57.610	9.116	0.16993	2.70305	3 X
K09H30V	16.2	0.15	K118R	20.259	326.673	40.549	6.811	0.04633	2.72760	5 X
K09H44R	17.0	0.15	K118R	243.691	122.855	46.859	6.539	0.12710	2.51973	5 X
K09H57Y	17.0	0.15	K118R	189.053	275.746	297.179	4.407	0.08286	2.72262	6 X
K09H85G	15.9	0.15	K118R	85.280	240.233	66.164	20.459	0.20240	3.09333	3 X
K09H92B	16.9	0.15	K118R	252.399	289.916	232.753	1.490	0.06899	2.63338	6 X
K09H94W	16.9	0.15	K118R	291.377	54.239	63.243	3.028	0.01066	2.86904	5 X
K09H96S	17.1	0.15	K118R	176.587	128.782	106.879	5.866	0.03164	2.71572	4 X
K09H97V	16.6	0.15	K118R	300.137	267.158	208.696	8.970	0.13936	2.54468	4 X
K09H99T	16.8	0.15	K118R	150.961	15.630	221.244	3.844	0.09629	2.94323	4 X
K09J16T	16.0	0.15	K118R	136.853	17.967	229.131	11.348	0.15450	3.12191	4 X

K09K01U	15.3	0.15	K118R	86.542	241.892	55.666	19.536	0.12594	3.23934	6 X
K09L05D	16.6	0.15	K118R	239.951	79.169	99.541	12.322	0.12769	2.63085	6 X
K09Sa1V	13.5	0.15	K118R	88.161	80.499	265.620	14.314	0.15150	5.28223	5 X
K09W06R	18.4	0.15	K118R	323.507	114.763	284.909	26.495	0.27740	1.66343	3 X
K10B51J	17.1	0.15	K118R	66.184	251.299	52.901	23.296	0.20435	2.28211	4 X
K10E38B	16.8	0.15	K118R	41.298	276.785	31.316	6.859	0.10786	2.41464	4 X
K10E99Z	16.1	0.15	K118R	25.776	102.199	208.868	10.284	0.19580	2.77987	2 X
K10EC2W	16.9	0.15	K118R	58.060	77.386	210.801	12.183	0.25837	2.69235	3 X
K10F92M	18.2	0.15	K118R	96.899	53.630	220.208	6.276	0.16196	2.22073	3 X
K10GA8O	17.7	0.15	K118R	102.310	234.440	44.901	8.107	0.13717	2.19275	3 X
K10GB7F	17.1	0.15	K118R	12.235	129.422	209.889	7.553	0.11981	2.42978	2 X
K10GC7K	16.9	0.15	K118R	26.778	142.983	195.579	14.899	0.28350	2.70721	4 X
K10GF9W	17.6	0.15	K118R	46.315	293.888	34.276	5.951	0.19427	2.28916	4 X
K10H20C	17.5	0.15	K118R	62.428	257.005	60.233	3.642	0.20824	2.25241	5 X
K10H66U	15.0	0.15	K118R	62.546	67.749	256.776	24.901	0.20884	3.09908	4 X
K10J47Y	18.4	0.15	K118R	269.281	53.844	76.424	23.690	0.08599	1.89932	2 X
K10J59E	15.4	0.15	K118R	36.567	283.185	80.383	16.156	0.15329	3.04164	6 X
K10J75L	16.9	0.15	K118R	81.268	241.108	42.388	4.734	0.06958	2.36493	5 X
K10JB6P	16.7	0.15	K118R	101.154	229.340	53.829	9.472	0.04127	2.18918	6 X
K10JC4G	17.1	0.15	K118R	306.402	15.498	94.635	24.656	0.04342	1.87446	5 X
K10JE9V	16.6	0.15	K118R	31.539	108.754	229.283	13.078	0.22575	2.71394	2 X
K10K08G	17.5	0.15	K118R	92.886	313.206	324.798	0.944	0.16238	2.40723	6 X
K10K62D	18.0	0.15	K118R	125.592	25.760	225.657	2.499	0.18252	2.29705	5 X
K10K77O	15.4	0.15	K118R	81.188	68.939	251.799	9.081	0.09814	2.98474	4 X
K10KB4L	15.1	0.15	K118R	28.371	100.274	266.826	1.415	0.26146	4.02392	4 X
K10KB6F	16.4	0.15	K118R	146.523	15.788	226.425	8.746	0.22937	2.77279	5 X
K10L15Y	17.8	0.15	K118R	115.639	114.608	160.923	3.535	0.19505	2.24963	6 X
K10L52Q	16.3	0.15	K118R	102.868	42.676	248.079	13.425	0.17932	3.11911	3 X
K10L58R	15.8	0.15	K118R	92.485	51.840	254.701	11.728	0.15271	3.14537	4 X
K10L60G	16.3	0.15	K118R	11.554	150.885	246.602	6.649	0.02812	3.19186	3 X
K10LA2Z	15.5	0.15	K118R	39.564	234.353	145.801	5.367	0.13970	3.16245	5 X
K10MA2D	16.0	0.15	K118R	95.353	208.708	116.235	5.447	0.14160	3.01980	7 X
K10O14H	15.2	0.15	K118R	70.740	115.728	226.077	7.443	0.13026	3.95677	3 X
K10R22F	15.3	0.15	K118R	21.842	166.553	218.501	8.111	0.05781	2.99687	6 X
K10TF0L	16.7	0.15	K118R	60.375	118.492	246.750	8.094	0.05183	2.69738	4 X
K10V34J	12.6	0.15	K118R	341.514	219.752	249.409	9.180	0.03033	5.20198	8 X
K11F02Z	17.2	0.15	K118R	353.769	216.032	99.201	13.343	0.78086	2.67281	2 X
K11N03Y	15.8	0.15	K118R	32.193	305.463	32.647	9.721	0.06403	3.13158	3 X
K11Q31Z	18.3	0.15	K118R	359.615	354.098	348.535	4.392	0.26989	2.38362	2 X
K11Q40O	16.4	0.15	K118R	341.842	187.106	224.406	12.672	0.30214	2.63897	4 X
K11Q91Q	18.7	0.15	K118R	2.606	128.683	211.017	5.390	0.19929	2.24728	2 X
K11R04F	18.3	0.15	K118R	29.538	296.581	14.491	7.178	0.18683	2.30834	2 X
K11R14R	16.2	0.15	K118R	8.357	324.399	24.609	14.485	0.17341	3.11628	2 X
K11R17Y	17.3	0.15	K118R	297.317	237.931	201.198	10.998	0.16424	2.70062	3 X
K11S29U	16.1	0.15	K118R	344.677	8.369	6.339	17.789	0.21160	3.12040	3 X
K11S43F	16.6	0.15	K118R	335.419	25.312	356.298	3.125	0.10445	2.79716	6 X
K11S51P	17.4	0.15	K118R	333.821	35.859	11.294	6.307	0.16000	2.24356	4 X
K11S61S	18.3	0.15	K118R	5.840	129.681	211.727	2.088	0.24384	2.32301	2 X
K11S84C	18.9	0.15	K118R	5.093	296.279	46.396	0.809	0.20033	2.18651	3 X
K11S88L	17.0	0.15	K118R	23.827	121.760	215.119	9.863	0.16267	2.73748	3 X
K11SA2L	18.1	0.15	K118R	317.565	51.361	59.743	10.039	0.48987	2.20242	3 X
K11SA3G	16.2	0.15	K118R	332.235	194.326	220.053	13.351	0.23638	2.68905	4 X
K11SA3R	18.1	0.15	K118R	352.262	338.121	26.606	4.793	0.19168	2.26258	2 X
K11SA3W	18.1	0.15	K118R	10.760	129.170	222.561	5.865	0.16616	2.33168	2 X
K11SA5S	17.9	0.15	K118R	325.338	268.154	164.284	0.901	0.20425	2.41974	2 X
K11SA7F	18.4	0.15	K118R	348.713	14.387	23.016	3.986	0.17595	2.25004	3 X
K11SB4P	17.6	0.15	K118R	341.616	1.815	43.024	4.920	0.31330	2.58382	3 X
K11SB6Y	17.6	0.15	K118R	352.861	216.382	168.642	2.318	0.21498	2.31989	3 X
K11SB7S	18.0	0.15	K118R	344.273	356.938	18.296	5.805	0.19601	2.34292	2 X
K11SB9S	15.7	0.15	K118R	39.976	286.770	49.673	7.854	0.14912	3.08087	6 X
K11SB9T	17.9	0.15	K118R	343.809	1.932	42.824	5.343	0.28191	2.58844	2 X
K11SB9W	17.1	0.15	K118R	330.089	354.805	43.782	3.418	0.18242	2.43912	6 X

K11SC7O	17.9	0.15	K118R	355.974	337.835	29.404	5.244	0.18384	2.22726	4 X
K11SC9L	19.6	0.15	K118R	353.109	333.942	37.518	6.120	0.26463	2.31370	2 X
K11SC9U	18.4	0.15	K118R	304.812	343.538	99.859	2.237	0.18147	2.41931	4 X
K11SC9Z	17.5	0.15	K118R	343.551	350.398	42.528	5.470	0.13390	2.77741	2 X
K11SD2L	16.7	0.15	K118R	351.493	347.070	39.099	6.617	0.32277	2.59775	5 X
K11SD5K	16.5	0.15	K118R	28.073	304.127	19.423	5.312	0.09933	2.71839	5 X
K11SD5N	17.1	0.15	K118R	353.092	346.765	21.536	7.015	0.23337	2.99898	2 X
K11SD6E	16.5	0.15	K118R	15.172	138.616	200.557	11.383	0.14165	3.04056	2 X
K11SE6E	16.0	0.15	K118R	6.738	157.978	207.840	8.809	0.09209	3.16272	3 X
K11SE6H	17.7	0.15	K118R	307.652	208.092	228.112	1.678	0.15875	2.36767	4 X
K11SF8X	17.9	0.15	K118R	355.260	151.495	210.700	5.074	0.27534	2.63321	2 X
K11SG4M	16.3	0.15	K118R	6.987	337.587	29.971	11.230	0.04041	3.18101	2 X
K11SG5B	17.4	0.15	K118R	35.999	251.442	63.826	2.241	0.19859	2.35093	5 X
K11SG5D	16.7	0.15	K118R	348.924	349.525	38.764	5.501	0.24886	3.01301	2 X
K11SG5L	16.7	0.15	K118R	294.196	86.437	9.962	5.151	0.07876	2.70814	2 X
K11SG6X	16.2	0.15	K118R	270.232	94.985	40.647	11.574	0.05019	2.98126	3 X
K11SI0A	16.7	0.15	K118R	300.033	231.155	217.584	4.834	0.12822	3.11732	6 X
K11SI0O	18.9	0.15	K118R	332.529	199.457	208.375	2.863	0.19504	2.44995	2 X
K11SI0T	15.7	0.15	K118R	251.235	282.232	209.968	11.070	0.04257	3.08500	7 X
K11SJ0Y	17.6	0.15	K118R	315.358	89.405	356.571	4.946	0.19334	2.35362	4 X
K11SJ1D	16.5	0.15	K118R	8.125	106.518	269.083	25.622	0.47311	2.55121	2 X
K11SJ1O	17.6	0.15	K118R	22.562	131.609	221.432	5.996	0.11959	2.28764	5 X
K11SJ4J	15.5	0.15	K118R	0.635	150.504	233.826	10.846	0.14944	3.10175	4 X
K11SJ4S	15.1	0.15	K118R	342.487	176.814	229.396	9.673	0.07779	3.14380	6 X
K11SK8N	17.4	0.15	K118R	334.001	359.045	46.087	5.762	0.20868	2.43949	2 X
K11SL9G	16.2	0.15	K118R	282.894	264.251	214.811	12.142	0.22700	2.69235	4 X
K11SL9T	15.6	0.15	K118R	57.970	94.912	209.858	3.905	0.13898	3.20193	8 X
K11SN3T	16.8	0.15	K118R	52.969	95.568	213.119	17.150	0.13282	2.81011	4 X
K11SN9P	17.2	0.15	K118R	30.155	307.217	4.420	1.130	0.17703	2.44452	6 X
K11SO6C	16.9	0.15	K118R	345.383	165.460	226.010	5.347	0.16765	3.00843	5 X
K11SO7S	17.0	0.15	K118R	4.109	349.028	17.930	6.469	0.26867	2.33252	3 X
K11SP7Z	16.4	0.15	K118R	70.430	267.695	36.233	1.787	0.00355	2.90835	4 X
K11SP8A	17.3	0.15	K118R	314.738	65.897	11.635	2.174	0.20770	3.03205	2 X
K11SP8B	16.2	0.15	K118R	98.527	243.503	21.396	4.802	0.12323	3.08433	4 X
K11SP8Q	16.7	0.15	K118R	357.407	340.458	33.752	18.426	0.13229	2.88742	3 X
K11SP9B	16.7	0.15	K118R	330.337	29.275	47.352	5.845	0.15104	2.78841	2 X
K11SP9W	16.9	0.15	K118R	263.376	243.114	234.955	1.100	0.06314	2.87108	2 X
K11SQ1J	16.9	0.15	K118R	329.994	342.562	67.512	2.933	0.06989	2.84708	4 X
K11T01Z	15.5	0.15	K118R	10.843	150.105	210.986	9.511	0.31052	3.04612	3 X
K11T02B	18.0	0.15	K118R	13.955	300.431	42.454	9.539	0.34067	2.23491	3 X
K11T04F	15.5	0.15	K118R	31.627	247.041	98.363	17.308	0.18895	3.07626	5 X
K11T04G	15.2	0.15	K118R	31.792	268.394	85.207	22.372	0.11586	3.23125	5 X
K11T05S	15.4	0.15	K118R	337.919	7.242	51.222	9.354	0.11059	3.13720	4 X
K11T05X	15.9	0.15	K118R	343.614	223.159	201.790	9.908	0.12424	2.97443	2 X
K11T09V	17.4	0.15	K118R	342.050	338.735	45.282	6.030	0.26350	2.35907	4 X
K11T10S	17.7	0.15	K118R	334.410	27.338	4.175	3.002	0.19685	2.40358	3 X
K11T16M	16.4	0.15	K118R	233.688	238.790	295.045	3.731	0.09588	2.71272	3 X
K11U00V	16.0	0.15	K118R	0.310	121.477	250.201	6.100	0.25276	3.08163	5 X
K11U03K	16.0	0.15	K118R	326.246	211.877	213.483	21.629	0.24914	3.07339	4 X
K11U05R	16.6	0.15	K118R	346.913	358.553	42.798	13.807	0.20557	2.57085	3 X
K11U05W	17.5	0.15	K118R	349.080	343.944	51.021	3.314	0.17300	2.35035	3 X
K11U06C	17.6	0.15	K118R	80.716	65.023	224.577	4.797	0.15981	2.28892	4 X
K11U06D	17.1	0.15	K118R	341.509	190.874	220.351	1.604	0.20859	2.64258	6 X
K11U07C	17.3	0.15	K118R	67.196	259.571	47.267	5.664	0.15169	2.71158	4 X
K11U07N	17.1	0.15	K118R	97.152	60.717	218.272	5.087	0.11533	2.37970	8 X
K11U07P	17.3	0.15	K118R	280.347	72.757	44.551	3.684	0.06452	2.64604	4 X
K11U07Z	17.9	0.15	K118R	169.149	347.556	231.509	5.009	0.05072	2.34457	6 X
K11U08P	16.4	0.15	K118R	354.614	339.643	48.736	5.461	0.17732	2.32135	6 X
K11U08V	18.1	0.15	K118R	31.470	116.580	219.919	0.934	0.17481	2.16081	4 X
K11U08Y	18.7	0.15	K118R	18.943	135.017	212.426	1.766	0.21746	2.19459	2 X
K11U09A	16.8	0.15	K118R	18.273	121.767	220.442	3.635	0.33407	2.60153	4 X
K11U09R	17.0	0.15	K118R	22.652	144.398	212.982	2.905	0.10224	2.34100	7 X

K11U17N	16.7	0.15	K118R	322.036	57.144	20.695	5.041	0.15652	2.57356	4 X
K11U17S	16.5	0.15	K118R	1.282	293.136	71.751	3.737	0.26084	2.67003	5 X
K11U22K	16.1	0.15	K118R	6.025	9.244	357.156	9.444	0.17767	3.05859	4 X
K11U25Y	16.3	0.15	K118R	18.030	242.015	101.426	0.885	0.33099	3.08022	4 X
K11U26H	15.8	0.15	K118R	37.670	297.168	49.538	10.395	0.08105	3.12906	6 X
K11U26Q	15.5	0.15	K118R	319.647	32.195	48.287	12.121	0.12692	3.06782	3 X
K11U27V	17.3	0.15	K118R	347.584	308.204	86.381	2.427	0.19115	2.37756	2 X
K11U28A	17.9	0.15	K118R	1.079	63.783	305.748	3.640	0.32322	2.54343	2 X
K11U28C	19.0	0.15	K118R	309.973	96.230	349.731	5.531	0.15001	2.26137	2 X
K11U28J	17.4	0.15	K118R	17.348	69.902	285.306	4.654	0.17304	2.32055	3 X
K11U28P	16.3	0.15	K118R	76.769	60.243	246.793	13.131	0.08413	2.77554	4 X
K11U28S	16.6	0.15	K118R	14.481	340.315	10.553	6.693	0.31797	2.58209	4 X
K11U28U	16.3	0.15	K118R	317.956	51.591	27.547	14.004	0.12032	2.62532	5 X
K11U28V	16.1	0.15	K118R	6.824	142.769	237.040	14.141	0.16101	3.13098	2 X
K11U29G	15.5	0.15	K118R	356.360	0.891	33.034	19.611	0.20744	3.01281	2 X
K11U30F	16.5	0.15	K118R	42.717	276.420	55.165	12.702	0.19526	2.67615	4 X
K11U35W	16.0	0.15	K118R	37.025	287.084	52.669	26.005	0.19385	2.63541	2 X
K11U37D	17.4	0.15	K118R	355.418	330.211	60.016	6.688	0.19268	2.40655	3 X
K11U38J	17.6	0.15	K118R	359.499	311.096	69.728	4.303	0.29417	2.64555	3 X
K11U39M	17.7	0.15	K118R	333.500	158.505	224.533	3.547	0.11492	2.37220	5 X
K11U41O	17.0	0.15	K118R	30.634	318.013	22.411	5.946	0.05148	2.80752	2 X
K11U41V	16.8	0.15	K118R	283.756	74.805	20.238	2.042	0.04457	2.79283	4 X
K11U41X	16.4	0.15	K118R	357.134	154.918	221.467	5.786	0.16418	3.12419	6 X
K11U42Y	18.3	0.15	K118R	350.421	170.204	211.830	4.157	0.09469	2.41918	2 X
K11U46B	18.5	0.15	K118R	338.432	198.708	190.082	3.262	0.24045	2.46432	3 X
K11U47S	16.2	0.15	K118R	131.933	17.857	240.880	4.892	0.01680	3.18750	7 X
K11U47Z	17.0	0.15	K118R	359.401	149.837	232.231	3.112	0.19841	2.77983	3 X
K11U48J	16.9	0.15	K118R	354.800	2.210	32.620	1.026	0.20345	3.18463	3 X
K11U49M	16.6	0.15	K118R	57.517	286.045	38.097	5.204	0.06868	2.77691	5 X
K11U49O	17.7	0.15	K118R	20.798	297.995	47.726	2.107	0.20214	2.36378	5 X
K11U50A	17.5	0.15	K118R	336.694	2.747	47.944	2.131	0.18474	2.34972	7 X
K11U50M	17.2	0.15	K118R	42.571	157.645	175.009	2.272	0.13780	2.64480	4 X
K11U50V	16.1	0.15	K118R	349.189	351.648	52.332	9.940	0.12708	3.05738	2 X
K11U51J	18.1	0.15	K118R	338.876	254.379	163.342	1.691	0.34390	2.62527	2 X
K11U51L	16.9	0.15	K118R	331.325	13.354	52.423	12.716	0.17202	2.64381	2 X
K11U51S	17.0	0.15	K118R	42.545	268.287	57.882	8.803	0.21309	2.93340	2 X
K11U51U	17.2	0.15	K118R	355.356	208.819	177.892	3.352	0.20360	2.57014	2 X
K11U52R	17.2	0.15	K118R	347.745	202.329	196.968	5.925	0.26924	2.60357	2 X
K11U53A	17.6	0.15	K118R	354.131	262.880	125.620	3.093	0.19009	2.39099	5 X
K11U53R	17.1	0.15	K118R	350.338	165.282	238.251	6.675	0.21879	2.79686	2 X
K11U54N	17.7	0.15	K118R	4.456	151.305	222.635	5.137	0.19021	2.28594	4 X
K11U54R	16.6	0.15	K118R	56.651	271.359	45.391	11.065	0.20474	2.55564	2 X
K11U55A	15.7	0.15	K118R	10.304	153.226	235.610	8.645	0.10482	3.02870	7 X
K11U55F	17.3	0.15	K118R	329.199	197.411	229.427	1.793	0.10926	2.31518	4 X
K11U55G	17.7	0.15	K118R	341.414	2.850	45.636	7.224	0.14989	2.20335	2 X
K11U55J	18.0	0.15	K118R	349.775	355.121	45.313	5.138	0.21442	2.42262	2 X
K11U55L	16.0	0.15	K118R	3.357	161.227	227.964	13.110	0.21701	2.98987	3 X
K11U55S	17.0	0.15	K118R	21.330	303.255	54.600	15.145	0.23809	2.69185	2 X
K11U56S	15.2	0.15	K118R	152.025	5.647	239.785	8.452	0.01472	3.11618	7 X
K11U59L	15.9	0.15	K118R	11.211	137.622	232.754	13.911	0.26211	3.04005	2 X
K11U59T	18.4	0.15	K118R	8.470	125.835	230.532	10.665	0.33480	2.52867	3 X
K11U59V	17.7	0.15	K118R	20.856	122.252	224.106	3.208	0.23546	2.31142	2 X
K11U59X	16.2	0.15	K118R	352.924	180.720	214.619	10.818	0.27813	3.07241	2 X
K11U61H	15.3	0.15	K118R	94.826	241.503	69.833	16.401	0.05875	3.20253	3 X
K11U72Z	18.0	0.15	K118R	62.734	92.976	208.733	2.587	0.18384	2.28504	4 X
K11U73C	16.1	0.15	K118R	18.265	141.652	227.354	8.853	0.10564	3.09147	4 X
K11U73V	17.2	0.15	K118R	11.829	239.657	130.242	0.702	0.14856	2.58406	3 X
K11U76J	15.7	0.15	K118R	349.238	157.521	242.044	9.621	0.22940	3.13205	3 X
K11U80J	14.9	0.15	K118R	309.956	222.759	227.405	17.054	0.09949	3.11276	7 X
K11U80S	16.1	0.15	K118R	336.783	187.765	230.363	7.487	0.02152	3.06927	4 X
K11U80T	18.1	0.15	K118R	359.704	158.542	222.927	6.182	0.12310	2.27893	7 X
K11U81B	18.1	0.15	K118R	15.757	148.785	208.750	2.033	0.20341	2.59429	3 X

K11U81F	19.1	0.15	K118R	1.582	191.256	183.617	1.166	0.19472	2.37513	2 X
K11U81M	17.1	0.15	K118R	285.358	58.128	55.168	4.632	0.08274	2.60533	6 X
K11U81Q	15.8	0.15	K118R	110.508	62.848	218.336	9.236	0.04290	3.07170	3 X
K11U82B	16.7	0.15	K118R	62.957	207.763	115.547	1.688	0.07209	2.78238	2 X
K11U82H	16.7	0.15	K118R	318.563	55.614	31.442	12.109	0.16263	2.67703	3 X
K11U82V	16.3	0.15	K118R	166.109	293.413	298.587	4.110	0.08981	3.10975	5 X
K11U83F	17.7	0.15	K118R	16.342	7.966	359.254	3.603	0.06462	2.22043	5 X
K11U83J	16.0	0.15	K118R	320.213	55.421	22.497	6.428	0.07513	2.62074	6 X
K11U83T	16.9	0.15	K118R	296.260	99.751	4.541	4.219	0.02133	2.79264	5 X
K11U84C	17.6	0.15	K118R	340.417	64.433	353.758	2.177	0.13210	2.65567	4 X
K11U84U	16.7	0.15	K118R	275.302	247.855	256.129	8.275	0.16823	2.63412	4 X
K11U86L	17.0	0.15	K118R	64.027	88.036	241.155	4.032	0.13148	2.75101	2 X
K11U86W	15.3	0.15	K118R	330.479	212.681	239.532	15.932	0.27287	3.12126	3 X
K11U87Q	16.6	0.15	K118R	346.114	353.296	64.133	6.572	0.11540	2.73197	7 X
K11U88W	15.8	0.15	K118R	9.762	151.989	242.593	7.973	0.08368	3.14189	4 X
K11U89O	16.9	0.15	K118R	18.381	340.040	26.648	4.622	0.19624	2.73047	4 X
K11U90L	16.8	0.15	K118R	301.983	229.463	230.046	25.864	0.18947	2.24859	2 X
K11U90U	17.1	0.15	K118R	41.582	278.688	28.087	7.812	0.13068	2.36626	6 X
K11U92R	17.0	0.15	K118R	54.953	318.481	354.979	1.248	0.08088	3.02404	5 X
K11U92U	18.0	0.15	K118R	270.284	260.871	213.110	4.562	0.10683	2.32001	4 X
K11U92X	17.2	0.15	K118R	43.967	100.167	209.291	11.340	0.19876	2.63295	2 X
K11U92Z	16.6	0.15	K118R	211.370	323.889	212.570	13.564	0.21434	2.45704	3 X
K11U93D	17.8	0.15	K118R	202.227	316.785	217.646	5.913	0.06996	2.36309	3 X
K11U94B	17.2	0.15	K118R	59.612	102.341	206.480	3.310	0.05044	2.64441	2 X
K11U94L	17.5	0.15	K118R	322.787	206.989	226.340	4.151	0.17786	2.32092	5 X
K11U94Z	16.1	0.15	K118R	276.124	266.227	206.349	9.859	0.09143	2.99647	3 X
K11U95D	16.0	0.15	K118R	34.147	296.161	36.491	4.716	0.10424	2.73396	6 X
K11U95X	16.7	0.15	K118R	8.114	305.106	59.376	1.088	0.08762	2.81167	7 X
K11U96L	16.6	0.15	K118R	168.532	174.231	34.642	0.318	0.03126	2.95501	6 X
K11U96X	16.8	0.15	K118R	304.911	228.655	211.897	9.501	0.08583	2.99416	3 X
K11U98W	17.2	0.15	K118R	288.467	228.804	237.656	13.872	0.10171	2.44626	4 X
K11U99B	15.4	0.15	K118R	308.780	218.680	238.815	14.212	0.15497	3.20896	3 X
K11U99D	17.2	0.15	K118R	350.848	66.930	334.255	4.645	0.15842	3.06983	3 X
K11U99L	16.3	0.15	K118R	359.422	358.880	32.628	9.676	0.14655	3.06750	3 X
K11U99R	17.7	0.15	K118R	316.293	214.480	229.019	10.450	0.15356	2.66919	3 X
K11U99U	18.2	0.15	K118R	339.549	189.547	226.749	16.171	0.18497	2.92581	3 X
K11UA1D	17.1	0.15	K118R	25.337	303.755	39.402	13.536	0.07281	2.58045	3 X
K11UA4N	17.5	0.15	K118R	25.006	117.891	215.081	2.474	0.19962	2.73865	2 X
K11UA6U	18.7	0.15	K118R	292.720	241.898	251.973	9.936	0.48141	1.82670	2 X
K11UA7E	15.7	0.15	K118R	352.337	347.140	36.485	13.862	0.16819	3.14512	4 X
K11UB2H	17.7	0.15	K118R	68.742	242.757	42.243	3.746	0.14812	2.23486	6 X
K11UB2P	17.2	0.15	K118R	271.861	286.869	214.035	5.284	0.17779	2.55707	4 X
K11UB3H	16.2	0.15	K118R	24.243	285.960	62.438	8.503	0.28824	3.04684	4 X
K11UB3L	17.3	0.15	K118R	15.430	295.220	68.598	6.646	0.18176	2.33404	5 X
K11UB4D	17.8	0.15	K118R	53.665	229.640	85.557	2.462	0.19136	2.41257	4 X
K11UB4K	17.0	0.15	K118R	7.949	315.402	56.671	11.081	0.22318	2.34102	2 X
K11UB7H	17.8	0.15	K118R	23.323	295.949	37.490	4.633	0.18192	2.32835	4 X
K11UB7K	16.2	0.15	K118R	9.275	318.627	43.256	6.270	0.15025	3.11169	4 X
K11UB7O	17.6	0.15	K118R	31.891	13.789	316.994	4.262	0.21794	2.23312	2 X
K11UB7P	17.8	0.15	K118R	333.960	163.724	261.606	4.638	0.30240	2.62203	2 X
K11UC0H	16.3	0.15	K118R	26.313	324.196	40.729	10.945	0.11048	3.09081	5 X
K11UC0O	16.6	0.15	K118R	333.537	8.097	44.510	9.982	0.23656	2.76951	2 X
K11UC1Z	16.2	0.15	K118R	45.010	273.882	60.855	5.872	0.15666	3.09541	6 X
K11UC3D	17.3	0.15	K118R	347.789	196.321	191.785	2.440	0.20043	2.70872	3 X
K11UC3G	17.0	0.15	K118R	240.847	95.545	42.736	3.505	0.02301	2.73780	3 X
K11UC7A	15.9	0.15	K118R	306.064	241.658	226.308	13.863	0.23729	2.63666	3 X
K11UC7G	15.4	0.15	K118R	1.049	186.258	208.651	9.443	0.04495	2.99915	7 X
K11UC8H	16.9	0.15	K118R	304.733	208.750	245.904	5.639	0.15044	2.35592	5 X
K11UD1W	15.9	0.15	K118R	295.232	232.544	234.810	16.563	0.14415	2.62725	2 X
K11UD3H	17.9	0.15	K118R	27.122	349.089	354.217	3.738	0.15964	2.08640	4 X
K11UD4L	16.4	0.15	K118R	77.371	258.913	47.420	8.308	0.07418	2.77023	5 X
K11UD8W	17.7	0.15	K118R	320.651	203.492	225.609	6.584	0.07639	2.43905	3 X

K11UE7F	16.8	0.15	K118R	349.039	6.606	38.171	9.584	0.23018	2.75378	4 X
K11UE8T	17.0	0.15	K118R	130.486	20.376	228.018	4.048	0.11184	2.34096	7 X
K11UE8V	17.4	0.15	K118R	28.611	104.373	237.335	1.773	0.20086	2.68046	4 X
K11UE8W	16.0	0.15	K118R	348.351	181.326	223.924	11.832	0.07021	3.15538	4 X
K11UE9J	16.1	0.15	K118R	26.025	137.220	211.109	11.312	0.18566	2.60099	2 X
K11UF0W	17.1	0.15	K118R	352.111	159.893	208.049	6.187	0.16542	2.43954	4 X
K11UF1C	17.4	0.15	K118R	144.229	196.406	42.207	6.238	0.09795	2.32769	6 X
K11UF3B	17.5	0.15	K118R	6.958	167.496	215.453	6.373	0.12289	2.31455	3 X
K11UF3K	15.7	0.15	K118R	335.626	198.555	233.810	9.148	0.07534	3.06352	4 X
K11UF4W	16.9	0.15	K118R	83.999	245.588	70.497	7.130	0.07483	2.90302	2 X
K11UF7F	17.6	0.15	K118R	345.344	207.854	203.062	2.832	0.26496	2.54317	3 X
K11UF9A	16.6	0.15	K118R	318.444	32.262	16.572	24.045	0.19378	2.41133	5 X
K11UF9T	17.4	0.15	K118R	318.075	39.775	44.061	9.676	0.35194	2.66684	3 X
K11UG1D	17.1	0.15	K118R	78.873	259.902	39.051	7.095	0.14307	2.28198	6 X
K11UG1K	15.8	0.15	K118R	340.404	22.782	38.489	11.341	0.09413	3.00193	2 X
K11UG1T	16.6	0.15	K118R	70.549	328.770	340.286	2.264	0.16073	2.61394	6 X
K11UG1V	18.1	0.15	K118R	343.713	74.026	336.576	1.596	0.17453	2.43144	2 X
K11UG2F	16.4	0.15	K118R	12.326	313.451	65.748	4.802	0.19027	2.78849	2 X
K11UG2X	16.8	0.15	K118R	20.940	310.301	41.721	7.616	0.16787	2.32685	6 X
K11UG3Y	16.6	0.15	K118R	343.515	34.082	25.693	5.295	0.14656	3.12589	4 X
K11UG4L	16.5	0.15	K118R	1.153	326.156	50.689	33.654	0.20128	2.60933	2 X
K11UH8A	17.2	0.15	K118R	329.289	322.892	102.235	2.245	0.15630	2.39043	5 X
K11UH8O	16.3	0.15	K118R	18.069	241.474	110.986	4.367	0.31194	3.07751	2 X
K11UI1M	16.1	0.15	K118R	339.019	32.367	26.843	12.195	0.18402	2.99115	2 X
K11UI2B	16.9	0.15	K118R	21.539	3.363	342.566	4.310	0.28218	2.59645	4 X
K11UI7M	15.6	0.15	K118R	19.891	118.849	237.602	13.145	0.11496	2.69902	2 X
K11UJ7C	15.7	0.15	K118R	61.443	290.833	34.002	16.235	0.10148	3.06201	5 X
K11UJ8C	17.8	0.15	K118R	317.457	160.840	283.077	4.415	0.19920	2.40811	2 X
K11UK3N	15.6	0.15	K118R	289.229	255.463	228.931	15.124	0.07441	3.09204	2 X
K11UL9R	16.5	0.15	K118R	38.978	273.682	57.308	4.080	0.06595	2.79874	3 X
K11UM4A	17.3	0.15	K118R	36.721	278.329	46.698	2.807	0.13311	2.68126	6 X
K11UN8Y	18.5	0.15	K118R	318.822	33.677	46.016	15.614	0.08929	2.52550	2 X
K11UN9K	16.7	0.15	K118R	44.177	295.475	47.158	14.438	0.13781	3.12687	2 X
K11UO0G	17.4	0.15	K118R	2.021	8.529	5.259	2.350	0.24053	2.61880	5 X
K11UO1F	17.5	0.15	K118R	4.578	140.576	222.263	3.574	0.12303	2.31769	6 X
K11UO1V	16.1	0.15	K118R	48.121	286.337	47.784	11.989	0.18607	3.12342	5 X
K11UO2O	17.9	0.15	K118R	347.570	175.509	237.065	9.946	0.29421	3.05493	2 X
K11UP1Z	17.4	0.15	K118R	3.910	265.530	118.300	3.160	0.17184	2.31320	5 X
K11UP7Q	16.7	0.15	K118R	167.204	11.883	212.708	4.089	0.02637	2.79415	6 X
K11UP8K	18.1	0.15	K118R	332.234	206.441	224.816	6.565	0.28993	2.74994	2 X
K11UP9D	17.1	0.15	K118R	22.056	343.668	21.742	6.418	0.09914	2.67512	4 X
K11UQ1D	17.4	0.15	K118R	313.364	198.900	235.268	19.049	0.07592	1.90907	3 X
K11UQ7O	17.8	0.15	K118R	7.421	34.115	337.330	3.379	0.18038	2.34996	4 X
K11UQ7W	16.7	0.15	K118R	308.368	8.354	85.870	6.143	0.17723	2.63136	2 X
K11UQ8A	16.7	0.15	K118R	359.774	304.866	77.609	6.754	0.11018	2.36042	7 X
K11UQ9T	16.7	0.15	K118R	0.459	311.680	60.078	2.409	0.28034	2.61895	3 X
K11US1E	16.8	0.15	K118R	336.710	295.506	117.508	4.952	0.17565	2.33838	5 X
K11UT2R	17.4	0.15	K118R	33.293	110.103	202.425	15.067	0.17152	2.52706	2 X
K11UT6V	15.8	0.15	K118R	34.702	299.276	46.604	23.826	0.12475	3.13158	3 X
K11UT6W	18.0	0.15	K118R	354.557	175.653	203.786	3.615	0.25984	2.31854	3 X
K11UT8N	18.0	0.15	K118R	320.657	77.648	9.259	5.829	0.23926	2.61617	4 X
K11UT9L	18.6	0.15	K118R	306.342	291.593	163.819	1.179	0.15425	2.38430	3 X
K11UU2E	15.7	0.15	K118R	8.812	341.924	35.525	18.164	0.18150	3.06709	4 X
K11UV2L	16.2	0.15	K118R	83.025	233.108	34.047	16.806	0.22671	2.77702	2 X
K11UW2U	15.4	0.15	K118R	321.563	215.327	225.526	15.685	0.19565	3.11597	2 X
K11UX5Y	15.3	0.15	K118R	346.006	185.811	213.938	8.107	0.20534	3.95051	3 X
K11UY3C	16.2	0.15	K118R	20.296	136.040	231.395	8.336	0.17243	3.07809	3 X
K11UZ9S	15.9	0.15	K118R	4.238	160.510	242.980	3.758	0.10837	3.21017	2 X
K11Ub4D	17.2	0.15	K118R	20.792	305.293	48.839	9.704	0.18090	2.57681	2 X
K11Ub7H	18.2	0.15	K118R	347.052	81.484	318.268	1.725	0.20961	2.29797	2 X
K11Uc3T	16.9	0.15	K118R	49.650	13.342	316.988	4.485	0.13429	2.57314	2 X
K11Uc9Q	16.2	0.15	K118R	121.733	25.615	240.911	3.325	0.01120	2.79746	4 X

K11Ud8B	15.8	0.15	K118R	350.836	154.028	244.826	7.814	0.16055	3.08906	2 X
K11Ue1B	16.6	0.15	K118R	107.396	45.300	225.668	11.583	0.17481	2.79306	4 X
K11Ue1C	16.1	0.15	K118R	15.264	180.922	183.514	13.441	0.16639	2.99783	2 X
K11Ue1H	17.9	0.15	K118R	20.087	112.297	215.971	11.980	0.29428	2.58104	2 X
K11Ue1T	16.3	0.15	K118R	48.823	288.011	46.128	11.464	0.09330	3.05559	2 X
K11Ue1V	17.8	0.15	K118R	320.162	208.244	225.554	5.854	0.14205	2.38905	2 X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc C
K11L19C	18.9	0.15	K118R	353.619	139.076	219.531	10.452	0.73083	3.21017	166 X
K11N00K	17.4	0.15	K118R	357.773	27.924	350.659	5.055	0.33259	2.57631	145 X
K11N00Y	20.7	0.15	K118R	2.044	87.425	247.503	7.980	0.55673	2.27936	140 X
K11P00T	24.1	0.15	K118R	337.123	296.642	72.796	2.188	0.21567	1.31394	114 X
K11Q14D	18.4	0.15	K118R	353.753	134.053	229.292	5.790	0.44423	2.60355	91 X
K11Q21F	18.1	0.15	K118R	348.549	342.829	17.565	7.217	0.30611	2.26267	90 X
K11Q32B	18.1	0.15	K118R	339.789	5.509	11.108	6.136	0.23157	2.35759	90 X
K11R11Q	18.0	0.15	K118R	352.759	55.778	306.843	1.229	0.24124	2.40827	149 X
K11R17C	15.2	0.15	K118R	356.383	194.084	212.872	11.316	0.53979	6.34297	82 X
K11S69R	20.0	0.15	K118R	333.794	206.761	227.468	5.838	0.54894	2.40980	60 X
K11SP6B	16.3	0.15	K118R	28.972	6.026	313.806	8.065	0.08612	2.99273	144 S
K11T04C	20.1	0.15	K118R	287.539	309.019	201.028	3.124	0.71984	1.49189	52 X
K11T09N	21.4	0.15	K118R	347.456	162.903	199.283	4.097	0.45053	1.89690	39 X
K11U20Y	17.3	0.15	K118R	347.614	222.702	179.088	11.482	0.32439	2.59513	143 X
K11U21L	15.6	0.15	K118R	320.026	284.771	275.608	34.848	0.65323	2.12249	30 X
K11U63S	17.9	0.15	K118R	330.088	242.127	251.163	20.573	0.77717	3.03228	32 X
K11UB5A	24.7	0.15	K118R	335.070	250.647	193.094	0.629	0.62197	2.57640	23 X
K11UE7L	21.8	0.15	K118R	329.814	199.022	231.872	4.661	0.47230	2.29114	23 X
K11UE7M	18.8	0.15	K118R	17.820	63.030	250.408	6.466	0.53189	2.66327	31 X
K11UF8V	22.1	0.15	K118R	302.837	118.492	6.399	5.621	0.49627	1.80983	27 X
K11UF8W	19.4	0.15	K118R	38.429	8.542	286.316	4.649	0.37478	1.61693	23 X
K11UP5Z	23.4	0.15	K118R	353.293	124.782	213.770	3.448	0.57932	2.03863	24 X
K11UP6E	19.4	0.15	K118R	320.719	123.612	37.336	11.623	0.80696	2.66149	24 X
K11UP6G	20.4	0.15	K118R	357.052	132.719	222.769	26.202	0.35128	1.96130	22 X
K11UR5Z	23.5	0.15	K118R	310.805	352.067	52.058	8.508	0.18742	1.28658	23 X
K11V05H	21.3	0.15	K118R	231.159	160.699	10.463	8.023	0.41705	1.32086	21 X
K11V05R	18.2	0.15	K118R	288.481	231.623	281.738	12.211	0.52409	2.50186	20 X
K11V09F	23.0	0.15	K118R	319.822	12.674	52.655	23.080	0.31795	1.75706	9 X
K11V09G	22.3	0.15	K118R	355.653	65.651	236.334	1.270	0.77694	2.30313	8 X
K11V12P	21.1	0.15	K118R	333.444	159.659	238.132	8.390	0.45551	1.99621	7 X
K11W00A	21.6	0.15	K118R	32.889	206.194	51.552	30.452	0.28585	0.84493	7 X
K11W00C	22.7	0.15	K118R	248.804	244.772	226.174	9.448	0.09886	1.20433	8 X
K11W00D	25.9	0.15	K118R	291.772	207.883	234.155	5.686	0.22887	1.36104	7 X
K11W02L	20.8	0.15	K118R	7.529	88.911	212.983	14.145	0.28378	1.07887	8 X
K11W02M	20.2	0.15	K118R	336.813	315.240	57.546	15.896	0.28880	1.56179	7 X
K11W02N	25.2	0.15	K118R	332.348	208.459	232.686	5.476	0.59344	2.41321	7 X
K11W02Q	26.1	0.15	K118R	343.005	336.913	53.118	3.839	0.58518	2.36645	6 X
K11W02R	25.3	0.15	K118R	221.783	292.636	233.617	12.543	0.39341	1.08269	7 X
K11W04O	19.2	0.15	K118R	302.595	235.434	225.119	61.207	0.50304	1.76327	6 X
K11W04P	27.2	0.15	K118R	273.604	260.884	230.745	1.177	0.41383	1.35935	5 X
K11W04U	22.5	0.15	K118R	310.105	86.134	31.296	6.248	0.51753	1.92927	6 X
K11W04V	22.7	0.15	K118R	353.088	277.977	46.698	11.808	0.29910	1.18916	6 X
K11W05K	23.6	0.15	K118R	327.942	184.305	253.362	5.884	0.51489	2.19614	4 X
K11W15H	20.1	0.15	K118R	297.278	151.710	32.123	21.946	0.72674	2.12167	5 K
K11W15J	25.2	0.15	K118R	348.456	260.306	58.900	14.842	0.78959	2.31600	1 X
K11W15K	19.5	0.15	K118R	249.342	72.073	103.733	7.575	0.47366	1.84887	2 K
K11W15L	20.1	0.15	K118R	104.309	171.130	72.882	18.476	0.28495	1.35227	1 K
K11W15N	19.7	0.15	K118R	323.996	218.392	75.607	33.385	0.85673	1.20918	1 K

New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc C
K02TA4E	14.7	0.15	K029N	59.564	321.295	337.467	7.467	0.10125	3.07841	10 X
K02TB2E	16.9	0.15	K0293	347.228	354.568	7.464	19.085	0.07736	1.95949	80 X

K02TD0E	15.9	0.15	K029N	17.868	195.566	137.014	9.001	0.23339	2.78122	47	X
K02TH0E	16.0	0.15	K02AD	357.302	128.116	252.372	10.853	0.29758	3.10716	80	X
K11R04L	16.8	0.15	K11A6	318.291	49.414	15.000	15.918	0.16006	3.08537	77	X
K11R04U	19.4	0.15	K11A6	351.638	331.370	52.659	3.702	0.22441	2.25745	77	X
K11R11E	16.8	0.15	K11A6	359.723	166.778	203.930	17.880	0.18933	3.12863	80	X
K11R12O	18.7	0.15	K11A6	354.267	40.349	337.598	1.561	0.19830	2.37414	80	X
K11R18A	18.4	0.15	K11A6	4.981	150.240	213.280	5.848	0.12609	2.30233	80	X
K11S30A	17.2	0.15	K11A6	342.841	21.181	33.125	13.538	0.17987	2.66335	59	X
K11S32F	16.9	0.15	K11A6	356.286	176.589	211.892	10.360	0.25849	2.63132	63	W
K11S36V	18.8	0.15	K11A6	332.400	22.440	38.598	6.322	0.20327	2.28654	64	X
K11S57N	17.8	0.15	K11A6	340.734	226.013	213.687	11.200	0.31020	3.10243	60	W
K11S84E	18.0	0.15	K11A6	343.601	26.129	6.386	3.743	0.17237	2.28784	75	X
K11S89J	18.4	0.15	K11A6	0.129	146.160	230.996	2.976	0.33624	2.61044	62	X
K11SA3L	17.9	0.15	K11A6	13.635	330.451	16.832	5.223	0.22225	2.40280	76	X
K11SA3U	16.8	0.15	K11A6	308.668	244.565	214.434	12.237	0.22624	2.67356	61	X
K11SA7K	16.5	0.15	K11A6	39.399	316.329	40.730	12.443	0.11360	2.61476	60	X
K11SB2X	17.9	0.15	K11A6	34.579	289.879	42.526	7.194	0.17940	2.25740	65	X
K11SC8U	17.2	0.15	K11A6	16.971	328.742	31.505	12.455	0.11781	3.11579	64	X
K11SC8Y	18.0	0.15	K11A6	332.882	26.080	33.595	6.546	0.18516	2.43812	64	X
K11SD7Q	18.8	0.15	K11A6	337.322	162.233	241.884	1.672	0.19309	2.34698	80	X
K11SE4R	17.2	0.15	K11A6	33.534	301.936	20.488	8.686	0.19128	2.77048	58	X
K11SG5A	17.4	0.15	K11A6	28.394	258.131	84.988	1.961	0.18105	3.08176	61	X
K11SG5E	17.6	0.15	K11A6	12.202	331.737	33.657	6.934	0.13134	2.34336	64	X
K11SG7B	16.8	0.15	K11A6	343.839	32.389	25.459	14.312	0.10707	2.68859	54	X
K11SI0E	16.7	0.15	K11A6	51.706	113.988	212.031	6.274	0.05572	2.72163	58	X
K11SJ4X	16.8	0.15	K11AQ	18.118	265.051	93.841	14.267	0.31319	3.16573	54	W
K11SK9D	16.0	0.15	K11A6	16.923	319.227	38.563	15.335	0.21263	3.05542	64	W
K11SL6P	17.8	0.15	K11A6	12.968	329.390	24.723	3.711	0.14262	2.41664	76	X
K11SN0E	16.8	0.15	K11A6	328.596	23.010	37.449	3.032	0.22385	2.70375	76	X
K11SN3Z	16.9	0.15	K11AQ	315.272	231.882	218.694	9.995	0.18015	2.70177	55	X
K11SO1V	18.0	0.15	K11A6	336.842	28.518	16.377	5.412	0.22656	2.43137	63	X
K11SO6N	16.9	0.15	K11A6	357.165	205.518	191.944	13.437	0.24852	2.59595	63	W
K11SO9N	16.9	0.15	K11A6	26.888	295.964	48.707	15.939	0.19497	2.65501	60	W
K11SO9T	17.4	0.15	K11A6	350.971	264.074	150.124	10.758	0.37638	2.76182	61	W
K11SP8R	18.9	0.15	K11A6	327.135	39.910	38.908	12.610	0.29056	2.63147	61	X
K11SP9T	17.9	0.15	K11AQ	10.398	324.455	48.191	6.481	0.24022	2.43377	56	X
K11SQ0G	16.2	0.15	K11AQ	214.802	328.522	231.534	26.935	0.11560	3.19047	55	X
K11SQ0H	16.9	0.15	K11AQ	274.054	278.518	227.680	12.381	0.12736	2.62844	55	X
K11SQ0W	19.0	0.15	K11A6	349.858	0.314	37.975	5.809	0.29030	2.60340	64	X
K11SQ0Z	17.3	0.15	K11A6	103.319	231.228	45.231	4.922	0.05017	2.37230	64	X
K11T05O	18.7	0.15	K11AQ	0.802	146.169	252.815	6.627	0.42838	2.64883	50	W
K11T05U	16.7	0.15	K11AQ	10.972	186.053	202.936	7.766	0.14387	2.74986	50	W
K11T09J	16.9	0.15	K11A6	331.548	208.309	213.359	14.294	0.17707	2.71518	61	X
K11T09K	18.5	0.15	K11A6	352.333	350.463	42.101	5.583	0.29496	2.41394	61	X
K11T15S	17.0	0.15	K11A6	332.526	33.392	21.532	13.927	0.25939	2.69488	63	W
K11U05V	16.8	0.15	K11AQ	352.457	208.077	206.100	3.136	0.11808	2.61239	36	W
K11U06F	18.5	0.15	K11A6	351.482	186.727	221.270	2.089	0.19212	2.40249	61	X
K11U06T	17.6	0.15	K11AQ	356.340	186.192	222.535	8.670	0.21131	2.58974	36	W
K11U06X	18.0	0.15	K11AQ	359.765	177.188	227.541	1.860	0.15677	2.78119	36	X
K11U07J	18.4	0.15	K11AQ	358.621	185.838	218.311	13.835	0.24605	2.63466	48	W
K11U07O	18.1	0.15	K11AQ	29.806	189.271	161.146	0.521	0.27533	2.55304	36	X
K11U07S	17.5	0.15	K11AQ	50.330	117.965	228.235	5.349	0.08178	2.70040	36	X
K11U08D	17.3	0.15	K11AQ	107.145	59.254	226.905	10.069	0.11464	2.61275	36	X
K11U08W	17.7	0.15	K11AQ	349.520	199.144	220.694	7.369	0.18925	2.31443	36	W
K11U09H	16.5	0.15	K11AQ	6.448	348.810	44.075	15.489	0.27867	3.08872	36	W
K11U09L	17.1	0.15	K11AQ	14.480	332.508	48.094	8.927	0.23619	2.77434	36	W
K11U09P	16.7	0.15	K11AQ	24.702	184.155	185.385	0.452	0.20056	3.16269	36	X
K11U09S	16.3	0.15	K11AQ	12.462	168.942	221.540	3.913	0.13795	3.12320	36	X
K11U12H	17.4	0.15	K11A6	357.451	332.479	47.473	6.037	0.24212	2.40656	64	W
K11U16L	15.9	0.15	K11AQ	256.757	284.332	230.952	9.737	0.04773	3.06531	36	X
K11U16S	16.7	0.15	K11AQ	344.320	20.439	49.407	4.232	0.18196	2.74442	36	X
K11U19X	17.0	0.15	K11A6	350.944	203.536	213.068	12.572	0.31047	3.05718	59	W

K11U24K	17.0	0.15	K11AQ	12.491	157.783	222.070	12.475	0.18447	2.60440	37	W
K11U25W	17.7	0.15	K11A6	2.848	338.684	46.380	3.236	0.22615	2.40165	61	W
K11U26B	17.1	0.15	K11AQ	8.030	343.238	46.254	6.749	0.11069	2.36552	37	W
K11U26E	18.4	0.15	K11AQ	0.692	343.964	54.421	4.408	0.17499	2.33890	37	X
K11U26J	15.1	0.15	K11AQ	17.213	186.796	191.954	3.489	0.18172	4.04406	37	W
K11U26M	18.6	0.15	K11AQ	33.568	283.522	67.311	2.241	0.20140	2.36150	37	X
K11U27D	18.0	0.15	K11A6	347.688	349.554	60.446	3.829	0.22334	2.44792	61	W
K11U27Q	17.3	0.15	K11AQ	13.932	332.351	49.119	12.825	0.15189	2.70415	37	X
K11U28B	16.4	0.15	K11AQ	351.305	175.576	243.152	12.330	0.26962	3.08622	37	W
K11U28E	18.3	0.15	K11AQ	25.861	71.419	292.858	4.368	0.18958	2.29739	37	W
K11U28X	17.2	0.15	K11AQ	348.856	41.983	17.359	7.317	0.17951	2.60423	37	W
K11U30G	15.8	0.15	K11A6	5.620	178.615	220.749	10.440	0.10096	3.05953	61	X
K11U30O	16.8	0.15	K11AQ	328.445	226.655	227.806	15.133	0.16551	3.09550	57	X
K11U31A	16.9	0.15	K11AQ	292.975	56.400	73.007	3.670	0.12848	2.71131	36	W
K11U31E	14.7	0.15	K11AQ	28.711	325.122	53.535	12.327	0.04038	3.10049	36	X
K11U33S	15.9	0.15	K11AQ	338.231	200.165	216.078	26.624	0.16319	3.20083	35	X
K11U35P	18.8	0.15	K11AQ	37.689	290.218	63.878	6.363	0.18911	2.31222	35	X
K11U37A	16.7	0.15	K11AQ	26.569	316.863	54.021	17.328	0.19896	3.08769	35	X
K11U37S	19.7	0.15	K11AQ	5.267	152.592	234.939	7.086	0.36327	2.55754	34	X
K11U38R	18.1	0.15	K11AQ	330.412	24.130	59.915	6.017	0.13354	2.41079	34	X
K11U39Q	16.9	0.15	K11AQ	359.138	161.796	236.421	12.923	0.33293	2.77033	49	X
K11U41G	16.9	0.15	K11A6	341.567	194.219	211.539	10.033	0.08135	3.09875	58	X
K11U41H	16.4	0.15	K11AQ	332.428	205.302	215.873	8.356	0.08510	3.17122	54	X
K11U41R	17.0	0.15	K11A6	102.916	244.664	25.409	10.737	0.09728	2.75150	63	X
K11U42Z	17.9	0.15	K11AQ	31.298	135.335	212.233	4.476	0.15039	2.71888	54	X
K11U45D	16.5	0.15	K11A6	336.239	200.100	215.910	18.873	0.13409	3.12120	61	X
K11U45W	17.9	0.15	K11A6	338.641	14.438	37.949	5.284	0.18684	2.36935	64	X
K11U47X	16.3	0.15	K11AQ	18.842	140.851	230.942	4.551	0.21412	3.08673	48	W
K11U47Y	18.1	0.15	K11AQ	14.977	150.918	227.475	4.857	0.16955	2.38539	36	X
K11U48A	17.4	0.15	K11AQ	358.582	175.971	226.683	7.407	0.14046	2.66645	36	X
K11U48C	16.7	0.15	K11AQ	344.245	197.595	225.950	12.766	0.15574	3.08010	36	X
K11U48F	17.2	0.15	K11AQ	20.865	147.791	227.002	7.961	0.13270	3.01657	36	X
K11U48G	17.1	0.15	K11AQ	340.160	33.941	30.961	2.866	0.07807	2.67568	36	X
K11U48M	15.6	0.15	K11AQ	281.357	258.965	227.886	9.252	0.03564	3.08755	36	W
K11U49J	16.9	0.15	K11AQ	89.727	88.949	220.653	5.218	0.02001	2.69284	36	X
K11U49R	16.5	0.15	K11AQ	353.649	202.412	207.854	2.384	0.07872	3.13946	36	X
K11U49S	18.9	0.15	K11A6	20.404	143.293	215.019	2.038	0.23206	2.32000	62	X
K11U49T	17.7	0.15	K11A6	22.155	316.101	43.223	1.932	0.19991	2.36164	62	X
K11U50J	17.0	0.15	K11AQ	13.648	327.533	59.351	5.815	0.08759	2.71435	36	X
K11U50R	17.2	0.15	K11AQ	340.920	0.575	64.658	4.406	0.06076	2.72786	36	X
K11U50S	17.4	0.15	K11AQ	40.964	295.868	48.138	14.833	0.19265	2.58192	36	X
K11U50Z	18.0	0.15	K11AQ	15.590	312.867	70.179	2.948	0.12467	2.45639	36	X
K11U51B	17.3	0.15	K11AQ	12.139	302.897	80.918	3.033	0.23914	3.03541	36	X
K11U51E	17.5	0.15	K11AQ	0.207	345.063	56.624	6.352	0.29014	2.64553	36	X
K11U51G	18.0	0.15	K11AQ	57.270	246.601	80.512	2.550	0.17993	2.37116	36	X
K11U51H	16.8	0.15	K11AQ	355.543	358.410	53.453	9.944	0.25441	3.03326	36	X
K11U51K	18.0	0.15	K11AQ	5.022	335.639	59.424	6.372	0.19634	2.37982	36	X
K11U52H	18.2	0.15	K11AQ	20.048	287.232	82.397	3.242	0.21982	2.34597	36	W
K11U52M	16.1	0.15	K11AQ	324.767	35.781	52.984	16.687	0.11523	3.14990	36	W
K11U52V	16.5	0.15	K11AQ	49.440	270.274	55.709	15.693	0.28403	3.13496	36	X
K11U54C	18.3	0.15	K11AQ	18.872	329.534	41.397	7.665	0.29472	2.62645	36	S
K11U54H	17.3	0.15	K11AQ	336.241	216.094	227.356	6.714	0.17079	2.67526	57	X
K11U55B	18.5	0.15	K11A6	340.797	29.235	40.150	3.412	0.21101	2.40033	61	X
K11U56H	18.0	0.15	K11AQ	340.618	56.283	20.530	4.988	0.23157	2.69901	36	X
K11U56P	16.8	0.15	K11AQ	9.928	156.854	236.823	6.975	0.13258	2.69559	36	X
K11U61M	16.9	0.15	K11AQ	290.728	264.872	229.697	13.565	0.06834	2.60873	33	W
K11U61R	16.9	0.15	K11AQ	4.128	211.791	200.583	4.267	0.12088	2.55800	33	X
K11U61V	16.4	0.15	K11AQ	5.539	342.585	69.221	12.197	0.12766	3.10774	33	X
K11U62O	16.8	0.15	K11AQ	346.341	194.698	227.777	13.013	0.21968	2.63954	33	W
K11U63O	18.0	0.15	K11AQ	17.072	294.589	73.948	20.965	0.24547	1.89611	32	W
K11U72K	17.9	0.15	K11AQ	342.526	199.114	228.397	4.453	0.17608	2.63645	36	X
K11U72O	16.7	0.15	K11AQ	331.642	28.448	50.367	5.223	0.09183	2.70589	36	X

K11U72S	16.7	0.15	K11AQ	37.501	303.421	44.034	16.629	0.23675	3.11655	36	W
K11U72T	17.4	0.15	K11AQ	346.590	195.281	225.209	5.021	0.09107	2.69501	36	X
K11U72W	18.7	0.15	K11AQ	118.263	236.248	43.202	2.236	0.06008	2.13880	36	X
K11U73B	18.1	0.15	K11AQ	11.750	338.810	44.815	1.154	0.22433	2.72903	36	X
K11U73J	18.5	0.15	K11AQ	17.982	313.899	63.209	2.305	0.19642	2.33408	36	X
K11U77P	18.6	0.15	K11AQ	21.285	139.060	235.336	11.185	0.11179	2.60822	35	X
K11U79G	16.3	0.15	K11AQ	312.470	238.812	226.298	26.059	0.16853	3.10095	35	X
K11U79Z	20.0	0.15	K11AQ	4.539	150.093	241.927	4.173	0.22706	2.32775	35	X
K11U80B	17.5	0.15	K11AQ	234.398	297.561	231.288	10.786	0.01420	2.60764	35	X
K11U80D	17.6	0.15	K11AQ	38.674	105.983	228.288	11.782	0.29254	2.70599	35	X
K11U80L	17.3	0.15	K11AQ	244.516	284.052	240.835	4.568	0.06722	2.58669	35	X
K11U80Q	17.2	0.15	K11AQ	13.475	154.913	227.187	2.197	0.19541	2.60778	35	X
K11U80V	15.9	0.15	K11AQ	43.271	304.756	44.539	12.843	0.15247	2.96318	35	W
K11U80Y	17.3	0.15	K11AQ	58.976	106.728	223.879	4.751	0.16101	2.80109	35	W
K11U81E	19.3	0.15	K11AQ	32.492	302.913	50.662	3.315	0.20387	2.46325	35	X
K11U81G	17.8	0.15	K11AQ	45.055	138.582	209.151	3.501	0.12146	2.77717	35	X
K11U81J	17.2	0.15	K11AQ	68.731	261.912	63.403	2.885	0.09435	2.87173	35	X
K11U81N	16.9	0.15	K11AQ	25.393	318.874	44.801	14.568	0.21558	2.66872	35	W
K11U81T	18.2	0.15	K11A6	6.119	184.311	199.682	1.749	0.21584	2.34098	61	X
K11U82C	16.2	0.15	K11AQ	208.377	312.901	256.722	10.771	0.14864	3.03850	35	X
K11U82G	18.7	0.15	K11AQ	313.948	189.796	281.660	4.175	0.18828	2.37859	35	X
K11U82P	17.1	0.15	K11AQ	25.653	114.738	257.371	6.524	0.17995	2.59171	35	X
K11U82S	15.9	0.15	K11AQ	354.239	19.451	40.407	17.679	0.17166	3.01384	57	X
K11U82T	16.2	0.15	K11AQ	30.481	121.181	255.055	8.817	0.09281	3.03553	35	W
K11U83E	17.4	0.15	K11AQ	3.548	23.098	20.521	6.001	0.14202	3.09863	35	X
K11U84B	17.9	0.15	K11AQ	22.425	351.532	25.445	5.292	0.18791	2.65307	35	X
K11U84O	17.2	0.15	K11AQ	338.823	49.456	27.093	6.966	0.10316	2.32945	35	X
K11U85J	18.0	0.15	K11AQ	52.340	300.771	28.601	5.648	0.25348	2.33181	57	X
K11U86N	15.9	0.15	K11AQ	31.939	317.240	66.257	10.922	0.08824	3.12209	34	W
K11U86P	17.2	0.15	K11AQ	332.093	34.634	62.756	5.048	0.20873	2.34497	34	W
K11U86R	16.5	0.15	K11AQ	60.967	116.028	227.109	2.442	0.15687	2.96281	34	X
K11U87T	17.4	0.15	K11AQ	341.377	19.209	59.792	6.290	0.14582	2.38786	33	X
K11U88Y	17.7	0.15	K11AQ	22.006	138.053	234.751	12.586	0.27975	2.64537	33	X
K11U89W	17.0	0.15	K11AQ	328.506	227.216	227.711	12.015	0.10593	2.34965	33	X
K11U91G	17.6	0.15	K11AQ	5.455	134.705	255.202	15.147	0.43728	2.65527	30	W
K11U93F	16.4	0.15	K11AQ	72.573	92.916	208.777	14.533	0.11589	3.08085	36	X
K11U93M	18.1	0.15	K11AQ	335.433	212.548	210.781	8.065	0.17545	2.67250	36	X
K11U93S	17.3	0.15	K11A6	337.521	203.173	211.103	0.658	0.17015	3.10097	63	X
K11U93T	16.7	0.15	K11AQ	65.200	99.535	207.354	5.574	0.13719	3.06403	56	X
K11U93W	16.8	0.15	K11A6	347.941	353.205	45.684	0.183	0.13276	3.18274	63	X
K11U94D	18.3	0.15	K11AQ	1.341	100.236	303.134	1.345	0.21790	2.30420	36	X
K11U94Q	17.3	0.15	K11AQ	320.319	52.067	35.931	20.202	0.22861	3.19701	35	X
K11U95B	18.2	0.15	K11AQ	307.438	58.208	37.447	3.117	0.13437	2.38233	35	X
K11U95E	17.2	0.15	K11AQ	54.616	280.614	47.500	2.745	0.06731	2.89090	35	X
K11U95F	17.0	0.15	K11AQ	67.096	278.387	37.101	4.857	0.06249	2.81435	35	X
K11U95T	16.9	0.15	K11AQ	356.173	2.241	30.740	6.196	0.04326	2.77771	35	X
K11U96Z	17.6	0.15	K11AQ	23.979	324.485	39.437	6.388	0.04921	2.68662	56	X
K11U99G	17.5	0.15	K11AQ	23.576	130.835	236.058	9.773	0.20204	2.63495	34	W
K11U99H	18.8	0.15	K11AQ	358.661	172.959	230.090	8.890	0.19777	2.32075	34	X
K11U99T	16.2	0.15	K11AQ	11.351	156.467	233.332	10.545	0.11343	3.04609	34	X
K11U99V	17.8	0.15	K11AQ	9.737	156.047	231.791	7.047	0.19872	2.58322	34	X
K11U99W	18.0	0.15	K11AQ	1.049	164.646	237.066	3.873	0.17445	2.69962	34	X
K11UA0K	18.4	0.15	K11A6	4.823	338.258	36.108	14.315	0.20181	2.62588	61	X
K11UA1Q	16.9	0.15	K11AQ	6.563	202.419	193.891	6.186	0.22763	2.62849	34	W
K11UA1Y	16.2	0.15	K11AQ	13.525	355.900	32.622	9.225	0.14516	3.11576	34	W
K11UA3L	16.1	0.15	K11AQ	350.455	170.141	256.820	10.057	0.11223	3.07730	34	X
K11UA4D	18.6	0.15	K11AQ	351.201	183.829	229.162	20.247	0.06953	1.90736	33	W
K11UA4G	16.4	0.15	K11AQ	339.662	223.736	230.796	29.568	0.40841	3.98250	37	W
K11UA4R	18.1	0.15	K11AQ	311.974	88.093	3.044	1.425	0.14788	2.37523	36	X
K11UA6M	18.3	0.15	K11AQ	345.158	192.861	224.615	19.087	0.09895	1.96907	31	W
K11UA8A	17.3	0.15	K11AQ	15.034	71.694	306.551	4.410	0.30132	2.58477	32	X
K11UA9R	16.8	0.15	K11AQ	32.378	282.899	67.465	29.727	0.33344	2.60798	31	X

K11UB1T	15.9	0.15	K11AQ	289.974	237.033	247.426	13.581	0.07652	2.71516	32	W
K11UB2M	17.2	0.15	K11A6	21.541	148.780	215.319	8.154	0.22551	2.61064	60	W
K11UB3K	16.7	0.15	K11AQ	0.817	183.126	226.865	21.440	0.02079	2.59408	57	X
K11UB3N	16.3	0.15	K11AQ	8.550	336.193	55.255	10.402	0.25028	3.07128	34	X
K11UB7M	18.7	0.15	K11A6	32.997	287.594	38.512	5.160	0.25164	2.28660	64	X
K11UB8U	18.3	0.15	K11AQ	315.251	242.933	206.612	2.675	0.16851	2.27395	36	X
K11UB8Y	17.9	0.15	K11A6	325.600	200.958	229.960	1.912	0.18354	2.46131	58	X
K11UB9X	18.5	0.15	K11AQ	20.507	143.686	230.351	4.011	0.17807	2.32393	36	X
K11UB9Y	16.1	0.15	K11AQ	335.743	36.679	42.879	28.579	0.17085	3.12132	36	W
K11UC0B	16.7	0.15	K11AQ	350.681	19.688	42.815	16.132	0.27380	3.15486	36	W
K11UC3R	17.2	0.15	K11AQ	335.022	46.899	17.359	0.768	0.16584	3.13901	35	X
K11UC6T	17.3	0.15	K11AQ	310.131	228.362	243.703	4.527	0.17698	2.38070	34	W
K11UC7M	16.5	0.15	K11AQ	322.818	31.657	70.236	9.024	0.18478	2.75807	34	X
K11UC7O	17.2	0.15	K11AQ	28.797	282.663	75.042	5.684	0.26452	2.39359	34	X
K11UC7R	15.8	0.15	K11AQ	15.091	324.135	62.162	15.087	0.15893	3.03336	34	X
K11UC7S	17.4	0.15	K11AQ	4.909	333.091	65.549	8.884	0.15853	2.41147	34	X
K11UC8T	17.5	0.15	K11AQ	24.448	115.441	251.674	11.449	0.28528	2.69859	34	X
K11UC9L	16.1	0.15	K11AQ	195.502	348.981	204.245	9.506	0.01650	3.14704	36	X
K11UC9R	18.7	0.15	K11AQ	16.503	341.056	41.584	4.462	0.25165	2.29573	34	X
K11UD0E	17.0	0.15	K11A6	66.325	257.650	44.540	5.659	0.15085	2.74833	64	X
K11UD0K	17.0	0.15	K11A6	31.886	303.405	38.873	11.925	0.15207	3.06817	64	X
K11UD1E	15.4	0.15	K11AQ	18.754	160.443	227.266	21.588	0.08043	3.06246	57	W
K11UD1F	17.2	0.15	K11AQ	350.904	185.466	230.577	13.596	0.22867	2.63525	35	X
K11UD1V	18.0	0.15	K11AQ	22.387	25.376	341.411	5.568	0.22455	2.58889	32	X
K11UD2M	19.0	0.15	K11AQ	358.262	124.481	280.131	4.067	0.17567	2.30909	37	W
K11UD2T	17.7	0.15	K11AQ	335.608	183.199	250.657	1.813	0.17620	2.43526	32	W
K11UD2V	17.1	0.15	K11AQ	56.750	110.571	234.527	5.457	0.01446	2.74883	32	X
K11UD2X	16.5	0.15	K11AQ	334.886	224.720	228.519	13.819	0.27788	3.07357	36	X
K11UD3M	18.7	0.15	K11A6	355.861	30.076	14.170	3.671	0.25054	2.57185	60	X
K11UD6K	16.4	0.15	K11AQ	12.554	149.164	237.665	9.501	0.15353	3.07388	34	W
K11UD7R	16.6	0.15	K11AQ	5.673	15.154	26.980	10.892	0.05325	2.99152	33	X
K11UE0E	17.1	0.15	K11AQ	80.761	61.603	244.455	4.316	0.13430	2.53548	48	X
K11UE0O	16.6	0.15	K11AQ	327.025	221.873	236.696	15.348	0.23403	3.07348	31	X
K11UE0P	17.0	0.15	K11AQ	31.887	348.342	24.003	6.317	0.05506	2.72524	57	X
K11UE1R	17.6	0.15	K11AQ	298.491	96.998	21.882	5.418	0.05738	2.61187	31	X
K11UE1S	16.1	0.15	K11AQ	167.079	319.900	284.951	3.557	0.11042	3.11254	35	X
K11UE2N	16.6	0.15	K11AQ	254.281	269.964	255.960	8.923	0.05537	3.01280	31	X
K11UE2R	17.6	0.15	K11AQ	338.053	165.188	282.531	3.054	0.25248	2.70188	31	X
K11UE4R	17.1	0.15	K11AQ	89.571	34.058	272.072	5.706	0.13389	2.28963	30	X
K11UE5Y	13.5	0.15	K11AQ	311.619	73.469	51.665	12.497	0.10418	5.22096	30	W
K11UE6V	15.8	0.15	K11AQ	178.303	358.436	245.765	11.244	0.11359	2.73533	30	X
K11UE7C	16.0	0.15	K11AQ	234.448	233.851	323.841	3.901	0.23873	2.92687	30	X
K11UE7D	17.4	0.15	K11AQ	338.299	54.454	20.260	5.513	0.04934	2.70637	57	X
K11UE7E	17.1	0.15	K11AQ	64.475	23.767	308.682	3.834	0.14120	3.17304	30	X
K11UE7Y	16.6	0.15	K11AQ	21.889	139.624	227.734	10.560	0.18964	2.61871	57	W
K11UE7Z	18.0	0.15	K11AQ	348.701	193.668	224.649	12.982	0.23184	2.61519	35	W
K11UE8E	16.7	0.15	K11AQ	2.042	350.744	48.124	6.291	0.15172	3.04101	33	X
K11UE8R	16.8	0.15	K11AQ	337.588	214.346	225.427	7.412	0.26614	3.08494	32	X
K11UE8U	16.8	0.15	K11AQ	15.423	157.529	227.770	12.757	0.08573	3.04856	32	X
K11UE9G	16.8	0.15	K11AQ	28.223	214.249	139.939	2.190	0.28528	3.07937	32	W
K11UE9L	18.2	0.15	K11AQ	16.934	312.404	57.889	6.041	0.27794	2.59142	32	W
K11UF1B	17.9	0.15	K11A6	348.397	10.972	39.252	3.259	0.21511	2.37860	62	X
K11UF1N	17.9	0.15	K11AQ	23.420	175.491	193.916	10.095	0.21050	2.37521	32	X
K11UG0V	16.3	0.15	K11AQ	347.125	195.286	240.622	5.989	0.15951	3.12991	33	X
K11UG0X	16.9	0.15	K11AQ	44.893	299.337	46.772	5.362	0.23025	2.56682	33	X
K11UG1E	17.7	0.15	K11AQ	13.925	131.449	257.620	5.580	0.14456	2.30962	31	W
K11UG1G	17.7	0.15	K11A6	4.759	201.171	185.732	0.942	0.19582	2.43423	61	X
K11UG1J	18.2	0.15	K11AQ	24.231	346.814	27.087	6.202	0.14095	2.35032	57	X
K11UG1R	17.4	0.15	K11AQ	6.098	135.096	268.921	4.836	0.15060	2.60800	31	X
K11UG1X	17.9	0.15	K11A6	36.554	311.230	40.747	6.053	0.18458	2.28733	60	X
K11UG2Z	16.0	0.15	K11AQ	43.572	6.887	346.269	3.662	0.14036	3.01177	35	W
K11UG3C	17.7	0.15	K11AQ	348.591	176.671	250.067	3.897	0.27327	2.62404	30	X

K11UG3K	17.6	0.15	K11AQ	296.275	216.575	265.779	5.657	0.07321	2.37287	35	X
K11UG3P	17.8	0.15	K11AQ	73.662	327.750	2.582	2.056	0.05383	2.13072	29	X
K11UG3S	18.8	0.15	K11AQ	29.554	50.585	315.431	1.952	0.19816	2.37546	29	X
K11UG3T	18.4	0.15	K11A6	14.369	345.819	32.916	5.097	0.20040	2.36266	61	X
K11UG3V	18.0	0.15	K11AQ	338.730	206.523	238.538	4.592	0.18217	2.41196	31	W
K11UG7W	17.0	0.15	K11AQ	350.555	11.045	45.776	2.266	0.21646	3.04027	36	X
K11UG9K	17.4	0.15	K11AQ	308.430	47.168	45.527	21.847	0.09140	2.00111	27	W
K11UH2T	16.1	0.15	K11A6	356.557	172.678	221.825	33.355	0.18801	2.62307	61	W
K11UH6Z	17.5	0.15	K11AQ	2.846	165.593	234.753	8.354	0.09082	3.05531	30	X
K11UH7H	18.2	0.15	K11AQ	40.523	116.566	235.087	6.222	0.12885	2.28518	34	X
K11UH7T	16.7	0.15	K11AQ	13.115	214.434	170.592	2.855	0.19537	2.59822	30	W
K11UH8K	17.9	0.15	K11AQ	20.125	231.136	145.172	2.993	0.24638	3.00578	34	X
K11UI0P	17.8	0.15	K11AQ	336.783	205.981	230.067	17.558	0.17468	3.14797	30	X
K11UI0Z	19.5	0.15	K11AQ	0.253	173.050	228.111	13.109	0.24638	2.67903	34	X
K11UI1J	16.6	0.15	K11AQ	21.883	149.074	230.266	27.934	0.05486	2.64555	30	W
K11UI2W	16.2	0.15	K11AQ	71.109	299.098	39.015	14.503	0.03693	2.62310	29	X
K11UI9B	17.4	0.15	K11AQ	4.747	12.087	24.152	7.301	0.24689	2.62987	34	W
K11UJ0F	17.4	0.15	K11AQ	6.172	349.442	41.243	8.564	0.22387	2.39079	49	X
K11UJ1N	18.0	0.15	K11AQ	345.735	197.458	219.020	12.464	0.28048	2.62891	38	W
K11UJ1R	16.4	0.15	K11AQ	12.690	143.246	235.916	7.193	0.18214	2.78679	36	X
K11UJ1Z	18.6	0.15	K11AQ	26.495	355.754	4.308	7.684	0.22838	2.70511	32	X
K11UJ2R	16.6	0.15	K11AQ	52.317	209.947	115.133	0.065	0.19196	3.10697	27	S
K11UJ3X	17.7	0.15	K11AQ	358.281	249.426	156.697	12.045	0.30385	2.64237	34	W
K11UJ3Y	17.7	0.15	K11A6	338.817	1.676	53.436	22.907	0.08026	1.89211	61	W
K11UJ3Z	16.7	0.15	K11AQ	15.848	281.199	93.872	10.916	0.27696	2.98330	33	W
K11UJ7O	18.5	0.15	K11AQ	20.235	44.678	328.037	3.731	0.24582	2.85146	30	X
K11UK0U	17.8	0.15	K11AQ	351.391	329.252	87.935	8.130	0.19092	2.39496	29	W
K11UK2A	17.5	0.15	K11AQ	346.343	354.422	71.847	5.473	0.11620	2.27105	57	X
K11UK4W	16.5	0.15	K11AQ	29.568	262.537	102.820	15.127	0.15068	2.62427	51	X
K11UK4Y	17.0	0.15	K11AQ	358.538	234.980	171.601	13.040	0.35349	3.00154	34	W
K11UK6B	16.9	0.15	K11AQ	328.385	237.708	227.979	29.706	0.32287	2.60217	34	W
K11UK6T	15.4	0.15	K11AQ	20.502	146.565	231.266	27.657	0.18023	2.63033	31	W
K11UL3Z	15.9	0.15	K11AQ	24.462	129.211	220.269	16.227	0.24246	3.09435	53	W
K11UL5M	16.8	0.15	K11A6	14.208	151.555	215.834	13.647	0.10130	3.20307	61	X
K11UL5R	17.2	0.15	K11A6	25.791	133.988	215.677	12.378	0.15221	3.06381	60	X
K11UL6P	18.2	0.15	K11AQ	93.895	59.627	225.073	6.058	0.09303	2.28004	30	W
K11UL8O	16.9	0.15	K11AQ	231.524	115.659	47.679	7.036	0.06030	2.45295	32	X
K11UL8S	17.3	0.15	K11AQ	346.721	8.199	42.181	4.559	0.21575	2.64113	55	X
K11UL9B	15.9	0.15	K11AQ	153.721	180.423	41.579	6.584	0.36642	2.69011	30	X
K11UL9K	17.0	0.15	K11AQ	1.327	347.178	39.497	9.430	0.22738	3.14261	56	X
K11UM0Y	17.1	0.15	K11A6	44.408	287.337	32.605	13.636	0.19587	2.64560	64	X
K11UM4D	18.1	0.15	K11A6	323.420	48.883	34.072	12.191	0.27314	2.64017	64	X
K11UN3O	16.5	0.15	K11AQ	287.471	253.786	210.343	8.257	0.03972	3.08767	36	X
K11UO2P	16.9	0.15	K11A6	30.935	317.048	42.839	5.804	0.19383	2.70052	60	X
K11UO5O	16.9	0.15	K11AQ	52.329	274.165	58.987	6.621	0.16714	2.67210	32	X
K11UO5S	16.7	0.15	K11AQ	42.718	280.973	59.663	9.145	0.22222	3.09787	36	X
K11UO5W	20.2	0.15	K11AQ	28.106	281.690	54.725	7.176	0.39152	2.16658	28	W
K11UO6L	18.2	0.15	K11AQ	93.767	253.732	49.707	22.001	0.09616	1.93071	57	X
K11UO7B	16.8	0.15	K11A6	53.844	267.797	64.475	4.023	0.19369	2.63047	60	X
K11UP0L	17.6	0.15	K11AQ	33.101	147.313	216.852	6.707	0.21454	2.56760	32	W
K11UP1D	16.5	0.15	K11AQ	326.888	239.229	218.666	9.781	0.09177	3.01904	32	W
K11UP1U	17.7	0.15	K11AQ	21.371	286.837	93.919	4.296	0.23115	2.74502	32	W
K11UP1X	16.7	0.15	K11AQ	292.652	305.329	190.029	3.983	0.09341	2.58889	32	X
K11UP2F	18.2	0.15	K11AQ	28.991	294.208	68.830	9.812	0.29182	2.73514	28	X
K11UP2H	17.7	0.15	K11AQ	17.965	299.327	86.472	4.529	0.20547	2.38126	28	W
K11UP3N	17.6	0.15	K11AQ	22.239	219.806	161.070	2.883	0.17494	2.31436	28	X
K11UP3Q	16.3	0.15	K11AQ	26.266	314.748	72.409	11.306	0.10312	3.07247	33	W
K11UP4N	16.4	0.15	K11AQ	334.223	232.090	199.403	0.500	0.11751	2.66466	33	W
K11UP6B	19.9	0.15	K11AQ	335.182	7.454	58.808	24.291	0.07099	1.52338	25	W
K11UP6Q	17.0	0.15	K11AQ	23.525	150.032	230.302	4.805	0.05873	2.68157	36	X
K11UP7A	18.0	0.15	K11AQ	352.156	122.006	291.005	1.057	0.14088	2.96759	30	X
K11UP7O	17.1	0.15	K11AQ	318.595	231.735	223.894	11.289	0.11359	3.15233	30	X

K11UP7S	20.0	0.15	K11AQ	356.669	271.227	135.229	0.222	0.19511	2.37545	30	X
K11UP7V	18.7	0.15	K11AQ	14.146	342.612	44.435	2.761	0.04137	2.18405	30	X
K11UP8B	18.8	0.15	K11A6	3.407	82.066	309.215	0.403	0.09607	2.24192	61	X
K11UP8J	16.6	0.15	K11AQ	353.719	188.585	226.276	4.415	0.16077	3.13697	36	X
K11UP9M	16.7	0.15	K11AQ	14.610	3.002	28.018	9.422	0.11155	2.94583	31	X
K11UP9W	17.8	0.15	K11AQ	23.825	341.011	35.155	7.475	0.12974	2.25699	30	X
K11UQ0C	17.5	0.15	K11AQ	1.728	18.181	28.258	9.179	0.13500	3.15999	35	X
K11UQ0F	17.2	0.15	K11AQ	280.922	109.059	38.348	9.879	0.15412	2.88244	30	X
K11UQ0T	16.9	0.15	K11AQ	8.918	6.745	33.897	5.473	0.13105	3.11136	57	X
K11UQ0Y	16.1	0.15	K11A6	20.497	342.143	41.860	9.102	0.08911	2.99314	60	X
K11UQ1B	17.1	0.15	K11AQ	23.159	121.070	252.148	8.716	0.23742	3.15256	35	X
K11UQ1E	17.4	0.15	K11AQ	62.909	72.672	255.359	8.047	0.18816	2.80690	31	X
K11UQ1L	18.0	0.15	K11AQ	4.484	18.525	28.696	5.612	0.15004	2.69496	29	X
K11UQ1X	17.4	0.15	K11AQ	17.770	125.879	259.854	5.615	0.20147	3.08931	35	X
K11UQ2Y	18.0	0.15	K11AQ	341.995	133.326	313.374	0.413	0.25958	3.04908	31	X
K11UQ3D	18.5	0.15	K11AQ	326.840	40.171	59.039	3.461	0.15861	2.40063	33	X
K11UQ3J	17.7	0.15	K11AQ	63.683	281.183	55.400	2.323	0.15255	2.41928	29	X
K11UQ3L	16.4	0.15	K11AQ	28.288	329.387	61.245	7.495	0.02066	2.70531	34	X
K11UQ3N	17.3	0.15	K11AQ	22.477	317.092	67.874	0.082	0.21259	3.13244	31	X
K11UQ3O	16.8	0.15	K11AQ	67.769	78.827	255.941	9.662	0.12003	2.99701	35	X
K11UQ5N	17.9	0.15	K11AQ	3.995	351.180	51.729	6.292	0.22292	2.33428	28	X
K11UQ5O	18.6	0.15	K11AQ	2.091	354.958	52.018	8.535	0.19722	2.35797	36	X
K11UQ6G	18.1	0.15	K11AQ	357.362	353.140	63.830	3.084	0.17339	2.34309	28	X
K11UQ6H	16.8	0.15	K11AQ	13.150	341.445	62.486	6.227	0.05127	2.67294	31	X
K11UQ6J	17.1	0.15	K11AQ	30.575	283.281	76.354	3.695	0.29483	2.58979	33	W
K11UQ6V	17.6	0.15	K11AQ	353.644	228.376	182.516	12.947	0.24697	2.63975	36	W
K11UQ7A	16.6	0.15	K11AQ	32.324	252.199	109.500	13.007	0.09867	2.66062	53	W
K11UQ7N	16.4	0.15	K11AQ	349.295	17.136	44.724	19.213	0.23736	3.08771	35	W
K11UQ8O	16.4	0.15	K11AQ	43.717	119.041	233.045	12.737	0.09912	2.77745	55	X
K11UQ9Q	18.2	0.15	K11AQ	35.266	333.572	24.069	4.466	0.18720	2.57219	32	X
K11UR4Z	16.5	0.15	K11AQ	2.616	33.228	5.233	3.187	0.12384	2.63129	31	X
K11UR5F	15.8	0.15	K11AQ	273.771	269.164	230.430	17.318	0.09678	3.16009	31	X
K11UR6E	17.7	0.15	K11AQ	16.936	124.223	260.625	7.963	0.17698	2.57329	29	X
K11UR8L	16.7	0.15	K11AQ	48.417	123.183	245.158	28.943	0.01362	2.64285	28	X
K11UR9E	18.6	0.15	K11AQ	9.595	152.970	248.088	3.186	0.11892	2.21635	29	X
K11US2B	17.2	0.15	K11AQ	266.099	269.853	230.846	21.180	0.02595	2.69616	34	X
K11US2P	15.7	0.15	K11AQ	264.750	99.990	57.766	18.007	0.13331	3.08771	30	X
K11US2R	15.2	0.15	K11AQ	338.207	212.450	220.686	17.639	0.06900	3.09159	26	W
K11US4B	16.5	0.15	K11AQ	50.190	41.981	317.678	5.543	0.04086	2.68944	30	X
K11US7Z	16.2	0.15	K11AQ	15.226	318.774	52.634	15.670	0.31234	3.08259	49	W
K11UT4U	16.2	0.15	K11AQ	306.196	191.463	276.415	8.894	0.08022	2.64713	28	W
K11UT4Z	17.5	0.15	K11AQ	41.268	251.884	84.957	3.639	0.22149	2.17018	27	W
K11UT6Q	15.2	0.15	K11AQ	8.896	341.195	49.894	10.532	0.07837	3.11211	37	X
K11UT8W	16.3	0.15	K11A6	350.032	257.928	151.283	11.559	0.14892	3.10730	60	W
K11UT9E	17.9	0.15	K11AQ	27.448	311.015	60.056	6.349	0.14785	2.33839	35	X
K11UT9G	18.4	0.15	K11AQ	348.314	359.770	60.052	4.770	0.13158	2.35710	25	X
K11UT9J	17.4	0.15	K11AQ	344.743	3.876	63.330	5.763	0.12622	3.12761	25	X
K11UT9M	17.2	0.15	K11AQ	58.168	272.072	60.269	5.922	0.15344	2.63910	25	X
K11UU1Z	19.8	0.15	K11AQ	6.829	158.008	227.598	10.288	0.31876	2.73224	31	X
K11UU3O	18.6	0.15	K11AQ	12.728	326.120	60.507	3.586	0.10362	2.16485	36	X
K11UU3P	18.6	0.15	K11A6	341.719	209.308	208.717	4.529	0.11826	2.19755	61	W
K11UU5D	20.1	0.15	K11AQ	358.069	165.961	234.651	13.389	0.39116	2.34818	29	X
K11UU5N	16.4	0.15	K11AQ	19.197	137.005	230.126	10.740	0.25528	3.14735	53	W
K11UU7G	16.0	0.15	K11AQ	23.356	306.379	61.210	10.160	0.18604	2.62896	27	W
K11UU8E	17.1	0.15	K11AQ	31.670	102.493	254.242	8.872	0.25677	2.60766	26	W
K11UV1G	18.3	0.15	K11AQ	312.781	222.659	239.884	1.584	0.14701	2.39094	32	X
K11UV2W	19.0	0.15	K11AQ	8.546	196.830	191.299	2.300	0.19348	2.33874	25	X
K11UV2Y	16.9	0.15	K11AQ	4.522	316.164	80.516	2.480	0.19151	3.15621	32	X
K11UV3A	18.1	0.15	K11AQ	2.134	348.199	49.846	15.096	0.21932	2.63875	32	X
K11UV3D	16.8	0.15	K11AQ	7.361	331.470	63.503	5.186	0.11323	3.14999	32	X
K11UV3N	16.7	0.15	K11AQ	15.277	327.354	56.459	10.052	0.14346	3.03238	32	W
K11UV3O	16.2	0.15	K11AQ	162.032	185.989	57.014	11.503	0.01774	3.14720	24	X

K11UV3U	17.0	0.15	K11AQ	12.729	329.857	57.319	10.446	0.17000	3.04813	24	X
K11UV4H	17.5	0.15	K11AQ	35.638	287.837	55.127	14.339	0.27019	2.96999	32	X
K11UV5Q	17.4	0.15	K11AQ	9.141	312.638	74.538	6.374	0.26669	2.59911	24	W
K11UV5V	17.7	0.15	K11AQ	39.111	108.588	232.760	25.194	0.27782	3.19209	30	X
K11UV7C	16.8	0.15	K11AQ	354.876	182.341	236.230	10.984	0.15604	3.08030	32	X
K11UV7Q	16.8	0.15	K11AQ	327.015	49.777	52.567	14.131	0.22089	2.62526	36	X
K11UV9V	16.6	0.15	K11AQ	71.416	256.627	53.331	23.565	0.28267	3.08609	24	X
K11UW2Y	16.2	0.15	K11AQ	2.772	244.094	153.024	10.911	0.28338	3.05712	34	W
K11UW5O	17.6	0.15	K11AQ	19.552	315.698	71.540	6.761	0.07872	2.25086	35	X
K11UW6S	19.0	0.15	K11AQ	8.021	13.933	12.294	6.992	0.28518	2.31383	33	W
K11UW6Z	16.0	0.15	K11AQ	13.780	331.950	70.644	10.046	0.12430	3.01619	33	X
K11UX1R	16.6	0.15	K11AQ	308.554	203.585	268.140	9.016	0.11242	3.02770	30	X
K11UX5V	17.1	0.15	K11A6	335.016	22.413	25.064	15.739	0.21159	2.65042	63	W
K11UX7U	16.5	0.15	K11A6	357.346	353.960	31.240	10.873	0.10370	3.15102	64	X
K11UX9K	16.4	0.15	K11AQ	242.011	294.203	230.970	12.844	0.05146	2.69687	35	X
K11UY2Y	17.3	0.15	K11AQ	32.530	128.248	230.907	17.524	0.22192	2.63358	36	X
K11UY2Z	17.0	0.15	K11AQ	333.864	219.664	226.576	9.598	0.21220	3.14716	36	X
K11UY3G	16.9	0.15	K11AQ	311.165	255.797	215.019	3.166	0.16434	2.68762	36	X
K11UY3U	17.7	0.15	K11AQ	10.678	285.177	92.227	13.873	0.30980	2.70952	36	W
K11UZ3H	18.4	0.15	K11AQ	40.131	110.482	231.498	1.069	0.11480	2.16886	34	W
K11UZ5X	16.3	0.15	K11AQ	53.421	282.542	42.814	11.506	0.10122	3.17538	34	X
K11Ua2F	16.5	0.15	K11AQ	43.993	294.439	69.218	10.446	0.14066	3.00789	33	X
K11Ub4B	16.1	0.15	K11AQ	46.370	305.178	49.798	10.238	0.03374	3.06612	31	X
K11Ub9J	16.3	0.15	K11AQ	73.443	288.430	44.665	11.419	0.08943	2.98886	31	X
K11Ub9V	16.0	0.15	K11AQ	128.225	218.019	69.274	10.260	0.07404	3.02645	31	X
K11Uc3J	17.2	0.15	K11AQ	33.487	52.295	316.348	5.358	0.05942	2.67228	28	X
K11Uc8C	15.9	0.15	K11AQ	321.877	30.645	66.511	22.014	0.14769	3.14380	28	X
K11Uc8J	18.1	0.15	K11AQ	352.800	335.866	74.676	9.820	0.13175	2.31419	29	W
K11Ud2A	16.6	0.15	K11AQ	4.001	313.230	82.123	6.275	0.16318	3.15730	27	X
K11Ue0O	18.1	0.15	K11AQ	116.489	46.630	231.548	21.155	0.11153	1.95539	30	X
K11Ue0V	16.6	0.15	K11AQ	20.022	328.096	46.577	14.964	0.16493	3.05480	37	W
K11UelA	17.1	0.15	K11AQ	32.642	168.137	190.192	1.977	0.19346	3.10883	36	X
K11UelK	17.6	0.15	K11AQ	8.215	170.448	222.661	8.544	0.14351	2.37633	35	X
K11UelL	16.7	0.15	K11AQ	7.710	343.963	53.151	9.966	0.08312	3.07876	35	X
K11V01K	16.9	0.15	K11AQ	354.101	160.604	255.299	12.412	0.36389	2.69572	27	W
K11V05F	15.6	0.15	K11AQ	328.722	198.061	249.762	16.027	0.18054	3.12335	27	W
K11V06S	17.9	0.15	K11AQ	23.674	264.938	102.899	6.319	0.20745	2.30365	29	W
K11V10F	18.2	0.15	K11BF	358.276	359.795	53.501	14.839	0.20124	2.79317	8	X
K11V10H	15.9	0.15	K11BF	124.079	220.902	55.101	13.923	0.11693	3.02755	8	X
K11V10J	17.3	0.15	K11BF	84.148	88.554	210.181	3.965	0.24641	2.67195	8	X
K11V10S	17.0	0.15	K11BF	11.152	168.728	241.451	6.277	0.10674	2.34098	8	X
K11V10T	17.6	0.15	K11AQ	329.822	44.175	63.955	24.748	0.30631	2.35689	28	W
K11V11H	16.8	0.15	K11BF	38.996	129.598	230.901	16.363	0.11669	2.72583	8	X
K11V11M	18.5	0.15	K11BF	339.172	49.544	36.707	1.392	0.27253	2.83207	8	W
K11V11Q	17.3	0.15	K11BF	349.057	11.628	62.930	7.743	0.04552	2.41993	8	X
K11V11U	16.0	0.15	K11BF	291.672	259.866	246.307	6.634	0.10984	3.36979	8	W
K11V11V	16.9	0.15	K11BF	104.841	67.131	242.766	5.246	0.08238	2.33791	8	X
K11V11W	17.6	0.15	K11BF	25.569	143.167	234.573	0.524	0.27577	2.74231	8	X
K11V11X	17.4	0.15	K11BF	261.924	114.737	62.133	2.652	0.14107	2.23217	8	X
K11V11Y	15.7	0.15	K11BF	68.457	100.893	246.628	7.662	0.08491	3.10535	8	W
K11V11Z	15.8	0.15	K11BF	57.856	289.904	67.165	10.793	0.10568	3.17683	8	X
K11V12B	18.2	0.15	K11BF	45.361	286.042	75.992	2.531	0.15069	2.26239	8	W
K11V12F	18.0	0.15	K11BF	10.730	332.161	73.787	4.030	0.19686	2.61835	8	X
K11V12H	17.6	0.15	K11BF	47.310	291.205	70.030	4.166	0.14801	2.23874	8	X
K11V12J	18.5	0.15	K11BF	21.107	269.870	94.558	1.491	0.45830	2.96675	8	W
K11V12M	16.3	0.15	K11BF	54.640	121.032	241.054	7.918	0.09615	3.09339	8	X
K11V12Q	18.2	0.15	K11AQ	349.600	165.513	262.329	6.100	0.39809	2.62704	21	W
K11V12U	15.1	0.15	K11BF	6.237	339.842	65.376	11.847	0.07091	3.07883	8	X
K11V12Z	15.9	0.15	K11BF	130.195	35.046	230.492	18.376	0.21904	2.89257	8	X
K11V13C	17.7	0.15	K11BF	312.583	259.751	219.518	1.885	0.20069	2.66800	8	X
K11V13L	16.9	0.15	K11BF	325.320	226.892	227.563	10.159	0.08582	2.39097	8	W
K11V13Y	17.8	0.15	K11BF	17.374	331.306	58.068	10.062	0.12817	3.01637	8	X

K11V13Z	17.1	0.15	K11BF	349.430	203.048	220.496	4.953	0.04091	2.76267	8 X
K11V14A	17.1	0.15	K11BF	330.426	37.609	56.326	11.222	0.17528	3.01899	8 X
K11V14D	17.3	0.15	K11BF	350.426	237.230	189.325	1.441	0.21025	3.13236	8 X
K11V14E	16.3	0.15	K11BF	119.560	55.685	225.196	10.890	0.12205	2.98809	8 X
K11V14G	16.6	0.15	K11BF	284.748	305.779	183.728	1.571	0.02302	2.73922	8 X
K11V14J	17.3	0.15	K11BF	7.356	178.474	223.070	6.466	0.16043	3.19146	8 X
K11V14L	15.8	0.15	K11BF	40.807	279.478	70.960	12.486	0.21279	2.64621	8 W
K11V14S	16.6	0.15	K11BF	343.536	24.011	33.557	14.288	0.22701	2.60355	7 W
K11V14U	16.6	0.15	K11BF	102.239	7.712	299.744	3.606	0.09788	2.76680	6 X
K11V16P	16.3	0.15	K11BF	106.101	55.358	251.259	12.612	0.05777	2.64470	8 X
K11W00O	16.6	0.15	K11BF	28.594	358.725	10.923	0.105	0.06454	2.99570	8ES
K11W00Z	16.6	0.15	K11BF	113.683	50.037	248.273	16.803	0.16017	2.53504	7 W
K11W01A	17.0	0.15	K11BF	53.177	108.655	244.387	12.273	0.19496	2.60730	7 X
K11W01M	17.3	0.15	K11BF	251.235	116.635	65.094	6.425	0.06114	2.27051	7 X
K11W03M	16.0	0.15	K11BF	326.186	67.501	60.741	30.497	0.31695	2.66296	6 W
K11W04D	16.0	0.15	K11BF	24.420	312.736	70.233	15.632	0.26044	2.63893	8 W
K11W04X	17.3	0.15	K11BF	14.137	320.842	74.042	10.293	0.26023	2.63128	5 X
K11W11X	17.2	0.15	K11BF	2.067	188.227	224.348	4.194	0.10741	2.33965	8 X
K11W12K	17.0	0.15	K11BF	339.152	17.337	70.590	24.383	0.25037	2.28731	7 X
K11W13Y	17.9	0.15	K11BF	344.995	175.006	257.182	4.769	0.13526	2.20937	6 W
K11W14D	16.7	0.15	K11BF	31.458	288.079	80.376	4.642	0.25156	2.65232	6 X
K11W14F	15.8	0.15	K11BF	0.895	9.860	48.849	13.511	0.18982	2.93859	2 X
K11W14M	14.9	0.15	K11BF	28.921	296.265	67.554	17.621	0.25139	3.15092	5 W
K11W14X	18.0	0.15	K11BF	4.362	186.523	226.396	7.453	0.20789	2.45081	6 X
K11W15G	16.3	0.15	K11BF	55.269	284.257	56.826	16.515	0.11023	3.03481	2 X
K11W15M	16.5	0.15	K11BF	4.034	335.653	91.801	39.679	0.45881	3.25651	1 S
K11W15O	18.9	0.15	K11BF	355.319	357.802	69.368	16.330	0.30866	2.27088	1 X

New observations:

J94X01L	KC2011	11	23.10683819	23	42.75	+60	50	41.0	18.8	RuEW043H36	
J94X01L	KC2011	11	23.10990619	23	48.20	+60	50	25.5	19.0	RuEW043H36	
J94X01L	KC2011	11	23.11251419	23	52.51	+60	50	11.6	18.5	RuEW043H36	
J94X01L	KC2011	11	23.11523319	23	57.34	+60	49	57.1	18.6	RuEW043H36	
K00Y29J	C2011	11	23.80783	08	21	55.61	+09	15	18.6	RoEW043300	
K00Y29J	C2011	11	23.81268	08	21	55.77	+09	15	09.4	20.8	RoEW043300
K00Y29J	C2011	11	23.81753	08	21	55.91	+09	14	59.2	20.9	RoEW043300
K01U05E	C2011	11	23.20348	03	02	24.28	+22	13	55.7	18.8	VrEW043703
K01U05E	C2011	11	23.21202	03	02	23.60	+22	13	56.1	19.0	VrEW043703
K01U05E	C2011	11	23.22045	03	02	23.06	+22	13	56.2	19.4	VrEW043703
K01U05E	C2011	11	23.22888	03	02	22.27	+22	13	58.4	19.8	VrEW043703
K01Y04E	JC2011	11	23.45148	10	35	15.44	+29	15	42.9	19.6	RoEW043695
K01Y04E	JC2011	11	23.45410	10	35	15.36	+29	15	47.1	20.0	RoEW043695
K01Y04E	JC2011	11	23.45541	10	35	15.32	+29	15	49.2	20.1	RoEW043695
K02C01M	cC2011	11	15.75363	19	25	09.54	+03	38	30.9	19.3	RvEW043204
K02C01M	FC2011	11	15.77513	19	25	11.73	+03	38	57.1		vEW043204
K03Y17S	KC2011	11	16.99608	03	46	20.20	-03	56	54.4	19.2	RtEW043204
K03Y17S	FC2011	11	17.01529	03	46	15.06	-03	56	54.5		tEW043204
K04T00N	KC2011	11	18.08250	03	21	16.00	+45	51	26.0		tEW043204
K04T00N	KC2011	11	18.08769	03	21	14.85	+45	51	31.7	18.9	RtEW043204
K04T00N	KC2011	11	23.25049903	01	21.33	+47	17	27.8	18.0	RuEW043H36	
K04T00N	KC2011	11	23.25348403	01	20.73	+47	17	30.7	18.8	RuEW043H36	
K04T00N	KC2011	11	23.25645703	01	20.00	+47	17	33.3	18.9	RuEW043H36	
K05X01B	KC2011	11	16.04546	04	17	23.07	-16	18	17.8	18.0	RtEW043204
K05X01B	KC2011	11	16.04975	04	17	20.46	-16	17	28.9		tEW043204
K05X01B	KC2011	11	16.05402	04	17	17.83	-16	16	39.8		tEW043204
K05X01B	C2011	11	23.23385	03	30	20.70	+00	17	54.2	18.4	VrEW043703
K05X01B	C2011	11	23.24248	03	30	18.36	+00	18	44.2	18.4	VrEW043703
K05X01B	C2011	11	23.25111	03	30	15.98	+00	19	34.3	18.5	VrEW043703
K05X01B	C2011	11	23.63617	03	28	38.80	+00	55	57.3	18.7	RrEW043D29
K05X01B	C2011	11	23.65213	03	28	34.50	+00	57	26.4	19.1	RrEW043D29
K05X01B	C2011	11	23.66814	03	28	30.19	+00	58	55.3	18.7	RrEW043D29
K05Y55U	C2011	11	23.71317	02	35	32.38	+16	31	19.4	17.9	RoEW043461

K05Y55U	C2011	11	23.71644	02	35	32.45	+16	31	19.6	17.9	RoEW043461
K05Y55U	C2011	11	23.71969	02	35	32.51	+16	31	19.8	17.9	RoEW043461
K05Y55U	C2011	11	23.82341	02	35	35.13	+16	31	31.1	17.9	RwEW043B49
K05Y55U	C2011	11	23.85476	02	35	35.46	+16	31	31.1	17.2	RwEW043B49
K05Y55U	C2011	11	23.86818	02	35	35.68	+16	31	32.4	17.2	RwEW043B49
K06UL7Q	KC2011	11	23.10088	01	21	19.73	-25	51	45.9	18.6	VuEW043I20
K06UL7Q	KC2011	11	23.11177	01	21	19.93	-25	51	20.9	18.6	VuEW043I20
K06UL7Q	KC2011	11	23.12053	01	21	20.07	-25	51	00.6	18.4	VuEW043I20
K07S06P	KC2011	11	23.05750	23	32	38.87	-23	22	51.5	17.8	VuEW043I20
K07S06P	KC2011	11	23.06424	23	32	39.94	-23	22	28.2	18.5	VuEW043I20
K07S06P	KC2011	11	23.07240	23	32	41.27	-23	22	00.3	18.5	VuEW043I20
K07W04U	KC2011	11	14.93426	03	05	13.07	-13	35	22.8		tEW043204
K07W04U	KC2011	11	14.94963	03	05	11.05	-13	34	31.5	18.1	RtEW043204
K07W04U	KC2011	11	14.96505	03	05	09.01	-13	33	40.2		tEW043204
K08C70N	C2011	11	23.29059	09	48	30.53	-22	25	58.8	20.7	VoEW043807
K08C70N	C2011	11	23.29806	09	48	31.46	-22	26	06.9	20.6	VoEW043807
K08C70N	C2011	11	23.30555	09	48	32.43	-22	26	15.1	20.7	VoEW043807
K09W06R	IC2011	11	23.12588621	23	40.97	+54	44	15.7		18.4	RuEW043H36
K09W06R	KC2011	11	23.13066321	23	42.38	+54	44	14.3		18.2	RuEW043H36
K09W06R	KC2011	11	23.13848821	23	44.66	+54	44	11.9		18.7	RuEW043H36
K11F02Z	KC2011	11	23.19070	03	18	20.74	-24	15	06.9	16.7	VuEW043I20
K11F02Z	KC2011	11	23.19992	03	18	19.69	-24	14	03.1	16.7	VuEW043I20
K11F02Z	KC2011	11	23.22029	03	18	17.37	-24	11	43.2	16.7	VuEW043I20
K11L19C	KC2011	11	23.30265	05	57	31.48	-02	22	43.8	17.0	VuEW043I20
K11L19C	KC2011	11	23.31223	05	57	29.57	-02	22	44.6	16.9	VuEW043I20
K11L19C	KC2011	11	23.32180	05	57	27.66	-02	22	45.3	17.1	VuEW043I20
K11L19C	JC2011	11	23.34993	05	57	23.92	-02	23	32.1	16.7	RoEW043695
K11L19C	JC2011	11	23.35059	05	57	23.78	-02	23	32.2	16.7	RoEW043695
K11L19C	JC2011	11	23.35126	05	57	23.66	-02	23	32.2	16.7	RoEW043695
K11L19C	JC2011	11	23.35193	05	57	23.51	-02	23	32.3	16.7	RoEW043695
K11N00Y	C2011	11	23.35391	03	54	01.90	+23	03	58.0	19.7	VrEW043G96
K11N00Y	C2011	11	23.36054	03	54	01.33	+23	03	50.4	19.6	VrEW043G96
K11N00Y	C2011	11	23.36714	03	54	00.75	+23	03	43.0	19.7	VrEW043G96
K11N00Y	C2011	11	23.37383	03	54	00.18	+23	03	35.5	19.6	VrEW043G96
K11P00T	HC2011	11	23.20611	05	00	21.78	+19	16	18.9		oEW043691
K11P00T	HC2011	11	23.22392	05	00	19.98	+19	16	41.8		oEW043691
K11P00T	HC2011	11	23.24172	05	00	18.25	+19	17	04.1		oEW043691
K11S69R	C2011	11	23.30674	05	09	09.23	+08	37	03.3	16.5	cEW043704
K11S69R	C2011	11	23.31950	05	09	14.17	+08	36	20.7	16.7	cEW043704
K11S69R	C2011	11	23.33226	05	09	19.11	+08	35	38.1	16.8	cEW043704
K11S69R	C2011	11	23.33963	05	09	22.24	+08	35	15.1	16.4	VrEW043703
K11S69R	C2011	11	23.34509	05	09	24.07	+08	34	54.9	16.6	cEW043704
K11S69R	C2011	11	23.35549	05	09	28.36	+08	34	22.0	16.4	VrEW043703
K11S69R	C2011	11	23.35783	05	09	29.00	+08	34	12.8	16.7	cEW043704
K11S69R	C2011	11	23.36343	05	09	31.42	+08	33	55.1	16.5	VrEW043703
K11S69R	C2011	11	23.88027	05	13	08.00	+08	04	43.8	16.5	VcEW043A48
K11S69R	C2011	11	23.88481	05	13	09.80	+08	04	29.0	16.6	VcEW043A48
K11S69R	C2011	11	23.88934	05	13	11.60	+08	04	13.8	16.5	VcEW043A48
K11S69R	C2011	11	23.89387	05	13	13.38	+08	03	58.6	16.5	VcEW043A48
K11SA2L	C2011	11	23.86086	04	26	15.52	+24	07	02.5	16.3	VcEW043A48
K11SA2L	C2011	11	23.86539	04	26	15.47	+24	07	13.8	16.3	VcEW043A48
K11SA2L	C2011	11	23.86992	04	26	15.43	+24	07	24.7	16.3	VcEW043A48
K11SA2L	C2011	11	23.87445	04	26	15.39	+24	07	36.4	16.3	VcEW043A48
K11SA2L	C2011	11	23.92137	04	26	14.86	+24	09	31.8	15.5	RcEW043A53
K11SA2L	C2011	11	23.93509	04	26	14.72	+24	10	05.6	15.3	RcEW043A53
K11SA2L	C2011	11	23.94954	04	26	14.51	+24	10	41.0	15.2	RcEW043A53
K11SA2L	C2011	11	23.96398	04	26	14.33	+24	11	16.3	15.8	RcEW043A53
K11T04C	mC2011	11	24.06362	21	15	13.56	-18	44	41.4		oEW043291
K11T04C	mC2011	11	24.06514	21	15	13.11	-18	44	44.1		oEW043291
K11T04C	mC2011	11	24.06665	21	15	12.67	-18	44	46.1		oEW043291
K11T04C	HC2011	11	24.07176	21	15	11.28	-18	44	54.0		oEW043291
K11T04C	HC2011	11	24.07328	21	15	10.89	-18	44	56.6		oEW043291

K11T04C	HC2011	11	24.07478	21	15	10.41	-18	44	58.6		oEW043291
K11T09N	JC2011	11	23.17833	03	06	03.20	+03	21	59.6	18.5	RoEW043695
K11T09N	JC2011	11	23.18632	03	06	03.76	+03	22	04.2	18.5	RoEW043695
K11T09N	JC2011	11	23.19386	03	06	04.29	+03	22	08.6	18.7	RoEW043695
K11U21L	KC2011	11	15.19108	11	30	53.55	-13	38	44.3		tEW043204
K11U21L	KC2011	11	15.19749	11	30	55.37	-13	39	05.8		tEW043204
K11U21L	KC2011	11	15.20410	11	30	57.22	-13	39	27.9	17.5	RtEW043204
K11U21L	KC2011	11	16.19490	11	35	40.23	-14	34	57.7	17.8	RtEW043204
K11U21L	KC2011	11	16.19684	11	35	40.80	-14	35	04.1		tEW043204
K11U21L	KC2011	11	16.19933	11	35	41.54	-14	35	12.5		tEW043204
K11U63S	KC2011	11	21.80014	22	53	25.61	+21	48	17.9	18.8	RtEW043130
K11U63S	KC2011	11	21.80617	22	53	25.34	+21	48	04.4	19.0	RtEW043130
K11UA6U	KC2011	11	21.90165	01	31	20.51	+23	02	28.6	17.8	RtEW043130
K11UA6U	KC2011	11	21.90265	01	31	20.45	+23	02	26.8	17.5	RtEW043130
K11UA6U	KC2011	11	21.90365	01	31	20.34	+23	02	25.5	17.6	RtEW043130
K11UA6U	KC2011	11	21.90466	01	31	20.22	+23	02	23.0	17.9	RtEW043130
K11UA6U	KC2011	11	23.84775	01	28	23.21	+22	03	18.7	17.9	RcEW043A53
K11UA6U	KC2011	11	23.85822	01	28	22.19	+22	02	59.2	17.9	RcEW043A53
K11UA6U	KC2011	11	23.86906	01	28	21.17	+22	02	38.9	17.8	RcEW043A53
K11UA6U	KC2011	11	23.90280	01	28	17.95	+22	01	35.8	18.3	VcEW043A48
K11UA6U	KC2011	11	23.90636	01	28	17.57	+22	01	29.1	18.3	VcEW043A48
K11UA6U	KC2011	11	23.90992	01	28	17.25	+22	01	22.4	18.2	VcEW043A48
K11UA6U	KC2011	11	23.91348	01	28	16.92	+22	01	15.9	18.3	VcEW043A48
K11UB5A	KC2011	11	16.06366	05	06	30.54	+12	17	02.8		tEW043204
K11UB5A	KC2011	11	16.07148	05	06	43.95	+12	16	57.4	18.7	RtEW043204
K11UB5A	KC2011	11	16.07931	05	06	57.39	+12	16	51.7		tEW043204
K11UE7L	KC2011	11	15.93689	01	55	24.38	+13	10	26.8		tEW043204
K11UE7L	KC2011	11	15.95983	01	55	25.84	+13	10	07.3	19.7	RtEW043204
K11UE7M	HC2011	11	24.10454	02	44	48.96	+19	49	39.0		oEW043291
K11UE7M	HC2011	11	24.10956	02	44	48.67	+19	49	36.5		oEW043291
K11UE7M	HC2011	11	24.11455	02	44	48.41	+19	49	33.5		oEW043291
K11UF8V	KC2011	11	17.04444	03	42	26.60	+47	27	57.0		tEW043204
K11UF8V	KC2011	11	17.05981	03	42	26.41	+47	29	00.8		tEW043204
K11UF8V	KC2011	11	17.07518	03	42	26.21	+47	30	04.4	19.5	RtEW043204
K11UF8W	FC2011	11	16.11055	03	28	28.23	+27	47	56.7		tEW043204
K11UF8W	FC2011	11	16.13775	03	28	25.10	+27	47	37.7	20.0	RtEW043204
K11UP5Z	HC2011	11	23.42551	03	45	34.48	+12	22	34.7		oEW043291
K11UP5Z	HC2011	11	23.43055	03	45	34.07	+12	22	33.6		oEW043291
K11UP5Z	HC2011	11	23.43554	03	45	33.89	+12	22	33.2		oEW043291
K11UP6E	HC2011	11	23.29603	00	45	45.18	+06	47	30.6		oEW043291
K11UP6E	HC2011	11	23.29801	00	45	44.84	+06	47	29.2		oEW043291
K11UP6E	HC2011	11	23.29998	00	45	44.50	+06	47	28.7		oEW043291
K11UP6G	KC2011	11	16.00859	02	35	58.55	+05	40	58.0		tEW043204
K11UP6G	KC2011	11	16.02159	02	35	58.45	+05	40	18.8		tEW043204
K11UP6G	KC2011	11	16.03461	02	35	58.34	+05	39	39.5	19.4	RtEW043204
K11UR5Z	KC2011	11	15.98034	02	25	56.24	+15	14	08.6		tEW043204
K11UR5Z	KC2011	11	15.98561	02	25	55.99	+15	15	00.2		tEW043204
K11UR5Z	KC2011	11	15.99088	02	25	55.76	+15	15	51.9	18.2	RtEW043204
K11UR5Z	KC2011	11	23.26868	02	26	49.85	+32	50	54.0	19.0	RuEW043448
K11UR5Z	KC2011	11	23.33149	02	26	48.11	+32	58	22.1	18.7	RuEW043448
K11UR5Z	KC2011	11	23.39517	02	26	47.19	+33	05	47.6	19.1	RuEW043448
K11V05H	mC2011	11	23.27921	01	25	29.91	+27	03	59.8		oEW043291
K11V05H	mC2011	11	23.28142	01	25	29.46	+27	03	59.8		oEW043291
K11V05H	mC2011	11	23.28367	01	25	29.06	+27	03	57.9		oEW043291
K11V05R	HC2011	11	23.26424	01	18	32.93	+27	10	22.9		oEW043291
K11V05R	HC2011	11	23.26819	01	18	32.72	+27	10	19.8		oEW043291
K11V05R	HC2011	11	23.27213	01	18	32.53	+27	10	17.1		oEW043291
K11V09F	mC2011	11	24.09524	02	59	28.12	+34	05	44.3		oEW043291
K11V09F	mC2011	11	24.09606	02	59	27.92	+34	05	49.1		oEW043291
K11V09F	mC2011	11	24.09688	02	59	27.81	+34	05	54.0		oEW043291
K11V09G	mC2011	11	23.40960	03	07	32.75	+17	28	35.9		oEW043291
K11V09G	mC2011	11	23.41321	03	07	32.35	+17	28	33.3		oEW043291

K11V09G	mC2011	11	23.41684	03	07	31.86	+17	28	30.5		oEW043291	
K11V12P	KC2011	11	23.20562423	38	34.48	+04	01	31.5		19.1	RuEW043H36	
K11V12P	KC2011	11	23.21039023	38	36.29	+04	01	28.9		19.0	RuEW043H36	
K11V12P	KC2011	11	23.21511323	38	38.07	+04	01	25.7		19.0	RuEW043H36	
K11W00A	KC2011	11	21.83722	00	08	19.16	+26	49	13.2		18.1	RtEW043130
K11W00A	KC2011	11	21.83873	00	08	18.33	+26	49	22.8		17.8	RtEW043130
K11W00A	KC2011	11	21.84927	00	08	12.67	+26	50	33.2		17.7	RtEW043130
K11W00A	KC2011	11	21.85103	00	08	11.74	+26	50	44.2		18.2	RtEW043130
K11W00A	C2011	11	22.81334	00	00	31.97	+28	28	54.2		17.7	VoEW043639
K11W00A	C2011	11	22.82017	00	00	28.73	+28	29	32.6		18.3	VoEW043639
K11W00A	C2011	11	22.83372	00	00	22.38	+28	30	47.9		18.0	VoEW043639
K11W00C	C2011	11	23.08125	02	15	36.08	+00	41	41.2		19.9	VoEW043807
K11W00C	C2011	11	23.08498	02	15	36.03	+00	41	28.0		19.9	VoEW043807
K11W00C	C2011	11	23.08870	02	15	35.97	+00	41	15.7		20.2	VoEW043807
K11W00C	C2011	11	23.09241	02	15	35.89	+00	41	02.9		20.1	VoEW043807
K11W00C	C2011	11	23.85620	02	15	39.82	-00	03	24.1			oEW043246
K11W00C	C2011	11	23.85865	02	15	39.82	-00	03	33.6			oEW043246
K11W00C	C2011	11	23.86111	02	15	39.84	-00	03	41.4			oEW043246
K11W00C	C2011	11	23.86586	02	15	39.77	-00	03	57.5			oEW043246
K11W00D	C2011	11	23.23881	03	47	20.10	+11	27	48.7		19.7	VoEW043807
K11W00D	C2011	11	23.24806	03	47	21.75	+11	27	05.8		20.0	VoEW043807
K11W02L	C2011	11	23.00947	03	27	18.98	-21	29	50.4		19.0	VoEW043807
K11W02L	C2011	11	23.01297	03	27	18.58	-21	29	50.7		18.7	VoEW043807
K11W02L	C2011	11	23.01639	03	27	18.17	-21	29	50.9		18.8	VoEW043807
K11W02L	C2011	11	23.01981	03	27	17.77	-21	29	51.0		18.9	VoEW043807
K11W02L	C2011	11	23.02321	03	27	17.37	-21	29	51.2		18.9	VoEW043807
K11W02L	C2011	11	23.02660	03	27	16.97	-21	29	51.6		18.8	VoEW043807
K11W02L	C2011	11	23.90275	03	25	44.40	-21	29	50.0			oEW043046
K11W02L	C2011	11	23.90536	03	25	44.17	-21	29	50.0			oEW043046
K11W02L	C2011	11	23.90661	03	25	44.02	-21	29	49.0			oEW043046
K11W02L	C2011	11	23.90907	03	25	43.81	-21	29	48.7			oEW043046
K11W02M	C2011	11	22.82094	01	07	39.66	-01	33	38.2			oEW043046
K11W02M	C2011	11	22.82212	01	07	39.68	-01	33	30.1			oEW043046
K11W02M	C2011	11	22.82307	01	07	39.82	-01	33	23.5			oEW043046
K11W02M	C2011	11	22.82543	01	07	39.91	-01	33	13.8			oEW043046
K11W02M	C2011	11	23.00943	01	07	48.67	-01	16	29.1		18.9	VoEW043807
K11W02M	C2011	11	23.01367	01	07	48.81	-01	16	07.4		19.0	VoEW043807
K11W02M	C2011	11	23.01717	01	07	48.91	-01	15	49.2		19.0	VoEW043807
K11W02M	C2011	11	23.02062	01	07	49.02	-01	15	31.2		18.8	VoEW043807
K11W02M	C2011	11	23.02408	01	07	49.13	-01	15	13.2		18.8	VoEW043807
K11W02M	C2011	11	23.02751	01	07	49.24	-01	14	55.5		19.0	VoEW043807
K11W02M	KC2011	11	23.80288	01	08	24.30	-00	09	12.3		18.5	RrEW043A17
K11W02M	KC2011	11	23.81070	01	08	24.59	-00	08	32.2		18.3	RrEW043A17
K11W02M	KC2011	11	23.81853	01	08	24.88	-00	07	52.1		18.6	RrEW043A17
K11W02M	C2011	11	23.85076	01	08	25.94	-00	05	06.1			oEW043246
K11W02M	C2011	11	23.85209	01	08	25.96	-00	04	59.9			oEW043246
K11W02M	C2011	11	23.85292	01	08	26.02	-00	04	56.6			oEW043246
K11W02M	C2011	11	23.85356	01	08	26.00	-00	04	53.1			oEW043246
K11W02M	KC2011	11	24.02371	01	08	34.38	+00	10	17.7		18.4	uEW043I36
K11W02M	KC2011	11	24.03188	01	08	34.67	+00	10	58.8		18.8	uEW043I36
K11W02M	KC2011	11	24.03849	01	08	34.81	+00	11	32.4		18.5	uEW043I36
K11W02N	C2011	11	23.00905	02	29	21.07	-13	37	40.2		19.1	VoEW043807
K11W02N	C2011	11	23.01163	02	29	25.42	-13	38	37.1		18.9	VoEW043807
K11W02N	C2011	11	23.01417	02	29	29.69	-13	39	33.3		18.7	VoEW043807
K11W02N	KC2011	11	23.13902	02	32	59.23	-14	25	42.4		18.6	VuEW043I20
K11W02N	KC2011	11	23.14722	02	33	13.38	-14	28	46.5		18.7	VuEW043I20
K11W02N	KC2011	11	23.15713	02	33	30.43	-14	32	27.0		18.5	VuEW043I20
K11W02N	KC2011	11	23.16373	02	33	41.94	-14	34	54.8		18.2	VuEW043I20
K11W02N	KC2011	11	23.22053502	35	32.46	-15	02	59.0		18.2	RuEW043H36	
K11W02N	KC2011	11	23.22219002	35	35.42	-15	03	36.8		17.7	RuEW043H36	
K11W02N	KC2011	11	23.22384402	35	38.33	-15	04	14.4		18.1	RuEW043H36	
K11W02N	KC2011	11	23.22558402	35	41.40	-15	04	53.7		18.1	RuEW043H36	

K11W02N	KC2011	11	23.22730302	35	44.46	-15	05	33.3	18.3	RuEW043H36
K11W02N	tC2011	11	23.88435	02	58	31.97	-19	28	30.2	oEW043246
K11W02N	tC2011	11	23.88719	02	58	38.23	-19	29	42.8	oEW043246
K11W02N	tC2011	11	23.88769	02	58	39.24	-19	29	54.5	oEW043246
K11W02N	tC2011	11	23.88965	02	58	43.46	-19	30	43.5	oEW043246
K11W02N	tC2011	11	23.89017	02	58	44.54	-19	30	56.2	oEW043246
K11W02N	tC2011	11	23.89067	02	58	45.70	-19	31	09.4	oEW043246
K11W02Q	KC2011	11	19.03864	04	07	29.50	+28	01	40.9	19.2 RtEW043204
K11W02Q	KC2011	11	19.04706	04	07	39.65	+28	02	54.8	tEW043204
K11W02Q	KC2011	11	19.05553	04	07	49.84	+28	04	08.8	tEW043204
K11W02Q	JC2011	11	23.29188	05	08	15.74	+33	48	22.0	20.5 RoEW043695
K11W02Q	JC2011	11	23.29283	05	08	16.20	+33	48	24.5	20.4 RoEW043695
K11W02Q	JC2011	11	23.29379	05	08	16.66	+33	48	27.0	20.5 RoEW043695
K11W02Q	JC2011	11	23.29475	05	08	17.12	+33	48	29.5	20.5 RoEW043695
K11W02R	C2011	11	23.20330	02	38	46.55	-09	02	13.1	20.7 VoEW043807
K11W02R	C2011	11	23.20749	02	38	43.76	-09	03	48.1	20.2 VoEW043807
K11W02R	C2011	11	23.21168	02	38	40.96	-09	05	22.7	20.3 VoEW043807
K11W04O	C2011	11	23.00941	21	55	55.39	+06	34	00.7	19.4 VoEW043807
K11W04O	C2011	11	23.01200	21	55	55.83	+06	33	33.5	20.0 VoEW043807
K11W04O	C2011	11	23.01457	21	55	56.28	+06	33	06.8	19.4 VoEW043807
K11W04O	C2011	11	23.01713	21	55	56.72	+06	32	40.2	19.6 VoEW043807
K11W04O	C2011	11	23.01968	21	55	57.14	+06	32	13.4	19.6 VoEW043807
K11W04O	C2011	11	23.02189	21	55	57.53	+06	31	50.1	19.3 VoEW043807
K11W04P	C2011	11	23.19400	03	37	33.80	-06	00	07.0	18.7 VoEW043807
K11W04P	C2011	11	23.19478	03	37	34.31	-06	01	04.3	18.6 VoEW043807
K11W04P	C2011	11	23.19638	03	37	35.34	-06	03	02.6	18.4 VoEW043807
K11W04P	KC2011	11	23.24386	03	38	02.52	-07	02	25.6	17.7 VuEW043I20
K11W04P	KC2011	11	23.24915	03	38	06.65	-07	09	23.3	17.2 VuEW043I20
K11W04U	KC2011	11	23.23550603	15	01.23	+46	30	43.6	18.7 RuEW043H36	
K11W04U	KC2011	11	23.23866103	15	00.93	+46	31	04.6	18.9 RuEW043H36	
K11W04U	KC2011	11	23.24185803	15	00.60	+46	31	26.7	19.0 RuEW043H36	
K11W04U	KC2011	11	23.24464903	15	00.25	+46	31	47.3	19.0 RuEW043H36	
K11W04U	C2011	11	24.06922	03	14	14.88	+48	07	52.3	18.6 RvEW043586
K11W04U	C2011	11	24.07074	03	14	14.76	+48	08	03.0	18.6 RvEW043586
K11W04U	C2011	11	24.07216	03	14	14.65	+48	08	13.1	18.6 RvEW043586
K11W04U	C2011	11	24.07257	03	14	14.60	+48	08	15.9	18.6 RvEW043586
K11W04U	C2011	11	24.07296	03	14	14.57	+48	08	18.9	18.6 RvEW043586
K11W04U	C2011	11	24.07336	03	14	14.55	+48	08	21.2	18.6 RvEW043586
K11W04V	KC2011	11	23.83055	02	22	12.48	+37	23	14.1	19.4 RrEW043A17
K11W04V	KC2011	11	23.83837	02	22	11.67	+37	23	25.1	19.4 RrEW043A17
K11W04V	KC2011	11	23.84617	02	22	10.85	+37	23	36.2	19.6 RrEW043A17
K11W05K	HC2011	11	23.28923	02	10	49.16	+29	34	03.8	oEW043291
K11W05K	HC2011	11	23.29074	02	10	49.65	+29	34	01.9	oEW043291
K11W05K	C2011	11	24.05391	02	15	23.25	+29	18	20.3	18.9 RvEW043586
K11W05K	C2011	11	24.05466	02	15	23.56	+29	18	19.3	19.0 RvEW043586
K11W05K	C2011	11	24.05541	02	15	23.78	+29	18	18.5	18.9 RvEW043586
K11W05K	C2011	11	24.05615	02	15	24.04	+29	18	17.2	18.7 RvEW043586
K11W05K	C2011	11	24.05689	02	15	24.27	+29	18	16.1	18.9 RvEW043586
K11W05K	C2011	11	24.05766	02	15	24.58	+29	18	15.1	18.7 RvEW043586
K11W15J	KC2011	11	23.77513	03	26	37.79	+29	20	13.3	19.1 RrEW043A17
K11W15J	KC2011	11	23.78294	03	26	33.31	+29	20	49.0	19.0 RrEW043A17
K11W15J	KC2011	11	23.78997	03	26	29.29	+29	21	21.0	19.1 RrEW043A17
01943	C2011	11	23.20405	02	53	00.02	+20	45	12.4	16.5 VrEW043703
01943	C2011	11	23.21257	02	52	59.12	+20	45	05.6	16.6 VrEW043703
01943	C2011	11	23.22100	02	52	58.33	+20	44	57.4	16.6 VrEW043703
01943	C2011	11	23.22942	02	52	57.50	+20	44	49.9	16.6 VrEW043703
02201	C2011	11	23.16323	02	30	47.30	+12	25	23.9	16.5 VrEW043703
02201	C2011	11	23.17347	02	30	45.79	+12	25	17.9	16.5 VrEW043703
02201	C2011	11	23.18368	02	30	44.24	+12	25	11.4	16.5 VrEW043703
02201	C2011	11	23.19400	02	30	42.69	+12	25	05.4	16.4 VrEW043703
02212	C2011	11	23.21031	03	07	50.59	+24	35	31.9	19.1 VrEW043703
02212	C2011	11	23.21874	03	07	50.01	+24	35	29.4	19.1 VrEW043703

02212	C2011	11	23.22719	03	07	49.51	+24	35	28.3	19.0	VrEW043703
03988	C2011	11	23.11978	01	41	10.14	+10	37	17.2	17.9	VrEW043703
03988	C2011	11	23.12889	01	41	10.42	+10	37	07.8	17.8	VrEW043703
03988	C2011	11	23.13818	01	41	10.75	+10	36	58.0	17.8	VrEW043703
03988	C2011	11	23.14728	01	41	11.00	+10	36	48.5	17.7	VrEW043703
04503	C2011	11	23.15794	00	17	32.53	+00	34	27.5	18.9	VrEW043G96
04503	C2011	11	23.16321	00	17	32.42	+00	34	27.6	18.9	VrEW043G96
04503	C2011	11	23.16843	00	17	32.35	+00	34	27.8	18.9	VrEW043G96
04503	C2011	11	23.17361	00	17	32.24	+00	34	27.9	18.9	VrEW043G96
05143	KC2011	11	18.79529	02	07	17.06	+50	08	28.5	13.3	RuEW043A81
05143	KC2011	11	18.86209	02	06	41.66	+50	09	18.4	13.3	RuEW043A81
05143	KC2011	11	18.92785	02	06	06.58	+50	10	04.4	13.3	RuEW043A81
06050	C2011	11	23.43815	09	59	39.21	+16	09	28.3	18.5	cEW043704
06050	C2011	11	23.45103	09	59	39.89	+16	09	27.2	18.9	cEW043704
06050	C2011	11	23.46388	09	59	40.51	+16	09	27.9	19.0	cEW043704
06050	C2011	11	23.47672	09	59	41.21	+16	09	27.0	18.9	cEW043704
06050	C2011	11	23.48957	09	59	41.87	+16	09	27.1	19.4	cEW043704
07341	C2011	11	23.05199	22	43	46.29	+13	06	21.4	16.4	cEW043704
07341	C2011	11	23.06478	22	43	45.57	+13	06	14.0	17.0	cEW043704
07341	C2011	11	23.07786	22	43	44.84	+13	06	06.3	16.9	cEW043704
07341	C2011	11	23.09065	22	43	44.14	+13	05	58.9	16.6	cEW043704
07341	C2011	11	23.10345	22	43	43.44	+13	05	51.1	16.5	cEW043704
07977	C2011	11	23.48838	12	15	01.24	+09	48	56.5	20.3	VoEW043691
07977	C2011	11	23.50112	12	15	02.17	+09	48	55.2	19.8	VoEW043691
07977	C2011	11	23.51389	12	15	03.02	+09	48	55.2	20.3	VoEW043691
09172	C2011	11	23.07101	19	59	27.81	-14	51	56.2	19.3	VrEW043G96
09172	C2011	11	23.07628	19	59	28.93	-14	51	52.2	19.3	VrEW043G96
09172	C2011	11	23.08153	19	59	29.97	-14	51	48.3	19.4	VrEW043G96
09172	C2011	11	23.08679	19	59	31.09	-14	51	43.8	19.0	VrEW043G96
11066	C2011	11	23.51891	12	41	13.16	-01	33	15.7	19.0	VrEW043703
11066	C2011	11	23.52119	12	41	13.30	-01	33	17.8	18.8	VrEW043703
11066	C2011	11	23.52347	12	41	13.52	-01	33	20.4	18.4	VrEW043703
11066	C2011	11	23.52581	12	41	13.70	-01	33	23.4	18.9	VrEW043703
11398	C2011	11	23.27479	03	31	52.86	-06	58	18.9	19.4	VrEW043703
11398	C2011	11	23.28322	03	31	52.17	-06	58	21.2	19.6	VrEW043703
11398	C2011	11	23.29181	03	31	51.38	-06	58	22.2	19.5	VrEW043703
11398	C2011	11	23.30040	03	31	50.73	-06	58	23.1	20.1	VrEW043703
18736	C2011	11	23.50309	11	59	03.04	-00	46	38.2	18.7	VrEW043703
18736	C2011	11	23.50778	11	59	04.09	-00	46	45.6	18.9	VrEW043703
18736	C2011	11	23.51243	11	59	04.99	-00	46	51.8	18.5	VrEW043703
24475	C2011	11	23.28040	03	31	29.02	-03	07	38.3	14.9	VrEW043703
24475	C2011	11	23.28896	03	31	28.16	-03	07	21.7	14.9	VrEW043703
24475	C2011	11	23.29752	03	31	27.33	-03	07	04.9	14.9	VrEW043703
26760	C2011	11	23.24248	03	24	51.48	+00	28	15.9	18.9	VrEW043703
26760	C2011	11	23.25111	03	24	50.94	+00	28	14.2	19.0	VrEW043703
26760	C2011	11	23.25981	03	24	50.32	+00	28	14.1	18.9	VrEW043703
66251	C2011	11	23.34934	09	10	01.31	-00	26	37.8	20.0	VoEW043807
66251	C2011	11	23.35341	09	10	01.50	-00	26	40.8	19.9	VoEW043807
66251	C2011	11	23.35747	09	10	01.69	-00	26	43.9	20.1	VoEW043807
66251	C2011	11	23.36151	09	10	01.88	-00	26	46.9	20.2	VoEW043807
66251	C2011	11	23.36514	09	10	02.07	-00	26	49.6	20.3	VoEW043807
85628	C2011	11	23.44508	11	19	16.68	+16	20	13.6	18.3	cEW043704
85628	C2011	11	23.45793	11	19	20.26	+16	20	03.8	18.9	cEW043704
85628	C2011	11	23.47076	11	19	23.80	+16	19	56.3	18.7	cEW043704
85628	C2011	11	23.48362	11	19	27.37	+16	19	47.4	18.8	cEW043704
85628	C2011	11	23.49646	11	19	30.94	+16	19	40.0	18.9	cEW043704
85818	C2011	11	23.15757	03	20	21.91	+14	20	55.6	16.7	VrEW043703
85818	C2011	11	23.16777	03	20	20.00	+14	20	17.9	16.7	VrEW043703
85818	C2011	11	23.17801	03	20	18.20	+14	19	40.7	16.7	VrEW043703
85818	C2011	11	23.18831	03	20	16.33	+14	19	02.6	16.4	VrEW043703
85839	C2011	11	23.37899	08	22	11.56	+33	13	46.0	19.9	VrEW043703
85839	C2011	11	23.38830	08	22	11.89	+33	13	51.4	19.6	VrEW043703

85839	C2011	11	23.39758	08	22	12.25	+33	13	55.0	19.5	VrEW043703
85839	C2011	11	23.40675	08	22	12.50	+33	13	59.1	20.1	VrEW043703
88264	HC2011	11	23.42857	07	08	53.72	+18	19	39.3		oEW043691
88264	HC2011	11	23.44668	07	08	53.06	+18	19	42.6		oEW043691
88264	HC2011	11	23.46263	07	08	52.34	+18	19	45.0		oEW043691
96590	C2011	11	23.44198	10	47	03.68	+17	41	38.8	17.6	cEW043704
96590	C2011	11	23.45484	10	47	05.91	+17	41	38.5	18.1	cEW043704
96590	C2011	11	23.46769	10	47	08.21	+17	41	37.9	18.0	cEW043704
96590	C2011	11	23.48053	10	47	10.42	+17	41	38.0	17.7	cEW043704
96590	C2011	11	23.48064	10	47	10.39	+17	41	37.8	17.7	VrEW043703
96590	C2011	11	23.48637	10	47	11.40	+17	41	37.5	17.6	VrEW043703
96590	C2011	11	23.49213	10	47	12.37	+17	41	37.0	17.5	VrEW043703
96590	C2011	11	23.49338	10	47	12.66	+17	41	37.8	18.1	cEW043704
96590	C2011	11	23.49796	10	47	13.45	+17	41	37.5	17.4	VrEW043703
A1955	C2011	11	23.47427	12	03	35.65	+13	50	45.7	21.6	RoEW043H01
A1955	C2011	11	23.47982	12	03	36.64	+13	50	37.7	21.4	RoEW043H01
A1955	C2011	11	23.48868	12	03	38.20	+13	50	25.0	21.7	RoEW043H01
A1955	C2011	11	23.49546	12	03	39.37	+13	50	15.4	21.8	RoEW043H01
D6923	C2011	11	23.59487	03	36	12.35	+21	48	28.8	16.4	RrEW043D29
D6923	C2011	11	23.61088	03	36	10.93	+21	48	32.2	16.4	RrEW043D29
D6923	C2011	11	23.62688	03	36	09.54	+21	48	35.7	16.4	RrEW043D29
D7671	C2011	11	23.00698	07	07	56.61	+46	33	44.2	17.8	VtEW043J69
D7671	C2011	11	23.01139	07	07	56.65	+46	33	31.0	17.8	VtEW043J69
D7671	C2011	11	23.01581	07	07	56.60	+46	33	19.3	17.7	VtEW043J69
D7671	C2011	11	23.02023	07	07	56.59	+46	33	06.4	17.6	VtEW043J69
D7671	C2011	11	23.02464	07	07	56.66	+46	32	53.6	17.5	VtEW043J69
D8013	C2011	11	23.34054	09	16	16.11	-01	34	39.4	20.1	VoEW043807
D8013	C2011	11	23.34656	09	16	16.16	-01	34	41.6	19.7	VoEW043807
D8013	C2011	11	23.35257	09	16	16.21	-01	34	43.9	19.6	VoEW043807
D8013	C2011	11	23.35859	09	16	16.24	-01	34	46.3	19.7	VoEW043807
D8013	C2011	11	23.36420	09	16	16.29	-01	34	48.2	19.6	VoEW043807
D8852	C2011	11	23.16154	03	13	15.70	+11	30	43.0	16.8	VrEW043703
D8852	C2011	11	23.17177	03	13	11.38	+11	31	45.8	16.9	VrEW043703
D8852	C2011	11	23.18200	03	13	07.06	+11	32	48.6	17.0	VrEW043703
D8852	C2011	11	23.19233	03	13	02.78	+11	33	50.9	16.9	VrEW043703
D8852	C2011	11	23.24257	03	12	41.15	+11	38	58.3	17.4	cEW043704
D8852	C2011	11	23.24269	03	12	41.13	+11	38	59.9	17.4	cEW043704
D8852	C2011	11	23.24281	03	12	41.05	+11	39	00.1	17.4	cEW043704
D8852	C2011	11	23.25531	03	12	35.75	+11	40	16.4	17.7	cEW043704
D8852	C2011	11	23.25543	03	12	35.69	+11	40	17.1	17.7	cEW043704
D8852	C2011	11	23.25554	03	12	35.65	+11	40	17.9	17.8	cEW043704
D8852	C2011	11	23.26859	03	12	30.13	+11	41	36.9	17.8	cEW043704
D8852	C2011	11	23.26871	03	12	30.03	+11	41	37.2	17.7	cEW043704
D8852	C2011	11	23.26882	03	12	30.00	+11	41	37.9	17.8	cEW043704
D8852	C2011	11	23.28132	03	12	24.68	+11	42	53.7	18.3	cEW043704
D8852	C2011	11	23.28144	03	12	24.66	+11	42	54.4	18.4	cEW043704
D8852	C2011	11	23.28156	03	12	24.63	+11	42	55.6	18.3	cEW043704
D8852	C2011	11	23.29403	03	12	19.31	+11	44	10.3	17.9	cEW043704
D8852	C2011	11	23.29415	03	12	19.27	+11	44	10.7	17.8	cEW043704
D8852	C2011	11	23.29426	03	12	19.21	+11	44	11.6	18.2	cEW043704
E2348	C2011	11	23.43475	09	01	47.12	+10	15	42.6	18.1	cEW043704
E2348	C2011	11	23.44765	09	01	49.30	+10	15	48.0	18.2	cEW043704
E2348	C2011	11	23.46050	09	01	51.46	+10	15	53.8	18.6	cEW043704
E2348	C2011	11	23.47333	09	01	53.59	+10	15	58.6	19.3	cEW043704
E2348	C2011	11	23.48618	09	01	55.72	+10	16	04.1	19.0	cEW043704
E3651	C2011	11	23.41412	09	17	33.43	+27	48	23.3	20.3	VrEW043703
E3651	C2011	11	23.42326	09	17	33.79	+27	48	25.0	21.1	VrEW043703
E3651	C2011	11	23.43247	09	17	34.33	+27	48	28.2	19.5	VrEW043703
E3651	C2011	11	23.44169	09	17	34.69	+27	48	30.8	20.5	VrEW043703
F2941	C2011	11	23.48341	12	03	49.42	+11	17	30.7	19.5	VoEW043691
F2941	C2011	11	23.49615	12	03	49.82	+11	17	32.7	19.4	VoEW043691
F2941	C2011	11	23.50892	12	03	50.20	+11	17	34.7	19.3	VoEW043691

F4302	C2011	11	21.89281	01	46	26.90	-13	06	09.6	15.9	RtEW043130
F4302	C2011	11	21.89331	01	46	26.83	-13	06	13.6	16.1	RtEW043130
F4302	C2011	11	21.89381	01	46	26.73	-13	06	17.5	16.2	RtEW043130
F4302	C2011	11	21.89432	01	46	26.63	-13	06	21.4	16.2	RtEW043130
G2273	C2011	11	23.20631	02	38	21.48	+17	20	06.5	18.5	VrEW043703
G2273	C2011	11	23.21478	02	38	20.86	+17	19	55.0	18.6	VrEW043703
G2273	C2011	11	23.22329	02	38	20.25	+17	19	41.5	18.4	VrEW043703
G2273	C2011	11	23.23170	02	38	19.82	+17	19	30.9	18.3	VrEW043703
G2273	C2011	11	23.24448	02	38	18.75	+17	19	15.8	19.0	cEW043704
G2273	C2011	11	23.25721	02	38	17.92	+17	18	57.5	19.3	cEW043704
G2273	C2011	11	23.25806	02	38	17.91	+17	18	56.8	19.2	VrEW043G96
G2273	C2011	11	23.26326	02	38	17.55	+17	18	49.7	19.1	VrEW043G96
G2273	C2011	11	23.26851	02	38	17.19	+17	18	42.5	19.0	VrEW043G96
G2273	C2011	11	23.27049	02	38	17.00	+17	18	39.7	19.4	cEW043704
G2273	C2011	11	23.27373	02	38	16.80	+17	18	35.4	18.9	VrEW043G96
G2273	C2011	11	23.27888	02	38	16.47	+17	18	28.5	18.8	VrEW043G96
G2273	C2011	11	23.28322	02	38	16.11	+17	18	23.0	18.9	cEW043704
G2273	C2011	11	23.29593	02	38	15.22	+17	18	05.2	19.0	cEW043704
G3023	C2011	11	23.37101	08	52	20.06	+24	42	42.5	18.2	VrEW043703
G3023	C2011	11	23.38017	08	52	18.15	+24	43	36.6	18.2	VrEW043703
G3023	C2011	11	23.38946	08	52	16.24	+24	44	30.5	18.2	VrEW043703
G3023	C2011	11	23.39873	08	52	14.34	+24	45	24.2	18.3	VrEW043703
H0502	C2011	11	23.69649	04	17	17.93	+32	33	58.6	15.6	RrEW043D29
H0502	C2011	11	23.71250	04	17	11.89	+32	34	34.0	15.6	RrEW043D29
H0502	C2011	11	23.72849	04	17	05.86	+32	35	09.4	15.6	RrEW043D29
J0166	C2011	11	23.12149	01	41	05.85	+06	49	44.0	19.7	VrEW043703
J0166	C2011	11	23.13060	01	41	05.53	+06	49	43.4	19.7	VrEW043703
J0166	C2011	11	23.13988	01	41	05.17	+06	49	39.2	20.2	VrEW043703
J0166	C2011	11	23.14897	01	41	04.95	+06	49	39.2	20.1	VrEW043703
K8617	C2011	11	23.05169	22	09	00.72	+11	36	11.0	17.8	cEW043704
K8617	C2011	11	23.06447	22	09	07.71	+11	36	53.8	18.1	cEW043704
K8617	C2011	11	23.07756	22	09	14.87	+11	37	37.3	18.1	cEW043704
K8617	C2011	11	23.09034	22	09	21.85	+11	38	19.2	17.9	cEW043704
K8617	C2011	11	23.10314	22	09	28.83	+11	39	01.3	17.8	cEW043704
S5331	C2011	11	23.33006	03	28	11.28	+23	05	09.2	20.6	VrEW043G96
S5331	C2011	11	23.33523	03	28	10.74	+23	05	09.7	21.2	VrEW043G96
S5331	C2011	11	23.34045	03	28	10.20	+23	05	10.7	20.2	VrEW043G96
S5331	C2011	11	23.34568	03	28	09.73	+23	05	09.9	20.9	VrEW043G96
T7418	C2011	11	23.12116	22	39	23.38	+15	55	50.7	18.7	cEW043704
T7418	C2011	11	23.13387	22	39	23.80	+15	55	44.0	19.1	cEW043704
T7418	C2011	11	23.14668	22	39	24.18	+15	55	36.8	19.4	cEW043704
T7418	C2011	11	23.15944	22	39	24.62	+15	55	30.2	19.5	cEW043704
T7418	C2011	11	23.17218	22	39	25.07	+15	55	23.1	20.1	cEW043704
U2591	C2011	11	23.20461	02	41	20.07	+22	15	10.6	18.9	VrEW043703
U2591	C2011	11	23.21311	02	41	19.71	+22	14	53.8	18.8	VrEW043703
U2591	C2011	11	23.22157	02	41	19.39	+22	14	37.2	18.2	VrEW043703
U2591	C2011	11	23.23000	02	41	18.99	+22	14	21.0	18.9	VrEW043703
U3174	C2011	11	23.24132	02	49	12.68	-00	21	07.7	20.0	VrEW043703
U3174	C2011	11	23.24996	02	49	12.14	-00	21	12.3	19.7	VrEW043703
U3174	C2011	11	23.25866	02	49	11.64	-00	21	16.5	19.1	VrEW043703
U3174	C2011	11	23.26734	02	49	11.20	-00	21	20.7	19.7	VrEW043703
U5090	C2011	11	23.16550	02	56	06.03	+09	59	30.3	19.2	VrEW043703
U5090	C2011	11	23.17575	02	56	04.99	+09	59	33.1	18.7	VrEW043703
U5090	C2011	11	23.18598	02	56	04.02	+09	59	36.8	18.6	VrEW043703
U5090	C2011	11	23.19630	02	56	02.97	+09	59	39.7	19.3	VrEW043703

New natural satellite orbits:

Object	H	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
J007S	9.6	K118R	101.058	170.113	98.831	29.349	0.16364	0.07877	16032	X
J008S	10.0	K118R	151.377	221.670	347.710	145.731	0.50938	0.15315	37919	X
J011S	10.6	K118R	178.328	60.358	159.671	165.891	0.36059	0.14905	26778	X

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