MPEC 2015-H79 : DAILY ORBIT UPDATE (2015 APR. 22 UT)

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M.P.E.C. 2015-H79                                Issued 2015 Apr. 22, 12:03 UT

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                        DAILY ORBIT UPDATE (2015 APR. 22 UT)

                             Update to MPEC 2015-H64

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

Erroneous identification:
       # K06RA8H  K11O09R                                                MPO201751

New identification:
         K00AK5H  K15H09S                                       Matson
         K00AK5H  K15H09S                                       Manca
         K14Wa1J  K06KC6B  K10G39D                              Sicoli

New double designation:
         K15G25K  K15F70Q                                       MPCW
         K15G39B  K15FV8J                                       MPCW
         K15H02B  K14Wm0K                                       MPCW

New multiple-opposition orbits:
Object    H    G   Epoch     M     Peri.   Node    Incl.     e         a    Opp C
J95S10K 16.8  0.15 K156R 264.000 306.376  15.329   2.099 0.12351   3.07104   6 X
J97R01O 17.5  0.15 K156R 279.759 183.893 155.324   6.551 0.31214   2.40708   3 X
J98V19F 17.0  0.15 K156R 151.924   3.431  54.429   7.908 0.22797   2.40871   4 X
J99T49K 17.0  0.15 K156R 120.376 298.956 152.815   3.236 0.07047   2.70543   5 X
J99U49U 16.6  0.15 K156R 235.432 310.986  51.946  16.131 0.26671   2.66335   4 X
J99XN6B 18.5  0.15 K156R 220.128 338.716  58.098  12.335 0.20024   1.77617   5 X
K00AK5H 22.4  0.15 K156R 280.981 117.770 248.149   2.584 0.40581   1.14411   2 W
K01QQ2C 17.5  0.15 K156R 287.002 142.143 185.819  12.209 0.26286   2.38022   4 X
K01S08K 17.8  0.15 K156R 264.593 137.300 191.596   6.728 0.11490   2.42578   4 X
K01SJ7W 18.0  0.15 K156R 313.538 130.562 165.040   4.877 0.22569   2.37508   5 X
K01SM8E 17.4  0.15 K156R 216.485 184.487 183.567   7.019 0.10380   2.44741   6 X
K01TL2A 17.4  0.15 K156R 280.716 175.564 158.557   9.440 0.20311   2.39401   4 X
K01TN6L 15.5  0.15 K156R 135.803 341.987  93.620  10.779 0.22040   3.15066   6 X
K01TO1K 16.2  0.15 K156R 138.174  29.145  42.869  23.030 0.12477   3.14822   5 X
K01TP3J 16.0  0.15 K156R 320.201 235.758  40.832  10.776 0.06271   3.00589   6 X
K01UM4S 16.3  0.15 K156R 225.664 308.323  52.302  10.859 0.11349   3.02890   5 X
K01UM4Y 17.3  0.15 K156R 286.285 259.013  56.451   5.351 0.08241   2.43267   6 X
K01UN0S 17.3  0.15 K156R 313.567 195.613 100.478   6.974 0.12797   2.41005   6 X
K01W33O 15.7  0.15 K156R 197.393 321.559  69.902  13.372 0.11995   3.09885   3 X
K02CG2O 16.5  0.15 K156R 122.674 339.763 132.244  29.377 0.11360   2.55284   4 X
K02CV5Y 13.6  0.15 K156R  77.130 340.225 157.430   9.407 0.05436   5.13680   9 X
K02E57P 16.9  0.15 K156R  23.998  24.371 180.665   6.162 0.20178   2.60950   5 X
K02EF8U 14.6  0.15 K156R 359.544  93.133 122.044   2.464 0.09019   5.21952   5 X
K02G81K 16.8  0.15 K156R   3.381 174.131  47.425  10.164 0.15803   2.65794   4 X
K02G97P 16.9  0.15 K156R  25.237 329.720 220.278   2.377 0.13626   2.65471   6 X
K02GA8F 16.9  0.15 K156R 346.496 204.826  47.802  14.642 0.22400   2.65480   3 X
K02L01Y 22.0  0.15 K156R 267.747 134.277 247.921   2.901 0.37872   0.95489   4 X
K02M06N 16.3  0.15 K156R 301.356 177.533 117.496  10.183 0.14658   2.76050   3 X
K02N63K 17.2  0.15 K156R 294.546 235.603  78.810   2.903 0.24415   2.74112   5 X
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K02N81F	17.9	0.15	K156R	355.637	142.976	116.505	3.886	0.16727	2.22295	8	X
K02QD1C	16.1	0.15	K156R	158.312	307.404	124.860	9.406	0.10298	2.82825	4	X
K02QE7U	16.4	0.15	K156R	267.001	223.870	95.733	4.750	0.08821	2.80878	10	X
K02R66J	17.4	0.15	K156R	297.343	314.805	335.573	18.451	0.06533	1.95376	6	X
K02RP6U	16.6	0.15	K156R	105.054	270.906	165.495	13.212	0.39469	3.03406	5	X
K02T51P	17.5	0.15	K156R	268.350	308.542	41.860	7.153	0.34938	2.28126	4	X
K02TD0E	16.5	0.15	K156R	286.868	196.363	136.665	8.996	0.23338	2.77907	8	X
K02TL2Z	15.5	0.15	K156R	301.358	213.863	84.825	12.536	0.19021	2.80698	10	X
K02Tc1T	17.1	0.15	K156R	302.092	134.815	174.878	3.851	0.08776	2.81024	7	X
K02U41X	17.5	0.15	K156R	121.754	58.700	33.320	21.122	0.07164	1.99829	3	X
K03H02G	21.3	0.15	K156R	164.720	225.345	214.268	19.778	0.13459	1.06228	4	X
K03O13E	17.1	0.15	K156R	293.750	353.301	312.383	5.827	0.43462	2.62294	4	X
K03Q72S	17.0	0.15	K156R	319.728	120.484	181.143	12.839	0.27231	2.59650	4	X
K03S50D	16.5	0.15	K156R	302.362	118.962	195.601	12.596	0.18686	2.62142	5	X
K03S56O	16.7	0.15	K156R	303.005	257.181	78.308	14.116	0.31808	2.59687	5	X
K03SS0R	18.1	0.15	K156R	344.933	88.814	198.801	6.054	0.35875	2.56721	4	X
K03ST6T	17.6	0.15	K156R	237.570	291.375	34.688	21.062	0.09075	1.88938	4	X
K03SX5K	17.2	0.15	K156R	253.412	272.155	97.796	4.538	0.21876	2.66446	4	X
K03Sh2V	16.2	0.15	K156R	248.380	304.746	41.710	10.981	0.14133	2.69568	6	X
K03UA5M	17.1	0.15	K156R	323.994	264.158	31.113	6.090	0.25496	2.63587	5	X
K03Ub1W	17.5	0.15	K156R	316.587	82.758	188.859	28.332	0.32922	2.61628	5	X
K03W26T	17.9	0.15	K156R	130.449	2.851	75.523	7.120	0.12534	2.26182	4	X
K03W46R	17.8	0.15	K156R	72.231	79.672	45.098	21.649	0.27695	2.29587	4	X
K03YB8A	16.7	0.15	K156R	100.831	11.704	100.019	24.913	0.19913	2.29794	3	X
K04B85B	17.0	0.15	K156R	72.583	301.304	126.754	28.911	0.42283	2.35787	3	X
K04BF4M	17.0	0.15	K156R	54.991	63.067	94.379	3.486	0.07881	2.97320	7	X
K04C21T	18.5	0.15	K156R	70.141	297.498	200.985	2.047	0.12887	2.33555	5	X
K04C59U	16.0	0.15	K156R	76.395	63.114	56.466	7.792	0.17262	3.02165	5	X
K04C63K	16.2	0.15	K156R	66.788	61.896	90.332	9.753	0.11922	2.99176	7	X
K04E02P	17.4	0.15	K156R	34.801	331.097	219.512	3.146	0.14745	2.35729	6	X
K04E17W	16.9	0.15	K156R	12.632	112.997	125.723	10.737	0.20879	2.34997	5	X
K04F22C	16.6	0.15	K156R	354.793	42.995	204.633	4.599	0.31282	3.06757	4	X
K04F91M	17.3	0.15	K156R	350.535	147.866	99.062	8.745	0.18554	2.37316	4	X
K04F95T	17.1	0.15	K156R	34.605	161.993	358.498	25.170	0.18321	2.36270	3	X
K04FE1V	16.1	0.15	K156R	18.102	353.991	208.880	13.718	0.22514	3.10025	6	X
K04K02N	17.3	0.15	K156R	23.574	158.202	54.720	4.918	0.09171	2.37918	7	X
K04P97N	17.9	0.15	K156R	298.967	166.125	156.709	9.129	0.25800	2.45799	4	X
K04Q01Z	20.8	0.15	K156R	64.365	186.585	257.726	5.497	0.70998	1.86543	2	X
K04RO5K	17.3	0.15	K156R	260.420	174.205	161.585	9.058	0.04686	2.52909	5	X
K04T25G	17.0	0.15	K156R	222.625	166.815	194.492	26.730	0.11946	2.57380	7	X
K04TM0Q	16.8	0.15	K156R	162.129	18.933	32.536	14.871	0.08559	2.63694	2	X
K04TV5U	17.2	0.15	K156R	255.782	138.520	201.441	11.671	0.06836	2.55911	4	X
K04TW6N	16.7	0.15	K156R	256.163	38.585	286.076	13.808	0.14516	2.57809	6	X
K04V54T	15.7	0.15	K156R	181.206	276.798	88.866	26.062	0.31585	2.66224	4	X
K04V82E	16.4	0.15	K156R	42.099	123.020	62.840	14.119	0.19557	2.69576	6	X
K05F14T	17.2	0.15	K156R	24.454	68.912	129.989	9.113	0.24577	2.89730	3	X
K05G86E	18.2	0.15	K156R	326.882	131.312	146.825	2.656	0.20579	2.22553	4	X
K05GH9X	17.7	0.15	K156R	303.917	223.874	75.286	22.962	0.07861	1.84914	5	X
K05J39F	18.3	0.15	K156R	5.199	179.000	57.068	2.969	0.18506	2.23754	6	X
K05JE8B	15.8	0.15	K156R	318.329	157.243	86.510	23.821	0.10076	3.04227	5	X
K05L06S	18.3	0.15	K156R	352.795	170.354	81.422	3.709	0.13701	2.24225	6	X
K05M44C	15.9	0.15	K156R	322.238	144.502	115.217	29.693	0.20424	3.09750	4	X
K05N14G	18.2	0.15	K156R	273.123	196.736	148.495	7.634	0.24092	2.33034	4	X
K05N56A	17.3	0.15	K156R	11.509	63.733	130.998	9.143	0.54383	3.02725	3	X
K05N76J	18.4	0.15	K156R	337.970	86.723	174.070	3.868	0.19175	2.29531	4	X
K05Q18K	18.2	0.15	K156R	313.491	149.940	153.012	4.425	0.24298	2.31289	4	X
K05Q23Y	18.4	0.15	K156R	288.616	222.209	102.419	1.761	0.23189	2.33125	4	X
K05QA4Q	16.1	0.15	K156R	322.306	101.540	185.071	11.066	0.18791	3.11823	5	X
K05QH9F	18.0	0.15	K156R	273.825	246.683	84.906	2.393	0.20534	2.34691	5	X
K05S35T	18.2	0.15	K156R	306.018	190.543	112.591	3.070	0.20138	2.34844	5	X
K05S35V	17.4	0.15	K156R	331.052	202.185	75.888	3.839	0.13678	2.35904	6	X
K05S56E	17.3	0.15	K156R	230.655	292.082	73.990	2.317	0.20200	2.39963	5	X
K05SD4X	17.5	0.15	K156R	326.177	112.073	172.728	16.574	0.34313	3.05470	4	X
K05SL9J	15.0	0.15	K156R	296.479	277.984	61.055	25.684	0.32344	3.15473	5	X
K05T22F	17.7	0.15	K156R	337.770	76.875	182.402	6.508	0.09879	2.37920	5	X
K05TE7H	17.7	0.15	K156R	128.814	264.663	178.263	9.968	0.08636	2.46785	6	X
K05U05C	18.1	0.15	K156R	52.950	321.565	215.840	19.999	0.07166	1.95840	4	X
K05UI3X	17.1	0.15	K156R	336.864	249.567	47.369	15.239	0.47189	3.07600	3	X
K05UR7A	17.4	0.15	K156R	329.741	227.742	35.026	7.370	0.12050	2.42388	5	X
K05Um4G	17.0	0.15	K156R	240.483	307.405	50.531	11.617	0.11674	2.40162	8	X
K05Uq3K	16.6	0.15	K156R	294.008	138.434	165.904	4.857	0.19328	3.21087	4	X
K05VC7S	17.9	0.15	K156R	132.841	322.714	116.255	2.104	0.15660	2.46792	5	X
K05W01B	20.9	0.15	K156R	325.631	265.683	61.454	22.882	0.35554	1.26398	4	X
K05W57A	17.4	0.15	K156R	271.955	270.113	63.186	3.117	0.18035	2.41968	6	X
K05Y07L	16.7	0.15	K156R	13.193	124.841	100.824	7.595	0.20060	2.57793	4	X
K05Y65M	17.5	0.15	K156R	73.861	52.488	91.245	4.041	0.05706	2.57036	5	X
K05Y67O	17.7	0.15	K156R	63.875	192.792	290.303	12.460	0.19509	2.64024	3	X
K06A75U	17.4	0.15	K156R	20.638	95.653	113.347	4.748	0.11758	2.59758	5	X
K06B97R	16.7	0.15	K156R	79.456	78.794	55.799	8.140	0.14540	2.61768	6	X
K06BQ3A	18.4	0.15	K156R	38.436	106.400	63.435	1.998	0.19662	2.68236	2	X
K06D24S	17.2	0.15	K156R	122.108	313.821	135.877	3.571	0.11053	2.64191	6	X
K06D33J	17.3	0.15	K156R	66.795	327.758	166.274	5.642	0.16451	2.69648	4	X
K06DI2O	17.4	0.15	K156R	93.086	277.338	182.459	3.821	0.23200	2.67732	5	X
K06E16T	17.3	0.15	K156R	353.424	108.901	120.563	2.544	0.13344	2.71086	3	X
K06E34A	17.4	0.15	K156R	148.064	36.641	21.410	5.689	0.14110	2.67905	6	X
K06F49F	16.9	0.15	K156R	26.112	73.866	109.642	10.017	0.27292	2.71713	3	X
K06G54F	16.9	0.15	K156R	348.832	182.306	46.799	7.610	0.04673	2.76461	4	X
K06HF3V	15.9	0.15	K156R	79.147	83.216	61.522	26.030	0.16046	2.71874	4	X
K06J14T	17.1	0.15	K156R	251.379	189.831	147.037	6.833	0.04129	2.77195	5	X
K06J16K	17.2	0.15	K156R	14.659	139.159	89.520	3.827	0.17865	2.71528	5	X
K06K26C	16.5	0.15	K156R	60.822	352.235	171.791	13.636	0.11343	2.72257	6	X
K06K31E	16.8	0.15	K156R	304.241	269.728	49.731	9.961	0.18361	2.72107	5	X
K06K41N	16.5	0.15	K156R	336.734	223.627	67.804	14.392	0.26792	2.72557	4	X
K06K68U	16.0	0.15	K156R	287.971	255.972	62.184	13.814	0.20935	2.78457	5	X
K06KA0R	16.6	0.15	K156R	274.580	161.346	179.000	17.051	0.26589	2.73978	5	X
K06KA8K	16.7	0.15	K156R	62.862	111.815	43.386	13.906	0.15790	2.72445	5	X
K06KB6P	16.9	0.15	K156R	322.956	100.917	200.632	16.020	0.34945	2.76395	4	X
K06R43Q	16.6	0.15	K156R	256.510	151.360	182.673	10.834	0.10081	3.07192	5	X
K06R43R	16.3	0.15	K156R	250.965	164.147	187.954	19.526	0.12460	3.03738	4	X
K06R47U	17.2	0.15	K156R	188.714	280.710	125.844	8.471	0.17567	2.23472	6	X
K06RB0S	16.6	0.15	K156R	101.138	275.186	190.935	9.311	0.07797	3.22144	6	X
K06S30X	18.8	0.15	K156R	311.545	101.070	199.717	5.146	0.22955	2.14651	4	X

K06S56W	17.3	0.15	K156R	200.552	297.411	91.021	6.505	0.20777	2.24859	4	X
K06S93E	18.3	0.15	K156R	285.525	120.224	200.355	4.252	0.21693	2.19746	4	X
K06SA6E	16.8	0.15	K156R	243.516	319.973	17.863	3.240	0.10151	3.11184	6	X
K06SD0Z	17.8	0.15	K156R	103.989	253.594	202.633	4.416	0.19740	2.33921	5	X
K06SL6M	18.1	0.15	K156R	258.860	184.194	154.223	3.818	0.09974	2.22121	4	X
K06ST7H	16.3	0.15	K156R	85.762	324.107	176.370	9.610	0.01933	3.12130	6	X
K06Sb9F	16.5	0.15	K156R	85.745	317.879	179.188	10.631	0.03738	3.10014	7	X
K06T02P	16.0	0.15	K156R	32.192	134.411	45.698	9.897	0.03948	3.17349	5	X
K06U14Y	15.7	0.15	K156R	270.392	281.287	49.607	27.058	0.16056	3.09642	4	X
K06UA0J	18.2	0.15	K156R	269.842	158.069	179.211	6.240	0.15227	2.22090	7	X
K06UC3T	16.9	0.15	K156R	308.871	86.347	197.910	4.739	0.13219	3.07165	6	X
K06UD5D	17.7	0.15	K156R	320.252	245.162	47.926	7.847	0.16235	2.20321	4	X
K06UF7X	16.3	0.15	K156R	138.681	39.587	37.500	12.281	0.05457	3.21084	5	X
K06UO2C	15.7	0.15	K156R	31.044	353.730	207.275	26.846	0.06791	3.12463	5	X
K06UW1A	18.0	0.15	K156R	358.811	160.805	67.475	7.128	0.18332	2.31687	5	X
K06V56T	18.4	0.15	K156R	80.957	48.555	76.183	3.135	0.18988	2.37175	4	X
K06V87L	17.0	0.15	K156R	87.506	167.594	290.855	4.384	0.18765	2.38979	5	X
K06VC7G	15.9	0.15	K156R	320.468	244.242	36.098	16.952	0.15288	3.14253	4	X
K06W59X	15.6	0.15	K156R	298.182	49.697	228.714	26.518	0.17715	3.17033	6	X
K07A28G	17.7	0.15	K156R	25.573	63.927	143.582	2.121	0.16293	2.39795	6	X
K07B12B	17.2	0.15	K156R	308.011	310.664	329.744	14.205	0.13102	2.41437	5	X
K07B99V	17.6	0.15	K156R	10.326	181.337	44.126	2.547	0.12085	2.38080	7	X
K07C51V	16.8	0.15	K156R	39.498	81.442	80.271	8.104	0.12496	2.46251	4	X
K07C58U	17.0	0.15	K156R	43.572	108.079	75.390	7.302	0.16021	2.44492	4	X
K07D17Q	17.4	0.15	K156R	47.880	23.036	156.225	7.814	0.03581	2.43732	4	X
K07D26R	18.0	0.15	K156R	2.773	186.691	42.506	2.045	0.15298	2.46746	4	X
K07D28P	17.1	0.15	K156R	162.959	278.775	147.833	7.484	0.09696	2.41978	6	X
K07D78H	17.8	0.15	K156R	350.403	34.525	213.009	0.749	0.14862	2.42688	6	X
K07D84F	17.5	0.15	K156R	42.108	29.115	154.210	3.473	0.05908	2.45227	6	X
K07E00C	22.2	0.15	K156R	278.414	46.172	307.745	5.854	0.19559	0.92813	2	X
K07EE6H	17.7	0.15	K156R	25.578	120.150	88.773	2.286	0.13741	2.46480	6	X
K07EE7M	18.1	0.15	K156R	22.045	60.171	140.687	4.413	0.10892	2.48477	3	X
K07EM4F	16.8	0.15	K156R	220.604	162.711	199.634	14.244	0.11971	2.52118	4	X
K07F35T	18.7	0.15	K156R	359.640	76.194	179.728	22.880	0.07130	1.89475	4	X
K07G49D	16.7	0.15	K156R	307.463	296.469	44.954	30.872	0.49705	2.53932	6	X
K07G76M	17.5	0.15	K156R	351.123	202.094	36.643	18.255	0.11312	2.53985	3	X
K07H34E	17.2	0.15	K156R	332.829	204.247	38.204	17.385	0.07022	2.57504	3	X
K07H36L	18.7	0.15	K156R	351.766	205.269	41.422	9.712	0.22633	2.54121	3	X
K07H59R	17.8	0.15	K156R	4.282	172.867	43.560	5.721	0.11009	2.54549	4	X
K07H62Q	18.3	0.15	K156R	50.461	331.847	211.348	20.101	0.05391	1.92423	6	X
K07H75X	17.5	0.15	K156R	15.272	14.671	205.614	4.590	0.17533	2.53097	7	X
K07J29M	17.2	0.15	K156R	341.444	184.222	77.891	5.568	0.20222	2.55175	4	X
K07K01R	17.2	0.15	K156R	346.253	86.209	176.120	12.064	0.25970	2.55198	3	X
K07L14M	16.9	0.15	K156R	9.710	321.319	236.249	16.053	0.15001	2.60527	6	X
K07P20S	16.8	0.15	K156R	258.152	183.094	162.091	10.040	0.21604	2.73513	4	X
K07P27Z	16.9	0.15	K156R	335.184	191.796	97.933	7.291	0.26428	2.61481	5	X
K07P49H	17.7	0.15	K156R	348.500	120.927	150.505	29.512	0.37475	2.57885	3	X
K07R83W	16.7	0.15	K156R	270.026	171.336	163.866	8.535	0.22875	2.75296	7	X
K07RD2R	15.9	0.15	K156R	307.602	332.619	303.375	14.161	0.11850	2.85184	5	X
K07RG6A	16.5	0.15	K156R	314.052	108.585	175.119	24.696	0.14913	2.72658	3	X
K07RJ9G	16.8	0.15	K156R	259.846	160.591	189.492	8.075	0.22650	2.74459	5	X
K07RK5J	16.6	0.15	K156R	342.965	51.317	202.319	11.885	0.09565	2.80203	4	X
K07RN9V	16.5	0.15	K156R	297.565	266.259	56.234	8.080	0.30955	2.67620	6	X
K07RU0R	17.0	0.15	K156R	334.427	83.962	184.072	7.760	0.18524	2.73879	7	X
K07RW3C	16.3	0.15	K156R	236.167	304.317	46.511	10.203	0.08096	2.97615	6	X
K07TE2N	16.1	0.15	K156R	88.198	250.636	203.057	13.092	0.28811	3.16558	5	X
K07TN9G	16.3	0.15	K156R	112.432	48.994	35.433	17.267	0.22487	3.08885	3	X
K07TU5S	16.7	0.15	K156R	311.984	96.294	204.824	8.081	0.16975	2.71637	6	X
K07Ta2M	16.3	0.15	K156R	149.395	7.362	58.516	9.873	0.10236	3.04939	3	X
K07Tj2D	16.1	0.15	K156R	126.420	31.738	64.550	16.938	0.05904	3.04972	4	X
K07UE0V	15.9	0.15	K156R	57.524	79.953	60.714	10.746	0.07450	3.14329	5	X
K07V90U	16.1	0.15	K156R	118.662	228.048	204.167	8.986	0.22418	3.15647	5	X
K07VB1P	16.5	0.15	K156R	119.712	8.997	70.054	1.610	0.19686	3.13629	6	X
K07VF6J	16.7	0.15	K156R	101.955	64.676	37.359	9.455	0.13327	3.11531	4	X
K07VG8N	16.3	0.15	K156R	129.836	7.332	64.320	11.630	0.21314	3.14682	4	X
K07VH9G	16.4	0.15	K156R	153.545	6.761	55.445	10.250	0.06466	2.99461	6	X
K07VJ4C	16.2	0.15	K156R	33.258	111.717	55.203	12.184	0.13552	3.14003	6	X
K07VN0F	17.0	0.15	K156R	115.460	37.450	56.425	2.900	0.09528	3.07873	5	X
K07VS1O	16.9	0.15	K156R	173.336	345.153	60.381	3.301	0.08226	3.02893	5	X
K07Y05L	16.4	0.15	K156R	107.980	29.345	72.906	17.503	0.17425	3.15246	4	X
K08A18K	18.5	0.15	K156R	104.161	5.377	113.314	6.659	0.10280	2.20784	4	X
K08A64N	18.6	0.15	K156R	119.749	299.801	163.537	3.722	0.08385	2.19889	5	X
K08B14X	15.7	0.15	K156R	231.910	271.661	88.896	14.946	0.04030	3.22288	6	X
K08C01K	18.2	0.15	K156R	34.705	340.247	157.739	31.261	0.41934	2.32697	2	X
K08C78L	17.4	0.15	K156R	355.888	187.193	58.311	3.825	0.08952	2.16618	6	X
K08CJ1E	17.7	0.15	K156R	68.653	21.291	143.990	7.061	0.00810	2.21368	4	X
K08D68U	18.2	0.15	K156R	38.244	12.967	165.542	6.048	0.17226	2.29871	4	X
K08E78E	18.2	0.15	K156R	17.864	66.477	154.612	4.295	0.11321	2.26915	5	X
K08EE9S	17.9	0.15	K156R	7.732	57.772	184.312	6.107	0.13179	2.25567	4	X
K08EF0S	17.5	0.15	K156R	317.977	198.841	101.187	4.604	0.17269	2.26565	8	X
K08EF2D	18.1	0.15	K156R	351.092	27.415	214.574	1.701	0.16391	2.29519	4	X
K08F16Z	17.3	0.15	K156R	349.779	257.743	347.854	8.384	0.07785	2.25782	5	X
K08F52D	18.8	0.15	K156R	15.873	33.870	179.425	6.619	0.17122	2.29345	3	X
K08F66Q	18.1	0.15	K156R	70.900	3.139	144.308	1.964	0.10283	2.31918	6	X
K08F68M	18.3	0.15	K156R	13.462	60.757	173.312	4.270	0.09862	2.27771	6	X
K08F68T	17.6	0.15	K156R	298.394	217.085	93.900	2.765	0.20979	2.31461	6	X
K08F84D	18.6	0.15	K156R	24.287	87.633	111.938	2.757	0.12034	2.30487	5	X
K08FA2N	17.9	0.15	K156R	16.992	75.161	148.632	5.698	0.21825	2.29926	5	X
K08FD1Z	17.9	0.15	K156R	343.272	207.922	41.213	6.197	0.13368	2.32967	5	X
K08G04A	19.2	0.15	K156R	68.320	0.660	83.094	6.319	0.66945	1.76992	3	X
K08G06D	18.0	0.15	K156R	84.354	42.501	89.106	5.521	0.15047	2.28650	4	X
K08G11H	17.3	0.15	K156R	345.044	215.812	42.968	7.119	0.09502	2.30942	7	X
K08G11V	18.6	0.15	K156R	17.651	166.849	53.934	5.126	0.20783	2.31269	3	X
K08G36W	17.6	0.15	K156R	58.208	358.412	164.154	6.579	0.16257	2.30695	5	X
K08G43F	17.9	0.15	K156R	25.102	178.579	26.292	6.292	0.05972	2.29342	5	X
K08G46C	18.8	0.15	K156R	0.703	113.313	127.199	4.550	0.17542	2.31082	3	X
K08G49Q	17.9	0.15	K156R	29.798	112.775	76.971	3.369	0.14577	2.31644	5	X
K08G61Y	18.1	0.15	K156R	354.707	146.178	103.699	7.126	0.13547	2.28703	5	X
K08G85P	18.3	0.15	K156R	356.686	84.939	152.365	5.995	0.11473	2.31857	5	X
K08G86X	18.4	0.15	K156R	52.120	117.471	50.526	8.483	0.12852	2.29046	3	X
K08H02C	19.7	0.15	K156R	330.709	142.994	211.809	45.493	0.52253	1.24364	2	X
K08H06E	18.4	0.15	K156R	344.871	216.438	39.754	5.894	0.19664	2.30454	3	X

K08H41P	18.2	0.15	K156R	305.174	259.583	42.372	5.013	0.23094	2.33579	5	X
K08H46N	18.5	0.15	K156R	348.219	152.195	99.934	3.347	0.18565	2.32956	4	X
K08J03P	17.4	0.15	K156R	83.889	358.300	123.555	7.746	0.06106	2.35270	3	X
K08J11R	18.6	0.15	K156R	355.831	148.578	92.456	3.567	0.12953	2.32888	4	X
K08J15Q	18.4	0.15	K156R	6.236	55.740	171.199	4.291	0.09761	2.33207	4	X
K08K02V	21.3	0.15	K156R	222.417	347.532	67.061	5.057	0.41187	0.84968	3	X
K08K35C	17.6	0.15	K156R	312.396	221.952	77.421	8.634	0.21942	2.33813	4	X
K08R03G	13.2	0.15	K156R	158.525	215.933	196.121	9.596	0.01453	5.15528	11	X
K08R35A	18.4	0.15	K156R	91.680	305.711	174.512	23.982	0.02225	1.89908	3	X
K08RC2H	14.0	0.15	K156R	359.974	2.319	203.779	10.012	0.05694	5.25929	5	X
K08SA1G	16.7	0.15	K156R	134.097	29.571	45.663	10.661	0.10103	2.72858	3	X
K08SA5F	16.4	0.15	K156R	47.431	332.193	206.782	12.564	0.09883	2.69619	6	X
K08SJ4V	17.5	0.15	K156R	268.517	132.641	200.548	7.913	0.17813	2.56537	3	X
K08SN3D	17.6	0.15	K156R	285.107	243.442	65.168	3.997	0.07609	2.56272	3	X
K08T66U	16.9	0.15	K156R	194.719	213.661	174.239	4.516	0.10906	2.66802	9	X
K08TA4N	18.8	0.15	K156R	258.321	128.048	206.057	20.252	0.01856	1.88853	5	X
K08TB4J	17.0	0.15	K156R	243.153	171.704	182.933	7.556	0.12578	2.59967	5	X
K08U00C	18.9	0.15	K156R	122.849	338.013	99.236	10.252	0.45285	1.97596	5	X
K08U43B	17.3	0.15	K156R	236.666	308.873	49.781	14.032	0.20886	2.61403	4	X
K08U78U	16.7	0.15	K156R	101.530	262.813	191.464	8.861	0.19919	2.77746	6	X
K08U93R	16.3	0.15	K156R	156.110	351.195	67.856	18.206	0.21218	2.75569	3	X
K08UC8F	16.8	0.15	K156R	305.760	244.486	67.452	13.283	0.11946	2.60829	3	X
K08UG0S	16.8	0.15	K156R	214.881	317.887	56.775	7.368	0.08921	2.72061	4	X
K08UK6T	16.7	0.15	K156R	228.115	226.844	135.015	4.460	0.12801	2.64956	7	X
K08UQ1U	17.4	0.15	K156R	205.838	105.037	250.564	18.657	0.09321	1.95450	5	X
K08UQ8A	16.7	0.15	K156R	220.733	313.118	46.916	10.795	0.04860	2.69134	4	X
K08V59T	18.0	0.15	K156R	289.423	274.817	51.186	21.418	0.09807	1.86273	3	X
K08W87X	17.1	0.15	K156R	105.068	277.448	193.147	3.554	0.05663	2.76699	6	X
K08W89F	16.3	0.15	K156R	203.242	304.733	95.062	5.504	0.07503	2.80120	7	X
K08X43W	15.9	0.15	K156R	44.795	27.629	137.301	29.325	0.17352	3.15240	5	X
K08X48P	15.9	0.15	K156R	22.726	40.317	109.784	27.908	0.16490	3.19384	3	X
K08X48U	16.0	0.15	K156R	59.617	334.906	108.769	20.776	0.25626	3.21320	2	X
K08Y47Y	15.8	0.15	K156R	38.272	33.325	101.380	12.839	0.14266	3.15622	4	X
K08Y48O	16.9	0.15	K156R	112.682	37.024	65.522	1.851	0.05237	2.96167	6	X
K08YD0D	16.3	0.15	K156R	103.155	9.638	97.831	6.710	0.10434	2.93404	6	X
K08YE4T	16.7	0.15	K156R	157.439	273.290	148.716	6.734	0.07540	2.92051	6	X
K08YF8U	17.1	0.15	K156R	22.796	65.536	136.518	26.981	0.33389	3.15585	3	X
K08YG0A	17.9	0.15	K156R	132.163	113.170	324.931	14.675	0.12208	2.00186	4	X
K09A26L	17.0	0.15	K156R	108.255	352.258	104.164	2.011	0.14210	2.98032	5	X
K09A46M	16.7	0.15	K156R	90.824	261.852	207.181	4.556	0.12551	3.03549	5	X
K09B52U	16.1	0.15	K156R	91.733	351.619	121.284	8.143	0.02507	3.05977	6	X
K09B92O	16.8	0.15	K156R	80.991	321.424	147.405	0.179	0.20112	3.10541	4	X
K09BA5N	16.5	0.15	K156R	28.642	34.876	151.134	13.111	0.08977	3.09802	3	X
K09BB9P	16.9	0.15	K156R	353.200	161.413	80.439	3.212	0.25718	3.09116	4	X
K09BD1U	16.2	0.15	K156R	117.085	17.160	80.233	13.032	0.13186	2.99246	4	X
K09BG6X	16.5	0.15	K156R	22.448	48.391	142.731	11.067	0.16983	3.14506	3	X
K09C30M	16.7	0.15	K156R	68.351	17.396	125.793	7.117	0.17151	3.09429	3	X
K09C52V	16.7	0.15	K156R	26.805	54.513	131.797	3.402	0.16351	3.13943	4	X
K09C59E	16.7	0.15	K156R	52.767	9.472	142.220	6.852	0.14042	3.16288	3	X
K09D11G	16.1	0.15	K156R	124.489	12.864	70.696	6.681	0.15615	3.08837	6	X
K09D44Q	16.0	0.15	K156R	58.886	114.473	20.632	9.707	0.04938	3.17025	4	X
K09D56F	17.1	0.15	K156R	33.865	97.488	64.530	2.313	0.29095	3.23447	3	X
K09D62Q	16.8	0.15	K156R	348.540	124.334	117.817	3.035	0.16925	3.11140	4	X
K09DB8G	16.6	0.15	K156R	17.709	35.386	171.939	8.002	0.12067	3.13225	3	X
K09DD1X	16.4	0.15	K156R	55.467	331.258	182.436	16.886	0.17283	3.16443	9	X
K09E01B	20.7	0.15	K156R	345.736	187.516	151.355	12.508	0.45437	1.10645	2	X
K09E31F	16.2	0.15	K156R	22.431	126.642	84.188	9.295	0.26064	3.14984	3	X
K09F40P	16.4	0.15	K156R	65.273	323.385	174.524	12.157	0.20264	3.18085	6	X
K09F57D	16.3	0.15	K156R	59.628	88.474	48.620	26.027	0.28394	3.17437	4	X
K09H15C	15.7	0.15	K156R	273.581	272.211	41.942	12.738	0.13658	3.23823	4	X
K09J02O	19.3	0.15	K156R	174.223	239.680	203.477	19.633	0.47822	0.88840	4	X
K09Q01B	18.2	0.15	K156R	304.967	169.002	134.116	4.806	0.19057	2.19234	3	X
K09Q21M	17.6	0.15	K156R	298.045	194.293	124.580	3.798	0.22063	2.18844	9	X
K09S27T	14.0	0.15	K156R	150.397	216.622	191.675	28.374	0.08907	5.13128	2	X
K09S54N	15.7	0.15	K156R	306.389	89.085	200.005	3.749	0.20865	3.99170	4	X
K09SM2Y	17.7	0.15	K156R	9.486	238.839	322.735	4.905	0.07427	2.36187	5	X
K09T36W	17.2	0.15	K156R	217.982	319.646	55.852	7.470	0.14110	2.35869	7	X
K09U25S	17.3	0.15	K156R	240.926	205.364	150.391	3.911	0.26951	2.32274	5	X
K09U95N	13.6	0.15	K156R	105.498	52.355	50.280	8.906	0.06406	5.30977	7	X
K09V06Q	14.2	0.15	K156R	233.135	59.151	273.424	1.334	0.00684	5.34536	7	X
K09WB2U	13.2	0.15	K156R	199.582	317.421	63.411	17.558	0.02381	5.24504	6	X
K09WC7L	16.9	0.15	K156R	359.191	182.565	74.718	15.527	0.12441	2.39099	4	X
K10A34Q	17.8	0.15	K156R	77.740	335.088	156.926	4.964	0.12652	2.69936	5	X
K10A55X	16.2	0.15	K156R	25.521	64.475	126.823	10.147	0.07694	2.73675	5	X
K10A63V	16.5	0.15	K156R	62.054	21.473	109.199	9.328	0.17328	2.80434	4	X
K10A68W	16.2	0.15	K156R	4.118	154.681	78.828	10.266	0.08686	2.58962	6	X
K10B02O	16.9	0.15	K156R	141.282	330.009	108.979	6.361	0.06953	2.60683	6	X
K10B94Y	15.3	0.15	K156R	184.733	282.461	79.148	26.949	0.17993	3.18931	4	X
K10C33O	17.1	0.15	K156R	97.276	32.339	83.775	4.920	0.06364	2.71403	6	X
K10C80W	16.6	0.15	K156R	99.716	329.123	160.583	9.018	0.06255	2.71326	6	X
K10D00M	19.0	0.15	K156R	332.484	220.424	141.279	5.051	0.84154	2.07766	5	X
K10E43J	21.0	0.15	K156R	185.403	21.429	26.761	6.654	0.46080	1.14781	3	X
K10E75N	17.1	0.15	K156R	338.777	97.161	163.288	12.300	0.05582	2.73247	6	X
K10EA0D	17.3	0.15	K156R	15.927	337.220	200.153	9.729	0.36237	2.99688	3	X
K10F88Q	16.9	0.15	K156R	77.698	316.901	191.522	17.575	0.07057	2.83602	3	X
K10G32V	16.9	0.15	K156R	13.607	39.851	160.440	9.972	0.13926	2.74090	6	X
K10G62V	17.8	0.15	K156R	314.816	246.145	41.249	36.697	0.03130	1.82286	3	X
K10GA5J	16.6	0.15	K156R	47.806	359.247	173.376	8.491	0.11930	2.93787	3	X
K10H79G	18.5	0.15	K156R	316.172	253.689	47.314	22.017	0.07788	1.82515	2	X
K10J14P	15.8	0.15	K156R	16.538	160.972	70.550	28.492	0.01530	2.59716	6	X
K10J47Y	18.2	0.15	K156R	76.445	53.969	76.406	23.691	0.08610	1.89888	3	X
K10J88G	19.4	0.15	K156R	18.478	106.060	213.384	30.608	0.38467	1.37380	5	X
K10JC2P	15.6	0.15	K156R	194.603	282.786	95.937	12.222	0.01600	3.12818	8	X
K10K08R	17.4	0.15	K156R	341.126	181.012	73.955	21.913	0.06249	1.88060	4	X
K10V54D	14.1	0.15	K156R	78.348	43.818	76.587	7.138	0.06656	5.19112	6	X
K10V72R	18.4	0.15	K156R	146.151	343.693	86.876	4.137	0.17026	2.16136	7	X
K10VH9D	13.8	0.15	K156R	129.079	15.834	58.819	26.517	0.20914	5.20881	4	X
K10Y01F	18.3	0.15	K156R	38.849	329.995	201.540	1.595	0.21980	2.36525	3	X
K11A11F	18.1	0.15	K156R	65.622	302.553	186.277	5.404	0.32025	2.39413	4	X
K11A24M	20.3	0.15	K156R	298.019	214.812	127.247	9.135	0.14985	1.17829	2	X
K11A44R	18.3	0.15	K156R	48.234	71.228	98.376	2.071	0.12627	2.35396	5	X
K11A53D	17.7	0.15	K156R	48.031	61.614	95.437	5.990	0.16477	2.41325	2	X

K11A60K	17.9	0.15	K156R	308.469	172.868	128.135	3.791	0.09405	2.19697	6	X
K11A60S	18.3	0.15	K156R	131.616	3.914	84.660	2.849	0.10211	2.26617	4	X
K11A65X	18.4	0.15	K156R	36.257	86.176	100.756	3.239	0.10675	2.34037	5	X
K11B25Y	17.9	0.15	K156R	303.965	213.739	99.229	4.902	0.18608	2.15822	9	X
K11B27U	18.0	0.15	K156R	131.908	294.536	146.893	6.076	0.16746	2.34012	5	X
K11C16U	17.6	0.15	K156R	103.858	319.200	144.920	6.861	0.16645	2.35426	3	X
K11C51N	18.4	0.15	K156R	19.798	72.020	133.633	2.779	0.13908	2.37809	4	X
K11C72Q	17.7	0.15	K156R	107.881	28.381	88.920	4.279	0.17849	2.28755	4	X
K11C91P	17.7	0.15	K156R	68.195	353.956	169.337	6.782	0.04327	2.31953	7	X
K11C92D	17.6	0.15	K156R	123.619	245.024	195.465	2.216	0.16265	2.37085	4	X
K11D01Z	18.1	0.15	K156R	37.964	48.827	139.335	5.641	0.12989	2.35418	4	X
K11D05U	18.3	0.15	K156R	84.311	327.550	158.422	2.765	0.15059	2.40591	3	X
K11D18K	18.1	0.15	K156R	333.173	220.044	48.004	1.930	0.15445	2.43390	5	X
K11D21A	18.1	0.15	K156R	37.880	124.941	56.658	0.359	0.15965	2.39282	5	X
K11D28T	18.1	0.15	K156R	270.718	180.226	158.464	2.948	0.19345	2.24404	6	X
K11D29D	18.0	0.15	K156R	33.673	29.116	155.642	3.906	0.13251	2.39613	5	X
K11D49N	17.7	0.15	K156R	32.362	18.007	181.715	5.475	0.13918	2.36681	7	X
K11E07G	18.3	0.15	K156R	25.628	341.337	211.841	1.552	0.15459	2.39755	3	X
K11E09Z	16.9	0.15	K156R	48.352	294.017	177.648	29.221	0.38025	2.59446	3	X
K11E22K	17.8	0.15	K156R	12.551	96.226	108.143	5.574	0.14897	2.46655	4	X
K11E24Q	17.6	0.15	K156R	7.008	140.005	94.137	2.317	0.14839	2.43006	5	X
K11E32A	17.8	0.15	K156R	355.174	65.596	174.309	7.829	0.17157	2.41415	3	X
K11E32X	18.0	0.15	K156R	24.462	32.204	171.455	2.204	0.16313	2.43606	5	X
K11E42A	17.6	0.15	K156R	45.756	79.862	98.977	4.256	0.13438	2.42413	7	X
K11E45E	16.8	0.15	K156R	29.578	96.801	44.754	24.656	0.36043	2.57207	3	X
K11E46X	17.7	0.15	K156R	30.673	104.338	92.172	6.242	0.15662	2.40331	4	X
K11E83A	18.4	0.15	K156R	25.532	48.647	155.341	5.607	0.17353	2.42096	4	X
K11F11Z	17.5	0.15	K156R	336.867	226.947	34.758	8.178	0.21715	2.55940	4	X
K11F35B	17.5	0.15	K156R	330.172	189.454	82.372	3.044	0.14589	2.45450	9	X
K11F70J	17.4	0.15	K156R	13.455	174.930	40.290	5.995	0.14216	2.43524	4	X
K11F79Z	17.9	0.15	K156R	20.729	130.270	74.531	4.913	0.13843	2.46038	6	X
K11FC7B	16.6	0.15	K156R	273.946	217.806	62.504	14.547	0.13399	2.62747	5	X
K11FE0W	16.1	0.15	K156R	350.123	189.390	38.271	16.328	0.12458	2.60393	4	X
K11FE2C	17.7	0.15	K156R	29.539	140.554	44.380	11.363	0.15046	2.53832	5	X
K11G03O	16.9	0.15	K156R	345.090	192.722	66.701	3.978	0.18130	2.48372	6	X
K11G03W	17.8	0.15	K156R	36.837	36.283	168.229	5.037	0.09764	2.43389	5	X
K11G58K	17.4	0.15	K156R	47.143	334.165	188.627	13.277	0.16868	2.55158	6	X
K11G69W	17.3	0.15	K156R	50.230	322.206	195.626	4.286	0.17206	2.55441	6	X
K11G76N	16.5	0.15	K156R	47.203	74.897	60.124	14.329	0.05128	2.69231	3	X
K11G77F	16.7	0.15	K156R	65.173	115.559	29.386	16.247	0.09282	2.57177	3	X
K11G83D	17.1	0.15	K156R	25.323	129.184	58.707	11.063	0.02121	2.55878	4	X
K11H13V	17.7	0.15	K156R	46.620	325.931	191.359	13.106	0.19619	2.55786	3	X
K11H14U	17.8	0.15	K156R	56.968	354.197	180.108	6.249	0.07574	2.48154	6	X
K11H19M	18.2	0.15	K156R	26.238	10.233	183.266	4.086	0.16953	2.58411	3	X
K11H26A	16.6	0.15	K156R	331.224	174.418	52.733	12.764	0.12858	2.69364	2	X
K11H42A	16.6	0.15	K156R	47.008	318.528	203.739	31.387	0.15153	2.60694	4	X
K11H44Z	17.4	0.15	K156R	46.057	322.990	203.293	11.690	0.11718	2.56939	4	X
K11H54H	16.8	0.15	K156R	123.946	317.980	148.387	8.122	0.10094	2.51208	6	X
K11H56O	17.6	0.15	K156R	334.911	84.554	177.733	7.192	0.17955	2.57796	3	X
K11H59V	16.8	0.15	K156R	359.822	117.955	77.454	14.795	0.14897	2.70889	3	X
K11H77V	17.1	0.15	K156R	296.254	240.829	73.177	8.085	0.19419	2.59039	4	X
K11H79R	17.6	0.15	K156R	319.719	155.246	126.917	5.813	0.12294	2.56253	5	X
K11J02X	17.0	0.15	K156R	37.057	79.648	70.486	27.850	0.23545	2.63721	3	X
K11J05B	17.5	0.15	K156R	37.698	349.766	194.650	13.199	0.18003	2.55521	3	X
K11J08Q	16.1	0.15	K156R	300.047	218.380	91.064	13.844	0.24791	2.60963	6	X
K11J11L	16.8	0.15	K156R	13.383	157.666	54.454	12.803	0.13938	2.55686	5	X
K11J17D	17.4	0.15	K156R	358.909	203.265	46.626	8.314	0.28288	2.54425	3	X
K11J17X	17.3	0.15	K156R	345.231	148.063	98.426	7.751	0.19279	2.60496	4	X
K11J21G	16.7	0.15	K156R	271.483	239.100	106.969	10.174	0.23332	2.58505	6	X
K11J21Q	17.8	0.15	K156R	329.988	163.488	103.584	3.655	0.15183	2.56757	3	X
K11J26H	17.1	0.15	K156R	253.574	262.731	70.763	11.137	0.03683	2.61874	3	X
K11J30A	17.2	0.15	K156R	346.280	187.958	54.814	15.014	0.20296	2.59339	2	X
K11K03K	16.5	0.15	K156R	8.869	77.970	149.257	5.057	0.11075	2.57486	7	X
K11K03W	17.0	0.15	K156R	329.501	213.928	81.511	7.277	0.26050	2.55018	5	X
K11K04U	17.3	0.15	K156R	340.093	186.430	73.112	9.977	0.13349	2.58068	3	X
K11K23L	17.4	0.15	K156R	43.357	349.681	187.238	7.914	0.16608	2.58742	3	X
K11K27C	16.8	0.15	K156R	310.176	227.264	67.664	8.582	0.19062	2.60321	4	X
K11K31B	17.5	0.15	K156R	22.541	109.029	92.298	3.550	0.15573	2.60233	4	X
K11K33K	17.1	0.15	K156R	345.142	95.843	163.358	7.647	0.15910	2.57909	7	X
K11K33T	17.2	0.15	K156R	351.873	145.606	110.570	5.950	0.20658	2.54761	6	X
K11K37Q	17.3	0.15	K156R	307.633	211.849	77.830	14.719	0.15296	2.62915	5	X
K11L01C	17.3	0.15	K156R	333.922	90.190	194.290	10.578	0.37003	2.60698	4	X
K11L06K	16.4	0.15	K156R	248.555	273.708	88.854	14.733	0.20472	2.64489	5	X
K11O20H	16.4	0.15	K156R	265.304	217.844	121.925	7.687	0.23615	2.93355	5	X
K11O46B	17.0	0.15	K156R	275.684	240.951	87.836	5.862	0.15645	2.80371	5	X
K11P10X	16.2	0.15	K156R	235.147	299.014	49.697	9.920	0.09867	3.07284	6	X
K11Q37H	16.9	0.15	K156R	293.692	213.274	91.629	2.308	0.19121	2.97678	4	X
K11Q77P	16.0	0.15	K156R	295.462	126.880	160.095	6.413	0.07227	3.17483	5	X
K11R12R	19.3	0.15	K156R	228.584	182.426	195.045	7.084	0.32699	1.73746	4	X
K11R14E	16.6	0.15	K156R	282.471	131.045	179.813	15.702	0.05318	3.12597	5	X
K11R18Z	16.8	0.15	K156R	280.274	208.417	114.716	2.643	0.16448	3.11796	3	X
K11S32X	16.0	0.15	K156R	281.599	146.993	175.499	10.088	0.14255	3.04775	5	X
K11S71V	17.9	0.15	K156R	355.626	190.462	80.621	13.421	0.61040	2.62639	4	X
K11SB5T	16.0	0.15	K156R	248.684	204.300	146.735	7.972	0.23921	3.17188	7	X
K11SJ8O	16.6	0.15	K156R	270.789	261.076	58.389	2.960	0.09798	3.15005	6	X
K11T13W	16.0	0.15	K156R	318.606	224.906	52.624	3.707	0.15764	3.17103	5	X
K11U17T	15.9	0.15	K156R	296.830	258.586	41.315	14.161	0.28696	3.12260	6	X
K11UD0B	16.1	0.15	K156R	341.218	143.442	118.124	2.050	0.12302	3.10852	9	X
K11UG8O	17.1	0.15	K156R	285.587	113.250	195.323	12.029	0.07246	3.14760	4	X
K11UH6G	16.2	0.15	K156R	314.306	256.568	38.133	22.913	0.29468	3.15019	3	X
K11V16G	15.8	0.15	K156R	305.579	254.602	45.152	16.107	0.25110	3.16679	4	X
K11W15K	19.7	0.15	K156R	41.926	55.860	105.250	7.038	0.47153	1.99204	3	X
K11W33U	16.0	0.15	K156R	300.586	254.218	60.482	14.295	0.30255	3.16630	5	X
K11W45J	17.5	0.15	K156R	199.620	296.758	78.653	26.653	0.07599	1.86329	4	X
K12A11R	17.7	0.15	K156R	113.303	114.221	343.761	18.069	0.10256	1.95339	3	X
K12A12Z	18.7	0.15	K156R	116.383	342.783	150.279	23.589	0.04363	1.84463	3	X
K12F23P	17.8	0.15	K156R	66.966	334.336	213.295	21.859	0.00212	1.93812	4	X
K12H15S	20.6	0.15	K156R	341.734	157.385	134.698	8.366	0.49546	2.11127	3	W
K12H17U	17.4	0.15	K156R	301.839	200.447	84.771	6.560	0.19233	2.21037	8	X
K12J11G	19.0	0.15	K156R	168.477	280.362	165.587	24.723	0.43255	0.96227	4	X
K12J37H	19.0	0.15	K156R	328.880	173.694	103.696	1.098	0.15489	2.14028	4	X
K12M00K	20.0	0.15	K156R	354.720	98.010	167.444	3.718	0.29104	2.11734	4	X

K12M03G	17.7	0.15	K156R	352.271	62.102	179.684	5.944	0.11354	2.29862	9	X
K12M04V	20.2	0.15	K156R	332.380	60.668	256.295	6.479	0.52465	2.15004	3	X
K12P37J	18.3	0.15	K156R	297.375	183.958	132.648	3.160	0.24336	2.34508	5	X
K12Q16G	18.1	0.15	K156R	331.779	58.301	209.094	2.299	0.18680	2.39047	6	X
K12R28E	16.8	0.15	K156R	174.862	248.414	161.091	9.445	0.16311	2.73559	8	X
K12R32P	17.1	0.15	K156R	287.906	272.384	40.821	7.576	0.11811	2.48378	4	X
K12R40D	17.3	0.15	K156R	287.070	274.904	60.863	5.334	0.27937	2.29156	8	X
K12S09M	16.2	0.15	K156R	334.936	225.615	4.315	8.912	0.06615	2.78022	2	X
K12S21A	16.7	0.15	K156R	224.028	207.089	167.720	12.779	0.13575	2.66268	5	X
K12S27U	16.3	0.15	K156R	40.693	353.839	195.268	9.503	0.08377	2.73643	5	X
K12S58R	17.4	0.15	K156R	269.078	251.277	89.943	3.100	0.23563	2.44875	4	X
K12S60K	18.0	0.15	K156R	318.398	119.976	175.281	4.784	0.21960	2.35383	4	X
K12S63X	16.3	0.15	K156R	203.494	339.395	31.950	11.662	0.08562	2.81485	5	X
K12T05Z	17.4	0.15	K156R	265.039	135.462	192.900	11.535	0.09190	2.67682	4	X
K12T26S	16.5	0.15	K156R	15.763	19.718	196.278	8.964	0.07371	2.77166	3	X
K12T30L	17.4	0.15	K156R	263.443	147.950	191.480	13.938	0.19456	2.56037	6	X
K12T69E	16.6	0.15	K156R	346.003	218.214	38.430	14.231	0.23354	2.62920	6	X
K12T78X	19.4	0.15	K156R	330.414	228.919	89.260	8.500	0.44929	2.17098	2	X
K12T81F	17.8	0.15	K156R	314.322	220.560	73.726	2.336	0.21323	2.42002	3	X
K12T82C	16.7	0.15	K156R	232.739	191.943	161.469	2.844	0.08253	2.72925	13	X
K12T85R	15.8	0.15	K156R	149.947	36.811	21.922	10.734	0.10565	3.08769	5	X
K12T91G	16.2	0.15	K156R	6.090	33.746	183.254	13.844	0.13172	2.74533	5	X
K12T91Y	16.0	0.15	K156R	90.884	78.631	38.924	11.131	0.07998	3.01805	5	X
K12TA4N	16.6	0.15	K156R	234.204	149.230	209.241	6.342	0.28010	2.67942	4	X
K12TD1A	17.2	0.15	K156R	249.861	225.036	125.820	5.534	0.20696	2.59900	5	X
K12TD3E	16.4	0.15	K156R	139.573	246.937	175.735	11.287	0.13177	3.04572	6	X
K12TD3H	17.0	0.15	K156R	200.847	243.770	136.762	5.161	0.08488	2.79399	6	X
K12TF8Q	16.4	0.15	K156R	96.695	77.516	32.365	10.192	0.06413	3.08925	5	X
K12TG0Q	17.5	0.15	K156R	283.565	188.355	127.418	3.003	0.10300	2.61667	5	X
K12TG4D	16.4	0.15	K156R	154.822	9.704	41.232	14.062	0.12420	3.13743	5	X
K12TG4G	16.6	0.15	K156R	265.046	271.182	44.202	12.722	0.00862	2.90754	5	X
K12TG4O	16.8	0.15	K156R	75.117	304.344	186.641	9.590	0.07633	3.03324	4	X
K12TG7Y	16.8	0.15	K156R	232.574	299.134	63.749	9.990	0.19482	2.73792	4	X
K12TJ5A	16.8	0.15	K156R	270.616	127.895	187.234	4.894	0.09410	2.88552	7	X
K12TJ6W	16.1	0.15	K156R	188.386	356.319	30.244	9.725	0.09070	3.13959	6	X
K12TM0A	17.2	0.15	K156R	317.716	243.315	21.936	12.946	0.17506	2.63935	3	X
K12TM5X	17.0	0.15	K156R	327.248	121.601	154.540	2.924	0.00776	2.67059	6	X
K12TN5Z	16.8	0.15	K156R	281.510	194.858	128.916	5.644	0.09992	2.57791	9	X
K12TN7A	16.8	0.15	K156R	272.430	206.868	112.776	4.828	0.08173	2.71832	7	X
K12TO3M	17.4	0.15	K156R	285.467	217.930	95.343	3.276	0.10230	2.64293	3	X
K12TO4E	16.5	0.15	K156R	350.510	42.753	189.747	10.582	0.06633	2.84442	5	X
K12TP6B	17.4	0.15	K156R	315.845	198.622	89.463	3.041	0.18319	2.43110	5	X
K12TQ6E	17.1	0.15	K156R	286.087	227.445	63.799	3.000	0.02793	2.88571	5	X
K12TR1K	16.9	0.15	K156R	257.574	219.756	113.402	3.271	0.09737	2.76018	6	X
K12TR3J	16.9	0.15	K156R	282.072	115.594	195.372	6.674	0.07916	2.74244	6	X
K12TT4V	16.4	0.15	K156R	259.693	298.772	40.001	14.798	0.13626	2.78359	4	X
K12TU2V	16.9	0.15	K156R	226.097	270.585	95.005	2.966	0.08850	2.76034	5	X
K12TU5D	16.0	0.15	K156R	162.773	250.616	157.001	6.664	0.16951	3.17572	9	X
K12TV6A	16.9	0.15	K156R	285.486	261.942	80.196	16.060	0.29989	2.41977	5	X
K12U13U	16.6	0.15	K156R	35.403	73.117	122.518	5.972	0.09309	2.79623	8	X
K12U19T	17.4	0.15	K156R	293.664	111.343	192.741	14.329	0.09853	2.65186	4	X
K12U28E	17.2	0.15	K156R	260.013	267.546	66.954	4.987	0.10791	2.77916	6	X
K12U40Y	17.7	0.15	K156R	313.352	256.002	45.930	5.802	0.27432	2.41463	5	X
K12U45F	16.7	0.15	K156R	342.823	218.578	43.998	12.385	0.14939	2.62095	3	X
K12U62J	16.6	0.15	K156R	327.619	82.720	201.480	12.566	0.17231	2.64651	5	X
K12U71B	16.8	0.15	K156R	329.032	222.103	32.905	9.355	0.10504	2.80698	3	X
K12U90B	16.0	0.15	K156R	271.952	243.854	70.903	3.078	0.09713	3.02247	10	X
K12U94C	16.4	0.15	K156R	283.596	129.089	192.804	14.355	0.13892	2.59731	4	X
K12UA7Q	17.1	0.15	K156R	304.197	270.759	32.639	12.733	0.20626	2.57732	3	X
K12UF9Z	16.4	0.15	K156R	250.958	260.514	96.564	8.260	0.13345	2.66812	6	X
K12UG3F	13.4	0.15	K156R	73.031	17.461	117.027	10.086	0.10142	5.24038	8	X
K12V10U	16.9	0.15	K156R	244.099	308.190	44.714	13.532	0.20529	2.79333	4	X
K12V12H	17.0	0.15	K156R	230.993	266.166	90.478	3.360	0.09635	2.85835	5	X
K12V18W	15.9	0.15	K156R	4.393	107.618	118.816	6.057	0.08574	3.10969	7	X
K12V46C	17.0	0.15	K156R	252.386	268.260	101.635	6.168	0.18527	2.69565	5	X
K12V48M	16.8	0.15	K156R	210.983	164.524	202.216	10.576	0.00339	3.01965	4	X
K12V62A	16.3	0.15	K156R	178.844	341.608	55.217	11.508	0.13403	3.13786	4	X
K12V71R	16.5	0.15	K156R	295.735	251.020	56.715	10.298	0.19595	2.71730	4	X
K12V81H	16.2	0.15	K156R	219.255	199.707	171.387	10.302	0.06849	3.12929	4	X
K12V89W	16.4	0.15	K156R	345.002	82.179	159.598	2.132	0.10917	3.11175	11	X
K12V91E	16.2	0.15	K156R	316.055	193.954	78.726	7.512	0.09389	3.06384	5	X
K12VA0X	16.7	0.15	K156R	308.352	93.845	206.151	10.665	0.19435	2.61990	3	X
K12VA3X	16.3	0.15	K156R	349.094	161.905	65.754	10.196	0.02319	3.16437	2	X
K12W23J	16.3	0.15	K156R	295.194	266.860	56.653	17.650	0.23343	2.61873	5	X
K12W23P	15.9	0.15	K156R	277.455	283.341	68.488	8.125	0.20507	2.59149	9	X
K12W24J	16.1	0.15	K156R	196.882	328.738	59.228	13.161	0.15338	3.09800	3	X
K12X11D	16.6	0.15	K156R	354.065	174.039	86.947	3.051	0.18011	2.66000	11	X
K12X20O	15.6	0.15	K156R	160.151	358.507	71.833	10.202	0.05858	3.17790	4	X
K12X51V	15.8	0.15	K156R	300.249	262.993	64.420	18.002	0.18439	2.58750	5	X
K13A43B	13.3	0.15	K156R	90.836	4.501	107.362	11.873	0.14763	5.15792	8	X
K13AC2K	13.9	0.15	K156R	41.562	60.108	109.305	12.134	0.13700	5.22750	5	X
K13B01Q	14.1	0.15	K156R	18.332	110.437	75.322	6.874	0.13317	5.29413	3	X
K13B14P	13.5	0.15	K156R	166.411	263.324	143.579	10.883	0.07559	5.10941	9	X
K13B19C	13.5	0.15	K156R	253.658	284.923	15.632	9.623	0.05281	5.17262	4	X
K13B73O	20.0	0.15	K156R	335.367	298.120	24.832	4.544	0.41878	1.33218	2	X
K13C39X	14.3	0.15	K156R	30.921	68.918	119.862	9.917	0.03250	5.16101	6	X
K13C88E	12.9	0.15	K156R	29.836	131.174	55.086	36.169	0.03981	5.24189	5	X
K13CA4G	14.2	0.15	K156R	163.326	307.789	102.388	8.401	0.04882	5.14888	6	X
K13CJ3R	14.0	0.15	K156R	184.847	284.840	100.118	7.390	0.04450	5.25137	5	X
K13P06N	18.4	0.15	K156R	102.368	337.837	125.318	24.788	0.09708	1.93478	4	X
K13P44G	15.6	0.15	K156R	107.420	12.229	23.122	27.354	0.29710	3.06682	4	X
K13Q73H	17.9	0.15	K156R	237.382	14.342	334.035	18.435	0.08763	1.91185	5	X
K13R01K	18.2	0.15	K156R	271.987	332.698	347.376	18.684	0.05385	1.92563	4	X
K13S58Q	17.5	0.15	K156R	137.829	31.773	50.210	7.447	0.15939	2.21394	7	X
K13S64K	17.6	0.15	K156R	82.556	108.141	3.802	10.739	0.14999	2.33255	3	X
K13T00B	18.4	0.15	K156R	245.148	145.475	202.572	22.625	0.08248	1.96914	3	X
K13T25C	17.0	0.15	K156R	130.567	167.543	253.000	17.970	0.04194	2.35462	3	X
K13T93G	17.7	0.15	K156R	30.940	356.358	195.891	5.273	0.04244	2.17206	3	X
K13TD2H	17.6	0.15	K156R	81.586	305.671	177.528	11.148	0.19286	2.39992	4	X
K13U02O	18.0	0.15	K156R	286.688	271.939	48.119	21.660	0.06896	1.92413	4	X
K13U13D	17.5	0.15	K156R	144.002	43.685	27.298	7.240	0.08900	2.22458	4	X
K13W06F	17.5	0.15	K156R	167.708	270.358	143.897	6.170	0.13757	2.32208	6	X

K13W18R	17.6	0.15	K156R	181.556	309.325	104.582	8.796	0.09150	2.26966	5	X
K13W37X	16.6	0.15	K156R	144.195	6.675	60.896	12.960	0.13619	2.71056	3	X
K13W62N	16.4	0.15	K156R	121.434	253.922	189.440	11.130	0.16350	2.64019	7	X
K13W64W	15.9	0.15	K156R	166.320	287.681	87.796	12.995	0.10268	2.74422	5	X
K13W68K	16.1	0.15	K156R	49.199	232.553	255.976	14.252	0.24692	3.11116	3	X
K13W74K	17.3	0.15	K156R	164.455	325.853	98.108	6.843	0.06050	2.30327	6	X
K13X17V	16.6	0.15	K156R	230.982	195.225	155.417	6.505	0.03032	2.71856	6	X
K13X24V	16.5	0.15	K156R	144.746	289.689	138.035	5.111	0.22146	2.69474	5	X
K13Y05X	16.6	0.15	K156R	84.056	27.269	104.398	9.918	0.11600	3.06673	4	X
K13Y08D	15.6	0.15	K156R	7.531	116.717	79.120	27.741	0.28617	3.21621	5	X
K13Y09O	16.7	0.15	K156R	161.529	300.319	118.835	7.073	0.16428	2.66299	4	X
K13Y09U	14.6	0.15	K156R	297.327	350.600	282.226	15.363	0.04136	3.12998	12	X
K13Y12Z	17.0	0.15	K156R	59.699	81.712	67.617	5.687	0.10211	2.75657	5	X
K13Y15Y	16.7	0.15	K156R	188.243	266.516	121.157	5.663	0.13258	2.78512	5	X
K13Y15Z	15.7	0.15	K156R	87.546	5.902	118.935	5.916	0.09784	3.18035	10	X
K13Y35Y	16.1	0.15	K156R	188.240	358.618	28.062	7.579	0.13745	2.72543	7	X
K13Y40B	16.7	0.15	K156R	228.146	222.588	143.701	7.117	0.10022	2.69429	9	X
K13Y45L	16.8	0.15	K156R	148.626	309.506	118.005	7.137	0.12595	2.71637	7	X
K13Y46S	15.9	0.15	K156R	319.085	168.881	82.427	11.457	0.00752	2.96888	2	X
K13Y47J	15.8	0.15	K156R	15.864	94.363	91.737	12.620	0.04694	3.01609	6	X
K13Y54N	15.5	0.15	K156R	92.958	6.861	80.734	22.697	0.10983	3.14003	5	X
K13Y55D	16.6	0.15	K156R	153.991	299.926	127.805	9.862	0.11372	2.74621	5	X
K13Y59Z	16.8	0.15	K156R	200.231	303.178	77.189	7.311	0.05145	2.70561	4	X
K13Y73Q	16.5	0.15	K156R	166.582	319.086	104.886	7.359	0.05474	2.73988	6	X
K13Y78M	16.8	0.15	K156R	135.218	30.580	66.312	12.941	0.11352	2.62352	3	X
K13Y79P	15.3	0.15	K156R	317.556	311.473	300.231	14.887	0.11010	3.23060	6	X
K13Y83H	16.9	0.15	K156R	185.140	307.270	89.603	4.354	0.11522	2.58532	7	X
K13Y93U	15.5	0.15	K156R	355.925	117.290	101.720	10.887	0.02521	3.13523	6	X
K13Y95T	16.5	0.15	K156R	143.732	323.257	103.168	2.544	0.12680	3.01687	8	X
K13Y96U	15.5	0.15	K156R	125.657	345.508	112.243	12.360	0.07337	3.08168	7	X
K13Y97O	15.0	0.15	K156R	247.967	213.263	118.710	12.888	0.05805	3.12691	8	X
K13YB0Z	15.7	0.15	K156R	279.333	196.937	123.718	36.531	0.14887	2.78413	4	X
K13YC5A	16.4	0.15	K156R	178.990	296.893	115.166	7.292	0.07796	2.80371	4	X
K13YD2N	17.1	0.15	K156R	348.594	205.704	45.466	8.304	0.17843	2.68320	3	X
K13YF0L	16.6	0.15	K156R	128.957	356.243	81.128	10.221	0.23638	2.67055	5	X
K14A00W	16.4	0.15	K156R	92.658	24.925	90.676	11.780	0.15301	3.17033	3	X
K14A18L	16.6	0.15	K156R	158.326	326.155	90.227	3.729	0.14440	2.79739	7	X
K14A20K	16.9	0.15	K156R	355.333	141.504	77.937	8.176	0.06843	2.44684	4	X
K14A45M	16.8	0.15	K156R	145.839	262.391	175.385	2.866	0.04820	2.78139	11	X
K14A50Q	16.7	0.15	K156R	112.971	289.413	168.442	5.545	0.14549	3.00890	6	X
K14A53X	17.2	0.15	K156R	170.315	279.131	137.225	6.069	0.07602	2.64005	6	X
K14B01L	16.5	0.15	K156R	274.971	171.660	134.951	2.803	0.06606	2.89799	8	X
K14B06E	15.6	0.15	K156R	250.727	202.565	132.514	12.317	0.06003	3.06417	9	X
K14B18N	16.1	0.15	K156R	108.114	338.970	137.325	10.230	0.01748	3.10950	5	X
K14B62D	15.6	0.15	K156R	141.734	243.528	194.831	13.420	0.05234	3.14119	3	X
K14C05T	16.6	0.15	K156R	319.494	182.782	101.895	7.227	0.03150	2.81007	6	X
K14C11S	15.5	0.15	K156R	282.200	194.239	121.458	6.160	0.11860	3.14644	8	X
K14C16L	16.1	0.15	K156R	160.262	264.276	157.985	12.107	0.12746	3.11845	6	X
K14D08H	15.6	0.15	K156R	147.923	280.717	158.233	10.566	0.07509	3.12109	8	X
K14D40A	16.5	0.15	K156R	122.895	325.537	130.308	10.458	0.09460	3.13034	3	X
K14D99N	16.6	0.15	K156R	154.055	278.234	152.670	10.941	0.10332	2.98318	5	X
K14DB0B	14.0	0.15	K156R	95.112	338.475	133.091	8.492	0.08779	5.12887	5	X
K14DD7O	14.1	0.15	K156R	124.889	295.517	148.762	8.104	0.03431	5.13014	7	X
K14E27K	14.3	0.15	K156R	58.474	301.223	202.985	6.414	0.07951	5.20241	3	X
K14E29Q	14.2	0.15	K156R	46.094	137.669	17.949	6.262	0.07838	5.16672	4	X
K14E51K	13.1	0.15	K156R	1.508	150.910	70.348	11.908	0.09601	5.16033	10	X
K14F33K	20.6	0.15	K156R	329.445	328.151	15.792	26.960	0.50356	0.97548	2	X
K14F39Z	14.4	0.15	K156R	35.969	136.985	36.164	10.779	0.04375	5.12883	3	X
K14F51K	13.5	0.15	K156R	49.784	101.290	67.550	17.069	0.07172	5.21402	6	X
K14J57H	16.2	0.15	K156R	46.007	10.813	55.506	26.538	0.87049	3.34893	3	X
K14L21J	16.0	0.15	K156R	88.869	302.666	126.787	24.207	0.89541	2.89002	3	W
K14Qh4K	19.1	0.15	K156R	74.867	165.941	252.329	5.971	0.50349	1.94073	2	X
K14T17F	20.7	0.15	K156R	59.564	286.073	199.759	43.629	0.45278	1.73313	2	X
K14U00V	20.5	0.15	K156R	92.074	282.685	216.495	36.019	0.13997	1.26178	2	X
K14Wa1J	16.6	0.15	K156R	347.460	48.475	66.744	18.220	0.05137	3.17895	4	X
K14Wa5P	20.3	0.15	K156R	61.261	320.619	212.551	26.048	0.23255	1.38588	2	X
K14Wg9M	17.1	0.15	K156R	22.928	102.687	74.747	11.172	0.31806	3.01120	2	X
K14Y14C	16.4	0.15	K156R	30.793	117.672	30.272	26.977	0.35880	3.16303	3	X
K14Y35A	16.2	0.15	K156R	19.309	176.970	7.100	34.190	0.17741	2.61526	3	X
K15BU4K	18.5	0.15	K156R	13.655	68.564	149.341	28.069	0.17082	1.96041	2	X
K15BU5E	16.3	0.15	K156R	342.598	223.217	2.050	22.955	0.07414	2.59325	4	X
K15C20H	15.6	0.15	K156R	347.418	79.501	111.752	22.198	0.14192	3.14974	2	X
K15C39T	15.9	0.15	K156R	260.637	141.080	166.055	6.646	0.05488	2.77876	10	X
K15C47X	16.1	0.15	K156R	81.596	116.766	342.890	18.121	0.05845	3.12460	2	X
K15C58P	16.2	0.15	K156R	357.628	116.688	111.027	12.338	0.13793	2.80947	2	X
K15C59K	16.2	0.15	K156R	4.677	207.155	348.213	14.327	0.21324	3.06418	5	X
K15D00A	16.5	0.15	K156R	37.629	59.188	115.481	31.427	0.27254	2.62617	3	X
K15DB7N	16.0	0.15	K156R	42.467	320.485	183.323	10.623	0.12712	3.18977	5	X
K15DD7G	16.4	0.15	K156R	48.000	105.064	20.585	13.333	0.23741	2.88155	3	X
K15DG8C	15.8	0.15	K156R	48.308	132.111	3.629	15.997	0.13652	3.10092	5	X
K15DI0N	16.9	0.15	K156R	315.497	88.238	193.470	23.197	0.29325	2.30124	2	X
K15DK5D	18.2	0.15	K156R	14.412	154.582	57.373	6.154	0.10948	2.33555	2	X
K15DK6N	16.8	0.15	K156R	344.157	210.760	39.001	7.819	0.08851	2.36521	4	X
K15DK7G	16.6	0.15	K156R	0.529	65.882	157.833	13.407	0.11567	2.74562	2	X
K15DK8O	16.7	0.15	K156R	302.364	165.954	132.315	6.574	0.10440	2.36020	2	X
K15DL1S	16.8	0.15	K156R	352.305	155.597	89.452	7.196	0.07837	2.35826	4	X
K15DL2F	15.8	0.15	K156R	357.257	152.090	81.059	10.179	0.07712	3.06822	2	X
K15DL2G	17.1	0.15	K156R	105.852	11.800	108.395	7.003	0.07107	2.32259	2	X
K15DL2M	15.8	0.15	K156R	299.950	205.003	104.573	9.911	0.17820	3.07713	2	X
K15DM3S	16.2	0.15	K156R	28.362	139.160	32.744	23.357	0.19555	3.08164	2	X
K15E62W	16.0	0.15	K156R	50.675	188.499	322.739	13.644	0.10416	2.77462	5	X
K15E64N	16.6	0.15	K156R	86.155	53.685	41.372	12.561	0.25612	2.53496	2	X
K15E64R	13.4	0.15	K156R	304.604	214.590	42.435	20.450	0.02910	5.21720	7	X
K15E64S	16.5	0.15	K156R	0.517	141.693	72.640	9.216	0.13850	2.84672	3	X
K15E64W	16.0	0.15	K156R	304.940	129.658	142.358	10.357	0.05282	2.92016	2	X
K15E65D	14.8	0.15	K156R	355.761	192.765	27.854	28.955	0.16105	3.20954	8	X
K15F23N	16.2	0.15	K156R	212.141	310.435	53.311	18.820	0.08183	2.64768	6	X
K15F38Q	18.9	0.15	K156R	341.294	243.296	32.618	5.527	0.32679	2.37928	2	X
K15F38Y	15.9	0.15	K156R	280.237	286.070	29.409	11.008	0.14020	3.13722	3	X
K15F39C	17.9	0.15	K156R	352.879	205.352	38.118	6.298	0.13095	2.24534	8	X
K15F40X	16.4	0.15	K156R	350.326	37.398	199.569	1.728	0.03051	2.71420	3	X
K15F71Z	16.9	0.15	K156R	51.262	333.858	190.781	4.796	0.09660	2.79610	6	X

K15F74Q	16.9	0.15	K156R	69.013	86.470	58.077	5.869	0.10819	2.80994	4	X
K15F77W	16.5	0.15	K156R	17.437	156.625	52.007	3.182	0.03791	2.58449	10	X
K15FB8V	21.7	0.15	K156R	325.758	267.390	98.684	6.237	0.58395	0.85844	2	X
K15FC4M	13.0	0.15	K156R	157.931	115.446	284.695	25.458	0.03989	5.24374	6	X
K15FF8L	15.7	0.15	K156R	17.958	143.570	51.829	11.414	0.05240	3.15227	4	X
K15FF8W	17.1	0.15	K156R	358.071	131.278	94.484	5.064	0.09319	2.58493	5	X
K15FI5D	16.8	0.15	K156R	56.798	90.079	51.688	5.671	0.05682	2.71350	2	X
K15FJ5L	16.9	0.15	K156R	341.767	327.287	267.045	3.306	0.19947	2.60864	6	X
K15FK5Z	16.1	0.15	K156R	29.957	168.973	354.951	24.078	0.12709	3.13633	3	X
K15FL1O	13.6	0.15	K156R	149.101	333.920	81.414	9.066	0.05840	5.27706	5	X
K15FS9W	16.0	0.15	K156R	21.380	142.427	46.372	24.575	0.14639	3.09303	5	X
K15FT2Q	16.3	0.15	K156R	66.305	290.502	202.338	8.329	0.14382	3.05960	6	X
K15FV5X	16.0	0.15	K156R	173.145	304.929	93.935	8.147	0.02585	2.78005	6	X
K15FW3N	17.0	0.15	K156R	353.858	72.529	154.119	12.777	0.05610	2.63666	4	X
K15FW5H	16.2	0.15	K156R	70.278	40.954	97.178	10.440	0.06281	3.04538	7	X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K14UK6F	18.8	0.15	K156R	39.614	12.756	114.654	48.053	0.54194	2.42550	112	X
K14Y34V	19.5	0.15	K156R	37.078	190.125	302.348	19.505	0.48775	2.48572	108	X
K14Y44G	18.0	0.15	K156R	27.342	126.169	44.586	14.042	0.43097	3.03314	113	X
K15AO5C	16.1	0.15	K156R	305.753	169.886	84.505	13.283	0.09182	2.56908	96	X
K15B00K	21.3	0.15	K156R	47.900	29.844	130.991	6.908	0.38597	1.82244	95	X
K15B92H	25.0	0.15	K156R	80.334	257.748	250.662	2.295	0.24321	1.37323	92	X
K15B92W	18.8	0.15	K156R	41.660	135.632	320.277	22.664	0.58331	2.62407	92	X
K15BQ4W	15.7	0.15	K156R	32.958	210.645	311.605	19.915	0.11156	3.19123	93	X
K15BU1P	17.6	0.15	K156R	108.947	311.370	124.450	5.379	0.20509	2.35742	91	X
K15BU5D	17.8	0.15	K156R	6.105	62.781	153.120	31.110	0.25761	2.58384	92	X
K15Bp1C	19.7	0.15	K156R	38.226	17.810	146.676	15.214	0.46648	2.41248	88	X
K15Bp2V	18.4	0.15	K156R	38.892	304.713	185.913	6.720	0.55860	2.98411	88	X
K15C00V	19.2	0.15	K156R	33.625	179.096	335.344	4.291	0.36399	2.33812	96	X
K15C55Z	16.6	0.15	K156R	349.748	235.485	347.500	13.532	0.23862	3.08829	92	X
K15C58T	20.9	0.15	K156R	46.096	155.846	7.693	30.434	0.36164	1.90427	67	X
K15DH6E	19.8	0.15	K156R	11.839	178.316	69.190	10.269	0.56391	2.00752	62	X
K15DJ8V	20.2	0.15	K156R	25.951	9.200	207.280	20.830	0.35553	1.93919	57	X
K15E00Z	20.3	0.15	K156R	14.370	65.082	185.469	13.217	0.28376	1.36472	42	X
K15F33Y	21.5	0.15	K156R	23.001	1.873	178.751	26.556	0.47792	2.43783	34	X
K15F34B	24.1	0.15	K156R	30.175	354.541	189.774	5.954	0.49353	2.06948	32	X
K15F37G	21.7	0.15	K156R	8.772	80.563	179.582	10.111	0.37070	1.63740	30	X
K15FB8A	19.5	0.15	K156R	8.706	193.201	6.494	26.413	0.62969	3.25669	29	X
K15FB8N	20.2	0.15	K156R	96.476	247.549	195.191	27.683	0.54445	1.65237	36	X
K15FB8T	20.7	0.15	K156R	299.812	154.600	196.777	21.094	0.19078	1.16706	29	X
K15FC0E	21.1	0.15	K156R	14.933	188.927	21.525	22.799	0.55147	2.25110	30	X
K15FC0G	22.9	0.15	K156R	10.273	154.950	98.901	2.779	0.54684	2.14321	28	X
K15FT0L	22.1	0.15	K156R	10.502	213.955	37.447	5.707	0.54747	2.04025	29	X
K15FX2S	18.2	0.15	K156R	333.822	135.754	193.539	35.125	0.47556	1.80715	23	X
K15FX2U	17.4	0.15	K156R	34.271	25.451	82.684	36.061	0.74371	2.62495	21	X
K15FY1A	24.0	0.15	K156R	135.517	68.366	30.368	5.617	0.18530	1.17264	25	X
K15G00J	17.9	0.15	K156R	51.120	215.160	208.247	26.290	0.76026	2.34871	14	X
K15G00S	20.6	0.15	K156R	57.082	20.861	113.862	11.855	0.47656	1.72625	13	X
K15G00W	25.4	0.15	K156R	64.239	155.953	13.499	6.010	0.26919	1.37563	11	X
K15G00Y	21.6	0.15	K156R	331.911	108.613	207.808	11.797	0.20003	1.06782	12	X
K15G01F	22.6	0.15	K156R	42.660	75.656	57.118	4.991	0.58855	2.04192	12	X
K15G06B	26.5	0.15	K156R	46.164	316.269	184.943	0.901	0.53702	1.89285	10	X
K15G12Z	22.5	0.15	K156R	141.575	330.668	103.164	5.409	0.44582	1.10503	10	X
K15G13K	25.2	0.15	K156R	36.424	339.132	201.435	9.304	0.42491	1.90667	7	X
K15G13R	20.2	0.15	K156R	69.803	67.913	47.552	18.941	0.38612	1.89759	9	X
K15G13S	21.0	0.15	K156R	3.927	57.588	202.411	17.318	0.31988	1.69790	7	X
K15G13Z	19.8	0.15	K156R	342.242	282.326	44.646	33.537	0.59978	1.82528	9	X
K15G14B	25.3	0.15	K156R	8.443	228.067	39.093	2.451	0.53231	1.92072	7	X
K15G14C	24.6	0.15	K156R	22.124	201.327	28.923	2.096	0.32120	1.59443	8	X
K15H00B	23.0	0.15	K156R	8.364	168.470	66.297	2.538	0.52945	2.58205	7	X
K15H00H	26.1	0.15	K156R	129.342	281.852	206.842	11.493	0.10191	1.06737	5	X
K15H00K	25.6	0.15	K156R	300.640	330.295	33.614	12.471	0.24590	0.87252	6	X
K15H00Z	24.4	0.15	K156R	16.801	356.906	224.269	4.211	0.50015	2.18399	5	X
K15H01A	21.2	0.15	K156R	279.232	315.357	57.376	19.708	0.18750	0.96387	6	X
K15H01D	27.4	0.15	K156R	7.702	57.736	210.901	5.339	0.64503	2.30970	3	W
K15H01F	22.6	0.15	K156R	87.080	67.624	18.377	22.032	0.61513	1.31908	4	X
K15H01G	23.7	0.15	K156R	58.682	299.694	173.747	5.131	0.62528	1.63222	3	X
K15H01O	23.8	0.15	K156R	14.080	220.826	1.486	4.603	0.46560	2.35994	3	X
K15H01P	24.3	0.15	K156R	78.258	313.693	210.112	12.352	0.13813	1.31590	3	X
K15H01R	24.8	0.15	K156R	8.868	34.939	209.376	1.383	0.56433	2.46547	3	X
K15H09B	24.8	0.15	K156R	34.767	303.421	217.925	5.337	0.55131	2.09508	2	X
K15H09F	20.5	0.15	K156R	153.638	204.078	211.688	17.216	0.55615	1.35518	3	X
K15H09G	24.1	0.15	K156R	37.843	217.427	226.572	5.372	0.84482	2.12869	3	X
K15H09H	25.8	0.15	K156R	18.474	330.049	238.272	1.738	0.54899	2.37385	2	W
K15H09J	25.4	0.15	K156R	15.722	29.752	210.180	25.399	0.33957	1.69086	2	X
K15H09N	22.6	0.15	K156R	216.350	26.173	7.960	14.523	0.15812	1.25005	4	X
K15H09Q	27.0	0.15	K156R	61.003	287.485	211.281	4.018	0.44301	1.61419	3	W
K15H09R	25.6	0.15	K156R	42.802	277.639	223.533	4.619	0.53792	2.07644	3	W
K15H09T	26.3	0.15	K156R	3.447	46.912	226.125	4.803	0.31451	1.42632	3	W
K15H09U	23.3	0.15	K156R	340.502	298.439	43.387	6.863	0.49102	1.09338	2	W
K15H09W	23.5	0.15	K156R	76.595	115.483	34.869	25.584	0.24927	1.43215	2	W

New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K06RA8H	17.6	0.15	K0692	76.441	78.729	191.984	8.738	0.17642	3.10222	8	W
K15B24L	18.3	0.15	K152R	125.210	231.990	145.654	23.299	0.10994	1.90677	96	X
K15C00N	17.6	0.15	K152R	7.396	76.235	99.958	28.815	0.38458	2.64020	74	X
K15C41T	16.9	0.15	K152R	35.622	24.073	82.745	6.843	0.08515	2.53084	89	X
K15C52N	17.3	0.15	K153J	313.725	259.560	339.022	7.581	0.11663	2.44583	65	X
K15C54W	16.5	0.15	K153J	51.044	289.965	175.638	16.576	0.22968	3.14026	65	X
K15DB8S	17.0	0.15	K153J	71.337	1.444	88.749	6.482	0.10620	2.31388	62	X
K15DK5A	18.1	0.15	K153J	4.402	47.998	141.822	5.469	0.10229	2.39431	57	X
K15DK6G	18.7	0.15	K153J	33.425	80.520	71.877	3.608	0.14932	2.23916	57	X
K15DK6T	18.0	0.15	K153J	2.248	141.380	52.321	8.468	0.20337	2.41092	57	X
K15DK7B	16.5	0.15	K153J	14.604	34.343	144.901	8.881	0.15083	2.80592	58	X
K15DK7C	17.1	0.15	K153J	318.387	195.661	57.869	10.697	0.16296	2.57769	57	X
K15DK7Y	16.3	0.15	K153J	59.951	35.817	100.576	11.091	0.06444	3.19044	58	X
K15DK8A	15.8	0.15	K153J	318.024	227.729	32.934	27.657	0.20303	3.17212	57	X
K15DK8C	17.0	0.15	K153J	14.963	22.171	157.066	11.997	0.17043	2.70345	58	X
K15DK9W	15.9	0.15	K153J	204.811	260.146	100.941	12.521	0.03738	2.97046	58	X

K15DL0C	17.3	0.15	K153J	3.238	103.076	95.245	9.506	0.10600	2.37033	57	X
K15DL2D	17.1	0.15	K153J	261.019	187.464	135.758	7.269	0.14973	2.41459	57	X
K15DL2O	15.7	0.15	K153J	17.768	107.648	84.382	11.825	0.02471	3.13426	57	X
K15DL2Q	17.0	0.15	K153J	316.043	206.360	61.221	14.138	0.17110	2.67116	57	X
K15DL8T	17.2	0.15	K153J	313.257	55.497	190.604	22.250	0.17643	2.35680	55	X
K15E63P	16.7	0.15	K153J	309.822	95.399	153.824	13.505	0.14300	2.61810	38	X
K15E64Z	16.9	0.15	K153J	33.032	40.608	106.840	8.961	0.14474	2.73292	37	X
K15F21V	16.7	0.15	K153J	341.745	167.494	39.122	17.018	0.10563	2.80557	36	X
K15F38N	16.7	0.15	K153J	99.756	259.844	189.507	8.716	0.09755	2.72078	35	X
K15F38Z	16.3	0.15	K153J	81.105	285.197	189.309	10.373	0.05911	3.10797	35	X
K15F40M	18.5	0.15	K153J	346.744	15.030	198.695	6.968	0.09994	2.18247	35	X
K15F40U	18.6	0.15	K153J	53.398	270.201	201.182	21.381	0.31027	2.38460	35	X
K15F40W	17.2	0.15	K153J	15.008	337.720	204.143	13.573	0.13044	2.66625	35	X
K15F41V	17.6	0.15	K153J	318.404	206.364	49.849	6.883	0.15552	2.54978	35	X
K15F41X	15.8	0.15	K153J	223.020	301.812	50.353	10.063	0.12409	3.11782	35	X
K15F44H	16.8	0.15	K153J	49.117	330.875	164.748	8.816	0.22005	3.09110	35	X
K15F44R	18.9	0.15	K153J	325.298	119.646	127.224	1.834	0.20692	2.24221	35	X
K15F44V	18.1	0.15	K153J	299.774	235.921	44.448	2.965	0.18248	2.39371	35	X
K15F45T	16.8	0.15	K153J	157.824	240.465	166.875	8.750	0.03968	2.74619	35	X
K15F64M	15.8	0.15	K153J	2.504	256.841	277.682	14.731	0.19275	3.12232	66	X
K15F72A	18.5	0.15	K153J	356.967	20.393	180.841	2.335	0.17307	2.36351	34	X
K15F72S	18.3	0.15	K153J	3.353	15.705	177.797	5.319	0.06416	2.25795	34	X
K15F72Z	17.6	0.15	K153J	323.341	95.523	155.937	2.719	0.20381	2.39868	34	X
K15F74T	16.6	0.15	K153J	297.791	241.005	44.781	10.994	0.17389	3.12720	34	X
K15F74X	17.6	0.15	K153J	350.632	160.814	50.851	5.372	0.11285	2.33130	34	X
K15F76T	16.4	0.15	K153J	289.827	214.364	82.818	6.689	0.17275	3.03460	34	X
K15F77K	15.7	0.15	K153J	241.998	263.662	69.745	9.794	0.04689	3.06306	34	X
K15FC0A	17.6	0.15	K1548	16.432	290.032	209.844	28.529	0.34824	2.59188	25	X
K15FC3S	18.3	0.15	K153J	334.090	76.067	143.898	5.489	0.13680	2.24187	31	X
K15FD6U	15.4	0.15	K153J	312.626	219.696	33.424	15.395	0.10148	3.03476	31	X
K15FF3Z	18.6	0.15	K153J	320.482	101.645	139.782	2.615	0.12966	2.16245	31	X
K15FF6X	17.2	0.15	K153J	191.245	215.883	148.334	6.585	0.05188	2.66708	31	X
K15FF7L	17.0	0.15	K153J	353.624	46.269	155.526	7.834	0.10495	2.74246	29	X
K15FF7M	17.0	0.15	K153J	354.901	155.110	44.687	9.664	0.09599	2.76547	31	X
K15FF8V	16.3	0.15	K153J	117.976	15.364	50.297	11.525	0.13165	2.61306	31	X
K15FF9E	17.0	0.15	K153J	348.218	184.513	28.784	15.562	0.20460	3.18246	31	X
K15FG2W	18.3	0.15	K153J	357.158	148.490	48.774	7.574	0.19103	2.33237	31	X
K15FG6R	16.4	0.15	K153J	281.173	271.633	30.072	10.066	0.22131	3.14876	31	X
K15FG6X	18.2	0.15	K153J	337.938	122.108	97.652	2.440	0.10930	2.22321	31	X
K15FH4K	17.4	0.15	K153J	18.018	123.351	50.132	13.729	0.12987	2.58198	31	X
K15FH4V	17.1	0.15	K153J	323.327	205.528	50.052	17.140	0.24139	2.76847	31	X
K15FH4W	15.7	0.15	K153J	275.443	159.851	144.313	12.212	0.13984	3.16856	32	X
K15FH4X	16.6	0.15	K153J	20.098	71.361	102.164	9.381	0.14951	3.00787	32	X
K15FL1Z	15.6	0.15	K153J	308.205	162.216	88.653	11.487	0.02383	3.17383	30	X
K15FL4B	16.3	0.15	K153J	324.486	165.599	77.246	11.612	0.15401	3.14976	30	X
K15FT0G	16.6	0.15	K1548	326.845	167.455	84.616	5.124	0.17152	2.63645	27	X
K15FT2R	17.7	0.15	K1548	53.948	291.766	201.350	4.924	0.11425	2.71424	25	X
K15FT2S	18.2	0.15	K1548	35.720	204.036	309.106	0.713	0.12693	2.41015	25	X
K15FV1J	16.4	0.15	K153J	324.597	93.107	145.005	9.089	0.16514	2.80286	28	X
K15FV4S	17.3	0.15	K1548	353.764	139.811	62.517	10.685	0.11388	2.77759	27	X
K15FV4Y	16.7	0.15	K153J	310.818	136.303	109.017	7.923	0.07062	2.41338	28	X
K15FV5F	17.7	0.15	K1548	7.715	19.913	165.126	14.092	0.17922	2.65843	27	X
K15FW3Q	17.4	0.15	K1548	349.851	96.638	115.507	8.491	0.13765	2.64552	27	X
K15FW5B	16.2	0.15	K1548	354.172	117.811	87.621	9.895	0.07190	2.68043	28	X
K15FW6D	18.3	0.15	K1548	346.935	180.297	40.759	15.165	0.25085	2.76834	27	X
K15FW6O	16.7	0.15	K153J	232.025	230.603	95.564	6.321	0.03859	2.72703	25	X
K15FW6U	16.6	0.15	K153J	335.959	158.015	71.598	8.001	0.18869	3.19078	28	X
K15FX0S	17.5	0.15	K153J	13.721	145.609	4.980	18.984	0.05692	1.98830	37	X
K15FX4J	17.2	0.15	K1548	356.633	112.583	112.860	6.575	0.17743	2.39672	22	X
K15FY2N	17.7	0.15	K1548	348.995	128.913	83.288	7.014	0.19312	2.62438	28	X
K15G02O	17.2	0.15	K1548	345.105	166.814	38.900	3.990	0.12689	2.73774	24	X
K15G02Q	18.2	0.15	K1548	332.767	78.961	176.402	13.988	0.30657	2.77749	14	X
K15G02R	16.0	0.15	K1548	231.626	284.588	61.533	15.691	0.14743	3.12732	13	X
K15G03H	16.4	0.15	K1548	337.988	127.379	102.776	27.892	0.19583	3.10324	13	X
K15G05P	16.5	0.15	K1548	339.647	200.517	40.203	12.553	0.13867	2.57163	11	X
K15G12V	19.1	0.15	K1548	239.415	282.591	47.378	21.557	0.09657	1.82023	8	X
K15G14E	16.8	0.15	K153J	87.552	24.810	83.963	7.135	0.01377	2.83496	29	W
K15G14G	16.4	0.15	K153J	348.905	8.402	189.072	12.660	0.10019	2.78402	30	W
K15G14H	18.6	0.15	K153J	319.182	246.554	355.442	3.371	0.18976	2.33169	20	W
K15G14K	15.5	0.15	K153J	128.709	203.775	191.953	22.220	0.30872	3.13340	22	W
K15G14M	17.2	0.15	K153J	230.197	320.300	4.538	13.631	0.10594	2.68374	20	W
K15G14N	18.6	0.15	K153J	66.212	268.000	197.759	5.272	0.11726	2.33147	20	W
K15G14R	17.1	0.15	K153J	349.499	193.311	4.944	6.946	0.08978	2.99011	20	W
K15G14S	17.6	0.15	K153J	314.167	45.039	197.889	3.297	0.12672	2.62542	20	W
K15G14W	16.3	0.15	K153J	88.746	239.164	193.497	1.960	0.22039	3.17163	20	W
K15G14Y	18.5	0.15	K153J	324.740	39.289	191.872	6.601	0.14176	2.45464	20	W
K15G14Z	18.2	0.15	K153J	317.753	48.580	191.446	11.760	0.14098	2.56434	14	W
K15G15A	17.9	0.15	K153J	289.201	282.576	8.517	4.215	0.29428	2.58960	20	W
K15G15B	17.2	0.15	K153J	118.615	75.965	346.430	1.465	0.05739	2.86905	28	W
K15G15E	17.1	0.15	K153J	313.591	113.618	143.882	0.174	0.24320	3.43383	20	W
K15G15K	18.2	0.15	K153J	0.647	343.691	200.935	7.675	0.14897	2.77385	22	W
K15G15M	19.3	0.15	K153J	316.390	265.091	342.466	1.530	0.19730	2.35151	14	W
K15G15N	14.2	0.15	K153J	162.565	21.929	1.576	10.018	0.04791	5.23794	20	W
K15G15O	18.7	0.15	K153J	7.033	172.474	2.243	2.789	0.17351	2.36701	20	W
K15G15P	18.9	0.15	K153J	355.070	185.472	6.856	7.095	0.13622	2.56054	14	W
K15G15Q	17.7	0.15	K153J	10.153	161.739	9.557	15.716	0.18202	2.92851	28	W
K15G15R	17.4	0.15	K153J	293.298	51.771	207.508	3.500	0.05201	2.81695	22	W
K15G15T	16.2	0.15	K153J	220.203	139.740	194.560	9.289	0.10444	3.06356	22	W
K15G15W	16.2	0.15	K153J	42.572	127.634	11.081	12.052	0.07049	3.22541	28	W
K15G15X	16.4	0.15	K153J	253.511	107.061	190.707	1.562	0.03714	3.08993	28	W
K15G16A	17.0	0.15	K153J	336.021	211.629	12.606	7.633	0.22420	3.10661	14	W
K15G16B	18.1	0.15	K153J	250.957	117.530	192.899	6.102	0.14017	2.30529	14	W
K15G16C	16.8	0.15	K153J	67.660	72.345	12.120	13.206	0.30033	3.17525	20	W
K15G16F	17.4	0.15	K1548	194.715	172.229	186.808	4.904	0.07875	2.25104	4	W
K15G16G	14.2	0.15	K153J	53.546	120.121	11.853	22.757	0.01702	5.20687	20	W
K15G16J	18.1	0.15	K153J	279.255	263.050	30.625	2.147	0.22934	2.41789	20	W
K15G16L	17.8	0.15	K153J	340.117	25.609	190.404	9.614	0.20351	2.72820	22	W
K15G16O	17.0	0.15	K153J	286.627	202.034	94.570	12.891	0.16557	2.71332	22	W
K15G16P	16.3	0.15	K1548	33.929	98.355	71.958	17.834	0.07038	3.14379	2	W
K15G16S	17.2	0.15	K1548	351.111	149.034	72.613	14.536	0.20054	2.66321	5	W
K15G16T	17.5	0.15	K1548	279.151	225.817	99.287	12.132	0.30378	2.34976	2	W
K15G16V	16.1	0.15	K153J	290.110	143.193	162.534	16.303	0.22577	3.17068	22	W

K15G16W	17.4	0.15	K153J	306.091	53.712	203.826	0.388	0.15349	2.90372	20	W
K15G16X	18.5	0.15	K153J	107.839	238.695	196.489	2.755	0.03956	2.13943	14	W
K15G17A	16.4	0.15	K153J	262.666	279.722	13.038	11.910	0.05936	3.16441	20	W
K15G17C	16.4	0.15	K153J	250.837	96.303	217.950	4.878	0.15846	3.19884	14	W
K15G17D	16.9	0.15	K1548	67.693	221.295	241.834	1.586	0.19414	2.82181	3	W
K15G17F	18.2	0.15	K153J	289.410	57.572	220.768	4.825	0.17282	2.45968	23	W
K15G17K	19.2	0.15	K153J	309.820	326.228	287.810	1.555	0.16639	2.28735	20	W
K15G17L	15.5	0.15	K153J	113.499	52.916	14.545	13.801	0.06521	3.15878	22	W
K15G17M	18.3	0.15	K153J	282.227	146.421	140.303	1.174	0.19245	2.41405	14	W
K15G17N	17.0	0.15	K153J	59.658	291.964	186.526	8.947	0.08658	2.83034	16	W
K15G17O	17.8	0.15	K153J	337.191	190.086	26.389	2.518	0.13841	2.63571	16	W
K15G17P	13.8	0.15	K153J	113.867	53.310	15.514	9.553	0.05371	5.14613	22	W
K15G17Q	17.0	0.15	K153J	47.122	304.379	184.324	9.543	0.12370	3.17967	22	W
K15G17R	17.0	0.15	K153J	42.474	102.124	32.502	2.212	0.11805	3.02989	22	W
K15G17X	19.2	0.15	K153J	358.177	205.581	342.183	0.608	0.09247	2.06171	20	W
K15G18A	17.9	0.15	K153J	358.207	184.913	4.610	8.733	0.07438	2.68180	20	W
K15G18B	19.1	0.15	K153J	34.399	255.052	245.309	2.240	0.14656	2.21180	14	W
K15G18D	18.6	0.15	K153J	308.248	41.430	214.591	3.341	0.17604	2.19900	14	W
K15G18F	14.7	0.15	K153J	333.978	264.228	315.081	2.954	0.07453	5.32852	14	W
K15G18H	15.4	0.15	K153J	254.350	256.405	62.557	20.645	0.08233	3.11029	22	W
K15G18L	17.8	0.15	K153J	31.000	182.735	324.863	2.618	0.13119	2.74192	21	W
K15G18M	16.5	0.15	K1548	286.397	166.183	122.732	11.150	0.03727	2.97996	4	W
K15G18P	18.1	0.15	K153J	16.765	160.352	6.597	5.926	0.05936	2.26200	20	W
K15G18S	17.1	0.15	K153J	166.732	10.992	7.395	5.659	0.10275	2.51474	20	W
K15G18U	19.7	0.15	K1548	328.143	25.399	212.154	3.042	0.13435	2.20142	3	W
K15G18V	18.8	0.15	K1548	346.368	8.834	205.441	6.990	0.13865	2.52342	3	W
K15G18Z	16.9	0.15	K153J	349.060	6.298	198.936	12.404	0.10341	3.17532	16	W
K15G19A	18.9	0.15	K1548	47.326	130.148	13.957	7.836	0.05842	2.20518	4	W
K15G19B	19.4	0.15	K1548	49.413	131.225	4.280	2.741	0.12266	2.21081	3	W
K15G19D	16.9	0.15	K153J	306.048	97.538	154.132	4.246	0.05837	3.06472	25	W
K15G19G	16.8	0.15	K153J	226.713	145.910	184.876	11.419	0.06582	2.74026	29	W
K15G19N	17.0	0.15	K1548	163.710	274.972	114.486	1.654	0.09608	2.80375	4	W
K15G19P	18.8	0.15	K1548	326.065	69.395	188.087	7.554	0.30204	2.47398	4	W
K15G19S	18.7	0.15	K1548	280.549	123.041	184.751	6.309	0.27453	2.16364	6	W
K15G19T	16.7	0.15	K153J	180.337	340.365	30.657	9.670	0.07225	2.83357	24	W
K15G19W	17.7	0.15	K153J	259.915	230.203	80.979	2.474	0.19028	2.38820	22	W
K15G19Z	16.9	0.15	K153J	119.343	246.123	183.845	12.003	0.02941	2.94855	24	W
K15G20A	19.0	0.15	K1548	354.061	167.139	36.361	4.905	0.11739	2.18226	4	W
K15G20B	17.3	0.15	K1548	56.016	291.326	186.176	9.606	0.20574	3.00554	4	W
K15G20C	17.4	0.15	K1548	38.711	120.823	30.801	7.172	0.07036	2.36439	4	W
K15G20D	16.7	0.15	K153J	228.426	291.471	43.026	4.159	0.13885	3.04731	22	W
K15G20E	18.3	0.15	K1548	337.548	192.473	31.921	6.740	0.11823	2.26811	4	W
K15G20F	17.9	0.15	K153J	21.581	118.881	47.312	3.691	0.06161	2.62313	25	W
K15G20O	17.7	0.15	K153J	192.917	182.263	178.179	7.172	0.12125	2.27201	22	W
K15G20Q	18.3	0.15	K1548	280.081	253.363	33.142	6.751	0.09664	2.27420	4	W
K15G20R	18.7	0.15	K153J	281.414	161.915	132.647	2.623	0.22828	2.26923	23	W
K15G20S	17.6	0.15	K153J	316.411	57.386	183.834	10.615	0.09834	2.68962	14	W
K15G20U	17.8	0.15	K153J	73.083	35.660	64.369	2.333	0.14383	2.40869	23	W
K15G20Z	17.1	0.15	K153J	237.235	150.062	167.499	2.599	0.04827	2.56137	22	W
K15G21A	16.7	0.15	K153J	86.841	270.964	186.679	10.692	0.05786	3.11679	25	W
K15G21D	17.2	0.15	K153J	34.660	345.527	167.837	2.120	0.02212	2.87562	14	W
K15G21E	16.4	0.15	K153J	348.989	48.103	154.118	1.615	0.06209	3.21167	28	W
K15G21F	16.8	0.15	K153J	211.672	318.773	21.943	9.978	0.04389	3.06054	14	W
K15G21H	18.0	0.15	K153J	1.041	15.519	170.587	1.930	0.12873	2.32874	14	W
K15G21L	16.9	0.15	K153J	330.870	35.469	187.354	9.717	0.06095	3.10276	14	W
K15G21Q	18.4	0.15	K153J	342.634	52.629	158.863	2.432	0.16955	2.37033	14	W
K15G21T	16.9	0.15	K153J	129.773	262.820	152.151	2.573	0.06293	2.86760	22	W
K15G21X	18.8	0.15	K153J	349.755	195.880	12.047	17.134	0.20716	2.78347	26	W
K15G22B	17.1	0.15	K153J	317.153	94.973	168.141	4.439	0.22601	2.69785	34	X
K15G22C	17.0	0.15	K1548	314.805	157.868	98.020	3.299	0.06455	2.72816	9	X
K15G22E	17.1	0.15	K1548	162.542	211.688	190.458	10.798	0.05696	2.99337	8	W
K15G22F	20.6	0.15	K1548	26.611	102.435	56.622	3.832	0.24490	2.08506	3	W
K15G22G	18.1	0.15	K1548	16.325	127.223	59.686	4.999	0.05171	2.54323	9	X
K15G22H	16.5	0.15	K1548	67.197	91.904	40.481	12.241	0.05547	2.90330	9	X
K15G22J	18.0	0.15	K1548	334.184	64.244	170.554	5.312	0.06382	2.71627	8	W
K15G22K	17.1	0.15	K1548	10.118	26.345	168.152	4.767	0.06901	3.05744	9	X
K15G22L	17.2	0.15	K1548	303.867	185.040	85.431	3.762	0.08218	3.06410	9	X
K15G22M	18.5	0.15	K1548	47.261	77.082	67.963	4.007	0.13253	2.45253	9	X
K15G22T	17.1	0.15	K1548	298.903	162.469	134.740	12.720	0.20791	2.71115	9	W
K15G22Y	17.4	0.15	K1548	350.479	68.141	158.184	14.138	0.11510	2.63727	9	W
K15G22Z	18.0	0.15	K153J	314.213	154.739	113.402	11.744	0.19328	2.28671	19	W
K15G23A	17.3	0.15	K1548	307.683	167.260	118.320	13.209	0.18531	2.67881	9	W
K15G23B	16.2	0.15	K153J	158.147	318.196	94.696	16.842	0.03942	3.05769	19	W
K15G23C	17.5	0.15	K1548	57.834	351.142	141.502	14.752	0.20936	2.76725	9	W
K15G23D	16.3	0.15	K153J	287.964	158.206	149.370	17.225	0.20556	3.17553	19	W
K15G23E	17.2	0.15	K153J	338.550	89.824	150.800	16.008	0.19491	3.09910	19	W
K15G23F	16.9	0.15	K153J	184.380	252.861	132.692	14.820	0.05848	2.40500	17	W
K15G23G	16.5	0.15	K1548	79.239	6.154	105.391	14.976	0.22417	3.03196	9	W
K15G23J	17.7	0.15	K153J	50.683	41.454	96.607	14.010	0.19705	2.61394	15	W
K15G23K	16.5	0.15	K153J	15.660	98.472	94.412	14.623	0.10748	3.18107	16	W
K15G23M	16.5	0.15	K153J	327.597	141.252	119.576	11.883	0.23490	2.87101	18	W
K15G23N	17.0	0.15	K153J	344.651	81.877	148.672	13.363	0.11574	2.63450	16	W
K15G23O	16.9	0.15	K153J	349.341	87.118	139.434	12.919	0.14220	2.89155	15	W
K15G23P	17.2	0.15	K1548	299.260	174.684	127.208	13.115	0.21014	2.73045	9	W
K15G23Q	17.2	0.15	K1548	314.111	155.642	123.002	12.490	0.16119	2.68827	9	W
K15G23R	16.9	0.15	K1548	340.185	107.796	135.027	13.270	0.14028	2.65425	9	W
K15G23T	16.1	0.15	K1548	325.857	175.469	92.619	17.636	0.16732	3.13025	9	W
K15G23W	16.8	0.15	K1548	9.379	114.094	91.505	18.047	0.12811	2.58509	9	W
K15G23Y	15.9	0.15	K1548	269.447	209.524	110.749	16.209	0.08856	3.17357	9	W
K15G23Z	16.3	0.15	K153J	279.475	200.132	103.354	15.548	0.05718	2.65060	15	W
K15G24B	17.1	0.15	K1548	24.919	46.269	125.831	10.420	0.24297	2.69265	13	W
K15G24D	16.0	0.15	K1548	55.649	60.390	70.966	14.268	0.15520	3.08787	9	W
K15G24E	16.6	0.15	K153J	230.916	211.702	126.522	11.368	0.09726	2.86961	22	W
K15G24F	17.3	0.15	K153J	241.965	170.998	150.980	13.876	0.05347	2.52108	25	W
K15G24G	16.6	0.15	K153J	119.584	336.338	100.126	13.166	0.04352	3.02450	25	W
K15G24H	16.1	0.15	K153J	91.679	327.584	131.233	13.307	0.08914	2.90866	27	W
K15G24J	18.0	0.15	K153J	34.802	354.938	149.709	13.315	0.22261	2.64817	22	W
K15G24M	17.7	0.15	K153J	334.271	85.344	157.742	13.157	0.27017	2.90892	22	W
K15G24N	16.5	0.15	K153J	359.976	123.740	75.249	13.654	0.09431	2.71700	27	W
K15G24O	16.3	0.15	K153J	277.396	173.084	113.397	11.735	0.01290	3.04932	22	W
K15G24P	17.3	0.15	K1548	274.761	211.541	91.814	8.479	0.12235	2.38364	10	X
K15G24Q	16.7	0.15	K1548	315.904	131.025	134.595	8.697	0.17518	3.04586	6	W

K15G24R	15.8	0.15	K153J	264.624	202.679	100.014	10.453	0.05073	3.07672	31	X
K15G24T	18.0	0.15	K153J	2.034	127.223	67.003	11.919	0.20065	2.73653	22	W
K15G24U	16.6	0.15	K1548	92.085	302.434	168.146	11.728	0.03594	2.70477	9	X
K15G24V	16.3	0.15	K153J	110.819	345.051	99.664	9.982	0.07368	3.09978	22	W
K15G24W	15.5	0.15	K153J	219.732	254.503	96.253	10.717	0.09215	3.17538	32	X
K15G24X	16.5	0.15	K1548	335.692	181.992	56.199	18.374	0.14802	3.12645	11	W
K15G24Z	16.0	0.15	K153J	151.298	318.307	92.335	11.454	0.03049	3.15644	27	W
K15G25A	17.2	0.15	K1548	252.596	243.276	78.225	12.716	0.07339	2.64048	10	X
K15G25B	17.6	0.15	K153J	354.996	69.409	136.838	10.302	0.10270	2.55119	22	W
K15G25D	17.4	0.15	K153J	329.826	116.309	119.841	10.059	0.08012	2.62678	31	X
K15G25E	16.7	0.15	K153J	246.942	161.339	165.175	14.129	0.08910	2.73322	28	W
K15G25G	16.1	0.15	K153J	245.534	172.040	151.959	12.546	0.04614	2.92292	23	W
K15G25H	16.2	0.15	K1548	200.032	271.930	98.719	12.162	0.06745	3.19485	6	W
K15G25K	18.4	0.15	K153J	53.280	88.726	48.750	22.273	0.04951	1.95039	31	DW
K15G25L	15.8	0.15	K153J	250.901	199.539	121.566	12.359	0.06495	3.15666	22	W
K15G25M	16.2	0.15	K153J	219.252	205.326	142.669	13.751	0.04494	2.70615	22	W
K15G25N	17.4	0.15	K1548	299.132	210.950	77.329	13.575	0.19103	2.38132	2	W
K15G25O	16.5	0.15	K153J	326.150	93.594	160.361	16.366	0.18995	3.18025	22	W
K15G25V	16.6	0.15	K153J	53.156	39.040	92.763	10.883	0.20351	2.77827	31	X
K15G25X	17.2	0.15	K1548	312.159	238.812	46.249	28.293	0.29124	2.41116	6	W
K15G25Y	16.6	0.15	K153J	9.803	52.719	142.476	12.822	0.08190	3.15164	22	W
K15G25Z	16.0	0.15	K1548	287.476	177.854	108.471	12.570	0.02330	3.13911	4	W
K15G26A	16.3	0.15	K153J	323.875	149.073	106.965	11.845	0.17607	3.12980	29	W
K15G26B	17.0	0.15	K1548	16.356	115.436	63.286	17.244	0.25802	2.68987	24	W
K15G26D	16.6	0.15	K153J	30.896	35.055	126.032	11.431	0.16440	3.13096	24	W
K15G26E	17.0	0.15	K153J	348.700	48.140	172.401	16.957	0.15666	3.17960	29	W
K15G26G	17.4	0.15	K1548	317.869	114.290	162.168	13.203	0.26836	2.61158	3	W
K15G26H	18.8	0.15	K1548	320.888	65.405	184.845	19.204	0.05539	1.87851	7	W
K15G26J	16.4	0.15	K153J	243.630	223.575	96.750	10.380	0.03719	3.01828	25	W
K15G26K	17.4	0.15	K1548	319.822	114.342	163.813	13.634	0.33239	2.76670	4	W
K15G26L	16.5	0.15	K153J	292.899	122.822	165.313	13.066	0.17473	3.00045	32	X
K15G26Q	15.7	0.15	K1548	259.997	187.859	137.557	12.375	0.18030	3.11178	4	W
K15G26R	17.1	0.15	K153J	24.768	47.778	102.694	17.259	0.18499	2.52795	34	W
K15G26U	16.2	0.15	K1548	320.982	137.196	103.984	14.364	0.09049	2.72494	6	W
K15G26W	16.2	0.15	K153J	15.121	23.790	152.959	22.837	0.05817	3.04017	28	W
K15G26Y	17.0	0.15	K153J	74.464	34.323	73.844	22.862	0.06123	2.65412	12	W
K15G26Z	15.6	0.15	K153J	238.681	213.851	105.464	20.302	0.05024	3.11282	12	W
K15G27G	19.3	0.15	K1548	336.715	112.939	121.904	4.929	0.19536	2.27943	3	W
K15G27L	17.7	0.15	K153J	358.637	31.730	164.263	2.738	0.16806	2.38039	30	X
K15G27M	18.5	0.15	K1548	32.933	355.167	165.228	3.757	0.15752	2.42928	24	W
K15G27O	19.0	0.15	K1548	338.109	66.074	168.211	3.574	0.16214	2.12125	2	W
K15G27P	17.9	0.15	K1548	33.224	121.431	39.036	14.236	0.16115	2.91531	8	X
K15G27Q	16.4	0.15	K153J	290.962	92.256	191.436	11.960	0.10098	3.10165	34	W
K15G27S	17.8	0.15	K1548	292.590	217.046	77.351	3.865	0.18695	2.44422	8	X
K15G27T	18.5	0.15	K1548	42.521	37.648	111.673	2.523	0.15455	2.47448	8	X
K15G27U	18.5	0.15	K1548	50.292	339.759	157.454	3.673	0.18355	2.82337	2	W
K15G27V	16.6	0.15	K1548	37.495	37.796	91.705	26.632	0.12182	2.72926	13	W
K15G27W	18.3	0.15	K1548	345.571	79.869	123.701	24.103	0.17840	2.23080	3	W
K15G27X	16.5	0.15	K153J	309.736	230.568	20.580	9.389	0.05625	3.03088	26	W
K15G27Y	18.3	0.15	K153J	11.517	149.891	19.431	9.363	0.29650	2.70565	17	W
K15G27Z	17.0	0.15	K1548	277.745	269.136	17.529	22.105	0.04158	2.79845	5	W
K15G28A	17.1	0.15	K153J	97.392	74.284	17.449	22.099	0.05715	2.70549	16	W
K15G28B	18.0	0.15	K1548	341.439	20.163	210.528	6.226	0.24658	3.07100	5	W
K15G28C	17.0	0.15	K153J	77.892	242.582	223.655	2.866	0.09703	2.61261	16	W
K15G28D	16.6	0.15	K1548	61.965	114.911	16.012	17.476	0.06190	2.75595	8	W
K15G28F	18.6	0.15	K1548	334.038	19.048	216.563	5.739	0.17396	2.45265	8	W
K15G28G	18.7	0.15	K1548	350.519	210.779	358.950	1.408	0.15424	2.46068	6	W
K15G28H	16.6	0.15	K153J	356.498	273.897	282.455	0.550	0.19497	3.03955	20	W
K15G28J	16.5	0.15	K153J	92.998	249.345	198.466	16.143	0.10939	3.08910	16	W
K15G28K	16.0	0.15	K153J	288.082	85.085	198.052	12.336	0.16073	3.11613	16	W
K15G28M	18.3	0.15	K153J	293.866	2.941	265.458	2.300	0.16787	2.30305	23	W
K15G28O	17.5	0.15	K153J	330.813	359.172	226.607	6.546	0.17472	2.47333	25	W
K15G28Q	18.1	0.15	K153J	310.573	0.782	252.822	2.801	0.18388	2.36038	16	W
K15G28S	18.4	0.15	K153J	280.298	79.726	208.070	5.693	0.19141	2.33727	24	W
K15G28T	18.1	0.15	K153J	348.250	311.009	247.913	1.468	0.15021	2.29601	30	W
K15G28U	17.5	0.15	K1548	335.623	275.845	302.633	1.106	0.07198	2.40762	6	W
K15G28V	17.0	0.15	K153J	294.282	77.716	190.661	13.887	0.17588	2.71865	32	X
K15G28W	17.9	0.15	K153J	324.805	221.897	9.386	2.535	0.17532	2.35547	37	W
K15G28X	16.4	0.15	K1548	317.520	220.416	14.102	5.391	0.05901	2.99914	5	W
K15G28Y	16.1	0.15	K1548	320.907	38.604	190.442	8.800	0.03250	3.16892	9	W
K15G28Z	18.3	0.15	K153J	341.135	197.337	10.091	1.988	0.11601	2.43772	23	W
K15G29A	17.6	0.15	K153J	19.896	141.083	17.619	9.876	0.12676	2.75860	16	W
K15G29B	17.8	0.15	K153J	266.150	295.647	3.101	7.928	0.16508	2.26691	27	W
K15G29C	16.8	0.15	K153J	106.938	246.996	185.435	4.107	0.07258	2.73649	30	W
K15G29D	16.8	0.15	K153J	262.815	288.479	19.591	9.218	0.21630	2.78644	22	W
K15G29F	18.2	0.15	K153J	306.716	174.758	84.679	1.599	0.19065	2.38840	22	W
K15G29H	18.7	0.15	K1548	5.321	169.741	17.556	3.263	0.17621	2.42687	6	W
K15G29J	17.0	0.15	K153J	96.062	67.263	19.509	5.400	0.06330	2.70044	16	W
K15G29K	16.8	0.15	K1548	331.010	184.066	44.765	1.400	0.09276	3.11645	6	W
K15G29L	16.3	0.15	K153J	296.891	242.739	14.270	17.634	0.02911	3.12462	30	W
K15G29M	18.2	0.15	K1548	219.288	323.887	16.794	19.528	0.06491	1.94972	6	W
K15G29N	18.1	0.15	K153J	279.097	55.539	235.789	0.701	0.17772	2.34825	25	W
K15G29O	18.0	0.15	K153J	29.746	347.016	164.042	1.304	0.12043	2.41228	29	W
K15G29P	17.8	0.15	K153J	290.034	215.158	60.492	1.237	0.14408	2.41587	16	W
K15G29Q	18.1	0.15	K1548	303.622	257.214	16.013	1.945	0.19640	2.45677	6	W
K15G29R	18.7	0.15	K1548	337.525	203.200	20.558	3.717	0.11269	2.51739	6	W
K15G29S	16.8	0.15	K153J	204.592	322.318	25.230	6.184	0.02629	2.75103	30	W
K15G29T	16.9	0.15	K153J	93.573	58.152	30.475	4.682	0.07817	2.80574	25	W
K15G29U	17.7	0.15	K1548	305.931	236.131	25.543	4.674	0.11666	2.36910	6	W
K15G29V	16.8	0.15	K1548	323.523	223.304	21.421	8.399	0.15649	3.07034	6	W
K15G29W	16.6	0.15	K153J	99.064	85.068	0.305	7.037	0.04829	2.98265	22	W
K15G29X	17.3	0.15	K153J	32.900	139.205	5.080	10.165	0.16629	3.14797	22	W
K15G29Y	16.6	0.15	K1548	120.616	154.615	269.063	1.035	0.09988	2.84651	5	W
K15G29Z	18.3	0.15	K153J	38.171	120.278	10.016	14.547	0.22540	2.55798	22	W
K15G30B	17.3	0.15	K153J	299.824	253.465	1.297	3.451	0.04334	2.78227	22	W
K15G30C	18.0	0.15	K1548	329.565	33.793	200.511	14.415	0.13381	2.72710	5	W
K15G30D	16.9	0.15	K153J	84.223	95.747	9.620	10.765	0.01170	3.03491	29	W
K15G30E	18.2	0.15	K153J	297.406	280.839	350.711	2.682	0.17455	2.36959	17	W
K15G30F	17.3	0.15	K153J	19.264	149.705	12.347	10.750	0.18452	3.13288	29	W
K15G30G	19.2	0.15	K1548	338.140	226.551	1.257	1.716	0.18728	2.26582	6	W
K15G30H	18.4	0.15	K1548	15.364	330.339	202.872	13.441	0.19019	2.62582	5	W
K15G30J	18.5	0.15	K1548	348.210	217.320	356.226	0.408	0.18444	2.28842	6	W

K15G30K	18.6	0.15	K153J	14.618	272.930	256.584	1.366	0.14701	2.33958	17	W
K15G30M	16.5	0.15	K1548	152.543	31.288	12.373	15.961	0.01418	3.12518	7	W
K15G30N	16.9	0.15	K153J	82.628	95.282	12.100	1.937	0.01964	2.86534	25	W
K15G30O	18.1	0.15	K1548	282.321	266.398	17.983	6.611	0.08807	2.34408	6	W
K15G30P	18.4	0.15	K153J	16.287	314.394	215.251	3.508	0.11986	2.38425	17	W
K15G30Q	18.1	0.15	K153J	355.665	323.605	233.334	1.445	0.16438	2.71018	17	W
K15G30R	19.1	0.15	K1548	357.585	358.468	201.894	12.620	0.15599	2.67718	4	W
K15G30T	17.1	0.15	K153J	356.881	187.340	8.544	3.750	0.03312	2.77998	21	W
K15G30U	18.7	0.15	K1548	339.130	213.969	14.601	1.301	0.20167	2.67233	6	W
K15G30V	17.3	0.15	K153J	313.740	67.946	181.614	2.651	0.13559	2.67199	17	W
K15G30W	14.2	0.15	K153J	313.512	198.759	44.117	3.275	0.03613	5.22272	30	W
K15G30X	18.4	0.15	K1548	312.670	199.296	48.511	1.471	0.04551	2.25946	6	W
K15G31A	17.8	0.15	K153J	20.086	324.412	195.098	8.586	0.21592	2.79896	21	W
K15G31B	17.8	0.15	K1548	286.661	103.430	188.760	8.344	0.19052	2.66227	4	W
K15G31C	16.8	0.15	K1548	287.003	252.971	37.256	4.122	0.17629	2.72142	6	W
K15G31D	16.6	0.15	K1548	231.969	153.792	187.763	5.642	0.20966	2.73268	6	W
K15G31E	16.9	0.15	K153J	303.528	242.316	26.701	9.404	0.18807	2.80018	29	W
K15G31F	17.4	0.15	K1548	235.578	182.280	156.952	1.694	0.21199	2.43546	6	W
K15G31G	16.8	0.15	K1548	123.124	226.693	190.694	15.084	0.17137	2.71336	6	W
K15G31H	16.5	0.15	K153J	247.424	247.361	76.163	3.236	0.20688	2.97634	24	W
K15G31J	17.2	0.15	K1548	47.331	296.046	193.887	25.210	0.18858	3.11967	6	W
K15G31K	18.1	0.15	K153J	25.145	103.772	53.355	2.017	0.12137	2.32184	24	W
K15G31M	16.6	0.15	K153J	82.995	339.505	112.394	2.118	0.15106	3.07335	25	W
K15G31N	17.9	0.15	K1548	54.336	15.712	110.980	2.284	0.14690	2.44504	4	W
K15G31O	18.0	0.15	K1548	82.707	267.452	192.811	21.959	0.06412	1.87798	7	W
K15G31Q	16.2	0.15	K153J	210.499	338.073	1.995	10.692	0.07069	2.97605	22	W
K15G31R	17.2	0.15	K153J	268.068	277.941	14.805	14.412	0.11751	2.58838	16	W
K15G31T	17.2	0.15	K153J	10.334	122.485	53.872	0.871	0.05680	3.05701	22	W
K15G31U	17.7	0.15	K1548	346.851	21.170	194.054	9.327	0.20122	2.74667	6	W
K15G31V	18.1	0.15	K153J	55.226	281.128	200.070	5.983	0.12674	2.20940	21	W
K15G31W	16.6	0.15	K1548	263.513	283.839	18.959	0.321	0.09166	2.84758	6	W
K15G31X	17.7	0.15	K153J	322.191	27.874	209.320	6.710	0.09805	2.77932	17	W
K15G31Y	17.9	0.15	K153J	26.327	319.206	198.688	7.551	0.11286	2.55069	21	W
K15G32B	17.8	0.15	K1548	339.133	212.784	21.238	9.264	0.27105	2.70419	6	W
K15G32C	16.6	0.15	K1548	273.481	276.440	22.895	17.252	0.13963	2.86984	6	W
K15G32D	17.7	0.15	K153J	80.739	73.386	25.205	6.191	0.11879	2.62865	25	W
K15G32E	17.0	0.15	K1548	0.424	345.708	203.301	7.199	0.13103	2.71793	9	W
K15G32F	17.6	0.15	K1548	90.706	259.283	194.704	12.592	0.10176	2.58087	6	W
K15G32G	15.7	0.15	K153J	137.004	319.755	96.449	13.252	0.07543	3.16432	25	W
K15G32H	16.7	0.15	K1548	290.826	213.335	98.338	12.315	0.34667	3.04621	5	W
K15G32J	17.2	0.15	K1548	62.734	37.775	74.145	14.542	0.23501	2.69366	3	W
K15G32K	18.2	0.15	K1548	33.586	30.139	124.717	10.306	0.17956	2.67762	3	W
K15G32M	15.8	0.15	K153J	260.779	211.566	91.927	13.353	0.05411	2.93217	25	W
K15G32N	16.3	0.15	K153J	231.456	250.425	93.778	13.681	0.21847	2.74412	24	W
K15G32O	17.5	0.15	K1548	333.380	173.257	67.880	16.201	0.19775	3.24002	3	W
K15G32T	16.4	0.15	K153J	217.853	243.730	109.264	13.104	0.16955	2.78094	25	W
K15G32U	16.2	0.15	K153J	224.477	181.683	161.249	16.035	0.07259	3.15976	25	W
K15G32X	16.6	0.15	K153J	219.054	215.544	128.821	11.276	0.03605	3.10498	25	W
K15G32Y	17.5	0.15	K153J	76.468	7.199	104.875	9.860	0.08661	2.52540	24	W
K15G32Z	16.6	0.15	K153J	20.855	87.301	88.974	11.423	0.05179	2.98605	25	W
K15G33A	16.2	0.15	K153J	204.035	237.792	123.904	12.604	0.09433	3.12966	25	W
K15G33B	16.1	0.15	K1548	132.654	332.722	92.407	10.392	0.06941	3.14029	5	W
K15G33D	17.8	0.15	K153J	25.726	44.379	123.316	7.490	0.06973	2.42877	28	W
K15G33F	15.8	0.15	K153J	208.846	284.215	73.665	12.118	0.10451	3.14597	25	W
K15G33H	18.1	0.15	K153J	357.815	129.385	69.777	10.329	0.06971	2.28747	25	W
K15G33J	16.8	0.15	K1548	62.607	328.173	160.469	11.675	0.12684	2.55616	7	W
K15G33L	18.3	0.15	K153J	1.150	72.025	124.128	6.139	0.10451	2.42865	30	W
K15G33M	16.6	0.15	K1548	299.176	176.980	109.302	7.928	0.18296	3.13258	10	W
K15G33N	17.3	0.15	K153J	301.786	97.760	172.389	13.664	0.09975	2.89562	26	W
K15G33O	16.1	0.15	K153J	143.777	269.110	147.874	10.160	0.03895	3.12165	26	W
K15G33P	16.8	0.15	K1548	271.044	224.940	97.525	9.203	0.24751	2.96412	6	W
K15G33S	16.3	0.15	K153J	273.791	124.225	171.768	22.321	0.05881	3.20788	27	W
K15G33T	17.0	0.15	K153J	189.093	290.039	82.656	14.560	0.14676	2.50844	25	W
K15G33V	16.7	0.15	K1548	305.042	219.625	68.016	19.361	0.24585	2.65928	5	W
K15G33Z	16.4	0.15	K1548	285.143	172.030	148.068	13.400	0.29024	2.98757	3	W
K15G34B	17.4	0.15	K1548	280.567	158.374	138.396	12.746	0.11879	2.69136	3	W
K15G34C	18.0	0.15	K1548	332.536	135.099	102.287	7.025	0.11055	2.23207	5	W
K15G34E	16.3	0.15	K1548	106.241	281.407	169.940	14.500	0.07909	3.17336	8	W
K15G34F	17.2	0.15	K153J	98.829	32.536	62.720	11.397	0.03546	2.27587	27	W
K15G34G	17.4	0.15	K153J	331.321	165.729	75.527	15.355	0.14382	2.78540	25	W
K15G34J	17.5	0.15	K1548	289.805	129.572	154.723	15.403	0.08857	2.88714	3	W
K15G34K	16.4	0.15	K1548	34.540	78.447	93.762	12.540	0.12210	2.66765	19	W
K15G34L	16.3	0.15	K1548	312.372	148.605	137.203	12.440	0.19605	3.13047	23	W
K15G34M	17.3	0.15	K1548	312.204	128.250	154.235	12.200	0.17796	2.59132	8	W
K15G34N	16.4	0.15	K1548	320.537	48.206	191.642	28.858	0.14937	2.80173	25	W
K15G34O	17.4	0.15	K153J	343.316	190.744	12.655	4.835	0.08936	2.67157	29	W
K15G34R	17.4	0.15	K1548	41.897	29.071	92.844	25.265	0.15221	2.55938	2	W
K15G34S	17.5	0.15	K1548	0.680	303.325	271.249	1.985	0.13489	2.23929	8	X
K15G34T	15.5	0.15	K1548	130.821	28.725	16.108	28.758	0.32005	2.84469	6	W
K15G34U	18.0	0.15	K153J	312.179	232.279	13.885	7.532	0.07567	2.40490	17	W
K15G34V	17.2	0.15	K153J	12.062	201.027	334.962	1.054	0.14565	3.11501	17	W
K15G34W	16.1	0.15	K153J	25.290	325.525	200.963	18.404	0.03120	3.13821	17	W
K15G34X	16.6	0.15	K1548	221.339	142.261	198.213	5.225	0.06794	2.68907	6	W
K15G34Z	18.8	0.15	K1548	309.122	119.226	160.295	4.296	0.22722	2.50706	2	W
K15G35A	17.2	0.15	K1548	306.706	200.092	67.060	5.628	0.08580	2.80499	7	X
K15G35B	17.7	0.15	K1548	48.308	9.177	132.681	2.944	0.15147	2.38458	7	X
K15G35C	17.4	0.15	K1548	221.462	213.764	134.314	3.533	0.04718	2.73004	7	X
K15G35E	17.4	0.15	K153J	151.414	212.267	194.016	14.282	0.10561	2.56638	19	W
K15G35G	17.1	0.15	K153J	290.960	98.233	185.390	9.890	0.11514	2.74704	25	W
K15G35H	16.5	0.15	K1548	258.242	268.373	46.374	8.907	0.06166	3.01226	7	X
K15G35J	18.7	0.15	K1548	359.594	89.864	115.410	2.252	0.10733	2.39388	7	X
K15G35K	18.5	0.15	K153J	5.771	150.004	37.443	12.546	0.18221	2.37455	25	W
K15G35L	18.3	0.15	K1548	258.334	279.339	53.788	5.930	0.25547	2.17626	7	X
K15G35M	16.4	0.15	K1548	303.353	242.599	37.112	18.159	0.16313	3.17134	6	W
K15G35N	19.1	0.15	K153J	354.742	151.033	52.023	5.269	0.15685	2.24383	25	W
K15G35O	17.3	0.15	K1548	330.463	136.462	100.577	3.209	0.02163	2.86819	7	X
K15G35T	17.3	0.15	K1548	120.049	237.911	198.068	16.515	0.10716	2.59056	7	X
K15G35U	15.8	0.15	K1548	210.427	172.306	194.500	13.823	0.22062	2.95899	6	W
K15G35V	17.7	0.15	K1548	350.982	152.623	62.264	4.088	0.02217	2.64041	7	X
K15G35W	18.7	0.15	K1548	352.142	85.653	129.016	2.342	0.12500	2.45110	7	X
K15G35Y	17.7	0.15	K1548	35.641	12.968	152.484	2.947	0.05165	2.26628	6	W
K15G36E	16.9	0.15	K1548	58.201	321.187	173.154	5.799	0.12468	2.91996	8	W

K15G36F	16.9	0.15	K1548	303.627	209.657	63.543	6.023	0.10822	3.23369	7	X
K15G36H	18.0	0.15	K1548	297.826	234.893	48.169	8.723	0.14635	2.62264	7	X
K15G36J	18.0	0.15	K1548	339.590	146.811	86.165	2.753	0.17817	2.27690	13	X
K15G36K	17.6	0.15	K1548	164.975	301.099	97.512	3.600	0.09159	2.70835	6	W
K15G36M	16.3	0.15	K1548	39.534	296.281	207.667	14.143	0.23666	3.12593	21	W
K15G36P	17.3	0.15	K153J	335.011	140.982	107.490	10.197	0.22707	2.65457	19	W
K15G36Q	16.3	0.15	K1548	338.788	47.172	202.965	33.778	0.20507	2.76959	4	W
K15G36R	16.0	0.15	K1548	314.860	195.757	78.190	15.116	0.14914	2.60147	22	W
K15G36S	15.5	0.15	K1548	120.987	12.407	58.223	10.942	0.07141	3.35688	1	W
K15G36T	16.3	0.15	K153J	21.655	98.779	69.437	8.584	0.09236	3.12173	25	W
K15G36U	17.7	0.15	K1548	334.175	108.413	126.525	5.642	0.16785	2.63309	4	X
K15G36V	15.8	0.15	K153J	282.640	245.655	15.852	12.935	0.07115	3.10685	25	W
K15G36W	17.8	0.15	K1548	321.126	25.729	212.135	4.667	0.15065	2.39734	9	W
K15G36X	18.5	0.15	K1548	24.650	160.386	352.631	3.298	0.19803	2.39661	11	W
K15G36Z	17.3	0.15	K1548	355.026	174.809	38.177	13.891	0.12044	2.42763	24	W
K15G37A	18.2	0.15	K1548	8.099	116.429	80.195	2.594	0.11280	2.37897	6	X
K15G37B	18.5	0.15	K1548	299.245	121.159	167.426	8.048	0.18786	2.42399	3	W
K15G37E	18.6	0.15	K1548	320.455	170.110	91.831	26.448	0.19299	2.27307	2	W
K15G37F	17.9	0.15	K1548	55.987	118.239	8.710	7.665	0.13303	2.57102	19	W
K15G37H	19.0	0.15	K1548	336.682	82.623	145.361	5.577	0.15616	2.29025	3	W
K15G37J	18.2	0.15	K153J	78.056	10.030	87.851	5.828	0.12136	2.23403	22	W
K15G37K	16.5	0.15	K153J	152.776	259.705	137.789	6.157	0.03830	2.77310	26	W
K15G37M	15.6	0.15	K1548	187.468	312.932	56.125	9.947	0.08927	3.14585	26	W
K15G37P	17.0	0.15	K153J	205.871	243.227	108.437	3.775	0.09634	2.68133	28	W
K15G37Q	16.2	0.15	K153J	33.631	343.244	173.384	11.103	0.05007	3.10983	25	W
K15G37R	18.2	0.15	K153J	305.092	98.336	171.267	6.631	0.21407	2.39472	27	W
K15G37S	16.8	0.15	K153J	319.816	131.364	104.636	5.010	0.04018	2.77050	28	W
K15G37T	16.5	0.15	K1548	44.174	50.941	85.491	4.293	0.18223	3.17714	10	W
K15G37U	17.2	0.15	K153J	16.212	95.929	76.380	5.460	0.12028	3.17309	28	W
K15G37V	17.6	0.15	K153J	44.013	77.063	61.060	6.065	0.11321	2.54252	30	W
K15G37W	16.8	0.15	K153J	129.856	268.148	150.126	7.460	0.06078	2.78000	28	W
K15G37X	17.8	0.15	K153J	37.690	9.624	132.058	5.641	0.14703	2.61748	22	W
K15G37Y	18.2	0.15	K153J	74.110	48.022	62.411	7.551	0.05571	2.22752	24	W
K15G37Z	17.0	0.15	K153J	150.233	7.492	30.626	27.263	0.05013	2.57958	22	W
K15G38C	16.4	0.15	K153J	167.073	245.637	139.391	7.553	0.09030	2.95755	24	W
K15G38D	16.7	0.15	K153J	66.837	38.672	84.969	6.982	0.02475	2.86726	22	W
K15G38G	16.6	0.15	K153J	50.524	337.392	158.941	10.394	0.07861	3.10290	24	W
K15G38K	16.4	0.15	K153J	293.964	157.890	113.291	6.539	0.09877	3.02537	22	W
K15G38L	16.9	0.15	K1548	120.672	265.835	167.884	13.658	0.02059	2.52672	3	W
K15G38N	18.3	0.15	K1548	18.845	98.540	69.289	7.742	0.19164	2.54198	3	W
K15G38O	16.3	0.15	K1548	98.000	11.284	66.726	10.173	0.17810	2.74812	25	X
K15G38Q	16.3	0.15	K153J	14.893	107.695	64.910	11.536	0.04856	3.03473	20	W
K15G38R	14.3	0.15	K153J	29.928	353.839	167.389	21.212	0.03355	5.14399	24	W
K15G38S	16.2	0.15	K1548	257.591	236.479	67.599	11.759	0.07493	3.01466	8	W
K15G38T	17.0	0.15	K1548	92.114	329.647	127.814	9.042	0.04544	2.86451	8	W
K15G38U	16.3	0.15	K153J	248.104	181.780	134.416	10.502	0.12540	3.21510	24	W
K15G38V	17.1	0.15	K153J	313.320	166.229	82.013	9.443	0.13126	2.71236	22	W
K15G38X	17.4	0.15	K153J	316.721	87.084	164.696	13.152	0.19438	2.65806	20	W
K15G38Y	18.2	0.15	K1548	359.895	127.534	67.568	10.488	0.13887	2.59105	6	W
K15G39A	15.5	0.15	K153J	98.994	3.052	81.463	10.371	0.08497	3.35871	22	W
K15G39B	16.7	0.15	K153J	50.561	333.273	159.176	13.607	0.10317	2.68668	24	DW
K15G39C	15.9	0.15	K153J	165.689	301.340	84.307	11.148	0.07111	3.02465	22	W
K15G39E	16.4	0.15	K153J	204.837	266.523	91.077	8.515	0.21841	2.58106	22	W
K15G39G	16.3	0.15	K1548	247.840	237.002	91.473	7.530	0.19546	2.56941	3	W
K15G39L	17.6	0.15	K153J	81.510	5.980	97.710	7.675	0.05951	2.33926	24	W
K15G39N	16.9	0.15	K153J	298.701	113.134	147.429	10.022	0.04142	3.17913	20	W
K15G39O	16.5	0.15	K153J	307.314	88.219	170.536	16.346	0.10997	3.11030	24	W
K15G39Q	16.6	0.15	K153J	141.235	310.632	94.335	8.442	0.13671	2.70889	22	W
K15G39U	16.7	0.15	K153J	26.918	60.747	98.340	7.890	0.12990	3.17516	22	W
K15G39Y	18.2	0.15	K153J	10.382	42.730	136.881	6.618	0.07909	2.17819	22	W
K15G40B	17.5	0.15	K1548	69.442	77.303	44.096	15.617	0.07192	2.53416	6	X
K15G40D	16.3	0.15	K1548	302.668	93.338	184.364	15.578	0.19474	3.17397	10	W
K15G40E	16.4	0.15	K1548	70.719	0.249	122.835	4.782	0.04454	2.80651	10	W
K15G40G	17.0	0.15	K153J	70.888	301.152	173.371	10.859	0.09105	3.06901	26	W
K15G40H	17.6	0.15	K153J	63.237	74.725	40.599	13.807	0.13634	2.60628	22	W
K15G40J	16.9	0.15	K1548	286.555	110.569	174.344	11.148	0.10255	2.89403	6	X
K15G40L	18.7	0.15	K1548	16.336	25.095	153.827	5.647	0.11459	2.20560	5	W
K15G40N	18.9	0.15	K153J	326.312	62.606	169.704	7.406	0.07026	2.24391	29	W
K15G40O	17.9	0.15	K1548	30.268	75.849	79.990	6.223	0.19310	2.60793	27	X
K15G40P	16.0	0.15	K1548	278.058	266.795	42.938	16.827	0.23930	3.12186	6	X
K15G40Q	15.9	0.15	K153J	53.233	307.250	188.861	25.259	0.09408	3.14991	32	W
K15G40R	17.1	0.15	K1548	316.015	197.746	52.094	11.344	0.06131	2.69837	27	X
K15G40T	17.6	0.15	K153J	333.093	120.416	102.729	7.082	0.03630	2.32817	24	W
K15G40X	17.4	0.15	K1548	283.869	228.741	63.926	11.597	0.15973	2.68686	3	W
K15G40Y	16.1	0.15	K153J	188.981	229.005	138.982	9.726	0.03920	3.09577	22	W
K15G40Z	17.5	0.15	K153J	8.605	13.074	169.520	15.165	0.13895	2.71766	24	W
K15G41A	16.5	0.15	K1548	107.651	324.111	121.146	9.212	0.05949	2.66271	27	X
K15G41C	18.0	0.15	K153J	19.862	101.861	52.315	15.823	0.30358	3.05911	24	W
K15G41F	16.8	0.15	K153J	19.933	120.152	50.088	18.524	0.05432	3.06380	22	W
K15G41G	17.2	0.15	K153J	341.199	86.176	132.431	10.303	0.14945	3.05346	24	W
K15G41H	16.8	0.15	K153J	0.308	109.769	83.141	10.402	0.08854	3.03528	22	W
K15G41J	16.5	0.15	K153J	120.102	348.206	72.028	13.325	0.15172	2.89802	24	W
K15G41K	16.6	0.15	K153J	80.484	336.968	122.315	11.681	0.12702	3.07090	22	W
K15G41N	16.2	0.15	K153J	340.627	96.355	120.621	10.883	0.05561	3.11639	20	W
K15G41P	17.9	0.15	K1548	357.139	71.647	131.158	8.998	0.08979	2.23946	27	X
K15G41S	17.2	0.15	K153J	301.887	99.247	166.032	15.161	0.09913	2.57790	25	W
K15G41U	16.7	0.15	K153J	125.805	300.662	122.992	11.996	0.09202	2.63738	22	W
K15G41W	15.9	0.15	K1548	228.578	249.152	88.307	12.924	0.05434	3.14692	6	X
K15G41Y	15.4	0.15	K153J	296.129	162.495	102.603	11.685	0.02585	3.11950	30	X
K15G42A	17.5	0.15	K1548	331.699	126.320	122.520	10.560	0.23975	3.14808	5	W
K15G42B	16.2	0.15	K1548	307.574	170.109	97.758	13.216	0.12052	3.19368	3	W
K15G42D	16.4	0.15	K153J	242.872	220.476	101.507	10.580	0.06091	3.17260	24	W
K15G42F	16.9	0.15	K153J	309.400	171.386	81.256	11.317	0.04400	2.99509	25	W
K15G42G	16.4	0.15	K153J	297.725	146.285	118.585	10.505	0.03413	3.16473	25	W
K15G42H	15.8	0.15	K153J	59.893	37.511	93.388	11.553	0.07658	3.21003	27	W
K15G42J	16.3	0.15	K153J	61.534	49.761	83.449	12.210	0.03976	3.19241	27	W
K15G42M	16.8	0.15	K153J	312.662	115.602	138.424	11.520	0.07826	3.15837	25	W
K15G42N	16.6	0.15	K153J	288.312	142.889	136.518	11.552	0.07149	2.97308	25	W
K15G42O	17.3	0.15	K153J	324.505	71.818	165.404	16.840	0.02169	2.87608	25	W
K15G42P	18.1	0.15	K153J	350.216	44.809	166.453	13.878	0.19229	2.63794	26	W
K15G42R	17.8	0.15	K153J	9.828	131.041	50.120	14.491	0.15070	2.54192	25	W
K15G42V	18.5	0.15	K153J	71.111	21.864	91.212	5.617	0.10101	2.23268	28	W

K15G43B	18.8	0.15	K153J	350.229	119.832	86.552	6.318	0.10580	2.30683	23	W
K15G43D	17.0	0.15	K1548	10.630	144.009	42.104	17.715	0.18158	3.12960	28	X
K15G43G	17.7	0.15	K1548	127.111	350.480	76.760	7.213	0.09321	2.26165	6	X
K15G43H	16.4	0.15	K153J	47.318	9.414	126.523	6.656	0.16250	3.18614	31	X
K15G43M	16.9	0.15	K1548	39.771	65.004	85.662	7.709	0.14856	2.96994	10	W
K15G43N	16.5	0.15	K1548	315.133	214.079	48.031	17.615	0.15984	3.16587	11	X
K15G43O	16.6	0.15	K153J	119.463	20.786	54.087	14.364	0.04584	2.80868	30	W
K15G43P	17.6	0.15	K1548	70.122	57.041	56.283	13.096	0.16717	2.60918	10	W
K15G43Q	17.8	0.15	K153J	103.401	323.355	124.321	6.289	0.06624	2.36267	30	W
K15G43R	16.4	0.15	K153J	301.345	195.209	75.184	8.846	0.11481	3.09077	30	W
K15G43U	18.2	0.15	K153J	320.288	178.257	77.929	6.830	0.21493	2.63868	30	W
K15G43V	17.9	0.15	K1548	32.323	47.971	117.604	6.652	0.08149	2.38727	10	W
K15G43W	17.9	0.15	K1548	348.331	123.852	96.063	6.237	0.16888	2.54069	12	W
K15G44A	15.4	0.15	K153J	227.419	158.556	187.412	26.937	0.11516	3.12049	32	X
K15G44B	17.0	0.15	K153J	64.260	49.394	68.862	12.519	0.15365	2.70550	31	X
K15G44D	16.5	0.15	K153J	62.880	301.392	173.514	13.537	0.13770	3.09458	28	W
K15G44E	17.2	0.15	K153J	281.663	215.286	75.619	4.646	0.17395	2.73416	28	W
K15G44F	16.0	0.15	K153J	272.316	232.295	60.536	8.881	0.10888	3.10793	22	W
K15G44H	16.4	0.15	K153J	234.990	259.842	62.164	15.030	0.05546	3.06532	22	W
K15G44J	16.9	0.15	K153J	124.578	277.582	140.882	8.752	0.13079	2.73097	22	W
K15G44L	16.7	0.15	K153J	2.839	87.315	99.272	5.644	0.22237	2.69917	22	W
K15G44N	18.3	0.15	K1548	336.122	91.001	139.706	3.968	0.14938	2.39056	11	X
K15G44O	17.1	0.15	K153J	47.592	49.571	93.671	4.379	0.03762	2.75562	35	X
K15G44Q	16.1	0.15	K153J	19.191	123.796	49.013	10.968	0.06576	3.14085	24	W
K15G44R	17.0	0.15	K153J	3.708	58.327	134.286	6.146	0.06307	3.11346	29	W
K15G44U	17.3	0.15	K153J	98.423	30.318	58.418	14.171	0.08067	2.72098	24	W
K15G44W	18.0	0.15	K153J	98.323	341.759	108.131	7.097	0.05116	2.26243	24	W
K15G44Y	18.2	0.15	K153J	277.100	223.738	78.950	10.881	0.23903	2.34652	22	W
K15G44Z	16.1	0.15	K153J	28.005	49.852	118.835	10.115	0.01218	3.15686	20	W
K15G45B	18.7	0.15	K1548	25.295	47.031	91.058	10.031	0.43097	2.85252	6	W
K15G45D	16.5	0.15	K153J	94.243	34.897	54.516	19.511	0.13177	3.17849	27	W
K15G45E	17.1	0.15	K1548	90.390	3.006	83.453	11.267	0.23207	2.62447	6	W
K15G45F	16.4	0.15	K153J	193.535	215.492	156.100	14.108	0.17196	2.76974	27	W
K15G45J	18.4	0.15	K153J	337.368	116.718	105.868	6.736	0.07606	2.42434	25	W
K15G45L	17.7	0.15	K153J	92.039	7.880	79.718	7.588	0.15270	2.46733	25	W
K15G45M	17.2	0.15	K153J	224.021	217.799	123.778	7.084	0.10039	2.67412	27	W
K15G45N	18.3	0.15	K1548	12.539	138.425	47.122	14.765	0.12153	2.64091	10	W
K15G45O	17.4	0.15	K1548	291.263	208.846	71.006	7.635	0.08274	2.24704	6	X
K15G45P	16.6	0.15	K1548	276.609	229.183	65.970	10.745	0.07903	2.85706	8	W
K15G45R	16.9	0.15	K153J	162.239	273.471	122.417	6.923	0.05862	2.72227	30	W
K15G45U	17.2	0.15	K1548	275.314	126.687	179.172	14.311	0.14147	2.55723	10	W
K15G45X	16.9	0.15	K153J	143.605	311.173	99.270	6.680	0.06773	2.70196	27	W
K15G46F	18.1	0.15	K1548	350.637	43.938	173.204	14.749	0.17784	2.59856	3	W
K15G46G	16.7	0.15	K1548	38.479	28.313	131.080	10.647	0.08152	3.16267	3	W
K15H00L	17.5	0.15	K1548	322.461	256.914	355.116	5.552	0.27617	2.80351	9	W
K15H00M	16.2	0.15	K1548	21.883	313.583	223.850	9.596	0.15983	3.16994	21	X
K15H01V	17.3	0.15	K1548	356.113	126.372	85.475	8.836	0.19355	2.98584	5	X
K15H01X	16.6	0.15	K1548	116.047	347.026	101.801	7.227	0.02509	2.67654	7	X
K15H02B	16.3	0.15	K1527	314.494	296.575	261.173	13.782	0.09562	2.85571	141	DW
K15H02L	17.4	0.15	K153J	11.064	286.899	221.830	12.669	0.18261	2.65203	31	W
K15H02N	16.8	0.15	K153J	9.129	290.243	219.510	13.738	0.08639	2.61769	30	W
K15H02X	16.4	0.15	K153J	74.488	184.196	266.358	11.397	0.12555	2.69488	31	W
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K15H02Z	16.8	0.15	K1548	280.497	328.498	314.693	12.820	0.15767	2.68064	8	W
K15H03A	15.4	0.15	K1548	252.207	30.963	262.534	10.843	0.05230	3.20727	8	W
K15H03B	17.6	0.15	K1548	62.370	155.659	309.489	10.685	0.14052	2.60026	8	W
K15H03C	16.6	0.15	K1548	271.060	339.758	319.424	13.412	0.25001	2.62056	8	W
K15H03D	18.4	0.15	K1548	294.783	320.131	314.441	10.251	0.21250	2.28140	8	W
K15H03E	17.8	0.15	K1548	76.975	115.312	341.610	19.869	0.10082	2.34822	8	W
K15H03H	16.1	0.15	K1548	113.448	139.239	280.153	8.891	0.09562	3.10455	8	W
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K15H03Q	18.4	0.15	K1548	2.352	212.867	332.154	12.601	0.21646	2.65991	8	W
K15H03S	18.6	0.15	K1548	26.168	301.243	209.991	22.068	0.16225	2.31198	8	W
K15H03T	16.1	0.15	K1548	8.854	225.983	309.431	12.844	0.07955	2.73490	8	W
K15H03V	17.0	0.15	K1548	317.884	309.269	298.856	10.543	0.19707	2.88732	8	W
K15H03Z	18.5	0.15	K1548	14.302	235.135	297.616	7.523	0.06347	2.23758	8	W
K15H04C	18.0	0.15	K1548	117.452	215.552	212.596	20.020	0.02981	2.01428	8	W
K15H04D	13.9	0.15	K1548	256.577	9.169	286.873	11.261	0.07388	5.28522	8	W
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h1760        5C2015 04 21.09715 12 49 38.25 -09 44 01.1                LEH079W84
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h3303         C2015 04 22.42104 14 01 25.05 +29 50 24.6          20.1 VqEH079G96
h3303         C2015 04 22.42514 14 01 24.28 +29 50 21.3          20.2 VqEH079G96
h3303         C2015 04 22.42925 14 01 23.49 +29 50 18.2          20.3 VqEH079G96
h3303         C2015 04 22.43335 14 01 22.70 +29 50 14.7          20.0 VqEH079G96

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◀ Read *MPEC* 2015-H78 ▶ Read *MPEC* 2015-H80

Display *MPEC* number: Clear

Enter an *MPEC* number in one of the following forms:

- 1997-B01 (the full form)
- J97B01 (the packed version of the full form)
- B01 (the abbreviated form)

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