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MPEC 2021-M93 : DAILY ORBIT UPDATE (2021 June 27)

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M.P.E.C. 2021-M93

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Update to 2021-M91

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

Erroneous identifications:

# K10AC4Y	K14P14P	MPO301652
# K07C68P	K10B33W	MPO282748
# K07H10H	K09WQ9T	MPO496917

New identifications:

K10CL3Q	K20Q32X	Weryk
K10BA5C	K10O08B	Weryk
K08UG5G	K16G52O	Weryk
K07T00L	K14H41X	Weryk
K19G43Q	K10T24R	Weryk
K09A62U	K10B50D	Weryk
K10K82F	K15DJ5P	Weryk
K16U92D	K04VA3L	Weryk
K05YI2X	K13R70A	Weryk
K17D62X	K18P56V	Weryk
K10H89T	K16G03S	Weryk
K19U41F	K06WK6T	Weryk
K18X23F	K07VX7T	Weryk
K04BG2O	K07T47Y	Weryk
K07U74A	K10B68V	Weryk
K05P00C	K14WM6T	Weryk
K03UF4M	K15G35C	Weryk
K09BE1K	K20B57J	Weryk
K19R10X	K03X33A	Weryk
K14P14P	K20R65W	Weryk
K19R69U	K19T49X	Weryk
K19SE7N	K08RC4U	Weryk
K10G21Z	K19T66C	Weryk
K10B60A	K21G79E	Weryk
K13RE6N	K13S01V	Weryk
K10BA3K	K18R53B	Weryk
K10MB0P	K21C26Z	Weryk
K10J63X	K21A13T	Weryk
K15Fc4U	K17QA9N	Weryk
K10CN1S	K20M13L	Weryk

K15G65K	K09A18E										Weryk
K10B67F	K100170	K21G67B									Weryk
K10O60D	K17R77V										Weryk
K10G38Y	K21D10V										Weryk
K19P09Y	K13EH3U										Weryk
K10EG0H	K20Y05Z										Weryk
K10V52M	K20Q73X										Weryk
K10DA2U	K20S16V										Weryk
K10LC7D	K21G77E										Weryk
K10L70K	K21C28S										Weryk
K06DK6Z	K15H66Z										Weryk
K14H98T	K20U42J										Weryk
K04N18J	K17M18L										Weryk
K14Wx0Q	K10JI5D										Weryk
K10G13J	K20R80L										Weryk
K14Wt1Z	K13N57V										Weryk
K09H33D	K13G31Z										Weryk
K10B38P	K15A03P										Weryk
K19UA5L	K06A99F										Weryk
K05N89A	K08GG7B	K16EM2U									Weryk
K13G06H	K06WK7Y										Weryk
K15X71V	K20X13Z										Weryk
K19A46J	K03BA3L										Weryk
K11FC1G	K06F55T										Weryk
K10K67D	K16G65A										Weryk
K10OE3K	K21E34B										Weryk
K20M29P	K09UD9F										Weryk
K05N38K	K21J11Q										Weryk
K11B88J	K10B33W										Weryk
K10N39V	K16V44G										Weryk
K18V41S	K09WQ9T										Weryk
K10U50H	K19Q08P										Weryk

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J83L00C	19.4	0.15	K2175	349.066	184.859	159.707	1.563	0.71525	2.60134	3	X
J95S57C	17.3	0.15	K2175	326.490	295.893	12.108	0.350	0.17686	3.05184	7	X
J97E10J	16.4	0.15	K2175	11.075	66.441	176.282	5.608	0.09442	3.22989	13	X
J99F67P	18.8	0.15	K2175	131.518	251.421	198.810	3.577	0.18839	2.34939	7	X
J99FA0A	16.7	0.15	K2175	239.527	13.317	339.286	9.504	0.04738	3.05024	7	X
J99RQ0X	16.6	0.15	K2175	316.146	95.602	205.227	1.879	0.07132	3.22253	9	X
J99T44Z	17.4	0.15	K2175	281.646	132.672	208.269	12.384	0.22405	2.77057	6	X
J99TU7Z	17.2	0.15	K2175	290.292	216.553	117.389	2.131	0.10352	2.76823	12	X
J99TV2S	17.9	0.15	K2175	296.460	172.216	189.990	15.519	0.31894	2.72591	5	X
J99TY2A	18.5	0.15	K2175	297.697	158.194	182.823	14.668	0.17017	2.41606	6	X
J99XQ5W	17.1	0.15	K2175	247.644	59.792	309.693	1.094	0.08357	2.86410	12	X
J99Y23P	17.1	0.15	K2175	155.744	319.920	115.419	3.122	0.04099	2.85786	10	X
K00A84L	17.1	0.15	K2175	91.901	348.540	152.786	4.807	0.22381	2.53875	10	X
K00CF4J	17.6	0.15	K2175	291.725	335.313	335.318	14.518	0.11651	2.55310	7	X
K00EK4K	16.7	0.15	K2175	274.795	257.497	62.830	1.827	0.04410	3.00631	10	X
K00GI8R	19.3	0.15	K2175	20.392	173.360	45.463	1.929	0.13905	2.29659	7	X
K00H03Q	18.8	0.15	K2175	17.551	190.480	41.109	7.326	0.38712	2.30057	4	X
K00K84A	17.8	0.15	K2175	129.812	53.748	48.626	2.221	0.05766	2.61231	11	X
K00K84S	16.3	0.15	K2175	321.898	115.955	184.690	9.731	0.09295	3.00903	10	X
K00QP9E	17.6	0.15	K2175	170.979	252.705	164.950	1.674	0.13199	3.15034	8	X
K00RA6Y	16.3	0.15	K2175	196.998	30.055	357.486	12.113	0.05408	3.18707	9	X
K00Sc1X	17.5	0.15	K2175	322.920	88.265	201.570	28.215	0.31153	2.67127	5	X
K00Sc6S	16.7	0.15	K2175	309.419	55.930	242.467	8.601	0.04912	3.18401	8	X
K00T81T	18.0	0.15	K2175	159.659	21.512	52.171	5.452	0.05474	2.72882	9	X
K00WJ9Q	18.2	0.15	K2175	98.843	89.880	35.217	1.908	0.13973	2.42718	10	X
K00WK1N	16.7	0.15	K2175	214.643	263.011	146.064	14.603	0.13922	3.19523	5	X
K00YE6G	17.1	0.15	K2175	213.614	163.299	247.315	15.773	0.12093	3.21932	5	X
K01B83Q	15.8	0.15	K2175	244.468	130.549	244.188	25.852	0.19297	3.19432	9	X
K01FM5D	17.3	0.15	K2175	113.866	159.904	180.637	12.522	0.21147	3.10109	4	V
K01QK8M	16.2	0.15	K2175	256.000	0.998	347.487	11.013	0.17300	3.03536	10	X
K01QX9F	18.1	0.15	K2175	221.777	41.191	333.456	3.111	0.06752	2.29890	9	X
K01R37A	16.8	0.15	K2175	290.520	193.385	166.633	15.704	0.30556	2.97862	5	X
K01RF6V	16.4	0.15	K2175	129.324	317.522	151.493	21.647	0.22279	3.06347	7	X
K01RF8M	17.3	0.15	K2175	274.033	150.755	165.669	10.098	0.06208	3.06134	6	X
K01SZ1X	17.2	0.15	K2175	332.970	233.158	57.704	15.855	0.14415	2.59955	7	X
K01SZ9S	17.7	0.15	K2175	20.472	224.413	344.544	9.302	0.06148	2.60935	7	X
K01Sa1F	17.4	0.15	K2175	317.887	96.217	221.281	7.906	0.17242	2.57529	8	X
K01Sa4K	16.7	0.15	K2175	265.925	279.435	66.330	11.585	0.15057	3.06856	6	X
K01T54H	17.8	0.15	K2175	247.183	209.038	196.740	17.701	0.36531	2.58818	4	X
K01TF2X	16.3	0.15	K2175	201.753	350.485	44.753	18.377	0.21259	3.12080	6	X
K01TK5G	17.5	0.15	K2175	272.489	195.780	128.454	7.486	0.13535	2.30415	9	X
K01TN1Y	17.2	0.15	K2175	206.728	177.478	214.155	10.398	0.22105	3.11229	5	X
K01TQ4Q	16.4	0.15	K2175	127.641	61.722	43.734	10.829	0.10895	3.15737	10	X
K01UJ1Q	16.8	0.15	K2175	202.783	209.064	209.385	16.644	0.24293	3.08596	6	X
K01UN2S	13.3	0.15	K2175	292.388	263.327	72.583	19.618	0.12490	5.15569	13	X
K01V06U	17.1	0.15	K2175	182.290	179.154	231.386	6.966	0.19559	2.66475	7	X
K01VD6J	16.2	0.15	K2175	267.333	255.369	100.950	11.805	0.06246	3.07850	9	X
K01W88F	16.5	0.15	K2175	181.042	349.939	51.361	17.988	0.21636	3.17180	6	X
K01WA6Y	14.2	0.15	K2175	334.795	212.982	69.130	4.485	0.04697	5.28873	11	X
K01Y03U	19.9	0.15	K2175	41.056	83.039	82.425	8.542	0.46413	1.94425	3	X
K02AL2H	18.2	0.15	K2175	79.790	251.490	253.619	1.600	0.14057	2.38627	9	X
K02GJ1H	17.6	0.15	K2175	338.963	130.335	168.544	22.934	0.15288	1.93273	8	X
K02M03O	16.8	0.15	K2175	16.469	123.859	95.975	60.800	0.22917	2.44019	6	X
K02O34X	18.5	0.15	K2175	330.720	87.150	217.129	0.799	0.18202	2.45946	7	X
K02O36F	18.9	0.15	K2175	319.660	299.431	5.795	1.656	0.21185	2.17954	5	X
K02PJ4O	16.0	0.15	K2175	53.640	207.466	309.387	16.332	0.18893	2.54414	10	X
K02Q44J	18.3	0.15	K2175	274.780	342.983	20.203	6.324	0.26915	2.19050	7	X
K02RF8Q	18.3	0.15	K2175	356.559	327.573	303.861	2.891	0.22455	2.18387	10	X

K07TI5B	16.0	0.15	K2175	275.643	123.325	251.113	10.174	0.29732	3.97578	5	X
K07TQ7D	18.2	0.15	K2175	274.854	147.389	197.344	0.749	0.19858	2.40102	8	X
K07TR9A	17.1	0.15	K2175	140.609	253.569	212.180	13.035	0.05439	3.02111	6	X
K07TU8F	18.4	0.15	K2175	342.320	217.459	66.594	3.436	0.17698	2.38687	6	X
K07TV3V	17.1	0.15	K2175	244.791	316.156	47.545	11.149	0.16900	3.00125	5	X
K07Tk9V	16.9	0.15	K2175	216.059	266.394	112.362	6.571	0.15262	3.06159	7	X
K07Tl4M	16.9	0.15	K2175	255.975	347.271	350.250	11.028	0.05479	2.96000	8	X
K07Tm1X	17.1	0.15	K2175	75.708	96.561	69.184	10.123	0.06374	3.08217	7	X
K07Tn4W	17.4	0.15	K2175	281.461	219.962	108.591	6.030	0.12067	3.00325	5	X
K07Tn4Y	16.7	0.15	K2175	114.207	258.098	188.387	9.209	0.07045	3.19345	7	X
K07Tn5F	16.9	0.15	K2175	1.713	188.563	57.656	23.291	0.06488	3.04902	5	X
K07Tn5N	17.8	0.15	K2175	128.593	231.056	214.435	4.579	0.22209	3.14537	4	X
K07Tn5W	17.2	0.15	K2175	96.323	47.183	58.179	11.791	0.11057	3.17992	5	X
K07U23F	16.3	0.15	K2175	348.883	169.312	54.236	9.814	0.03001	3.12887	9	X
K07U25N	18.5	0.15	K2175	324.138	265.927	50.168	4.567	0.23959	2.38026	5	X
K07U58N	18.2	0.15	K2175	134.888	231.398	226.557	5.301	0.06902	2.47215	7	X
K07U73L	17.1	0.15	K2175	270.878	287.334	34.336	11.119	0.11123	3.04099	6	X
K07U74A	16.7	0.15	K2175	41.109	317.807	220.706	4.642	0.07637	3.11378	9	V
K07U80V	18.0	0.15	K2175	256.540	132.679	220.639	6.207	0.16155	3.00608	4	X
K07U96V	16.7	0.15	K2175	105.062	64.718	52.079	23.196	0.11417	3.15604	7	X
K07UA8U	17.2	0.15	K2175	125.102	251.004	202.077	0.365	0.16347	3.14858	10	X
K07UA9R	19.5	0.15	K2175	285.497	152.820	206.849	1.486	0.22450	2.37727	4	X
K07UC9T	17.4	0.15	K2175	150.846	216.955	219.516	8.756	0.09582	3.10345	5	X
K07UF3Z	16.8	0.15	K2175	229.704	81.894	279.601	6.665	0.07343	3.07336	8	X
K07UF5Q	16.4	0.15	K2175	73.935	65.598	67.842	10.379	0.05022	3.16424	8	X
K07UF9J	18.6	0.15	K2175	209.741	341.975	50.059	7.034	0.12136	2.44429	4	X
K07VA7J	17.2	0.15	K2175	152.495	228.304	230.574	3.261	0.10179	3.07987	8	X
K07VG9F	15.7	0.15	K2175	327.776	211.701	77.410	21.286	0.15103	3.07639	11	X
K07VH8M	16.4	0.15	K2175	176.776	208.048	204.270	10.135	0.11760	3.08445	10	X
K07VK3N	17.2	0.15	K2175	293.059	242.415	87.197	7.714	0.12460	2.99346	4	X
K07VL4X	18.4	0.15	K2175	185.582	345.978	79.962	8.684	0.10616	2.45872	7	X
K07VN9H	16.8	0.15	K2175	200.832	321.764	66.173	17.761	0.13494	3.11194	7	X
K07VS5J	17.9	0.15	K2175	205.914	165.262	238.543	13.826	0.08494	2.46355	7	X
K07VU7M	17.8	0.15	K2175	162.992	6.162	57.308	2.186	0.17605	3.13493	6	X
K07VY1P	17.0	0.15	K2175	306.171	56.352	258.407	13.349	0.27407	2.96685	6	X
K07VZ5C	17.2	0.15	K2175	210.172	287.927	102.500	2.510	0.18582	3.08099	4	X
K07Va1J	16.5	0.15	K2175	125.412	258.492	223.323	9.250	0.06223	3.09882	8	X
K07Va1N	16.8	0.15	K2175	38.335	85.259	123.889	9.947	0.07623	3.07130	6	X
K07Va4M	18.5	0.15	K2175	205.235	348.999	46.784	7.373	0.13988	2.46777	6	X
K07Va5C	17.3	0.15	K2175	94.486	262.019	230.885	11.361	0.18477	3.19159	5	X
K07W42G	16.8	0.15	K2175	106.371	240.639	231.375	9.921	0.13907	3.18311	7	X
K07X25D	16.6	0.15	K2175	139.687	246.374	206.615	10.765	0.04212	3.15608	8	X
K07X61N	16.4	0.15	K2175	132.172	176.844	263.924	9.430	0.07693	3.15750	8	X
K07X62Q	16.1	0.15	K2175	301.277	18.649	278.813	10.153	0.08759	3.17265	9	X
K07Y22B	17.9	0.15	K2175	103.482	311.428	181.628	1.383	0.09888	2.52935	7	X
K07Y79Y	17.3	0.15	K2175	242.518	309.971	72.889	13.052	0.08377	3.09951	6	X
K07Y83E	16.6	0.15	K2175	212.632	266.879	139.014	17.070	0.22313	3.12106	6	X
K08A69S	16.1	0.15	K2175	281.053	229.266	116.915	9.899	0.07679	3.13067	13	X
K08AD1S	17.5	0.15	K2175	291.488	5.528	303.694	3.717	0.08789	2.54142	10	X
K08AD3M	19.1	0.15	K2175	181.052	355.673	232.563	0.805	0.14782	2.34370	3	V
K08AF4B	17.9	0.15	K2175	38.605	82.371	126.838	16.558	0.13867	2.55185	5	X
K08AF4L	18.3	0.15	K2175	73.700	169.644	331.429	5.797	0.11129	2.58193	6	X
K08AF4N	18.8	0.15	K2175	71.582	57.856	107.716	8.325	0.13532	2.55343	2	X
K08B57W	16.2	0.15	K2175	218.994	276.372	125.230	23.245	0.23270	3.16116	7	X
K08C45H	18.1	0.15	K2175	51.751	133.505	37.809	4.642	0.13356	2.61398	3	X
K08C52U	16.7	0.15	K2175	6.383	140.727	109.110	6.743	0.07430	3.25220	7	X
K08C68W	16.9	0.15	K2175	5.632	138.874	99.916	14.262	0.12232	2.55461	12	X
K08CL5V	17.7	0.15	K2175	68.439	112.873	43.816	3.992	0.12088	2.60435	7	X
K08CN8C	14.0	0.15	K2175	270.927	208.712	138.569	32.352	0.07672	5.19984	9	X
K08CO5E	16.6	0.15	K2175	178.882	301.315	127.307	18.498	0.08457	3.22948	6	X
K08D20W	17.0	0.15	K2175	142.328	213.890	226.210	9.597	0.20272	2.56490	11	X
K08D59G	17.4	0.15	K2175	72.718	45.336	126.817	9.437	0.12622	2.57665	7	X
K08D61A	18.4	0.15	K2175	355.586	220.323	12.888	4.252	0.12256	2.62005	4	X
K08D79T	16.9	0.15	K2175	92.272	80.076	71.554	12.361	0.13057	2.56987	8	X
K08E27C	18.8	0.15	K2175	36.116	98.778	79.412	6.026	0.16714	2.62718	3	X
K08E27F	17.9	0.15	K2175	12.940	181.300	59.211	6.730	0.06131	2.57279	7	X
K08EB6S	17.5	0.15	K2175	108.054	98.976	29.038	6.396	0.07931	2.61079	9	X
K08EH1E	19.1	0.15	K2175	8.497	78.186	184.190	21.862	0.12689	1.86770	7	X
K08EJ0G	14.3	0.15	K2175	331.193	233.089	49.670	6.083	0.07714	5.20243	9	X
K08EJ4U	15.1	0.15	K2175	333.514	182.845	100.132	6.628	0.16319	5.19064	6	X
K08EJ4V	17.8	0.15	K2175	2.662	69.568	188.576	12.816	0.23115	2.65476	6	X
K08F38Z	17.1	0.15	K2175	55.360	106.826	48.228	9.310	0.07109	2.66562	9	X
K08F49B	18.2	0.15	K2175	112.818	309.510	186.121	15.104	0.08197	2.59148	5	X
K08F61P	17.6	0.15	K2175	39.531	48.617	158.513	13.286	0.20792	2.62226	6	X
K08F71D	15.7	0.15	K2175	338.988	176.604	105.184	13.303	0.07475	3.37521	10	X
K08FA8M	18.1	0.15	K2175	60.126	105.852	58.422	3.074	0.14058	2.62787	5	X
K08FC1K	17.5	0.15	K2175	176.039	356.514	81.482	6.532	0.27211	2.55278	8	X
K08FC1Q	17.8	0.15	K2175	330.852	127.716	146.528	7.610	0.26031	2.65924	3	X
K08FE8D	19.3	0.15	K2175	345.381	193.537	55.204	8.438	0.17701	2.20175	2	X
K08G09D	14.8	0.15	K2175	326.927	206.162	86.551	6.720	0.19151	5.09687	5	X
K08G18U	16.7	0.15	K2175	329.121	238.460	54.112	14.060	0.14106	2.62491	10	X
K08G36T	17.9	0.15	K2175	24.483	32.214	192.765	14.063	0.21705	2.63900	5	X
K08G77B	17.6	0.15	K2175	334.866	174.666	85.439	7.037	0.23330	2.68141	3	X
K08G80H	14.6	0.15	K2175	321.733	203.228	99.008	8.425	0.14219	5.13658	7	X
K08GA7A	17.8	0.15	K2175	0.799	183.396	54.694	8.870	0.12979	2.63382	4	X
K08GB4K	16.8	0.15	K2175	347.293	234.901	36.932	16.345	0.20474	2.62722	8	X
K08GD7O	18.6	0.15	K2175	63.526	90.758	93.007	4.739	0.07716	2.18172	6	X
K08GF2B	17.5	0.15	K2175	243.493	233.311	152.941	15.959	0.08504	2.60751	8	X
K08GF2O	14.0	0.15	K2175	261.545	290.620	73.599	11.786	0.10308	5.24324	9	X
K08GF6B	17.3	0.15	K2175	6.188	141.820	110.880	12.437	0.14499	2.62932	6	X
K08GG7P	17.8	0.15	K2175	323.452	250.965	66.402	2.970	0.20757	2.62109	9	X
K08GH2W	18.2	0.15	K2175	340.768	217.777	55.591	4.063	0.13954	2.64164	5	X
K08GH3E	19.3	0.15	K2175	61.403	343.962	203.328	5.404	0.07323	2.16869	3	X

K08H23Y	17.9	0.15	K2175	14.349	150.717	86.561	14.382	0.12142	2.63737	6 X
K08H28Y	18.1	0.15	K2175	31.566	30.003	188.867	3.810	0.13644	2.61814	5 X
K08H78L	17.8	0.15	K2175	320.051	246.216	52.123	10.028	0.13284	2.64050	6 X
K08H78N	17.7	0.15	K2175	162.197	240.781	198.707	20.811	0.06136	2.63703	9 X
K08J09T	17.0	0.15	K2175	18.726	141.631	55.523	14.213	0.19865	2.68327	5 X
K08J26X	19.1	0.15	K2175	31.943	11.708	209.836	2.866	0.13443	2.18451	5 X
K08J35X	17.8	0.15	K2175	333.510	133.806	131.414	2.189	0.23299	2.68931	5 X
K08J50W	14.3	0.15	K2175	352.875	192.241	73.481	26.694	0.08427	5.27436	6 X
K08J51Y	18.0	0.15	K2175	15.648	28.097	171.497	2.252	0.24400	2.68919	4 X
K08J52U	19.2	0.15	K2175	22.820	32.670	198.760	5.886	0.16308	2.19070	4 X
K08J52X	18.3	0.15	K2175	41.476	304.356	238.899	10.324	0.23751	2.66615	4 X
K08K25C	17.2	0.15	K2175	35.433	115.126	78.040	15.320	0.22320	2.66045	5 X
K08K46S	19.3	0.15	K2175	310.382	90.199	230.585	20.551	0.06673	1.88774	5 X
K08Q00L	17.1	0.15	K2175	297.574	323.188	354.642	9.163	0.24455	2.74727	7 X
K08Q39N	17.7	0.15	K2175	330.686	81.169	209.096	1.834	0.24583	2.76078	6 X
K08Q48A	17.5	0.15	K2175	298.164	191.191	166.657	18.643	0.29705	2.73252	4 X
K08RG6T	18.3	0.15	K2175	121.971	72.387	53.545	3.670	0.04291	2.29984	6 X
K08RH7H	17.9	0.15	K2175	292.097	164.884	168.088	16.232	0.08533	2.75961	4 X
K08S13E	17.4	0.15	K2175	235.534	147.539	220.951	3.392	0.11842	2.80097	8 X
K08S82S	16.6	0.15	K2175	232.216	228.089	169.177	13.459	0.15880	2.80389	11 X
K08SF2H	18.1	0.15	K2175	255.273	124.381	246.627	3.730	0.20419	2.27406	8 X
K08SN4P	18.4	0.15	K2175	161.339	255.698	167.667	5.640	0.21679	2.34561	8 X
K08SR2Q	18.9	0.15	K2175	237.147	327.943	46.817	6.494	0.17505	2.31593	4 X
K08SS6Y	16.8	0.15	K2175	289.815	333.797	356.710	11.468	0.28107	2.78897	7 X
K08SV0L	16.5	0.15	K2175	232.369	114.548	246.712	9.894	0.12154	2.88821	10 X
K08SV3U	18.8	0.15	K2175	195.007	203.121	200.231	1.855	0.20914	2.34817	6 X
K08SW1M	16.8	0.15	K2175	298.908	283.840	26.910	26.479	0.31521	2.76917	5 X
K08SW2C	18.7	0.15	K2175	32.245	42.943	187.819	20.957	0.04159	1.94553	6 X
K08SY3H	18.5	0.15	K2175	300.653	206.482	116.549	3.317	0.18014	2.26716	4 X
K08SY4N	18.1	0.15	K2175	286.107	113.761	220.557	3.039	0.20880	2.77583	6 X
K08SY5Z	17.4	0.15	K2175	191.260	175.758	242.740	0.969	0.05077	2.86558	10 X
K08SY7A	18.1	0.15	K2175	167.357	262.296	164.471	7.778	0.08140	2.33165	7 X
K08SY8X	18.7	0.15	K2175	296.426	99.225	226.152	5.607	0.16250	2.27337	4 X
K08T23N	17.6	0.15	K2175	143.051	270.207	195.406	14.555	0.11346	2.86526	6 X
K08T47F	17.1	0.15	K2175	95.357	32.392	66.008	8.734	0.19350	3.05397	6 X
K08T68T	17.3	0.15	K2175	215.182	210.779	201.130	14.929	0.13266	2.85408	9 X
K08T75U	18.9	0.15	K2175	306.829	274.373	67.315	0.803	0.23408	2.25337	4 X
K08TA2W	18.9	0.15	K2175	231.326	343.025	35.524	1.781	0.19440	2.30431	5 X
K08TA8B	18.8	0.15	K2175	325.263	258.543	51.213	6.210	0.19252	2.25194	6 X
K08TG5K	18.0	0.15	K2175	185.229	359.139	47.603	9.571	0.17333	2.94103	3 X
K08TK4J	18.6	0.15	K2175	324.975	107.386	199.970	21.856	0.04638	1.94508	8 X
K08TM6Z	17.3	0.15	K2175	100.849	154.962	304.717	8.885	0.05076	2.97256	6 X
K08TM7Q	18.6	0.15	K2175	299.118	177.097	156.763	4.037	0.14960	2.27455	8 X
K08UD9O	17.4	0.15	K2175	91.159	68.066	48.091	9.292	0.23825	3.04967	4 X
K08UF5T	18.9	0.15	K2175	333.568	254.039	48.564	5.307	0.24501	2.25510	6 X
K08UG5G	17.2	0.15	K2175	152.795	70.198	334.386	2.578	0.06362	2.99222	8 V
K08UK8Z	18.5	0.15	K2175	302.363	64.524	257.997	1.386	0.20905	2.27865	7 X
K08UQ8T	17.5	0.15	K2175	228.896	209.242	184.631	1.961	0.07431	2.86547	8 X
K08UY9X	17.5	0.15	K2175	300.702	205.952	89.175	7.733	0.16094	2.34836	8 X
K08Ua8J	18.8	0.15	K2175	152.432	2.414	73.592	2.550	0.14358	2.36905	6 X
K08Ub9S	17.3	0.15	K2175	31.527	341.003	236.115	22.549	0.15119	2.32276	8 X
K08Ud0L	17.5	0.15	K2175	264.847	267.373	103.266	12.948	0.19616	2.33395	7 X
K08Ud3V	17.2	0.15	K2175	264.569	192.202	159.787	12.641	0.12440	2.83453	7 X
K08Uf2K	17.7	0.15	K2175	305.446	108.176	224.589	8.861	0.28078	2.78294	4 X
K08Uf3F	17.1	0.15	K2175	143.644	112.834	273.167	8.522	0.11540	3.08359	6 X
K08Uf3G	17.4	0.15	K2175	310.770	241.688	49.175	13.174	0.05805	2.90960	5 X
K08V19G	17.0	0.15	K2175	69.706	72.034	59.331	11.472	0.12841	3.03842	5 X
K08V62X	17.6	0.15	K2175	201.972	335.094	58.658	6.638	0.06313	2.92555	8 X
K08W12Q	18.2	0.15	K2175	351.236	56.143	246.772	18.361	0.06185	1.94894	7 X
K08W20G	16.8	0.15	K2175	137.085	221.921	243.712	9.242	0.02161	2.93909	9 X
K08W22E	17.9	0.15	K2175	189.512	354.896	47.862	7.425	0.22487	2.91827	4 X
K08W38Q	18.8	0.15	K2175	87.180	69.401	68.408	3.032	0.15047	2.39070	6 X
K08WA3R	19.7	0.15	K2175	42.580	132.560	222.366	4.229	0.32602	2.58775	2 V
K08WE3N	16.9	0.15	K2175	225.864	110.069	255.935	9.620	0.10716	2.95556	6 X
K08WE4O	17.8	0.15	K2175	287.961	257.159	95.474	8.237	0.19800	2.30594	9 X
K08WE6C	18.2	0.15	K2175	6.049	15.755	233.390	5.479	0.05016	2.33405	7 X
K08WE6J	17.6	0.15	K2175	214.603	194.258	212.867	1.380	0.06883	2.86598	7 X
K08WF1G	17.5	0.15	K2175	222.108	159.429	221.119	2.945	0.15855	2.92830	5 X
K08WF9L	17.6	0.15	K2175	177.926	339.928	75.308	11.052	0.10178	2.97614	6 X
K08X68B	17.3	0.15	K2175	52.670	309.468	215.345	5.265	0.13123	3.13538	7 X
K08Y56Y	18.7	0.15	K2175	197.415	342.084	82.241	5.309	0.20283	2.34848	6 X
K08Y61J	18.3	0.15	K2175	194.590	320.232	102.277	25.162	0.09402	1.99698	7 X
K08Y64R	16.3	0.15	K2175	213.786	91.468	286.290	7.739	0.10376	3.06164	10 X
K08Y68R	17.5	0.15	K2175	67.172	241.973	240.853	15.195	0.18526	3.12350	4 X
K08YA8C	17.1	0.15	K2175	101.977	359.743	118.242	16.502	0.26340	3.10995	4 X
K08YC6U	18.5	0.15	K2175	98.527	37.526	98.720	4.692	0.14877	2.41938	7 X
K08YD1R	17.6	0.15	K2175	115.890	8.720	91.027	6.686	0.13114	3.08864	5 X
K08YE2O	18.3	0.15	K2175	99.309	45.835	97.824	1.729	0.15427	2.40944	8 X
K08YG2U	17.1	0.15	K2175	52.685	357.530	200.436	2.095	0.07882	3.03682	8 X
K08YG4C	16.3	0.15	K2175	343.352	267.958	332.973	8.873	0.04761	3.08769	7 X
K08YH6V	16.1	0.15	K2175	347.208	164.146	97.019	10.596	0.20230	3.10160	7 X
K08YI6E	16.7	0.15	K2175	79.635	214.701	279.339	6.660	0.10287	3.08210	7 X
K08YI9N	17.0	0.15	K2175	205.655	285.163	125.810	11.856	0.13161	2.99257	7 X
K08YJ2C	16.7	0.15	K2175	195.315	267.726	106.439	11.643	0.06716	3.09061	7 X
K09A14E	16.8	0.15	K2175	28.204	279.738	266.367	6.521	0.20640	3.16200	4 X
K09A48G	18.7	0.15	K2175	177.271	269.500	170.412	1.103	0.14898	2.36956	7 X
K09A56E	16.9	0.15	K2175	184.789	297.810	113.233	10.892	0.12576	3.06463	9 X
K09A62U	16.6	0.15	K2175	4.113	147.353	103.322	23.699	0.09218	3.03903	5 V
K09B04G	15.6	0.15	K2175	117.226	161.871	281.103	16.063	0.15117	3.13277	13 X
K09B38W	17.2	0.15	K2175	100.037	71.165	72.987	1.940	0.12129	3.08852	7 X
K09B41Q	17.0	0.15	K2175	351.192	199.343	68.806	3.611	0.07747	3.07397	9 X
K09BB9N	16.8	0.15	K2175	65.117	36.718	127.450	17.865	0.19045	3.12484	6 X
K09BE1K	17.1	0.15	K2175	178.946	79.584	327.893	9.941	0.06631	3.10763	6 V

K09BH8E	17.0	0.15	K2175	35.150	161.182	47.157	1.432	0.10433	3.15865	7	X
K09BJ3R	15.9	0.15	K2175	275.901	7.735	313.147	17.180	0.18692	3.12055	9	X
K09BJ9J	17.1	0.15	K2175	136.374	32.277	80.648	5.965	0.08623	3.07399	8	X
K09BK5C	16.7	0.15	K2175	64.432	208.227	308.692	8.228	0.07230	3.10075	8	X
K09BL2J	18.8	0.15	K2175	67.468	293.094	229.467	1.944	0.15187	2.45518	6	X
K09C43Q	17.2	0.15	K2175	77.920	354.493	157.131	11.211	0.18576	3.16881	4	X
K09C50N	16.6	0.15	K2175	98.009	355.434	143.849	18.183	0.16249	3.11374	6	X
K09C59T	16.6	0.15	K2175	112.752	315.717	166.963	17.812	0.22155	3.13816	6	X
K09C75C	17.6	0.15	K2175	12.256	58.108	160.219	2.841	0.17445	3.15916	4	X
K09D44A	16.6	0.15	K2175	43.206	216.059	327.674	8.439	0.02894	3.16143	8	X
K09DA3Q	16.7	0.15	K2175	6.346	283.139	328.923	0.262	0.10802	3.16115	13	X
K09DD4F	17.0	0.15	K2175	46.972	17.040	181.827	17.387	0.14106	3.17714	6	X
K09DE9X	17.8	0.15	K2175	44.843	61.799	107.126	3.217	0.24507	3.21264	3	X
K09DF2W	16.9	0.15	K2175	114.398	329.721	170.202	16.974	0.06625	3.14713	4	X
K09DF7P	17.5	0.15	K2175	65.447	27.880	146.069	11.275	0.15508	3.14654	4	X
K09E33G	17.9	0.15	K2175	312.843	231.821	51.817	7.592	0.14411	2.48530	6	X
K09F28F	16.4	0.15	K2175	72.531	33.397	136.739	17.480	0.12866	3.16571	10	X
K09F53A	16.7	0.15	K2175	138.501	290.028	179.559	16.099	0.20665	3.07646	6	X
K09F54P	17.6	0.15	K2175	327.094	152.757	146.290	6.606	0.12703	2.46808	10	X
K09F74Q	16.9	0.15	K2175	49.758	34.930	155.596	15.277	0.20992	3.18247	6	X
K09F84W	16.9	0.15	K2175	13.566	74.126	169.676	15.089	0.15619	3.19866	6	X
K09G03Z	17.2	0.15	K2175	33.181	150.069	52.860	9.689	0.18755	2.52516	8	X
K09H33D	18.6	0.15	K2175	34.462	160.627	5.924	1.917	0.12165	2.54817	4	V
K09HC0C	17.2	0.15	K2175	2.888	177.582	78.660	3.208	0.07025	3.21479	6	X
K09HC2P	14.3	0.15	K2175	308.008	106.099	206.780	29.605	0.08147	5.21832	7	X
K09HC5O	13.9	0.15	K2175	334.690	127.277	158.432	20.457	0.15520	5.28625	8	X
K09J23G	14.3	0.15	K2175	342.259	120.194	154.147	19.057	0.10873	5.21337	9	X
K09K34A	18.3	0.15	K2175	308.766	32.240	276.454	2.730	0.33568	2.56659	5	X
K09K42Z	14.3	0.15	K2175	262.936	192.378	166.890	27.147	0.03553	5.15270	9	X
K09K43R	14.7	0.15	K2175	337.472	93.728	189.090	21.704	0.12295	5.13022	5	X
K09L05S	14.0	0.15	K2175	333.751	108.200	185.498	29.558	0.06813	5.20137	10	X
K09L06R	17.2	0.15	K2175	320.519	87.762	219.261	24.977	0.27136	2.54762	6	X
K09M07B	16.6	0.15	K2175	11.149	72.657	234.663	25.134	0.27039	3.18246	6	X
K09Q21X	17.5	0.15	K2175	346.243	138.368	144.510	13.316	0.25811	2.57389	6	X
K09Q50C	17.2	0.15	K2175	264.702	172.104	174.284	4.696	0.12510	2.70360	11	X
K09Q69B	18.6	0.15	K2175	316.178	162.907	162.251	0.961	0.21414	2.59677	4	X
K09Q78R	17.6	0.15	K2175	287.333	214.923	108.653	3.415	0.22642	2.63064	5	X
K09R80E	17.6	0.15	K2175	291.729	331.179	357.088	3.748	0.11337	2.66650	9	X
K09S06Y	17.3	0.15	K2175	252.356	60.187	282.479	5.819	0.05031	2.68682	8	X
K09S10Q	17.7	0.15	K2175	267.633	223.011	118.859	2.789	0.09811	2.68908	8	X
K09S72N	18.2	0.15	K2175	259.586	139.253	202.254	1.359	0.04422	2.68933	4	X
K09S73T	17.2	0.15	K2175	95.578	120.590	349.907	8.877	0.16476	2.79849	6	X
K09SH8G	17.2	0.15	K2175	344.832	106.431	214.239	8.677	0.13959	2.54914	11	X
K09SI1H	19.2	0.15	K2175	259.861	28.708	335.069	1.479	0.13034	2.15290	6	X
K09SJ7G	17.3	0.15	K2175	108.946	253.979	226.138	7.924	0.07027	2.75518	6	X
K09SQ8K	17.9	0.15	K2175	199.630	180.298	223.500	1.942	0.07845	2.71181	10	X
K09Sd8B	17.2	0.15	K2175	175.408	27.062	41.697	8.244	0.04013	2.73094	9	X
K09Sf4X	18.0	0.15	K2175	279.401	144.422	184.572	13.744	0.05106	2.70509	6	X
K09T11N	17.1	0.15	K2175	199.820	354.091	44.076	9.089	0.15365	2.74629	5	X
K09T50U	17.1	0.15	K2175	11.397	215.895	22.348	7.676	0.29794	2.66567	7	X
K09T51S	17.7	0.15	K2175	302.783	286.541	33.873	6.848	0.23676	2.65573	4	X
K09U18F	18.8	0.15	K2175	147.554	217.995	250.006	3.869	0.09701	2.20009	8	X
K09UF9Y	18.6	0.15	K2175	79.322	285.626	226.104	2.585	0.06610	2.23367	8	X
K09UI5F	18.1	0.15	K2175	225.673	305.073	72.520	2.431	0.08392	2.75251	5	X
K09V10K	18.1	0.15	K2175	215.849	321.051	44.390	4.978	0.08504	2.78126	4	X
K09VA7X	16.6	0.15	K2175	149.290	29.932	46.473	13.670	0.15087	2.80360	9	X
K09VC0B	17.2	0.15	K2175	341.580	237.359	47.648	4.532	0.23617	2.65490	10	X
K09VC1G	17.0	0.15	K2175	32.473	323.083	239.430	15.273	0.21877	2.78840	4	X
K09W63U	18.2	0.15	K2175	253.419	140.638	220.151	11.375	0.23025	2.71617	3	X
K09W82F	17.1	0.15	K2175	263.456	68.080	267.912	10.707	0.14459	2.74950	6	X
K09W90O	17.2	0.15	K2175	147.978	72.045	22.770	4.494	0.02273	2.80833	9	X
K09WF0K	18.0	0.15	K2175	27.946	51.031	142.437	4.271	0.05266	2.24866	9	X
K09WG2U	17.2	0.15	K2175	240.608	309.592	61.927	7.714	0.07044	2.75962	8	X
K09WI7L	17.1	0.15	K2175	95.277	271.948	248.135	7.548	0.04088	2.75616	9	X
K09WK8W	17.2	0.15	K2175	246.409	117.990	251.333	11.291	0.15106	2.74022	7	X
K09WM7M	18.1	0.15	K2175	70.514	104.064	65.344	8.960	0.13489	2.23523	9	X
K09WP6D	17.0	0.15	K2175	276.773	302.264	46.210	8.792	0.26959	2.68625	7	X
K09WR7S	19.2	0.15	K2175	146.583	21.821	81.915	4.247	0.13971	2.21098	4	X
K09WS6Y	17.3	0.15	K2175	144.887	61.116	34.388	4.476	0.06899	2.78291	7	X
K09WT4K	17.2	0.15	K2175	289.298	256.158	86.564	13.011	0.19505	2.69943	5	X
K09X10R	19.4	0.15	K2175	251.317	301.023	84.343	4.837	0.18302	2.17912	4	X
K09Y00Z	17.2	0.15	K2175	113.613	80.730	53.390	4.312	0.04678	2.78439	9	X
K09Y27V	19.3	0.15	K2175	106.206	33.221	111.660	23.526	0.07885	1.90472	5	X
K10A61S	18.8	0.15	K2175	206.853	311.205	109.870	24.683	0.16985	1.87752	5	X
K10AB5H	16.8	0.15	K2175	349.366	14.259	250.424	8.783	0.09313	3.02963	10	X
K10AC3Q	17.4	0.15	K2175	197.395	231.941	169.207	8.719	0.22754	2.74116	5	X
K10AF2T	17.1	0.15	K2175	346.851	152.955	93.838	11.815	0.11627	3.09115	4	X
K10AG2J	16.9	0.15	K2175	25.317	119.202	64.061	5.958	0.21743	3.01608	5	X
K10B38P	16.4	0.15	K2175	91.331	349.083	124.166	29.025	0.11614	3.12137	6	V
K10B60A	18.0	0.15	K2175	16.061	124.141	74.358	27.226	0.35700	3.12831	3	V
K10B67F	17.2	0.15	K2175	349.723	117.287	125.311	24.124	0.18316	3.12331	4	V
K10B74Y	17.0	0.00	K2175	354.486	160.811	102.479	10.804	0.10334	3.04689	7	X
K10B87L	16.2	0.15	K2175	302.092	143.568	179.513	9.134	0.06432	3.02724	14	X
K10BA3K	17.3	0.15	K2175	249.385	227.941	90.612	19.271	0.35358	2.74342	4	V
K10BA5C	16.6	0.15	K2175	36.197	130.376	33.156	27.603	0.15434	3.16175	5	V
K10BD5J	17.4	0.15	K2175	63.244	43.520	135.094	17.332	0.08708	3.04390	4	X
K10BE9M	16.9	0.15	K2175	6.178	228.169	346.136	22.330	0.19081	3.14882	5	X
K10C12R	16.6	0.15	K2175	355.804	50.767	215.780	13.870	0.27838	3.09330	6	X
K10C60Y	19.0	0.15	K2175	114.977	331.691	136.556	0.297	0.16910	2.29333	7	X
K10CC5N	18.4	0.15	K2175	44.217	55.807	147.332	4.279	0.13208	2.32864	7	X
K10CH2D	18.1	0.15	K2175	194.293	270.163	138.491	7.149	0.08145	2.30190	6	X
K10CI1A	18.6	0.15	K2175	56.146	256.895	273.361	0.335	0.12587	2.33585	7	X
K10CL3Q	17.2	0.15	K2175	16.785	228.116	173.147	27.717	0.20811	3.21437	3	V

K10CL8E	16.7	0.15	K2175	17.652	3.121	230.287	23.427	0.17395	3.08053	5	X
K10CN1S	17.2	0.15	K2175	10.642	251.753	142.259	26.594	0.24051	3.22828	3	V
K10CR0N	18.8	0.15	K2175	35.907	328.345	237.843	6.206	0.14679	2.30872	8	X
K10D02D	17.3	0.15	K2175	40.258	142.347	344.362	19.778	0.51788	3.07537	2	X
K10D05Q	18.6	0.15	K2175	75.609	172.005	350.515	1.939	0.11330	2.30239	6	X
K10D80T	17.6	0.15	K2175	77.507	165.826	310.203	12.459	0.28634	2.30981	5	X
K10DA2U	17.6	0.15	K2175	358.384	89.140	18.688	17.003	0.26451	3.16864	3	V
K10DB0V	18.7	0.15	K2175	103.592	328.888	170.794	10.471	0.13081	2.30263	6	X
K10EA1D	18.7	0.15	K2175	53.611	61.670	112.379	1.251	0.13697	2.34671	4	X
K10EC2B	17.0	0.15	K2175	63.095	270.929	253.644	4.524	0.20707	3.03381	7	X
K10EG0H	17.0	0.15	K2175	22.294	46.767	93.570	29.366	0.16317	3.06277	3	V
K10EI8Q	19.0	0.15	K2175	62.465	349.910	176.018	4.019	0.13337	2.33740	4	X
K10F07B	15.6	0.15	K2175	322.784	144.326	60.799	19.614	0.09634	3.21620	9	X
K10F19Y	19.0	0.15	K2175	5.232	107.363	142.750	5.298	0.14896	2.33310	3	X
K10FE4R	18.3	0.15	K2175	357.963	179.583	77.941	2.434	0.16025	2.33759	7	X
K10FE4W	17.4	0.15	K2175	8.715	33.104	175.119	11.271	0.05692	3.12034	5	X
K10FE5E	18.1	0.15	K2175	32.751	8.948	200.904	19.854	0.25468	3.05267	3	X
K10G07O	17.7	0.15	K2175	64.979	28.418	133.478	1.462	0.18129	3.05729	4	X
K10G13J	16.6	0.15	K2175	318.226	90.757	3.370	11.861	0.05805	3.37995	6	V
K10G21Z	16.7	0.15	K2175	63.781	185.134	273.743	29.744	0.16126	3.05893	4	V
K10G26W	16.7	0.15	K2175	35.274	115.101	52.430	17.270	0.18720	3.14579	4	X
K10G29M	16.8	0.15	K2175	358.802	178.935	42.479	17.401	0.13359	3.13078	3	X
K10G38Y	17.3	0.15	K2175	41.700	126.861	28.242	13.622	0.11433	3.00199	3	V
K10G48M	16.7	0.15	K2175	327.831	70.849	206.919	11.078	0.16346	3.22184	8	X
K10G67K	17.4	0.15	K2175	347.264	67.019	210.785	22.859	0.22219	2.35292	7	X
K10GA0D	16.7	0.15	K2175	42.325	139.566	69.017	5.177	0.11628	3.04970	11	X
K10GD8O	16.8	0.15	K2175	25.029	336.528	229.334	5.710	0.08884	3.06996	13	X
K10GK1V	18.7	0.15	K2175	77.547	346.364	170.846	4.554	0.19627	2.36034	3	X
K10GK9N	16.5	0.15	K2175	325.775	211.794	52.025	17.948	0.15815	3.13849	5	X
K10GK9Q	16.9	0.15	K2175	267.085	255.986	92.704	10.016	0.04315	3.04613	7	X
K10H56P	16.1	0.15	K2175	322.752	118.879	184.457	18.352	0.14248	3.21345	10	X
K10H80O	17.0	0.15	K2175	20.435	47.713	136.548	28.365	0.42350	3.13830	3	X
K10H89T	16.6	0.15	K2175	328.582	358.553	234.373	7.664	0.11235	3.05302	8	V
K10J33J	18.4	0.15	K2175	66.743	283.747	228.028	10.568	0.18951	2.38397	6	X
K10J34Y	17.7	0.15	K2175	46.566	335.412	205.467	18.419	0.11715	3.07376	3	X
K10J41X	14.0	0.15	K2175	322.278	120.954	187.507	27.379	0.03844	5.30996	8	X
K10J63X	17.4	0.15	K2175	11.228	215.080	296.747	9.171	0.18338	3.14492	3	V
K10J95B	16.5	0.15	K2175	85.544	197.257	274.345	17.239	0.14134	3.03003	7	X
K10JE6A	16.1	0.15	K2175	258.050	42.559	287.174	8.589	0.05674	3.39851	10	X
K10JL1A	16.8	0.15	K2175	43.227	291.092	269.484	22.060	0.21052	2.34793	9	X
K10K07H	17.1	0.00	K2175	40.873	22.812	182.962	15.721	0.17461	2.97341	4	X
K10K67D	16.9	0.15	K2175	304.563	77.640	167.675	7.706	0.14873	3.14855	6	V
K10K82F	16.5	0.15	K2175	63.856	107.990	23.139	16.278	0.03250	3.08124	8	V
K10KB3X	16.3	0.15	K2175	74.345	96.533	41.262	13.686	0.00777	3.04984	10	X
K10KD0J	16.9	0.15	K2175	311.031	74.015	245.120	2.287	0.13865	3.06101	10	X
K10L40M	17.9	0.15	K2175	51.561	324.713	230.827	3.788	0.15484	2.32265	9	X
K10L70K	17.3	0.15	K2175	26.157	232.454	299.271	14.772	0.24152	3.10558	4	V
K10LC7D	17.2	0.15	K2175	353.491	143.469	84.829	9.319	0.12440	3.08689	4	V
K10LF7O	18.1	0.15	K2175	91.764	268.485	225.592	4.079	0.16669	3.01393	3	X
K10MA8F	16.7	0.15	K2175	33.119	230.885	313.944	14.891	0.08272	3.09737	7	X
K10MB0P	17.1	0.15	K2175	327.858	261.529	350.504	20.604	0.30037	3.16966	3	V
K10MC7T	16.4	0.15	K2175	266.594	237.152	120.347	12.061	0.11680	3.38279	6	X
K10N39V	16.9	0.15	K2175	343.009	148.974	232.458	15.274	0.12373	3.10198	4	V
K10O00S	16.0	0.15	K2175	76.969	133.321	353.364	27.868	0.13687	3.15398	5	X
K10O39W	16.6	0.15	K2175	357.329	270.276	340.148	12.264	0.16536	2.53249	10	X
K10O60D	16.6	0.15	K2175	289.967	125.769	158.048	26.875	0.18043	3.22004	6	V
K10O93W	16.7	0.15	K2175	6.297	4.689	240.737	15.186	0.12701	3.07594	6	X
K10OB7E	16.3	0.15	K2175	352.325	105.047	233.999	23.603	0.33911	3.16677	4	X
K10OE3K	19.2	0.15	K2175	0.422	279.599	303.933	4.083	0.18413	2.39255	3	V
K10P02R	16.4	0.15	K2175	26.444	346.044	244.597	29.163	0.05838	2.54314	7	X
K10P29B	16.1	0.15	K2175	351.933	52.245	296.682	16.853	0.12978	3.20093	8	V
K10P86S	17.4	0.15	K2175	140.532	4.630	106.127	28.780	0.04249	2.57389	3	X
K10R23C	19.3	0.15	K2175	338.783	99.143	195.558	13.450	0.23089	2.43029	2	X
K10R52M	18.2	0.15	K2175	309.755	247.600	83.122	3.173	0.20452	2.43700	5	X
K10RE7X	18.1	0.15	K2175	358.728	116.651	200.603	24.420	0.47200	3.14104	3	X
K10T37J	16.7	0.15	K2175	335.004	121.885	232.392	14.976	0.33389	3.15708	4	X
K10U50H	13.6	0.15	K2175	273.694	66.902	49.685	32.512	0.04543	5.22734	8	V
K10V52M	17.1	0.15	K2175	46.573	113.965	219.520	10.356	0.08293	3.10956	5	V
K10V75N	17.6	0.15	K2175	216.153	308.979	73.020	10.123	0.16951	2.58986	6	X
K10V91E	18.0	0.15	K2175	155.771	25.138	47.337	5.511	0.14261	2.65974	6	X
K10VK7G	16.3	0.15	K2175	354.200	257.616	4.222	15.780	0.13844	2.52895	8	X
K10VP2J	18.3	0.15	K2175	111.289	254.122	237.415	2.287	0.15672	2.66884	7	X
K10X11J	23.9	0.15	K2175	344.219	88.023	264.592	2.229	0.61725	1.94393	2	X
K11A68A	18.5	0.15	K2175	40.838	285.257	283.874	4.212	0.02109	2.13024	6	X
K11B77G	16.6	0.15	K2175	331.597	156.831	217.262	30.711	0.33174	3.13621	6	X
K11B88J	16.8	0.15	K2175	307.428	192.340	322.424	7.130	0.11161	3.09228	4	V
K11BI4B	17.5	0.15	K2175	238.558	258.734	129.120	12.988	0.11106	2.67118	5	X
K11BJ3W	18.9	0.15	K2175	80.591	209.973	310.339	1.071	0.08359	2.16148	7	X
K11C87L	17.7	0.15	K2175	129.553	261.575	183.748	9.695	0.24351	2.77369	7	X
K11CD9L	18.7	0.15	K2175	38.278	128.096	70.727	2.813	0.10449	2.77306	4	X
K11CD9M	17.9	0.15	K2175	109.778	343.808	124.238	3.170	0.04252	2.79923	6	X
K11D29U	19.4	0.15	K2175	29.239	55.878	169.075	2.949	0.14638	2.16796	4	X
K11E01X	18.0	0.15	K2175	228.034	228.029	148.586	5.792	0.02099	2.74341	4	X
K11E09S	18.7	0.15	K2175	23.673	358.114	236.071	0.903	0.14040	2.18637	7	X
K11E20K	16.2	0.15	K2175	349.633	211.463	66.147	14.708	0.17571	2.79518	12	X
K11E32Y	17.7	0.15	K2175	159.472	270.596	167.673	3.779	0.06784	2.77907	6	X
K11E62A	18.4	0.15	K2175	27.481	132.475	40.747	8.807	0.16147	2.23727	3	X
K11EA7P	17.9	0.15	K2175	280.369	203.307	140.211	5.715	0.06103	2.70107	6	X
K11F29R	21.6	0.15	K2175	288.810	175.928	215.288	3.620	0.34641	1.05732	3	X
K11F45T	18.6	0.15	K2175	347.310	200.019	53.413	6.288	0.15013	2.23393	5	X
K11F95H	17.7	0.15	K2175	326.437	25.092	242.212	1.226	0.06392	2.86894	5	X
K11FB6D	18.6	0.15	K2175	312.077	68.258	243.059	6.212	0.24130	2.20696	6	X
K11FC1G	17.5	0.15	K2175	103.607	259.678	219.045	1.301	0.02033	2.88008	4	V

K11G23Z	17.0	0.15	K2175	176.424	193.414	249.347	6.919	0.03884	2.80670	11	X
K11G32Z	17.3	0.15	K2175	170.097	207.243	239.803	4.412	0.05507	2.80090	9	X
K11GA4J	18.9	0.15	K2175	39.316	42.073	151.655	5.191	0.05027	2.22195	6	X
K11GA4O	17.1	0.15	K2175	252.344	246.572	112.776	13.585	0.12706	2.87634	8	X
K11GA4P	17.3	0.15	K2175	102.058	260.373	222.969	8.493	0.11220	2.88308	6	X
K11GA4Q	18.9	0.15	K2175	6.105	273.293	332.706	2.121	0.12903	2.22086	6	X
K11H50R	17.5	0.15	K2175	276.169	107.259	187.550	16.164	0.22671	3.06532	3	V
K11H69L	17.9	0.15	K2175	11.136	200.300	39.265	6.517	0.14463	2.21447	9	X
K11H98S	17.4	0.15	K2175	282.683	275.612	34.270	6.229	0.04007	2.91436	7	X
K11J34R	16.8	0.15	K2175	270.030	223.124	138.120	17.700	0.09211	2.91627	5	X
K11J38K	18.9	0.15	K2175	318.541	204.190	90.779	3.643	0.13983	2.24188	5	X
K11K55P	16.7	0.15	K2175	262.761	40.752	287.829	8.679	0.05879	3.01450	9	X
K11L33G	17.9	0.15	K2175	137.565	100.051	278.428	11.718	0.23046	2.41058	6	X
K11M15G	17.5	0.15	K2175	291.454	215.075	128.332	12.423	0.21839	3.01687	3	X
K11N02G	16.9	0.15	K2175	297.893	221.711	123.294	24.671	0.26928	3.00526	5	X
K11O03P	13.9	0.15	K2175	269.278	215.401	136.501	19.710	0.09028	5.19902	9	X
K11O11P	16.5	0.15	K2175	239.963	248.935	128.138	20.504	0.04196	3.05672	5	X
K11O24K	18.5	0.15	K2175	240.884	276.994	114.776	23.949	0.15277	1.87679	5	X
K11P11E	17.5	0.15	K2175	336.920	160.998	137.358	9.244	0.29565	2.27024	9	X
K11P16W	17.0	0.15	K2175	270.185	286.977	69.934	10.827	0.06733	3.07684	7	X
K11P18H	18.1	0.15	K2175	181.356	249.539	169.875	10.680	0.19305	2.36683	5	X
K11Q01Q	16.6	0.15	K2175	241.005	223.352	176.067	17.379	0.24579	3.12181	5	X
K11Q36T	17.0	0.15	K2175	260.439	224.683	155.708	17.036	0.22797	3.12121	4	X
K11Q46J	14.1	0.15	K2175	297.289	184.786	149.056	19.262	0.12026	5.26517	9	X
K11Q64M	17.2	0.15	K2175	281.264	104.708	219.209	8.321	0.11082	3.15460	5	X
K11Q68B	18.6	0.15	K2175	288.650	116.392	245.314	3.828	0.25386	2.29594	5	X
K11Q80U	16.8	0.15	K2175	299.956	89.971	245.096	8.582	0.19624	3.07514	6	X
K11QA3F	17.3	0.15	K2175	275.153	188.106	166.156	13.291	0.15434	3.12749	5	X
K11R06O	16.9	0.15	K2175	228.983	214.179	176.376	16.103	0.04766	3.16686	6	X
K11R32L	17.1	0.15	K2175	349.345	83.469	191.095	15.347	0.21099	3.08249	6	X
K11R33Z	17.4	0.15	K2175	318.142	105.715	195.060	8.903	0.10663	3.13277	3	X
K11S00O	17.1	0.15	K2175	277.848	183.202	177.599	20.267	0.24296	3.11044	4	X
K11S21Z	17.5	0.15	K2175	5.533	41.242	229.399	16.481	0.55854	2.95093	5	X
K11S55E	18.4	0.15	K2175	194.080	274.780	124.538	4.090	0.12859	2.42103	5	X
K11S60J	16.7	0.15	K2175	25.153	352.493	226.433	8.589	0.02356	3.16586	6	X
K11S70V	17.1	0.15	K2175	316.273	141.310	184.289	15.283	0.20320	3.07404	6	X
K11S83G	19.1	0.15	K2175	355.553	96.265	181.953	23.041	0.07437	1.88650	5	X
K11S88Y	18.0	0.15	K2175	182.592	195.817	216.324	5.263	0.21472	2.43042	6	X
K11SA1Z	16.9	0.15	K2175	291.337	249.635	57.652	2.290	0.05348	3.24579	7	X
K11SF0O	17.2	0.15	K2175	320.587	198.311	82.949	0.141	0.14514	3.20541	3	X
K11SI9F	18.6	0.15	K2175	262.053	200.420	146.314	3.726	0.14939	2.38574	6	X
K11SL0C	17.4	0.15	K2175	300.837	130.641	179.448	7.056	0.15742	3.16510	4	X
K11SL3X	17.2	0.15	K2175	328.061	159.003	150.854	14.627	0.25335	3.05212	4	X
K11SL4E	16.7	0.15	K2175	302.947	159.938	170.548	20.222	0.18960	3.10879	6	X
K11SN1S	17.3	0.15	K2175	276.845	155.757	190.301	16.836	0.21348	3.12347	3	X
K11SO9X	16.9	0.15	K2175	284.291	173.022	194.642	17.805	0.25587	3.10411	4	X
K11SP3B	16.0	0.15	K2175	318.282	136.845	181.183	17.191	0.14905	3.11780	10	X
K11ST7W	17.7	0.15	K2175	275.823	282.313	79.833	2.156	0.18451	3.14479	5	X
K11ST8X	17.1	0.15	K2175	323.791	207.258	92.076	1.523	0.06003	3.12209	6	X
K11SU5O	18.7	0.15	K2175	305.539	314.661	9.169	1.728	0.19160	2.32411	5	X
K11SV0P	18.5	0.15	K2175	356.541	240.576	21.690	6.079	0.25300	2.31409	5	X
K11SV5U	19.1	0.15	K2175	288.305	113.832	227.811	5.836	0.19488	2.33196	4	X
K11SW8U	16.9	0.15	K2175	316.227	277.665	13.729	15.700	0.22399	3.13693	5	X
K11SW9K	18.9	0.15	K2175	249.753	194.312	195.478	2.692	0.23135	2.36116	5	X
K11SX0H	18.6	0.15	K2175	326.409	103.170	190.768	0.853	0.09598	2.33196	6	X
K11T20O	16.6	0.15	K2175	294.264	79.230	249.277	8.007	0.07630	3.10493	6	X
K11U06P	19.0	0.15	K2175	162.878	234.571	220.361	20.689	0.06816	1.94140	4	X
K11U14D	16.6	0.15	K2175	314.490	90.273	226.425	18.893	0.38954	3.10231	4	X
K11U23Q	18.5	0.15	K2175	310.682	82.703	243.494	5.044	0.16919	2.33396	5	X
K11U51X	18.7	0.15	K2175	317.908	260.748	64.420	6.086	0.22491	2.32240	5	X
K11UC7D	19.4	0.15	K2175	331.643	263.704	41.875	8.314	0.34276	2.29230	4	X
K11UJ2L	17.3	0.15	K2175	290.473	118.072	227.487	4.339	0.16725	3.16461	6	X
K11UM7C	18.0	0.15	K2175	158.795	1.161	92.205	2.271	0.14734	2.41544	11	X
K11UP5R	19.8	0.15	K2175	339.550	98.349	221.785	21.273	0.32673	1.87111	3	X
K11UT5D	18.0	0.15	K2175	183.434	2.432	73.332	7.646	0.08609	2.42286	7	X
K11UU6C	18.4	0.15	K2175	221.540	309.373	88.362	3.412	0.18321	2.38637	6	X
K11UZ2O	18.6	0.15	K2175	322.413	163.362	161.919	5.825	0.26419	2.29195	4	X
K11Ua3U	18.5	0.15	K2175	236.484	312.484	62.134	2.477	0.19550	2.38740	4	X
K11Ug1M	16.8	0.15	K2175	296.137	204.484	127.116	6.525	0.19065	3.18040	6	X
K11Uh9B	18.0	0.15	K2175	344.283	167.634	156.242	8.811	0.25377	2.28493	5	X
K11Uj3U	18.8	0.15	K2175	78.771	308.343	179.896	6.230	0.24322	2.56864	4	X
K11Uk0L	19.2	0.15	K2175	284.000	160.270	177.171	1.088	0.19985	2.37678	4	X
K11Ul2D	19.8	0.15	K2175	6.657	32.466	226.914	21.541	0.03536	1.93308	3	X
K11Ul2F	18.6	0.15	K2175	316.293	248.570	73.127	6.182	0.18918	2.32728	3	X
K11V27A	19.3	0.15	K2175	224.800	328.181	78.136	3.325	0.21121	2.38596	5	X
K11V27Q	18.1	0.15	K2175	278.126	152.147	213.278	22.826	0.21748	2.34512	5	X
K12A27Y	18.6	0.15	K2175	164.527	204.940	217.550	3.805	0.25692	2.53548	5	X
K12B19K	17.8	0.15	K2175	81.521	87.110	68.617	7.774	0.19561	2.56743	5	X
K12B23Q	18.3	0.15	K2175	193.815	307.812	123.680	24.667	0.09727	1.96543	6	X
K12B58V	17.7	0.15	K2175	59.540	188.355	333.010	4.431	0.09260	2.59544	8	X
K12B67R	18.3	0.15	K2175	68.944	265.335	249.074	3.510	0.20839	2.60304	5	X
K12B77B	18.9	0.15	K2175	342.203	232.719	157.534	20.771	0.68853	2.20419	3	X
K12BA1N	18.5	0.15	K2175	130.576	348.334	129.515	17.343	0.05973	2.53814	4	X
K12BF7M	17.8	0.15	K2175	72.588	23.676	148.898	19.735	0.12279	2.59321	5	X
K12BG5A	17.8	0.15	K2175	38.050	66.612	145.812	16.318	0.14656	2.59995	4	X
K12BI2L	16.8	0.15	K2175	153.967	286.813	303.927	24.951	0.14340	3.16467	4	V
K12BI2M	16.9	0.15	K2175	256.061	190.012	328.405	16.935	0.19254	3.10832	3	V
K12C30C	18.0	0.15	K2175	124.405	28.901	85.164	12.824	0.14090	2.55026	4	X
K12C65R	17.3	0.15	K2175	1.757	160.760	93.706	15.720	0.04698	2.55177	5	X
K12D45T	18.4	0.15	K2175	77.821	2.360	161.242	14.163	0.17842	2.62831	3	X
K12DA4A	18.3	0.15	K2175	35.757	340.597	207.572	3.388	0.15890	2.68219	4	X
K12DB8J	17.8	0.15	K2175	39.678	59.834	159.554	14.798	0.03575	2.60594	5	X
K12DC5C	18.6	0.15	K2175	212.251	24.155	176.925	3.103	0.13246	2.31498	4	V

K12DC5D	17.9	0.15	K2175	3.592	214.341	341.384	13.892	0.13030	2.71232	3	V
K12DC5E	16.9	0.15	K2175	201.370	219.679	2.346	10.561	0.05852	3.16063	2	V
K12DC5F	18.3	0.15	K2175	194.011	188.972	305.418	4.069	0.18631	2.44029	8	V
K12DC5G	17.9	0.15	K2175	291.668	357.414	187.042	6.842	0.16709	2.98078	2	V
K12E29V	17.7	0.15	K2175	310.334	155.165	173.023	15.379	0.14326	2.54923	6	X
K12E30B	18.3	0.15	K2175	4.299	79.858	102.126	3.198	0.15883	2.76626	3	V
K12E30C	18.1	0.15	K2175	144.399	18.817	210.576	2.315	0.13934	2.41945	6	V
K12F02A	17.2	0.15	K2175	55.151	184.220	325.007	12.838	0.23084	2.67476	5	X
K12F53V	18.0	0.15	K2175	61.852	129.347	50.621	6.271	0.11877	2.64883	4	X
K12F88N	17.4	0.15	K2175	342.289	119.979	189.870	29.668	0.27642	2.63950	6	X
K12FA6N	17.8	0.15	K2175	351.576	203.963	43.250	3.757	0.05297	2.71434	8	X
K12FA7V	18.4	0.15	K2175	127.525	238.332	8.582	8.120	0.10804	2.39010	4	V
K12FA7W	17.8	0.15	K2175	284.217	92.983	105.111	5.103	0.15390	2.97713	2	V
K12FA7X	19.1	0.15	K2175	241.384	102.757	19.381	22.149	0.14043	1.90139	3	V
K12FA7Y	17.7	0.15	K2175	243.186	241.846	6.844	7.183	0.18740	2.97611	4	V
K12FA7Z	16.7	0.15	K2175	148.781	110.465	191.262	12.520	0.05058	3.14287	7	V
K12FA8A	18.0	0.15	K2175	14.991	192.458	64.987	3.445	0.11029	2.63689	4	V
K12FA8B	16.7	0.15	K2175	187.693	240.416	40.271	14.334	0.26144	3.17180	3	V
K12FA8C	16.5	0.15	K2175	263.499	314.622	195.111	24.467	0.22185	3.17649	4	V
K12G51E	17.7	0.15	K2175	44.082	124.029	83.252	12.587	0.13794	2.67938	4	V
K12G51F	18.0	0.15	K2175	37.930	347.706	223.881	2.003	0.11408	2.65219	4	V
K12G51G	19.2	0.15	K2175	116.473	22.021	225.678	18.882	0.06769	1.94218	2	V
K12G51H	18.9	0.15	K2175	259.396	176.632	41.653	4.534	0.11069	2.24127	3	V
K12HA7A	17.0	0.15	K2175	158.706	108.738	211.662	17.137	0.28120	3.17782	3	V
K12HA7B	18.4	0.15	K2175	7.038	51.976	194.569	5.533	0.11141	2.68731	2	V
K12HA7C	17.9	0.15	K2175	319.518	85.427	192.931	3.018	0.14437	2.74822	3	V
K12HA7D	17.7	0.15	K2175	347.371	304.156	215.373	9.813	0.12881	2.93211	3	V
K12HA7E	17.2	0.15	K2175	274.943	4.337	195.725	16.508	0.14445	3.11843	2	V
K12HA7F	17.7	0.15	K2175	279.751	183.656	133.885	0.841	0.04615	2.74211	3	V
K12HA7G	18.0	0.15	K2175	340.144	223.236	75.694	3.986	0.18033	2.65685	4	V
K12HA7H	17.4	0.15	K2175	275.062	189.626	138.114	5.967	0.15526	2.74040	8	V
K12HA7J	18.8	0.15	K2175	249.950	186.910	69.168	5.474	0.12866	2.22335	3	V
K12J14W	17.7	0.15	K2175	19.609	123.799	109.954	6.403	0.12025	2.68103	6	X
K12J33E	17.7	0.15	K2175	31.091	35.211	183.125	13.875	0.18949	2.71641	5	X
K12J51P	17.6	0.15	K2175	309.320	63.839	234.864	8.168	0.17707	2.75277	5	X
K12J55P	18.0	0.15	K2175	323.582	334.242	321.282	1.338	0.14520	2.71824	6	X
K12J67N	17.3	0.15	K2175	317.276	50.456	242.088	12.601	0.18715	2.77288	3	X
K12K12Y	16.8	0.15	K2175	283.057	123.823	219.355	33.967	0.31906	2.73609	4	X
K12K29B	18.5	0.15	K2175	185.589	110.964	177.653	3.306	0.24417	2.46804	4	V
K12K33L	16.5	0.15	K2175	280.580	144.969	183.604	6.568	0.15916	2.76809	13	X
K12K62X	19.2	0.15	K2175	225.871	227.790	63.200	8.539	0.15951	2.23262	2	V
K12K62Y	19.2	0.15	K2175	246.809	175.471	89.633	5.392	0.17148	2.23523	3	V
K12L07T	19.0	0.15	K2175	86.505	358.537	111.919	42.264	0.76035	1.07940	6	X
K12L32G	17.1	0.15	K2175	191.507	87.660	228.500	25.528	0.13550	3.09265	3	V
K12M05A	17.4	0.15	K2175	45.053	8.906	224.518	13.340	0.21894	2.65534	5	X
K12M09V	17.0	0.15	K2175	8.488	61.091	263.198	13.964	0.22530	2.66537	8	X
K12P52Q	18.2	0.15	K2175	304.442	92.878	217.107	5.511	0.17559	2.88396	4	X
K12P57M	17.9	0.15	K2175	52.054	17.917	267.556	13.461	0.24576	2.63262	2	V
K12P57N	19.3	0.15	K2175	303.778	93.149	205.106	3.135	0.22132	2.16241	5	V
K12P57O	19.2	0.15	K2175	251.681	179.161	175.215	6.715	0.17690	2.18426	2	V
K12P57P	19.4	0.15	K2175	201.078	136.442	186.037	3.033	0.18294	2.31036	4	V
K12P57Q	17.0	0.15	K2175	221.548	123.172	176.626	26.759	0.30151	3.19637	3	V
K12Q69R	17.1	0.15	K2175	31.311	305.065	347.647	24.898	0.09511	2.73313	5	V
K12Q69S	14.4	0.15	K2175	253.133	26.622	354.156	32.840	0.08432	5.19310	7	V
K12S54O	16.7	0.15	K2175	160.646	229.939	211.380	25.955	0.18899	3.19162	5	X
K12S58M	16.4	0.15	K2175	330.137	108.783	273.154	21.071	0.14781	2.72984	9	X
K12S75F	17.2	0.15	K2175	258.019	284.864	67.183	3.433	0.17094	2.98506	5	X
K12S92Y	17.2	0.15	K2175	19.940	317.886	20.868	17.320	0.24322	2.66064	4	V
K12S92Z	17.1	0.15	K2175	190.318	259.694	160.793	5.155	0.17934	3.08092	3	V
K12S93A	19.2	0.15	K2175	206.123	193.030	183.637	4.969	0.16563	2.25319	3	V
K12T13D	17.0	0.15	K2175	206.116	263.190	125.946	6.074	0.19378	3.09497	8	X
K12T24N	17.7	0.15	K2175	279.141	125.637	216.919	11.024	0.25137	2.94455	5	X
K12T32R	18.5	0.15	K2175	313.308	109.931	196.733	6.934	0.02868	2.20260	8	X
K12T52J	14.5	0.15	K2175	299.853	9.843	315.490	2.242	0.17454	5.17163	9	X
K12T83L	16.8	0.15	K2175	237.852	129.590	208.432	15.437	0.10123	3.15336	5	X
K12TG1Q	18.9	0.15	K2175	201.184	228.010	186.255	3.571	0.07389	2.21822	6	X
K12TN4P	17.7	0.15	K2175	220.909	322.362	86.462	5.283	0.24417	3.01053	6	X
K12TO1J	16.5	0.15	K2175	207.469	359.162	32.113	17.611	0.15932	3.13875	6	X
K12TQ3S	16.9	0.15	K2175	180.825	209.323	185.476	10.970	0.19080	3.19371	6	X
K12TW4H	15.0	0.15	K2175	308.090	104.544	208.826	29.717	0.08057	5.18082	6	X
K12TW4K	14.3	0.15	K2175	294.806	128.676	200.835	29.041	0.08392	5.25113	8	X
K12TX8X	19.6	0.15	K2175	331.050	174.530	138.299	5.667	0.27501	2.12452	3	X
K12TZ0M	17.1	0.15	K2175	72.654	111.247	69.306	10.738	0.04480	2.99432	6	X
K12TZ8M	16.4	0.15	K2175	237.307	68.822	283.121	15.540	0.10802	3.08400	4	X
K12U09M	17.1	0.15	K2175	237.454	286.949	92.059	3.195	0.10710	3.04095	3	X
K12U11X	17.4	0.15	K2175	154.491	85.232	31.048	7.409	0.22253	3.07471	2	V
K12U59P	16.5	0.15	K2175	194.011	170.316	240.484	9.870	0.07781	3.13912	6	X
K12U67K	16.5	0.15	K2175	204.261	324.024	68.981	17.629	0.22572	3.16608	4	X
K12UA2Q	16.8	0.15	K2175	275.274	213.141	136.852	1.716	0.06884	3.04201	13	X
K12UA3J	17.1	0.15	K2175	219.435	312.188	52.103	10.997	0.11338	3.18914	5	X
K12UH5K	16.6	0.15	K2175	20.185	59.196	251.824	19.498	0.23170	2.77259	7	X
K12UI9M	17.2	0.15	K2175	245.840	195.597	182.886	12.056	0.12917	3.00836	3	X
K12UJ7L	19.6	0.15	K2175	286.746	286.117	74.946	3.030	0.22189	2.17140	3	X
K12UJ8O	17.5	0.15	K2175	263.224	172.967	186.566	10.480	0.11958	3.04460	4	X
K12V17K	19.0	0.15	K2175	257.055	163.685	205.679	3.103	0.13300	2.19343	6	X
K12V61R	17.1	0.15	K2175	218.242	232.166	152.390	0.891	0.19217	3.13705	5	X
K12V98C	16.1	0.15	K2175	235.740	315.929	58.793	18.026	0.22712	3.11348	7	X
K12VB2T	16.9	0.15	K2175	122.858	263.543	212.158	15.413	0.02831	3.12111	5	X
K12W16C	16.7	0.15	K2175	277.708	260.166	79.103	15.605	0.11431	3.11152	6	X
K12W30X	17.1	0.15	K2175	297.071	272.734	60.312	10.083	0.14336	3.02192	7	X
K12X00X	19.4	0.15	K2175	177.834	7.836	49.566	2.907	0.18557	2.28348	6	X
K12X89E	17.4	0.15	K2175	194.452	350.654	75.964	2.459	0.17654	3.14178	7	X
K12X90W	17.3	0.15	K2175	297.381	268.505	70.849	10.206	0.14916	3.02746	4	X

K12XD7W	16.6	0.15	K2175	239.364	321.112	51.794	8.431	0.26081	3.10146	5	X
K13A25R	15.9	0.15	K2175	347.545	180.473	90.922	11.555	0.07849	3.18441	11	X
K13AG7F	17.4	0.15	K2175	54.516	22.361	177.889	10.057	0.01002	3.36657	6	X
K13AH4U	15.5	0.15	K2175	190.047	235.782	237.853	15.082	0.06769	3.16254	15	X
K13B85Q	16.1	0.15	K2175	270.615	23.658	291.316	17.344	0.04096	3.48936	6	X
K13C07J	18.5	0.15	K2175	53.700	297.496	253.761	3.824	0.17591	2.39658	5	X
K13C39T	17.9	0.15	K2175	63.952	97.136	82.083	2.308	0.11743	2.39808	11	X
K13C75V	18.5	0.15	K2175	50.542	149.894	42.932	2.818	0.14467	2.41489	7	X
K13CB2N	18.7	0.15	K2175	143.161	9.083	72.661	3.290	0.17217	2.39265	4	X
K13E36J	18.3	0.15	K2175	86.414	53.087	103.841	2.390	0.12849	2.43144	9	X
K13E96S	18.3	0.15	K2175	329.089	153.009	121.138	2.268	0.17435	2.48176	6	X
K13EB8S	18.1	0.15	K2175	22.914	69.160	141.678	24.405	0.05691	1.91823	5	X
K13EG4R	19.0	0.15	K2175	340.472	264.053	358.867	21.459	0.07550	1.90258	4	X
K13EH2R	18.9	0.15	K2175	99.222	269.432	226.541	3.693	0.21848	2.43910	3	X
K13EH5M	19.1	0.15	K2175	16.090	227.630	353.166	20.428	0.04153	1.89400	2	X
K13F36G	16.5	0.15	K2175	15.437	26.515	179.736	9.809	0.14709	3.96485	3	X
K13F37K	18.7	0.15	K2175	16.757	184.943	30.222	1.276	0.12792	2.49111	5	X
K13G06H	17.7	0.15	K2175	275.291	79.081	118.676	3.771	0.02108	2.77035	7	V
K13G17X	19.1	0.15	K2175	12.371	59.135	197.401	23.036	0.13518	1.89253	5	X
K13G56M	18.5	0.15	K2175	75.508	102.604	67.440	4.970	0.12865	2.44345	5	X
K13GC1R	17.6	0.15	K2175	1.027	85.455	217.849	14.741	0.26524	2.43343	9	X
K13J61G	18.1	0.15	K2175	9.662	146.392	66.027	2.757	0.18654	2.56463	6	X
K13J63N	16.6	0.15	K2175	70.059	7.120	252.060	22.742	0.16180	2.30293	7	X
K13J74M	18.5	0.15	K2175	107.548	40.872	105.281	24.065	0.03335	1.92260	4	X
K13K10L	18.2	0.15	K2175	0.107	114.105	112.775	30.482	0.27162	2.56764	3	X
K13L37Y	18.1	0.15	K2175	26.351	84.313	141.360	13.944	0.16448	2.52576	4	X
K13L38M	18.7	0.15	K2175	323.142	151.843	180.198	12.737	0.32005	2.52147	3	X
K13L38V	17.5	0.15	K2175	339.848	157.222	142.091	14.377	0.25149	2.59533	5	X
K13N58Q	17.8	0.15	K2175	238.802	105.768	238.310	3.681	0.08182	2.76412	9	X
K13N58R	17.5	0.15	K2175	306.588	188.504	139.081	14.716	0.17660	2.59067	5	X
K13N58T	19.0	0.15	K2175	243.713	279.437	111.966	23.927	0.13832	1.96420	4	X
K13N58X	17.7	0.15	K2175	316.905	347.661	283.407	10.464	0.14653	2.69375	3	X
K13N59A	18.0	0.15	K2175	316.602	183.107	106.363	5.756	0.16424	2.65200	4	X
K13O10H	18.5	0.15	K2175	334.809	139.554	163.811	13.658	0.26887	2.56556	4	X
K13O13D	17.7	0.15	K2175	345.314	125.273	155.435	13.738	0.17948	2.62038	7	X
K13O17E	17.9	0.15	K2175	306.013	178.919	152.029	15.422	0.19371	2.60108	3	X
K13O17F	18.7	0.15	K2175	337.766	110.596	181.414	13.249	0.19790	2.59197	2	X
K13P02M	18.0	0.15	K2175	269.492	261.232	84.566	2.108	0.17911	2.66652	4	X
K13P20E	17.8	0.15	K2175	327.608	152.865	156.070	14.140	0.16939	2.63125	6	X
K13P30H	18.0	0.15	K2175	320.940	96.577	184.401	5.218	0.14036	2.71269	4	X
K13P46K	17.6	0.15	K2175	354.000	324.081	274.595	5.356	0.08756	2.69747	7	X
K13PB5J	18.2	0.15	K2175	322.771	157.051	152.814	15.601	0.12433	2.63196	3	X
K13PB6H	18.2	0.15	K2175	357.515	85.911	173.960	13.700	0.06007	2.69295	4	X
K13Q11T	17.5	0.15	K2175	358.387	101.601	141.644	28.740	0.32798	2.60943	3	X
K13Q18F	17.8	0.15	K2175	318.081	266.856	12.855	3.298	0.10546	2.70497	4	X
K13Q27G	16.4	0.15	K2175	265.889	45.232	285.215	19.642	0.15161	2.77850	8	X
K13Q37V	18.0	0.15	K2175	290.689	173.226	154.527	9.130	0.08107	2.67127	5	X
K13R12N	17.5	0.15	K2175	58.460	302.262	251.844	4.957	0.02681	2.70555	9	X
K13R48S	18.2	0.15	K2175	335.329	331.353	319.154	1.303	0.18714	2.66176	3	X
K13R55K	17.7	0.15	K2175	275.502	22.614	300.059	11.517	0.13200	2.75533	4	X
K13R96L	17.1	0.15	K2175	326.681	125.738	264.144	30.209	0.38200	2.59690	4	X
K13RA6D	17.4	0.15	K2175	290.975	294.491	47.036	17.166	0.23447	2.68928	4	X
K13RE2J	17.8	0.15	K2175	202.728	175.513	219.082	2.292	0.03981	2.80110	5	X
K13RE6N	18.1	0.15	K2175	286.217	34.425	346.435	4.541	0.16947	2.61553	4	V
K13RE9T	18.8	0.15	K2175	315.237	254.938	57.704	13.428	0.29978	2.66326	3	X
K13S54B	17.7	0.15	K2175	281.155	347.936	346.427	2.109	0.08075	2.75314	7	X
K13S99H	14.4	0.15	K2175	264.685	195.138	159.524	20.020	0.10998	5.18015	7	X
K13T01J	18.0	0.15	K2175	291.497	184.750	162.794	6.700	0.29820	2.67109	2	V
K13T28O	17.2	0.15	K2175	282.709	291.916	35.657	8.086	0.22798	2.77930	6	X
K13T63R	17.4	0.15	K2175	6.901	104.634	201.637	26.704	0.18075	2.58161	7	X
K13T78S	17.5	0.15	K2175	257.795	125.967	236.018	3.762	0.16786	2.75830	9	X
K13TK4S	17.4	0.15	K2175	282.792	104.995	233.765	3.581	0.08346	2.76413	8	X
K13TL8V	17.6	0.15	K2175	264.118	285.341	50.464	3.421	0.03575	2.84057	7	X
K13TM0V	18.2	0.15	K2175	309.537	256.799	63.318	4.529	0.20855	2.69759	4	X
K13U09Q	17.2	0.15	K2175	292.858	112.324	224.909	7.866	0.27883	2.71062	3	V
K13U19L	16.9	0.15	K2175	296.334	81.260	248.858	3.326	0.06975	2.81215	12	X
K13U19X	18.0	0.15	K2175	211.779	305.248	104.943	3.562	0.09341	2.82958	5	X
K13U35L	17.6	0.15	K2175	134.255	36.783	52.660	7.414	0.11123	2.98330	5	X
K13U44K	16.9	0.15	K2175	74.539	80.023	52.876	16.560	0.21803	3.11557	3	X
K13U44U	17.2	0.15	K2175	60.518	90.755	60.997	11.189	0.20673	3.11198	4	X
K13V14A	20.2	0.15	K2175	355.408	59.428	253.441	16.826	0.40636	1.93227	2	X
K13V14V	14.5	0.15	K2175	304.304	116.377	199.681	28.085	0.07684	5.23859	6	X
K13V45K	17.2	0.15	K2175	253.231	129.765	227.891	24.338	0.15854	2.80315	4	X
K13V57L	17.3	0.15	K2175	211.871	287.713	84.903	7.242	0.23721	2.92251	3	X
K13V65Q	17.5	0.15	K2175	188.433	316.960	84.005	9.245	0.04328	2.97916	5	X
K13V65S	17.2	0.15	K2175	51.677	221.851	284.183	8.804	0.10570	3.12669	4	X
K13W13A	17.1	0.15	K2175	150.299	355.196	76.406	13.885	0.19909	3.05224	6	X
K13W92W	17.8	0.15	K2175	151.895	27.994	43.534	5.927	0.17342	3.04770	3	X
K13WD5Q	17.1	0.15	K2175	309.384	71.165	214.948	9.291	0.06228	2.98174	6	X
K13Y40P	17.1	0.15	K2175	9.224	64.255	253.164	16.515	0.33811	2.60419	5	X
K13Y50R	17.4	0.15	K2175	320.933	127.141	256.424	30.474	0.28936	2.58235	5	X
K13Y60C	16.7	0.15	K2175	115.962	50.023	72.234	7.226	0.12793	3.13039	8	X
K13Y87J	16.9	0.15	K2175	185.283	327.111	99.887	14.483	0.17235	3.04689	5	X
K13Y96B	16.8	0.15	K2175	148.627	343.367	119.129	28.317	0.08458	3.10052	6	X
K13YB6P	16.4	0.15	K2175	70.565	45.301	123.775	19.206	0.08819	3.22748	7	X
K13YE3V	16.9	0.15	K2175	232.683	286.916	85.338	7.338	0.23843	2.91895	3	X
K14B49P	18.5	0.15	K2175	221.435	4.804	27.957	5.182	0.06749	2.12144	6	X
K14B59C	16.5	0.15	K2175	167.627	294.947	143.782	20.518	0.26327	3.09383	7	X
K14B59U	16.7	0.15	K2175	189.597	1.345	57.764	10.934	0.04504	3.12682	7	X
K14B73R	17.3	0.15	K2175	208.766	226.257	191.062	16.306	0.05664	2.90428	8	X
K14B83U	18.8	0.15	K2175	51.993	136.766	44.183	8.938	0.09496	2.20638	4	X
K14C03K	17.3	0.15	K2175	115.220	26.581	100.745	2.565	0.13897	3.17995	6	X
K14C06O	18.8	0.15	K2175	112.141	100.963	25.659	4.025	0.10005	2.19005	6	X

K14D12B	18.2	0.15	K2175	193.497	346.243	75.972	12.884	0.08641	3.17803	10	X
K14D27G	18.5	0.15	K2175	74.892	337.526	188.872	1.374	0.15694	2.21144	7	X
K14D55V	18.1	0.15	K2175	351.276	84.789	146.094	5.615	0.09131	2.29373	7	X
K14D95P	18.6	0.15	K2175	215.105	171.203	219.298	5.328	0.11079	2.21770	7	X
K14EC2Q	19.3	0.15	K2175	43.625	304.712	245.345	3.809	0.12208	2.25498	5	X
K14EP0N	19.0	0.15	K2175	62.036	353.214	192.414	6.963	0.12337	2.24688	4	X
K14F30U	19.0	0.15	K2175	11.822	134.946	109.034	10.611	0.18999	2.24851	2	X
K14F86W	19.0	0.15	K2175	338.855	133.690	126.919	6.577	0.19581	2.30343	4	X
K14G39H	17.8	0.15	K2175	248.537	264.606	116.004	6.030	0.10553	2.20255	11	X
K14G65G	18.8	0.15	K2175	8.933	77.386	164.646	6.878	0.21035	2.29165	6	X
K14H11R	18.3	0.15	K2175	342.553	77.197	176.735	4.225	0.16997	2.30531	5	X
K14H39G	18.8	0.15	K2175	106.209	48.607	90.921	7.376	0.03700	2.27890	7	X
K14H70K	19.3	0.15	K2175	12.851	55.197	170.449	3.397	0.13392	2.29724	5	X
K14H98T	18.0	0.15	K2175	78.170	279.559	91.109	6.255	0.03723	2.67424	5	V
K14HJ1G	18.5	0.15	K2175	24.010	102.024	131.054	6.647	0.10187	2.27607	7	X
K14HL4Z	19.1	0.15	K2175	355.338	26.075	238.879	3.682	0.14338	2.30048	2	X
K14HM7U	18.5	0.15	K2175	341.183	267.599	10.520	3.310	0.14003	2.30103	2	X
K14JA7V	18.8	0.15	K2175	341.442	40.622	219.503	3.618	0.07790	2.33297	5	X
K14JB8F	19.1	0.15	K2175	9.517	115.172	136.537	6.783	0.20074	2.30006	2	X
K14JC0C	19.3	0.15	K2175	322.880	173.255	125.745	3.136	0.22892	2.33498	2	V
K14K15K	18.4	0.15	K2175	25.382	80.847	115.422	4.100	0.17546	2.33951	8	X
K14K33O	18.9	0.15	K2175	61.425	47.151	131.993	3.890	0.18023	2.29634	5	X
K14K80S	18.9	0.15	K2175	16.044	0.367	239.078	2.292	0.18189	2.29591	6	X
K14K91B	20.2	0.15	K2175	340.218	127.103	201.869	4.937	0.57658	2.33085	2	X
K14KD5V	20.0	0.15	K2175	8.673	99.768	149.262	11.168	0.26890	2.30692	2	X
K14L19V	19.0	0.15	K2175	28.107	0.635	200.805	6.123	0.22230	2.33134	3	X
K14M03X	18.2	0.15	K2175	333.751	89.669	227.067	21.563	0.28727	2.30242	6	X
K14M59B	17.9	0.15	K2175	333.404	2.342	264.623	15.978	0.16039	2.42729	5	X
K14N28Y	19.1	0.15	K2175	325.537	118.104	183.896	1.077	0.18655	2.37045	4	X
K14N82P	18.5	0.15	K2175	329.145	246.216	37.601	8.761	0.06534	2.38684	3	X
K14O48X	18.9	0.15	K2175	248.836	169.356	195.445	2.035	0.19561	2.44529	4	X
K14OC7C	18.6	0.15	K2175	320.438	204.072	119.343	3.821	0.24618	2.35852	5	X
K14OF0P	18.5	0.15	K2175	24.065	167.522	65.313	2.206	0.14420	2.35759	7	X
K14ON9E	18.7	0.15	K2175	281.710	105.860	233.354	0.439	0.19541	2.41631	6	X
K14Od8C	18.4	0.15	K2175	267.294	267.970	53.095	2.350	0.13206	2.52190	4	X
K14Of5R	18.6	0.15	K2175	340.212	122.326	168.757	1.461	0.18925	2.36932	9	X
K14Of8B	18.9	0.15	K2175	341.909	232.865	53.861	3.579	0.20783	2.38378	4	X
K14Oh4R	18.5	0.15	K2175	312.310	221.666	107.512	5.109	0.22019	2.41817	5	X
K14P14P	17.2	0.15	K2175	79.152	171.888	151.069	10.681	0.04923	3.18401	3	V
K14P26Q	18.7	0.15	K2175	320.358	269.218	37.017	3.127	0.17752	2.40388	4	X
K14P80G	19.0	0.15	K2175	349.646	313.769	322.628	0.574	0.17190	2.36814	5	X
K14QA2V	18.3	0.15	K2175	246.391	229.567	157.876	14.718	0.09712	2.41700	5	X
K14QB7M	18.3	0.15	K2175	263.722	186.077	184.040	2.288	0.22099	2.44897	6	X
K14QD5G	19.1	0.15	K2175	336.491	214.154	71.401	2.410	0.17194	2.42138	2	X
K14QJ2Z	18.7	0.15	K2175	324.770	85.887	201.337	5.449	0.13005	2.43864	4	X
K14Qg1P	18.2	0.15	K2175	307.301	167.740	177.992	12.435	0.27868	2.38361	6	X
K14Qn5Q	17.7	0.15	K2175	2.312	120.007	135.319	14.907	0.10234	2.44952	9	X
K14Qo4U	18.2	0.15	K2175	301.377	291.563	25.378	12.231	0.21998	2.44321	4	X
K14R07J	17.5	0.15	K2175	314.219	324.003	321.136	15.509	0.15477	2.46673	6	X
K14S18W	19.4	0.15	K2175	289.227	195.278	161.091	0.596	0.22093	2.41739	3	X
K14S41B	18.5	0.15	K2175	295.692	216.470	110.560	6.010	0.24509	2.43475	3	X
K14S90S	18.5	0.15	K2175	340.914	39.971	247.348	1.853	0.17155	2.43011	6	X
K14SN3X	18.8	0.15	K2175	243.826	316.275	54.816	4.774	0.24449	2.54069	6	X
K14SU4E	18.8	0.15	K2175	148.929	264.257	203.147	18.772	0.14546	1.84456	5	X
K14SV4P	18.1	0.15	K2175	332.657	142.700	166.674	11.133	0.25981	2.39997	7	X
K14Sa0D	18.2	0.15	K2175	224.815	327.205	52.589	3.282	0.12982	2.58000	5	X
K14Sb9G	17.7	0.15	K2175	310.745	332.995	316.008	6.675	0.12094	2.56690	5	X
K14T84P	18.6	0.15	K2175	327.367	103.708	217.027	18.623	0.29507	2.39974	3	X
K14T85E	19.1	0.15	K2175	228.303	312.953	93.962	3.175	0.29339	2.57199	3	X
K14T86L	14.2	0.15	K2175	246.499	304.063	57.956	29.657	0.09515	5.17642	4	X
K14T87L	18.0	0.15	K2175	199.455	257.170	158.126	11.115	0.16626	2.62326	4	X
K14TA5U	18.5	0.15	K2175	310.235	262.057	68.376	4.323	0.18790	2.42689	4	X
K14U66Z	18.3	0.15	K2175	246.248	319.217	51.395	6.736	0.27032	2.57260	3	X
K14UK5F	18.2	0.15	K2175	259.247	147.384	224.524	1.029	0.10706	2.52528	6	X
K14UM7G	18.2	0.15	K2175	145.111	25.036	73.596	10.159	0.22869	2.70015	3	X
K14UP3D	17.7	0.15	K2175	242.680	139.388	232.862	10.444	0.05136	2.61834	3	X
K14UP7Z	14.2	0.15	K2175	290.528	75.181	238.665	20.394	0.05748	5.14976	8	X
K14UP9R	17.7	0.15	K2175	306.004	196.066	132.119	16.750	0.15725	2.53990	5	X
K14UQ3A	14.1	0.15	K2175	322.005	227.859	59.662	30.006	0.06210	5.26020	6	X
K14UR0J	18.1	0.15	K2175	327.117	61.364	226.952	0.658	0.12537	2.55824	5	X
K14V38A	17.8	0.15	K2175	113.768	290.312	208.648	19.888	0.08398	1.92261	10	X
K14W03E	19.1	0.15	K2175	77.246	79.554	60.666	23.674	0.08956	1.95461	5	X
K14W06Q	19.4	0.15	K2175	359.111	36.262	234.943	20.438	0.08059	1.86157	4	X
K14W41J	17.5	0.15	K2175	194.918	190.498	223.926	20.773	0.04357	2.64866	6	X
K14W41T	17.5	0.15	K2175	134.878	30.079	73.456	10.580	0.27684	2.74977	6	X
K14W47E	17.5	0.15	K2175	136.289	225.587	224.816	7.854	0.07716	2.75490	6	X
K14W71Y	17.6	0.15	K2175	313.652	244.935	70.678	13.398	0.10460	2.55786	5	X
K14W99G	17.7	0.15	K2175	127.014	331.367	113.712	4.661	0.06506	2.77150	7	X
K14WD1Z	14.1	0.15	K2175	307.660	63.702	241.256	16.078	0.14021	5.15556	6	X
K14WD3K	17.4	0.15	K2175	92.721	81.912	60.593	8.927	0.15091	2.77469	6	X
K14WE2H	19.2	0.15	K2175	74.067	298.799	237.166	19.925	0.04920	1.91684	6	X
K14WH6X	17.4	0.15	K2175	138.654	37.240	71.570	8.086	0.15444	2.64839	9	X
K14WS9U	17.4	0.15	K2175	179.195	317.301	114.133	14.240	0.13916	2.66402	6	X
K14WX1R	17.8	0.15	K2175	164.227	277.775	143.972	6.289	0.05380	2.72246	6	X
K14WY7K	17.6	0.15	K2175	316.177	266.266	21.782	12.563	0.13542	2.62780	7	X
K14Wa8A	19.2	0.15	K2175	352.550	47.305	226.844	20.983	0.01220	1.87744	4	X
K14Wc8P	17.8	0.15	K2175	316.859	138.654	177.439	16.676	0.16940	2.52849	6	X
K14We3Z	18.2	0.15	K2175	232.234	186.989	209.240	2.233	0.13493	2.60210	7	X
K14We8K	17.5	0.15	K2175	294.792	274.714	62.363	3.252	0.09560	2.59590	11	X
K14Wk6E	15.1	0.15	K2175	240.048	135.527	248.574	10.316	0.09846	5.15229	4	X
K14Wp1G	14.7	0.15	K2175	263.852	259.578	88.966	10.605	0.14576	5.17856	5	X
K14Wq1D	17.5	0.15	K2175	70.799	292.628	236.680	6.966	0.14327	2.77878	6	X
K14Wr6S	17.6	0.15	K2175	322.987	98.626	205.059	18.512	0.05686	2.54289	6	X

K14Wt1Z	17.3	0.15	K2175	122.184	57.943	326.825	5.194	0.15357	3.00568	5	V
K14Wu2X	14.4	0.15	K2175	260.089	188.084	168.370	18.858	0.09990	5.24997	4	X
K14Wv6M	17.7	0.15	K2175	304.844	16.054	309.785	2.032	0.21754	2.54118	6	X
K14Wv8G	18.8	0.15	K2175	197.224	354.155	56.146	3.448	0.13850	2.66996	2	X
K14Wx0P	17.9	0.15	K2175	264.279	279.344	59.367	26.025	0.13086	2.65811	3	X
K14Wx0Q	17.2	0.15	K2175	24.816	79.581	48.671	13.700	0.19618	3.14239	4	V
K14Wx0R	14.6	0.15	K2175	330.867	47.801	228.709	26.897	0.03198	5.13201	6	X
K14X00W	17.7	0.15	K2175	215.694	190.512	194.348	13.104	0.19400	2.67289	5	X
K14X03J	20.1	0.15	K2175	19.692	161.646	22.308	1.224	0.72702	2.13297	4	X
K14X35V	14.4	0.15	K2175	295.633	245.251	84.920	8.769	0.11322	5.15793	9	X
K14X37A	16.4	0.15	K2175	108.818	335.837	113.717	31.242	0.13902	2.99789	5	X
K14X51C	17.9	0.15	K2175	282.114	201.831	155.151	17.554	0.16480	2.54836	5	X
K14X53L	14.2	0.15	K2175	253.593	245.862	111.518	32.115	0.05849	5.20049	6	X
K14X53M	18.9	0.15	K2175	257.821	290.083	102.975	24.631	0.05540	1.84524	4	X
K14Y53R	16.7	0.15	K2175	106.025	69.301	49.115	19.937	0.19308	3.03305	7	X
K15A01Y	14.5	0.15	K2175	242.007	196.944	181.647	19.520	0.05584	5.29221	8	X
K15A42D	17.6	0.15	K2175	179.577	316.893	115.149	22.821	0.03171	2.69592	3	X
K15A61E	16.7	0.15	K2175	87.214	350.325	119.725	6.856	0.13871	3.01044	8	X
K15A61U	17.2	0.15	K2175	321.042	33.687	260.279	7.223	0.10017	2.76329	8	X
K15A75T	18.0	0.15	K2175	205.618	260.809	148.996	4.507	0.07322	2.75917	5	X
K15A92C	18.2	0.15	K2175	119.549	291.466	169.879	1.907	0.12725	2.91582	8	X
K15A96A	16.8	0.15	K2175	227.616	251.951	144.844	22.285	0.08457	2.65258	9	X
K15AB6Y	17.6	0.15	K2175	256.841	119.904	220.805	1.249	0.07879	2.85206	6	X
K15AC0G	17.8	0.15	K2175	145.551	271.310	161.378	3.599	0.07411	2.93108	5	X
K15AK6L	16.8	0.15	K2175	357.567	151.492	65.636	2.729	0.08080	2.98987	12	X
K15AL5U	17.7	0.15	K2175	293.746	184.683	151.580	15.867	0.08897	2.62543	4	X
K15AL9B	17.3	0.15	K2175	130.049	253.865	176.713	12.914	0.12328	2.91481	8	X
K15AO7R	17.3	0.15	K2175	162.269	11.397	81.054	4.959	0.06428	2.76230	10	X
K15AP1S	17.8	0.15	K2175	236.513	278.205	115.472	26.514	0.11626	1.90462	7	X
K15AP5R	16.9	0.15	K2175	251.849	227.877	151.399	15.284	0.09994	2.60612	9	X
K15AQ2A	15.4	0.15	K2175	5.864	100.955	169.962	13.818	0.31164	2.92904	11	X
K15AR6A	17.1	0.15	K2175	246.349	306.104	72.312	6.955	0.04207	2.74289	11	X
K15AT0S	19.4	0.15	K2175	271.865	131.911	230.904	21.713	0.06118	1.87923	3	X
K15B18T	17.0	0.15	K2175	129.281	57.837	68.826	4.770	0.04532	2.76403	12	X
K15B31R	17.6	0.15	K2175	198.505	291.421	103.914	10.006	0.19131	2.80324	6	X
K15B70J	17.4	0.15	K2175	242.101	141.454	242.079	5.606	0.07908	2.77155	9	X
K15B99R	17.4	0.15	K2175	57.276	15.832	130.390	2.433	0.16762	3.08485	6	X
K15BD2D	17.9	0.15	K2175	50.595	93.996	84.318	2.723	0.21209	3.02412	4	X
K15BF0N	16.0	0.15	K2175	63.051	177.484	324.345	17.558	0.11032	3.09122	10	X
K15BI7H	17.7	0.15	K2175	309.409	241.502	62.067	3.002	0.04171	2.86505	5	X
K15BM0Y	17.5	0.15	K2175	315.870	302.440	350.758	4.014	0.03704	2.79350	10	X
K15BM9H	17.6	0.15	K2175	126.975	49.751	77.967	4.873	0.04468	2.79044	7	X
K15BW9O	17.1	0.15	K2175	311.091	236.635	79.738	4.722	0.08693	2.80500	10	X
K15BY1P	17.7	0.15	K2175	322.140	224.327	62.529	2.969	0.03806	2.90038	6	X
K15Bc6H	18.0	0.15	K2175	4.108	157.366	86.237	3.406	0.04334	2.89803	4	X
K15Be0Y	17.7	0.15	K2175	267.508	285.028	76.625	4.188	0.10526	2.75895	8	X
K15Bl7B	17.9	0.15	K2175	49.248	322.107	223.470	1.186	0.03544	2.94076	4	X
K15Br3C	16.9	0.15	K2175	12.600	186.341	43.876	15.829	0.19031	3.21390	5	X
K15Bs2P	16.1	0.15	K2175	36.240	261.059	276.451	17.130	0.13361	3.22266	8	X
K15Bs5G	16.9	0.15	K2175	123.158	210.837	264.720	8.554	0.03406	3.06093	7	X
K15Bs5S	17.1	0.15	K2175	70.638	46.713	127.955	0.731	0.11147	3.05036	7	X
K15Bs6D	16.6	0.15	K2175	242.759	218.567	167.719	15.638	0.07554	3.06657	7	X
K15Bt8S	18.2	0.15	K2175	246.502	149.212	230.753	5.244	0.08036	2.71585	4	X
K15Bw3F	18.3	0.15	K2175	277.772	290.136	69.329	12.533	0.14704	2.62117	3	X
K15By2A	17.1	0.15	K2175	312.202	156.089	150.750	16.745	0.01932	2.97296	5	X
K15Bz4Y	17.7	0.15	K2175	61.708	62.994	121.092	11.260	0.05591	2.96661	4	X
K15Bz7S	16.8	0.15	K2175	338.206	306.322	313.736	7.242	0.12314	3.13919	5	X
K15C09S	17.3	0.15	K2175	93.010	321.293	150.270	5.889	0.15114	3.09210	5	X
K15C49J	17.1	0.15	K2175	126.289	317.098	147.137	11.290	0.22420	2.97958	7	X
K15D16T	17.2	0.15	K2175	277.980	191.802	130.239	6.686	0.04862	2.90843	11	X
K15D66L	17.2	0.15	K2175	273.298	250.297	96.161	3.234	0.03055	2.87403	11	X
K15D67P	17.2	0.15	K2175	350.465	175.388	91.808	3.226	0.02396	2.90116	12	X
K15D96S	16.4	0.15	K2175	181.545	51.465	352.766	13.292	0.09380	3.07276	7	X
K15DB4P	17.0	0.15	K2175	143.927	347.037	93.849	10.311	0.05557	2.97983	6	X
K15DC0B	17.7	0.15	K2175	33.461	56.874	146.809	18.641	0.22120	3.12177	2	X
K15DC0E	16.5	0.15	K2175	302.318	233.301	142.661	16.465	0.17878	2.70132	13	X
K15DC9K	16.8	0.15	K2175	196.363	0.918	48.004	15.909	0.05840	3.02878	7	X
K15DD1Z	17.7	0.15	K2175	35.083	65.174	138.247	17.204	0.18964	3.13652	4	X
K15DD3V	16.4	0.15	K2175	152.381	351.442	72.412	19.024	0.20452	3.11727	5	X
K15DD6G	17.6	0.15	K2175	75.305	47.134	87.926	11.990	0.15031	3.18196	3	X
K15DJ2J	17.2	0.15	K2175	345.783	163.424	109.090	12.102	0.05470	2.96891	4	X
K15DO3Q	16.9	0.15	K2175	131.684	235.468	246.910	11.930	0.05418	2.98847	7	X
K15DP4A	16.8	0.15	K2175	17.383	90.506	144.027	16.541	0.18469	3.17501	6	X
K15DQ3L	17.0	0.15	K2175	336.009	218.893	43.359	13.167	0.13254	3.14117	6	X
K15DS6K	17.0	0.15	K2175	299.356	249.764	62.543	11.726	0.09078	3.01324	6	X
K15DS6L	17.4	0.15	K2175	347.444	29.067	209.446	12.333	0.09977	3.16450	4	X
K15DS6N	17.0	0.15	K2175	45.420	100.626	70.770	12.128	0.06603	3.11171	5	X
K15DS7D	16.6	0.15	K2175	327.116	334.770	303.605	17.319	0.27924	3.12185	3	X
K15DS8A	17.0	0.15	K2175	315.385	182.836	99.975	10.818	0.08690	3.13092	8	X
K15E35L	17.3	0.15	K2175	24.908	69.769	137.840	3.637	0.08697	3.07714	6	X
K15E39E	17.2	0.15	K2175	342.485	148.529	106.482	3.339	0.08838	3.05039	8	X
K15E77K	17.4	0.15	K2175	74.171	335.746	171.171	3.712	0.12503	3.10065	4	X
K15E78Q	17.0	0.15	K2175	327.882	166.530	130.599	20.600	0.14048	3.06973	2	X
K15E79C	17.7	0.15	K2175	345.806	125.247	164.065	14.425	0.24459	2.96850	3	X
K15F10R	17.3	0.15	K2175	119.828	50.437	58.234	13.141	0.14987	3.07995	4	X
K15F12W	17.0	0.15	K2175	169.647	311.727	102.376	10.597	0.08211	3.16001	7	X
K15F28G	16.8	0.15	K2175	181.493	316.220	64.064	18.059	0.15446	3.13803	4	X
K15F44B	16.9	0.15	K2175	130.924	294.227	186.848	13.821	0.08420	3.10562	7	X
K15F65Q	15.8	0.15	K2175	144.541	171.074	261.198	14.860	0.07017	3.17814	10	X
K15F71M	16.2	0.15	K2175	78.383	294.487	204.130	25.973	0.22537	3.19333	4	X
K15F80Z	16.1	0.15	K2175	332.352	305.041	307.358	13.930	0.02354	3.07509	14	X
K15F83Z	16.9	0.15	K2175	323.782	55.511	241.428	9.961	0.09627	2.95011	6	X
K15F89K	16.9	0.15	K2175	243.010	143.532	228.693	10.306	0.11271	2.93702	5	X

K15FB5G	17.0	0.15	K2175	81.391	322.455	188.840	17.160	0.18358	3.14138	3 X
K15FE5C	17.1	0.15	K2175	335.787	197.447	95.458	2.854	0.18218	3.09758	6 X
K15FJ6T	16.6	0.15	K2175	255.312	127.390	234.010	8.478	0.01620	2.96854	12 X
K15FK1V	17.3	0.15	K2175	166.051	227.735	198.430	4.889	0.24725	2.96546	6 X
K15FL3Z	17.2	0.15	K2175	0.232	103.369	155.513	16.358	0.18968	3.17878	5 X
K15FN1W	17.5	0.15	K2175	160.813	26.203	71.248	2.528	0.02256	2.99523	8 X
K15FN8C	16.6	0.15	K2175	59.323	24.829	162.958	16.560	0.10958	3.05365	9 X
K15FO1K	17.0	0.15	K2175	82.627	0.671	136.823	10.460	0.04675	3.17495	6 X
K15FO2O	16.6	0.15	K2175	346.084	118.187	164.191	13.657	0.15172	3.04777	9 X
K15FO7H	17.7	0.15	K2175	11.719	79.090	162.388	15.208	0.10746	3.09025	4 X
K15FO7P	18.1	0.15	K2175	38.677	40.916	166.648	14.917	0.17061	3.10799	3 X
K15FR1T	17.1	0.15	K2175	145.886	334.989	93.847	5.925	0.22240	3.03524	7 X
K15FS3B	17.1	0.15	K2175	92.845	346.646	164.279	18.614	0.06475	3.03198	3 X
K15FW8L	17.0	0.15	K2175	342.986	98.764	175.157	17.674	0.03158	3.07397	6 X
K15Fb3C	17.4	0.15	K2175	2.612	126.721	128.035	18.841	0.17239	3.16379	4 X
K15Fc4U	17.0	0.15	K2175	347.359	76.364	182.653	27.021	0.13316	3.06655	3 V
K15Fe5P	16.9	0.15	K2175	15.564	63.434	177.085	14.063	0.21478	3.21888	5 X
K15Fe9C	17.0	0.15	K2175	350.174	210.466	56.971	2.050	0.11811	3.12961	8 X
K15Ff6V	17.0	0.15	K2175	354.077	82.241	187.990	25.304	0.18433	3.22126	6 X
K15Ff8K	16.5	0.15	K2175	306.044	321.476	323.680	17.181	0.12300	3.21130	5 X
K15Fg5S	16.9	0.15	K2175	348.816	190.845	55.106	15.013	0.08618	3.23449	3 X
K15Fh0Z	17.0	0.15	K2175	91.980	324.432	174.654	10.904	0.04416	3.17273	5 X
K15G49E	17.2	0.15	K2175	13.431	173.896	62.164	11.504	0.14294	3.16241	3 X
K15G65K	17.4	0.15	K2175	254.133	88.627	304.480	0.871	0.03253	2.91653	5 V
K15G65Q	17.3	0.15	K2175	36.912	340.142	216.714	13.894	0.03504	3.11749	4 X
K15H04O	16.8	0.15	K2175	246.326	103.236	253.213	9.509	0.00482	3.06840	7 X
K15H65M	17.4	0.15	K2175	47.027	9.355	193.173	0.738	0.09710	3.15341	6 X
K15H69V	16.7	0.15	K2175	264.459	306.103	41.812	10.235	0.07323	3.17629	8 X
K15H76K	17.1	0.15	K2175	11.068	183.010	63.776	1.862	0.10678	3.16535	7 X
K15H89N	16.5	0.15	K2175	18.094	53.461	211.870	15.849	0.23243	3.10580	7 X
K15H97X	17.4	0.15	K2175	38.856	138.945	57.122	1.968	0.09173	3.24351	3 X
K15H98E	16.7	0.15	K2175	52.655	256.590	300.224	1.218	0.01917	3.17208	13 X
K15HB7K	17.9	0.15	K2175	333.955	75.192	292.389	18.762	0.09427	1.91683	8 X
K15HH6T	15.8	0.15	K2175	359.564	145.918	105.245	28.757	0.18141	3.21291	8 X
K15HK9R	16.9	0.15	K2175	75.299	290.555	225.062	14.903	0.03128	3.14198	6 X
K15HM0L	16.9	0.15	K2175	34.688	358.635	217.583	27.247	0.17083	3.18562	2 X
K15J23Y	17.2	0.15	K2175	21.067	136.472	125.256	18.185	0.23220	3.16809	2 X
K15K02B	16.4	0.15	K2175	301.447	31.504	278.604	9.528	0.22837	3.18975	6 X
K15K27L	16.6	0.15	K2175	88.191	273.809	249.021	10.734	0.06768	3.15192	6 X
K15K71Y	17.0	0.15	K2175	23.164	15.297	213.169	26.245	0.09998	3.24042	5 X
K15KF5Z	16.2	0.15	K2175	32.149	117.343	128.874	27.212	0.17927	3.13906	6 X
K15L37T	16.7	0.15	K2175	342.056	86.976	236.355	14.929	0.11905	3.06242	7 X
K15O25E	16.0	0.15	K2175	352.223	70.658	298.426	23.244	0.19472	3.13806	7 X
K15OB2A	19.4	0.15	K2175	298.094	213.135	115.414	7.956	0.14575	2.18635	2 X
K15PW5P	18.8	0.15	K2175	248.702	269.218	107.047	6.284	0.19746	2.26630	3 X
K15Q03M	20.3	0.15	K2175	181.859	324.629	159.699	16.144	0.53119	0.70605	3 X
K15RM6R	17.6	0.15	K2175	225.749	344.284	49.259	7.483	0.10926	2.28624	9 X
K15RN3N	18.5	0.15	K2175	122.503	345.313	109.449	4.159	0.16163	2.44116	6 X
K15RX5Z	19.0	0.15	K2175	333.734	268.165	19.631	3.344	0.14546	2.20730	5 X
K15S18O	18.6	0.15	K2175	304.530	283.216	49.206	6.321	0.20154	2.18782	5 X
K15S18X	17.9	0.15	K2175	301.623	206.957	96.973	6.314	0.22488	2.24408	5 X
K15S23X	18.2	0.15	K2175	152.260	33.799	71.084	8.948	0.04665	2.31347	8 X
K15S44P	18.6	0.15	K2175	242.811	316.808	73.039	7.142	0.15531	2.24092	4 X
K15T03K	18.3	0.15	K2175	272.691	266.265	90.435	7.498	0.17362	2.22685	7 X
K15T27E	18.6	0.15	K2175	326.263	306.807	345.563	7.596	0.23882	2.20876	4 X
K15T83D	18.5	0.15	K2175	286.429	307.243	37.206	3.405	0.19614	2.25590	8 X
K15T90G	18.6	0.15	K2175	218.676	164.087	224.468	6.170	0.20057	2.35130	3 X
K15TB9C	16.7	0.15	K2175	289.608	216.359	154.910	18.028	0.35785	3.94911	3 X
K15TI0K	17.9	0.15	K2175	197.013	135.250	277.452	1.782	0.16916	2.35043	11 X
K15TQ9K	18.2	0.15	K2175	16.031	267.005	307.290	6.823	0.05807	2.33552	9 X
K15TS0L	18.9	0.15	K2175	321.428	77.689	236.267	6.106	0.15197	2.19988	6 X
K15Tb2M	18.5	0.15	K2175	278.900	273.639	57.700	6.073	0.09450	2.32845	6 X
K15Tc7V	17.9	0.15	K2175	41.211	124.077	35.959	13.478	0.19517	2.58088	4 X
K15Ti4A	19.0	0.15	K2175	289.069	187.007	147.518	7.772	0.16966	2.25153	4 X
K15Ti4F	19.2	0.15	K2175	322.257	90.342	235.010	25.774	0.26286	2.16303	2 X
K15Ti4N	19.1	0.15	K2175	298.146	220.190	111.445	3.888	0.19247	2.24252	3 X
K15U28C	18.2	0.15	K2175	142.769	30.440	48.231	9.629	0.21472	2.44313	3 X
K15U35Q	19.4	0.15	K2175	280.745	192.199	151.898	3.672	0.19190	2.24481	5 X
K15U92D	17.9	0.15	K2175	142.747	344.679	96.621	14.688	0.21826	2.59130	4 X
K15U93G	18.0	0.15	K2175	82.633	292.131	209.434	10.601	0.20960	2.56808	4 X
K15V85E	18.5	0.15	K2175	298.034	249.196	93.290	4.765	0.17683	2.21760	8 X
K15VC6L	18.2	0.15	K2175	203.526	336.135	57.750	23.935	0.21777	2.36819	2 V
K15VH8Y	18.8	0.15	K2175	93.627	315.501	161.671	8.260	0.21358	2.54644	4 X
K15X54Q	19.3	0.15	K2175	120.343	259.672	234.752	25.464	0.10267	1.69966	4 X
K15X71V	17.8	0.15	K2175	21.654	17.671	105.671	13.630	0.09519	2.72336	3 V
K15X77H	18.0	0.15	K2175	4.880	96.598	105.881	13.007	0.02181	2.53203	5 X
K15XC0C	18.2	0.15	K2175	59.243	293.230	221.222	24.131	0.22752	2.62495	2 X
K15XD6T	17.7	0.15	K2175	191.412	350.951	75.127	6.914	0.08985	2.37010	8 X
K15XH2F	18.0	0.15	K2175	261.170	193.969	168.646	3.885	0.25104	2.30417	5 X
K15XL5O	18.2	0.15	K2175	49.836	93.965	76.975	12.937	0.18130	2.56564	3 X
K15XM3N	17.7	0.15	K2175	86.417	63.911	96.578	7.146	0.09104	2.44809	8 X
K15XM5H	18.4	0.15	K2175	315.457	73.809	226.209	6.301	0.13797	2.35792	6 X
K15XN2H	18.5	0.15	K2175	158.169	322.371	108.833	5.555	0.09250	2.47585	8 X
K15XP8O	19.0	0.15	K2175	297.240	258.817	67.383	2.962	0.20442	2.31213	3 X
K15XQ1C	18.0	0.15	K2175	78.447	69.968	57.263	29.223	0.35726	2.59312	4 X
K15XT3T	18.6	0.15	K2175	63.963	106.705	76.556	3.980	0.11934	2.46404	5 X
K15Xa6Y	17.6	0.15	K2175	245.299	313.887	72.848	13.602	0.18979	2.32550	7 X
K15Xb7M	18.4	0.15	K2175	51.104	329.029	191.026	14.779	0.42402	2.65592	3 X
K15Xd8E	17.9	0.15	K2175	159.839	295.086	165.966	17.798	0.05025	2.52426	8 X
K15Xd8K	18.2	0.15	K2175	78.190	6.232	151.231	14.371	0.19189	2.63772	5 X
K15Xf7D	18.2	0.15	K2175	22.904	2.729	228.991	11.478	0.10390	2.54640	6 X
K15Xi6D	14.5	0.15	K2175	110.594	43.777	95.989	8.123	0.04486	5.21607	10 X
K15Y03F	18.3	0.15	K2175	64.008	79.982	79.718	4.218	0.15309	2.56126	5 X

K16AD6P	17.6	0.15	K2175	50.991	282.369	250.097	12.165	0.09346	2.65419	5	X
K16AE9F	18.0	0.15	K2175	71.754	334.674	162.052	11.796	0.13196	2.71702	5	X
K16AF9P	18.1	0.15	K2175	106.053	273.509	204.859	13.145	0.11932	2.65597	6	X
K16AF9W	18.2	0.15	K2175	140.826	226.060	242.594	11.930	0.11970	2.55660	4	X
K16AG0R	17.5	0.15	K2175	21.327	310.306	253.563	12.605	0.14142	2.73420	4	X
K16AM2G	17.5	0.15	K2175	79.603	276.838	249.533	9.028	0.08825	2.61709	9	X
K16AN8E	17.5	0.15	K2175	25.516	256.326	301.623	6.163	0.15846	2.76033	6	X
K16AR4V	17.4	0.15	K2175	334.356	302.973	322.527	12.628	0.15926	2.73426	4	X
K16AU4H	18.0	0.15	K2175	193.965	269.061	160.949	17.393	0.18570	2.54711	5	X
K16AV6P	18.5	0.15	K2175	107.212	29.045	89.021	13.534	0.24516	2.62794	3	X
K16AW9S	18.3	0.15	K2175	215.709	336.886	52.167	6.235	0.20201	2.46608	6	X
K16AY2Z	18.3	0.15	K2175	54.151	301.225	236.097	11.385	0.14246	2.68738	2	X
K16B52M	17.2	0.15	K2175	269.377	21.015	303.062	14.284	0.11107	2.59696	5	X
K16B53Z	18.5	0.15	K2175	145.669	256.174	183.037	2.144	0.15023	2.60685	7	X
K16B73Y	17.7	0.15	K2175	72.232	161.281	352.680	6.821	0.04969	2.67184	5	X
K16B88K	17.6	0.15	K2175	64.255	110.207	76.393	4.403	0.06990	2.72260	9	X
K16B94O	17.8	0.15	K2175	34.380	52.681	161.387	14.103	0.10039	2.60630	4	X
K16BA3J	17.9	0.15	K2175	201.593	313.822	87.173	16.050	0.11763	2.54945	5	X
K16BC4E	16.9	0.15	K2175	312.722	40.352	247.429	12.873	0.13089	2.76994	4	X
K16BC6E	18.5	0.15	K2175	48.915	330.911	207.678	4.266	0.18590	2.74337	2	V
K16BC6N	18.3	0.15	K2175	341.923	157.803	122.249	17.740	0.12566	2.55274	5	X
K16C17C	17.6	0.15	K2175	108.450	355.122	141.743	16.698	0.10922	2.58880	4	X
K16C17F	18.0	0.15	K2175	80.061	30.167	141.631	17.477	0.04934	2.57942	4	X
K16C43W	17.5	0.15	K2175	6.882	241.340	338.153	18.125	0.18046	2.74866	3	X
K16C46Y	18.6	0.15	K2175	195.559	343.159	82.233	3.875	0.10705	2.48478	7	X
K16C82R	18.1	0.15	K2175	47.404	71.830	87.252	8.677	0.16466	2.78700	3	X
K16CB4O	17.6	0.15	K2175	295.946	104.443	249.160	7.062	0.24152	2.40935	6	X
K16CC1X	17.6	0.15	K2175	15.139	110.087	163.001	12.861	0.17664	2.52464	12	X
K16CD2H	17.5	0.15	K2175	114.208	322.031	150.114	5.884	0.11870	2.69033	8	X
K16CE0S	18.2	0.15	K2175	63.100	6.969	182.748	12.287	0.11167	2.60533	3	V
K16CF9O	18.4	0.15	K2175	78.247	7.992	138.119	5.939	0.09533	2.66431	3	X
K16CH2P	18.5	0.15	K2175	48.846	52.631	134.062	18.144	0.24835	2.68271	3	X
K16CK8G	17.3	0.15	K2175	71.388	159.456	339.189	7.517	0.16635	2.75909	7	X
K16CL5D	18.2	0.15	K2175	148.923	18.677	81.851	2.762	0.15568	2.57450	7	X
K16CL5H	18.1	0.15	K2175	22.916	114.184	97.521	3.382	0.13202	2.73533	4	X
K16CL8B	18.4	0.15	K2175	73.513	189.602	337.326	3.085	0.09268	2.64684	2	V
K16CM8M	17.5	0.15	K2175	151.924	71.893	356.157	22.067	0.06415	2.67462	6	X
K16CZ1O	18.0	0.15	K2175	334.037	357.034	284.900	2.891	0.11516	2.57215	8	X
K16CZ2F	18.3	0.15	K2175	349.634	162.393	106.751	2.182	0.03575	2.54959	7	X
K16Cb3O	17.9	0.15	K2175	147.314	345.055	114.633	27.120	0.06540	2.59670	3	X
K16Cb3R	17.9	0.15	K2175	105.322	71.139	53.704	12.100	0.08871	2.70685	2	V
K16Cb4A	17.9	0.15	K2175	356.084	342.773	269.369	8.105	0.22919	2.76824	2	X
K16Cb4X	18.1	0.15	K2175	36.684	134.062	83.365	13.769	0.04724	2.59171	4	X
K16D03T	17.4	0.15	K2175	9.067	246.894	340.381	14.957	0.21869	2.76767	2	X
K16D14A	18.1	0.15	K2175	92.971	325.372	175.619	14.662	0.21574	2.65822	3	X
K16D23A	18.0	0.15	K2175	15.958	85.981	141.921	4.132	0.12312	2.71175	5	X
K16E41X	18.4	0.15	K2175	27.967	287.790	267.244	6.995	0.21201	2.74799	2	X
K16E51Z	17.7	0.15	K2175	30.090	303.688	266.857	7.044	0.11408	2.79485	6	X
K16EB1W	18.3	0.15	K2175	79.787	110.440	52.878	12.683	0.23545	2.64287	2	V
K16EC7E	17.6	0.15	K2175	345.257	104.276	169.208	0.706	0.01030	2.66682	12	X
K16EH4R	17.8	0.15	K2175	37.482	133.947	69.171	14.237	0.13867	2.71794	3	X
K16EJ2H	17.5	0.15	K2175	28.125	312.130	242.642	9.197	0.05649	2.78514	4	X
K16EJ4X	16.9	0.15	K2175	321.851	229.026	43.308	5.423	0.02962	2.77197	10	X
K16EL9V	17.6	0.15	K2175	43.040	327.682	232.598	8.106	0.11965	2.76955	5	X
K16EO0B	16.9	0.15	K2175	352.277	144.741	132.854	17.202	0.24806	2.77665	6	X
K16ET6P	17.9	0.15	K2175	209.810	223.191	179.168	7.558	0.01196	2.71984	6	X
K16F37E	17.2	0.15	K2175	348.061	98.336	188.950	15.381	0.27163	2.80490	5	X
K16F62C	17.0	0.15	K2175	300.262	195.198	142.999	15.658	0.22195	2.88539	6	X
K16F78G	17.5	0.15	K2175	340.774	161.327	100.024	4.621	0.16074	2.84589	4	X
K16F78O	18.0	0.15	K2175	55.313	125.249	55.958	4.615	0.03364	2.77866	6	X
K16F78P	17.7	0.15	K2175	307.168	142.381	134.655	10.019	0.00457	2.81193	7	X
K16G15Y	17.4	0.15	K2175	272.286	343.200	338.637	9.501	0.15567	2.84517	5	X
K16G37H	17.7	0.15	K2175	342.760	95.689	192.773	13.941	0.21528	2.74556	6	X
K16G93V	17.6	0.15	K2175	311.251	174.814	149.257	7.791	0.18190	2.75335	4	X
K16G96G	17.7	0.15	K2175	284.622	213.629	127.464	5.156	0.10842	2.75189	9	X
K16GA7K	18.2	0.15	K2175	305.966	188.782	120.043	1.548	0.05761	2.78489	4	X
K16GC4M	16.9	0.15	K2175	8.106	23.357	178.600	14.776	0.18081	3.06345	6	X
K16GF9N	18.1	0.15	K2175	44.524	85.814	115.634	5.018	0.13570	2.76737	4	X
K16GJ9A	17.2	0.15	K2175	35.342	77.284	172.164	14.125	0.09829	2.64865	9	X
K16GL0R	18.1	0.15	K2175	345.251	242.961	24.016	4.029	0.11280	2.79423	7	X
K16GP4K	19.7	0.15	K2175	88.177	342.032	179.706	22.911	0.04136	1.83094	2	X
K16GP6C	17.9	0.15	K2175	11.579	92.241	153.281	15.630	0.21687	2.85966	3	X
K16GP6E	16.3	0.15	K2175	258.736	230.635	94.082	17.923	0.21814	3.13211	5	X
K16GP8F	17.0	0.15	K2175	335.038	154.918	142.448	14.411	0.18681	2.77738	7	X
K16GR0Y	17.8	0.15	K2175	345.081	126.906	152.976	14.282	0.20012	2.74273	4	X
K16GR5Y	17.9	0.15	K2175	77.858	98.224	72.157	9.637	0.10590	2.81220	4	X
K16GT8K	17.6	0.15	K2175	336.279	185.356	85.357	9.486	0.18487	2.80141	5	X
K16GT9Q	17.7	0.15	K2175	336.932	165.558	118.222	21.709	0.10923	2.80049	5	X
K16GU2O	17.7	0.15	K2175	304.786	187.792	146.113	14.941	0.20250	2.74068	4	X
K16H32U	17.5	0.15	K2175	309.477	239.854	50.119	9.858	0.04084	2.90095	7	X
K16J24Q	18.8	0.15	K2175	143.228	227.899	220.912	19.522	0.15661	1.85421	4	X
K16J28S	20.6	0.15	K2175	345.497	118.461	194.442	4.998	0.32806	1.82279	3	X
K16J41T	17.1	0.15	K2175	256.481	231.221	147.670	15.788	0.15706	2.88194	6	X
K16J51S	18.5	0.15	K2175	348.836	122.954	158.220	14.791	0.22469	2.92169	2	X
K16L51Y	16.8	0.15	K2175	324.952	169.335	142.785	21.139	0.16394	2.92075	7	X
K16L64G	17.7	0.15	K2175	337.920	89.268	209.431	2.544	0.27429	3.05148	7	X
K16L86D	17.9	0.15	K2175	27.308	331.913	224.794	20.661	0.25216	2.98307	2	X
K16L87U	17.4	0.15	K2175	333.743	108.601	176.896	15.487	0.20980	3.15690	2	V
K16M07J	17.9	0.15	K2175	327.678	162.876	150.182	19.087	0.24309	3.04843	2	X
K16M07K	18.0	0.15	K2175	5.924	98.452	152.443	15.191	0.25281	3.04681	2	X
K16N02D	18.2	0.15	K2175	266.776	59.657	274.087	17.500	0.08237	1.95711	6	X
K16N09S	17.7	0.15	K2175	340.472	349.608	271.679	7.393	0.25655	3.14379	4	X
K16N09T	17.1	0.15	K2175	307.773	192.405	120.235	19.721	0.22175	3.15655	4	X

K16N25L	16.4	0.15	K2175	290.857	198.807	148.264	28.506	0.12320	3.09536	8	X
K16N66V	16.6	0.15	K2175	293.822	215.145	134.904	17.227	0.28767	3.14165	5	X
K16N75H	17.6	0.15	K2175	311.818	171.660	152.797	0.386	0.17310	3.07783	6	X
K16N91G	16.5	0.15	K2175	276.580	189.755	179.502	18.336	0.22136	3.14876	3	X
K16NE2B	17.1	0.15	K2175	2.017	112.954	135.802	19.558	0.05969	3.16164	3	X
K16O09L	19.1	0.15	K2175	27.339	70.372	171.241	22.659	0.09505	1.88607	3	X
K16O13F	16.9	0.15	K2175	302.957	187.990	149.865	17.015	0.22004	3.32997	2	X
K16PF4Q	16.7	0.15	K2175	300.524	211.606	116.462	17.803	0.21189	3.19123	5	X
K16PJ7H	17.3	0.15	K2175	330.368	176.777	117.273	19.414	0.18054	3.16185	2	X
K16PJ7J	17.3	0.15	K2175	330.877	111.452	188.078	16.177	0.21727	3.17807	2	X
K16PK1V	17.9	0.15	K2175	12.316	109.809	128.145	11.208	0.13983	3.23407	2	X
K16PK2B	17.8	0.15	K2175	339.280	157.636	127.480	18.122	0.18884	3.19433	2	X
K16PK2D	17.7	0.15	K2175	320.688	182.232	144.609	16.468	0.26831	3.15113	2	X
K16QC5Q	17.5	0.15	K2175	341.719	95.383	195.657	19.785	0.28660	3.16645	2	X
K16QC5T	18.4	0.15	K2175	352.924	114.311	173.774	23.484	0.46800	3.06590	2	X
K16T30K	16.4	0.15	K2175	311.601	167.645	223.695	28.476	0.17181	3.17324	5	X
K16U92D	18.0	0.15	K2175	217.676	177.385	53.859	2.299	0.02372	2.53403	7	V
K16V01Q	20.1	0.15	K2175	346.409	115.827	215.257	6.582	0.58978	2.98314	2	X
K16Y17L	14.1	0.15	K2175	296.461	184.119	141.885	30.975	0.07491	5.18513	8	X
K17A38V	14.6	0.15	K2175	1.198	178.136	75.502	21.793	0.08383	5.23109	4	X
K17B03A	18.2	0.15	K2175	324.738	182.556	190.625	22.308	0.09694	1.97987	9	X
K17B25E	18.1	0.15	K2175	327.284	352.159	283.610	6.957	0.11389	2.28016	7	X
K17B40O	18.6	0.15	K2175	32.226	166.040	34.741	2.288	0.12404	2.30937	5	X
K17B63H	18.6	0.15	K2175	41.168	133.077	76.461	7.102	0.12167	2.24023	7	X
K17B77S	19.1	0.15	K2175	84.307	250.152	257.748	5.364	0.14526	2.30579	5	X
K17B93X	17.7	0.15	K2175	331.671	109.485	263.118	19.805	0.15048	1.93598	7	X
K17B95A	18.4	0.15	K2175	85.928	21.060	128.557	7.201	0.18918	2.33072	3	X
K17BC6E	17.4	0.15	K2175	5.292	6.030	240.919	2.988	0.20177	2.32596	9	X
K17BE6H	19.0	0.15	K2175	62.576	104.737	71.151	5.580	0.12429	2.35842	2	X
K17BF3O	19.2	0.15	K2175	101.283	259.959	214.916	4.028	0.20446	2.34516	4	X
K17BG7N	14.8	0.15	K2175	302.472	170.502	151.956	23.266	0.06640	5.10990	5	X
K17BI0L	19.0	0.15	K2175	20.687	105.414	104.166	2.135	0.13112	2.37816	4	X
K17C03O	18.4	0.15	K2175	108.119	14.551	114.729	4.750	0.21509	2.30778	7	X
K17C19L	18.2	0.15	K2175	345.556	131.334	117.936	2.939	0.21469	2.36848	5	X
K17D32W	18.2	0.15	K2175	357.217	244.771	352.721	6.194	0.09103	2.40378	6	X
K17D47K	17.9	0.15	K2175	20.711	122.963	112.260	7.084	0.09219	2.29580	10	X
K17D62X	18.8	0.15	K2175	18.581	238.125	323.543	1.690	0.13602	2.41704	4	V
K17D81H	18.3	0.15	K2175	56.817	284.194	256.451	1.931	0.16405	2.35782	8	X
K17DA2P	18.4	0.15	K2175	87.523	275.432	246.570	2.651	0.06554	2.32490	6	X
K17DB4M	18.1	0.15	K2175	42.202	174.341	7.970	5.162	0.14467	2.42024	6	X
K17DD9G	18.8	0.15	K2175	25.868	80.132	120.767	3.875	0.07554	2.42952	4	X
K17DD9H	18.9	0.15	K2175	121.302	3.942	109.521	7.501	0.05039	2.31679	4	X
K17DD9M	18.8	0.15	K2175	29.173	167.889	36.273	4.068	0.01200	2.33665	5	X
K17E17K	18.3	0.15	K2175	357.935	154.290	114.085	7.210	0.22804	2.38953	6	X
K17E32E	18.3	0.15	K2175	22.284	149.590	83.896	7.492	0.12393	2.40000	5	X
K17F02K	17.8	0.15	K2175	7.020	66.462	150.456	29.719	0.36150	2.58145	3	X
K17F06P	19.1	0.15	K2175	84.318	14.823	141.142	4.297	0.13205	2.35549	6	X
K17F13A	18.0	0.15	K2175	284.903	271.634	57.742	8.046	0.14556	2.33504	7	X
K17F16T	18.1	0.15	K2175	247.255	22.404	332.988	5.615	0.09751	2.35038	10	X
K17F24C	18.1	0.15	K2175	12.486	6.073	236.136	5.507	0.06553	2.33781	4	X
K17F76Q	18.5	0.15	K2175	86.881	293.837	200.812	5.451	0.13910	2.44963	3	X
K17F78W	18.8	0.15	K2175	56.755	335.789	199.865	19.077	0.25932	2.43245	2	X
K17F83A	16.8	0.15	K2175	115.997	279.825	168.315	13.786	0.07507	2.54838	10	X
K17FA8R	17.8	0.15	K2175	14.219	202.347	16.253	8.201	0.20867	2.54476	2	X
K17FC5R	18.1	0.15	K2175	96.387	290.257	222.194	7.828	0.10483	2.38837	8	X
K17FC7D	18.7	0.15	K2175	79.637	281.515	220.552	0.352	0.16292	2.41280	6	X
K17FD0R	18.3	0.15	K2175	19.090	201.577	28.111	5.356	0.06479	2.38061	5	X
K17FH8G	18.7	0.15	K2175	78.325	94.414	63.833	4.619	0.13488	2.42703	7	X
K17FJ0O	18.4	0.15	K2175	345.939	54.713	193.773	1.215	0.13348	2.47055	3	X
K17G07J	18.3	0.15	K2175	8.239	88.491	130.192	28.805	0.35670	2.57390	2	X
K17G16U	18.5	0.15	K2175	338.578	232.343	59.084	5.434	0.19969	2.45182	5	X
K17G21S	18.8	0.15	K2175	345.229	104.334	151.855	7.846	0.20287	2.57314	4	X
K17H12L	16.9	0.15	K2175	7.126	173.353	40.311	12.817	0.11650	2.57744	9	X
K17H63O	18.3	0.15	K2175	10.787	186.089	90.094	8.418	0.21402	2.42363	4	X
K17H67J	17.7	0.15	K2175	93.847	9.915	147.885	14.917	0.04766	2.47512	5	X
K17H70U	17.8	0.15	K2175	302.446	77.949	239.426	11.112	0.28343	2.55693	6	X
K17H73U	18.5	0.15	K2175	29.350	160.806	28.919	5.217	0.19639	2.54667	2	X
K17J02X	17.5	0.15	K2175	355.093	43.810	231.785	15.456	0.31853	2.62304	4	X
K17J08E	18.0	0.15	K2175	311.788	187.256	128.313	16.711	0.16374	2.55262	2	X
K17J09F	17.8	0.15	K2175	94.967	61.671	72.712	17.227	0.03792	2.54303	4	X
K17J09L	17.9	0.15	K2175	311.029	194.409	75.372	14.528	0.14044	2.68453	2	X
K17K08H	18.5	0.15	K2175	55.842	117.145	69.392	11.092	0.18085	2.44706	5	X
K17K17D	18.1	0.15	K2175	14.733	213.557	332.878	2.819	0.06603	2.70484	5	V
K17K29G	17.7	0.15	K2175	352.672	252.909	308.531	12.018	0.11526	2.67801	5	X
K17K40N	18.6	0.15	K2175	354.611	79.617	171.899	27.257	0.42695	2.66506	2	X
K17K42C	18.4	0.15	K2175	298.099	178.894	147.038	5.742	0.21138	2.59892	3	X
K17K42X	18.3	0.15	K2175	314.977	223.432	90.388	2.785	0.19103	2.66127	2	X
K17M03W	17.0	0.15	K2175	344.548	107.028	179.105	29.665	0.23873	2.54921	6	X
K17M07A	19.7	0.15	K2175	338.871	102.151	207.986	26.863	0.42660	2.57069	3	X
K17N10D	18.0	0.15	K2175	322.379	186.102	109.466	5.102	0.14581	2.74601	2	V
K17N18D	18.4	0.15	K2175	324.054	161.826	149.116	15.706	0.16769	2.64261	2	X
K17O17N	17.3	0.15	K2175	234.036	109.936	241.234	6.211	0.13152	3.15334	5	X
K17O25P	18.4	0.15	K2175	328.827	79.334	221.202	10.520	0.21767	2.72007	4	X
K17O40F	17.0	0.15	K2175	280.957	356.872	315.246	8.779	0.05286	3.12084	5	X
K17O46O	17.5	0.15	K2175	16.482	96.065	171.300	12.633	0.24228	2.62302	7	X
K17O54R	17.5	0.15	K2175	289.076	104.640	210.429	1.258	0.07514	2.91166	6	X
K17O58G	17.0	0.15	K2175	336.292	179.061	155.713	15.629	0.15733	2.59701	10	X
K17O58Z	17.3	0.15	K2175	236.421	216.929	162.465	11.400	0.13665	3.02143	6	X
K17O71T	17.2	0.15	K2175	272.737	218.094	144.448	9.780	0.22382	2.98528	2	X
K17O74Y	17.1	0.15	K2175	279.498	326.847	355.496	9.158	0.28175	3.06413	4	X
K17O79D	17.6	0.15	K2175	274.898	173.503	166.269	7.163	0.23281	3.05797	2	V
K17O79N	16.7	0.15	K2175	302.176	340.119	321.273	15.473	0.18571	2.99521	6	X
K17O80K	18.0	0.15	K2175	309.564	153.248	158.694	14.208	0.21912	2.80831	2	V

K170A1Z	18.0	0.15	K2175	7.474	96.627	155.066	15.423	0.10784	2.70933	5	X
K170A6S	17.4	0.15	K2175	310.782	169.225	145.365	14.522	0.16680	2.77915	4	X
K170A7G	18.2	0.15	K2175	336.717	160.439	139.144	12.862	0.27365	2.61517	2	X
K170B1X	18.4	0.15	K2175	325.481	183.050	140.905	14.240	0.29088	2.64144	2	X
K170B3B	19.0	0.15	K2175	341.728	160.037	135.602	14.824	0.25798	2.63499	3	X
K170B5D	17.3	0.15	K2175	177.758	72.654	335.967	8.296	0.02643	3.05529	3	X
K17P21S	17.5	0.15	K2175	250.259	172.915	202.379	1.496	0.07609	2.88938	7	X
K17P33K	17.1	0.15	K2175	294.735	350.296	296.375	8.790	0.07367	3.01225	6	X
K17P34G	17.5	0.15	K2175	255.208	103.926	257.895	1.176	0.05833	2.82842	7	X
K17P41D	17.9	0.15	K2175	356.483	22.874	226.939	4.960	0.17093	2.75448	5	X
K17P42C	16.7	0.15	K2175	278.257	319.750	31.755	2.413	0.23157	3.06675	6	X
K17P52D	16.3	0.15	K2175	163.076	322.225	116.737	24.841	0.18088	3.15453	5	X
K17P53K	18.4	0.15	K2175	231.030	275.831	123.735	1.790	0.19789	2.98081	4	X
K17P53T	17.3	0.15	K2175	335.541	208.082	131.714	14.958	0.28135	2.63366	6	X
K17P53Z	17.2	0.15	K2175	233.060	238.657	155.788	16.457	0.09227	3.17672	6	X
K17P57T	17.7	0.15	K2175	308.267	143.084	181.499	25.952	0.15599	2.77439	2	V
K17Q00W	16.4	0.15	K2175	229.472	46.861	309.476	15.708	0.09645	3.15792	9	X
K17Q03Q	17.7	0.15	K2175	296.256	180.377	180.963	14.783	0.31684	2.70818	4	X
K17Q10S	17.1	0.15	K2175	192.006	257.289	137.307	16.683	0.11751	3.15746	5	X
K17Q14F	17.5	0.15	K2175	345.026	44.315	224.522	2.596	0.06738	2.79436	9	X
K17Q19H	16.9	0.15	K2175	73.375	52.027	153.251	14.353	0.12808	2.59180	9	X
K17Q20B	18.1	0.15	K2175	290.293	110.105	227.162	3.363	0.08130	2.76337	3	X
K17Q22B	17.6	0.15	K2175	317.554	230.079	76.157	1.752	0.05407	2.78269	9	X
K17Q57V	17.5	0.15	K2175	278.135	209.315	158.608	15.814	0.21925	2.83674	4	X
K17Q66E	17.8	0.15	K2175	290.488	184.844	164.319	21.073	0.29580	2.77081	2	X
K17Q83S	17.8	0.15	K2175	312.304	156.822	185.047	14.158	0.28141	2.69703	4	X
K17Q92T	17.5	0.15	K2175	337.638	73.974	185.207	4.345	0.06609	3.09119	6	X
K17Q99N	17.4	0.15	K2175	178.643	202.867	226.250	10.409	0.06403	3.04782	5	X
K17QA4Y	17.4	0.15	K2175	260.402	183.197	162.282	7.358	0.15679	3.19787	2	V
K17QA9H	17.1	0.15	K2175	135.935	273.787	182.582	16.581	0.09214	3.19321	6	X
K17QA9J	17.1	0.15	K2175	325.555	142.428	135.014	9.586	0.03509	3.16422	5	X
K17QB0A	17.6	0.15	K2175	282.920	150.274	189.588	14.874	0.15300	2.87116	2	X
K17R38K	17.6	0.15	K2175	282.650	312.383	17.782	2.254	0.08130	2.98985	4	X
K17R58V	17.4	0.15	K2175	305.905	120.006	174.876	0.312	0.05980	3.10211	3	X
K17R77R	17.0	0.15	K2175	173.932	23.944	45.085	9.809	0.06146	3.13765	5	X
K17RB8Q	16.9	0.15	K2175	225.168	265.505	141.382	22.353	0.23221	3.09597	4	X
K17RC9Q	17.6	0.15	K2175	354.768	199.788	45.575	2.740	0.04857	3.08509	4	X
K17RC9T	17.0	0.15	K2175	209.308	172.157	228.990	9.129	0.11341	3.09710	2	V
K17S09F	16.7	0.15	K2175	255.335	217.257	164.502	15.983	0.26407	2.96533	5	X
K17S19R	19.3	0.15	K2175	4.952	106.420	158.053	14.442	0.55989	2.60246	2	X
K17S52O	16.6	0.15	K2175	188.228	255.598	179.159	20.182	0.21288	3.16302	7	X
K17S54C	16.5	0.15	K2175	303.942	77.167	238.239	7.225	0.07962	2.94040	8	X
K17S57C	18.6	0.15	K2175	341.789	130.528	162.976	14.784	0.29743	2.76397	2	X
K17S64H	17.6	0.15	K2175	233.780	260.432	113.746	0.272	0.21936	3.10920	6	X
K17S97M	17.0	0.15	K2175	267.940	260.076	100.783	3.388	0.09780	2.96809	9	X
K17SA0Q	18.9	0.15	K2175	7.997	116.703	177.476	28.962	0.35880	2.55475	3	X
K17SA8Q	16.5	0.15	K2175	264.646	109.164	242.902	10.361	0.08050	3.18118	7	X
K17SB8L	17.3	0.15	K2175	353.000	111.253	217.052	27.781	0.23485	2.56673	8	X
K17SD2H	17.1	0.15	K2175	266.063	147.356	198.007	7.787	0.08312	3.17834	5	X
K17SD6K	17.8	0.15	K2175	263.117	299.046	78.590	4.904	0.23596	2.99736	3	X
K17SH8R	17.7	0.15	K2175	288.082	177.985	155.002	8.584	0.10132	3.02995	2	X
K17SI4Y	16.8	0.15	K2175	199.343	214.872	210.512	26.258	0.07958	3.13068	5	X
K17SK0W	17.1	0.15	K2175	283.990	268.490	74.766	9.653	0.08080	3.14094	6	X
K17SN0Q	16.9	0.15	K2175	310.630	255.182	46.853	25.958	0.12682	3.16430	2	V
K17SN1V	17.6	0.15	K2175	268.352	153.647	203.864	11.061	0.15204	3.05217	2	V
K17SN2B	17.5	0.15	K2175	280.430	96.648	245.919	0.295	0.14144	3.05987	2	V
K17SN9M	17.0	0.15	K2175	275.692	114.820	218.297	17.619	0.12619	3.12220	2	X
K17SO2X	17.4	0.15	K2175	279.201	178.992	153.351	12.104	0.09685	3.13533	3	X
K17SO4D	17.7	0.15	K2175	286.283	258.280	49.679	14.587	0.16494	3.23501	2	X
K17SP0N	16.8	0.15	K2175	332.168	41.273	245.782	9.034	0.11203	3.04699	5	X
K17T07Z	17.5	0.15	K2175	15.891	38.678	238.342	13.672	0.08340	2.56091	7	X
K17T25O	16.3	0.15	K2175	172.891	182.352	247.972	15.217	0.03207	3.17290	6	X
K17U09F	16.3	0.15	K2175	191.412	177.123	243.108	16.240	0.05491	3.20777	7	X
K17U45D	19.7	0.15	K2175	341.250	123.804	205.249	27.956	0.53605	2.61127	2	X
K17U46X	17.2	0.15	K2175	344.202	209.136	63.577	20.263	0.15053	3.20958	4	X
K17U56G	16.4	0.15	K2175	248.906	279.628	102.632	26.727	0.26691	3.17845	2	X
K17U60T	17.0	0.15	K2175	302.774	110.710	221.080	12.034	0.25104	3.10668	2	V
K17U75L	17.4	0.15	K2175	299.966	117.494	215.199	13.507	0.28782	3.04318	5	X
K18A04M	16.9	0.15	K2175	242.952	153.078	230.729	2.209	0.11434	3.15999	6	X
K18B19K	14.5	0.15	K2175	341.896	123.340	154.808	17.487	0.17309	5.25899	8	X
K18C01N	18.5	0.15	K2175	355.375	158.726	108.932	27.928	0.03910	1.87626	5	X
K18D03U	18.3	0.15	K2175	176.391	314.814	130.160	24.188	0.11591	1.88216	4	X
K18L18O	18.7	0.15	K2175	333.604	169.923	107.132	23.927	0.13918	2.25841	2	V
K18N00C	20.5	0.15	K2175	21.287	74.997	128.389	6.711	0.59842	2.06020	2	X
K18N18C	19.7	0.15	K2175	320.743	159.645	161.075	5.344	0.22699	2.20262	2	X
K18N20K	18.3	0.15	K2175	289.965	294.217	17.465	7.166	0.18721	2.41480	2	X
K18N24M	18.8	0.15	K2175	343.419	203.145	64.488	6.517	0.16204	2.28299	4	X
K18P15B	19.0	0.15	K2175	332.828	239.717	48.824	6.682	0.18665	2.26726	4	X
K18P43X	18.2	0.15	K2175	184.257	358.543	51.478	5.367	0.27064	2.56989	6	X
K18P57D	18.7	0.15	K2175	306.626	242.056	79.220	6.778	0.25253	2.35113	5	X
K18P57K	19.2	0.15	K2175	354.988	170.599	83.851	2.596	0.15493	2.32482	3	X
K18P60X	19.3	0.15	K2175	324.400	277.450	23.026	2.803	0.18649	2.25718	3	X
K18P61R	19.6	0.15	K2175	336.566	236.303	49.616	5.792	0.16953	2.20941	2	X
K18Q01E	17.9	0.15	K2175	223.477	179.543	208.438	9.685	0.47695	2.73866	2	V
K18Q13U	19.4	0.15	K2175	314.328	252.877	73.461	5.480	0.27297	2.30124	2	X
K18R15V	17.8	0.15	K2175	234.711	351.638	39.761	1.572	0.13064	2.46303	14	X
K18R16U	19.6	0.15	K2175	321.890	288.654	14.738	4.293	0.39016	2.25197	3	X
K18R22Y	16.9	0.15	K2175	265.413	169.766	168.369	7.417	0.25777	2.45376	13	X
K18R32A	17.9	0.15	K2175	274.501	268.572	101.161	5.298	0.25490	2.37420	6	X
K18T05X	20.8	0.15	K2175	338.562	200.764	111.995	1.777	0.44686	2.17497	4	X
K18T18G	17.8	0.15	K2175	230.310	179.158	207.661	11.634	0.19697	2.68088	5	X
K18T19G	19.2	0.15	K2175	300.828	180.179	168.628	2.184	0.25330	2.31285	4	X
K18T24B	18.8	0.15	K2175	224.627	190.451	192.884	9.822	0.29187	2.67639	2	X

K18T24E	17.6	0.15	K2175	165.551	195.711	223.152	12.261	0.26907	3.07138	3 X
K18U33X	17.2	0.15	K2175	161.086	308.115	123.873	12.902	0.14230	3.04280	7 X
K18V41O	16.6	0.15	K2175	94.634	255.388	240.074	12.262	0.16296	3.14760	6 X
K18V41S	17.2	0.15	K2175	189.386	188.586	240.308	10.867	0.07861	2.71891	6 V
K18V44R	17.5	0.15	K2175	297.294	352.395	322.482	5.690	0.21891	2.55399	7 X
K18V46T	16.7	0.15	K2175	338.990	342.508	264.141	7.345	0.04943	2.99955	10 X
K18V71W	17.2	0.15	K2175	250.543	324.173	51.156	8.827	0.15389	2.64516	7 X
K18V71X	17.0	0.15	K2175	216.246	301.286	65.066	9.770	0.14518	3.04126	5 X
K18V99B	18.3	0.15	K2175	228.032	170.453	230.053	3.116	0.16021	2.62136	2 V
K18VD2J	17.0	0.15	K2175	155.180	338.535	90.173	11.607	0.10348	3.18026	4 X
K18VD9Q	17.0	0.15	K2175	22.264	42.539	194.351	32.453	0.19024	2.60000	7 X
K18VE3L	18.1	0.15	K2175	277.602	231.939	129.547	17.608	0.19474	2.54076	3 X
K18W07S	17.5	0.15	K2175	253.890	282.750	75.849	12.523	0.21337	2.73230	6 X
K18W08C	17.0	0.15	K2175	212.766	335.266	54.229	10.805	0.11374	2.98517	4 X
K18X10G	16.7	0.15	K2175	86.037	90.596	69.875	14.769	0.10957	3.14709	6 X
K18X11H	16.9	0.15	K2175	191.210	317.471	81.426	12.730	0.09536	3.18009	2 V
K18X23F	17.7	0.15	K2175	195.736	344.861	84.937	3.280	0.20157	3.01040	4 V
K18Y10G	16.3	0.15	K2175	115.414	270.653	213.059	7.951	0.06560	3.95332	5 X
K19A46J	17.6	0.15	K2175	181.171	343.697	116.251	5.252	0.14376	3.05354	4 V
K19A54K	14.4	0.15	K2175	9.627	77.023	135.711	31.621	0.59241	11.06208	4 X
K19F16X	14.0	0.15	K2175	328.442	119.373	175.113	26.879	0.07011	5.30686	6 X
K19F17A	14.4	0.15	K2175	320.759	134.095	178.469	30.138	0.08390	5.26854	6 X
K19G12V	15.0	0.15	K2175	332.616	83.351	199.199	26.607	0.03576	5.28741	3 X
K19G13W	14.8	0.15	K2175	264.647	156.026	199.721	28.307	0.02490	5.24895	6 X
K19G43Q	16.8	0.15	K2175	86.245	61.822	206.962	10.236	0.05316	3.09226	8 V
K19G55F	14.3	0.15	K2175	34.985	44.102	189.102	32.587	0.03079	5.28049	6 X
K19G98L	14.7	0.15	K2175	321.674	112.628	192.105	24.675	0.08646	5.19210	5 X
K19L05H	20.5	0.15	K2175	340.108	269.232	120.753	2.999	0.70571	1.60293	2 X
K19P09Y	17.7	0.15	K2175	111.315	222.018	147.331	11.669	0.05167	2.71618	4 V
K19P36D	18.8	0.15	K2175	279.828	65.578	261.533	17.486	0.07247	1.87777	5 X
K19R10X	17.3	0.15	K2175	107.712	265.526	123.393	2.277	0.17911	3.09062	5 V
K19R70P	19.6	0.15	K2175	343.747	61.673	205.568	21.277	0.04851	1.87629	2 X
K19S61W	19.6	0.15	K2175	320.979	258.359	31.149	23.266	0.08984	1.90649	2 X
K19SE7N	17.6	0.15	K2175	73.780	89.291	356.877	8.451	0.27893	3.07518	5 V
K19SG2E	20.0	0.15	K2175	249.039	145.941	217.216	19.362	0.08295	1.89593	2 V
K19T03R	18.6	0.15	K2175	8.348	322.443	265.423	17.707	0.05256	1.95552	6 X
K19T19H	19.3	0.15	K2175	258.199	182.184	181.999	22.553	0.09163	1.92271	2 X
K19T42L	19.1	0.15	K2175	156.588	303.634	129.941	3.156	0.12263	2.20744	5 X
K19T66Y	17.4	0.15	K2175	73.892	126.683	4.719	31.915	0.19277	2.65191	4 X
K19T72E	19.3	0.15	K2175	28.864	15.679	214.904	20.950	0.03641	1.96280	3 X
K19U06D	19.7	0.15	K2175	13.427	71.373	185.685	22.175	0.09079	1.86576	3 X
K19U17U	19.4	0.15	K2175	268.812	294.500	63.600	23.633	0.08346	1.92296	5 X
K19U30F	18.4	0.15	K2175	105.054	271.868	189.413	12.643	0.20730	2.66092	5 X
K19U41F	18.2	0.15	K2175	130.735	324.512	77.217	5.268	0.10409	2.69557	4 V
K19U77B	19.4	0.15	K2175	130.500	274.515	219.309	20.562	0.03409	1.88448	3 X
K19U81G	18.0	0.15	K2175	104.838	46.313	58.421	29.057	0.24270	2.76881	3 X
K19U86R	19.3	0.15	K2175	314.890	66.963	234.793	19.070	0.05646	1.96690	3 X
K19UA5L	18.6	0.15	K2175	70.877	40.507	98.475	2.219	0.13253	2.36406	6 V
K19V11H	18.0	0.15	K2175	89.868	53.284	54.819	22.706	0.05654	2.63500	2 X
K19X04J	16.8	0.15	K2175	67.611	193.613	310.496	13.407	0.10778	3.12634	7 X
K19X05B	17.3	0.15	K2175	120.483	42.879	46.074	15.110	0.26733	3.16077	5 X
K19X12F	18.0	0.15	K2175	145.652	13.840	77.629	23.266	0.05593	2.58524	2 X
K19Y09O	17.0	0.15	K2175	42.930	63.040	136.065	18.126	0.19056	3.10380	5 X
K19Y18D	17.1	0.15	K2175	48.596	308.103	249.274	7.448	0.15014	3.12170	4 X
K19Y18R	17.3	0.15	K2175	79.739	333.786	175.418	9.445	0.05361	3.15392	2 X
K19Y29M	17.6	0.15	K2175	100.065	255.491	227.758	9.632	0.10057	3.11474	4 X
K19Y37R	18.1	0.15	K2175	79.948	36.951	115.569	12.984	0.09049	2.77545	4 X
K20A05X	16.9	0.15	K2175	105.346	319.567	171.258	18.838	0.19422	3.18776	5 X
K20A06K	18.9	0.15	K2175	83.161	291.103	245.058	2.417	0.00380	2.45364	5 X
K20A22D	17.4	0.15	K2175	31.076	326.272	235.307	15.933	0.13695	3.15898	2 X
K20B23O	16.2	0.15	K2175	58.359	304.518	210.821	11.385	0.19042	3.99390	3 X
K20B26C	16.1	0.15	K2175	11.594	260.724	295.816	7.746	0.10471	3.98254	5 X
K20B33D	17.3	0.15	K2175	88.278	357.678	153.830	16.225	0.17586	3.16108	4 X
K20B36O	18.2	0.15	K2175	140.882	228.627	219.810	1.925	0.07593	2.89971	4 X
K20B46M	18.2	0.15	K2175	307.839	245.690	46.986	4.347	0.03721	2.70782	5 X
K20B62Z	17.8	0.15	K2175	134.958	51.285	47.690	4.912	0.02349	2.75848	8 X
K20B63H	16.9	0.15	K2175	84.714	112.565	40.561	11.042	0.03578	3.11110	5 X
K20B73X	17.3	0.15	K2175	356.467	251.121	344.782	7.560	0.18635	3.16195	3 X
K20B76M	18.1	0.15	K2175	340.697	170.105	107.792	10.915	0.17914	2.58578	6 X
K20B78E	16.9	0.15	K2175	239.279	255.700	87.707	10.901	0.01738	3.34252	4 X
K20B78F	17.4	0.15	K2175	119.110	321.932	143.536	2.176	0.11550	3.14011	6 X
K20B78T	16.6	0.15	K2175	51.493	308.338	251.448	12.761	0.09511	3.11903	7 X
K20B78Z	16.8	0.15	K2175	274.690	252.195	66.832	9.913	0.05553	3.15200	3 X
K20B79N	18.1	0.15	K2175	16.784	110.253	130.932	17.264	0.11111	2.56059	4 X
K20B80D	18.0	0.15	K2175	284.750	203.724	111.049	5.361	0.04718	2.72079	7 X
K20B80E	17.9	0.15	K2175	336.666	164.616	115.130	14.213	0.10311	2.68081	5 X
K20D07P	17.3	0.15	K2175	41.663	48.651	162.713	19.569	0.02529	3.06904	4 X
K20D10A	17.4	0.15	K2175	87.357	277.768	241.060	3.708	0.09868	3.18188	4 X
K20D12K	16.4	0.15	K2175	65.091	16.454	151.259	3.347	0.12725	3.91097	5 X
K20F10Q	14.8	0.15	K2175	320.485	86.972	214.618	28.535	0.07293	5.27646	5 X
K20H03C	14.5	0.15	K2175	332.299	171.626	114.007	29.461	0.05628	5.17974	4 X
K20H57B	14.6	0.15	K2175	0.418	163.102	92.040	12.832	0.15291	5.20393	5 X
K20HB3Q	14.9	0.15	K2175	124.318	308.210	156.985	9.363	0.00733	5.12673	7 X
K20HB3V	14.4	0.15	K2175	295.142	109.530	217.130	30.295	0.06841	5.15273	4 X
K20M29P	18.4	0.15	K2175	40.607	91.340	292.584	6.044	0.13251	2.43242	5 V
K20S01G	19.8	0.15	K2175	133.704	232.505	231.984	24.693	0.50556	1.32736	4 X
K21E17R	18.3	0.15	K2175	78.336	102.765	27.657	23.048	0.20562	2.33914	5 X
K21E23Y	17.4	0.15	K2175	349.918	198.516	38.316	12.910	0.24045	3.14822	2 X
K21E38Q	17.6	0.15	K2175	11.684	15.764	202.915	17.937	0.08771	3.13323	4 X
K21E40H	18.7	0.15	K2175	347.305	62.748	207.945	1.478	0.10256	2.11342	3 X
K21F25N	17.9	0.15	K2175	9.251	275.355	301.686	6.162	0.15419	2.80730	4 X
K21F26E	17.5	0.15	K2175	357.879	230.835	0.422	16.874	0.17092	3.12034	4 X
K21F32Q	19.4	0.15	K2175	34.046	185.735	10.039	5.084	0.16457	2.31890	3 X

K21F36Y	17.2	0.15	K2175	286.871	137.919	166.246	10.365	0.07162	3.02490	4	X
K21F37J	18.4	0.15	K2175	136.332	10.141	96.338	24.868	0.06758	2.00558	6	X
K21G04M	21.8	0.15	K2175	11.559	323.953	295.148	5.245	0.35220	1.52587	3	V
K21G11Y	17.6	0.15	K2175	55.093	104.030	30.035	24.973	0.36983	3.13671	2	X
K21G20O	19.1	0.15	K2175	355.658	141.996	97.761	5.672	0.16441	2.21807	3	X
K21G27W	18.9	0.15	K2175	8.994	312.753	276.983	5.352	0.10144	2.23131	5	X
K21G39B	18.0	0.15	K2175	24.713	176.717	22.995	10.492	0.07961	2.66828	6	X
K21G45D	18.6	0.15	K2175	328.110	61.255	237.929	1.427	0.22828	2.33882	2	X
K21G46E	17.9	0.15	K2175	312.205	277.523	44.238	13.543	0.30830	2.56573	4	X
K21G46L	17.0	0.15	K2175	12.738	350.522	239.167	9.385	0.06216	3.12001	4	X
K21G47J	17.9	0.15	K2175	326.603	64.927	218.008	2.973	0.17114	2.62132	9	X
K21G49L	19.1	0.15	K2175	343.525	208.194	60.765	2.255	0.15913	2.36190	3	X
K21G49W	18.5	0.15	K2175	53.469	123.965	48.749	1.892	0.12240	2.32793	5	X
K21G54W	17.9	0.15	K2175	338.778	74.086	199.774	1.150	0.17984	2.60449	7	X
K21G56D	17.8	0.15	K2175	21.522	347.048	227.574	11.186	0.13069	2.57224	2	X
K21G56E	17.8	0.15	K2175	356.710	224.920	15.401	12.939	0.11186	2.70605	3	X
K21G56V	18.2	0.15	K2175	92.245	270.606	224.523	4.323	0.08986	2.63418	3	X
K21G72C	17.1	0.15	K2175	353.293	121.454	146.834	16.125	0.18344	3.04889	4	X
K21G75B	18.2	0.15	K2175	330.169	170.879	119.061	10.793	0.19787	2.78844	4	X
K21G76G	18.3	0.15	K2175	357.915	44.093	211.612	4.449	0.20310	2.59031	2	X
K21G76L	18.8	0.15	K2175	350.762	212.877	50.615	12.731	0.17212	2.38862	3	X
K21G76Y	18.8	0.15	K2175	67.777	94.372	58.796	2.139	0.13763	2.53715	4	X
K21G79O	20.0	0.15	K2175	357.912	149.818	94.094	6.746	0.25466	2.31158	3	X
K21G80W	18.8	0.15	K2175	327.910	58.722	230.906	0.705	0.17392	2.33903	5	X
K21G81J	17.7	0.15	K2175	308.962	112.105	172.848	10.982	0.03746	2.99846	3	X
K21G82F	18.4	0.15	K2175	59.573	75.078	78.584	9.468	0.13540	2.73083	3	X
K21G82V	18.5	0.15	K2175	347.544	46.057	231.963	10.579	0.22797	2.44290	2	X
K21G83L	17.7	0.15	K2175	248.803	175.133	166.219	11.569	0.07720	3.05443	5	X
K21G88S	18.0	0.15	K2175	104.478	327.776	150.908	7.270	0.13611	2.62044	7	X
K21G89U	17.2	0.15	K2175	16.536	30.730	172.121	3.734	0.14252	3.09284	3	X
K21G90C	17.3	0.15	K2175	17.772	224.843	327.060	13.616	0.17825	3.04398	4	X
K21G90D	17.7	0.15	K2175	347.687	67.380	175.792	11.798	0.12031	3.05126	4	X
K21G90G	17.4	0.15	K2175	324.458	161.814	115.302	10.212	0.11291	3.10291	5	X
K21G90J	17.7	0.15	K2175	138.678	276.284	155.787	2.495	0.04899	2.86717	4	X
K21G90T	17.2	0.15	K2175	336.642	60.123	212.280	2.736	0.15833	3.06562	6	X
K21G91T	18.0	0.15	K2175	331.573	256.323	41.179	13.260	0.26726	2.66008	4	X
K21G99G	19.2	0.15	K2175	4.019	180.447	53.670	3.348	0.14082	2.39637	3	X
K21GA1A	18.3	0.15	K2175	6.578	84.393	143.950	4.002	0.13322	2.74967	2	X
K21GB0H	17.8	0.15	K2175	51.919	303.162	237.342	10.421	0.12621	2.64331	5	X
K21GB3V	17.0	0.15	K2175	291.178	215.222	89.240	11.798	0.06206	3.12153	4	X
K21GB6T	19.2	0.15	K2175	12.672	131.919	101.220	4.671	0.13649	2.40064	3	X
K21H07R	18.0	0.15	K2175	55.577	110.433	58.599	19.133	0.23040	2.75940	3	X
K21H07T	18.2	0.15	K2175	326.036	53.014	239.974	6.237	0.11362	2.33762	4	X
K21H07W	18.7	0.15	K2175	319.841	244.068	60.295	2.626	0.12889	2.11820	4	X
K21H09B	18.3	0.15	K2175	5.553	178.540	68.413	6.314	0.12886	2.55875	5	X
K21H09E	18.2	0.15	K2175	18.227	351.482	236.382	7.304	0.16318	2.69972	3	X
K21H10J	18.7	0.15	K2175	347.604	55.667	202.826	1.722	0.15690	2.66473	4	X
K21H10M	18.3	0.15	K2175	326.475	132.852	148.867	3.863	0.18221	2.75484	4	X
K21H11N	18.7	0.15	K2175	348.517	270.202	359.074	1.992	0.15364	2.34923	5	X
K21H11Z	17.3	0.15	K2175	326.853	217.195	65.547	4.950	0.07921	3.18956	3	X
K21H12C	17.1	0.15	K2175	349.571	322.776	259.323	12.213	0.07536	3.05821	3	X
K21H12L	14.7	0.15	K2175	315.462	196.240	105.143	10.717	0.12526	5.24959	6	X
K21H13X	18.4	0.15	K2175	334.687	74.299	219.419	10.671	0.20018	2.66704	3	X
K21H15U	17.5	0.15	K2175	341.635	263.381	15.608	6.293	0.26552	3.02978	4	X
K21J07Y	17.4	0.15	K2175	334.905	131.647	154.627	15.587	0.15082	3.16813	3	X
K21J14E	17.5	0.15	K2175	326.777	164.023	148.989	17.979	0.25201	2.78657	6	X
K21J14F	18.0	0.15	K2175	312.010	199.851	121.538	17.929	0.15653	2.53965	5	X
K21J14H	18.3	0.15	K2175	18.339	83.221	153.474	14.257	0.12358	2.56164	4	X
K21J14R	17.9	0.15	K2175	49.144	7.843	195.244	16.608	0.07068	2.54856	4	X
K21J15M	17.3	0.15	K2175	8.963	110.452	116.299	6.780	0.08540	3.24193	4	X
K21J16A	19.8	0.15	K2175	335.172	191.116	95.427	5.666	0.20104	2.19245	2	X
K21J17H	18.2	0.15	K2175	25.822	330.268	247.173	6.641	0.17121	2.57989	4	X
K21J20S	17.8	0.15	K2175	344.094	181.429	101.008	8.743	0.17567	2.56076	4	X
K21J22N	14.4	0.15	K2175	271.664	200.141	151.427	21.436	0.10465	5.32203	8	X
K21J23Z	19.3	0.15	K2175	356.411	220.906	30.320	0.738	0.17460	2.41752	3	X
K21J25T	16.5	0.15	K2175	260.300	231.263	115.253	13.137	0.14856	3.04605	9	X
K21K04V	18.1	0.15	K2175	20.691	94.641	136.388	16.615	0.17808	3.14687	3	X
K21K10F	17.6	0.15	K2175	309.318	215.800	104.708	13.330	0.13976	3.05531	2	X
K21K10T	17.8	0.15	K2175	19.094	39.025	195.168	19.343	0.20773	3.15794	2	X
K21L03Z	17.1	0.15	K2175	282.021	173.938	190.078	17.098	0.22374	3.15769	3	X
K21L04R	14.5	0.15	K2175	280.342	217.329	129.811	22.423	0.11557	5.16761	6	X
K21L10B	18.1	0.15	K2175	277.522	223.847	121.544	7.044	0.05545	2.73170	4	X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K07C68P	17.8	0.15	K2175	73.536	277.998	323.794	7.167	0.16981	2.59797	23	V
K16B00E	23.5	0.15	K2175	68.513	199.011	314.754	9.697	0.46926	1.81938	166	X
K18X31K	17.2	0.15	K2175	186.106	355.088	74.664	17.509	0.18701	3.07816	25	V
K19R69U	19.1	0.15	K2175	179.081	11.061	351.105	5.611	0.15761	2.34439	49	V
K21C05T	19.0	0.15	K2175	29.790	125.195	70.364	37.683	0.49142	2.20526	242	V
K21C29J	18.6	0.15	K2175	1.457	247.304	338.134	12.340	0.21365	2.58362	79	X
K21D00X	24.5	0.15	K2175	34.757	56.164	174.457	8.465	0.18413	1.24266	130	X
K21E38V	19.3	0.15	K2175	50.668	159.919	13.296	1.782	0.11956	2.39942	50	X
K21E38X	17.7	0.15	K2175	11.134	137.167	65.454	10.098	0.11667	3.08206	62	X
K21E44D	18.2	0.15	K2175	30.926	321.331	234.086	7.948	0.29469	3.00807	91	X
K21F24X	17.2	0.15	K2175	74.595	261.301	231.054	8.736	0.05525	3.18461	26	X
K21F39G	17.5	0.15	K2175	3.947	17.088	193.920	27.201	0.13509	3.21284	50	X
K21F39J	19.0	0.15	K2175	354.670	185.824	62.740	8.173	0.28916	2.63584	51	X
K21G07Q	24.9	0.15	K2175	13.629	77.366	183.133	5.501	0.21831	1.33277	85	X
K21G13E	18.3	0.15	K2175	19.184	156.184	115.307	29.654	0.47157	2.18642	78	X
K21G16N	21.7	0.15	K2175	198.451	215.024	211.797	42.742	0.19351	1.18865	75	X
K21G16X	21.6	0.15	K2175	2.647	118.208	154.378	5.821	0.54917	2.65591	73	X
K21G29S	18.7	0.15	K2175	18.332	7.009	198.260	11.642	0.14703	3.05506	28	X

K21G44C	18.1	0.15	K2175	14.388	25.834	222.592	5.146	0.12387	2.61342	65	X
K21G58Y	19.7	0.15	K2175	20.198	200.119	7.652	6.257	0.19686	2.30669	30	X
K21G59D	20.2	0.15	K2175	350.617	155.873	135.638	10.691	0.36092	2.22736	81	X
K21G66B	19.7	0.15	K2175	12.692	55.023	179.086	6.711	0.22097	2.28565	53	X
K21G66O	19.6	0.15	K2175	293.282	266.906	54.233	22.811	0.02158	1.85429	62	X
K21G70E	19.3	0.15	K2175	343.827	144.425	119.496	7.117	0.10228	2.45019	53	X
K21G76X	17.5	0.15	K2175	2.107	157.018	68.895	19.086	0.06788	3.08750	30	X
K21G79K	18.2	0.15	K2175	20.664	42.242	190.297	17.306	0.07789	2.56983	78	X
K21G80B	19.7	0.15	K2175	46.973	115.102	65.394	2.424	0.14910	2.34077	37	X
K21G81K	17.3	0.15	K2175	317.416	297.338	331.064	9.097	0.04707	3.06364	24	X
K21G81S	19.2	0.15	K2175	65.130	275.863	218.542	27.249	0.35009	2.61784	29	X
K21G82S	18.0	0.15	K2175	294.570	176.877	131.589	11.620	0.11157	2.88630	28	X
K21G82T	19.8	0.15	K2175	45.359	57.257	119.671	6.093	0.15348	2.43545	23	X
K21G83R	18.5	0.15	K2175	24.516	140.682	58.053	5.980	0.09140	2.80461	28	X
K21G85Q	19.4	0.15	K2175	48.018	44.012	142.923	0.950	0.08252	2.25493	34	X
K21G88L	19.1	0.15	K2175	0.555	177.291	63.256	15.062	0.20240	2.58152	53	X
K21G88P	17.6	0.15	K2175	118.891	59.205	48.500	9.725	0.04848	3.16064	37	X
K21G88X	18.7	0.15	K2175	301.624	236.090	55.503	5.468	0.07192	2.68616	24	X
K21G89A	19.8	0.15	K2175	89.331	282.850	200.627	21.088	0.07968	1.95941	29	X
K21G94H	18.3	0.15	K2175	321.582	51.576	204.066	3.751	0.02549	2.69567	11	X
K21G98U	18.7	0.15	K2175	31.792	265.960	264.223	10.249	0.28374	2.75158	33	X
K21G99Q	19.2	0.15	K2175	355.418	131.933	113.920	9.614	0.21659	2.46175	33	X
K21H00S	19.1	0.15	K2175	356.285	46.086	262.396	12.171	0.81017	4.19558	78	X
K21H00V	20.4	0.15	K2175	14.718	35.824	193.921	9.857	0.42602	2.67614	71	X
K21H12K	17.5	0.15	K2175	330.539	168.778	187.070	47.044	0.68459	3.28365	71	X
K21J05T	20.8	0.15	K2175	354.168	207.804	102.527	14.437	0.60455	2.63852	47	X
K21J08R	22.7	0.15	K2175	22.446	344.675	245.445	10.340	0.34430	1.65682	44	X
K21J09F	22.6	0.15	K2175	351.943	101.114	203.423	5.758	0.44606	2.02985	46	X
K21J11J	19.0	0.15	K2175	330.928	68.478	221.818	16.018	0.15270	2.54485	41	X
K21J12J	20.1	0.15	K2175	20.715	150.897	60.951	4.383	0.13088	2.70972	12	X
K21J13U	17.7	0.15	K2175	299.178	248.511	73.736	10.814	0.21262	2.75015	7	X
K21J14X	21.5	0.15	K2175	357.364	200.327	63.447	2.721	0.30634	2.17007	10	X
K21J15H	18.0	0.15	K2175	269.994	226.154	122.524	6.986	0.13568	2.76073	27	X
K21J15O	20.3	0.15	K2175	6.927	90.623	156.934	9.533	0.37389	2.71049	31	X
K21J15S	19.5	0.15	K2175	329.546	120.617	177.608	6.566	0.22492	2.35014	35	X
K21J15W	20.3	0.15	K2175	3.303	23.439	218.448	6.607	0.15653	2.32513	6	X
K21J16H	18.8	0.15	K2175	350.301	192.031	81.235	7.815	0.19982	2.32077	33	X
K21J17K	19.2	0.15	K2175	8.274	165.712	81.535	6.739	0.20938	2.31647	33	X
K21J17T	18.2	0.15	K2175	227.073	160.106	210.888	5.694	0.03265	2.67792	10	X
K21J17V	18.6	0.15	K2175	130.503	256.092	201.652	3.911	0.07429	2.76394	10	X
K21J24G	19.0	0.15	K2175	25.189	107.053	122.328	21.999	0.16556	2.21686	51	X
K21J28Q	18.5	0.15	K2175	7.595	117.727	125.852	8.923	0.09828	2.60403	35	X
K21J30U	17.3	0.15	K2175	342.493	23.324	246.760	14.164	0.21600	3.20941	34	X
K21J30X	18.3	0.15	K2175	306.262	248.134	66.221	15.242	0.13858	2.62475	42	X
K21J31J	18.3	0.15	K2175	344.049	61.816	221.074	27.040	0.11822	2.59104	44	X
K21J31N	18.0	0.15	K2175	338.506	115.785	169.136	15.191	0.16688	3.19782	50	X
K21J31O	18.0	0.15	K2175	328.047	148.163	156.523	15.179	0.22295	3.15236	50	X
K21J33L	19.3	0.15	K2175	310.392	222.114	94.959	4.860	0.18484	2.25912	39	X
K21J36X	18.3	0.15	K2175	347.174	118.162	158.401	16.603	0.20770	3.06157	50	X
K21J37B	19.3	0.15	K2175	17.153	71.860	162.556	13.449	0.21958	2.61671	50	X
K21J37H	18.0	0.15	K2175	346.300	129.567	149.421	17.266	0.20231	3.14843	45	X
K21J38Y	15.2	0.15	K2175	14.576	76.215	157.670	21.359	0.02982	5.14376	50	X
K21J39J	15.6	0.15	K2175	302.075	210.657	102.059	32.304	0.07143	5.21060	50	X
K21K02L	20.6	0.15	K2175	358.343	54.162	247.798	5.817	0.49325	2.12303	36	X
K21K06Z	17.9	0.15	K2175	0.952	86.664	172.044	15.244	0.18881	3.13774	40	X
K21K07W	18.6	0.15	K2175	306.514	101.484	222.524	11.396	0.14907	2.62889	29	X
K21K10G	19.7	0.15	K2175	2.342	20.652	271.292	15.791	0.35472	1.51865	27	X
K21K10L	18.5	0.15	K2175	321.959	109.612	199.382	16.175	0.15107	2.60896	38	X
K21K10W	15.2	0.15	K2175	347.415	69.375	203.589	26.199	0.06206	5.26872	38	X
K21K11C	19.2	0.15	K2175	4.036	91.033	165.310	12.770	0.16435	2.66069	38	X
K21K11T	18.2	0.15	K2175	356.057	65.975	204.025	20.373	0.22919	3.07765	38	X
K21L00C	26.0	0.15	K2175	56.032	328.837	243.191	5.628	0.13186	1.14966	27	X
K21L00D	23.0	0.15	K2175	350.593	183.014	145.187	6.094	0.63297	2.30542	45	X
K21L00O	22.2	0.15	K2175	319.148	153.839	236.834	5.595	0.63245	1.07792	25	X
K21L01D	20.1	0.15	K2175	358.405	183.607	110.829	39.280	0.64782	2.80519	59	X
K21L01S	18.8	0.15	K2175	245.840	269.775	119.387	25.420	0.10695	1.89239	24	X
K21L02B	21.0	0.15	K2175	2.827	118.508	170.548	8.110	0.51181	2.42136	22	X
K21L02E	23.2	0.15	K2175	9.604	12.965	246.206	7.197	0.39785	1.72626	20	X
K21L02G	22.0	0.15	K2175	3.389	16.385	258.477	19.491	0.39132	1.75073	21	X
K21L02H	26.0	0.15	K2175	16.328	5.341	247.466	5.573	0.29257	1.48997	20	X
K21L02K	20.2	0.15	K2175	355.106	25.186	285.496	7.972	0.51937	2.33668	21	X
K21L03G	23.1	0.15	K2175	357.844	32.642	261.133	6.324	0.60261	2.61042	19	X
K21L03N	21.1	0.15	K2175	355.858	46.665	256.983	28.810	0.56648	2.27927	19	X
K21L03W	23.0	0.15	K2175	160.987	213.875	254.514	16.425	0.30229	0.82426	18	X
K21L03X	22.3	0.15	K2175	246.762	147.578	254.730	9.160	0.16394	1.08545	18	X
K21L04A	20.8	0.15	K2175	342.391	86.244	240.663	25.852	0.51241	2.58540	25	X
K21L05C	24.3	0.15	K2175	9.085	357.023	256.655	9.948	0.50077	2.11148	16	X
K21L05J	22.1	0.15	K2175	329.748	244.906	124.966	16.008	0.58125	1.38959	17	X
K21L06B	21.9	0.15	K2175	343.414	84.617	272.330	54.497	0.59061	2.00934	16	X
K21L06D	27.2	0.15	K2175	263.250	288.416	100.927	0.771	0.10077	0.98975	25	X
K21L06F	28.5	0.15	K2175	212.423	172.417	260.531	2.807	0.03868	0.98404	15	X
K21L07A	19.8	0.15	K2175	309.508	220.255	105.226	27.726	0.09376	1.88698	24	X
K21L07E	25.3	0.15	K2175	351.472	225.123	95.038	5.941	0.58471	2.19925	14	X
K21L07H	18.1	0.15	K2175	351.270	117.850	161.207	16.278	0.22850	3.14519	37	X
K21L07V	24.6	0.15	K2175	25.136	319.824	263.682	32.589	0.41615	1.65012	12	X
K21L08W	20.4	0.15	K2175	338.472	163.918	266.328	25.708	0.84765	1.83835	14	X
K21L08Y	17.5	0.15	K2175	305.079	204.820	125.787	22.163	0.15755	2.77403	25	X
K21L09H	19.9	0.15	K2175	344.766	30.444	294.030	6.333	0.44894	2.16534	14	X
K21L09J	23.9	0.15	K2175	350.285	28.353	269.807	16.241	0.18397	1.30283	13	X
K21L16L	17.9	0.15	K2175	3.064	71.043	187.307	15.944	0.18189	3.22384	25	X
K21L16N	19.3	0.15	K2175	5.900	127.089	124.794	6.218	0.10085	2.30294	35	X
K21L16T	18.7	0.15	K2175	14.470	73.896	164.199	14.458	0.17198	2.70830	25	X
K21L17B	19.0	0.15	K2175	338.033	135.334	160.525	13.189	0.21040	2.53740	25	X

K21L17E	17.7	0.15	K2175	24.322	23.217	210.875	22.997	0.08382	3.12012	25	X
K21L17H	19.3	0.15	K2175	16.094	355.214	237.838	1.594	0.13615	2.33550	33	X
K21L17R	19.5	0.15	K2175	339.200	124.097	171.106	12.110	0.22554	2.33421	25	X
K21M00A	23.4	0.15	K2175	1.147	174.361	102.528	14.673	0.53120	2.36405	11	X
K21M00C	26.0	0.15	K2175	344.830	224.718	93.083	2.006	0.37998	1.56123	11	X
K21M00J	20.4	0.15	K2175	140.269	20.800	122.847	40.116	0.19544	0.89235	34	X
K21M00S	23.9	0.15	K2175	350.981	282.291	88.428	4.435	0.80643	2.71033	10	X
K21M00X	21.9	0.15	K2175	14.316	236.544	267.329	18.315	0.88246	2.57937	9	X
K21M01E	23.9	0.15	K2175	35.155	143.937	96.529	15.898	0.10622	1.12801	8	X
K21M01G	18.2	0.15	K2175	344.180	183.625	174.084	24.324	0.65756	2.78997	8	X
K21M01K	21.4	0.15	K2175	164.792	198.994	274.019	19.274	0.28813	0.80763	4	X

New observations:

J83L00C	C2021	06	27.20391413	57	14.23	-04	28	35.8	18.57	GVEM093703	
J83L00C	C2021	06	27.20977713	57	12.40	-04	28	24.7	18.81	GVEM093703	
J83L00C	C2021	06	27.22150413	57	08.51	-04	28	01.4		VEM093703	
K01Y03U	C2021	05	18.38057413	49	17.96	+09	25	01.2	18.94	oVEM093T08	
K01Y03U	C2021	05	18.40816113	49	19.91	+09	23	29.8	18.84	oVEM093T08	
K01Y03U	C2021	05	18.41184713	49	20.17	+09	23	17.9	18.66	oVEM093T08	
K01Y03U	C2021	05	18.42058913	49	20.77	+09	22	49.3	19.04	oVEM093T08	
K01Y03U	C2021	05	20.40899413	52	02.34	+07	36	46.2	18.56	oVEM093T05	
K01Y03U	C2021	05	20.43336713	52	04.07	+07	35	30.5	18.87	oVEM093T05	
K01Y03U	C2021	05	20.45095113	52	05.30	+07	34	35.6	18.85	oVEM093T05	
K01Y03U	C2021	05	20.46512813	52	06.35	+07	33	51.7	19.19	oVEM093T05	
K03Y01M	C2021	05	17.29077211	12	37.86	-25	19	23.5	19.24	oVEM093T08	
K03Y01M	C2021	05	17.29354311	12	38.30	-25	19	23.7	19.00	oVEM093T08	
K03Y01M	C2021	05	17.29907211	12	39.15	-25	19	22.0	19.29	oVEM093T08	
K03Y01M	C2021	05	17.31152811	12	41.01	-25	19	18.5	19.01	oVEM093T08	
K03Y17P	C2021	05	30.35727314	01	12.26	+08	09	22.8	18.38	oVEM093T08	
K03Y17P	C2021	05	30.36057114	01	12.79	+08	09	15.3	18.23	oVEM093T08	
K03Y17P	C2021	05	30.36751514	01	13.90	+08	08	59.2	18.15	oVEM093T08	
K03Y17P	C2021	05	30.37953614	01	15.79	+08	08	31.1	18.27	oVEM093T08	
K06M01W	C2021	06	26.41558415	56	28.25	-03	57	18.3	17.58	oVEM093T08	
K06M01W	C2021	06	26.41881415	56	28.41	-03	57	43.0	17.54	oVEM093T08	
K06M01W	C2021	06	26.42527915	56	28.76	-03	58	32.4	17.41	oVEM093T08	
K06M01W	C2021	06	26.43772215	56	29.42	-04	00	07.7	17.44	oVEM093T08	
K06M01W	KC2021	06	26.93075	15	57	05.04	-05	03	33.3	17.4	GVEM093L63
K06M01W	KC2021	06	26.94493	15	57	05.88	-05	05	22.4	17.6	GVEM093L63
K06M01W	C2021	06	27.31938215	57	32.42	-05	53	34.4	17.23	GVEM093703	
K06M01W	C2021	06	27.32463315	57	32.68	-05	54	15.5	17.66	GVEM093703	
K06M01W	C2021	06	27.32989015	57	33.00	-05	54	55.5	16.64	GVEM093703	
K06M01W	C2021	06	27.33513615	57	33.29	-05	55	36.7	17.32	GVEM093703	
K10X11J	KC2021	06	26.91997518	04	20.93	-14	20	13.9	17.9	GVEM093G17	
K10X11J	KC2021	06	26.92727218	04	20.88	-14	19	04.9	18.1	GVEM093G17	
K10X11J	KC2021	06	26.93456818	04	20.82	-14	17	55.5	17.8	GVEM093G17	
K11F29R	KC2021	06	27.29608	17	03	33.00	+09	17	45.8		oEM093691
K11F29R	KC2021	06	27.30332	17	03	29.87	+09	18	21.3	17.8	RoEM093691
K11F29R	KC2021	06	27.31056	17	03	26.76	+09	18	56.9	18.0	RoEM093691
K11UP5R	C2021	06	27.32046617	30	18.76	+29	23	17.7	19.90	GVEM093G96	
K11UP5R	C2021	06	27.32608917	30	18.48	+29	23	26.8	19.75	GVEM093G96	
K11UP5R	C2021	06	27.33172417	30	18.18	+29	23	36.1	20.29	GVEM093G96	
K11UP5R	C2021	06	27.33735017	30	17.92	+29	23	45.6	20.17	GVEM093G96	
K12B77B	C2021	06	27.40567022	32	48.65	+27	36	20.1	19.97	GVEM093G96	
K12B77B	C2021	06	27.41088322	32	50.16	+27	36	31.6		VEM093G96	
K12B77B	C2021	06	27.41608322	32	51.84	+27	36	42.4	19.73	GVEM093G96	
K12B77B	C2021	06	27.42129222	32	53.44	+27	36	54.0	19.93	GVEM093G96	
K12L07T	C2021	06	27.31764817	35	47.95	+24	58	34.3	20.06	GVEM093G96	
K12L07T	C2021	06	27.32328017	35	46.55	+24	58	14.7	19.64	GVEM093G96	
K12L07T	C2021	06	27.32890717	35	45.14	+24	57	54.8	20.00	GVEM093G96	
K12L07T	C2021	06	27.33453117	35	43.71	+24	57	35.2	19.99	GVEM093G96	
K13V14A	C2021	06	27.40567022	37	53.94	+26	42	36.1	20.84	GVEM093G96	
K13V14A	C2021	06	27.41088322	37	54.89	+26	42	54.2	20.46	GVEM093G96	
K13V14A	C2021	06	27.41608322	37	55.79	+26	43	13.3	20.31	GVEM093G96	
K13V14A	C2021	06	27.42129222	37	56.73	+26	43	32.1	20.46	GVEM093G96	
K13V14A	KC2021	06	27.42855322	37	58.01	+26	43	58.6	20.57	GVEM093I52	
K13V14A	KC2021	06	27.43410522	37	59.02	+26	44	18.8	20.34	GVEM093I52	
K13V14A	KC2021	06	27.44661922	38	01.26	+26	45	04.4	20.01	GVEM093I52	
K14K91B	C2021	05	15.40460514	42	10.221	-10	08	05.08	21.38	wUEM093F51	
K14K91B	C2021	05	15.41667414	42	09.060	-10	07	55.73	21.35	wUEM093F51	
K14K91B	C2021	05	15.42871214	42	07.925	-10	07	46.01	21.32	wUEM093F51	
K14X03J	C2021	06	26.48954022	25	17.96	-20	52	00.2	17.64	oVEM093T08	
K14X03J	C2021	06	26.49184622	25	15.72	-20	52	10.1	18.02	oVEM093T08	
K14X03J	C2021	06	26.49460722	25	12.88	-20	52	21.7	17.96	oVEM093T08	
K14X03J	C2021	06	26.50520422	25	02.32	-20	53	05.9	17.50	oVEM093T08	
K15Q03M	C2021	06	27.44551500	11	33.76	+25	26	43.5	22.01	GVEM093G96	
K15Q03M	C2021	06	27.45025000	11	34.25	+25	26	48.0	21.85	GVEM093G96	
K15Q03M	C2021	06	27.45591700	11	34.89	+25	26	53.9		VEM093G96	
K15Q03M	C2021	06	27.46236300	11	35.68	+25	26	58.2	20.99	GVEM093G96	
K16B00E	C2016	02	09.65558616	20	11.957	-48	55	01.26	19.76	GVEM093T12	
K16B00E	C2016	02	09.65611616	20	12.087	-48	55	04.86	19.87	GVEM093T12	
K16B00E	C2016	02	09.65681716	20	12.253	-48	55	09.41	20.17	GVEM093T12	
K16J28S	KC2021	06	27.42579118	50	15.92	-00	05	53.5	19.34	GVEM093I52	
K16J28S	KC2021	06	27.43133218	50	15.97	-00	05	48.7	19.63	GVEM093I52	
K16V01Q	KC2021	06	27.26192017	05	06.80	-07	37	19.8	21.28	GVEM093I52	
K16V01Q	KC2021	06	27.26730117	05	06.49	-07	37	16.2	20.76	GVEM093I52	
K17S19R	KC2021	06	25.98082	19	15	23.98	+42	42	07.7	18.0	GVEM093B72
K17S19R	KC2021	06	25.99213	19	15	26.04	+42	41	50.0	18.3	GVEM093B72
K17S19R	KC2021	06	25.99532	19	15	26.60	+42	41	45.2	18.0	GVEM093B72
K17U45D	C2021	06	27.25322215	44	26.45	+29	22	33.9	21.49	GVEM093G96	
K17U45D	C2021	06	27.25888415	44	26.23	+29	22	39.0	21.78	GVEM093G96	
K17U45D	C2021	06	27.26452615	44	25.98	+29	22	41.8	21.59	GVEM093G96	
K17U45D	C2021	06	27.27017315	44	25.77	+29	22	45.1	21.91	GVEM093G96	
K18N00C	KC2021	06	26.85147	19	26	00.84	+08	25	17.1	16.9	VqEM093L47

K18N00C KC2021 06 26.87172 19 25 58.45 +08 22 38.0
K18N00C KC2021 06 26.89175 19 25 56.08 +08 20 05.2
K18N00C KC2021 06 26.95997219 25 47.65 +08 11 04.4
K18N00C KC2021 06 26.96460219 25 47.05 +08 10 29.0
K18N00C KC2021 06 26.97956919 25 44.69 +08 08 42.8
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K18T05X C2021 05 15.40008914 28 21.456-10 30 20.16
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K19L05H KC2021 06 27.41960100 51 17.90 +11 53 13.9
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K19L05H KC2021 06 27.42306300 51 22.70 +11 53 39.4
K20S01G C2021 06 27.27280016 32 27.461+03 48 55.94
K20S01G C2021 06 27.28384116 32 26.496+03 48 58.27
K20S01G C2021 06 27.29493216 32 25.553+03 49 00.45
K20S01G C2021 06 27.30602716 32 24.594+03 49 02.93
K21C05T C2021 06 21.09035 16 05 35.35 -52 36 45.1
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K21D00X DC2021 06 27.26583 16 06 58.86 +51 23 35.6
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K21G07Q DC2021 06 27.31122 16 52 37.74 +49 53 20.5
K21G07Q DC2021 06 27.31918 16 52 40.43 +49 53 11.3
K21G07Q DC2021 06 27.32715 16 52 43.12 +49 53 01.3
K21G13E KC2021 06 27.45074801 07 14.37 -12 16 20.2
K21G13E KC2021 06 27.45326901 07 14.82 -12 16 23.6
K21G13E KC2021 06 27.45579001 07 15.28 -12 16 26.7
K21G16N DC2021 06 27.16704 14 13 52.84 +38 05 51.5
K21G16N DC2021 06 27.18462 14 13 53.03 +38 05 49.0
K21G16X KC2021 06 27.34102118 38 32.96 +07 00 47.3
K21G16X KC2021 06 27.34311918 38 33.28 +07 00 44.5
K21H00S KC2021 06 27.16685 11 27 09.85 -03 48 46.9
K21H00S KC2021 06 27.16990 11 27 09.91 -03 48 41.9
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K21H12K KC2021 06 27.27988 14 34 00.61 +34 29 21.5
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K21J05T KC2021 06 25.98195017 15 46.22 -00 26 42.9
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K21J05T KC2021 06 26.92980717 17 04.50 -01 43 28.1
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K21J08R KC2021 06 27.24476715 40 57.98 +06 33 54.8
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K21J09F KC2021 06 27.20301 17 43 08.12 +12 21 38.4
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K21L03G C2021 06 27.27020816 19 06.153+05 26 54.27
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K21L03N C2021 06 26.45453 16 42 23.954+63 28 53.56

16.8 VqEM093L47
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17.8 GVEM093Z80
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18.0 RoEM093691
18.65wUEM093F51
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20.5 iUEM093F51

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K21L03N	C2021	06	26.47944	16	42	26.917+63	31	49.21	20.6	iUEM093F51	
K21L03N	C2021	06	26.49184	16	42	28.434+63	33	15.58	20.6	iUEM093F51	
K21L03N	KC2021	06	27.21529516	44	31.84	+64	56	46.0	20.03	GVEM093I52	
K21L03N	KC2021	06	27.21651416	44	31.98	+64	56	54.1	20.32	GVEM093I52	
K21L03N	KC2021	06	27.21773016	44	32.07	+64	57	01.9	19.82	GVEM093I52	
K21L03W	KC2021	06	27.24927	14	48	55.98	+32	02	31.4	21.5	RoEM093691
K21L03W	KC2021	06	27.26306	14	48	57.19	+32	02	17.0	20.1	RoEM093691
K21L03W	KC2021	06	27.27686	14	48	58.40	+32	02	02.4	20.9	RoEM093691
K21L03X	KC2021	06	27.16983	15	23	06.40	-07	54	37.1	20.9	RoEM093691
K21L03X	KC2021	06	27.18109	15	23	05.59	-07	54	14.6	20.5	RoEM093691
K21L03X	KC2021	06	27.19246	15	23	04.79	-07	53	52.9	21.2	RoEM093691
K21L04A	C2021	06	27.27020816	15	34.863+06	08	21.84		22.08	wUEM093F51	
K21L04A	C2021	06	27.28126416	15	34.267+06	08	44.10		21.69	wUEM093F51	
K21L04A	C2021	06	27.30343816	15	33.039+06	09	28.21		22.14	wUEM093F51	
K21L05C	KC2021	06	27.29899518	37	30.38	+21	24	30.1		VEM093I52	
K21L05J	KC2021	06	27.19163314	27	44.58	+44	58	31.9	20.78	GVEM093I52	
K21L05J	KC2021	06	27.19711014	27	40.48	+44	58	40.9	21.10	GVEM093I52	
K21L05J	KC2021	06	27.20258814	27	36.44	+44	58	50.2	21.22	GVEM093I52	
K21L06B	KC2021	06	27.31048319	37	20.13	+36	38	06.2		VEM093I52	
K21L06B	KC2021	06	27.31292019	37	18.99	+36	38	48.3	21.50	GVEM093I52	
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K21L06D	KC2021	06	27.18576	13	20	28.87	-04	52	34.1		VEM093291
K21L06D	KC2021	06	27.19923	13	20	19.18	-04	52	07.5	21.5	GVEM093291
K21L06F	DC2021	06	27.42713	20	07	52.06	+54	32	21.7	21.9	GVEM093695
K21L06F	DC2021	06	27.43112	20	07	49.26	+54	32	55.1		VEM093695
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K21L07E	KC2021	06	27.24314	13	49	46.67	-06	45	39.4	21.0	GVEM093291
K21L07E	KC2021	06	27.25250	13	49	34.49	-06	45	51.5	20.7	GVEM093291
K21L07E	KC2021	06	27.26172	13	49	22.28	-06	46	02.0	20.6	GVEM093291
K21L07V	DC2021	06	27.34137	17	26	47.87	+38	28	48.4	22.2	GVEM093695
K21L07V	DC2021	06	27.34941	17	26	47.84	+38	29	01.2	22.6	GVEM093695
K21L07V	DC2021	06	27.35745	17	26	47.83	+38	29	13.7	22.3	GVEM093695
K21L08W	KC2021	06	27.34876121	40	09.11	+20	36	40.5	21.54	GVEM093I52	
K21L08W	KC2021	06	27.35419621	40	09.53	+20	37	10.6	21.43	GVEM093I52	
K21L08W	KC2021	06	27.35962821	40	09.96	+20	37	39.3	20.31	GVEM093I52	
K21L09H	KC2021	06	27.25383218	43	26.35	-31	11	49.7	18.91	GVEM093I52	
K21L09H	KC2021	06	27.25922518	43	26.34	-31	11	45.6	19.05	GVEM093I52	
K21L09H	KC2021	06	27.26460918	43	26.33	-31	11	42.1		VEM093I52	
K21L09J	KC2021	06	27.22882018	58	09.45	+07	35	18.3	19.61	GVEM093I52	
K21L09J	KC2021	06	27.23092118	58	09.38	+07	35	50.5	19.09	GVEM093I52	
K21L09J	KC2021	06	27.23302118	58	09.30	+07	36	22.5	18.74	GVEM093I52	
K21M00A	KC2021	06	27.17402116	55	29.33	+02	22	51.8	19.66	GVEM093I52	
K21M00A	KC2021	06	27.17523816	55	29.59	+02	22	41.2	19.84	GVEM093I52	
K21M00C	KC2021	06	27.16608	15	45	21.28	-20	58	48.5	19.4	RoEM093691
K21M00C	KC2021	06	27.17734	15	45	17.94	-20	59	27.7	20.2	RoEM093691
K21M00C	KC2021	06	27.19108	15	45	13.90	-21	00	16.3		oEM093691
K21M00J	KC2021	06	27.41092300	07	05.74	+30	58	19.1	19.83	GVEM093I52	
K21M00J	KC2021	06	27.41397100	07	06.15	+30	58	10.7	19.98	GVEM093I52	
K21M00J	KC2021	06	27.41701700	07	06.66	+30	57	59.8	20.87	GVEM093I52	
K21M00S	KC2021	06	27.17850015	03	17.91	-23	01	46.8	18.85	GVEM093I52	
K21M00S	KC2021	06	27.18211915	03	09.53	-23	01	36.8	19.38	GVEM093I52	
K21M00S	KC2021	06	27.18573815	03	01.17	-23	01	26.9	19.26	GVEM093I52	
K21M00X	KC2021	06	27.16328	16	08	53.06	-15	36	51.1	19.8	RoEM093691
K21M00X	KC2021	06	27.17455	16	08	54.82	-15	36	34.5	19.6	RoEM093691
K21M00X	KC2021	06	27.18593	16	08	56.58	-15	36	19.4	19.2	RoEM093691
K21M01E	.C2021	06	25.55645	20	02	26.41	+29	01	17.5	16.5	GVEM093F65
K21M01E	.C2021	06	25.55681	20	02	26.60	+29	00	59.2	17.1	GVEM093F65
K21M01E	.C2021	06	25.61636	20	02	59.59	+28	09	28.3	16.9	GVEM093F65
K21M01E	.C2021	06	25.61690	20	02	59.91	+28	08	59.4	17.3	GVEM093F65
K21M01E	KC2021	06	25.96686120	08	23.24	+22	40	00.5	16.0	GVEM093Z80	
K21M01E	KC2021	06	25.97149320	08	26.46	+22	35	27.9	16.8	GVEM093Z80	
K21M01E	KC2021	06	25.97611620	08	29.58	+22	30	55.2	16.2	GVEM093Z80	
K21M01E	.C2021	06	26.61702	20	16	52.96	+10	43	57.1	16.5	GVEM093F65
K21M01E	.C2021	06	26.61720	20	16	53.07	+10	43	43.9	16.4	GVEM093F65
K21M01E	.C2021	06	26.61737	20	16	53.19	+10	43	30.7	16.3	GVEM093F65
K21M01E	KC2021	06	26.93945020	22	33.80	+03	48	01.0	16.1	GVEM093Z80	
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K21M01E	KC2021	06	26.94641320	22	39.48	+03	38	51.8	15.7	GVEM093Z80	
K21M01E	KC2021	06	26.94989720	22	42.30	+03	34	16.8	16.4	GVEM093Z80	
K21M01E	KC2021	06	26.94998820	22	40.92	+03	35	22.1	15.8	GVEM093G17	
K21M01E	KC2021	06	26.95134920	22	41.93	+03	33	34.4	16.0	GVEM093G17	
K21M01E	KC2021	06	26.95271120	22	42.96	+03	31	46.6	15.7	GVEM093G17	
K21M01E	KC2021	06	27.23455920	27	22.22	-02	46	22.0	15.09	GVEM093I52	
K21M01E	KC2021	06	27.23495620	27	22.55	-02	46	55.1	15.71	GVEM093I52	
K21M01E	KC2021	06	27.23574020	27	23.19	-02	47	59.6	15.01	GVEM093I52	
K21M01G	KC2021	06	26.89014518	23	48.41	+38	24	48.0	21.7	GVEM093K14	
K21M01G	KC2021	06	26.90077518	23	47.80	+38	25	03.7	21.6	GVEM093K14	
K21M01G	KC2021	06	26.91410318	23	46.99	+38	25	23.6	21.9	GVEM093K14	
K21M01G	KC2021	06	26.92480318	23	46.33	+38	25	39.0	23.0	GVEM093K14	
K21M01G	KC2021	06	26.92597118	23	46.24	+38	25	39.3	19.3	GVEM093K38	
K21M01G	KC2021	06	26.93603618	23	45.75	+38	25	56.1	22.7	GVEM093K14	
K21M01G	KC2021	06	26.93744318	23	45.54	+38	25	56.7	19.4	GVEM093K38	
K21M01G	KC2021	06	26.94891718	23	44.88	+38	26	13.3	19.2	GVEM093K38	
K21M01G	KC2021	06	27.17669118	23	33.22	+38	31	43.7	19.38	GVEM093I52	
K21M01G	KC2021	06	27.18031018	23	33.04	+38	31	48.7		VEM093I52	
K21M01K	C2021	06	26.53728323	00	42.67	+20	40	10.7	17.09	oVEM093T05	
K21M01K	C2021	06	26.53913423	00	40.49	+20	40	46.6	17.78	oVEM093T05	
K21M01K	C2021	06	26.54601023	00	32.48	+20	43	01.1	17.74	oVEM093T05	
K21M01K	C2021	06	26.55929023	00	16.81	+20	47	20.1	17.89	oVEM093T05	
K21M01K	KC2021	06	27.33740822	45	23.61	+24	56	40.9	17.28	GVEM093I52	
K21M01K	KC2021	06	27.33816222	45	22.67	+24	56	55.6	17.35	GVEM093I52	
K21M01K	KC2021	06	27.33891422	45	21.73	+24	57	10.4	17.34	GVEM093I52	

01685	C2021	06	26.25606112	08	51.72	-11	09	04.1	18.32oVEM093T08	
01685	C2021	06	26.25652112	08	51.78	-11	09	04.3	18.19oVEM093T08	
01685	C2021	06	26.25974612	08	51.98	-11	09	04.1	18.14oVEM093T08	
01685	C2021	06	26.26020612	08	52.02	-11	09	04.0	17.95oVEM093T08	
01685	C2021	06	26.26527912	08	52.33	-11	09	04.3	17.80oVEM093T08	
01685	C2021	06	26.27588912	08	53.06	-11	09	05.2	17.79oVEM093T08	
01685	C2021	06	26.27681112	08	53.12	-11	09	05.3	17.65oVEM093T08	
01866	C2021	06	26.27190113	08	23.90	+22	17	48.4	17.03oVEM093T05	
01866	C2021	06	26.27510413	08	23.89	+22	17	45.1	16.96oVEM093T05	
01866	C2021	06	26.28518713	08	23.86	+22	17	34.7	17.01oVEM093T05	
01866	C2021	06	26.29983313	08	23.79	+22	17	19.6	17.09oVEM093T05	
01943	C2021	05	30.55702822	48	14.09	+02	19	58.8	17.26oVEM093T08	
01943	C2021	05	30.56026822	48	14.48	+02	20	03.6	17.26oVEM093T08	
01943	C2021	05	30.56579722	48	15.11	+02	20	11.5	17.22oVEM093T08	
01943	C2021	05	30.57778422	48	16.50	+02	20	29.1	17.28oVEM093T08	
01943	C2021	06	26.56302423	30	57.97	+12	21	39.3	16.99oVEM093T05	
01943	C2021	06	26.56354523	30	58.02	+12	21	40.1	17.17oVEM093T05	
01943	C2021	06	26.57227023	30	58.58	+12	21	50.3	17.17oVEM093T05	
01943	C2021	06	26.57608023	30	58.85	+12	21	54.8	16.98oVEM093T05	
03103	C2021	05	20.58555820	46	34.84	+06	35	28.3	17.25cVEM093T05	
03103	C2021	05	20.59620720	46	36.18	+06	35	34.1	17.47cVEM093T05	
03103	C2021	05	20.59850720	46	36.46	+06	35	35.1	17.47cVEM093T05	
03103	C2021	05	20.61566320	46	38.65	+06	35	44.5	17.94cVEM093T05	
03103	C2021	05	20.61657920	46	38.76	+06	35	45.2	17.98cVEM093T05	
03103	C2021	05	30.43220521	08	53.58	+07	59	36.0	16.36oVEM093T08	
03103	C2021	05	30.44331621	08	55.14	+07	59	41.3	16.47oVEM093T08	
03103	C2021	05	30.46880121	08	58.72	+07	59	53.7	16.68oVEM093T08	
03103	C2021	05	30.48182221	09	00.53	+08	00	00.1	16.77oVEM093T08	
03103	KC2021	06	26.92093	22	31	00.20	+09	52	06.4	15.3 VqEM093L47
03103	KC2021	06	26.93299	22	31	03.08	+09	52	04.9	15.4 VqEM093L47
03199	C2021	05	15.27429410	44	05.27	-34	11	50.2	18.44cVEM093T05	
03199	C2021	05	15.27852010	44	05.21	-34	11	48.7	18.60cVEM093T05	
03199	C2021	05	15.28548310	44	05.18	-34	11	45.5	18.57cVEM093T05	
03199	C2021	05	15.29931510	44	05.04	-34	11	38.9	18.55cVEM093T05	
03553	C2021	06	26.43803918	17	40.42	+31	55	32.7	18.38oVEM093T05	
03553	C2021	06	26.44363518	17	39.83	+31	55	35.7	18.61oVEM093T05	
03553	C2021	06	26.44730818	17	39.32	+31	55	37.3	18.74oVEM093T05	
03553	C2021	06	26.47617218	17	36.17	+31	55	53.5	18.45oVEM093T05	
04957	C2021	06	26.27911312	33	23.66	-25	19	20.8	17.59oVEM093T08	
04957	C2021	06	26.28279912	33	24.03	-25	19	15.6	17.51oVEM093T08	
04957	C2021	06	26.28602312	33	24.36	-25	19	11.2	17.47oVEM093T08	
04957	C2021	06	26.29201312	33	24.95	-25	19	03.2	17.50oVEM093T08	
04957	C2021	06	26.29293712	33	25.06	-25	19	02.0	17.39oVEM093T08	
04957	C2021	06	26.30583812	33	26.32	-25	18	44.4	17.66oVEM093T08	
07474	C2021	05	16.28082312	33	24.944	+07	45	46.99	20.75wUEM093F51	
07474	C2021	05	16.29425212	33	24.487	+07	45	44.25	20.57wUEM093F51	
07474	C2021	05	16.30767512	33	24.027	+07	45	41.31	20.75wUEM093F51	
07474	C2021	05	16.32614812	33	23.376	+07	45	37.43	20.76wUEM093F51	
10563	C2021	06	26.17524009	38	56.87	+39	46	54.3	18.36rUEM093I41	
10563	C2021	06	26.17767009	38	57.72	+39	46	42.0	18.17rUEM093I41	
10563	C2021	06	26.18010009	38	58.56	+39	46	29.8	18.30rUEM093I41	
10563	C2021	06	26.18252009	38	59.40	+39	46	17.4	18.22rUEM093I41	
10563	C2021	06	26.18494009	39	00.25	+39	46	05.1	18.30rUEM093I41	
10563	C2021	06	26.18686009	39	00.92	+39	45	55.6	18.46rUEM093I41	
10563	C2021	06	26.18781009	39	01.26	+39	45	50.5	18.46rUEM093I41	
10563	C2021	06	26.18875009	39	01.56	+39	45	45.8	18.42rUEM093I41	
24443	C2021	06	27.33933717	53	41.48	+26	25	44.9	19.11GVEM093G96	
24443	C2021	06	27.34494917	53	40.69	+26	25	48.4	19.06GVEM093G96	
24443	C2021	06	27.35056217	53	39.89	+26	25	51.8	18.97GVEM093G96	
24443	C2021	06	27.35619717	53	39.10	+26	25	55.1	19.05GVEM093G96	
67367	C2021	06	26.42943216	25	09.62	-21	33	06.9	17.49oVEM093T08	
67367	C2021	06	26.43266016	25	09.35	-21	33	04.5	17.75oVEM093T08	
67367	C2021	06	26.43818716	25	08.88	-21	33	00.0	17.59oVEM093T08	
67367	C2021	06	26.44926116	25	07.97	-21	32	50.5	17.57oVEM093T08	
85709	C2021	06	26.54371323	14	31.70	+26	26	41.5	18.38oVEM093T05	
85709	C2021	06	26.54738823	14	31.86	+26	26	42.9	18.27oVEM093T05	
85709	C2021	06	26.55380223	14	32.22	+26	26	45.2	18.03oVEM093T05	
85709	C2021	06	26.56400323	14	32.71	+26	26	49.5	18.09oVEM093T05	
86324	C2021	06	26.50585801	18	00.93	+35	00	50.7	17.98oVEM093T05	
86324	C2021	06	26.52113301	18	04.78	+35	01	33.9	17.84oVEM093T05	
86324	C2021	06	26.52883801	18	06.66	+35	01	57.7	18.29oVEM093T05	
86324	C2021	06	26.53447001	18	08.05	+35	02	14.0	18.19oVEM093T05	
87309	C2021	06	26.49921322	57	42.60	-24	32	11.7	17.04oVEM093T08	
87309	C2021	06	26.50243522	57	41.76	-24	32	06.5	16.91oVEM093T08	
87309	C2021	06	26.50890222	57	40.02	-24	31	56.2	16.98oVEM093T08	
87309	C2021	06	26.52433122	57	35.90	-24	31	31.4	17.00oVEM093T08	
88188	C2021	05	18.27117909	42	53.56	-00	09	23.8	17.43oVEM093T08	
88188	C2021	05	18.27440309	42	54.18	-00	09	29.3	17.54oVEM093T08	
88188	C2021	05	18.27993909	42	55.20	-00	09	37.9	17.65oVEM093T08	
88188	C2021	05	18.29012109	42	57.10	-00	09	54.2	17.40oVEM093T08	
88188	C2021	05	30.25465410	20	52.13	-05	18	11.1	17.47oVEM093T08	
88188	C2021	05	30.25789510	20	52.74	-05	18	15.9	17.59oVEM093T08	
88188	C2021	05	30.26300710	20	53.69	-05	18	23.5	17.55oVEM093T08	
88188	C2021	05	30.27409410	20	55.76	-05	18	40.1	17.80oVEM093T08	
88188	C2021	06	26.26158811	46	27.71	-15	20	38.9	18.04oVEM093T08	
88188	C2021	06	26.26481811	46	28.31	-15	20	42.7	18.07oVEM093T08	
88188	C2021	06	26.27036011	46	29.33	-15	20	49.0	17.97oVEM093T08	
88188	C2021	06	26.28049811	46	31.20	-15	21	00.8	17.98oVEM093T08	
89355	C2021	06	26.27144513	11	34.84	+21	17	18.2	17.85oVEM093T05	
89355	C2021	06	26.27190113	11	34.90	+21	17	17.3	17.85oVEM093T05	
89355	C2021	06	26.27464713	11	35.31	+21	17	09.9	17.86oVEM093T05	
89355	C2021	06	26.27510413	11	35.37	+21	17	08.9	17.86oVEM093T05	
89355	C2021	06	26.28049213	11	36.13	+21	16	54.2	17.77oVEM093T05	

89355	C2021	06	26.28518713	11	36.78	+21	16	41.5	17.84oVEM093T05	
89958	C2021	06	26.30029013	11	38.95	+21	16	00.7	17.89oVEM093T05	
89958	KC2021	06	26.86637	16	08	53.13	+52	46	22.7	16.1 VqEM093L47
89958	KC2021	06	26.88614	16	08	19.71	+52	49	56.8	16.3 VqEM093L47
89958	KC2021	06	26.88889016	08	15.04	+52	50	28.1	16.5 VZEM093L74	
89958	KC2021	06	26.89168016	08	10.27	+52	50	58.4	16.3 VZEM093L74	
89958	KC2021	06	26.89451616	08	05.45	+52	51	28.7	16.5 VZEM093L74	
89958	KC2021	06	27.08425	16	02	45.84	+53	25	16.0	16.1 GXEM093W34
89958	KC2021	06	27.08968	16	02	36.39	+53	26	13.7	16.1 GXEM093W34
89958	KC2021	06	27.09564	16	02	25.93	+53	27	16.6	16.1 GXEM093W34
D7170	C2021	06	27.17095009	19	24.98	+23	06	28.3	16.76rUEM093I41	
D7170	C2021	06	27.17338009	19	25.67	+23	06	27.5	16.74rUEM093I41	
D7170	C2021	06	27.17823009	19	27.04	+23	06	26.0	16.74rUEM093I41	
D7170	C2021	06	27.18065009	19	27.71	+23	06	25.1	16.69rUEM093I41	
F9856	KC2020	08	21.04463303	40	37.38	+08	30	12.0	18.4 GVEM093C95	
F9856	KC2020	08	21.05192903	40	38.25	+08	30	09.1	19.9 GVEM093C95	
F9857	KC2021	06	26.93902918	23	03.78	+16	18	01.0	16.4 VZEM093L74	
F9857	KC2021	06	26.94409418	23	03.26	+16	18	11.9	16.6 VZEM093L74	
F9857	KC2021	06	26.94941618	23	02.70	+16	18	23.8	16.7 VZEM093L74	
G1995	C2021	06	26.33999714	14	54.29	-06	20	25.3	17.71oVEM093T08	
G1995	C2021	06	26.34598914	14	53.90	-06	20	43.7	17.63oVEM093T08	
G1995	C2021	06	26.35704314	14	53.20	-06	21	17.9	17.87oVEM093T08	
G2173	C2021	05	15.33564012	02	01.20	-11	25	22.4	19.10cVEM093T05	
G2173	C2021	05	15.33931912	02	01.53	-11	25	19.9	19.09cVEM093T05	
G2173	C2021	05	15.34482912	02	02.07	-11	25	15.9	19.17cVEM093T05	
G2173	C2021	05	15.35598012	02	03.17	-11	25	06.6	19.13cVEM093T05	
G2463	C2021	05	17.52384619	59	59.19	-19	38	30.7	18.99oVEM093T08	
G2463	C2021	05	17.52803119	59	59.40	-19	38	36.2	18.91oVEM093T08	
G2463	C2021	05	17.53448719	59	59.71	-19	38	46.5	18.87oVEM093T08	
G2463	C2021	05	17.54915820	00	00.37	-19	39	07.4	19.02oVEM093T08	
G2463	C2021	05	19.55859520	01	43.75	-20	28	22.9	19.00cVEM093T05	
G2463	C2021	05	19.56274720	01	43.92	-20	28	28.6	19.45cVEM093T05	
G2463	C2021	05	19.56781320	01	44.17	-20	28	36.7	19.33cVEM093T05	
G2463	C2021	05	19.58334820	01	44.88	-20	29	00.4	18.92cVEM093T05	
G2913	KC2021	06	26.96081820	10	49.60	+24	46	40.6	18.2 VZEM093L74	
G2913	KC2021	06	26.96435020	10	48.44	+24	46	27.5	18.3 VZEM093L74	
G2913	KC2021	06	26.96743820	10	47.41	+24	46	16.3	ZEM093L74	
G3696	C2021	06	26.28096012	35	19.72	-09	51	37.2	17.19oVEM093T08	
G3696	C2021	06	26.28418112	35	19.26	-09	51	44.6	17.13oVEM093T08	
G3696	C2021	06	26.29062912	35	18.34	-09	51	59.2	17.14oVEM093T08	
G3696	C2021	06	26.30168912	35	16.76	-09	52	24.5	17.09oVEM093T08	
I4990	C2021	06	26.27831713	34	37.84	+33	16	24.0	18.04oVEM093T05	
I4990	C2021	06	26.29507313	34	34.95	+33	15	47.3	17.99oVEM093T05	
I4990	C2021	06	26.30824613	34	32.66	+33	15	18.2	18.09oVEM093T05	
I4990	C2021	06	26.31385613	34	31.71	+33	15	05.6	18.01oVEM093T05	
I4990	C2021	06	27.15958813	32	11.52	+32	44	03.3	18.25GVEM093G96	
I4990	C2021	06	27.16521913	32	10.58	+32	43	50.9	18.28GVEM093G96	
I4990	C2021	06	27.17086413	32	09.63	+32	43	38.4	18.32GVEM093G96	
I4990	C2021	06	27.17649813	32	08.68	+32	43	25.8	18.25GVEM093G96	
N7442	C2021	05	30.29723712	04	03.55	+07	56	27.4	18.77oVEM093T08	
N7442	C2021	05	30.30092512	04	03.82	+07	56	31.8	19.15oVEM093T08	
N7442	C2021	05	30.30648112	04	04.23	+07	56	39.1	19.41oVEM093T08	
N7442	C2021	05	30.31937912	04	05.18	+07	56	55.8	19.32oVEM093T08	
O1370	C2021	06	26.56904500	15	34.35	+35	19	14.1	18.79oVEM093T05	
O1370	C2021	06	26.57893700	15	37.42	+35	19	30.8	18.63oVEM093T05	
O1370	C2021	06	26.58260100	15	38.63	+35	19	37.9	18.89oVEM093T05	
O1370	C2021	06	26.59978200	15	43.90	+35	20	08.2	18.95oVEM093T05	
O8590	C2021	06	27.35553614	56	48.828	+62	23	46.58	19.15iUEM093F51	
O8590	C2021	06	27.36527014	56	49.829	+62	23	31.55	19.12iUEM093F51	
O8590	C2021	06	27.37498814	56	50.845	+62	23	16.54	19.11iUEM093F51	
O8590	C2021	06	27.38467814	56	51.829	+62	23	01.49	19.27iUEM093F51	
R1480	C2021	06	27.20372114	06	04.85	+26	28	41.9	20.03GVEM093G96	
R1480	C2021	06	27.20934214	06	05.13	+26	28	34.4	20.09GVEM093G96	
R1480	C2021	06	27.21496314	06	05.42	+26	28	27.1	19.84GVEM093G96	
R1480	C2021	06	27.22058714	06	05.69	+26	28	19.7	20.09GVEM093G96	
U1011	C2021	05	15.32784811	36	29.23	-13	19	16.0	18.60cVEM093T05	
U1011	C2021	05	15.33104911	36	29.96	-13	19	15.7	18.48cVEM093T05	
U1011	C2021	05	15.33702511	36	31.34	-13	19	15.5	18.52cVEM093T05	
U1011	C2021	05	15.34852511	36	34.00	-13	19	14.2	18.41cVEM093T05	
U1011	C2021	05	17.31521011	44	06.70	-13	16	45.0	18.18oVEM093T08	
U1011	C2021	05	17.31843711	44	07.37	-13	16	45.2	18.53oVEM093T08	
U1011	C2021	05	17.32396311	44	08.58	-13	16	44.4	18.30oVEM093T08	
U1011	C2021	05	17.33595411	44	11.12	-13	16	43.9	18.48oVEM093T08	
U1011	C2021	05	18.31964211	47	45.70	-13	15	39.7	18.21oVEM093T08	
U1011	C2021	05	18.32287211	47	46.38	-13	15	39.7	18.45oVEM093T08	
U1011	C2021	05	18.32841511	47	47.52	-13	15	38.8	18.46oVEM093T08	
U1011	C2021	05	18.33903511	47	49.70	-13	15	39.0	18.59oVEM093T08	
U1011	C2021	05	20.32471611	54	41.38	-13	13	54.8	18.24oVEM093T05	
U1011	C2021	05	20.33113711	54	42.60	-13	13	53.8	18.70oVEM093T05	
U1011	C2021	05	20.33482211	54	43.29	-13	13	53.7	18.45oVEM093T05	
U1011	C2021	05	20.34779911	54	45.82	-13	13	53.4	18.70oVEM093T05	
U2871	C2021	06	26.38885815	26	28.64	-12	45	02.0	17.09oVEM093T08	
U2871	C2021	06	26.39207815	26	28.98	-12	45	05.0	17.03oVEM093T08	
U2871	C2021	06	26.39760815	26	29.59	-12	45	09.9	17.08oVEM093T08	
U2871	C2021	06	26.40774715	26	30.71	-12	45	18.9	16.95oVEM093T08	
U3174	C2021	06	26.54462823	32	33.05	+33	30	53.5	18.32oVEM093T05	
U3174	C2021	06	26.55334523	32	34.44	+33	31	00.8	18.20oVEM093T05	
U3174	C2021	06	26.55654523	32	34.95	+33	31	03.9	18.36oVEM093T05	
U3174	C2021	06	26.56858823	32	36.90	+33	31	14.6	18.17oVEM093T05	
W6732	KC2021	06	26.86119	19	12	16.17	+09	32	43.8	15.4 VqEM093L47
W6732	KC2021	06	26.88093	19	12	19.31	+09	33	05.2	15.5 VqEM093L47
W6732	KC2021	06	26.91336019	12	24.46	+09	33	42.1	16.5 VZEM093L74	
W6732	KC2021	06	26.91929519	12	25.40	+09	33	48.6	16.5 VZEM093L74	
W6732	KC2021	06	26.92475419	12	26.26	+09	33	54.5	16.5 VZEM093L74	

C2021 05 17.57177720 22 32.28 -41 20 26.7 17.44oVEM093T08
c6847 C2021 05 17.57808420 22 35.16 -41 20 27.4 17.58oVEM093T08
c6847 C2021 05 17.58223120 22 37.07 -41 20 27.9 17.52oVEM093T08
c6847 C2021 05 17.59883620 22 44.63 -41 20 30.3 17.41oVEM093T08
e8752 C2021 06 26.41650616 06 51.31 -30 30 02.3 17.85oVEM093T08
e8752 C2021 06 26.41973516 06 51.10 -30 29 59.3 17.64oVEM093T08
e8752 C2021 06 26.42620016 06 50.83 -30 29 51.3 17.72oVEM093T08
e8752 C2021 06 26.43634116 06 50.32 -30 29 40.1 17.76oVEM093T08
f5029 C2021 05 18.59332723 34 52.88 -13 47 06.1 16.52oVEM093T08
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f5029 KC2021 06 26.91331 21 54 04.82 +21 03 51.1 17.1 VqEM093L47
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h8429 C2021 06 26.43081616 24 18.45 -15 32 51.1 18.55oVEM093T08
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i1987 KC2021 06 26.91072612 43 18.77 +23 43 17.4 18.1 GVEM093Z80
i1987 KC2021 06 26.91535512 43 30.62 +23 42 58.8 17.9 GVEM093Z80
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i2742 C2021 06 27.36443421 28 15.01 +28 47 31.5 20.20GVEM093G96
i2742 C2021 06 27.36913321 28 15.27 +28 47 40.9 20.16GVEM093G96
i2742 C2021 06 27.37500421 28 15.60 +28 47 52.4 20.14GVEM093G96
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i5267 KC2021 06 26.85658 18 59 29.60 -05 28 46.2 16.3 VqEM093L47
j0263 KC2021 06 17.85204319 23 44.56 +04 40 15.1 13.7 GVEM093L54
j0263 KC2021 06 17.86303219 23 40.37 +04 35 27.6 13.6 GVEM093L54
j0263 KC2021 06 17.87448919 23 35.98 +04 30 28.4 13.6 GVEM093L54
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m0856 KC2021 06 26.88094 13 56 56.61 -03 05 14.8 17.9 GVEM093L63
m0856 KC2021 06 26.89150 13 56 59.14 -03 04 42.5 18.2 GVEM093L63
m0856 KC2021 06 26.90274 13 57 01.83 -03 04 08.2 18.0 GVEM093L63
m3471 C2021 06 26.48335917 35 38.87 -06 26 42.0 17.44oVEM093T08
m3471 C2021 06 26.51784017 35 30.90 -06 25 36.5 17.70oVEM093T08
m3471 C2021 06 26.52046817 35 30.26 -06 25 32.0 17.59oVEM093T08
m3471 C2021 06 26.52633817 35 28.91 -06 25 20.4 17.51oVEM093T08
n1007 C2021 06 27.26956816 02 50.998+06 23 25.42 22.44wUEM093F51
n1007 C2021 06 27.28061716 02 49.855+06 23 23.02 21.93wUEM093F51
n1007 C2021 06 27.30279916 02 47.599+06 23 17.97 21.77wUEM093F51
n4710 C2021 05 18.39778316 01 56.27 +11 26 20.5 18.84oVEM093T08
n4710 C2021 05 18.40012116 01 55.52 +11 26 23.0 18.46oVEM093T08
n4710 C2021 05 18.40291916 01 54.63 +11 26 26.1 18.69oVEM093T08
n4710 C2021 05 18.43838416 01 43.35 +11 27 02.5 18.84oVEM093T08
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n4710 C2021 05 20.38993715 52 00.49 +11 57 19.1 18.82oVEM093T05
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n5615 S2021 06 22.73143 14 24 20.64 +29 15 00.2 LEM093C51
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n5615 S2021 06 22.86220 14 24 20.61 +29 17 01.0 LEM093C51
n5615 s2021 06 22.86220 1 - 5440.0284 - 2680.4041 + 3185.7038 EM093C51
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n5615 C2021 06 26.31986014 24 37.36 +30 04 19.5 18.62oVEM093T05
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n5615 C2021 06 27.20746014 24 47.14 +30 14 33.4 18.93GVEM093G96
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n5615 C2021 06 27.22432614 24 47.25 +30 14 45.1 18.85GVEM093G96
o6459 KC2021 06 26.95898 14 06 03.29 +59 40 33.9 18.9 GVEM093L63
o6459 KC2021 06 26.97053 14 06 02.24 +59 40 10.2 18.7 GVEM093L63
o6459 KC2021 06 26.98670 14 06 00.52 +59 39 37.5 18.7 GVEM093L63
q3616 C2021 06 27.27668316 53 22.707-00 29 39.69 21.96wUEM093F51
q3616 C2021 06 27.28772316 53 21.474-00 29 46.51 21.98wUEM093F51
q3616 C2021 06 27.29881716 53 20.245-00 29 53.42 21.83wUEM093F51

r7342	C2021 06 27.16330813 08 15.18 +26 38 16.1	22.03GVEM093G96
r7342	C2021 06 27.16894213 08 15.56 +26 38 17.5	20.82GVEM093G96
r7342	C2021 06 27.17458413 08 15.91 +26 38 18.3	20.66GVEM093G96
r7342	C2021 06 27.18022013 08 16.30 +26 38 18.5	22.35GVEM093G96

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