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MPEC 2021-074 : DAILY ORBIT UPDATE (2021 July 31)

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M.P.E.C. 2021-074

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DAILY ORBIT UPDATE (2021 July 31)

Update to 2021-069

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

New identifications:

K14TA2W	K17R03C	Weryk	
K05Y02V	K17Q36K	Weryk	
K00U00H	K17Q34N	Weryk	
K16C37Q	K17G02C	Weryk	
K03SB3H	K14ST6Y	Weryk	
K15HC2J	K16Q15B	Weryk	
K10MA9F	K21K12B	Weryk	
K14WM4W	K16AF3F	Weryk	
K07P31P	K20Q78N	Weryk	
K10W60K	K14Wa7K	K18V02J	Weryk
K10DB2B	K20G26Z	Veres	

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J95S90Z	16.7	0.15	K2175	234.165	250.100	74.542	2.531	0.18353	3.16392	9	V
J96T23C	18.7	0.15	K2175	285.901	15.949	10.102	6.180	0.12425	2.36314	5	X
J98K69F	16.3	0.15	K2175	324.436	202.177	137.727	11.446	0.09810	3.13459	13	X
J98K69G	17.4	0.15	K2175	338.897	153.432	125.149	9.050	0.19148	2.76656	7	X
J98M14M	18.6	0.15	K2175	348.404	42.147	262.368	4.443	0.34059	2.21145	4	X
J98SI1V	20.1	0.15	K2175	289.037	259.148	150.869	6.047	0.29865	2.22513	3	V
J98SI1W	18.1	0.15	K2175	100.948	259.375	161.802	3.536	0.01131	2.59821	7	V
J99F69D	16.6	0.15	K2175	118.738	16.091	179.502	13.989	0.08568	2.58368	12	X
J99F98W	16.3	0.15	K2175	80.729	310.342	197.454	22.380	0.11311	3.08606	10	X
J99F99N	16.6	0.15	K2175	332.335	151.665	196.364	10.411	0.17728	2.93878	8	X
J99R05K	16.6	0.15	K2175	58.004	84.625	166.956	10.685	0.01796	3.15606	11	X
J99R05L	16.4	0.15	K2175	35.271	117.245	169.988	18.276	0.08244	3.12984	11	X
J99RP0W	16.4	0.15	K2175	269.140	236.302	169.475	10.016	0.06444	3.16575	11	X
J99S13L	17.4	0.15	K2175	324.918	181.594	176.799	4.666	0.26807	2.70559	5	X
J99T52R	17.5	0.15	K2175	269.648	119.150	228.356	2.905	0.10817	2.76692	7	V
J99TW8X	16.1	0.15	K2175	321.939	124.295	235.804	11.040	0.06222	3.17173	9	X
J99TX0E	16.2	0.15	K2175	5.618	74.346	235.657	8.129	0.07675	3.17525	11	X
J99TX7K	16.8	0.15	K2175	322.441	123.472	242.448	5.244	0.03412	2.71723	13	X
J99TX8Q	18.6	0.15	K2175	86.003	328.135	249.253	5.569	0.09780	2.17197	8	X
J99U65M	16.0	0.15	K2175	71.356	344.357	252.865	8.762	0.07578	3.13111	11	X
J99VN3K	18.8	0.15	K2175	337.854	85.516	246.916	2.748	0.21629	2.16118	7	X

J99VN3Z	17.7	0.15	K2175	287.509	333.498	50.032	3.458	0.09427	2.75272	9	X
K00EL2H	17.5	0.15	K2175	95.955	29.427	179.106	12.360	0.05007	2.89676	9	X
K00J97G	18.0	0.15	K2175	86.740	328.084	244.392	8.070	0.11303	2.24179	7	X
K00J97K	18.4	0.15	K2175	330.318	216.433	119.036	8.117	0.17811	2.26725	6	X
K00K69K	17.5	0.15	K2175	305.550	193.900	129.479	7.490	0.20700	2.60622	9	X
K00O70F	17.7	0.15	K2175	358.048	345.890	316.118	5.740	0.17804	2.60082	9	X
K00Q08V	18.4	0.15	K2175	354.409	156.782	156.109	6.763	0.27525	2.60797	4	X
K00QQ0M	16.5	0.15	K2175	277.579	244.881	162.529	14.102	0.15847	3.05481	10	X
K00R52P	17.1	0.15	K2175	321.214	77.512	319.684	26.664	0.44276	2.60951	4	X
K00S51S	17.4	0.15	K2175	344.795	98.093	233.664	5.095	0.24295	2.61348	10	X
K00S55U	17.6	0.15	K2175	342.451	155.678	189.629	11.960	0.23411	2.61043	7	X
K00SK5E	18.3	0.15	K2175	329.041	176.610	196.246	7.056	0.35841	2.61450	3	X
K00SS4U	16.8	0.15	K2175	324.529	44.362	316.979	6.153	0.31254	3.05522	6	X
K00SY2W	16.8	0.15	K2175	317.153	196.152	185.851	10.861	0.18483	3.04975	9	X
K00Sc0W	17.5	0.15	K2175	299.177	164.002	236.462	5.777	0.17428	2.62867	8	X
K00Sc5Q	16.4	0.15	K2175	3.683	13.131	302.116	9.193	0.09205	3.05559	7	X
K00Sc6C	17.8	0.15	K2175	7.655	97.372	210.437	6.082	0.14697	2.60213	8	X
K00T75H	16.1	0.15	K2175	305.250	233.936	161.664	15.272	0.22612	3.08728	14	X
K00T77P	17.7	0.15	K2175	307.617	167.717	203.378	8.233	0.11063	2.62187	7	X
K00T81V	16.8	0.15	K2175	311.474	144.970	230.016	9.593	0.07423	3.02783	11	X
K00U00H	15.6	0.15	K2175	264.379	308.602	47.679	29.936	0.40356	3.13923	8	V
K00U13K	16.5	0.15	K2175	341.631	109.782	229.179	15.398	0.20399	3.06599	9	X
K00UB5D	16.0	0.15	K2175	92.240	301.715	277.265	7.542	0.05687	3.10449	12	X
K00WA4T	17.1	0.15	K2175	41.735	354.689	267.958	5.304	0.09226	2.39287	12	X
K00WK0U	17.8	0.15	K2175	351.228	257.936	63.599	4.484	0.31582	2.64282	6	X
K00WK1A	18.4	0.15	K2175	248.933	220.300	219.298	4.334	0.15685	2.34528	7	X
K00WK1V	16.8	0.15	K2175	325.592	228.594	127.508	13.982	0.17601	3.07869	6	X
K00WK3X	17.4	0.15	K2175	276.592	144.115	263.401	4.735	0.07777	2.66550	10	X
K00Y16Q	17.5	0.15	K2175	330.245	64.694	291.631	18.212	0.12382	1.92417	9	X
K01B83M	16.9	0.15	K2175	274.636	12.374	29.338	7.459	0.13749	3.19085	6	X
K01B84T	18.2	0.15	K2175	292.770	115.957	282.210	10.547	0.19057	2.38364	7	X
K01E00C	18.7	0.15	K2175	332.593	115.707	316.102	0.606	0.76505	2.59819	4	X
K01FO4F	17.3	0.15	K2175	320.166	260.503	86.641	7.459	0.07707	2.80608	9	X
K01G05Q	17.5	0.15	K2175	23.402	200.565	71.992	8.536	0.26381	2.20199	11	X
K01K80U	16.4	0.15	K2175	9.596	147.991	140.745	15.856	0.13484	2.87400	7	X
K01K82N	18.7	0.15	K2175	1.936	42.443	207.872	6.151	0.10745	2.22984	8	X
K01K84F	18.1	0.15	K2175	331.325	239.598	104.588	8.776	0.22198	2.19804	10	X
K01N04H	17.5	0.15	K2175	331.138	333.797	9.148	3.843	0.15354	2.51274	10	X
K01SI3S	18.9	0.15	K2175	353.967	157.104	153.509	4.625	0.21727	2.23609	5	X
K01Sa2C	17.5	0.15	K2175	256.154	240.089	124.491	11.145	0.12685	2.61759	8	X
K01TN6L	15.7	0.15	K2175	163.745	341.574	93.604	10.777	0.21989	3.15055	10	X
K01TQ4E	17.0	0.15	K2175	178.462	310.191	179.203	12.959	0.04409	3.00121	10	X
K01UI9W	17.2	0.15	K2175	212.655	193.288	211.135	7.629	0.11811	2.61448	10	X
K01UJ7G	17.8	0.15	K2175	341.733	248.563	90.099	8.360	0.28503	2.23681	7	X
K01UN3R	16.8	0.15	K2175	209.049	221.924	243.643	8.204	0.06365	3.02769	10	X
K01UN7K	18.3	0.15	K2175	356.977	37.615	268.522	2.929	0.18211	2.26381	10	X
K01V03G	16.8	0.15	K2175	263.588	191.577	235.177	9.072	0.08509	3.00769	7	X
K01WA6V	17.2	0.15	K2175	253.093	348.389	73.072	10.041	0.14538	3.04209	5	X
K01XC2B	17.4	0.15	K2175	332.187	254.856	84.288	7.704	0.16784	2.26546	12	X
K01Y56X	16.7	0.15	K2175	246.697	163.356	280.090	6.906	0.13412	3.05253	8	X
K01YG3C	18.3	0.15	K2175	341.431	110.179	216.779	6.457	0.14207	2.26615	8	X
K01YG5V	16.9	0.15	K2175	316.774	66.764	289.359	3.831	0.16474	3.07735	9	X
K02CF2W	18.5	0.15	K2175	105.932	46.667	143.314	23.916	0.07043	1.89852	8	X
K02CQ6V	16.5	0.15	K2175	4.643	158.283	139.844	15.032	0.15477	2.67928	9	X
K02D04N	16.7	0.15	K2175	340.874	61.166	290.063	11.254	0.08054	3.14457	8	X
K02GJ1H	17.6	0.15	K2175	338.963	130.335	168.544	22.934	0.15288	1.93273	8	X
K02GJ3Z	18.1	0.15	K2175	11.074	147.633	134.875	2.141	0.17920	2.38816	9	X
K02GJ4Y	17.7	0.15	K2175	318.377	190.066	167.390	16.289	0.03062	2.67799	8	X
K02M03O	16.8	0.15	K2175	16.469	123.858	95.975	60.800	0.22917	2.44019	6	X
K02N06C	18.7	0.15	K2175	315.189	222.377	142.388	3.204	0.20055	2.15419	8	X
K02O06P	16.2	0.15	K2175	298.555	103.491	275.935	11.789	0.18045	2.84291	8	X
K02P17V	16.9	0.15	K2175	31.402	350.963	288.434	7.110	0.18809	2.80467	9	X
K02PE1T	17.1	0.15	K2175	341.766	38.424	295.078	14.487	0.19548	2.83380	5	X
K02Q24O	18.3	0.15	K2175	358.364	157.695	146.330	16.226	0.33466	2.43793	5	X
K02Q25T	17.7	0.15	K2175	5.076	129.758	161.512	6.652	0.10829	2.45375	10	X
K02Q99D	18.9	0.15	K2175	339.025	149.132	178.860	2.229	0.21301	2.44155	5	X
K02QF1K	15.8	0.15	K2175	301.320	228.788	167.280	16.627	0.16901	3.45246	7	X
K02QF9L	18.6	0.15	K2175	355.811	0.473	302.251	2.646	0.15194	2.16423	7	X
K02R30G	18.5	0.15	K2175	354.305	19.341	290.524	4.011	0.23647	2.16174	6	X
K02RD7O	20.7	0.15	K2175	327.680	198.357	179.940	7.017	0.45202	2.15467	3	X
K02RK2O	18.6	0.15	K2175	347.547	34.406	286.770	3.404	0.23735	2.16372	6	X
K02RT6P	17.1	0.15	K2175	347.796	25.874	291.888	6.571	0.09424	2.45099	10	X
K02RT9C	17.7	0.15	K2175	43.083	9.029	248.415	5.938	0.16332	2.16743	11	X
K02TN2P	16.6	0.15	K2175	316.645	78.475	281.863	9.805	0.20188	2.87038	6	X
K02TZ0A	17.0	0.15	K2175	315.653	84.475	221.041	9.960	0.17663	2.89671	8	X
K02TZ0C	15.5	0.15	K2175	298.906	76.265	300.262	13.555	0.06658	3.47367	9	X
K02Td4F	19.0	0.15	K2175	277.600	133.765	212.052	21.107	0.01890	1.81563	6	X
K02W21G	17.8	0.15	K2175	310.295	190.618	189.188	5.470	0.18884	2.47322	9	X
K03A71G	17.6	0.15	K2175	289.818	122.178	266.707	3.256	0.16258	2.53139	12	X
K03D25V	17.7	0.15	K2175	126.004	30.209	91.791	0.822	0.22167	3.12999	7	V
K03FD3J	16.2	0.15	K2175	88.478	15.505	195.960	4.671	0.13504	3.13377	13	X
K03FD6P	18.4	0.15	K2175	344.197	148.243	175.918	3.658	0.23110	2.60844	5	X
K03FD8B	16.8	0.15	K2175	342.362	265.954	53.061	7.046	0.03018	3.10308	12	X
K03FE1B	18.9	0.15	K2175	335.687	129.893	210.353	2.078	0.20863	2.26298	6	X
K03G32H	17.6	0.15	K2175	44.937	69.867	169.989	5.091	0.15678	2.30300	13	X
K03G51U	17.0	0.15	K2175	17.532	100.585	198.427	11.346	0.07354	2.62231	9	X
K03G58Q	16.3	0.15	K2175	337.963	187.160	137.128	11.192	0.10593	3.14041	13	X
K03G66X	17.2	0.15	K2175	293.902	204.687	70.122	9.301	0.18857	2.76511	7	V
K03H62L	18.9	0.15	K2175	59.428	150.095	72.817	6.320	0.11203	2.30946	6	X
K03J20T	19.0	0.15	K2175	79.660	66.439	151.094	20.747	0.06335	1.85772	4	X
K03K11W	16.0	0.15	K2175	32.727	135.270	128.812	11.346	0.17015	3.20680	12	X
K03K18T	16.7	0.15	K2175	33.232	318.760	299.093	7.678	0.20531	2.68119	11	X
K03K28Z	17.6	0.15	K2175	93.919	1.788	206.786	13.632	0.19540	2.64872	7	X

K03K37W	17.0	0.15	K2175	26.313	108.795	111.952	15.774	0.14640	2.70043	8	X
K03L09W	16.8	0.15	K2175	341.339	100.477	250.748	9.188	0.10779	3.16481	11	X
K03N15C	17.7	0.15	K2175	50.973	345.079	259.247	7.072	0.20467	2.33643	10	X
K03Q10X	17.7	0.15	K2175	336.219	319.693	23.499	4.460	0.32748	2.35487	8	X
K03QA5V	17.2	0.15	K2175	310.708	189.385	143.569	21.353	0.29192	2.77541	3	X
K03R28N	17.4	0.15	K2175	309.989	166.668	151.822	5.416	0.15418	2.79258	8	X
K03SB3H	18.7	0.15	K2175	327.644	46.253	278.462	8.266	0.18838	2.37120	3	V
K03SC7V	18.0	0.15	K2175	323.271	31.485	324.243	4.939	0.24015	2.36724	5	X
K03SE5C	16.5	0.15	K2175	320.978	72.716	298.514	14.762	0.29305	2.74604	7	X
K03SO3P	18.7	0.15	K2175	316.837	141.875	177.739	5.295	0.20630	2.39372	5	X
K03SQ3E	16.7	0.15	K2175	325.096	184.431	159.935	10.482	0.17920	2.76634	10	X
K03SR8Q	17.8	0.15	K2175	305.964	117.304	255.888	4.721	0.21720	2.37847	5	X
K03ST8W	16.7	0.15	K2175	299.773	210.757	179.661	9.650	0.19309	2.77031	11	X
K03SV5V	17.0	0.15	K2175	273.611	212.389	202.030	5.206	0.11204	2.76930	10	X
K03SW4Y	17.7	0.15	K2175	320.212	259.326	103.565	3.168	0.22617	2.36344	10	X
K03SY1H	18.2	0.15	K2175	331.061	111.731	229.816	1.432	0.22087	2.36352	5	X
K03Se8U	18.6	0.15	K2175	295.043	179.826	205.978	5.943	0.15542	2.36633	3	X
K03Se9K	19.3	0.15	K2175	344.657	47.726	275.416	2.162	0.23007	2.36082	3	X
K03Sh8A	17.0	0.15	K2175	214.154	175.867	288.337	5.373	0.02154	2.76427	12	X
K03Si3E	17.0	0.15	K2175	7.236	63.579	239.966	8.856	0.26675	2.73724	9	X
K03Si4C	17.5	0.15	K2175	44.618	81.202	183.025	14.436	0.08775	2.75080	8	X
K03Sj6T	18.5	0.15	K2175	6.904	317.980	328.740	5.198	0.24568	2.36789	6	X
K03Sj7W	18.7	0.15	K2175	22.359	38.608	229.655	2.023	0.13819	2.10798	11	X
K03T22E	17.4	0.15	K2175	300.545	147.374	256.856	7.450	0.18400	2.75121	6	X
K03T34E	18.4	0.15	K2175	272.682	152.011	253.847	7.963	0.11032	2.38765	7	X
K03T59Z	16.6	0.15	K2175	216.602	172.284	302.797	11.960	0.07203	2.77834	9	X
K03T61G	17.5	0.15	K2175	336.210	62.172	275.909	7.099	0.16903	2.78193	8	X
K03U87M	17.2	0.15	K2175	31.458	75.834	205.564	12.523	0.08531	2.76809	9	X
K03UK5K	18.2	0.15	K2175	344.989	142.377	195.900	4.480	0.34853	2.36080	5	X
K03UU1P	15.9	0.15	K2175	356.143	84.078	246.915	9.051	0.03180	3.38858	9	X
K03UU2U	17.2	0.15	K2175	6.827	88.217	223.584	6.957	0.20143	2.75135	8	X
K03UX3Q	17.3	0.15	K2175	305.892	171.915	200.283	6.031	0.07769	2.76062	10	X
K03Ud3F	18.3	0.15	K2175	332.948	215.806	121.641	6.719	0.26385	2.37549	5	X
K03Ug1F	16.2	0.15	K2175	24.803	328.827	300.211	13.712	0.13928	2.77811	9	X
K03Ug3J	17.3	0.15	K2175	297.892	205.365	189.704	13.903	0.06214	2.77743	9	X
K03Ug7F	18.6	0.15	K2175	352.691	31.061	278.627	0.912	0.19157	2.37690	5	X
K03Ui1U	17.6	0.15	K2175	284.958	202.565	193.679	5.108	0.07843	2.80050	8	X
K03W88L	18.7	0.15	K2175	269.895	7.566	50.614	22.563	0.08567	1.89540	5	X
K03WI5Y	18.5	0.15	K2175	140.877	117.502	204.070	3.812	0.24305	2.58209	7	V
K03WK2A	16.9	0.15	K2175	341.838	35.994	300.553	8.163	0.20640	2.77279	8	X
K03WK8T	17.7	0.15	K2175	302.644	156.262	244.161	4.113	0.16055	2.76918	6	X
K03X44C	16.8	0.15	K2175	318.854	139.318	216.502	5.214	0.00513	2.82115	13	X
K03X45H	17.2	0.15	K2175	2.644	98.180	225.918	8.206	0.06890	2.77520	8	X
K03YF7K	13.5	0.15	K2175	191.782	187.694	226.129	22.218	0.05526	5.18105	12	X
K04B26R	17.8	0.15	K2175	117.260	240.761	310.956	17.945	0.08081	1.93529	9	X
K04B45C	18.3	0.15	K2175	278.558	263.295	130.035	24.916	0.08076	1.92447	10	X
K04BG5X	17.0	0.15	K2175	309.169	96.602	268.592	4.158	0.10879	2.87820	9	X
K04D83M	17.2	0.15	K2175	341.033	26.087	303.711	13.973	0.13057	2.48105	8	X
K04FB3Q	16.8	0.15	K2175	114.687	43.386	88.471	6.016	0.12900	3.08401	9	V
K04G91Z	19.1	0.15	K2175	21.004	101.244	177.275	5.145	0.12932	2.21431	9	X
K04H69D	17.1	0.15	K2175	98.226	346.932	216.701	8.147	0.04393	2.54782	13	X
K04H84E	16.2	0.15	K2175	80.675	25.287	115.872	28.956	0.16672	3.18302	8	X
K04H85G	16.2	0.15	K2175	49.407	332.961	279.396	9.309	0.09557	3.05825	11	X
K04J57Q	18.3	0.15	K2175	31.000	35.493	175.802	2.807	0.16215	2.60557	6	X
K04K21K	16.4	0.15	K2175	235.622	251.352	204.886	9.420	0.05330	2.98140	10	X
K04L02F	16.5	0.15	K2175	1.047	27.405	266.548	7.174	0.19178	2.59805	9	X
K04L32K	16.7	0.15	K2175	22.881	146.665	127.961	13.383	0.05227	3.10228	10	X
K04M09J	16.9	0.15	K2175	359.519	143.176	182.586	16.370	0.11551	3.08045	9	X
K04M09P	15.6	0.15	K2175	103.104	290.078	278.203	24.619	0.20324	3.11779	8	X
K04N19V	17.7	0.15	K2175	337.209	211.182	144.102	8.530	0.38029	2.61370	4	X
K04P00B	17.1	0.15	K2175	300.130	116.938	221.274	12.036	0.29177	2.67695	7	X
K04P15O	17.0	0.15	K2175	321.092	24.664	335.372	12.259	0.30558	2.64177	10	X
K04P46Q	17.7	0.15	K2175	300.523	177.044	164.511	6.965	0.30325	2.67475	6	X
K04P47Y	16.6	0.15	K2175	349.122	180.334	145.402	16.047	0.21140	2.61754	12	X
K04P52A	17.1	0.15	K2175	343.693	226.002	105.024	5.134	0.24702	2.62567	11	X
K04P68T	17.2	0.15	K2175	4.984	137.576	164.954	13.531	0.26789	2.62352	9	X
K04P99Q	16.4	0.15	K2175	334.751	215.005	129.598	19.408	0.22121	3.18760	8	X
K04PB3S	18.0	0.15	K2175	341.154	185.617	149.649	15.011	0.25843	2.62539	5	X
K04PB8D	16.0	0.15	K2175	310.329	250.818	113.245	9.483	0.13181	3.21403	12	X
K04PB9E	16.8	0.15	K2175	73.398	302.712	281.533	12.398	0.22060	2.61181	9	X
K04Q25W	17.7	0.15	K2175	318.770	71.431	303.187	10.229	0.31904	2.64346	4	X
K04Q35R	17.3	0.15	K2175	310.069	76.274	291.316	10.338	0.16747	2.62632	9	X
K04R05J	17.0	0.15	K2175	334.655	197.491	147.206	12.512	0.18975	2.64287	13	X
K04R37S	17.4	0.15	K2175	319.185	214.193	141.896	7.221	0.19507	2.64516	10	X
K04RA2D	17.0	0.15	K2175	21.481	307.716	318.906	11.838	0.22959	2.64728	7	X
K04RD9T	16.5	0.15	K2175	318.689	215.634	164.154	22.311	0.19408	3.20520	8	X
K04RG1G	18.3	0.15	K2175	322.501	204.706	160.603	8.968	0.20496	2.63893	3	X
K04RK7F	16.8	0.15	K2175	349.430	106.835	223.387	11.890	0.29173	2.62422	8	X
K04RL7G	16.0	0.15	K2175	22.563	357.377	275.119	11.993	0.20218	2.67117	10	X
K04RO2A	17.6	0.15	K2175	304.899	5.334	354.000	5.396	0.08912	2.66691	8	X
K04RQ7X	18.3	0.15	K2175	331.471	184.016	172.224	12.995	0.20701	2.63413	4	X
K04RR8P	17.5	0.15	K2175	348.635	98.188	218.760	3.178	0.16819	2.65056	13	X
K04RU8N	17.4	0.15	K2175	298.649	134.873	264.378	6.352	0.26591	2.65653	5	X
K04RX2D	16.2	0.15	K2175	15.054	218.617	70.502	15.215	0.22237	2.65065	12	X
K04RY0K	16.5	0.15	K2175	337.828	89.691	271.463	24.371	0.24216	3.20310	6	X
K04RY7N	17.3	0.15	K2175	329.544	111.998	175.535	5.089	0.08758	2.71447	11	X
K04S59A	17.2	0.15	K2175	330.250	182.753	172.679	12.849	0.13945	2.64025	10	X
K04S64V	18.2	0.15	K2175	21.682	167.311	99.648	2.193	0.20876	2.28161	8	X
K04S65A	16.3	0.15	K2175	339.966	76.002	196.302	9.524	0.04625	3.40681	10	X
K04TA4F	16.4	0.15	K2175	260.234	124.658	297.286	21.154	0.04686	2.66646	9	X
K04TJ4O	17.4	0.15	K2175	287.193	152.089	235.366	5.485	0.05283	2.69076	10	X
K04TJ7N	18.7	0.15	K2175	337.774	132.013	202.506	5.442	0.19408	2.28611	4	X
K04TK0X	18.6	0.15	K2175	355.502	229.602	74.273	1.695	0.26986	2.28604	4	X

K04TK1S	17.6	0.15	K2175	330.770	117.245	239.546	6.817	0.32305	2.65861	6	X
K04TN3B	17.3	0.15	K2175	290.440	168.288	221.767	5.429	0.03790	2.68569	8	X
K04TP7G	17.6	0.15	K2175	3.260	312.250	341.482	2.271	0.21486	2.29143	10	X
K04TU8M	16.6	0.15	K2175	268.511	130.513	238.141	11.993	0.21499	2.72713	9	X
K04V98D	17.4	0.15	K2175	336.022	115.550	215.264	4.695	0.17341	2.68415	9	X
K04VD2Y	18.2	0.15	K2175	19.425	21.624	245.142	3.812	0.21238	2.32252	8	X
K04VD4Z	18.1	0.15	K2175	317.869	207.683	150.805	2.482	0.23610	2.28961	8	X
K04VD8L	16.4	0.15	K2175	194.601	60.645	65.994	6.908	0.02085	3.37056	8	V
K04X50E	17.5	0.15	K2175	273.844	177.393	265.364	25.377	0.18828	2.29868	4	V
K04XF8S	13.7	0.15	K2175	339.233	156.369	111.111	12.327	0.07392	5.17750	11	X
K04Y40O	17.6	0.15	K2175	309.569	44.563	315.315	5.790	0.01373	2.79354	8	X
K05A85Q	16.7	0.15	K2175	234.043	168.552	280.819	13.603	0.22726	2.76043	7	V
K05B45H	17.1	0.15	K2175	339.134	28.772	301.940	21.512	0.28731	2.77029	5	X
K05C88V	17.1	0.15	K2175	318.344	195.529	163.675	5.578	0.17489	2.77025	9	X
K05D04R	17.6	0.15	K2175	181.439	298.001	339.568	16.119	0.20862	2.66312	4	V
K05EU0S	17.4	0.15	K2175	3.259	313.391	344.693	1.088	0.16508	2.89194	9	X
K05EY8T	16.2	0.15	K2175	25.825	9.877	193.734	5.898	0.18807	3.96078	5	X
K05G61B	16.9	0.15	K2175	17.729	39.775	177.442	18.271	0.32067	3.04010	4	X
K05G64W	17.2	0.15	K2175	24.967	86.177	114.840	9.265	0.28545	3.02511	4	X
K05JI7Q	15.9	0.15	K2175	338.381	240.183	95.777	15.559	0.19684	3.03201	12	X
K05L30B	16.6	0.15	K2175	124.719	353.547	197.895	12.191	0.06024	2.94066	11	X
K05L30P	16.5	0.15	K2175	320.047	66.615	283.646	8.960	0.10661	3.03394	10	X
K05L49J	18.5	0.15	K2175	350.158	161.162	110.929	8.177	0.22225	2.18680	7	X
K05M00R	19.0	0.15	K2175	354.158	34.583	269.209	2.335	0.18005	2.17453	5	X
K05M56J	18.7	0.15	K2175	44.943	102.608	144.737	7.179	0.12393	2.14709	6	X
K05N37F	18.5	0.15	K2175	333.250	63.046	282.420	7.557	0.18578	2.16794	4	X
K05N43V	16.8	0.15	K2175	312.230	134.465	231.711	0.773	0.17331	2.51305	13	X
K05N75N	16.5	0.15	K2175	29.927	346.611	293.302	18.112	0.10937	3.01745	9	X
K05N89U	16.6	0.15	K2175	351.471	119.825	224.725	5.570	0.32997	3.98055	6	X
K05NA1Z	18.2	0.15	K2175	351.013	5.595	302.272	10.981	0.18485	2.52686	4	X
K05ND0D	18.0	0.15	K2175	308.806	120.659	250.002	1.283	0.16641	2.52096	9	X
K05ND0U	17.9	0.15	K2175	327.277	86.612	206.029	3.262	0.09763	2.55906	8	X
K05ND3S	17.5	0.15	K2175	124.468	208.200	117.058	7.136	0.05397	2.79819	7	V
K05O03G	19.8	0.15	K2175	337.870	206.277	141.882	5.740	0.48574	2.17253	3	X
K05O28T	18.8	0.15	K2175	318.052	152.514	165.744	4.772	0.25275	2.20307	6	X
K05P06C	18.3	0.15	K2175	2.866	338.222	320.243	11.205	0.19899	2.52421	4	X
K05P29Z	16.7	0.15	K2175	335.384	33.195	308.100	9.111	0.26673	3.06715	6	X
K05P32U	19.2	0.15	K2175	322.468	235.078	136.966	7.405	0.28199	2.17097	3	V
K05Q00W	18.4	0.15	K2175	317.456	174.784	139.480	7.230	0.20895	2.20052	7	X
K05Q06O	18.4	0.15	K2175	274.831	198.713	157.739	4.383	0.20433	2.21858	6	X
K05Q28Y	18.2	0.15	K2175	254.436	11.092	341.115	12.848	0.31043	2.61981	2	V
K05Q29T	15.7	0.15	K2175	43.614	295.676	308.550	13.434	0.14350	3.09762	13	X
K05Q51R	16.3	0.15	K2175	27.025	117.507	166.303	10.591	0.04488	3.08393	14	X
K05Q74S	16.4	0.15	K2175	336.561	178.285	179.848	12.258	0.29445	3.07305	7	X
K05Q84Q	17.4	0.15	K2175	349.406	20.843	287.006	8.181	0.16744	2.17861	11	X
K05QA5X	16.3	0.15	K2175	343.202	183.082	146.553	15.336	0.13283	3.08345	12	X
K05QC0S	18.8	0.15	K2175	354.325	151.909	153.785	2.793	0.19204	2.17954	5	X
K05QC5N	16.2	0.15	K2175	270.998	186.717	162.150	22.496	0.08320	3.20018	7	X
K05QF2R	16.8	0.15	K2175	348.383	10.408	314.365	18.231	0.21688	3.07065	6	X
K05QG0U	17.4	0.15	K2175	319.567	146.712	158.681	13.775	0.20582	2.59168	7	X
K05QG2C	16.4	0.15	K2175	332.868	215.971	134.102	12.023	0.30208	3.07608	7	X
K05QG3D	18.5	0.15	K2175	331.658	340.467	6.067	6.383	0.24209	2.17556	4	X
K05QH9N	16.6	0.15	K2175	352.648	132.431	192.125	9.095	0.20269	3.06451	6	X
K05QJ0Q	15.8	0.15	K2175	353.056	70.851	260.170	9.822	0.22428	3.06739	11	X
K05QJ3L	17.8	0.15	K2175	297.984	186.034	186.487	3.673	0.09697	2.54473	9	X
K05QJ4E	16.7	0.15	K2175	294.716	231.002	153.680	22.483	0.12281	3.08472	7	X
K05QK2F	18.0	0.15	K2175	18.150	351.077	290.381	4.496	0.12045	2.53802	8	X
K05QK8D	18.9	0.15	K2175	259.458	78.810	275.596	3.150	0.30305	2.61413	3	V
K05R03V	17.0	0.15	K2175	343.608	67.278	281.237	12.391	0.26881	3.05258	6	X
K05R04B	15.5	0.15	K2175	36.872	351.648	283.157	9.610	0.05227	3.09587	10	X
K05R05N	16.8	0.15	K2175	308.573	156.429	165.821	15.528	0.26761	3.15201	7	X
K05R33O	20.0	0.15	K2175	336.633	234.273	112.483	7.309	0.40864	1.92494	3	X
K05R52Z	16.4	0.15	K2175	18.744	16.652	270.886	3.878	0.09528	3.12545	11	X
K05R53C	16.7	0.15	K2175	326.271	167.825	175.899	12.731	0.05166	3.09263	10	X
K05R60D	16.9	0.15	K2175	18.687	106.019	181.227	7.448	0.11259	3.11496	9	X
K05S49G	19.6	0.15	K2175	324.254	168.626	193.103	5.607	0.25172	2.18657	4	X
K05S81J	16.6	0.15	K2175	308.761	191.278	179.221	8.637	0.09950	3.12078	7	X
K05S97Z	16.6	0.15	K2175	291.788	175.612	226.654	9.903	0.21402	3.13391	8	X
K05SC2G	16.2	0.15	K2175	290.872	144.085	213.638	13.821	0.29739	3.16340	6	X
K05SH5A	18.3	0.15	K2175	349.647	61.424	255.888	4.112	0.06721	2.19876	8	X
K05SI2G	16.7	0.15	K2175	348.637	121.564	210.894	9.220	0.08224	3.12761	6	X
K05SP7V	16.6	0.15	K2175	30.901	105.361	169.887	11.696	0.07660	3.12368	10	X
K05SS4V	17.7	0.15	K2175	344.774	165.211	162.965	14.320	0.12678	2.56848	9	X
K05SS8U	16.7	0.15	K2175	237.631	272.421	172.543	17.436	0.14796	3.19683	8	X
K05SU3Q	18.5	0.15	K2175	243.400	131.273	271.497	4.097	0.13117	2.22953	4	V
K05T45R	19.0	0.15	K2175	348.011	125.970	179.705	7.376	0.51012	2.16887	4	X
K05T55Q	17.3	0.15	K2175	300.992	213.855	183.331	9.883	0.20174	3.11412	6	X
K05TB7D	16.9	0.15	K2175	24.985	77.618	218.415	4.389	0.11048	3.10035	9	X
K05TF7B	16.6	0.15	K2175	1.552	107.794	218.137	9.800	0.09647	3.10852	9	X
K05TK1L	18.3	0.15	K2175	344.939	73.729	250.982	1.374	0.19018	2.56578	6	X
K05TK1S	16.6	0.15	K2175	298.297	113.697	290.773	18.650	0.16118	3.11877	6	X
K05TK2P	16.8	0.15	K2175	325.228	181.536	174.103	15.318	0.09511	3.11506	7	X
K05TK3O	16.9	0.15	K2175	304.868	105.638	284.552	14.551	0.24623	3.12519	5	X
K05TL9P	18.1	0.15	K2175	236.786	260.728	209.564	6.845	0.15840	2.56260	6	V
K05TL9P	17.6	0.15	K2175	293.747	186.551	141.731	2.319	0.08960	2.63773	9	V
K05U15F	16.5	0.15	K2175	348.286	180.257	140.306	1.552	0.17541	3.15278	11	X
K05UA1J	18.2	0.15	K2175	221.060	235.766	192.163	7.958	0.14250	2.63590	5	V
K05UB5L	17.5	0.15	K2175	288.024	93.578	228.593	7.798	0.05866	2.66297	9	X
K05UD6J	16.7	0.15	K2175	11.745	92.306	209.729	9.349	0.09575	3.14036	9	X
K05UE7E	16.2	0.15	K2175	101.564	339.369	241.130	8.656	0.00717	3.18422	10	X
K05UH5G	16.0	0.15	K2175	307.906	130.658	241.791	14.397	0.10577	3.18829	9	X
K05UK7H	19.1	0.15	K2175	350.051	118.776	205.612	6.792	0.20195	2.19348	5	X
K05UN6W	16.7	0.15	K2175	309.440	170.850	202.621	9.190	0.13332	3.17629	7	X

K05UP5S	15.9	0.15	K2175	341.778	50.785	223.328	15.608	0.04677	3.33803	9	X
K05UU0Q	16.6	0.15	K2175	310.337	188.422	180.272	9.472	0.11547	3.18857	7	X
K05UU7M	16.7	0.15	K2175	354.118	92.000	233.966	8.702	0.24458	3.13461	5	X
K05UV8T	17.8	0.15	K2175	344.696	309.087	16.356	2.898	0.15180	2.57837	8	X
K05UW0T	17.6	0.15	K2175	308.714	109.466	204.009	7.417	0.17766	2.64211	8	X
K05Uf1N	17.2	0.15	K2175	315.049	165.347	222.991	10.179	0.25370	3.14010	4	X
K05Ug7X	17.4	0.15	K2175	328.113	88.366	255.759	4.802	0.06783	2.59966	9	X
K05Uk8F	16.9	0.15	K2175	290.083	168.120	246.499	9.718	0.22170	3.15418	6	X
K05Ul8E	17.1	0.15	K2175	277.194	263.694	167.716	11.008	0.28931	3.15576	5	X
K05Uo3K	18.4	0.15	K2175	352.229	146.733	164.013	2.765	0.14848	2.20031	10	X
K05Ur1P	16.7	0.15	K2175	342.145	148.379	199.413	9.664	0.10364	3.11471	7	X
K05Ur4J	16.3	0.15	K2175	352.139	90.493	243.482	8.446	0.09152	3.16665	9	X
K05Us3A	19.2	0.15	K2175	335.851	145.756	201.797	4.003	0.23251	2.55482	5	X
K05Us8X	17.2	0.15	K2175	2.966	89.597	222.074	8.795	0.10498	3.15814	5	X
K05Us9N	16.8	0.15	K2175	292.821	119.116	274.332	8.226	0.07539	3.20308	8	X
K05Ut3K	18.3	0.15	K2175	88.095	348.360	58.298	6.367	0.01568	2.39214	5	V
K05Ut3L	20.3	0.15	K2175	223.628	137.175	267.367	3.290	0.38443	2.65179	2	V
K05Ut3M	19.9	0.15	K2175	34.019	330.203	47.598	23.109	0.07194	1.88971	2	V
K05V13E	16.4	0.15	K2175	336.262	104.182	233.749	9.636	0.11867	3.16517	8	X
K05V23P	18.6	0.15	K2175	11.316	55.251	239.346	6.056	0.20342	2.20661	6	X
K05V50O	15.9	0.15	K2175	295.802	146.339	250.101	9.769	0.19058	3.12695	9	X
K05V59R	16.9	0.15	K2175	10.495	93.203	202.764	8.792	0.07912	3.19067	7	X
K05V82S	16.8	0.15	K2175	332.355	137.057	229.768	17.811	0.22320	3.12517	6	X
K05V91Q	17.0	0.15	K2175	334.543	130.900	212.305	4.883	0.15341	3.16126	5	X
K05VC7U	17.7	0.15	K2175	321.709	171.628	181.985	8.930	0.09239	3.13292	6	X
K05VF1A	18.1	0.15	K2175	139.874	242.424	280.978	10.164	0.11252	1.99739	5	X
K05VF1J	16.6	0.15	K2175	201.355	217.718	263.813	9.329	0.04757	3.23263	8	X
K05W00T	15.3	0.15	K2175	31.293	297.718	319.089	12.876	0.10900	3.12416	11	X
K05WA9Y	17.7	0.15	K2175	331.953	93.593	237.872	2.409	0.08847	2.62019	8	X
K05WC2O	16.2	0.15	K2175	312.601	173.530	195.749	10.783	0.13741	3.10477	11	X
K05WD0K	17.4	0.15	K2175	356.241	74.523	244.770	4.110	0.11184	2.59681	11	X
K05WF3V	16.5	0.15	K2175	315.470	95.082	268.812	9.919	0.08451	3.22513	9	X
K05WK1P	17.3	0.15	K2175	154.421	260.481	262.264	11.599	0.11962	2.63528	6	X
K05WL0Q	17.5	0.15	K2175	279.315	129.755	273.586	10.983	0.11088	2.62626	7	X
K05WL8Y	16.5	0.15	K2175	249.399	70.816	64.451	10.630	0.02911	3.07393	8	V
K05X48B	18.3	0.15	K2175	116.518	125.900	47.485	5.107	0.08717	2.27480	8	X
K05XA8H	17.8	0.15	K2175	48.648	14.275	239.205	7.502	0.07164	2.63166	5	X
K05Y02V	16.0	0.15	K2175	0.260	22.472	337.422	13.471	0.29580	2.54525	10	V
K05Y30C	16.7	0.15	K2175	251.839	157.051	270.020	7.126	0.04219	2.68188	12	X
K05Y78J	16.7	0.15	K2175	311.782	102.159	288.059	10.846	0.26329	3.18686	6	X
K05YD9Y	17.1	0.15	K2175	78.757	294.563	286.623	11.381	0.13313	2.69349	7	X
K05YE6H	18.0	0.15	K2175	177.864	78.172	352.360	3.247	0.15062	2.73858	6	V
K05YF2P	16.5	0.15	K2175	311.481	113.789	280.930	10.576	0.22788	3.15712	6	X
K05YP6J	17.3	0.15	K2175	292.566	145.147	245.637	5.229	0.12876	2.64169	11	X
K05YR0K	17.3	0.15	K2175	301.430	170.355	203.073	3.781	0.09590	2.65366	9	X
K05YT0P	17.8	0.15	K2175	293.428	101.097	308.836	12.369	0.25424	2.59910	4	X
K05YU1W	18.4	0.15	K2175	221.534	338.647	86.774	8.976	0.26831	2.66023	4	V
K06A16C	17.6	0.15	K2175	36.791	121.487	125.461	5.774	0.12850	2.30365	13	X
K06AB0P	16.8	0.15	K2175	323.175	79.665	299.408	23.270	0.32596	3.19555	5	X
K06AB6N	17.9	0.15	K2175	227.983	282.335	121.816	9.268	0.17181	2.69895	3	V
K06B18B	17.4	0.15	K2175	72.588	280.175	300.296	13.023	0.16979	2.73804	5	X
K06BC9D	17.6	0.15	K2175	21.847	134.022	138.289	6.757	0.09389	2.31005	13	X
K06BK4Q	17.0	0.15	K2175	254.838	238.465	127.396	5.283	0.08761	2.76640	11	X
K06BP8T	17.4	0.15	K2175	50.769	287.945	309.043	6.722	0.15298	2.77361	6	X
K06BS1B	17.0	0.15	K2175	332.683	12.974	325.385	9.005	0.07845	2.71777	7	X
K06BS6H	17.4	0.15	K2175	310.162	248.618	128.172	13.930	0.29212	2.62450	7	X
K06BT2Z	17.3	0.15	K2175	324.853	228.900	122.853	19.347	0.24732	2.63633	6	X
K06C88P	16.6	0.15	K2175	51.059	8.493	250.494	4.290	0.05611	3.38716	6	X
K06DK4K	16.7	0.15	K2175	129.971	266.243	276.060	11.033	0.14823	2.73858	9	X
K06DL9Q	17.3	0.15	K2175	345.215	118.683	145.387	7.367	0.09784	2.80896	9	X
K06E09Q	17.0	0.15	K2175	313.876	213.318	166.538	12.453	0.09924	2.70012	12	X
K06E61Q	16.7	0.15	K2175	78.059	351.863	242.434	4.465	0.02798	2.74700	13	X
K06E76Q	17.1	0.15	K2175	318.588	209.941	159.229	13.846	0.18112	2.69884	8	X
K06E76V	17.5	0.15	K2175	270.613	213.283	209.902	5.169	0.17112	2.67821	10	X
K06E81U	18.2	0.15	K2175	126.430	9.951	171.859	5.813	0.06679	2.30243	9	X
K06F56A	17.1	0.15	K2175	77.446	28.273	196.166	8.868	0.09650	2.80962	9	X
K06H34M	18.5	0.15	K2175	24.853	81.425	201.551	4.645	0.16817	2.35466	7	X
K06J74G	17.5	0.15	K2175	193.728	227.602	192.601	1.653	0.02776	2.86784	9	V
K06J87B	18.0	0.15	K2175	342.345	213.620	112.845	2.460	0.20255	2.36191	7	X
K06J89F	19.0	0.15	K2175	30.479	293.665	37.125	4.467	0.07095	2.28614	5	V
K06K28K	18.5	0.15	K2175	88.452	337.290	227.146	3.970	0.16137	2.35614	6	X
K06K62S	17.6	0.15	K2175	0.415	97.090	207.532	10.031	0.15211	2.85431	6	X
K06KC8R	18.7	0.15	K2175	247.865	300.229	63.428	9.125	0.27861	2.45705	5	V
K06KE6W	17.3	0.15	K2175	269.510	219.855	203.437	12.624	0.09417	2.79291	8	X
K06L00A	18.5	0.15	K2175	321.047	71.086	25.040	10.864	0.84765	1.69739	3	X
K06L09P	17.1	0.15	K2175	339.742	194.563	130.504	19.116	0.14076	2.86021	5	X
K06M13T	17.2	0.15	K2175	26.545	347.121	276.423	8.825	0.21425	2.38178	10	X
K06M15T	17.5	0.15	K2175	17.661	2.606	275.686	11.222	0.24690	2.40269	9	X
K06P02X	15.9	0.15	K2175	257.296	122.850	296.227	16.290	0.11747	2.93445	11	X
K06P16Z	17.8	0.15	K2175	351.810	156.449	172.529	11.813	0.26442	2.41447	6	X
K06Q12W	16.0	0.15	K2175	287.078	292.728	98.350	8.992	0.19399	2.96322	12	X
K06Q17V	16.5	0.15	K2175	325.437	232.590	119.588	11.101	0.13707	2.93785	10	X
K06Q33L	18.7	0.15	K2175	335.431	165.340	199.843	6.999	0.44946	2.41558	4	X
K06QJ0S	16.9	0.15	K2175	248.837	217.059	156.392	8.053	0.18009	3.07732	5	X
K06R75D	15.7	0.15	K2175	341.679	308.345	25.921	1.317	0.29749	3.92957	8	X
K06R81O	17.8	0.15	K2175	323.293	184.047	174.221	9.883	0.19503	2.97112	4	X
K06R92Y	16.9	0.15	K2175	4.612	104.962	196.151	9.684	0.09223	3.00110	10	X
K06S31H	17.8	0.15	K2175	245.638	224.297	211.215	5.814	0.09892	2.42596	8	X
K06S42J	15.4	0.15	K2175	2.644	68.305	171.149	5.501	0.04626	4.28544	11	X
K06SE8W	17.1	0.15	K2175	306.425	156.591	216.768	5.523	0.09584	3.00507	9	X
K06SG4J	17.1	0.15	K2175	342.886	150.375	190.961	7.530	0.17982	2.92498	7	X
K06SG8O	18.8	0.15	K2175	342.987	130.986	200.814	5.746	0.28008	2.42778	4	X
K06SH2F	19.1	0.15	K2175	257.445	44.471	358.048	4.642	0.05547	2.11345	9	X

K06SL3N	17.6	0.15	K2175	311.663	184.165	194.883	3.999	0.19155	2.96771	5	X
K06SN7L	16.2	0.15	K2175	46.238	22.301	170.628	16.519	0.02897	3.11615	12	X
K06SO0U	17.3	0.15	K2175	72.494	52.864	179.805	10.332	0.04606	3.01375	8	X
K06SU2F	16.1	0.15	K2175	316.118	154.346	222.403	6.237	0.17690	3.95396	6	X
K06SW4M	16.9	0.15	K2175	288.972	217.345	177.976	8.659	0.13106	3.00241	6	X
K06SW5D	18.2	0.15	K2175	5.186	111.747	178.967	2.470	0.19427	2.45900	7	X
K06SW9K	17.0	0.15	K2175	330.796	163.135	187.813	10.590	0.11734	2.99323	7	X
K06Sf1R	16.3	0.15	K2175	300.262	134.812	244.332	6.361	0.04166	2.98236	13	X
K06Sg3C	17.0	0.15	K2175	349.249	107.618	207.426	3.318	0.14367	3.02183	9	X
K06Si7K	18.0	0.15	K2175	334.225	180.123	156.535	3.001	0.20968	2.46261	6	X
K06Si8K	17.2	0.15	K2175	46.896	50.531	218.539	10.042	0.05093	3.01029	8	X
K06T03T	17.2	0.15	K2175	347.944	217.296	103.084	2.671	0.23852	3.00804	6	X
K06T60Q	17.0	0.15	K2175	314.250	55.447	301.527	9.498	0.09765	2.99602	7	X
K06TB6T	16.9	0.15	K2175	124.537	359.251	111.952	13.564	0.10856	2.60090	9	X
K06U13Z	16.2	0.15	K2175	311.773	150.868	212.429	11.540	0.08970	3.04714	11	X
K06U47T	16.1	0.15	K2175	117.256	303.075	257.502	8.351	0.00976	2.97711	10	X
K06U67D	17.2	0.15	K2175	345.538	130.031	193.622	8.475	0.03020	3.01683	11	X
K06U71O	16.9	0.15	K2175	23.257	89.625	191.971	8.728	0.08616	3.03355	11	X
K06UC7D	16.6	0.15	K2175	58.687	16.737	234.542	7.083	0.13355	3.03466	9	X
K06UD9M	16.6	0.15	K2175	273.633	186.253	221.112	10.784	0.10634	3.06529	7	X
K06UG2K	17.0	0.15	K2175	243.069	238.566	190.066	10.217	0.03056	3.04103	7	X
K06UH5U	16.3	0.15	K2175	281.821	220.861	126.817	6.619	0.17086	3.07574	12	X
K06UQ8X	16.7	0.15	K2175	4.535	93.237	195.979	0.895	0.20146	3.05406	11	X
K06UU5W	17.5	0.15	K2175	31.815	103.255	173.512	9.211	0.07092	2.96492	7	X
K06UY1G	16.7	0.15	K2175	11.513	3.005	224.997	19.325	0.11442	3.21801	2	X
K06V77Y	16.3	0.15	K2175	99.291	349.523	215.484	9.266	0.04731	3.10862	12	X
K06V84P	17.7	0.15	K2175	315.662	117.830	255.766	6.518	0.25526	2.45717	6	X
K06VB0U	17.0	0.15	K2175	318.982	110.135	269.252	10.246	0.25102	3.00957	7	X
K06VC5Q	16.9	0.15	K2175	302.059	142.720	250.027	8.720	0.11837	3.03576	5	X
K06VC5R	16.8	0.15	K2175	357.798	56.229	253.862	9.264	0.03806	3.09466	7	X
K06VD9A	18.3	0.15	K2175	165.919	50.984	77.888	23.031	0.07674	1.90282	6	X
K06VH6H	16.4	0.15	K2175	275.089	151.155	273.393	10.799	0.15634	3.09623	9	X
K06VH7M	16.8	0.15	K2175	300.182	208.953	182.553	10.867	0.12874	3.02693	9	X
K06W12J	17.7	0.15	K2175	327.404	133.178	219.072	5.676	0.14331	2.48080	8	X
K06W51D	16.5	0.15	K2175	88.987	354.687	231.411	10.197	0.07597	3.11967	10	X
K06W78V	16.7	0.15	K2175	333.158	78.718	260.780	8.985	0.07410	3.07728	9	X
K06W85B	17.7	0.15	K2175	327.863	238.173	112.174	3.186	0.23257	2.47239	8	X
K06W90J	16.0	0.15	K2175	265.827	160.028	249.426	8.249	0.02448	3.13271	11	X
K06W92E	16.7	0.15	K2175	157.999	282.430	229.396	8.710	0.03430	3.10339	8	X
K06WA3P	16.2	0.15	K2175	19.343	49.972	247.499	9.868	0.08391	3.08189	9	X
K06WB4T	16.2	0.15	K2175	57.082	52.915	198.583	8.536	0.05905	3.11044	12	X
K06WB7Z	16.7	0.15	K2175	50.847	321.393	274.557	5.767	0.10076	2.61557	10	X
K06WK7Q	18.5	0.15	K2175	81.463	266.163	260.067	20.538	0.08144	1.92806	7	X
K06WL1R	16.6	0.15	K2175	236.942	231.284	206.835	9.625	0.05420	3.06972	9	X
K06WL9C	16.3	0.15	K2175	99.429	358.868	215.908	10.957	0.06457	3.13114	11	X
K06WM0R	17.0	0.15	K2175	173.196	260.818	239.281	8.655	0.03016	3.05440	9	X
K06WM5Y	16.0	0.15	K2175	52.092	2.619	264.103	9.631	0.01576	3.12039	9	X
K06WM6N	16.4	0.15	K2175	339.781	59.786	284.113	15.027	0.01945	3.13748	8	X
K06WN1T	16.5	0.15	K2175	285.029	173.563	219.901	10.262	0.08085	3.08580	8	X
K06X40A	16.8	0.15	K2175	258.704	174.917	250.989	9.862	0.11897	3.10376	6	X
K06X75K	16.4	0.15	K2175	303.405	193.426	127.027	6.329	0.19705	3.18449	9	X
K06X78K	16.1	0.15	K2175	60.202	316.536	280.950	9.561	0.04775	3.20010	10	X
K06Y60L	17.1	0.15	K2175	188.648	197.956	295.104	14.344	0.05968	2.54445	8	X
K07A32F	17.8	0.15	K2175	116.270	244.753	296.966	4.895	0.04662	2.19121	11	X
K07A37Z	18.3	0.15	K2175	253.598	288.367	67.372	17.266	0.20105	2.54936	4	V
K07BA7J	16.5	0.15	K2175	332.151	62.451	302.957	20.204	0.18905	3.10854	5	X
K07BB8Q	18.1	0.15	K2175	10.872	160.982	123.859	6.574	0.20584	2.60352	7	X
K07BB8Y	18.4	0.15	K2175	194.688	359.410	110.232	5.781	0.18565	2.56439	3	V
K07C78X	17.3	0.15	K2175	224.033	302.761	149.090	28.912	0.14183	2.56118	7	X
K07D19U	16.3	0.15	K2175	311.678	220.975	157.583	17.517	0.22974	3.19083	8	X
K07DC5O	16.3	0.15	K2175	302.388	241.135	163.907	26.559	0.25207	3.15509	7	X
K07DC6Y	16.7	0.15	K2175	293.784	247.679	153.811	16.625	0.24562	3.15589	5	X
K07E02U	17.5	0.15	K2175	290.897	233.273	163.324	23.141	0.10899	1.89514	11	X
K07EK2Q	17.9	0.15	K2175	136.556	161.824	357.166	5.774	0.06055	2.22618	9	X
K07EN1J	17.5	0.15	K2175	297.483	240.474	151.487	14.952	0.17532	2.56761	7	X
K07EO1H	14.4	0.15	K2175	335.281	107.608	185.342	26.609	0.10844	5.22984	8	X
K07EO2A	17.4	0.15	K2175	352.964	166.110	16.002	15.381	0.07340	2.85523	6	V
K07G81B	17.6	0.15	K2175	354.051	76.590	242.980	4.554	0.07103	2.67934	9	X
K07H78J	17.5	0.15	K2175	109.687	15.174	173.473	12.896	0.11808	2.66945	7	X
K07H81C	17.1	0.15	K2175	357.845	109.201	206.177	4.237	0.15647	2.68241	12	X
K07H84V	17.6	0.15	K2175	324.347	206.793	141.087	10.145	0.16715	2.24498	11	X
K07H90X	17.5	0.15	K2175	356.492	262.993	44.086	2.632	0.18968	2.70722	10	X
K07HA3A	19.0	0.15	K2175	4.666	83.958	211.099	5.745	0.19255	2.25059	6	X
K07HA3Q	17.8	0.15	K2175	348.014	159.787	173.811	14.734	0.11981	2.67529	7	X
K07HB0D	17.0	0.15	K2175	102.193	297.359	213.741	24.592	0.10705	2.75169	7	X
K07HB4V	16.9	0.15	K2175	184.883	212.806	37.048	10.947	0.17035	3.11982	4	V
K07J39S	16.1	0.15	K2175	73.852	308.749	267.394	12.152	0.15121	2.70278	14	X
K07K06L	18.2	0.15	K2175	345.429	80.807	233.547	4.044	0.14778	2.27078	9	X
K07L14S	18.9	0.15	K2175	8.100	68.915	210.390	3.693	0.23491	2.28535	2	X
K07L34R	17.7	0.15	K2175	41.870	81.400	180.467	13.824	0.14813	2.70803	6	X
K07M14H	17.8	0.15	K2175	38.820	111.934	132.432	14.301	0.19218	2.74745	8	X
K07P31P	18.3	0.15	K2175	112.063	313.476	323.859	8.837	0.41307	2.62173	2	V
K07P51X	17.1	0.15	K2175	328.991	146.843	163.192	21.670	0.23227	2.79496	6	X
K07P55A	18.0	0.15	K2175	212.160	76.799	231.324	1.505	0.25882	3.08614	3	V
K07Q20M	17.9	0.15	K2175	181.320	221.935	189.594	16.697	0.33278	3.04399	2	V
K07R04B	17.2	0.15	K2175	341.199	8.887	317.785	3.418	0.12504	2.81274	8	X
K07R05A	18.3	0.15	K2175	330.368	32.290	308.254	8.813	0.12242	2.29681	8	X
K07RB7S	18.9	0.15	K2175	318.577	122.649	193.975	6.090	0.20821	2.36097	3	X
K07RC0S	16.9	0.15	K2175	202.748	229.670	167.500	9.797	0.29658	2.99829	5	V
K07RJ8G	18.3	0.15	K2175	203.391	22.401	359.754	2.866	0.20403	3.00366	2	V
K07RM2T	19.2	0.15	K2175	321.919	162.449	198.818	4.642	0.20321	2.32755	3	X
K07RP4G	17.2	0.15	K2175	350.133	144.435	175.583	9.018	0.17100	2.80062	8	X
K07RR0X	20.0	0.15	K2175	263.119	135.640	287.755	2.892	0.27642	2.35300	2	V

K07RT1H	19.0	0.15	K2175	330.446	171.830	184.215	6.071	0.27435	2.32448	3 X
K07RT4Y	18.5	0.15	K2175	289.342	217.160	185.930	7.211	0.20011	2.33287	5 X
K07RU5S	14.9	0.15	K2175	79.747	30.549	294.791	12.737	0.05517	5.20544	2 V
K07RX5L	18.4	0.15	K2175	328.191	158.023	197.425	7.629	0.13740	2.34158	5 X
K07Rb1E	18.2	0.15	K2175	100.580	28.951	21.759	4.966	0.06085	2.55108	8 V
K07T07H	18.0	0.15	K2175	357.421	88.107	228.063	5.686	0.13407	2.33302	10 X
K07T51E	16.9	0.15	K2175	6.378	69.879	229.439	1.093	0.03386	2.90241	14 X
K07T88C	16.6	0.15	K2175	306.130	256.977	105.722	3.264	0.08144	2.91031	13 X
K07T90Y	18.7	0.15	K2175	306.396	289.565	79.279	3.195	0.18873	2.35082	5 X
K07T99H	18.7	0.15	K2175	11.484	113.607	167.173	2.396	0.20107	2.34907	6 X
K07TA4B	17.4	0.15	K2175	264.716	345.063	62.538	3.356	0.12349	2.92361	4 X
K07TF5T	18.0	0.15	K2175	320.910	141.298	220.715	6.179	0.23720	2.33137	6 X
K07TI4N	18.7	0.15	K2175	350.179	256.006	62.800	8.476	0.40825	2.32501	5 X
K07TN1U	18.4	0.15	K2175	318.525	171.830	183.339	1.308	0.20267	2.35315	6 X
K07TQ3O	16.4	0.15	K2175	144.452	224.604	237.010	8.759	0.06367	3.02096	9 X
K07TU3D	18.5	0.15	K2175	348.425	95.431	222.226	4.716	0.17126	2.35096	5 X
K07TY9Q	18.2	0.15	K2175	314.014	194.752	120.502	2.123	0.18816	2.35230	8 X
K07Ta5Y	17.8	0.15	K2175	163.232	216.585	183.164	12.628	0.25447	3.11149	2 V
K07Tj3P	15.6	0.15	K2175	350.576	191.815	121.904	16.454	0.13860	2.86579	12 X
K07Tk9W	18.3	0.15	K2175	283.625	162.119	236.981	5.219	0.11443	2.35485	7 X
K07Tl8S	16.6	0.15	K2175	261.164	265.845	86.839	10.033	0.10978	3.01382	6 X
K07Tm0U	17.5	0.15	K2175	19.111	169.249	111.176	8.099	0.11630	2.38618	9 X
K07Tn7K	16.7	0.15	K2175	210.857	325.478	21.436	17.174	0.09622	3.11618	3 V
K07Tn7L	18.8	0.15	K2175	248.741	358.858	44.793	8.343	0.17567	2.38563	5 V
K07U21G	18.5	0.15	K2175	339.130	98.156	231.522	1.351	0.21199	2.34266	5 X
K07U38Q	17.8	0.15	K2175	304.725	34.448	338.761	6.959	0.13385	2.33033	9 X
K07U53K	16.9	0.15	K2175	74.006	1.329	234.752	8.125	0.02808	2.92693	11 X
K07UA2S	17.4	0.15	K2175	171.544	148.000	236.489	2.314	0.19216	3.15484	4 V
K07UE6K	17.7	0.15	K2175	120.127	332.513	221.416	9.371	0.03808	2.38618	7 X
K07UG2N	16.4	0.15	K2175	195.849	101.564	207.431	24.490	0.21290	3.20147	7 V
K07V26V	18.3	0.15	K2175	325.966	178.302	175.975	6.918	0.19179	2.35063	6 X
K07V49G	16.4	0.15	K2175	256.488	63.237	242.278	21.483	0.25863	3.10350	3 V
K07VH8H	18.3	0.15	K2175	252.905	275.618	76.084	3.506	0.21172	2.42575	3 V
K07VK2X	18.5	0.15	K2175	315.155	168.923	214.775	5.482	0.23429	2.33519	5 X
K07VN3Q	16.1	0.15	K2175	221.651	250.406	63.268	26.488	0.20748	3.19974	4 V
K07VP8B	16.8	0.15	K2175	45.574	102.178	77.962	16.919	0.16886	3.15467	5 X
K07VS7V	16.9	0.15	K2175	348.773	62.440	261.428	11.118	0.13118	2.91511	8 X
K07VY2G	16.9	0.15	K2175	285.910	134.958	205.190	9.035	0.14247	3.02428	9 X
K07Va1Z	18.3	0.15	K2175	99.460	334.383	229.406	6.677	0.05669	2.37178	6 X
K07Vb6V	17.7	0.15	K2175	213.082	56.385	292.591	0.145	0.25060	3.10285	3 V
K07Vb6W	17.8	0.15	K2175	192.240	180.399	188.411	10.606	0.21819	3.13207	2 V
K07Vb6X	16.7	0.15	K2175	196.504	25.455	44.331	13.192	0.15145	3.00659	9 V
K07Vb6Y	19.3	0.15	K2175	266.562	56.886	356.626	1.261	0.18014	2.37271	3 V
K07W21B	16.0	0.15	K2175	190.480	186.979	289.918	9.936	0.04079	3.09331	9 X
K07W57F	16.2	0.15	K2175	237.356	175.454	266.021	10.875	0.01285	2.94041	9 X
K07W66C	18.5	0.15	K2175	350.756	204.863	111.305	2.376	0.27225	2.34723	6 X
K07W68C	17.8	0.15	K2175	2.342	353.639	299.022	9.493	0.14157	2.38112	6 X
K07W71S	17.8	0.15	K2175	327.679	279.769	61.023	3.103	0.08378	2.38284	10 X
K07X23C	17.1	0.15	K2175	313.860	59.202	286.490	11.960	0.05357	2.39104	9 X
K07X45F	17.7	0.15	K2175	319.405	128.121	245.359	2.623	0.34755	2.87692	5 X
K07X49G	16.4	0.15	K2175	277.544	124.010	283.214	9.399	0.10024	2.97466	7 X
K07X71K	17.5	0.15	K2175	155.804	18.288	56.300	2.692	0.17356	3.13941	3 V
K07Y50C	17.3	0.15	K2175	185.003	187.661	297.674	10.407	0.25175	3.06412	2 V
K07Y77Y	17.4	0.15	K2175	335.019	216.177	117.280	3.819	0.17705	2.40065	11 X
K07Y87W	17.0	0.15	K2175	137.130	268.846	262.441	8.879	0.03478	3.02276	7 X
K07Y87Y	16.7	0.15	K2175	255.490	150.131	285.023	9.064	0.04879	2.97099	6 X
K07Y90D	18.0	0.15	K2175	50.809	1.211	251.751	5.612	0.05356	2.43363	6 X
K07Y90G	16.5	0.15	K2175	83.164	85.108	109.056	26.895	0.23458	3.20923	5 X
K07Y95Z	18.6	0.15	K2175	186.125	173.753	329.921	1.913	0.14881	2.41696	6 V
K08A67S	16.1	0.15	K2175	54.193	104.355	129.490	16.863	0.18551	3.17581	8 X
K08A75J	16.4	0.15	K2175	140.945	239.173	293.434	15.800	0.06264	3.06660	7 X
K08A92G	16.2	0.15	K2175	51.573	282.804	314.866	13.365	0.14887	3.12682	8 X
K08A92V	16.4	0.15	K2175	211.225	305.704	100.587	11.173	0.13796	3.13151	9 X
K08AA8D	16.2	0.15	K2175	349.026	13.066	296.018	9.850	0.05506	3.07836	8 X
K08AE3F	16.8	0.15	K2175	319.601	109.523	263.050	10.110	0.06265	2.98666	6 X
K08AF5D	17.2	0.15	K2175	206.730	151.425	278.200	9.263	0.07750	3.11515	4 V
K08B19F	16.2	0.15	K2175	126.640	207.098	324.640	7.901	0.05251	3.07273	10 X
K08B28E	16.2	0.15	K2175	29.326	306.254	312.888	12.720	0.24505	3.16516	7 X
K08B61S	17.1	0.15	K2175	263.757	214.748	335.410	9.492	0.05742	2.80304	8 V
K08C08C	16.2	0.15	K2175	62.834	299.695	297.271	14.455	0.15532	3.13218	7 X
K08C79F	16.1	0.15	K2175	352.240	185.009	129.968	11.086	0.09717	3.11524	13 X
K08C96G	18.8	0.15	K2175	255.188	138.435	303.538	24.480	0.22046	2.38925	2 V
K08CF5Y	16.0	0.15	K2175	87.973	297.095	281.929	9.058	0.09614	3.12778	11 X
K08CG7F	16.3	0.15	K2175	26.145	147.274	119.878	15.373	0.08345	3.15499	11 X
K08CH4A	17.0	0.15	K2175	42.248	262.883	353.886	11.185	0.02715	3.11801	6 X
K08CM3O	17.5	0.15	K2175	296.644	226.017	168.218	14.479	0.09927	2.45509	7 X
K08CN4H	16.3	0.15	K2175	46.955	329.739	282.286	8.657	0.06242	3.13648	8 X
K08CN4J	16.1	0.15	K2175	93.021	294.446	288.855	12.619	0.06602	3.04561	6 X
K08CN9U	16.6	0.15	K2175	41.863	91.116	172.867	25.830	0.20410	3.21169	5 X
K08CO6B	18.6	0.15	K2175	219.088	232.303	234.114	2.233	0.14879	2.43797	6 V
K08CO6C	18.5	0.15	K2175	335.621	180.908	145.612	24.327	0.06713	1.83306	5 V
K08D75L	16.6	0.15	K2175	331.900	193.215	157.267	18.127	0.20651	3.09297	6 X
K08D91D	16.8	0.15	K2175	166.270	29.425	99.305	11.290	0.08144	3.11150	8 X
K08D92D	16.7	0.15	K2175	354.407	190.257	119.500	10.836	0.08652	3.14550	8 X
K08D92P	16.3	0.15	K2175	0.060	163.998	144.158	18.705	0.18925	3.14945	8 X
K08E96D	15.4	0.15	K2175	2.184	157.505	166.497	25.673	0.04904	3.15489	12 X
K08EC5P	17.3	0.15	K2175	60.329	24.117	212.574	5.936	0.13916	3.19283	5 X
K08ED1F	16.5	0.15	K2175	231.030	268.303	173.996	13.011	0.05473	3.09029	9 X
K08ED1H	16.6	0.15	K2175	20.751	123.025	165.278	16.155	0.06837	3.19642	11 X
K08EH7F	16.6	0.15	K2175	323.185	203.341	150.533	12.312	0.08932	3.13966	6 X
K08EH9V	16.2	0.15	K2175	9.875	42.840	260.356	8.038	0.14113	3.13364	6 X
K08EJ4U	14.9	0.15	K2175	333.514	182.845	100.132	6.628	0.16319	5.19064	6 X
K08F31S	16.3	0.15	K2175	245.951	255.898	172.297	13.673	0.01840	3.12365	15 X

K08F72F	16.3	0.15	K2175	331.799	185.857	163.078	16.553	0.17283	3.13079	11	X
K08FB6K	18.1	0.15	K2175	14.964	167.276	102.377	2.895	0.28258	2.59559	6	X
K08FE2S	17.5	0.15	K2175	305.687	182.969	136.966	5.209	0.16979	2.62086	7	X
K08G71H	18.0	0.15	K2175	346.416	123.433	162.522	17.369	0.22408	2.60800	3	X
K08G72C	16.7	0.15	K2175	281.719	212.879	181.352	9.072	0.06214	3.19293	9	X
K08GF0J	17.3	0.15	K2175	343.092	227.176	95.638	6.682	0.27727	2.60851	10	X
K08GF1K	16.5	0.15	K2175	137.589	6.528	167.280	16.463	0.01708	3.19580	10	X
K08GH4C	17.1	0.15	K2175	148.902	114.364	23.817	14.331	0.16604	3.23194	6	V
K08H72P	14.0	0.15	K2175	303.617	93.793	209.263	12.738	0.08968	5.26111	7	X
K08K15R	18.5	0.15	K2175	332.182	203.676	101.057	14.170	0.27542	2.65645	3	X
K08K23P	19.2	0.15	K2175	11.054	101.125	178.408	3.439	0.19256	2.16904	7	X
K08L03V	17.1	0.15	K2175	283.876	232.921	119.692	14.297	0.19232	2.63590	8	X
K08L09V	20.0	0.15	K2175	2.027	136.140	155.549	8.059	0.33406	2.17919	3	X
K08O12R	17.7	0.15	K2175	337.080	27.156	308.640	16.788	0.20422	2.65663	4	X
K08P11K	17.3	0.15	K2175	319.419	232.061	137.029	8.930	0.29866	2.66801	6	X
K08Q35G	17.7	0.15	K2175	29.699	350.379	276.023	4.288	0.11996	2.21336	11	X
K08Q48Z	18.3	0.15	K2175	37.950	28.940	224.281	7.840	0.13936	2.19637	5	X
K08Q49C	17.4	0.15	K2175	293.395	110.732	279.206	10.554	0.13310	2.68745	5	X
K08R08B	17.7	0.15	K2175	317.548	34.914	327.822	6.942	0.20262	2.21066	8	X
K08R32B	18.7	0.15	K2175	0.453	126.374	169.928	1.974	0.16848	2.21526	6	X
K08R56P	17.4	0.15	K2175	288.636	215.067	185.221	11.780	0.19163	2.70251	6	X
K08R59Y	17.5	0.15	K2175	343.327	80.709	251.287	5.940	0.18163	2.66011	7	X
K08RC1S	18.1	0.15	K2175	340.804	159.693	177.870	7.799	0.16600	2.68965	3	X
K08RC3P	18.1	0.15	K2175	327.988	233.700	117.042	0.861	0.17406	2.69073	5	X
K08RD1T	19.1	0.15	K2175	312.351	11.117	359.881	1.512	0.24911	2.21094	5	X
K08RE3B	17.4	0.15	K2175	9.179	114.514	179.924	8.801	0.06370	2.71471	11	X
K08RF0J	18.2	0.15	K2175	54.608	65.771	171.333	7.628	0.13546	2.21492	9	X
K08RF1N	17.8	0.15	K2175	310.551	207.788	179.180	7.400	0.24680	2.67160	3	X
K08RF7S	17.3	0.15	K2175	257.144	202.561	217.520	4.314	0.03267	2.70846	8	X
K08RH8S	19.2	0.15	K2175	326.787	134.594	186.519	9.180	0.25071	2.23792	3	V
K08S11O	17.9	0.15	K2175	342.589	130.823	200.744	3.673	0.32013	2.67939	3	X
K08S17Y	17.4	0.15	K2175	292.431	203.742	178.760	8.884	0.05110	2.68120	10	X
K08S27M	17.7	0.15	K2175	299.648	201.531	186.775	5.047	0.12357	2.70222	6	X
K08S29Y	17.4	0.15	K2175	315.577	179.893	204.110	4.405	0.16966	2.68856	6	X
K08S35X	17.4	0.15	K2175	309.530	214.197	165.626	7.920	0.16992	2.67766	8	X
K08S45F	18.5	0.15	K2175	291.223	146.316	191.205	2.833	0.14319	2.27182	7	X
K08S46N	19.4	0.15	K2175	311.016	188.042	185.452	5.759	0.23240	2.22013	4	X
K08S54B	17.6	0.15	K2175	341.062	156.358	190.856	8.465	0.19822	2.68553	5	X
K08S77Y	17.6	0.15	K2175	201.005	79.500	275.751	1.224	0.10713	2.93632	6	V
K08S78X	17.6	0.15	K2175	338.174	150.759	202.329	6.468	0.16178	2.67619	9	X
K08S91C	18.5	0.15	K2175	264.830	212.380	206.586	5.275	0.15508	2.23337	4	X
K08SC0X	18.0	0.15	K2175	336.835	109.052	221.985	2.668	0.21196	2.72095	3	X
K08SF8T	17.4	0.15	K2175	292.205	213.920	190.914	8.741	0.22857	2.69939	6	X
K08SH1F	17.8	0.15	K2175	335.567	97.360	246.364	3.570	0.11911	2.68864	7	X
K08SI1L	18.7	0.15	K2175	324.008	178.346	189.614	6.539	0.29819	2.69691	4	X
K08SI7Q	17.5	0.15	K2175	350.452	101.910	221.512	6.329	0.03676	2.73501	9	X
K08SJ1X	16.8	0.15	K2175	52.937	71.806	190.320	14.309	0.05545	2.73665	9	X
K08SL7F	17.9	0.15	K2175	340.140	73.492	265.758	6.015	0.28854	2.68230	4	X
K08SL8Z	18.6	0.15	K2175	315.839	36.639	320.416	2.913	0.19390	2.21976	5	X
K08SN2F	17.7	0.15	K2175	353.469	118.468	204.735	10.574	0.19623	2.68354	6	X
K08SQ2N	18.8	0.15	K2175	359.090	121.836	172.877	4.612	0.22987	2.22619	7	X
K08SQ8J	17.7	0.15	K2175	294.658	3.152	12.933	5.466	0.08373	2.74060	8	X
K08ST5N	17.6	0.15	K2175	317.189	164.869	204.891	3.335	0.31459	2.69195	4	X
K08SV4V	18.0	0.15	K2175	234.307	248.793	200.277	7.264	0.18682	2.25919	7	X
K08SW4D	18.3	0.15	K2175	323.410	132.633	225.694	5.512	0.17323	2.22953	9	X
K08SW6U	19.0	0.15	K2175	323.632	88.744	258.309	5.048	0.21284	2.21870	6	X
K08SW7R	18.6	0.15	K2175	274.250	231.036	174.094	6.336	0.08457	2.23771	9	X
K08SW8R	15.8	0.15	K2175	341.932	38.617	293.736	20.949	0.10628	3.46906	6	X
K08SY0K	18.3	0.15	K2175	120.211	280.570	265.077	4.560	0.06149	2.24521	8	X
K08SY1C	17.0	0.15	K2175	10.176	30.019	259.044	5.248	0.05206	2.75733	9	X
K08T07E	17.6	0.15	K2175	350.624	54.471	269.749	9.469	0.38543	2.67408	4	X
K08T48Z	17.6	0.15	K2175	343.860	23.330	306.099	2.854	0.24790	2.68971	5	X
K08T79G	17.1	0.15	K2175	257.064	239.556	189.708	12.544	0.18128	2.73617	7	X
K08TC2O	17.7	0.15	K2175	315.294	129.659	203.320	8.003	0.30576	2.74783	4	X
K08TI7N	17.4	0.15	K2175	288.921	256.221	171.654	17.172	0.26648	2.69776	5	X
K08TJ4N	17.2	0.15	K2175	308.344	231.706	155.158	19.152	0.27882	2.70088	7	X
K08TJ5R	17.2	0.15	K2175	329.049	62.437	298.185	6.285	0.06678	2.70006	8	X
K08TJ7R	17.4	0.15	K2175	262.513	204.652	229.105	8.741	0.20357	2.68722	7	X
K08TJ9M	17.7	0.15	K2175	340.375	102.872	232.016	3.986	0.17312	2.71059	5	X
K08TK0D	18.3	0.15	K2175	302.498	209.029	178.837	8.367	0.23155	2.74406	4	X
K08TL0R	18.9	0.15	K2175	329.191	72.261	281.823	5.618	0.23745	2.21254	3	X
K08TM8J	19.6	0.15	K2175	27.131	23.549	15.175	20.426	0.08453	1.83530	5	V
K08TM8K	19.4	0.15	K2175	282.220	45.415	337.984	6.475	0.20724	2.24214	3	V
K08TM8L	18.6	0.15	K2175	282.252	100.836	311.089	6.823	0.08910	2.21677	5	V
K08TM8M	18.8	0.15	K2175	337.199	85.138	274.096	6.394	0.15934	2.20360	3	V
K08U15E	17.6	0.15	K2175	309.088	102.095	275.581	3.996	0.12730	2.71248	6	X
K08U42B	17.7	0.15	K2175	342.349	90.849	243.434	2.356	0.20366	2.73545	7	X
K08U44G	17.6	0.15	K2175	333.192	133.751	219.582	5.626	0.05205	2.71425	6	X
K08U45D	17.7	0.15	K2175	304.972	138.350	233.623	4.884	0.02424	2.73698	12	X
K08U70R	17.6	0.15	K2175	173.896	278.810	112.296	2.549	0.15488	2.96397	5	V
K08U79V	17.0	0.15	K2175	283.521	164.883	238.050	7.706	0.16265	2.73689	5	X
K08UC9G	18.5	0.15	K2175	348.421	102.331	223.378	9.378	0.09561	2.23858	6	X
K08UF2K	18.0	0.15	K2175	331.061	160.214	182.498	2.194	0.19555	2.72491	3	X
K08UH6Z	17.5	0.15	K2175	325.016	70.602	228.158	6.687	0.20849	2.80669	9	X
K08UH7H	17.1	0.15	K2175	33.084	40.082	232.742	7.090	0.17877	2.74213	9	X
K08UL3D	18.9	0.15	K2175	307.955	155.032	227.403	6.670	0.20983	2.21603	5	X
K08UN7L	18.8	0.15	K2175	325.447	115.182	249.152	6.352	0.28094	2.70880	3	X
K08UO3W	19.0	0.15	K2175	322.223	52.354	308.382	4.493	0.26668	2.22711	4	X
K08UY2H	17.5	0.15	K2175	319.673	116.554	246.603	8.414	0.17745	2.74282	7	X
K08Ud2U	17.8	0.15	K2175	339.821	23.793	306.437	7.799	0.29720	2.22201	7	X
K08Ud3S	17.2	0.15	K2175	26.867	11.424	267.048	7.769	0.22802	2.71411	7	X
K08Ud7J	17.7	0.15	K2175	247.859	241.743	187.227	6.049	0.04120	2.77052	6	X
K08Ue8B	17.9	0.15	K2175	0.363	118.305	204.607	4.584	0.11788	2.72514	4	X

K08Ue9Z	18.6	0.15	K2175	325.987	145.495	200.486	3.266	0.01224	2.25293	10	X
K08Uf4N	19.3	0.15	K2175	314.446	154.865	232.939	5.203	0.11422	2.21166	3	V
K08V14W	17.8	0.15	K2175	320.570	274.161	66.076	23.814	0.02642	1.94061	8	X
K08V18Y	17.7	0.15	K2175	348.580	130.676	196.155	4.525	0.11450	2.74538	6	X
K08V80V	16.8	0.15	K2175	333.901	216.805	136.708	6.257	0.31287	2.70940	9	X
K08V85G	17.3	0.15	K2175	347.428	22.075	304.149	8.185	0.20209	2.72055	9	X
K08V95K	17.4	0.15	K2175	329.692	101.636	251.820	12.275	0.09636	2.72764	6	X
K08V99Z	18.2	0.15	K2175	316.725	134.317	235.208	4.095	0.15681	2.74811	5	X
K08VA4Q	18.9	0.15	K2175	280.589	55.737	323.671	3.373	0.14852	2.26427	3	V
K08VA4R	20.1	0.15	K2175	20.472	181.970	229.161	21.108	0.07416	1.84412	3	V
K08W20Z	17.6	0.15	K2175	353.794	84.508	237.481	3.624	0.06333	2.77702	7	X
K08W43S	16.6	0.15	K2175	357.492	45.193	261.296	2.988	0.09102	2.80917	12	X
K08W95F	16.7	0.15	K2175	305.724	228.068	153.455	14.632	0.19778	2.76474	11	X
K08W98J	17.0	0.15	K2175	341.380	73.717	265.322	11.390	0.29023	2.68590	5	X
K08X08U	18.4	0.15	K2175	309.454	173.249	208.127	6.435	0.14084	2.24012	9	X
K08X59K	17.3	0.15	K2175	253.178	168.349	272.364	10.235	0.20385	2.78266	5	X
K08Y34U	18.2	0.15	K2175	207.277	171.229	304.328	18.186	0.08693	1.94972	7	X
K08Y70N	18.3	0.15	K2175	337.900	28.437	298.102	19.047	0.07059	1.96193	6	X
K08YC2Y	17.9	0.15	K2175	65.706	338.287	272.846	8.608	0.01204	2.30496	6	X
K08YE0X	17.2	0.15	K2175	8.267	13.731	281.119	8.162	0.20072	2.33748	10	X
K08YF9D	17.3	0.15	K2175	290.945	112.855	303.808	14.311	0.29347	2.76376	5	X
K08YJ3N	17.5	0.15	K2175	161.785	248.971	160.285	1.806	0.17675	3.07865	4	V
K08YJ3O	19.2	0.15	K2175	257.392	325.124	91.870	3.644	0.15365	2.29272	4	V
K09A59U	16.9	0.15	K2175	252.043	256.317	116.562	11.570	0.12148	2.98001	6	X
K09A63V	18.2	0.15	K2175	97.301	10.821	102.747	6.931	0.08523	2.42888	4	V
K09BJ4U	16.9	0.15	K2175	329.154	89.048	271.236	11.502	0.13099	2.77340	8	X
K09C17O	17.8	0.15	K2175	171.663	193.454	253.488	7.198	0.20170	2.99047	4	V
K09C28A	16.7	0.15	K2175	52.645	54.734	144.158	27.363	0.07854	3.10612	7	X
K09C77S	16.9	0.15	K2175	2.838	133.123	111.602	11.113	0.05283	3.07672	7	X
K09D04M	13.5	0.15	K2175	268.620	192.461	144.926	19.534	0.11386	5.23501	13	X
K09D69B	16.4	0.15	K2175	133.448	355.184	104.575	10.134	0.08761	3.00824	9	X
K09DF3V	16.6	0.15	K2175	9.127	4.209	226.369	7.004	0.09837	3.18590	7	X
K09E33U	17.0	0.15	K2175	325.932	222.026	124.697	13.029	0.06297	2.93850	8	X
K09F12Z	18.0	0.15	K2175	59.809	65.541	178.513	10.052	0.15670	2.40144	6	X
K09F53B	16.8	0.15	K2175	32.897	356.500	258.834	2.978	0.17007	3.06509	9	X
K09F77R	15.7	0.15	K2175	93.315	301.438	198.853	26.410	0.20886	3.18968	10	X
K09F79Z	17.1	0.15	K2175	5.690	143.934	161.689	12.697	0.13424	3.06360	6	X
K09F84Z	16.8	0.15	K2175	50.155	166.227	67.080	10.122	0.15179	3.15794	6	X
K09F89F	17.5	0.15	K2175	58.811	297.117	278.964	9.861	0.21001	2.43362	6	X
K09H33G	19.3	0.15	K2175	325.133	250.113	212.206	20.227	0.18280	1.90040	2	V
K09H94X	16.7	0.15	K2175	353.006	230.017	237.983	13.795	0.03358	2.77990	10	V
K09HC3E	16.8	0.15	K2175	359.457	109.492	202.672	10.317	0.06551	3.06900	10	X
K09HC3F	16.9	0.15	K2175	32.146	88.342	192.243	7.527	0.05622	3.12379	8	X
K09HC5O	13.9	0.15	K2175	334.690	127.277	158.432	20.457	0.15520	5.28625	8	X
K09HC5Q	17.2	0.15	K2175	356.234	59.283	199.178	7.612	0.09828	3.23363	6	X
K09J17X	16.9	0.15	K2175	351.910	161.331	147.634	12.955	0.22258	3.15869	6	X
K09J22F	17.0	0.15	K2175	10.114	104.126	192.136	8.834	0.07881	3.14390	7	X
K09K22U	14.1	0.15	K2175	286.136	156.431	169.323	17.987	0.12581	5.19182	13	X
K09K25S	17.6	0.15	K2175	299.044	166.867	158.958	4.406	0.13242	2.52880	10	X
K09K38S	16.7	0.15	K2175	105.311	277.457	212.485	10.295	0.18798	2.53004	8	X
K09K43U	18.5	0.15	K2175	359.708	166.199	127.814	2.994	0.18999	2.47091	3	X
K09M11Z	15.9	0.15	K2175	142.602	254.311	276.336	11.235	0.09109	3.25977	9	X
K09N00R	15.3	0.15	K2175	51.062	114.580	135.662	23.758	0.07699	3.22337	11	X
K09N02L	16.7	0.15	K2175	9.160	162.210	139.958	14.629	0.18323	2.52999	10	X
K09O29T	17.0	0.15	K2175	109.154	147.175	230.847	12.978	0.13253	2.89669	4	V
K09Q54J	17.7	0.15	K2175	359.781	34.553	273.190	4.473	0.18625	2.52766	10	X
K09Q79B	18.7	0.15	K2175	215.310	249.272	146.840	2.476	0.23759	2.68619	2	V
K09R35K	18.7	0.15	K2175	317.875	186.307	190.403	8.754	0.30390	2.55685	4	X
K09SB1X	17.7	0.15	K2175	249.626	41.297	305.700	3.901	0.12887	2.70409	5	V
K09SB2J	18.8	0.15	K2175	359.335	88.432	226.733	4.564	0.25013	2.54147	5	X
K09SI1R	16.6	0.15	K2175	251.478	246.528	185.767	9.726	0.06311	3.41998	6	X
K09SW3N	17.9	0.15	K2175	314.164	210.848	174.311	12.365	0.18344	2.54368	7	X
K09SY7Y	17.9	0.15	K2175	332.942	119.167	173.029	5.939	0.18746	2.63103	8	X
K09Sf6U	18.0	0.15	K2175	201.254	46.783	29.109	14.126	0.18446	2.69283	4	V
K09Sf6V	17.6	0.15	K2175	206.502	101.194	240.602	3.333	0.11512	2.80316	4	V
K09T52V	17.1	0.15	K2175	352.231	169.010	140.552	10.440	0.22482	2.58039	8	X
K09T56X	17.1	0.15	K2175	193.653	268.913	1.902	2.627	0.16464	2.98651	6	V
K09T56Y	18.6	0.15	K2175	227.698	161.803	229.477	8.078	0.20571	2.70490	2	V
K09U31Z	17.3	0.15	K2175	326.456	301.852	42.764	7.957	0.12986	2.60904	9	q
K09U56B	17.5	0.15	K2175	352.841	79.419	240.058	2.203	0.22805	2.57953	10	X
K09U92C	17.0	0.15	K2175	145.533	250.248	272.044	13.297	0.03286	2.62074	7	X
K09UH2Z	18.2	0.15	K2175	344.838	175.434	151.109	12.188	0.18248	2.58725	7	X
K09UI7A	16.7	0.15	K2175	128.955	77.327	216.826	8.692	0.08293	3.15740	8	V
K09UI7B	17.7	0.15	K2175	286.459	307.322	22.742	3.998	0.15733	2.65675	6	V
K09VC2M	16.9	0.15	K2175	217.949	165.864	232.576	11.399	0.10591	2.70567	6	X
K09W02N	18.3	0.15	K2175	339.508	139.472	210.377	3.356	0.17002	2.56397	6	X
K09W58H	17.4	0.15	K2175	334.334	75.212	204.404	4.112	0.03897	2.74162	11	X
K09W91J	17.1	0.15	K2175	318.934	104.513	262.754	11.126	0.19548	2.59003	8	X
K09WG0P	18.1	0.15	K2175	254.767	115.557	252.358	12.162	0.15487	2.69746	3	V
K09WG9K	17.8	0.15	K2175	282.551	192.624	217.690	5.239	0.20251	2.61120	6	X
K09WI0U	18.1	0.15	K2175	309.519	147.230	226.227	8.631	0.14865	2.61830	6	X
K09WJ8X	17.4	0.15	K2175	237.409	247.168	119.277	5.502	0.13053	2.76215	7	V
K09W01Z	17.1	0.15	K2175	282.609	227.057	106.940	7.491	0.04741	2.75347	10	X
K09W02G	17.5	0.15	K2175	270.194	149.986	261.026	11.360	0.10641	2.62753	6	X
K09WQ6J	17.5	0.15	K2175	288.997	281.023	39.237	2.679	0.19798	2.68985	6	V
K09X09M	17.1	0.15	K2175	282.026	243.940	154.652	6.529	0.17263	2.63741	11	X
K09X26V	17.1	0.15	K2175	260.422	126.713	288.346	20.734	0.06327	2.72034	5	X
K09Y15Q	15.9	0.15	K2175	120.486	266.845	288.657	14.918	0.06318	2.72260	12	X
K09Y21V	16.8	0.15	K2175	257.005	252.832	187.509	5.294	0.20926	2.64450	12	X
K09Y31V	17.1	0.15	K2175	317.164	93.471	269.048	4.983	0.04001	2.67059	11	X
K10A00C	16.8	0.15	K2175	298.638	113.534	307.972	29.103	0.37882	2.60165	4	X
K10A22L	16.3	0.15	K2175	336.487	219.441	129.700	13.542	0.19118	2.68962	13	X
K10A46X	17.0	0.15	K2175	319.293	77.577	289.789	13.613	0.11468	2.66514	8	X

K10A51X	17.5	0.15	K2175	221.087	226.983	232.873	4.439	0.09269	2.71052	10	X
K10AE2H	17.7	0.15	K2175	295.915	93.791	308.795	13.952	0.12207	2.65307	5	X
K10AF8L	17.1	0.15	K2175	5.477	18.305	300.303	14.501	0.12949	2.67566	8	X
K10BA8Y	17.5	0.00	K2175	220.025	250.669	206.536	8.632	0.13314	2.63881	8	X
K10C09N	15.8	0.00	K2175	86.971	255.543	239.213	24.205	0.25618	3.06950	7	X
K10C75A	17.2	0.15	K2175	69.552	84.486	144.863	4.488	0.03520	2.81814	10	X
K10C75D	17.3	0.15	K2175	297.004	244.992	140.418	7.202	0.20991	2.71331	10	X
K10C85S	17.2	0.15	K2175	347.970	180.728	138.119	4.910	0.06675	2.75746	11	X
K10C99U	17.0	0.15	K2175	299.944	230.975	137.482	4.696	0.11439	2.76157	8	X
K10CE1L	18.1	0.15	K2175	40.834	77.958	165.219	10.670	0.19786	2.28275	5	X
K10CG1E	16.6	0.15	K2175	215.066	354.185	106.055	14.531	0.18690	2.74841	9	X
K10CH5Z	18.7	0.15	K2175	351.501	169.885	141.668	21.347	0.09222	1.87361	3	X
K10CP8S	16.9	0.15	K2175	159.911	341.680	331.906	22.374	0.14381	3.03952	3	V
K10D03F	16.8	0.15	K2175	332.279	160.341	196.080	5.797	0.04816	2.71906	10	X
K10DA3C	17.3	0.15	K2175	212.104	197.335	274.505	10.302	0.14984	2.66362	6	X
K10DB0O	17.4	0.15	K2175	304.385	237.935	128.418	13.773	0.12843	2.76695	5	X
K10DB2B	18.6	0.15	K2175	114.046	254.166	322.799	5.047	0.11401	2.22448	6	V
K10F01G	17.7	0.15	K2175	358.898	148.922	141.909	6.527	0.22343	2.29640	9	X
K10FC6Y	17.5	0.15	K2175	267.533	170.924	263.021	10.533	0.15637	2.63438	6	X
K10G20F	16.9	0.15	K2175	337.329	221.251	121.296	11.246	0.37430	3.11153	7	X
K10G67K	17.4	0.15	K2175	347.264	67.018	210.785	22.859	0.22219	2.35292	7	X
K10G70B	17.5	0.15	K2175	341.719	95.381	195.658	19.785	0.28660	3.16645	4	X
K10G79N	16.9	0.15	K2175	20.574	13.990	274.498	11.336	0.17971	3.05894	7	X
K10G89V	16.0	0.15	K2175	54.601	332.290	289.702	8.455	0.11570	3.02519	10	X
K10GK2X	18.4	0.15	K2175	17.527	120.599	166.681	5.490	0.10693	2.28120	7	X
K10GL0V	17.9	0.15	K2175	235.703	168.583	73.268	6.201	0.12876	2.58210	5	V
K10H56P	16.0	0.15	K2175	322.752	118.879	184.457	18.352	0.14248	3.21345	10	X
K10H69T	16.8	0.15	K2175	334.796	158.863	130.797	28.947	0.19445	3.20473	4	X
K10H90T	16.4	0.15	K2175	359.486	25.926	289.659	14.483	0.10359	3.09237	6	X
K10H95U	16.5	0.15	K2175	329.929	35.038	310.094	9.338	0.23640	3.13318	7	X
K10H96Z	16.7	0.15	K2175	92.435	283.622	293.831	10.923	0.14601	3.05201	7	X
K10H98C	16.8	0.15	K2175	13.712	36.654	271.156	11.068	0.11435	2.75630	10	X
K10H99J	16.7	0.15	K2175	10.746	102.321	122.919	25.758	0.34850	3.20248	5	X
K10HA8D	18.3	0.15	K2175	99.617	351.754	205.319	4.428	0.13994	2.29637	9	X
K10J06G	16.3	0.15	K2175	334.173	54.475	296.744	26.162	0.38111	3.13638	4	X
K10J14C	16.0	0.00	K2175	358.393	29.681	270.563	9.339	0.20275	3.13261	7	X
K10J35Y	18.5	0.15	K2175	28.887	63.013	203.653	3.812	0.13988	2.30298	8	X
K10J46Y	18.4	0.15	K2175	64.434	337.862	255.322	5.676	0.12476	2.29374	9	X
K10JD0G	16.3	0.15	K2175	3.014	15.303	291.200	12.870	0.17973	3.12195	6	X
K10JD6O	16.6	0.00	K2175	321.545	197.462	175.497	17.920	0.16487	3.10140	6	X
K10JE4E	16.7	0.15	K2175	27.847	11.564	262.492	7.713	0.09001	3.13608	5	X
K10JF5V	18.5	0.15	K2175	17.780	126.223	147.925	2.908	0.15661	2.32717	6	X
K10JG5U	16.5	0.15	K2175	79.153	284.588	224.591	10.990	0.17069	3.10389	10	X
K10JH2J	16.9	0.15	K2175	345.788	73.314	203.144	21.899	0.21319	3.10685	5	X
K10JH4F	18.4	0.15	K2175	213.363	335.691	114.167	24.778	0.08910	1.90724	6	V
K10JH9Y	17.0	0.15	K2175	348.696	60.043	272.057	10.780	0.23783	3.10649	6	X
K10JK5Z	17.2	0.15	K2175	21.804	28.280	255.335	5.406	0.11863	3.12150	6	X
K10JK7Z	16.9	0.15	K2175	347.865	154.708	175.856	7.441	0.17044	3.12033	7	X
K10K01M	16.5	0.15	K2175	251.264	160.219	292.249	12.865	0.13993	2.70128	10	X
K10K46A	16.4	0.15	K2175	312.943	77.664	287.948	16.920	0.08473	3.14687	6	X
K10K53N	16.7	0.15	K2175	4.457	149.508	164.875	18.902	0.17687	3.11387	5	X
K10K59N	16.1	0.15	K2175	340.420	56.709	276.559	11.119	0.14965	3.15164	6	X
K10K87S	17.0	0.15	K2175	329.317	73.317	295.952	23.710	0.35313	3.14877	2	X
K10KA3T	16.5	0.15	K2175	338.368	85.424	245.700	7.699	0.09243	3.17103	8	q
K10KA8D	16.6	0.15	K2175	338.906	183.148	156.541	11.306	0.22595	3.15436	8	X
K10KB9P	18.7	0.15	K2175	33.100	65.561	191.939	4.260	0.20086	2.28410	5	X
K10KB9V	17.0	0.15	K2175	335.089	170.005	182.953	11.222	0.24688	3.14575	6	X
K10KC1B	16.8	0.15	K2175	345.449	78.459	270.234	5.917	0.20553	3.12177	6	X
K10KC3R	16.4	0.15	K2175	25.710	138.394	130.687	27.990	0.19635	3.16228	9	X
K10KE5Q	17.0	0.15	K2175	296.049	222.376	177.269	10.149	0.21697	3.15181	4	X
K10KE7U	16.7	0.15	K2175	357.032	141.467	183.646	10.183	0.22505	3.11982	7	X
K10KF6S	18.0	0.15	K2175	54.355	350.797	246.808	4.614	0.11777	2.31507	8	X
K10KF9P	16.7	0.15	K2175	306.127	215.260	94.846	15.566	0.12647	3.10055	3	X
K10L16U	15.9	0.15	K2175	41.710	124.052	126.899	19.594	0.11358	3.19485	9	X
K10L34N	17.2	0.15	K2175	101.542	29.609	164.135	23.258	0.26422	2.30125	8	X
K10L37R	16.3	0.15	K2175	309.310	258.665	129.800	27.157	0.26688	3.17222	7	X
K10L50M	16.6	0.15	K2175	37.775	21.061	243.244	9.653	0.17348	3.15248	6	X
K10L81Z	16.5	0.15	K2175	356.980	35.307	281.357	9.459	0.01386	3.18665	7	X
K10L85J	17.1	0.15	K2175	358.521	14.819	295.869	9.478	0.20500	3.16583	5	X
K10LA7K	17.3	0.15	K2175	15.862	111.185	166.037	13.631	0.26294	3.03685	6	X
K10LC1H	17.2	0.15	K2175	5.991	23.521	275.059	10.150	0.15148	2.27409	11	X
K10LC8P	16.6	0.15	K2175	349.418	57.561	283.834	8.930	0.24176	3.14049	6	X
K10LM03L	17.9	0.15	K2175	340.691	221.693	103.109	10.959	0.27102	2.35331	5	X
K10M17E	15.9	0.15	K2175	21.535	36.172	262.226	21.268	0.08707	3.15959	7	X
K10M29X	17.1	0.15	K2175	348.890	56.412	274.381	8.802	0.23925	3.16587	2	X
K10M31E	16.7	0.00	K2175	1.204	142.227	182.046	14.857	0.20024	3.14364	4	X
K10M32E	17.2	0.15	K2175	326.784	178.757	190.878	12.471	0.21502	3.16342	5	X
K10M86D	15.9	0.15	K2175	244.783	292.950	161.076	27.118	0.22174	3.24156	7	X
K10MA0M	16.5	0.15	K2175	191.878	238.170	261.615	10.573	0.19412	2.78135	10	X
K10MA9F	16.8	0.15	K2175	322.759	113.271	275.594	25.510	0.32540	3.16895	4	V
K10MA9O	16.6	0.15	K2175	347.833	183.447	143.562	16.755	0.20909	3.19689	7	X
K10MC6N	17.3	0.15	K2175	358.965	335.129	314.836	7.420	0.36747	2.99443	3	X
K10MF0P	18.5	0.15	K2175	289.927	175.268	113.700	4.087	0.17456	2.45609	3	V
K10N31W	17.1	0.15	K2175	21.795	100.184	237.230	6.165	0.17947	3.08134	4	V
K10N65M	15.7	0.15	K2175	108.314	293.365	271.919	10.891	0.06934	3.25840	10	X
K10N85F	18.2	0.15	K2175	30.420	78.173	169.191	5.919	0.20607	2.31752	7	X
K10NE8A	16.7	0.15	K2175	22.615	97.614	113.682	26.661	0.18225	3.23176	7	X
K10O24E	16.4	0.15	K2175	330.146	175.356	190.393	15.392	0.12787	3.20288	9	X
K10O29R	16.9	0.15	K2175	337.747	162.022	191.503	27.006	0.17272	3.20157	4	X
K10O56B	17.4	0.15	K2175	330.357	140.033	174.182	19.665	0.28827	3.05746	5	X
K10O89Z	16.9	0.15	K2175	9.422	6.430	287.398	12.586	0.14406	2.96525	5	X
K10OD3M	16.3	0.15	K2175	293.421	237.470	170.868	18.859	0.14039	3.22384	9	X
K10OE8N	17.3	0.15	K2175	342.989	186.996	82.649	22.644	0.20851	3.09483	3	X

K100F3N	16.9	0.15	K2175	347.077	80.033	245.860	7.751	0.11382	3.13199	7	X
K10P27B	19.1	0.15	K2175	356.748	327.647	327.017	4.804	0.40866	2.38050	5	X
K10P47C	17.8	0.15	K2175	327.704	230.817	116.096	9.956	0.21928	2.43768	8	X
K10P76K	18.4	0.15	K2175	318.185	181.580	131.466	3.439	0.22886	2.44919	5	X
K10P88M	18.6	0.15	K2175	348.440	140.106	181.110	2.675	0.21472	2.38329	5	X
K10R22V	16.2	0.15	K2175	306.762	121.039	263.870	10.737	0.07460	3.14105	7	X
K10R29M	16.9	0.15	K2175	332.481	193.726	172.737	18.064	0.21980	3.13955	5	X
K10R42N	18.0	0.15	K2175	345.078	21.871	299.194	6.362	0.17852	2.40161	4	X
K10R43O	16.8	0.15	K2175	39.049	357.983	279.242	9.430	0.07074	3.14393	5	X
K10R43S	17.9	0.15	K2175	348.878	76.404	258.018	6.417	0.13952	2.37881	7	X
K10R45B	15.9	0.15	K2175	355.757	43.080	279.412	10.050	0.09231	3.14788	10	X
K10R65L	15.9	0.15	K2175	336.208	174.040	187.478	18.008	0.20791	3.12979	11	X
K10R70K	16.9	0.15	K2175	293.537	237.292	167.082	16.348	0.24693	3.18432	6	X
K10R74O	18.2	0.15	K2175	338.383	88.903	244.931	7.112	0.14141	2.40296	6	X
K10R75S	17.0	0.15	K2175	23.923	8.529	271.911	7.299	0.10482	2.38219	10	X
K10R81L	17.8	0.15	K2175	325.291	243.479	104.918	2.547	0.20423	2.41027	9	X
K10R82K	17.1	0.15	K2175	317.361	74.701	291.208	6.902	0.13729	2.40205	9	X
K10R88N	16.7	0.15	K2175	61.580	333.789	272.250	8.834	0.08748	3.15045	8	X
K10R91B	16.8	0.15	K2175	342.488	132.316	200.136	10.100	0.10642	3.18244	6	X
K10R95M	16.6	0.15	K2175	28.790	47.776	235.695	7.922	0.05491	3.17858	10	X
K10RA9Q	17.5	0.15	K2175	302.271	118.490	263.950	6.663	0.10682	2.41243	7	X
K10RB9U	16.5	0.15	K2175	57.635	18.142	244.190	8.910	0.05804	3.15034	7	X
K10RC2D	16.4	0.15	K2175	342.143	46.757	283.352	9.513	0.03476	3.19354	9	X
K10RC4L	17.9	0.15	K2175	327.010	109.459	244.696	3.362	0.20105	2.41258	5	X
K10RC5L	18.2	0.15	K2175	1.778	161.703	136.704	3.139	0.16924	2.42116	5	X
K10RD0J	16.4	0.15	K2175	5.173	11.263	300.024	14.111	0.06423	3.16822	5	X
K10RD1S	16.0	0.15	K2175	354.868	42.313	282.133	15.715	0.21994	3.14270	5	X
K10RE7V	16.3	0.15	K2175	280.848	119.981	302.393	8.721	0.11675	3.15869	8	X
K10RE7Z	16.8	0.15	K2175	351.394	150.969	185.178	13.593	0.18962	3.15771	7	X
K10RG1K	16.2	0.15	K2175	284.278	137.191	266.429	9.945	0.12426	3.17124	6	X
K10RG1Z	17.4	0.15	K2175	333.868	62.322	290.529	6.757	0.13693	2.37713	9	X
K10RG6P	16.8	0.15	K2175	348.217	161.317	175.944	17.934	0.22612	3.14484	6	X
K10RI0P	18.0	0.15	K2175	43.935	38.805	227.656	6.036	0.14017	2.39490	7	X
K10RK8W	17.7	0.15	K2175	59.194	6.687	243.621	5.883	0.07630	2.36815	9	X
K10RK9T	17.2	0.15	K2175	4.207	41.684	263.388	7.339	0.13265	3.11370	5	X
K10S02G	18.3	0.15	K2175	18.552	318.315	302.621	6.859	0.29106	2.41936	4	X
K10S32G	18.1	0.15	K2175	4.022	197.134	99.537	3.679	0.13247	2.42319	5	X
K10S35Y	16.4	0.15	K2175	9.211	334.454	307.307	13.687	0.25056	3.17679	8	X
K10S54Z	17.9	0.15	K2175	313.460	120.010	248.688	5.915	0.15327	2.41129	7	X
K10S55N	16.8	0.15	K2175	326.920	182.178	174.917	13.842	0.18232	3.16837	7	X
K10T37J	16.7	0.15	K2175	335.004	121.885	232.392	14.976	0.33389	3.15708	4	X
K10T45Y	18.7	0.15	K2175	355.414	78.981	229.896	1.530	0.19245	2.42368	5	X
K10T50J	17.4	0.15	K2175	342.824	187.616	136.176	4.547	0.30181	2.40687	8	X
K10T81K	17.4	0.15	K2175	270.333	171.566	241.600	4.764	0.11037	2.41551	11	X
K10T91F	18.5	0.15	K2175	318.636	174.758	185.825	6.594	0.18011	2.41692	3	X
K10TA5W	16.9	0.15	K2175	313.599	174.278	207.449	12.155	0.11402	3.20961	7	X
K10TD2Y	18.9	0.15	K2175	245.860	224.143	143.539	6.944	0.18951	2.52816	3	V
K10TF9L	18.7	0.15	K2175	339.255	175.800	149.958	1.808	0.20156	2.42492	4	X
K10TG4X	16.8	0.15	K2175	352.883	76.392	258.321	8.038	0.12073	3.18066	8	X
K10TH7G	17.8	0.15	K2175	341.404	178.370	167.130	7.877	0.25219	2.39784	6	X
K10TL4A	16.5	0.15	K2175	353.021	71.997	245.924	8.084	0.08076	3.19917	8	X
K10TM4G	18.3	0.15	K2175	202.119	33.970	333.427	2.138	0.11621	2.65349	2	V
K10U10M	18.2	0.15	K2175	333.369	145.025	212.690	7.087	0.25030	2.40707	3	X
K10V55J	18.3	0.15	K2175	335.211	137.174	214.832	7.889	0.19825	2.42538	5	X
K10V68P	16.7	0.15	K2175	318.870	114.886	259.926	7.358	0.20308	3.12715	8	X
K10V68R	15.9	0.15	K2175	46.092	354.008	272.900	8.320	0.10927	3.11808	9	X
K10VF2X	18.0	0.15	K2175	319.951	264.978	95.815	2.514	0.20361	2.44431	7	X
K10VK8Q	16.2	0.15	K2175	311.048	124.446	258.354	10.079	0.02488	3.22627	9	X
K10VQ6V	18.7	0.15	K2175	169.088	7.515	235.334	19.754	0.03964	1.92707	5	V
K10W60K	17.8	0.15	K2175	228.695	106.143	265.372	15.049	0.37763	2.53062	3	V
K10W79W	17.2	0.15	K2175	197.857	5.507	101.225	14.988	0.12050	2.58996	7	V
K10XB0S	17.3	0.15	K2175	156.769	242.152	266.654	14.031	0.05709	2.54349	8	X
K10XB7A	18.5	0.15	K2175	222.273	14.381	65.457	6.149	0.22396	2.56628	3	V
K10XB7B	18.9	0.15	K2175	263.246	226.559	151.188	3.640	0.28634	2.52140	4	V
K10Y07A	17.5	0.15	K2175	215.406	343.200	95.658	16.141	0.08162	2.57657	5	V
K11A85Y	17.5	0.15	K2175	335.740	38.248	304.656	14.438	0.14736	2.54237	6	X
K11A98X	17.2	0.15	K2175	35.218	323.952	302.874	11.438	0.10412	2.62714	6	X
K11AA3H	17.4	0.15	K2175	343.827	212.812	105.059	14.398	0.12180	2.57385	9	X
K11AA3X	18.0	0.15	K2175	211.258	209.000	78.231	8.098	0.11595	2.27790	8	V
K11AA3Y	16.7	0.15	K2175	234.183	115.992	152.893	10.969	0.06112	2.96566	8	V
K11AA3Z	17.8	0.15	K2175	302.339	231.385	94.892	6.179	0.07439	2.63689	7	V
K11B05L	17.6	0.15	K2175	29.692	94.192	128.725	5.503	0.01777	2.69347	7	X
K11B83N	18.1	0.15	K2175	192.343	258.376	212.575	4.825	0.20835	2.59813	4	V
K11BF3P	17.7	0.15	K2175	294.188	94.236	303.111	6.533	0.07472	2.42577	10	X
K11BH8C	17.6	0.15	K2175	9.653	148.483	146.090	13.765	0.14996	2.62714	7	X
K11BJ4O	17.6	0.15	K2175	291.648	351.667	31.835	5.700	0.18833	2.53904	7	X
K11BK2R	16.8	0.15	K2175	336.522	341.440	157.296	10.942	0.01816	3.10288	7	V
K11BK2S	18.3	0.15	K2175	284.255	341.653	163.266	7.136	0.12491	2.39066	5	V
K11BK2T	18.1	0.15	K2175	231.146	317.895	90.576	13.619	0.16283	2.68004	3	V
K11BK2U	17.9	0.15	K2175	268.195	264.667	94.189	12.918	0.28798	2.57769	4	V
K11C69D	16.6	0.15	K2175	74.025	314.357	267.107	10.685	0.13136	2.63429	8	X
K11C73O	17.2	0.15	K2175	83.919	280.163	284.705	11.807	0.24018	2.70558	5	X
K11CC7T	18.1	0.15	K2175	354.106	245.568	56.745	2.834	0.06133	2.64002	6	X
K11CE0O	16.7	0.15	K2175	139.423	200.839	108.430	10.518	0.07596	3.15314	7	V
K11CE0P	17.0	0.15	K2175	101.866	241.197	135.989	9.436	0.07567	3.04016	5	V
K11D38Z	17.6	0.15	K2175	309.134	205.899	168.768	11.484	0.18234	2.58739	7	X
K11D59F	17.4	0.15	K2175	207.551	99.995	299.742	5.710	0.07314	2.75032	7	V
K11E02M	17.7	0.15	K2175	17.260	76.580	149.392	8.308	0.13168	2.78211	5	X
K11EA5W	18.3	0.15	K2175	50.657	253.384	342.572	7.285	0.15468	2.74708	4	X
K11EA8L	19.1	0.15	K2175	88.408	271.287	168.189	23.109	0.07563	1.87901	4	V
K11F81R	17.5	0.15	K2175	45.514	82.743	175.486	13.705	0.18652	2.73904	7	X
K11F87R	19.2	0.15	K2175	8.786	292.466	332.613	4.745	0.41150	2.21057	3	X
K11FA6D	17.6	0.15	K2175	248.553	184.134	248.468	6.488	0.08566	2.63348	7	X

K11FB1D	17.4	0.15	K2175	48.287	52.310	200.956	10.878	0.17929	2.73610	7	X
K11FD7H	17.6	0.15	K2175	213.464	72.781	353.425	8.494	0.14002	2.68732	7	V
K11FF7P	16.4	0.15	K2175	300.273	198.321	173.544	10.245	0.06674	2.67646	13	X
K11FH0H	16.9	0.15	K2175	233.530	178.495	146.736	10.498	0.03972	3.00115	5	V
K11G01Q	16.7	0.15	K2175	324.888	79.620	261.724	4.868	0.05247	2.70807	15	X
K11G20D	17.6	0.15	K2175	34.773	41.211	229.622	8.950	0.06041	2.71601	6	X
K11G31P	17.8	0.15	K2175	78.188	2.672	226.410	6.304	0.06583	2.71264	5	X
K11G38K	17.0	0.15	K2175	59.204	72.232	163.441	12.322	0.13143	2.72588	11	X
K11G91Y	16.9	0.15	K2175	309.040	191.948	141.153	22.263	0.16680	2.76962	6	X
K11H09B	15.9	0.15	K2175	263.712	171.846	182.145	16.955	0.14367	2.86962	13	X
K11H80E	17.6	0.15	K2175	93.035	7.079	191.428	7.580	0.15001	2.78652	6	X
K11H81H	17.1	0.15	K2175	36.733	56.988	201.471	7.455	0.24693	2.79441	9	X
K11H85H	16.9	0.15	K2175	342.967	162.114	183.725	9.201	0.12434	2.67275	11	X
K11J36Z	16.7	0.15	K2175	8.526	167.090	122.493	14.736	0.03357	2.80252	8	X
K11K36N	6.8	0.15	K2175	300.422	87.984	111.275	3.070	0.05225	43.01874	7	X
K11K48R	16.2	0.15	K2175	31.202	135.835	124.995	13.181	0.11142	2.78532	14	X
K11K56Q	19.3	0.15	K2175	356.127	128.051	179.800	4.193	0.25567	2.19511	5	X
K11K58L	16.9	0.15	K2175	253.630	82.721	230.467	8.831	0.17832	3.07802	7	V
K11L03P	17.1	0.15	K2175	112.925	25.524	161.828	17.788	0.13020	2.78631	7	X
K11L06E	18.7	0.15	K2175	7.120	146.845	143.169	3.081	0.15875	2.19574	10	X
K11L20D	16.3	0.15	K2175	340.243	165.978	195.027	11.664	0.50207	2.96161	9	X
K11L26U	19.0	0.15	K2175	344.748	170.283	162.743	8.852	0.34940	2.20828	3	X
K11L34J	16.8	0.15	K2175	310.975	100.196	285.844	13.562	0.16006	2.87280	7	X
K11M02J	18.7	0.15	K2175	350.483	60.086	263.472	6.281	0.17573	2.21880	7	X
K11O02G	18.1	0.15	K2175	55.001	333.760	272.197	7.230	0.07998	2.23879	9	X
K11O03K	18.8	0.15	K2175	325.238	161.423	145.831	3.296	0.22730	2.27145	5	X
K11O12C	18.9	0.15	K2175	314.942	80.426	279.098	4.560	0.20198	2.23413	6	X
K11O51G	18.3	0.15	K2175	225.407	304.806	135.700	24.114	0.06705	1.84947	7	X
K11O59O	16.2	0.15	K2175	299.945	177.882	144.134	19.021	0.20646	3.12204	7	X
K11O69Q	19.0	0.15	K2175	353.636	116.992	149.468	3.743	0.24357	2.26807	5	X
K11O74G	19.8	0.15	K2175	308.536	163.607	133.644	7.007	0.28798	2.30882	2	V
K11O74H	19.0	0.15	K2175	271.903	243.359	119.224	7.821	0.22525	2.30513	3	V
K11P11E	17.5	0.15	K2175	336.920	160.998	137.358	9.244	0.29565	2.27024	9	X
K11P21F	17.0	0.15	K2175	54.685	63.656	186.432	8.089	0.10634	3.11409	6	X
K11Q49C	18.6	0.15	K2175	352.861	108.659	215.269	5.984	0.21665	2.22716	7	X
K11Q55E	18.6	0.15	K2175	305.391	103.917	286.742	4.277	0.16654	2.24035	5	X
K11Q60D	16.0	0.15	K2175	333.465	15.315	315.515	8.461	0.03059	3.02137	12	X
K11Q78M	19.1	0.15	K2175	350.723	172.056	150.414	6.817	0.21874	2.24051	4	V
K11Q86E	17.3	0.15	K2175	5.023	133.205	180.491	11.099	0.09366	2.91927	8	X
K11Q96D	16.0	0.15	K2175	323.565	144.447	161.205	17.526	0.28358	3.05491	10	X
K11QB0X	17.2	0.15	K2175	30.384	60.136	223.773	7.957	0.05479	2.95586	6	X
K11R05U	18.1	0.15	K2175	7.123	44.200	198.337	9.518	0.11775	2.31535	6	X
K11R10A	19.0	0.15	K2175	342.592	143.486	188.825	4.451	0.23293	2.24194	4	X
K11S21Z	17.5	0.15	K2175	5.533	41.242	229.399	16.481	0.55854	2.95093	5	X
K11S29W	15.8	0.15	K2175	283.244	179.657	167.678	23.520	0.16222	3.13478	11	X
K11S39K	19.4	0.15	K2175	337.497	74.179	260.960	4.993	0.21534	2.24261	3	X
K11S39R	19.4	0.15	K2175	339.503	38.702	292.170	5.522	0.24298	2.24346	3	X
K11S57N	16.9	0.15	K2175	261.535	226.843	213.081	11.133	0.30201	3.12103	4	X
K11S58L	17.6	0.15	K2175	297.635	214.781	182.998	11.931	0.23086	3.01638	5	X
K11S60G	17.1	0.15	K2175	25.392	71.579	212.843	9.602	0.03412	2.96621	11	X
K11S65S	18.3	0.15	K2175	324.904	120.651	236.882	5.971	0.19952	2.25636	4	X
K11SB1O	18.3	0.15	K2175	0.025	358.328	295.347	5.411	0.37392	2.24184	2	X
K11SC7W	16.8	0.15	K2175	305.875	187.172	189.801	12.063	0.15466	3.04411	8	X
K11SC9K	18.4	0.15	K2175	300.360	188.009	149.499	2.575	0.22473	2.31916	6	X
K11SD3T	18.2	0.15	K2175	305.406	164.022	163.733	1.902	0.21987	2.32711	7	X
K11SE7H	17.4	0.15	K2175	1.797	127.515	179.439	10.125	0.09869	3.01712	6	X
K11SE8G	17.5	0.15	K2175	348.506	133.552	187.297	9.863	0.09301	3.02246	4	X
K11SG3T	18.2	0.15	K2175	351.884	354.341	312.214	5.055	0.17810	2.28415	6	X
K11SH0S	18.5	0.15	K2175	334.166	134.398	212.565	9.002	0.15649	2.27356	6	X
K11SI7H	18.7	0.15	K2175	331.556	331.074	3.373	7.609	0.15331	2.27594	6	X
K11SK0R	19.0	0.15	K2175	354.692	134.560	168.382	4.244	0.20539	2.25968	4	X
K11SL4E	16.7	0.15	K2175	302.947	159.938	170.548	20.222	0.18960	3.10879	6	X
K11SM6P	18.5	0.15	K2175	304.601	138.155	243.602	4.818	0.17766	2.26914	6	X
K11SO6T	17.1	0.15	K2175	101.917	339.141	233.495	10.482	0.05599	3.04840	6	X
K11SO7N	19.2	0.15	K2175	312.183	140.231	232.139	2.863	0.20754	2.25927	3	V
K11SP1D	17.1	0.15	K2175	320.767	201.755	163.222	12.711	0.19619	3.01187	6	X
K11SP3B	16.0	0.15	K2175	318.282	136.845	181.183	17.191	0.14905	3.11780	10	X
K11SQ7Z	19.0	0.15	K2175	258.164	218.870	162.915	6.738	0.24815	2.30969	3	V
K11SR0V	17.5	0.15	K2175	353.222	152.313	167.810	11.017	0.28683	2.97652	4	X
K11SR1Y	18.9	0.15	K2175	327.416	204.309	144.699	4.981	0.23989	2.25318	4	X
K11SV2L	16.8	0.15	K2175	342.649	112.263	232.458	9.315	0.03912	3.02077	6	X
K11SX2W	16.7	0.15	K2175	313.272	101.937	275.261	8.327	0.07959	2.98511	8	X
K11SX3H	19.1	0.15	K2175	298.856	62.431	317.486	4.789	0.16332	2.26262	3	V
K11SX3J	18.2	0.15	K2175	246.932	260.240	111.575	2.262	0.19955	2.37460	4	V
K11SX3K	17.8	0.15	K2175	119.650	264.721	102.548	8.893	0.04356	2.62868	4	V
K11SX3L	19.1	0.15	K2175	315.901	284.513	92.539	2.628	0.16278	2.25428	3	V
K11SX3M	18.3	0.15	K2175	317.744	6.506	4.279	7.623	0.16207	2.25513	5	V
K11T18M	17.0	0.15	K2175	300.927	92.954	308.512	14.433	0.31808	3.00098	5	X
K11U64N	16.9	0.15	K2175	329.741	136.847	215.197	8.432	0.10776	3.04814	5	X
K11U70H	18.0	0.15	K2175	306.554	100.862	276.654	5.800	0.12416	2.28401	11	X
K11U70S	18.4	0.15	K2175	318.528	207.307	123.155	2.525	0.20355	2.30604	3	X
K11U82W	16.5	0.15	K2175	340.976	41.814	308.431	3.040	0.33399	2.99931	8	X
K11U99T	16.3	0.15	K2175	310.719	154.358	233.140	10.548	0.10861	3.04861	8	X
K11UA8O	18.6	0.15	K2175	1.729	31.315	276.715	18.314	0.07944	1.86375	5	X
K11UC2J	18.7	0.15	K2175	326.627	189.000	157.086	5.532	0.19455	2.26374	4	X
K11UC2L	18.7	0.15	K2175	338.490	197.808	136.521	3.538	0.24508	2.25471	4	X
K11UD2H	16.9	0.15	K2175	329.617	81.535	258.831	4.216	0.14847	3.09955	8	X
K11UD3U	16.3	0.15	K2175	167.177	334.551	165.712	16.285	0.06499	3.14876	11	X
K11UF1K	17.7	0.15	K2175	271.264	227.659	129.570	7.049	0.14417	2.37256	9	X
K11UF1Z	18.2	0.15	K2175	340.876	137.448	137.390	24.287	0.05287	1.92676	7	X
K11UF3O	17.5	0.15	K2175	301.600	181.218	201.099	6.009	0.18870	2.30085	12	X
K11UH9X	16.0	0.15	K2175	296.732	135.077	264.380	9.383	0.08029	3.09957	10	X
K11UK4Y	17.0	0.15	K2175	309.039	234.832	171.345	13.029	0.34848	3.01241	3	X

K1108L	17.0	0.15	K2175	356.139	94.805	230.701	10.198	0.08627	3.04393	4	X
K110L5J	17.2	0.15	K2175	312.556	102.571	216.404	15.191	0.22904	3.14273	4	X
K110M4O	16.7	0.15	K2175	250.174	227.312	198.906	9.612	0.05675	3.09041	8	X
K110UN2D	18.8	0.15	K2175	326.764	158.244	205.743	7.013	0.16167	2.25848	5	X
K110UN2O	17.1	0.15	K2175	26.446	65.812	211.951	9.436	0.09809	3.08005	7	X
K110UP7O	16.6	0.15	K2175	222.353	232.424	223.634	11.240	0.10744	3.15773	8	X
K110UQ1F	16.8	0.15	K2175	254.901	168.466	257.957	9.113	0.08346	3.15152	6	X
K110UR1B	16.0	0.15	K2175	26.937	176.629	95.624	11.372	0.04580	3.14576	13	X
K110UR2X	16.5	0.15	K2175	208.827	231.045	234.573	10.208	0.10337	3.03653	10	X
K110UR6G	16.2	0.15	K2175	157.073	257.659	262.780	8.992	0.01329	3.16592	9	X
K110UR9R	15.3	0.15	K2175	32.652	30.578	249.902	23.424	0.14556	3.16219	8	X
K110UT2Y	18.2	0.15	K2175	323.745	166.631	207.201	4.952	0.31357	3.02414	3	X
K110UV2E	18.7	0.15	K2175	325.188	92.644	272.566	4.015	0.18056	2.26028	4	X
K110UZ1F	16.3	0.15	K2175	242.127	196.637	252.079	8.720	0.03685	3.12312	9	X
K110UZ1M	18.7	0.15	K2175	355.710	51.538	266.256	5.644	0.26559	2.25875	4	X
K110Ua1N	16.9	0.15	K2175	338.955	75.069	264.090	9.268	0.12892	3.04318	7	X
K110Ub2Y	18.6	0.15	K2175	343.241	193.579	126.851	4.564	0.17725	2.28411	6	X
K110Uc1J	17.0	0.15	K2175	309.952	129.644	198.128	6.954	0.23779	3.12665	6	X
K110Uc6R	16.8	0.15	K2175	251.789	267.468	170.562	10.940	0.12579	3.10468	8	X
K110Uc9F	16.0	0.15	K2175	354.363	51.693	276.784	11.179	0.16464	3.04011	8	X
K110Uf7C	16.8	0.15	K2175	320.111	100.242	251.008	9.572	0.04751	3.16152	5	X
K110Uf7H	17.2	0.15	K2175	317.555	78.943	282.153	1.979	0.21921	3.10550	5	X
K110Ug1M	16.8	0.15	K2175	296.137	204.484	127.116	6.525	0.19065	3.18040	6	X
K110Uh7B	17.7	0.15	K2175	340.465	180.245	146.001	6.722	0.22944	2.29538	6	X
K110Uh7M	18.1	0.15	K2175	138.474	274.433	251.016	8.307	0.03357	2.33475	5	X
K110Uj3N	16.6	0.15	K2175	347.442	70.399	256.447	8.974	0.13823	3.12626	6	X
K110Uj9B	17.2	0.15	K2175	272.034	234.473	180.623	9.346	0.10594	3.12986	5	X
K110Ul4L	18.6	0.15	K2175	325.804	239.953	69.483	2.224	0.19788	2.32435	4	V
K110Ul4M	18.7	0.15	K2175	296.897	183.784	157.355	2.178	0.16392	2.34251	3	V
K110V04Q	16.3	0.15	K2175	4.660	266.536	23.248	25.936	0.23965	3.11942	7	X
K110V23R	16.5	0.15	K2175	285.288	101.790	299.602	9.489	0.07999	3.09055	8	X
K110V26K	16.7	0.15	K2175	355.118	45.677	271.180	10.340	0.16862	3.09566	6	X
K110V28V	19.1	0.15	K2175	323.287	172.808	176.635	2.805	0.18375	2.29226	4	X
K110V29R	16.4	0.15	K2175	346.563	10.424	309.068	10.823	0.09102	3.12183	7	X
K110V33X	18.9	0.15	K2175	262.053	277.430	73.387	2.197	0.20862	2.38488	2	V
K110W05C	18.2	0.15	K2175	323.442	23.814	331.310	6.330	0.21023	2.27872	8	X
K110W21B	16.5	0.15	K2175	44.460	30.532	244.772	9.957	0.04416	3.16973	11	X
K110W42N	18.4	0.15	K2175	320.615	76.030	290.285	4.526	0.20820	2.29844	4	X
K110W67N	18.3	0.15	K2175	331.205	171.346	184.933	6.443	0.12863	2.29410	5	X
K110W77V	16.8	0.15	K2175	335.417	82.956	258.723	9.349	0.07713	3.13759	3	X
K110WA8M	16.6	0.15	K2175	263.940	188.224	230.249	8.622	0.07722	3.14882	6	X
K110WB1U	18.5	0.15	K2175	340.006	117.470	221.528	3.389	0.27319	2.28626	5	X
K110WD2U	18.0	0.15	K2175	330.294	8.901	336.484	8.750	0.25043	2.28810	7	X
K110WE5F	16.8	0.15	K2175	289.251	139.218	256.965	10.664	0.13980	3.15349	5	X
K110WF4F	17.2	0.15	K2175	296.412	239.492	170.042	16.134	0.26467	3.05310	5	X
K110WF9Y	16.3	0.15	K2175	225.246	304.063	150.601	22.888	0.10966	3.11966	9	X
K110WH1V	16.2	0.15	K2175	13.449	30.682	281.182	9.099	0.05312	3.08220	6	X
K110WH4O	16.6	0.15	K2175	314.313	244.192	119.564	5.936	0.13497	3.10881	12	X
K110X04Y	16.8	0.15	K2175	287.644	138.274	263.372	9.215	0.11283	3.15186	5	X
K110X06R	16.5	0.15	K2175	315.059	100.967	282.023	9.441	0.10651	3.11868	8	X
K110Y05E	15.8	0.15	K2175	357.257	66.105	253.634	8.645	0.10240	3.17898	10	X
K110Y07S	16.5	0.15	K2175	281.406	147.291	261.531	9.812	0.08522	3.22233	9	X
K110Y10Q	18.9	0.15	K2175	336.497	238.926	124.830	2.399	0.52198	2.24349	3	X
K110Y10R	16.5	0.15	K2175	332.286	211.816	155.877	10.460	0.40790	3.01228	7	X
K110Y15C	17.9	0.15	K2175	316.347	113.185	245.447	5.842	0.13678	2.32824	9	X
K110Y51Y	15.7	0.15	K2175	321.902	103.361	268.269	20.189	0.10742	3.22059	8	X
K12A03X	16.8	0.15	K2175	316.297	104.297	289.166	12.797	0.23504	3.11195	6	X
K12A06K	17.8	0.15	K2175	54.159	330.236	212.227	2.343	0.11356	2.57706	6	X
K12A12B	15.9	0.15	K2175	215.862	182.914	299.818	16.531	0.15248	3.17615	10	X
K12A15B	15.7	0.15	K2175	295.663	271.805	127.977	26.450	0.23634	3.20445	9	X
K12A28S	17.4	0.15	K2175	289.813	285.130	110.644	16.509	0.21369	3.20428	4	X
K12A31K	16.2	0.15	K2175	121.189	248.640	300.802	14.325	0.11228	3.45786	7	X
K12B19Z	17.9	0.15	K2175	270.471	266.393	133.940	23.033	0.11690	1.91710	8	X
K12B59G	18.1	0.15	K2175	300.831	22.160	13.168	2.177	0.29187	2.31392	9	X
K12BC4Q	16.2	0.15	K2175	290.588	113.782	308.595	15.555	0.21660	3.17459	7	X
K12BC7O	17.6	0.15	K2175	270.612	148.458	275.061	5.865	0.09973	2.33798	7	X
K12BH2V	18.3	0.15	K2175	314.823	60.870	307.049	17.943	0.09291	1.93231	5	X
K12BI0C	19.4	0.15	K2175	241.509	125.770	307.162	17.613	0.07069	1.93046	3	X
K12C21T	16.1	0.15	K2175	226.826	297.965	158.027	22.446	0.12009	3.35473	12	X
K12C26T	16.9	0.15	K2175	350.148	351.081	322.284	16.100	0.18828	2.46154	8	X
K12C29X	16.9	0.15	K2175	47.775	118.032	120.678	3.144	0.12701	2.48641	13	X
K12D35Q	16.8	0.15	K2175	149.606	293.440	154.918	14.494	0.07436	2.60454	11	X
K12E00K	16.2	0.15	K2175	241.298	278.356	162.913	15.226	0.15464	3.40744	7	X
K12E20S	17.1	0.15	K2175	26.200	320.481	305.130	12.645	0.23153	2.60879	7	X
K12E26P	17.9	0.15	K2175	28.205	61.348	212.412	6.356	0.19855	2.54654	9	X
K12E26W	18.3	0.15	K2175	29.434	67.504	198.919	4.780	0.18971	2.54295	7	X
K12F43C	16.8	0.15	K2175	13.990	169.704	112.696	6.466	0.15867	2.55506	10	X
K12G34X	17.7	0.15	K2175	16.307	56.942	214.308	9.793	0.28615	2.64223	8	X
K12G42H	17.5	0.15	K2175	14.678	9.633	273.361	8.842	0.18082	2.57477	7	X
K12H00F	17.6	0.15	K2175	9.729	135.183	139.164	17.436	0.43575	2.70228	4	X
K12H61L	17.4	0.15	K2175	30.572	113.094	149.108	13.516	0.23957	2.63928	5	X
K12H64R	17.8	0.15	K2175	103.509	125.238	50.239	6.973	0.14651	2.59944	6	X
K12H82P	17.8	0.15	K2175	359.272	154.141	107.124	18.988	0.42859	2.70035	2	X
K12H96F	17.7	0.15	K2175	18.678	143.366	127.165	13.055	0.18031	2.64255	5	X
K12HA6Z	17.5	0.15	K2175	21.742	36.822	230.404	12.671	0.24981	2.64246	6	X
K12HA8L	16.9	0.15	K2175	217.281	202.504	61.686	7.485	0.12945	3.08147	4	V
K12J27T	17.7	0.15	K2175	24.843	112.384	157.419	12.768	0.22675	2.64170	7	X
K12J32T	17.7	0.15	K2175	77.843	309.044	256.864	12.134	0.21483	2.61665	5	X
K12J64Y	18.2	0.15	K2175	18.005	63.808	207.494	4.965	0.24722	2.66023	6	X
K12K03W	17.7	0.15	K2175	28.186	91.251	184.431	11.244	0.17092	2.60943	7	X
K12K18Q	17.7	0.15	K2175	338.297	190.789	139.088	15.633	0.25168	2.65663	5	X
K12K24N	17.1	0.15	K2175	344.026	188.102	135.957	14.286	0.29241	2.64129	7	X
K12K36G	17.5	0.15	K2175	344.438	146.954	192.798	8.796	0.17998	2.57243	10	X

K12K42H	17.4	0.15	K2175	54.086	57.294	125.210	25.922	0.14236	2.72117	4	X
K12K52W	17.3	0.15	K2175	358.744	40.368	273.851	13.021	0.19304	2.72039	5	X
K12K54S	17.4	0.15	K2175	329.065	228.824	118.079	12.554	0.20229	2.64364	6	X
K12L07V	15.3	0.15	K2175	64.231	284.716	298.360	29.028	0.21690	2.57833	11	X
K12L12R	17.3	0.15	K2175	303.078	189.920	139.689	17.974	0.27727	2.76974	6	X
K12L13R	17.7	0.15	K2175	359.648	153.900	154.966	13.784	0.15355	2.63318	10	X
K12L15B	17.5	0.15	K2175	346.403	183.686	143.052	18.151	0.20565	2.64878	6	X
K12L27C	16.9	0.15	K2175	282.120	112.895	293.804	13.883	0.13285	2.65861	7	X
K12L27E	17.2	0.15	K2175	314.380	208.421	169.884	18.231	0.20821	2.62324	8	X
K12L28X	18.4	0.15	K2175	353.624	142.909	179.978	14.247	0.28689	2.65452	4	X
K12M05E	16.4	0.15	K2175	3.119	219.003	88.151	12.930	0.21172	2.65139	13	X
K12M08N	17.3	0.15	K2175	4.447	13.591	289.966	13.102	0.24520	2.69936	6	X
K12M12F	17.8	0.15	K2175	67.353	284.222	299.203	12.153	0.22231	2.67995	6	X
K12M12N	17.1	0.15	K2175	329.669	77.997	281.659	12.263	0.16553	2.67543	6	X
K12M15H	17.3	0.15	K2175	28.822	40.763	234.823	8.277	0.09739	2.72114	9	X
K12M18O	17.2	0.15	K2175	346.505	213.945	104.503	10.480	0.22606	2.72472	10	X
K12P12Z	17.2	0.15	K2175	307.487	167.645	218.020	4.672	0.07384	2.74330	11	X
K12P29R	17.5	0.15	K2175	315.577	61.214	321.083	7.203	0.32839	2.74034	6	X
K12P31P	17.3	0.15	K2175	332.349	196.840	169.787	9.001	0.26046	2.72306	6	X
K12P36L	17.1	0.15	K2175	331.723	48.357	297.054	6.059	0.16637	2.74202	7	X
K12P40H	18.1	0.15	K2175	348.128	138.115	193.428	9.102	0.28564	2.72475	3	X
K12P40N	17.8	0.15	K2175	347.087	168.127	154.936	14.686	0.20113	2.73217	6	X
K12P42A	17.7	0.15	K2175	345.223	33.934	290.391	2.364	0.19537	2.74743	6	X
K12P47D	17.1	0.15	K2175	332.735	69.755	272.163	11.792	0.13329	2.74696	6	X
K12P57Z	17.0	0.15	K2175	249.914	79.308	247.986	8.467	0.13181	3.05766	6	V
K12Q28F	17.3	0.15	K2175	2.115	130.907	171.751	10.062	0.23395	2.76494	8	X
K12Q31R	17.2	0.15	K2175	310.224	95.425	294.932	6.380	0.16069	2.74423	9	X
K12Q44S	16.9	0.15	K2175	7.711	1.211	296.881	14.220	0.16295	2.73217	8	X
K12Q57K	18.2	0.15	K2175	324.580	114.275	240.037	7.837	0.17533	2.77327	3	X
K12Q69Z	18.0	0.15	K2175	345.605	167.634	169.749	17.579	0.26754	2.73334	4	X
K12Q70K	18.1	0.15	K2175	1.707	36.098	266.277	6.683	0.20253	2.77865	3	X
K12Q70P	17.3	0.15	K2175	197.763	235.190	142.454	8.846	0.23083	3.08629	3	V
K12Q70Q	17.0	0.15	K2175	238.775	300.886	345.803	2.755	0.15417	3.16273	5	V
K12Q70R	17.1	0.15	K2175	199.471	225.690	167.039	12.015	0.14415	3.04385	4	V
K12R09Q	17.7	0.15	K2175	318.479	86.299	297.509	6.336	0.31050	2.76376	6	X
K12R35K	17.5	0.15	K2175	312.408	170.118	201.248	8.804	0.17417	2.80868	4	X
K12R36H	16.9	0.15	K2175	311.636	99.987	276.147	10.905	0.07123	2.74456	8	X
K12R37G	16.8	0.15	K2175	15.413	36.312	253.000	8.346	0.15419	2.75049	11	X
K12R37V	17.0	0.15	K2175	1.684	92.764	209.566	8.460	0.15162	2.79498	7	X
K12S15R	17.1	0.15	K2175	308.667	120.911	261.489	5.674	0.05519	2.81463	9	X
K12S28M	17.1	0.15	K2175	221.864	269.378	187.249	10.862	0.10815	2.83694	10	X
K12S46N	17.3	0.15	K2175	19.566	99.192	184.596	12.403	0.20409	2.77725	7	X
K12S56F	17.3	0.15	K2175	338.520	117.759	216.879	7.593	0.30847	2.78863	6	X
K12S65N	17.0	0.15	K2175	347.086	193.348	123.840	5.377	0.06021	2.79217	12	X
K12S71Y	17.1	0.15	K2175	309.295	116.823	185.295	6.395	0.07429	2.99253	7	X
K12S72S	17.2	0.15	K2175	249.577	246.088	190.041	13.340	0.06891	2.75952	7	X
K12S77R	17.8	0.15	K2175	319.660	150.483	219.595	7.019	0.23562	2.78053	3	X
K12S88K	17.7	0.15	K2175	331.618	86.395	258.391	4.896	0.09047	2.80697	4	X
K12S92R	16.3	0.15	K2175	187.164	196.003	231.117	17.572	0.14527	3.17323	4	X
K12S94A	18.0	0.15	K2175	351.881	153.311	169.947	8.308	0.21419	2.74500	5	X
K12T01L	17.8	0.15	K2175	305.143	195.198	186.588	4.898	0.13121	2.79272	4	X
K12T31T	16.8	0.15	K2175	348.679	40.487	292.234	14.779	0.30062	2.76158	5	X
K12T70T	17.4	0.15	K2175	314.505	127.626	249.849	6.583	0.23358	2.79606	4	X
K12T99W	17.2	0.15	K2175	344.942	128.916	214.865	7.170	0.24326	2.77200	5	X
K12TC6M	17.4	0.15	K2175	353.270	120.671	199.767	4.239	0.11007	2.81455	9	X
K12TC9Z	17.8	0.15	K2175	347.561	101.650	229.368	6.375	0.23666	2.78179	5	X
K12TE0X	17.0	0.15	K2175	123.322	352.573	192.976	8.216	0.01704	2.84087	8	X
K12TH0Z	17.4	0.15	K2175	333.315	142.952	204.914	4.571	0.17321	2.78435	7	X
K12TH5W	17.6	0.15	K2175	350.633	139.899	188.809	7.622	0.22900	2.76649	6	X
K12TI0Z	17.4	0.15	K2175	349.449	66.288	256.341	4.851	0.13495	2.81505	8	X
K12TK0X	18.1	0.15	K2175	355.658	142.365	181.342	8.382	0.25153	2.76182	4	X
K12TK3B	16.9	0.15	K2175	333.963	169.495	175.119	10.126	0.12188	2.79891	11	X
K12TK9A	17.4	0.15	K2175	190.388	201.220	182.669	17.723	0.21941	3.16864	3	V
K12TX3H	17.4	0.15	K2175	254.891	177.990	262.147	9.062	0.14575	2.81641	6	X
K12TX9M	17.8	0.15	K2175	336.912	93.749	249.337	3.774	0.17510	2.79433	5	X
K12TY4V	16.4	0.15	K2175	91.127	281.799	222.754	15.334	0.10107	3.17742	6	X
K12Ta0X	18.8	0.15	K2175	12.231	35.451	262.370	5.464	0.17076	2.12265	8	X
K12Tb2U	16.8	0.15	K2175	254.358	270.020	90.555	9.799	0.13375	3.05890	5	X
K12Tb5C	17.1	0.15	K2175	163.017	184.621	262.866	7.752	0.06201	3.07186	4	V
K12UB9P	18.1	0.15	K2175	5.806	14.034	286.313	6.348	0.14202	2.14091	8	X
K12UC4B	17.2	0.15	K2175	140.058	272.807	262.349	8.062	0.03509	2.94461	8	X
K12UE9B	18.0	0.15	K2175	336.223	226.820	121.486	1.950	0.37951	2.77744	3	X
K12UN3V	17.2	0.15	K2175	168.058	280.492	132.046	8.735	0.17942	3.21901	3	V
K12UN3W	16.7	0.15	K2175	170.945	358.152	62.808	37.830	0.24792	3.32141	2	V
K12UN3X	18.3	0.15	K2175	117.306	103.156	306.704	9.981	0.17498	2.38011	4	V
K12UN3Y	16.4	0.15	K2175	138.758	248.085	231.771	24.173	0.23683	3.16764	3	V
K12V84Q	18.3	0.15	K2175	321.772	315.880	36.088	4.273	0.22400	2.14213	9	X
K12VC4U	17.1	0.15	K2175	353.567	10.243	294.859	11.269	0.19962	2.72732	7	X
K12VD5W	17.5	0.15	K2175	181.079	170.782	79.038	13.716	0.07513	2.58589	5	V
K12VD5X	17.1	0.15	K2175	209.115	338.316	81.543	11.338	0.12809	3.10486	4	V
K12W42T	18.8	0.15	K2175	295.644	251.003	89.380	6.224	0.22859	2.19539	5	X
K12X83U	15.5	0.15	K2175	122.225	241.746	297.868	20.118	0.17466	3.20959	7	X
K12X95C	16.7	0.15	K2175	73.317	4.933	240.653	9.939	0.04970	2.98077	8	X
K12XA9H	18.8	0.15	K2175	306.418	92.226	272.673	3.218	0.13408	2.16774	4	X
K12XB9D	17.0	0.15	K2175	243.114	210.583	235.584	7.465	0.04875	2.94110	9	X
K12XD6D	15.7	0.15	K2175	327.707	89.329	271.102	5.847	0.35191	2.88901	9	X
K12Y08V	16.0	0.15	K2175	169.364	216.016	286.772	16.945	0.11482	3.11724	7	X
K13A04M	16.4	0.15	K2175	114.706	289.469	280.758	15.177	0.02942	3.05671	4	X
K13AB9S	15.9	0.15	K2175	100.333	278.125	289.338	21.188	0.04608	3.12852	7	X
K13AD4V	16.7	0.15	K2175	342.313	35.634	294.244	10.896	0.09666	3.06694	7	X
K13AD7O	16.5	0.15	K2175	352.555	37.268	299.927	16.151	0.07950	3.05298	5	X
K13AF0U	17.7	0.15	K2175	265.920	204.215	209.873	8.869	0.03759	3.07614	6	X
K13AF9N	17.4	0.15	K2175	302.999	150.813	231.910	9.190	0.02133	3.06266	6	X

K13AG7H	17.4	0.15	K2175	318.434	181.056	176.121	10.406	0.08224	3.08573	8	X
K13AG9G	17.2	0.15	K2175	344.531	124.040	211.103	9.102	0.12598	3.07294	7	X
K13AI2U	16.8	0.15	K2175	242.076	276.371	172.851	13.032	0.15067	3.03324	10	X
K13AK3S	17.3	0.15	K2175	315.005	276.035	151.796	2.574	0.03961	2.86147	6	V
K13B14M	16.4	0.15	K2175	123.096	297.250	251.402	4.862	0.07315	3.05382	13	X
K13B32E	16.7	0.15	K2175	295.047	58.827	331.931	9.424	0.17219	3.01755	9	X
K13B36K	16.0	0.15	K2175	303.470	238.219	125.079	14.415	0.03226	3.13260	13	X
K13B53T	16.7	0.15	K2175	300.301	274.077	97.860	12.309	0.08967	3.10150	9	X
K13B57A	16.4	0.15	K2175	87.525	282.606	300.169	15.370	0.07022	3.16385	8	X
K13B67K	15.9	0.15	K2175	206.003	142.076	321.987	15.028	0.03422	3.13211	8	X
K13B88X	16.5	0.15	K2175	98.886	49.574	150.350	28.223	0.15410	3.23867	6	X
K13B92S	16.9	0.15	K2175	348.473	132.563	196.262	6.043	0.04082	3.12148	7	X
K13BA0G	17.0	0.15	K2175	321.533	197.481	165.315	8.315	0.11002	3.04761	6	X
K13BA0H	16.7	0.15	K2175	126.323	273.404	286.969	14.679	0.17447	3.13960	4	V
K13C24W	16.5	0.15	K2175	358.536	159.265	158.327	10.405	0.07560	3.16110	8	X
K13C57D	16.5	0.15	K2175	210.560	254.978	218.361	9.797	0.05174	3.09617	11	X
K13C68Q	16.1	0.15	K2175	280.323	108.115	292.473	8.969	0.04988	3.15983	12	X
K13C72J	16.0	0.15	K2175	336.810	41.055	305.089	20.629	0.07286	3.11878	8	X
K13C81B	16.4	0.15	K2175	307.247	116.233	255.592	7.822	0.09358	3.16437	10	X
K13C83N	19.1	0.15	K2175	249.742	126.533	306.614	18.655	0.05243	1.78721	3	X
K13CG1R	16.1	0.15	K2175	192.023	330.972	158.209	14.524	0.11548	3.21333	13	X
K13CH2Z	16.5	0.15	K2175	253.340	279.817	159.577	27.154	0.17984	3.10086	4	X
K13CI1D	18.7	0.15	K2175	43.803	72.123	149.062	22.623	0.03427	1.86367	4	X
K13CK2K	18.1	0.15	K2175	347.702	321.832	355.857	3.854	0.03369	2.28053	10	X
K13CL0V	16.3	0.15	K2175	334.443	191.945	138.319	10.764	0.06980	3.19439	9	X
K13CN1E	16.8	0.15	K2175	295.033	241.638	161.754	27.664	0.18109	3.06122	5	X
K13CO3G	16.4	0.15	K2175	270.950	201.959	212.186	8.089	0.04609	3.17308	10	X
K13D10A	16.3	0.15	K2175	293.353	226.950	154.448	9.631	0.10035	3.17727	10	X
K13D12U	16.5	0.15	K2175	317.992	95.964	266.430	9.149	0.06467	3.18320	8	X
K13D14W	16.1	0.15	K2175	235.736	179.793	263.985	8.407	0.04573	3.18567	10	X
K13E41N	18.1	0.15	K2175	36.643	261.775	345.113	20.360	0.09148	1.86124	10	X
K13E59B	18.2	0.15	K2175	25.352	96.145	171.759	5.152	0.09950	2.35311	10	X
K13E72X	16.6	0.15	K2175	339.291	177.651	161.944	13.243	0.07751	3.24325	5	X
K13EB0B	17.5	0.15	K2175	32.379	108.142	160.670	7.121	0.10647	2.35581	12	X
K13EH7V	19.4	0.15	K2175	167.843	306.005	176.758	22.477	0.05861	1.84710	3	V
K13F12M	17.6	0.15	K2175	29.187	143.624	121.355	7.188	0.15549	2.38226	8	X
K13F25Z	18.1	0.15	K2175	201.166	250.928	227.143	4.963	0.16318	2.24864	9	X
K13F35K	16.5	0.15	K2175	319.366	169.767	181.412	9.791	0.01832	3.37845	8	X
K13F38M	18.3	0.15	K2175	3.102	175.838	114.308	2.292	0.17987	2.39056	5	X
K13F38S	17.6	0.15	K2175	224.904	289.507	18.555	13.540	0.09513	2.64122	5	V
K13G22K	18.1	0.15	K2175	27.702	242.998	21.491	1.458	0.15888	2.40239	8	X
K13G43J	18.5	0.15	K2175	294.114	208.480	189.684	5.781	0.09682	2.29516	8	X
K13G90S	18.3	0.15	K2175	19.430	116.568	149.411	8.012	0.19586	2.42847	6	X
K13G95B	18.1	0.15	K2175	113.303	352.188	186.800	11.147	0.14226	2.34994	8	X
K13GA4B	17.5	0.15	K2175	300.565	177.169	202.625	6.580	0.10919	2.31782	13	X
K13GD3X	17.7	0.15	K2175	321.095	146.319	213.953	5.915	0.11358	2.32472	9	X
K13GD9R	18.5	0.15	K2175	60.886	173.627	48.183	5.506	0.13125	2.41145	4	X
K13GF2H	17.8	0.15	K2175	173.240	287.221	209.798	6.788	0.14712	2.34048	8	X
K13GG0M	17.1	0.15	K2175	184.831	108.574	175.001	20.135	0.07210	2.81073	8	V
K13GG0N	17.7	0.15	K2175	302.005	35.196	205.937	16.130	0.03890	2.67194	4	V
K13H78B	18.1	0.15	K2175	288.463	167.779	220.639	5.728	0.11781	2.33552	9	X
K13HA4K	18.4	0.15	K2175	336.315	138.146	194.134	1.721	0.22371	2.38971	7	X
K13J05W	17.6	0.15	K2175	207.320	283.676	118.617	24.511	0.09482	1.92410	4	X
K13J45V	17.4	0.15	K2175	90.652	305.659	260.390	4.121	0.05296	2.41111	12	X
K13L17B	17.1	0.15	K2175	27.375	50.049	228.395	5.581	0.11102	2.41380	11	X
K13L26M	19.2	0.15	K2175	15.713	100.996	191.303	22.089	0.06857	1.87097	5	X
K13L37T	17.9	0.15	K2175	314.542	121.681	194.186	4.087	0.21338	2.54492	6	X
K13M07T	17.2	0.15	K2175	58.836	65.043	161.983	1.698	0.14495	2.45099	10	X
K13M15R	18.0	0.15	K2175	317.800	197.795	122.987	2.477	0.29975	2.61800	4	X
K13M16X	16.3	0.15	K2175	344.079	46.031	292.553	8.434	0.33809	3.95833	3	X
K13M21G	18.1	0.15	K2175	301.021	97.471	237.413	10.995	0.18441	2.58638	3	X
K13N35G	18.7	0.15	K2175	327.121	38.137	321.038	7.217	0.28610	2.51958	4	X
K13N46V	18.9	0.15	K2175	315.968	56.839	294.218	19.606	0.04391	1.90836	5	X
K13N63A	17.6	0.15	K2175	329.010	226.381	85.361	5.811	0.21594	2.58111	4	X
K13N63L	17.7	0.15	K2175	240.029	223.481	58.094	3.974	0.10847	2.92224	5	V
K13N63M	17.3	0.15	K2175	112.898	228.394	116.868	17.017	0.16711	3.19399	4	V
K13O10E	16.0	0.15	K2175	336.096	256.017	98.559	3.862	0.30692	3.98909	7	X
K13O17O	17.6	0.15	K2175	283.950	100.691	252.842	9.880	0.09260	2.61459	5	V
K13P05P	17.8	0.15	K2175	335.786	180.242	158.404	10.648	0.15503	2.55209	9	X
K13P14U	17.3	0.15	K2175	357.392	113.805	139.513	18.467	0.29114	2.60049	6	X
K13P44D	17.9	0.15	K2175	358.246	96.380	147.018	26.136	0.45635	2.60355	2	X
K13P61A	17.9	0.15	K2175	220.478	164.838	188.600	8.907	0.16348	2.79795	3	V
K13P66T	18.6	0.15	K2175	84.306	277.383	295.425	17.103	0.06446	1.92693	6	X
K13P75K	18.7	0.15	K2175	310.812	65.047	300.812	17.240	0.09966	1.92829	6	X
K13P81L	18.0	0.15	K2175	242.494	259.268	179.674	8.330	0.15090	2.54959	5	X
K13PB7Q	18.7	0.15	K2175	23.842	105.763	173.090	13.151	0.16270	2.55258	3	X
K13PB8T	18.0	0.15	K2175	197.534	271.680	167.317	12.075	0.15382	2.69300	2	V
K13PB8U	17.1	0.15	K2175	174.262	104.094	189.676	0.095	0.13707	3.20189	4	V
K13PB8V	17.5	0.15	K2175	284.969	53.246	289.566	9.324	0.11239	2.65324	3	V
K13Q05F	18.8	0.15	K2175	340.666	183.437	151.881	9.001	0.29845	2.53273	5	X
K13Q61F	17.9	0.15	K2175	336.654	158.293	177.444	3.974	0.13074	2.52494	8	X
K13Q74C	17.7	0.15	K2175	352.775	69.679	256.986	9.504	0.19220	2.53125	5	X
K13Q79W	17.9	0.15	K2175	38.461	81.006	184.326	6.126	0.10343	2.53538	8	X
K13Q95F	17.2	0.15	K2175	26.243	29.280	243.743	6.904	0.17115	2.55504	9	X
K13Q98O	18.0	0.15	K2175	319.342	58.920	301.618	11.828	0.18620	2.56120	5	X
K13R13Z	18.0	0.15	K2175	14.456	97.892	181.707	6.790	0.20023	2.55340	10	X
K13R15K	18.7	0.15	K2175	298.682	185.855	207.586	7.062	0.22054	2.54592	5	X
K13R27K	18.5	0.15	K2175	318.685	201.918	178.333	11.447	0.27551	2.56334	3	X
K13R28M	18.1	0.15	K2175	353.250	140.629	177.232	10.348	0.21136	2.57798	3	X
K13R32R	17.7	0.15	K2175	330.369	205.859	134.360	5.207	0.22888	2.56331	6	X
K13R43X	17.2	0.15	K2175	336.708	25.517	304.965	8.999	0.21398	2.57952	9	X
K13R56F	17.5	0.15	K2175	338.386	35.575	304.547	11.831	0.15240	2.55491	7	X
K13R69G	17.7	0.15	K2175	317.170	178.548	201.315	5.015	0.33080	2.57780	5	X

K13R84H	18.3	0.15	K2175	336.617	65.202	276.316	3.292	0.26763	2.56383	5	X
K13RB0R	17.8	0.15	K2175	314.758	235.016	133.006	7.922	0.22165	2.56601	5	X
K13RB1M	18.3	0.15	K2175	313.234	176.849	198.531	7.575	0.20198	2.57842	3	X
K13RB2G	17.8	0.15	K2175	331.413	155.653	156.997	17.274	0.31418	2.60995	3	X
K13RB4A	18.7	0.15	K2175	343.916	48.924	284.238	4.653	0.28904	2.54560	4	X
K13RB4V	18.1	0.15	K2175	286.690	340.126	59.257	8.102	0.24745	2.63490	5	X
K13RE4A	19.2	0.15	K2175	296.119	49.992	318.602	16.740	0.09734	1.95825	4	X
K13RF2P	18.6	0.15	K2175	350.438	182.492	130.105	10.867	0.20272	2.59370	3	X
K13RF3N	17.8	0.15	K2175	245.972	224.875	133.104	5.804	0.09930	2.76539	6	V
K13S16M	17.9	0.15	K2175	334.250	107.113	185.464	18.225	0.24962	2.63940	3	X
K13S44B	17.2	0.15	K2175	2.886	4.353	300.361	13.317	0.17895	2.58573	8	X
K13S44J	17.2	0.15	K2175	319.593	72.656	284.147	9.536	0.09967	2.57836	8	X
K13S44R	18.6	0.15	K2175	315.651	351.674	9.328	8.085	0.21035	2.57840	4	X
K13S47Z	18.1	0.15	K2175	359.798	155.763	138.908	14.756	0.24931	2.57406	4	X
K13S58E	17.6	0.15	K2175	335.828	59.427	281.337	12.997	0.21655	2.58965	5	X
K13S67F	18.2	0.15	K2175	26.971	76.983	177.209	5.511	0.30413	2.57953	7	X
K13S85N	17.9	0.15	K2175	318.077	44.515	327.460	5.846	0.29081	2.58251	4	X
K13S92K	18.6	0.15	K2175	309.813	330.057	29.568	2.309	0.14014	2.59841	4	X
K13S93P	17.9	0.15	K2175	191.377	248.934	200.037	2.597	0.09215	2.70657	6	V
K13SA2Y	16.8	0.15	K2175	79.904	311.630	277.844	14.331	0.11547	2.64106	7	X
K13SA7F	17.8	0.15	K2175	337.278	61.954	293.558	12.916	0.19816	2.58306	3	X
K13T19O	18.2	0.15	K2175	198.063	197.233	226.717	7.534	0.17882	2.79677	3	V
K13TA7K	17.3	0.15	K2175	331.847	192.201	142.657	1.764	0.14577	2.63710	12	X
K13TB7F	18.5	0.15	K2175	319.189	87.284	280.503	3.250	0.24033	2.58390	4	X
K13TC9F	18.3	0.15	K2175	332.971	192.070	169.589	7.587	0.34869	2.55369	4	X
K13TD1K	17.1	0.15	K2175	269.219	134.046	290.231	12.885	0.14195	2.61042	8	X
K13TD5Z	18.2	0.15	K2175	335.480	76.944	235.285	27.195	0.42332	2.58841	4	X
K13TD6K	17.4	0.15	K2175	316.185	96.868	281.506	13.252	0.19411	2.57002	4	X
K13TM5O	19.5	0.15	K2175	68.132	294.200	51.478	21.842	0.06072	1.86887	2	V
K13TM5P	17.8	0.15	K2175	224.368	271.621	132.443	4.244	0.09454	2.75573	3	V
K13U22W	17.0	0.15	K2175	348.984	26.847	291.579	9.570	0.03378	2.71164	6	X
K13U26M	18.7	0.15	K2175	327.170	141.036	223.925	5.302	0.30734	2.58655	3	X
K13V32K	18.4	0.15	K2175	346.361	124.314	207.719	5.301	0.35128	2.59511	3	X
K13V35B	17.8	0.15	K2175	333.669	137.824	208.181	5.956	0.24976	2.62879	4	X
K13V37U	19.2	0.15	K2175	344.126	142.081	203.534	4.254	0.34354	2.56476	3	X
K13V38C	18.4	0.15	K2175	325.291	140.351	223.527	5.077	0.25464	2.61371	4	X
K13V47W	18.1	0.15	K2175	297.998	190.496	195.054	6.207	0.10818	2.67026	4	X
K13V53L	17.4	0.15	K2175	24.965	158.556	111.559	4.418	0.06740	2.70228	9	X
K13V53Z	17.4	0.15	K2175	312.134	142.251	220.767	7.905	0.01852	2.71058	9	X
K13V54C	17.4	0.15	K2175	181.671	291.626	194.972	9.117	0.06778	2.73347	6	X
K13V58B	17.4	0.15	K2175	204.997	16.569	81.056	7.625	0.01959	2.70760	5	X
K13V69W	18.0	0.15	K2175	204.061	153.955	53.479	14.478	0.07133	2.43658	6	V
K13W26X	16.3	0.15	K2175	255.178	160.873	267.854	11.689	0.01082	2.70596	11	X
K13W27H	16.9	0.15	K2175	159.192	329.103	183.611	8.848	0.07988	2.78967	12	X
K13W66V	16.6	0.15	K2175	348.018	222.574	97.474	12.829	0.19416	2.67696	10	X
K13W80G	18.0	0.15	K2175	336.103	76.150	274.100	9.663	0.18840	2.63410	3	X
K13W81W	17.1	0.15	K2175	282.229	163.300	234.469	8.333	0.11741	2.71132	7	X
K13W90X	18.1	0.15	K2175	358.946	60.981	252.672	16.071	0.35914	2.61875	3	X
K13WA2R	17.4	0.15	K2175	352.666	35.728	270.186	8.244	0.15914	2.72746	9	X
K13WA2Z	17.1	0.15	K2175	296.731	319.457	69.845	4.832	0.26425	2.62631	8	X
K13WA4G	17.2	0.15	K2175	305.746	239.502	137.870	4.918	0.19570	2.66035	12	X
K13WC2E	18.1	0.15	K2175	299.191	246.615	159.571	13.888	0.29318	2.62156	3	X
K13WD7W	17.3	0.15	K2175	284.552	305.636	85.565	12.223	0.06734	2.72563	7	V
K13WD7X	18.1	0.15	K2175	263.541	243.957	239.167	7.793	0.11522	2.55561	5	V
K13WD7Y	17.1	0.15	K2175	157.638	356.501	106.443	9.271	0.13376	2.93369	6	V
K13X17R	16.9	0.15	K2175	337.261	228.340	122.267	9.043	0.24185	2.69206	11	X
K13X25O	16.4	0.15	K2175	230.524	224.309	245.943	7.513	0.14545	2.74616	10	X
K13X29H	17.4	0.15	K2175	292.609	90.727	294.211	10.201	0.08670	2.71716	5	X
K13X39O	17.4	0.15	K2175	227.131	283.986	83.716	7.205	0.25611	2.94001	2	V
K13Y21T	17.0	0.15	K2175	220.656	220.582	247.886	21.136	0.03899	2.67782	6	X
K13Y37A	17.9	0.15	K2175	280.874	238.050	171.163	9.166	0.16917	2.69343	8	X
K13Y50U	17.0	0.15	K2175	268.419	134.589	287.301	13.117	0.16600	2.75207	6	X
K13YA2Q	17.8	0.15	K2175	316.338	261.498	126.178	28.837	0.42043	2.57879	4	X
K13YA4C	15.8	0.15	K2175	63.065	283.938	237.509	16.018	0.16951	3.07528	10	X
K13YF4J	17.1	0.15	K2175	283.397	123.955	281.472	13.791	0.14342	2.70458	5	X
K13YG8N	18.1	0.15	K2175	152.689	146.972	289.819	12.030	0.32007	3.11564	3	V
K13YG8O	17.6	0.15	K2175	186.620	355.920	63.416	9.189	0.12571	3.03579	3	V
K14A05J	17.0	0.15	K2175	323.221	45.987	298.581	5.676	0.05206	2.74674	9	X
K14A37Y	17.8	0.15	K2175	275.933	240.885	176.177	3.988	0.14932	2.74331	5	X
K14A52O	16.5	0.15	K2175	107.330	28.164	166.917	12.366	0.10652	2.98195	13	X
K14A58B	16.5	0.15	K2175	330.617	71.111	283.814	13.634	0.16699	2.85885	10	X
K14B01L	16.7	0.15	K2175	354.695	171.367	134.934	2.804	0.06818	2.89999	13	X
K14B09T	17.7	0.15	K2175	269.500	343.785	79.448	10.496	0.28583	2.72454	3	X
K14B24T	17.2	0.15	K2175	270.037	249.178	164.268	15.341	0.14318	2.84952	7	X
K14B37L	15.8	0.15	K2175	75.592	261.602	313.989	8.979	0.11452	3.09880	14	X
K14B49C	16.3	0.15	K2175	188.010	182.189	319.873	24.652	0.11934	2.81575	6	X
K14B70X	17.5	0.15	K2175	276.505	156.430	260.389	7.023	0.20862	2.78363	6	X
K14B84D	16.6	0.15	K2175	324.686	172.159	128.666	28.554	0.09303	3.09456	7	X
K14B85N	16.6	0.15	K2175	79.230	28.459	155.863	28.146	0.10800	3.15676	5	V
K14D04H	16.5	0.15	K2175	5.119	27.658	280.290	9.167	0.09746	2.97588	10	X
K14D17E	15.8	0.15	K2175	122.265	359.503	103.556	28.380	0.11077	3.11357	9	X
K14D78N	16.7	0.15	K2175	15.447	132.233	155.692	16.818	0.19027	3.19307	7	X
K14D89U	16.2	0.15	K2175	176.456	214.135	166.851	10.370	0.07689	3.44784	9	V
K14D96N	16.9	0.15	K2175	59.010	248.605	345.933	8.846	0.08892	3.16086	8	X
K14DA9Y	16.7	0.15	K2175	21.883	136.942	158.137	16.428	0.01355	3.02541	7	X
K14DD9T	16.4	0.15	K2175	201.385	298.168	172.724	10.162	0.07153	2.99999	11	X
K14DF7Q	16.6	0.15	K2175	28.897	113.386	151.740	24.908	0.25768	3.16619	7	X
K14DF7R	17.2	0.15	K2175	316.717	205.441	160.258	13.661	0.11279	2.89663	6	X
K14DH0P	16.8	0.15	K2175	52.134	80.840	155.043	26.455	0.19081	3.19434	5	X
K14DI6X	17.5	0.15	K2175	168.882	12.083	127.063	7.711	0.12384	3.00612	5	V
K14E40M	16.5	0.15	K2175	22.813	122.736	162.379	26.227	0.20772	3.19913	8	X
K14E56A	17.2	0.15	K2175	311.838	157.158	208.246	8.471	0.05000	2.97557	9	X
K14E68W	16.9	0.15	K2175	52.317	70.380	177.545	14.245	0.07552	3.09556	11	X

K14EC4V	17.1	0.15	K2175	13.256	28.754	270.800	8.459	0.28241	3.06986	6	X
K14EF5J	17.0	0.15	K2175	50.742	60.257	189.318	10.716	0.06996	3.08804	9	X
K14EG1H	16.6	0.15	K2175	234.012	148.074	311.624	16.720	0.07382	2.88109	9	X
K14EL6Y	16.4	0.15	K2175	146.589	271.237	246.549	10.665	0.19266	3.02468	8	X
K14EM0F	16.3	0.15	K2175	2.987	341.243	317.517	9.519	0.09881	3.07995	11	X
K14EP3J	17.1	0.15	K2175	52.524	100.172	157.722	9.315	0.05989	3.05886	7	X
K14F66S	16.1	0.15	K2175	138.283	12.548	164.846	23.102	0.08696	3.10640	11	X
K14F75G	16.2	0.15	K2175	93.431	119.462	84.103	10.209	0.03470	3.20247	7	X
K14F76H	16.6	0.15	K2175	29.641	46.228	246.186	8.746	0.07883	3.08615	6	X
K14F84P	16.9	0.15	K2175	78.787	12.285	224.118	8.645	0.03104	3.08332	6	X
K14F85U	19.1	0.15	K2175	64.769	76.143	158.959	5.766	0.10024	2.18720	5	X
K14F87Q	16.4	0.15	K2175	83.085	219.235	343.216	15.560	0.14494	3.18278	7	V
K14G02D	15.9	0.15	K2175	13.761	130.214	167.472	9.609	0.06992	3.16831	12	X
K14G12D	18.8	0.15	K2175	8.585	132.216	162.504	6.700	0.15290	2.17406	7	X
K14G24Y	16.1	0.15	K2175	101.144	316.853	265.830	6.260	0.04744	3.06468	12	X
K14G73V	16.5	0.15	K2175	66.979	339.088	262.584	8.627	0.05922	3.19090	10	X
K14G74N	16.9	0.15	K2175	91.136	344.970	237.747	9.292	0.06890	3.16901	9	X
K14G74R	16.5	0.15	K2175	144.002	275.137	247.810	9.495	0.02416	3.20229	9	X
K14G75V	16.9	0.15	K2175	43.148	40.906	221.143	5.328	0.07534	3.16638	8	X
K14G86J	17.9	0.15	K2175	219.201	130.724	126.320	14.602	0.12376	2.62241	3	V
K14G86K	17.9	0.15	K2175	215.936	80.764	101.522	9.482	0.10666	2.75107	3	V
K14H81B	16.6	0.15	K2175	268.881	225.838	185.143	11.050	0.09453	3.11618	7	X
K14H82R	16.8	0.15	K2175	309.631	183.181	183.547	9.025	0.10032	3.17743	9	X
K14HE5A	16.8	0.15	K2175	102.112	19.342	185.184	16.462	0.13013	3.12861	6	X
K14HH0A	16.2	0.15	K2175	354.502	206.008	109.162	6.452	0.14612	3.19072	10	X
K14HI0K	17.4	0.15	K2175	351.887	214.359	57.199	6.066	0.21784	2.29086	14	X
K14HM3M	18.9	0.15	K2175	335.143	192.798	140.730	4.583	0.17782	2.20990	5	X
K14HN1O	17.5	0.15	K2175	146.967	356.277	227.379	4.390	0.09050	2.97527	5	V
K14J05P	18.7	0.15	K2175	357.431	189.422	110.165	8.276	0.27422	2.26326	3	X
K14J41L	16.5	0.15	K2175	8.911	90.040	225.910	10.531	0.06835	3.22405	9	X
K14J47E	17.7	0.15	K2175	19.179	29.091	250.146	4.521	0.16947	2.23488	12	X
K14J97Q	19.1	0.15	K2175	75.325	91.731	109.570	21.365	0.18226	2.23458	3	X
K14J98H	19.1	0.15	K2175	11.099	171.148	111.420	3.425	0.22054	2.25031	4	X
K14JA7M	16.7	0.15	K2175	310.864	138.910	232.892	7.338	0.07924	3.24390	6	X
K14JA8O	16.8	0.15	K2175	230.978	244.170	221.597	10.305	0.08277	3.10555	6	X
K14JC2B	16.9	0.15	K2175	31.524	93.526	183.201	9.386	0.01086	3.24823	8	X
K14JC3M	16.9	0.15	K2175	55.297	133.472	154.400	8.702	0.04739	3.19900	8	V
K14JC3N	16.8	0.15	K2175	20.566	182.816	150.790	11.609	0.10343	3.07176	6	V
K14K38H	16.2	0.15	K2175	56.095	57.563	204.847	13.252	0.09319	3.09367	10	X
K14K48A	19.2	0.15	K2175	19.834	211.659	59.019	5.820	0.15577	2.23029	5	X
K14K89H	16.0	0.15	K2175	181.802	300.203	205.183	12.962	0.14974	3.15984	13	X
K14K91X	18.3	0.15	K2175	354.238	167.275	131.000	12.528	0.23018	2.27009	4	X
K14KB6B	18.7	0.15	K2175	32.713	50.084	201.764	7.608	0.25972	2.28383	3	X
K14KB7F	16.7	0.15	K2175	318.759	111.515	264.770	8.807	0.08197	3.15165	6	X
K14KC4F	19.2	0.15	K2175	23.172	44.279	230.269	7.366	0.09885	2.24016	4	X
K14KD8M	18.5	0.15	K2175	273.975	222.523	118.038	7.275	0.12928	2.34572	4	V
K14KD8N	16.2	0.15	K2175	44.537	40.649	267.466	11.808	0.11409	3.08804	8	V
K14L12R	18.5	0.15	K2175	350.663	147.024	115.954	3.056	0.17471	2.32685	5	X
K14L33U	18.9	0.15	K2175	10.080	137.794	145.421	10.676	0.24529	2.30982	4	X
K14M10A	18.9	0.15	K2175	17.609	96.026	178.802	6.279	0.19585	2.25974	5	X
K14M10X	18.6	0.15	K2175	344.089	141.480	132.870	6.281	0.17354	2.36350	5	X
K14M39B	18.0	0.15	K2175	295.507	131.454	221.654	23.284	0.15966	2.29906	5	X
K14M58L	18.8	0.15	K2175	331.361	268.384	76.667	2.997	0.21477	2.29869	4	X
K14M59M	18.1	0.15	K2175	6.533	105.040	195.218	7.809	0.14320	2.30288	8	X
K14M62Z	17.9	0.15	K2175	19.671	336.758	301.884	24.408	0.14844	2.30270	3	X
K14M86X	17.8	0.15	K2175	79.892	266.193	298.832	22.322	0.11996	2.34939	3	X
K14N06S	18.4	0.15	K2175	335.853	219.306	120.177	9.910	0.31164	2.29782	2	X
K14N38B	18.6	0.15	K2175	0.731	50.910	264.933	6.350	0.13384	2.30026	5	X
K14O00H	18.4	0.15	K2175	331.027	203.240	137.988	1.017	0.21920	2.30800	7	X
K14OA2M	18.2	0.15	K2175	288.563	253.869	145.961	8.295	0.21418	2.34341	7	X
K14OK5V	18.2	0.15	K2175	315.699	355.699	12.488	2.709	0.23892	2.30251	7	X
K14OL5B	18.0	0.15	K2175	229.444	316.501	119.757	9.924	0.05565	2.29914	7	X
K14OS4A	18.2	0.15	K2175	351.731	182.938	128.894	24.165	0.15803	2.31927	3	X
K14OT5P	17.8	0.15	K2175	357.358	330.453	334.253	7.885	0.22009	2.34482	8	X
K14OV0C	18.8	0.15	K2175	12.107	323.818	309.713	4.621	0.23109	2.30723	2	X
K14OY1P	18.3	0.15	K2175	327.585	128.777	130.840	16.339	0.12056	2.46419	4	V
K14OY3K	18.4	0.15	K2175	302.978	138.790	242.505	1.775	0.23203	2.31555	4	X
K14OY4E	16.4	0.15	K2175	303.336	96.348	303.452	23.298	0.21077	2.28390	8	X
K14Oa0W	18.3	0.15	K2175	312.962	162.626	150.589	6.702	0.12427	2.42475	5	X
K14Od1X	18.3	0.15	K2175	305.638	344.462	30.913	8.980	0.30709	2.30276	4	V
K14Oj4K	18.9	0.15	K2175	264.139	347.415	33.532	4.102	0.16636	2.41081	3	V
K14Oj4L	18.1	0.15	K2175	316.587	286.113	9.790	6.480	0.13717	2.43755	6	V
K14P14C	18.6	0.15	K2175	24.263	328.051	299.187	5.035	0.15780	2.32251	5	X
K14P23R	19.1	0.15	K2175	345.426	135.275	180.517	1.119	0.18924	2.32712	4	X
K14P63U	18.9	0.15	K2175	1.992	159.505	132.200	9.394	0.21817	2.31600	4	X
K14P67H	17.6	0.15	K2175	306.583	246.603	135.438	23.342	0.26093	2.29837	5	X
K14P80V	18.5	0.15	K2175	323.131	218.973	128.023	7.884	0.14579	2.31959	5	X
K14P82N	18.0	0.15	K2175	5.661	148.980	140.529	9.620	0.22413	2.36012	4	X
K14P96X	18.6	0.15	K2175	238.363	33.972	339.678	14.406	0.22451	2.51436	3	V
K14Q01M	18.5	0.15	K2175	355.924	27.975	278.874	3.741	0.20408	2.33724	4	X
K14Q47Y	17.9	0.15	K2175	202.803	249.241	217.550	5.789	0.05017	2.29282	7	X
K14Q56W	18.6	0.15	K2175	352.700	47.591	263.939	5.748	0.12699	2.30789	4	X
K14QA3S	18.4	0.15	K2175	322.416	59.198	301.814	6.108	0.17329	2.30705	4	X
K14QE9A	18.7	0.15	K2175	344.204	200.959	120.503	3.402	0.22729	2.33505	4	X
K14QF1Y	17.6	0.15	K2175	21.292	35.204	254.024	8.573	0.15885	2.28588	8	X
K14QF2P	18.2	0.15	K2175	337.329	138.261	205.067	7.446	0.14732	2.30922	3	X
K14QJ5A	18.2	0.15	K2175	49.703	62.368	187.287	7.882	0.08684	2.32714	7	X
K14QJ6B	18.4	0.15	K2175	343.917	132.128	193.202	5.834	0.15460	2.32221	7	X
K14QJ7H	18.3	0.15	K2175	258.866	208.582	210.505	5.710	0.11878	2.34178	8	X
K14QR9A	18.6	0.15	K2175	331.862	219.534	117.782	7.791	0.15949	2.31505	5	X
K14QT7O	17.5	0.15	K2175	352.218	359.604	310.490	14.115	0.26271	2.33360	8	X
K14QV1B	17.8	0.15	K2175	349.476	262.794	49.901	8.127	0.19843	2.29014	8	X
K14QX3K	17.8	0.15	K2175	343.726	199.078	124.985	5.159	0.20315	2.35793	7	X

K14QZ9R	17.9	0.15	K2175	201.998	285.755	185.598	4.557	0.00906	2.37033	9	X
K14Qb0E	18.4	0.15	K2175	283.159	354.418	36.988	3.301	0.18302	2.37505	4	X
K14Qh8M	14.1	0.15	K2175	237.516	283.034	86.349	11.748	0.12547	5.21568	7	X
K14Ql6O	18.2	0.15	K2175	281.241	220.245	180.167	6.303	0.10705	2.35213	5	X
K14Qn5Y	17.5	0.15	K2175	333.682	189.247	150.880	25.740	0.19077	2.37352	6	X
K14Qt5G	18.9	0.15	K2175	344.915	96.919	227.856	4.629	0.18906	2.34533	3	X
K14Qt5H	18.3	0.15	K2175	322.725	209.824	140.696	7.041	0.19013	2.39745	5	X
K14Qt6A	17.8	0.15	K2175	203.956	247.992	110.957	5.855	0.13267	2.68700	4	V
K14Qt6B	17.0	0.15	K2175	158.012	271.478	19.425	9.998	0.06785	3.01267	7	V
K14Qt6C	17.1	0.15	K2175	175.455	167.690	86.679	6.481	0.11435	3.12960	4	V
K14Qt6D	19.0	0.15	K2175	252.009	320.676	119.431	1.948	0.15452	2.34735	4	V
K14Qt6E	18.1	0.15	K2175	286.745	314.590	91.908	6.826	0.12477	2.31653	4	V
K14R14V	19.2	0.15	K2175	326.604	154.550	211.865	4.079	0.24236	2.31024	3	X
K14R19R	18.4	0.15	K2175	24.324	74.370	204.607	4.565	0.22007	2.29869	6	X
K14R77F	18.8	0.15	K2175	324.223	294.008	47.137	6.373	0.15801	2.37867	5	X
K14R84M	18.7	0.15	K2175	344.596	85.908	236.773	6.477	0.10994	2.33765	2	X
K14R84Q	19.0	0.15	K2175	215.273	206.998	177.501	13.976	0.26083	2.55496	4	V
K14R84R	16.8	0.15	K2175	118.130	259.979	85.101	10.878	0.08979	3.02487	4	V
K14R84S	18.9	0.15	K2175	237.022	215.457	165.326	10.041	0.29196	2.55694	2	V
K14S05N	18.2	0.15	K2175	151.515	324.179	191.276	6.108	0.04206	2.35775	9	X
K14SF1C	18.4	0.15	K2175	320.878	101.027	219.877	7.041	0.25725	2.40995	3	X
K14SM8Q	17.9	0.15	K2175	0.544	110.951	203.399	6.453	0.13718	2.35280	12	X
K14SN1T	18.5	0.15	K2175	318.025	254.703	107.871	2.704	0.19711	2.36353	10	X
K14SQ3P	18.1	0.15	K2175	339.495	137.149	196.940	8.518	0.24878	2.34287	5	X
K14SR8O	18.4	0.15	K2175	324.343	113.605	251.773	4.826	0.16152	2.34515	7	X
K14SU5F	18.5	0.15	K2175	319.646	143.258	215.044	5.301	0.18154	2.36674	4	X
K14SV4M	18.1	0.15	K2175	17.956	84.512	203.378	7.924	0.13679	2.37397	9	X
K14Sa8X	18.2	0.15	K2175	311.928	202.584	169.810	7.733	0.14500	2.40636	4	X
K14Sc4H	18.4	0.15	K2175	357.646	356.717	304.837	0.715	0.18993	2.38343	4	X
K14Sc9A	18.3	0.15	K2175	58.088	338.523	267.794	6.083	0.16321	2.35539	4	X
K14T09O	18.1	0.15	K2175	328.145	150.034	206.161	5.983	0.14167	2.36543	9	X
K14T12C	18.5	0.15	K2175	268.436	204.207	219.178	6.491	0.22765	2.39643	7	X
K14T42L	18.0	0.15	K2175	349.623	257.664	48.318	5.663	0.13736	2.43341	5	X
K14TA2W	16.3	0.15	K2175	328.749	268.666	54.308	28.461	0.21536	2.54615	9	V
K14TB3B	18.6	0.15	K2175	309.656	55.703	15.189	3.717	0.16948	2.32550	5	V
K14U12L	17.2	0.15	K2175	11.599	63.415	244.416	6.511	0.11258	2.37812	11	X
K14U32R	18.5	0.15	K2175	225.550	271.218	82.607	6.244	0.29892	2.65356	2	V
K14U69X	18.1	0.15	K2175	323.406	149.935	204.795	4.795	0.18704	2.37895	5	X
K14U80P	18.2	0.15	K2175	237.925	17.192	291.332	1.059	0.16735	2.73420	4	V
K14U89L	19.7	0.15	K2175	254.820	335.470	5.764	5.283	0.31328	2.55719	3	V
K14U94L	18.7	0.15	K2175	322.567	132.142	230.804	5.176	0.19010	2.38833	3	X
K14UA3L	17.9	0.15	K2175	258.579	250.318	181.676	6.486	0.17121	2.41792	8	X
K14UA3U	15.4	0.15	K2175	333.657	169.698	184.234	9.122	0.26251	3.99076	8	X
K14UA5K	18.6	0.15	K2175	331.805	0.819	341.049	2.786	0.21224	2.39296	3	X
K14UB2C	18.2	0.15	K2175	322.266	193.071	169.205	2.304	0.21215	2.39856	7	X
K14UC7Z	17.8	0.15	K2175	342.396	101.709	228.397	5.458	0.16492	2.39308	8	X
K14UD3S	18.1	0.15	K2175	310.737	268.170	100.923	4.013	0.20189	2.39138	7	X
K14UE0C	18.3	0.15	K2175	339.196	328.439	358.514	4.945	0.24092	2.38470	5	X
K14UG4A	18.2	0.15	K2175	354.320	37.692	266.256	3.760	0.23894	2.40987	4	X
K14UJ2U	19.4	0.15	K2175	348.137	136.911	175.864	12.792	0.48128	2.33526	4	X
K14UM6G	18.8	0.15	K2175	122.886	233.623	247.588	18.707	0.13056	1.91854	4	X
K14UR2Z	17.9	0.15	K2175	346.227	291.409	33.478	5.850	0.28569	2.39216	4	X
K14UR4A	17.5	0.15	K2175	170.294	339.540	45.209	4.981	0.07453	2.77170	6	V
K14UR4B	18.4	0.15	K2175	316.159	16.568	70.127	2.108	0.12262	2.23894	7	V
K14UR4C	19.5	0.15	K2175	234.156	224.824	155.572	6.755	0.28436	2.56416	2	V
K14V34R	16.3	0.15	K2175	331.536	127.421	232.102	10.304	0.28817	4.00099	5	X
K14V37Y	18.9	0.15	K2175	230.629	166.889	215.157	21.574	0.02526	1.89394	5	X
K14W06Q	19.3	0.15	K2175	359.112	36.262	234.943	20.438	0.08059	1.86157	4	X
K14W29M	13.9	0.15	K2175	281.977	90.680	235.322	27.134	0.09606	5.18515	6	X
K14W42C	18.2	0.15	K2175	354.978	126.310	198.664	5.775	0.16081	2.39265	3	X
K14W43P	17.6	0.15	K2175	352.698	44.677	281.801	6.219	0.13349	2.39947	9	X
K14W59A	19.0	0.15	K2175	302.103	183.009	203.020	5.062	0.19831	2.40077	6	X
K14WA9Q	18.2	0.15	K2175	290.649	181.140	212.725	7.144	0.10450	2.42556	6	X
K14WC0P	18.8	0.15	K2175	14.045	349.563	253.387	20.585	0.03155	1.88483	5	X
K14WC9G	14.2	0.15	K2175	166.631	212.488	227.315	15.738	0.05900	5.24620	8	X
K14WF7A	17.8	0.15	K2175	343.480	246.864	75.008	3.146	0.23089	2.38936	11	X
K14WG2K	16.1	0.15	K2175	346.633	59.587	278.357	4.778	0.34505	3.96979	5	X
K14WM4W	16.1	0.15	K2175	287.298	326.456	246.847	16.294	0.17679	3.13304	6	V
K14WM7J	17.8	0.15	K2175	353.755	26.647	292.548	3.032	0.35350	2.36236	8	X
K14WN5A	17.5	0.15	K2175	291.356	263.012	137.617	10.248	0.22891	2.41869	11	X
K14WP6K	18.9	0.15	K2175	324.869	233.658	121.485	5.549	0.24537	2.39328	2	X
K14WR8N	17.7	0.15	K2175	319.383	194.218	163.020	5.875	0.19533	2.42863	6	X
K14WS2C	17.6	0.15	K2175	178.220	23.934	93.774	12.391	0.01882	2.54944	6	X
K14WS2E	18.7	0.15	K2175	319.473	158.939	213.651	7.218	0.28541	2.38147	3	X
K14WW2E	17.1	0.15	K2175	356.513	205.387	103.261	9.928	0.23915	2.39636	10	X
K14WZ9B	17.6	0.15	K2175	333.775	51.247	289.453	7.299	0.13151	2.41171	9	X
K14Wal1T	17.2	0.15	K2175	117.532	259.930	285.167	13.470	0.05398	2.53057	7	X
K14Wc0B	17.2	0.15	K2175	44.827	359.498	267.276	10.629	0.07064	2.47153	10	X
K14Wc2T	17.5	0.15	K2175	255.467	169.397	259.188	5.655	0.09930	2.43756	10	X
K14Wd6E	15.2	0.15	K2175	345.418	339.520	356.405	13.535	0.33005	3.96567	6	X
K14Wn5C	17.2	0.15	K2175	123.137	296.970	245.924	7.771	0.08777	2.70991	8	X
K14Wo4D	17.3	0.15	K2175	313.602	233.014	135.879	13.645	0.23064	2.38717	9	X
K14Wr7Q	16.7	0.15	K2175	169.185	249.148	260.481	13.708	0.04520	2.58933	6	X
K14Wu6P	17.1	0.15	K2175	327.528	198.629	83.343	29.799	0.08447	2.64475	4	X
K14Wu8W	14.4	0.15	K2175	330.729	166.991	112.034	11.287	0.13794	5.28042	6	X
K14Wx6Z	17.1	0.15	K2175	240.594	288.658	6.895	13.876	0.16227	2.87066	3	V
K14Wx7A	18.7	0.15	K2175	228.409	152.847	240.487	5.457	0.19742	2.60390	2	V
K14Wx7B	17.4	0.15	K2175	152.167	231.939	150.432	2.690	0.06592	2.92850	6	V
K14Wx7C	16.8	0.15	K2175	177.840	201.907	301.829	32.937	0.18943	2.60078	3	V
K14Wx7D	17.5	0.15	K2175	193.018	258.551	93.152	6.851	0.06874	2.89602	5	V
K14Wx7E	18.2	0.15	K2175	225.873	227.927	128.501	14.246	0.27898	2.64080	3	V
K14Wx7F	17.6	0.15	K2175	119.709	120.482	325.889	7.790	0.07205	2.85324	6	V
K14Wx7G	17.7	0.15	K2175	228.339	163.059	177.361	6.505	0.13487	2.75217	4	V

K14Wx7H	18.1	0.15	K2175	241.104	239.287	159.416	3.049	0.18317	2.61023	2 V
K14X53U	18.5	0.15	K2175	263.857	248.433	120.576	13.423	0.28189	2.53411	2 V
K14X53V	19.2	0.15	K2175	226.914	344.936	74.833	14.247	0.27421	2.56123	2 V
K14X53W	18.7	0.15	K2175	234.820	294.649	123.096	2.649	0.24027	2.57688	3 V
K14X53X	17.8	0.15	K2175	258.008	65.169	343.963	14.326	0.11120	2.56561	4 V
K14Y20Z	17.6	0.15	K2175	340.991	314.995	21.268	12.184	0.28646	2.38261	7 X
K14Y44H	19.0	0.15	K2175	15.088	340.378	304.762	28.640	0.01491	1.84274	4 X
K14Y76Z	16.3	0.15	K2175	17.469	328.114	298.838	26.351	0.22572	2.78958	7 X
K14Y78F	18.9	0.15	K2175	255.564	121.140	294.776	19.570	0.08048	1.86166	5 X
K14Y90F	17.6	0.15	K2175	280.489	64.258	286.121	11.383	0.18042	2.57193	3 V
K14Y90G	17.5	0.15	K2175	276.915	340.152	19.546	5.013	0.24181	2.53997	5 V
K14Y90H	19.3	0.15	K2175	231.222	40.211	21.720	4.948	0.31075	2.55744	2 V
K14Y90J	18.3	0.15	K2175	214.278	39.865	48.729	6.954	0.18074	2.58428	3 V
K15A27E	17.4	0.15	K2175	279.530	245.128	112.268	8.327	0.22268	2.61921	5 X
K15A41E	17.6	0.15	K2175	209.121	300.096	114.194	5.911	0.12263	2.71664	6 V
K15A64U	17.5	0.15	K2175	210.509	140.718	253.607	2.590	0.10211	2.77372	7 V
K15AB9H	17.5	0.15	K2175	196.790	202.248	287.701	10.491	0.02263	2.56762	6 X
K15AC8P	18.3	0.15	K2175	211.432	274.038	130.487	4.102	0.19862	2.73301	4 V
K15AG1J	17.5	0.15	K2175	326.797	48.223	300.882	15.979	0.18171	2.56490	6 X
K15AJ4B	17.7	0.15	K2175	350.723	9.434	304.259	15.549	0.18891	2.64483	5 X
K15AJ4T	16.9	0.15	K2175	264.607	214.062	122.043	16.008	0.14731	2.84541	5 V
K15AL1Z	17.7	0.15	K2175	130.937	12.815	164.743	14.980	0.05532	2.54970	9 X
K15AN5Y	16.9	0.15	K2175	358.237	43.496	278.492	11.509	0.12887	2.64754	8 X
K15AO0O	17.2	0.15	K2175	278.037	136.435	263.686	8.762	0.09437	2.61590	8 X
K15AP7N	16.6	0.15	K2175	11.110	167.891	107.335	18.423	0.22603	2.73058	7 X
K15AR3F	17.3	0.15	K2175	351.146	56.970	259.043	6.547	0.10777	2.57715	9 X
K15AT6U	19.8	0.15	K2175	319.246	42.742	318.354	21.347	0.09617	1.82728	4 X
K15AU0E	16.9	0.15	K2175	0.727	4.005	291.012	14.529	0.09770	2.75297	8 X
K15B03P	18.3	0.15	K2175	301.522	78.915	292.775	17.286	0.12293	1.84496	8 X
K15B27W	17.0	0.15	K2175	221.022	303.225	152.554	22.322	0.05007	2.67014	8 X
K15B27Y	15.7	0.15	K2175	148.289	192.784	320.720	16.822	0.05128	2.74337	12 X
K15B41T	18.0	0.15	K2175	197.396	31.339	44.595	5.482	0.09791	2.69967	6 V
K15B53N	16.9	0.15	K2175	79.211	314.697	272.829	11.391	0.04348	2.62821	4 X
K15B68H	16.9	0.15	K2175	23.507	77.155	159.079	22.397	0.49368	3.17095	5 X
K15BF7L	17.5	0.15	K2175	301.103	196.751	198.845	7.959	0.22892	2.48314	9 X
K15BH9J	18.1	0.15	K2175	210.710	336.810	69.493	4.845	0.10923	2.78733	2 V
K15BL1C	17.2	0.15	K2175	230.545	165.348	277.952	13.616	0.06183	2.53745	7 X
K15BM1C	17.6	0.15	K2175	347.853	30.131	304.450	13.337	0.08270	2.53169	8 X
K15BN5V	18.2	0.15	K2175	183.538	127.306	358.069	5.250	0.22477	2.61352	4 V
K15BN6D	17.7	0.15	K2175	317.030	49.447	308.232	14.112	0.13852	2.53273	9 X
K15BN8D	16.7	0.15	K2175	203.785	202.308	276.763	13.380	0.03138	2.57730	8 X
K15BO1R	19.0	0.15	K2175	235.562	149.892	298.798	20.118	0.08649	1.84866	5 X
K15BO1S	16.9	0.15	K2175	41.731	92.929	155.129	5.503	0.12563	2.75284	10 X
K15BP5Z	16.8	0.15	K2175	23.947	125.306	149.460	12.922	0.11724	2.71900	8 X
K15BQ0E	17.2	0.15	K2175	170.198	198.652	303.524	13.391	0.05167	2.65726	8 X
K15BQ5A	18.0	0.15	K2175	234.564	348.669	47.840	5.255	0.12487	2.68346	3 V
K15BS2N	17.6	0.15	K2175	31.116	23.834	259.638	11.508	0.10938	2.62964	6 X
K15BS5O	17.5	0.15	K2175	102.004	301.206	266.507	11.626	0.11418	2.68333	6 X
K15BT3R	17.3	0.15	K2175	200.817	250.937	222.636	9.624	0.07642	2.62647	10 X
K15BV1F	19.2	0.15	K2175	297.265	237.861	133.621	30.771	0.09470	1.86580	3 X
K15BW2P	17.4	0.15	K2175	308.247	22.512	339.961	9.106	0.12298	2.60424	9 X
K15BW8C	17.4	0.15	K2175	173.196	39.446	358.679	8.302	0.21838	2.94305	4 V
K15BX2Q	17.1	0.15	K2175	186.178	251.263	125.566	10.164	0.09520	3.01560	5 V
K15BZ8A	16.5	0.15	K2175	154.042	274.684	81.265	5.272	0.04157	3.19581	6 V
K15Bb8Z	17.2	0.15	K2175	352.695	342.035	325.410	12.943	0.24779	2.66462	6 X
K15Bc2T	17.8	0.15	K2175	331.262	304.395	35.229	1.974	0.14122	2.61391	11 X
K15Bq0L	17.3	0.15	K2175	278.345	94.345	321.325	21.833	0.05960	2.58312	6 X
K15Bi1Y	16.9	0.15	K2175	353.952	165.128	138.211	9.520	0.14804	2.78336	8 X
K15Bj9G	17.0	0.15	K2175	56.846	105.892	134.381	5.901	0.10925	2.77708	10 X
K15Bm5E	16.3	0.15	K2175	147.177	213.590	309.336	13.517	0.03201	2.66229	10 X
K15Bn4E	17.3	0.15	K2175	56.549	271.484	326.047	0.768	0.10407	2.76844	6 X
K15Bq0V	18.3	0.15	K2175	190.236	318.722	167.408	22.657	0.06677	1.92238	4 X
K15Bq7R	18.6	0.15	K2175	102.397	261.746	295.929	18.693	0.11718	1.93323	3 X
K15Bq8V	16.5	0.15	K2175	8.913	351.376	309.506	15.325	0.19059	2.69599	8 X
K15Bs3C	16.9	0.15	K2175	82.269	53.188	91.688	11.743	0.12979	3.03186	5 X
K15Bu1A	17.1	0.15	K2175	227.105	200.400	264.569	12.072	0.13465	2.54854	6 X
K15Bu9O	17.8	0.15	K2175	272.975	139.896	270.471	10.579	0.14510	2.59537	6 X
K15Bv0Q	17.3	0.15	K2175	226.324	162.059	282.830	12.699	0.03653	2.61261	5 X
K15Bv8T	18.7	0.15	K2175	332.947	34.406	250.692	19.034	0.06785	1.91399	5 X
K15Bw0M	17.2	0.15	K2175	287.553	93.794	305.312	29.976	0.20263	2.58477	4 X
K15Bx8O	17.5	0.15	K2175	10.997	23.441	279.305	8.892	0.10915	2.81681	7 X
K15Bx8R	17.6	0.15	K2175	68.553	28.931	206.640	8.790	0.09121	2.75984	5 X
K15By4V	17.3	0.15	K2175	108.207	277.663	277.145	7.820	0.09081	2.75522	7 X
K15C16V	18.7	0.15	K2175	169.532	350.551	145.916	24.358	0.02776	1.90175	8 X
K15C37C	17.6	0.15	K2175	128.668	182.060	341.630	9.878	0.13102	2.72827	4 X
K15C78V	16.2	0.15	K2175	97.057	350.330	89.277	11.155	0.09585	3.15131	6 V
K15C78W	17.7	0.15	K2175	293.423	39.032	351.868	15.668	0.13223	2.60274	3 V
K15D00V	17.8	0.15	K2175	266.184	96.897	303.698	18.558	0.09038	1.88749	7 X
K15D04K	17.4	0.15	K2175	343.986	264.370	59.080	2.649	0.07613	2.62692	11 X
K15D40K	17.5	0.15	K2175	16.202	116.629	114.559	10.765	0.06475	3.01685	3 X
K15D42W	18.7	0.15	K2175	199.644	101.480	355.995	19.997	0.10426	1.91110	6 X
K15DD5N	17.3	0.15	K2175	9.213	147.822	81.333	18.170	0.20375	3.19953	4 X
K15DD7O	16.3	0.15	K2175	357.779	204.202	102.286	19.123	0.26376	3.05325	6 X
K15DD8H	16.1	0.15	K2175	18.534	146.044	131.531	19.862	0.09919	3.04445	9 X
K15DE1G	16.9	0.15	K2175	25.758	25.845	260.829	10.489	0.10366	2.60729	7 X
K15DE5F	16.8	0.15	K2175	77.914	305.876	280.459	12.056	0.16597	2.71449	7 X
K15DF5Q	17.9	0.15	K2175	0.875	5.350	286.795	20.697	0.10917	1.91363	7 X
K15DF8J	17.3	0.15	K2175	54.759	41.957	211.113	12.085	0.12458	2.71938	8 X
K15DH7O	18.4	0.15	K2175	118.011	44.838	132.422	22.176	0.06436	1.89061	5 X
K15DH9W	16.1	0.15	K2175	89.108	284.583	290.410	11.886	0.15839	2.78442	9 X
K15DK2W	16.6	0.15	K2175	316.932	68.334	226.096	9.863	0.03739	2.99860	11 X
K15DK3N	16.8	0.15	K2175	100.995	273.719	295.575	7.984	0.05519	2.77435	10 X
K15DK7H	17.6	0.15	K2175	33.624	90.705	157.387	12.436	0.30555	3.07304	3 X

K15DN0N	16.7	0.15	K2175	13.153	2.826	283.328	3.634	0.15191	2.70542	10	X
K15DN7X	17.5	0.15	K2175	94.566	27.668	181.220	9.614	0.09592	2.81463	5	X
K15DQ7M	17.8	0.15	K2175	343.653	270.673	43.984	4.931	0.06165	2.80181	6	X
K15DR6Z	17.1	0.15	K2175	18.834	46.793	250.078	7.957	0.13979	2.78980	6	X
K15DS1L	17.7	0.15	K2175	87.116	341.150	232.040	8.253	0.08585	2.78525	4	X
K15DS9W	17.2	0.15	K2175	69.610	305.451	226.471	8.387	0.07851	3.00787	7	X
K15DT4T	17.8	0.15	K2175	167.737	301.900	174.635	8.328	0.24170	2.77812	4	V
K15DT4U	17.7	0.15	K2175	178.163	25.977	79.948	8.864	0.18490	2.80287	3	V
K15E11V	17.6	0.15	K2175	195.163	353.672	109.347	9.888	0.03286	2.70025	10	X
K15E29K	17.3	0.15	K2175	359.130	140.004	165.225	4.878	0.04657	2.75358	10	X
K15E42E	16.8	0.15	K2175	297.601	89.990	280.561	4.856	0.05018	2.70612	12	X
K15E53D	17.1	0.15	K2175	322.226	171.702	192.707	11.593	0.06865	2.65103	10	X
K15E54H	16.8	0.15	K2175	345.381	40.536	288.664	8.546	0.10731	2.70411	9	X
K15E58X	16.5	0.15	K2175	37.581	101.913	89.384	20.714	0.21395	3.17213	6	X
K15E69X	19.1	0.15	K2175	19.134	129.724	157.462	23.087	0.07526	1.91964	6	X
K15E76T	16.3	0.15	K2175	64.327	39.304	114.183	27.538	0.20110	3.17796	4	X
K15F11M	16.8	0.15	K2175	259.435	253.909	101.268	10.150	0.10930	3.04709	6	X
K15F43Q	17.3	0.15	K2175	59.615	53.643	174.449	7.479	0.23677	3.01943	6	X
K15F55C	16.9	0.15	K2175	77.264	325.947	269.740	13.723	0.05463	2.69210	5	X
K15F59Z	17.6	0.15	K2175	19.945	14.135	265.657	10.863	0.16137	2.80375	5	X
K15F64G	16.6	0.15	K2175	350.145	22.469	308.984	20.644	0.17310	2.77000	6	X
K15F70J	16.5	0.15	K2175	26.908	63.256	148.610	23.168	0.10487	3.22505	5	X
K15F71M	16.2	0.15	K2175	78.383	294.487	204.130	25.973	0.22537	3.19333	4	X
K15F74L	16.8	0.15	K2175	352.550	222.074	94.502	2.582	0.12561	2.94898	10	X
K15F80L	16.3	0.15	K2175	22.103	27.802	263.697	7.945	0.14051	2.73978	11	X
K15F88L	16.9	0.15	K2175	101.213	19.563	200.323	11.400	0.05821	2.71644	9	X
K15F91G	17.3	0.15	K2175	91.554	19.926	192.538	11.335	0.05630	2.77564	7	X
K15F92B	17.0	0.15	K2175	3.171	41.011	276.265	12.028	0.13719	2.70974	10	X
K15F97W	17.2	0.15	K2175	356.386	46.629	207.458	11.743	0.19070	3.13446	7	X
K15FA2W	17.1	0.15	K2175	162.768	204.753	237.051	10.896	0.05078	3.06306	5	V
K15FA6S	17.4	0.15	K2175	6.519	67.878	249.861	4.297	0.06021	2.77835	10	X
K15FB2C	17.3	0.15	K2175	52.323	320.151	221.488	6.466	0.16090	3.14366	5	X
K15FB4R	16.5	0.15	K2175	279.656	136.542	206.806	10.790	0.14054	3.05274	7	X
K15FC6J	17.0	0.15	K2175	62.678	349.016	240.716	8.042	0.21564	2.80276	6	X
K15FC9C	17.2	0.15	K2175	67.307	61.835	173.511	19.516	0.11991	2.73233	6	X
K15FD6T	17.7	0.15	K2175	112.291	325.340	227.438	7.365	0.07602	2.77679	5	X
K15FE7O	17.4	0.15	K2175	308.307	209.301	175.998	14.835	0.12542	2.72059	6	X
K15FG8W	16.5	0.15	K2175	156.264	346.357	175.073	15.986	0.09217	2.76487	10	X
K15FJ1L	17.1	0.15	K2175	38.948	354.123	282.552	10.280	0.06573	2.75059	7	X
K15FK0B	17.0	0.15	K2175	232.831	246.660	197.637	8.223	0.07324	2.70239	9	X
K15FK9P	17.4	0.15	K2175	355.011	94.940	181.558	17.302	0.31708	3.07008	4	X
K15FO9N	16.7	0.15	K2175	15.983	66.765	174.856	22.271	0.15310	3.09504	8	X
K15FQ6S	17.5	0.15	K2175	204.170	15.489	79.459	5.025	0.06203	2.76341	8	X
K15FT3O	16.3	0.15	K2175	47.940	56.416	136.659	26.567	0.11475	3.17639	7	X
K15FY0Z	18.2	0.15	K2175	5.031	19.943	279.628	17.591	0.06057	1.94725	7	X
K15FY2S	16.3	0.15	K2175	10.044	168.511	119.488	6.324	0.12673	2.94386	16	X
K15Fa5P	18.6	0.15	K2175	59.973	65.586	184.472	21.487	0.02991	1.89847	7	X
K15Fb0C	16.8	0.15	K2175	337.287	65.429	271.335	14.002	0.16107	2.79320	5	X
K15Fb1C	17.0	0.15	K2175	281.747	128.862	267.747	13.116	0.08590	2.73939	9	X
K15Fb8G	17.3	0.15	K2175	345.044	59.842	277.147	12.942	0.15641	2.69290	7	X
K15Fc0K	17.3	0.15	K2175	295.387	91.529	307.274	10.594	0.07667	2.62295	7	X
K15Fc3E	16.8	0.15	K2175	10.962	352.046	310.652	13.553	0.13259	2.77162	8	X
K15Fc8K	16.5	0.15	K2175	331.563	47.797	306.140	7.203	0.21796	2.78203	10	X
K15Fc9U	16.9	0.15	K2175	299.106	106.963	216.557	8.134	0.09453	3.05289	9	X
K15Ff2U	16.4	0.15	K2175	36.802	76.405	116.343	26.390	0.16908	3.18550	5	X
K15Ff5Q	16.8	0.15	K2175	312.450	216.967	141.484	16.159	0.05667	3.00852	7	X
K15Fg8W	17.6	0.15	K2175	119.815	282.870	261.622	3.096	0.03995	2.78604	6	X
K15Fi3O	16.9	0.15	K2175	340.706	66.836	207.726	26.169	0.14341	3.14023	6	X
K15Fi8F	17.6	0.15	K2175	170.432	101.451	66.713	6.187	0.05450	2.69425	6	V
K15G14G	16.6	0.15	K2175	115.338	9.953	188.952	12.662	0.10059	2.78699	11	X
K15H06D	17.0	0.15	K2175	116.319	308.945	242.719	8.262	0.15672	2.80912	8	X
K15H06S	16.4	0.15	K2175	10.453	355.008	288.167	9.916	0.22044	2.97251	9	X
K15H08Q	16.7	0.15	K2175	306.919	241.058	124.883	7.322	0.07189	2.76375	10	X
K15H34J	16.0	0.15	K2175	359.188	44.155	206.170	25.223	0.04731	3.18327	8	X
K15H39D	17.5	0.15	K2175	79.016	52.657	168.597	13.250	0.08140	2.94423	6	X
K15H81E	17.6	0.15	K2175	358.114	332.125	335.981	1.137	0.22718	3.03159	7	X
K15HA6V	17.0	0.15	K2175	314.479	226.924	96.381	15.527	0.28247	3.16494	4	X
K15HB1A	17.2	0.15	K2175	330.608	123.560	178.244	21.745	0.16054	3.16968	4	X
K15HB7P	18.4	0.15	K2175	39.379	110.445	150.858	24.754	0.08553	2.01470	5	X
K15HB9Z	17.3	0.15	K2175	284.185	186.884	220.374	4.991	0.04273	2.79381	10	X
K15HC2J	17.7	0.15	K2175	2.410	94.851	184.841	5.160	0.13969	3.07695	2	V
K15HD6K	17.1	0.15	K2175	325.791	220.286	125.362	3.029	0.09795	2.95227	8	X
K15HE0Z	17.6	0.15	K2175	5.708	100.082	208.760	5.090	0.05925	2.91119	6	X
K15HH6U	15.9	0.15	K2175	22.603	120.103	140.526	26.567	0.35381	3.14106	7	X
K15HH9P	17.0	0.15	K2175	194.620	248.354	236.218	8.244	0.21589	2.73228	10	X
K15HI7X	16.5	0.15	K2175	338.805	204.400	134.582	16.414	0.22664	3.13857	6	X
K15HJ2B	17.4	0.15	K2175	12.532	128.107	167.505	10.071	0.10347	3.02588	7	X
K15HK8G	17.1	0.15	K2175	58.571	4.089	251.567	6.131	0.10122	2.90750	10	X
K15HM2L	17.7	0.15	K2175	206.717	86.046	46.564	10.025	0.13474	2.73313	3	V
K15J02T	16.8	0.15	K2175	122.668	9.319	115.208	10.548	0.04709	3.16756	6	X
K15J07Q	16.4	0.15	K2175	274.326	246.431	100.617	16.531	0.10504	3.16252	5	X
K15J14L	16.6	0.15	K2175	347.419	179.616	148.247	15.611	0.18644	3.11889	6	X
K15K02Q	17.1	0.15	K2175	151.006	234.200	288.024	12.915	0.08841	2.76165	4	X
K15K22T	15.3	0.15	K2175	349.151	106.626	153.831	22.182	0.07014	3.36944	11	X
K15K24K	15.9	0.15	K2175	290.272	157.783	227.612	8.636	0.06122	2.98493	12	X
K15K42R	16.6	0.15	K2175	67.509	355.871	248.196	9.430	0.05570	2.98164	10	X
K15K55M	16.0	0.15	K2175	268.412	158.741	249.819	8.092	0.06188	2.98603	10	X
K15K70V	17.2	0.15	K2175	68.911	80.495	157.271	9.756	0.08742	2.96250	10	X
K15K71A	17.1	0.15	K2175	338.352	175.844	156.470	10.086	0.10471	2.99431	10	X
K15K73N	17.2	0.15	K2175	359.761	113.177	139.242	6.387	0.09862	3.25170	5	X
K15K80O	17.0	0.15	K2175	339.961	175.845	149.411	11.056	0.14728	3.05508	8	X
K15K81A	17.2	0.15	K2175	307.618	201.101	172.594	11.606	0.13412	2.96189	7	X
K15K81S	16.9	0.15	K2175	16.161	123.231	175.818	12.282	0.15123	3.00878	9	X

K15KA5Y	16.3	0.15	K2175	336.898	130.409	204.082	9.267	0.07691	3.04799	10	X
K15KC9L	17.1	0.15	K2175	28.562	75.036	204.233	6.823	0.20560	3.00994	5	X
K15KF4F	17.0	0.15	K2175	8.562	58.091	235.257	5.834	0.15804	3.10308	5	X
K15KG8D	16.9	0.15	K2175	35.470	53.967	223.183	7.202	0.06793	3.01226	8	X
K15KH0F	17.2	0.15	K2175	347.542	145.470	177.869	8.627	0.14993	3.07376	5	X
K15KI0G	17.2	0.15	K2175	350.820	154.662	169.706	12.784	0.30661	3.09309	5	X
K15KI0H	18.4	0.15	K2175	268.439	163.194	256.037	19.862	0.08972	1.92865	6	X
K15KI8H	16.7	0.15	K2175	27.254	176.320	87.624	10.545	0.08939	3.08452	7	X
K15KJ2X	17.5	0.15	K2175	358.165	162.259	142.756	11.743	0.21402	3.11411	4	X
K15L00T	16.5	0.15	K2175	359.758	166.238	133.078	17.547	0.10654	3.03363	8	X
K15L05X	15.8	0.15	K2175	2.504	2.986	291.064	8.339	0.07683	3.04336	14	X
K15L08J	16.7	0.15	K2175	347.803	190.722	123.434	21.061	0.16418	3.17427	6	X
K15L22J	15.0	0.15	K2175	21.257	164.811	109.119	29.631	0.15981	3.15814	14	X
K15L37O	16.3	0.15	K2175	15.639	66.082	225.271	8.660	0.02288	3.00656	12	X
K15L45U	15.8	0.15	K2175	103.945	275.593	292.056	14.689	0.05342	3.16134	10	X
K15L49Q	16.0	0.15	K2175	49.000	318.622	288.399	18.792	0.16098	3.14415	7	X
K15L52Z	16.9	0.15	K2175	4.052	70.269	251.095	8.703	0.07780	2.99388	6	X
K15M04V	16.8	0.15	K2175	315.915	116.561	253.238	8.352	0.11921	3.18845	6	X
K15M09R	16.8	0.15	K2175	19.884	29.609	266.409	10.920	0.10869	3.20290	6	X
K15M18J	17.3	0.15	K2175	26.830	2.001	277.323	8.006	0.13100	2.99329	5	X
K15M32K	17.0	0.15	K2175	2.664	81.952	218.988	16.258	0.24471	3.09710	5	X
K15M36L	17.3	0.15	K2175	297.995	262.524	109.619	11.086	0.12632	3.01730	4	X
K15M42Y	17.3	0.15	K2175	333.144	220.770	129.122	13.883	0.28341	3.08025	3	X
K15M43J	17.1	0.15	K2175	330.443	222.451	107.299	16.224	0.04715	3.04797	7	X
K15M65F	17.0	0.15	K2175	18.904	13.029	289.333	8.807	0.13292	3.18657	4	X
K15M82C	16.7	0.15	K2175	285.585	159.376	242.561	7.804	0.11551	3.23112	10	X
K15M85U	16.8	0.15	K2175	317.754	109.408	255.820	8.246	0.14530	3.22154	7	X
K15M86X	16.8	0.15	K2175	313.149	101.644	270.671	11.046	0.12403	3.20335	5	X
K15M95R	16.4	0.15	K2175	28.708	15.255	272.679	9.793	0.04301	3.16805	5	X
K15ME2C	16.7	0.15	K2175	19.700	359.093	289.197	11.680	0.06740	3.19478	6	X
K15MF6O	16.3	0.15	K2175	113.660	268.622	285.267	13.859	0.11382	3.12373	5	X
K15MG4Q	16.3	0.15	K2175	346.442	94.348	249.488	9.469	0.09795	3.13939	9	X
K15MG8H	16.7	0.15	K2175	176.679	245.288	252.208	7.996	0.01153	3.20243	7	X
K15MG9W	18.9	0.15	K2175	326.354	208.982	157.733	11.048	0.33408	2.05090	4	X
K15N08L	16.5	0.15	K2175	356.776	51.833	280.881	10.047	0.12236	3.19395	8	X
K15N12Z	16.3	0.15	K2175	27.267	94.829	171.427	9.967	0.20476	3.14341	9	X
K15N14S	17.1	0.15	K2175	19.289	192.083	76.310	10.128	0.17038	3.16437	6	X
K15N20E	16.3	0.15	K2175	52.681	315.814	295.364	10.063	0.09672	3.06100	10	X
K15N20F	16.0	0.15	K2175	344.594	61.848	282.292	10.595	0.03502	2.96945	6	X
K15N28Z	17.1	0.15	K2175	340.237	112.226	248.111	15.124	0.35105	3.08853	5	X
K15N36B	16.2	0.15	K2175	111.072	272.006	278.144	22.964	0.25269	3.21544	2	V
K15O00E	16.4	0.15	K2175	33.369	335.729	304.099	14.983	0.20184	3.16233	7	X
K15O03L	16.5	0.15	K2175	46.916	78.136	175.203	11.608	0.09053	3.23793	11	X
K15O08B	16.6	0.15	K2175	44.311	93.686	172.308	12.287	0.05082	3.25580	9	X
K15OF0F	17.3	0.15	K2175	213.055	356.194	305.140	13.129	0.15833	2.56418	7	V
K15OF0G	17.9	0.15	K2175	262.659	340.174	251.293	6.087	0.06450	2.46152	5	V
K15OF0H	17.1	0.15	K2175	66.953	82.508	338.080	21.758	0.03773	2.65026	4	V
K15P72M	16.2	0.15	K2175	57.197	325.249	298.926	9.649	0.08666	3.15450	10	X
K15PP7Y	16.2	0.15	K2175	194.869	184.275	303.512	15.402	0.07065	3.19079	8	X
K15PQ0J	16.2	0.15	K2175	72.766	269.490	310.075	24.256	0.25026	3.21090	6	X
K15Q00D	16.1	0.15	K2175	346.122	199.917	125.358	31.244	0.25981	3.13759	6	X
K15Q01R	15.7	0.15	K2175	267.588	129.581	297.897	15.994	0.10228	3.15080	10	X
K15RX9Q	19.1	0.15	K2175	5.426	106.289	180.808	1.768	0.15579	2.12292	8	X
K15RY1Z	19.8	0.15	K2175	349.602	153.489	153.742	4.134	0.20128	2.14014	4	X
K15RY2G	16.9	0.15	K2175	129.333	74.634	181.701	15.171	0.06183	3.15733	7	V
K15S49D	17.6	0.15	K2175	116.322	250.241	107.881	6.928	0.06132	2.74997	3	V
K15T88F	18.9	0.15	K2175	354.805	91.315	214.965	6.069	0.22077	2.16911	6	X
K15T93U	18.1	0.15	K2175	112.691	293.891	253.588	7.567	0.11771	2.26243	9	X
K15T95A	18.3	0.15	K2175	98.499	218.290	333.132	4.657	0.05150	2.25145	9	X
K15TD1S	17.8	0.15	K2175	4.396	200.874	85.490	8.811	0.16376	2.19919	10	X
K15TK5S	18.4	0.15	K2175	258.458	74.727	331.881	5.847	0.08884	2.17251	8	X
K15TL1B	19.2	0.15	K2175	339.682	81.419	210.521	5.208	0.24571	2.16512	5	X
K15TR5N	19.0	0.15	K2175	63.657	347.882	253.211	2.612	0.05748	2.15229	7	X
K15Tf0N	19.3	0.15	K2175	344.381	113.449	206.727	2.255	0.16460	2.17280	3	X
K15Tf0W	14.3	0.15	K2175	251.295	132.586	221.865	26.780	0.03955	5.27478	4	X
K15Tj0Z	19.2	0.15	K2175	327.375	276.147	40.454	4.192	0.17123	2.19289	3	V
K15V34A	18.0	0.15	K2175	340.881	81.262	252.333	5.628	0.08483	2.16843	11	X
K15VK2G	18.3	0.15	K2175	358.867	38.256	219.638	23.880	0.22105	2.27155	4	X
K15VK6A	17.6	0.15	K2175	110.329	319.311	53.849	3.676	0.00909	2.76234	5	V
K15VK6B	17.6	0.15	K2175	38.278	107.674	353.844	5.432	0.05467	2.77146	6	V
K15VK6C	17.2	0.15	K2175	197.345	44.249	245.209	12.366	0.15580	2.74112	4	V
K15W25R	19.4	0.15	K2175	320.132	203.132	146.819	6.282	0.18503	2.17321	3	X
K15X46Y	19.3	0.15	K2175	316.150	203.746	160.144	4.036	0.23369	2.14533	4	X
K15XB6V	18.2	0.15	K2175	280.742	171.243	181.777	5.045	0.15421	2.29537	9	X
K15XH6F	18.3	0.15	K2175	335.467	166.596	121.075	6.930	0.10772	2.33541	7	X
K15XT2R	19.2	0.15	K2175	347.655	97.101	231.507	4.819	0.20761	2.17533	3	V
K15Xc6B	14.5	0.15	K2175	328.607	141.146	129.281	7.000	0.04102	5.17270	9	X
K15Xf9B	17.5	0.15	K2175	14.837	24.257	213.134	11.059	0.13324	2.66896	7	X
K15Xl1H	14.7	0.15	K2175	315.013	208.147	79.501	13.985	0.03945	5.13742	4	X
K15Xl7W	17.4	0.15	K2175	353.843	64.918	94.572	7.338	0.02705	2.85002	8	V
K15Xl7X	19.4	0.15	K2175	310.848	136.786	214.859	4.463	0.18268	2.19996	3	V
K15Y22Q	17.0	0.15	K2175	64.832	62.171	109.787	15.106	0.11282	2.60601	7	X
K15Y26L	18.0	0.15	K2175	69.489	19.304	153.650	4.514	0.09750	2.55136	8	X
K15Y36J	18.0	0.15	K2175	241.515	274.576	66.656	3.539	0.11446	2.53189	3	V
K16A19N	17.6	0.15	K2175	68.520	50.971	112.088	6.698	0.15385	2.60081	5	X
K16A38X	18.1	0.15	K2175	343.549	40.110	278.887	8.096	0.19947	2.28553	6	X
K16A50N	18.4	0.15	K2175	322.232	73.329	280.985	5.941	0.12647	2.26631	5	X
K16A63R	17.9	0.15	K2175	62.243	341.575	266.340	6.172	0.12194	2.32737	8	X
K16AE6C	17.7	0.15	K2175	52.326	305.046	229.259	13.146	0.23532	2.68498	3	X
K16AP4G	17.5	0.15	K2175	76.979	62.838	98.669	7.946	0.12136	2.58649	6	X
K16AP9M	17.5	0.15	K2175	34.943	119.221	93.362	10.834	0.04203	2.58126	7	X
K16AR4F	17.8	0.15	K2175	359.173	22.303	277.680	7.177	0.12297	2.47564	8	X
K16AR8P	17.2	0.15	K2175	1.900	132.095	124.697	32.036	0.27884	2.61739	3	X

K16AU7Q	18.4	0.15	K2175	70.849	208.197	6.578	4.365	0.13400	2.46449	5 X
K16AZ1D	17.3	0.15	K2175	265.802	123.182	186.803	25.525	0.01511	2.73519	8 V
K16B66L	17.9	0.15	K2175	285.595	219.306	172.687	6.531	0.12355	2.31210	11 X
K16BC1T	17.6	0.15	K2175	181.298	255.769	121.668	7.026	0.07346	2.72415	5 V
K16BC9D	17.1	0.15	K2175	260.564	142.748	102.155	11.204	0.05197	3.06929	6 V
K16BC9E	18.5	0.15	K2175	217.709	80.724	34.028	20.127	0.28361	2.29263	2 V
K16C13O	17.5	0.15	K2175	152.796	346.186	172.553	4.668	0.05703	2.38504	9 X
K16C31H	19.1	0.15	K2175	315.658	288.036	96.580	4.052	0.36819	2.19177	4 X
K16C37Q	15.9	0.15	K2175	274.315	291.007	325.498	22.830	0.38945	3.11890	7 V
K16C99K	17.9	0.15	K2175	71.244	48.155	171.325	13.724	0.13026	2.48068	6 X
K16CA7M	17.9	0.15	K2175	51.937	0.453	250.854	5.941	0.08086	2.42955	8 X
K16CB6W	17.9	0.15	K2175	65.782	345.192	247.890	6.104	0.06955	2.45883	7 X
K16CC4E	18.4	0.15	K2175	305.146	204.099	176.173	7.028	0.13340	2.30835	6 X
K16CE0D	17.6	0.15	K2175	85.583	7.966	216.538	7.226	0.07248	2.39478	10 X
K16CH1W	18.1	0.15	K2175	16.708	142.988	132.261	14.397	0.18580	2.46535	5 X
K16CI3T	17.8	0.15	K2175	125.065	319.452	218.011	5.968	0.17910	2.42633	7 X
K16CN7P	17.8	0.15	K2175	276.468	252.245	95.494	15.259	0.10016	2.55067	6 X
K16CN7S	17.8	0.15	K2175	330.532	193.745	97.483	14.970	0.14530	2.59421	5 X
K16CQ0Z	17.3	0.15	K2175	115.900	318.135	229.376	11.041	0.16659	2.57211	8 X
K16CQ3E	17.1	0.15	K2175	144.128	224.655	301.754	8.088	0.09394	2.53938	9 X
K16CQ9W	18.3	0.15	K2175	80.515	223.205	343.508	9.809	0.07123	2.51477	4 X
K16CR7Q	17.5	0.15	K2175	54.539	302.652	290.410	12.274	0.20852	2.64389	4 X
K16CR7T	17.4	0.15	K2175	86.794	310.375	267.994	10.881	0.11491	2.59299	3 X
K16CS4W	17.8	0.15	K2175	28.826	142.639	126.510	14.763	0.12739	2.53128	8 X
K16CU1Z	18.2	0.15	K2175	75.960	239.088	331.950	10.940	0.12137	2.54697	6 X
K16CU4U	17.4	0.15	K2175	32.592	105.167	143.113	14.071	0.19060	2.69124	7 X
K16CV4J	17.4	0.15	K2175	23.516	116.693	167.351	10.232	0.10944	2.61600	7 X
K16CW3Y	17.0	0.15	K2175	47.630	88.053	156.209	17.948	0.15157	2.65553	6 X
K16CY4F	18.2	0.15	K2175	32.107	86.125	168.845	6.489	0.26036	2.64894	5 X
K16CZ1G	17.0	0.15	K2175	349.115	87.258	169.541	15.055	0.11722	2.85086	6 X
K16Ca0B	17.6	0.15	K2175	26.283	134.840	125.092	7.421	0.20551	2.70408	5 X
K16Cc1Y	19.0	0.15	K2175	236.621	246.326	194.586	1.629	0.13854	2.37256	4 V
K16Cc1Z	17.1	0.15	K2175	171.002	329.770	348.942	8.174	0.04916	3.11661	6 V
K16Cc2A	16.6	0.15	K2175	220.125	125.971	153.706	12.076	0.04491	3.22267	4 V
K16Cc2B	16.5	0.15	K2175	180.454	194.312	121.059	10.490	0.10758	3.19068	5 V
K16Cc2C	17.5	0.15	K2175	272.656	190.709	128.605	7.094	0.10062	2.64998	6 V
K16D43E	17.0	0.15	K2175	171.285	340.827	344.043	8.828	0.05718	3.18060	5 V
K16D43F	16.8	0.15	K2175	188.856	138.332	176.880	8.429	0.05975	3.16527	9 V
K16E23C	17.9	0.15	K2175	47.429	286.632	309.831	11.511	0.21853	2.66073	6 X
K16E24P	17.0	0.15	K2175	54.890	311.175	290.486	11.127	0.15311	2.59963	7 X
K16E25J	17.2	0.15	K2175	15.047	352.898	299.151	9.805	0.15303	2.58840	8 X
K16E31X	17.8	0.15	K2175	15.094	163.530	111.153	15.402	0.23601	2.62469	5 X
K16E61U	17.1	0.15	K2175	37.315	349.873	260.709	12.751	0.21256	2.61863	8 X
K16E71N	16.8	0.15	K2175	51.752	282.109	305.265	6.867	0.20655	2.69674	10 X
K16E86O	19.6	0.15	K2175	262.078	124.666	288.228	13.678	0.12415	1.68252	4 X
K16EH2T	17.0	0.15	K2175	44.442	104.640	121.836	9.215	0.25406	2.71141	8 X
K16EP1A	17.4	0.15	K2175	38.033	340.670	275.906	6.262	0.28183	2.64804	7 X
K16EQ2P	18.3	0.15	K2175	46.822	329.534	269.182	10.300	0.21012	2.62132	4 X
K16ER2W	18.0	0.15	K2175	23.759	337.774	303.394	12.695	0.12488	2.54298	5 X
K16ES0K	18.1	0.15	K2175	93.370	151.731	43.324	5.815	0.11628	2.62466	3 V
K16EU5B	18.3	0.15	K2175	19.378	303.392	324.766	8.358	0.17566	2.64633	3 X
K16EU6D	16.9	0.15	K2175	166.400	218.140	172.767	9.181	0.04695	3.10090	8 V
K16F66Y	17.4	0.15	K2175	174.169	297.149	209.123	11.985	0.07225	2.56520	6 X
K16F74D	18.3	0.15	K2175	82.776	196.733	5.153	2.978	0.11027	2.60909	5 X
K16F79A	17.7	0.15	K2175	329.840	47.491	246.865	10.916	0.17422	2.66886	7 X
K16F80S	18.6	0.15	K2175	190.411	299.468	226.658	4.344	0.17084	2.32983	3 V
K16F80T	16.7	0.15	K2175	270.917	182.463	129.717	6.547	0.13186	3.05714	5 V
K16GA8S	17.5	0.15	K2175	49.202	181.006	70.868	3.306	0.02633	2.57747	13 X
K16GC8A	17.5	0.15	K2175	101.367	351.251	214.280	7.209	0.04329	2.53431	10 X
K16GH4N	18.0	0.15	K2175	19.848	118.183	166.518	5.673	0.16115	2.64561	8 X
K16GH9P	18.2	0.15	K2175	19.055	113.295	168.423	12.038	0.16909	2.66008	5 X
K16GM7E	17.7	0.15	K2175	357.834	60.284	248.763	3.171	0.16535	2.62322	7 X
K16GN7V	17.2	0.15	K2175	349.850	113.743	205.811	12.283	0.21447	2.75799	9 X
K16GO1Q	17.3	0.15	K2175	359.681	215.329	84.729	10.374	0.09278	2.70099	7 X
K16GO3N	17.1	0.15	K2175	283.452	99.838	287.685	2.812	0.06511	2.52871	11 X
K16GO3O	17.6	0.15	K2175	64.513	343.378	253.527	4.420	0.21801	2.60971	6 X
K16GO3Y	17.2	0.15	K2175	17.858	46.695	234.891	5.584	0.18662	2.65053	7 X
K16GP4X	18.4	0.15	K2175	43.254	167.972	65.837	5.533	0.18698	2.70193	4 X
K16GR1C	18.0	0.15	K2175	0.030	141.797	160.889	16.679	0.17215	2.71179	3 X
K16GR2E	17.9	0.15	K2175	357.165	146.809	162.333	12.449	0.18517	2.67789	4 X
K16GR3Z	17.8	0.15	K2175	19.731	62.537	215.307	8.444	0.26043	2.73645	6 X
K16GR5W	18.1	0.15	K2175	1.297	238.559	52.473	4.231	0.18959	2.72804	4 X
K16GS2N	17.4	0.15	K2175	204.909	272.930	206.338	12.199	0.14006	2.53719	9 X
K16GS3Y	18.0	0.15	K2175	88.569	162.389	46.900	6.091	0.11017	2.61344	4 V
K16GS7G	17.9	0.15	K2175	37.538	216.662	53.254	17.361	0.15196	2.63149	3 V
K16GS9T	17.9	0.15	K2175	63.554	8.587	231.221	7.067	0.07852	2.58763	5 X
K16GT1Z	17.9	0.15	K2175	35.666	19.843	250.810	5.548	0.07700	2.60555	6 X
K16GT2B	17.5	0.15	K2175	357.583	40.579	209.024	9.666	0.08016	2.77555	6 X
K16GU1J	18.4	0.15	K2175	2.677	297.364	358.379	1.855	0.18968	2.68238	5 X
K16GU3K	18.3	0.15	K2175	18.369	158.976	103.361	15.431	0.25721	2.72805	2 X
K16GU6Q	16.8	0.15	K2175	188.083	181.465	146.929	12.236	0.01914	3.19187	4 V
K16GU6R	16.2	0.15	K2175	266.875	232.604	57.153	18.136	0.18639	3.18567	5 V
K16GU6S	16.9	0.15	K2175	252.171	256.709	96.590	15.796	0.16926	2.85736	6 V
K16H02G	16.9	0.15	K2175	25.778	4.529	276.455	12.991	0.11937	2.58300	6 X
K16H06Y	17.3	0.15	K2175	356.059	145.134	159.482	3.829	0.13773	2.69342	9 X
K16J14M	17.3	0.15	K2175	353.545	164.251	154.608	15.061	0.12277	2.67594	7 X
K16J18Z	17.4	0.15	K2175	58.631	52.282	188.800	12.858	0.20625	2.65585	4 X
K16J41V	16.8	0.15	K2175	324.086	121.098	177.473	15.925	0.23268	3.12808	4 X
K16J42L	17.2	0.15	K2175	331.330	227.005	120.823	13.253	0.20322	2.70850	4 X
K16K04E	19.0	0.15	K2175	43.963	122.719	126.720	22.999	0.08685	1.83512	5 X
K16K12O	16.6	0.15	K2175	10.373	351.206	298.871	7.325	0.29312	2.85535	8 X
K16L17F	17.1	0.15	K2175	324.988	199.421	153.974	9.586	0.16029	2.71236	10 X
K16L17W	18.0	0.15	K2175	303.257	236.430	154.096	12.931	0.19177	2.62759	5 X

K16L27N	17.7	0.15	K2175	353.973	145.974	175.173	6.325	0.25968	2.76305	4	X
K16L27Q	17.5	0.15	K2175	326.807	249.819	115.643	10.986	0.34271	2.72682	5	X
K16L52R	18.4	0.15	K2175	55.333	314.253	286.325	18.446	0.06396	1.84018	7	X
K16L60Y	18.0	0.15	K2175	54.467	57.224	192.863	4.715	0.06672	2.70542	7	X
K16L62N	17.6	0.15	K2175	344.605	116.423	212.617	5.797	0.06134	2.92714	7	X
K16L64R	17.3	0.15	K2175	321.436	223.865	137.422	14.550	0.20358	2.73497	8	X
K16L73R	16.7	0.15	K2175	318.157	152.142	154.907	21.281	0.14409	3.21384	5	X
K16L90X	17.5	0.15	K2175	354.630	169.152	139.112	16.338	0.28003	2.85118	2	X
K16L92J	16.5	0.15	K2175	226.795	148.801	279.669	14.729	0.08359	3.11091	4	V
K16M05U	16.5	0.15	K2175	9.421	43.800	257.473	8.714	0.06502	3.07013	7	X
K16N02S	16.3	0.15	K2175	341.512	201.792	127.045	18.560	0.15359	2.77123	8	X
K16N03N	17.3	0.15	K2175	346.750	33.576	285.468	5.415	0.23761	2.93666	5	X
K16N18M	15.8	0.15	K2175	293.715	218.773	109.892	29.138	0.19901	3.18607	8	X
K16N49M	18.7	0.15	K2175	245.785	113.860	317.046	18.155	0.15332	1.87707	5	X
K16N53A	16.9	0.15	K2175	337.477	180.423	160.574	8.240	0.07483	2.87831	12	X
K16N56Y	18.7	0.15	K2175	236.018	137.831	301.522	19.243	0.06057	1.83785	5	X
K16N60S	17.3	0.15	K2175	13.411	70.109	219.386	5.499	0.20016	2.91935	6	X
K16N66W	16.2	0.15	K2175	333.185	81.782	262.036	13.130	0.11011	3.03616	7	X
K16N69W	16.7	0.15	K2175	302.011	253.066	119.830	11.572	0.12296	3.00195	9	X
K16N79J	16.2	0.15	K2175	331.130	61.174	290.020	10.010	0.08955	2.99445	12	X
K16N79Z	17.0	0.15	K2175	334.678	58.456	300.943	13.845	0.16381	2.88081	4	X
K16N87Q	16.7	0.15	K2175	268.352	117.562	305.357	25.640	0.09429	3.06273	5	X
K16N89Y	17.1	0.15	K2175	322.489	218.433	136.912	12.231	0.14046	3.05000	8	X
K16N96E	17.3	0.15	K2175	329.187	154.487	150.420	18.056	0.29806	3.10782	4	X
K16N97G	19.2	0.15	K2175	303.071	73.438	302.660	21.042	0.16091	1.86546	3	X
K16NE2X	17.0	0.15	K2175	308.092	162.733	169.377	17.678	0.20489	3.09365	4	X
K16NE5F	17.0	0.15	K2175	347.390	59.257	280.729	7.982	0.14412	2.85625	6	X
K16NE8G	16.4	0.15	K2175	263.564	116.493	268.343	14.956	0.09345	3.18724	4	V
K16O00K	15.9	0.15	K2175	342.794	64.049	275.795	24.361	0.38572	3.04635	8	X
K16O02L	16.8	0.15	K2175	308.122	152.887	173.241	16.658	0.21332	3.15123	8	X
K16O05X	16.9	0.15	K2175	352.552	12.875	303.116	15.394	0.17699	3.05374	5	X
K16O06B	16.8	0.15	K2175	11.891	28.876	279.111	10.191	0.18339	2.93329	7	X
K16O06M	16.7	0.15	K2175	351.821	60.667	268.628	10.142	0.11829	3.01866	7	X
K16O08A	16.8	0.15	K2175	342.723	88.178	178.395	16.109	0.20124	3.16897	4	X
K16O08O	16.5	0.15	K2175	339.841	223.872	104.178	10.961	0.13280	3.15017	5	X
K16O09P	18.9	0.15	K2175	41.069	81.936	133.206	23.833	0.05801	1.90468	4	X
K16P02C	22.9	0.15	K2175	87.385	22.489	130.257	15.190	0.46061	0.80113	2	X
K16P59M	16.9	0.15	K2175	38.238	123.017	122.143	17.739	0.24636	3.06195	7	X
K16P81U	16.0	0.15	K2175	73.782	117.430	100.382	17.935	0.09145	3.18036	8	X
K16P88C	17.5	0.15	K2175	9.161	128.086	178.121	13.929	0.27582	3.03291	6	X
K16P88S	16.7	0.15	K2175	342.733	332.253	346.961	8.959	0.14629	3.12012	4	X
K16PB0X	17.0	0.15	K2175	24.424	155.231	110.138	5.596	0.19313	3.05473	6	X
K16PB2G	16.6	0.15	K2175	337.713	219.423	115.032	3.612	0.22632	3.11256	7	X
K16PC5X	16.7	0.15	K2175	280.916	113.037	289.158	14.214	0.07369	2.97092	7	X
K16PC6B	17.1	0.15	K2175	283.849	174.833	211.837	9.112	0.01229	3.00405	7	X
K16PC7N	15.6	0.15	K2175	18.999	308.930	327.113	15.876	0.19237	3.09900	8	X
K16PD1G	17.1	0.15	K2175	312.827	226.662	175.202	16.902	0.27258	3.01831	3	X
K16PF2W	17.0	0.15	K2175	336.365	109.069	227.455	9.562	0.10138	2.96456	7	X
K16PG1G	16.9	0.15	K2175	328.879	177.359	171.215	16.410	0.11986	3.15278	4	X
K16PK0W	17.8	0.15	K2175	274.018	47.719	344.380	5.209	0.06757	2.93403	3	X
K16Q04P	17.2	0.15	K2175	339.157	163.473	170.767	3.427	0.14924	2.96631	7	X
K16Q05L	16.7	0.15	K2175	269.836	75.896	322.242	10.422	0.04311	3.00282	5	X
K16Q11J	18.6	0.15	K2175	27.742	314.448	311.027	17.858	0.04938	1.87185	3	X
K16Q16B	16.4	0.15	K2175	14.992	92.355	215.366	11.297	0.03825	2.92138	10	X
K16Q17G	16.7	0.15	K2175	131.150	258.747	278.028	9.160	0.03687	3.02304	7	X
K16Q18D	17.0	0.15	K2175	319.610	117.994	239.602	8.817	0.12081	3.00049	5	X
K16Q20U	17.1	0.15	K2175	317.308	88.103	291.763	10.090	0.12482	2.92893	4	X
K16Q20W	17.0	0.15	K2175	6.187	98.871	203.938	9.235	0.09536	2.99907	8	X
K16Q21F	17.0	0.15	K2175	319.000	70.539	282.309	7.816	0.11091	3.04213	10	X
K16Q23J	17.3	0.15	K2175	308.364	76.122	303.749	8.638	0.12117	2.98964	5	X
K16Q25J	16.2	0.15	K2175	55.643	324.107	285.294	13.356	0.08084	2.99010	8	X
K16Q25Q	16.6	0.15	K2175	328.446	66.072	285.826	8.858	0.09962	2.97492	9	X
K16Q28E	16.1	0.15	K2175	75.995	321.458	269.249	8.369	0.01797	3.11035	11	X
K16Q30T	17.4	0.15	K2175	326.194	223.447	142.270	17.069	0.27656	2.98208	4	X
K16Q36V	16.7	0.15	K2175	317.647	208.808	155.128	15.086	0.18897	2.99336	6	X
K16Q55C	16.3	0.15	K2175	281.107	253.334	182.203	15.067	0.31918	3.08452	9	X
K16Q67H	16.5	0.15	K2175	324.545	68.223	281.579	8.381	0.00747	2.93619	10	X
K16Q70X	16.8	0.15	K2175	8.138	345.553	304.361	5.228	0.17206	3.06737	8	X
K16Q72O	16.5	0.15	K2175	297.226	229.705	173.007	15.751	0.18153	3.04770	8	X
K16Q76D	16.3	0.15	K2175	286.019	93.085	298.602	14.152	0.17255	3.08921	9	X
K16Q81A	16.6	0.15	K2175	337.836	48.856	288.403	11.786	0.13220	3.05403	9	X
K16Q85S	18.5	0.15	K2175	294.280	76.640	300.884	17.641	0.08542	1.89701	6	X
K16Q85U	19.0	0.15	K2175	82.764	63.979	160.377	23.798	0.07030	1.88555	5	X
K16Q93R	16.8	0.15	K2175	309.672	196.727	178.077	10.707	0.07695	3.08528	8	X
K16Q98V	16.8	0.15	K2175	311.602	173.106	197.043	8.441	0.11367	3.09159	3	X
K16QA3Z	16.5	0.15	K2175	48.076	357.608	269.730	8.629	0.03956	3.06419	10	X
K16QA5H	16.8	0.15	K2175	343.450	63.895	262.687	7.500	0.05072	3.06069	7	X
K16QA7Q	17.8	0.15	K2175	36.146	30.286	238.292	8.560	0.19102	2.95399	4	X
K16QB0W	16.7	0.15	K2175	103.083	302.915	262.108	9.785	0.03200	3.12404	7	X
K16QB0Y	16.5	0.15	K2175	20.082	34.117	270.204	10.983	0.07772	2.98907	6	X
K16QB1J	17.1	0.15	K2175	280.968	168.094	227.493	7.021	0.06281	3.03052	7	X
K16QB1L	16.7	0.15	K2175	306.430	103.391	273.332	8.488	0.10486	3.03541	8	X
K16QB3B	17.1	0.15	K2175	346.452	66.566	256.334	8.288	0.07089	3.01852	5	X
K16QB3Q	16.8	0.15	K2175	357.741	27.718	288.529	10.275	0.06305	3.03374	7	X
K16R02E	16.9	0.15	K2175	286.321	109.214	292.265	14.238	0.10368	3.00946	5	X
K16R07B	17.2	0.15	K2175	277.171	186.040	227.798	4.918	0.11239	2.95704	9	X
K16R07C	17.7	0.15	K2175	341.022	89.409	263.250	4.905	0.23566	2.91302	4	X
K16R08O	15.8	0.15	K2175	344.933	40.361	282.679	8.451	0.09653	3.05988	11	X
K16R11M	16.0	0.15	K2175	322.776	95.344	275.178	20.809	0.24224	3.13282	5	X
K16R16Y	16.9	0.15	K2175	316.392	91.960	294.074	9.436	0.16301	3.02096	4	X
K16R30P	16.5	0.15	K2175	338.196	178.083	168.432	9.357	0.11112	3.02224	10	X
K16R31W	17.2	0.15	K2175	44.127	94.375	166.571	12.670	0.12919	3.06070	5	X
K16R32B	16.2	0.15	K2175	267.280	247.541	166.962	12.715	0.10395	3.11639	11	X

K16R39A	17.1	0.15	K2175	355.792	98.805	217.502	9.024	0.12652	3.06589	5 X
K16R45C	17.2	0.15	K2175	5.146	76.007	227.964	7.816	0.13483	3.11208	8 X
K16R46E	16.1	0.15	K2175	105.404	298.377	276.410	10.038	0.07675	3.05191	7 X
K16R49H	16.8	0.15	K2175	281.575	144.589	261.151	8.484	0.15094	3.11350	7 X
K16R49M	16.7	0.15	K2175	308.861	71.474	305.584	5.869	0.18573	3.10189	7 X
K16R49Y	17.3	0.15	K2175	340.738	125.076	216.441	8.138	0.13665	3.07975	5 X
K16R50F	17.2	0.15	K2175	341.161	91.770	246.550	5.293	0.15526	3.08398	5 X
K16R50L	16.3	0.15	K2175	57.844	355.224	260.870	7.070	0.15013	3.05370	10 X
K16R52L	17.0	0.15	K2175	334.295	227.125	120.725	18.219	0.23914	3.08145	5 X
K16R53D	16.5	0.15	K2175	328.174	96.671	277.804	20.688	0.25460	3.06738	5 X
K16R60S	16.8	0.15	K2175	20.590	28.742	274.293	7.976	0.09896	3.00617	7 X
K16R69J	17.1	0.15	K2175	2.689	101.899	214.036	9.182	0.05495	3.07974	5 X
K16R73V	16.8	0.15	K2175	317.603	18.028	333.494	10.944	0.09170	3.16636	4 X
K16R74X	17.1	0.15	K2175	340.919	176.573	164.251	13.400	0.16206	3.06530	4 X
K16R76Q	17.0	0.15	K2175	302.094	93.194	292.435	8.693	0.11590	3.07997	4 X
K16R77S	17.5	0.15	K2175	6.773	99.333	272.083	3.709	0.03912	2.77862	7 V
K16S12S	16.8	0.15	K2175	290.633	229.477	181.227	14.184	0.28416	3.17800	5 X
K16S15Z	17.2	0.15	K2175	351.696	148.029	178.591	9.052	0.25503	3.03629	5 X
K16S16D	17.0	0.15	K2175	316.205	187.683	184.330	7.027	0.21663	3.09352	7 X
K16S28R	16.7	0.15	K2175	330.409	294.748	38.102	3.288	0.12226	3.22849	5 X
K16S30Z	16.8	0.15	K2175	286.543	239.693	158.446	13.714	0.09894	3.24360	7 X
K16S31R	16.8	0.15	K2175	307.532	211.931	175.970	11.081	0.22975	3.11979	7 X
K16S44H	16.8	0.15	K2175	306.791	218.908	176.709	16.595	0.15150	3.08661	8 X
K16S51Y	16.5	0.15	K2175	307.222	91.992	285.211	9.139	0.13686	3.10623	6 X
K16S65B	16.8	0.15	K2175	282.505	237.224	170.661	12.680	0.10843	3.19447	4 X
K16S76K	16.6	0.15	K2175	315.976	109.505	252.956	8.908	0.09633	3.11312	4 X
K16T06A	16.6	0.15	K2175	48.250	92.291	174.502	13.682	0.03028	3.16356	9 X
K16T08D	17.2	0.15	K2175	318.958	240.855	134.103	7.775	0.30772	3.10571	3 X
K16T22L	16.2	0.15	K2175	264.414	118.754	297.567	10.386	0.07159	3.13461	9 X
K16T26M	16.8	0.15	K2175	342.305	50.431	301.821	15.754	0.19037	2.96870	4 X
K16T33F	17.0	0.15	K2175	306.643	127.307	260.051	9.784	0.14003	3.09677	5 X
K16T33S	16.8	0.15	K2175	298.042	124.384	286.341	15.816	0.21009	3.10307	4 X
K16T33Y	16.9	0.15	K2175	342.121	62.782	271.484	8.725	0.23046	3.14695	5 X
K16T34Z	17.1	0.15	K2175	333.533	102.831	253.203	8.431	0.12458	3.04374	6 X
K16T35D	17.0	0.15	K2175	17.317	20.814	273.229	4.138	0.10212	3.10628	6 X
K16T35N	16.6	0.15	K2175	312.353	79.916	291.005	8.931	0.10623	3.11780	9 X
K16T40H	16.6	0.15	K2175	47.108	23.981	229.988	4.538	0.14114	3.18494	10 X
K16T41H	16.7	0.15	K2175	338.887	150.859	201.197	10.388	0.19773	3.04532	8 X
K16T58G	15.9	0.15	K2175	332.006	61.720	287.901	9.763	0.11111	3.11864	11 X
K16T66C	16.7	0.15	K2175	356.004	52.098	271.264	11.634	0.08217	3.11109	5 X
K16T66O	17.2	0.15	K2175	304.378	57.364	324.861	12.753	0.24896	3.12475	3 X
K16T71Z	16.8	0.15	K2175	282.027	136.967	273.641	10.952	0.13496	3.16328	6 X
K16T95E	18.9	0.15	K2175	200.179	314.967	161.472	23.236	0.06660	1.93971	6 X
K16TA5T	16.6	0.15	K2175	355.221	43.575	271.128	11.682	0.14844	3.14236	5 X
K16TA7G	16.8	0.15	K2175	342.752	61.897	284.988	13.477	0.22702	3.08001	3 X
K16TB8N	18.0	0.15	K2175	289.275	114.964	276.759	19.370	0.07315	1.89755	6 X
K16TC3Y	16.5	0.15	K2175	311.627	109.319	272.315	12.245	0.13791	3.16864	5 X
K16TC4E	16.9	0.15	K2175	356.319	75.693	246.130	9.691	0.23867	3.10216	5 X
K16TC4F	16.7	0.15	K2175	325.863	77.524	289.038	10.305	0.19931	3.04581	9 X
K16TE6J	16.9	0.15	K2175	344.732	189.647	129.029	16.883	0.08395	3.19047	5 X
K16TG8L	17.3	0.15	K2175	313.820	228.566	164.693	14.417	0.29773	3.17548	4 X
K16TG9C	17.0	0.15	K2175	56.743	104.844	202.676	11.199	0.01114	3.04552	6 V
K16TG9D	16.9	0.15	K2175	233.854	335.005	150.371	28.200	0.09582	3.14736	4 V
K16U04Y	17.8	0.15	K2175	284.343	259.754	127.670	24.705	0.09654	1.90755	8 X
K16U08E	16.5	0.15	K2175	1.410	25.260	285.399	9.266	0.07329	3.14274	6 X
K16U11K	16.8	0.15	K2175	311.931	148.483	226.065	7.906	0.16719	3.14068	5 X
K16U17Y	16.2	0.15	K2175	316.020	222.393	151.525	28.224	0.21929	3.15430	7 X
K16U32H	16.7	0.15	K2175	343.380	34.997	298.705	16.957	0.22313	3.11163	4 X
K16U48M	17.2	0.15	K2175	337.864	128.120	225.807	8.837	0.10839	3.13738	6 X
K16U55E	15.8	0.15	K2175	305.647	159.929	251.761	12.161	0.27330	3.06799	7 X
K16UD9Y	16.7	0.15	K2175	4.297	148.750	160.864	18.063	0.22416	3.17175	8 X
K16UE4V	16.6	0.15	K2175	287.836	210.667	192.909	11.793	0.08619	3.09068	10 X
K16UP2X	17.0	0.15	K2175	1.488	52.628	261.590	9.290	0.10639	3.15425	4 X
K16V28E	18.7	0.15	K2175	280.022	96.352	249.773	19.514	0.06440	2.02051	4 X
K16V49O	19.0	0.15	K2175	145.000	289.009	123.722	5.294	0.17418	2.30931	4 V
K16W24J	17.9	0.15	K2175	349.969	51.349	231.637	20.204	0.07463	1.98027	6 X
K16W24Y	17.4	0.15	K2175	332.817	51.545	309.926	16.798	0.33817	3.08086	5 X
K16X34D	19.0	0.15	K2175	127.827	156.188	286.498	7.520	0.13157	2.22731	4 V
K17A00H	19.0	0.15	K2175	322.998	200.366	153.156	23.976	0.06923	1.94153	5 X
K17A47G	17.4	0.15	K2175	313.798	158.967	42.562	13.648	0.12075	2.58673	6 V
K17B05W	13.9	0.15	K2175	305.865	195.454	124.178	32.450	0.08870	5.23187	10 X
K17BI9T	18.5	0.15	K2175	69.195	301.464	168.119	3.087	0.05042	2.45294	6 V
K17BI9U	17.6	0.15	K2175	291.577	101.090	137.093	7.700	0.15137	2.53438	5 V
K17BI9V	19.1	0.15	K2175	132.009	299.734	122.726	1.939	0.17007	2.35334	4 V
K17BI9W	17.5	0.15	K2175	126.462	113.115	230.121	5.361	0.03804	2.78581	4 V
K17BI9X	17.7	0.15	K2175	122.534	106.381	244.262	10.545	0.07723	2.75915	4 V
K17BI9Y	16.9	0.15	K2175	163.098	11.931	254.452	9.035	0.12487	3.19128	4 V
K17BI9Z	16.8	0.15	K2175	175.187	174.174	87.969	12.026	0.09539	3.14094	5 V
K17BJ0A	19.0	0.15	K2175	146.403	338.500	96.386	9.142	0.16398	2.27180	3 V
K17C38G	18.6	0.15	K2175	74.724	17.597	199.031	5.745	0.14574	2.26617	5 X
K17C45N	17.1	0.15	K2175	267.683	190.765	65.127	14.862	0.21077	2.63480	5 V
K17C45O	17.1	0.15	K2175	175.864	148.628	129.708	10.332	0.13407	3.00551	4 V
K17D38T	14.5	0.15	K2175	240.959	271.097	104.473	11.633	0.11002	5.19673	4 X
K17D38W	18.8	0.15	K2175	12.621	126.489	105.442	7.376	0.09739	2.29142	4 X
K17D76U	17.6	0.15	K2175	56.431	292.194	294.624	4.069	0.13851	2.28941	10 X
K17D88C	18.3	0.15	K2175	46.963	165.195	72.506	6.569	0.16303	2.24463	8 X
K17DA1U	18.6	0.15	K2175	25.287	32.648	233.858	7.718	0.16224	2.23652	6 X
K17DB2W	18.7	0.15	K2175	51.494	345.907	249.753	3.074	0.19340	2.22106	6 X
K17DE2K	17.0	0.15	K2175	231.786	84.362	117.872	10.090	0.05656	3.17098	4 V
K17DE2L	16.8	0.15	K2175	107.635	286.247	87.374	12.186	0.11157	2.92071	4 V
K17F05O	18.5	0.15	K2175	23.316	24.824	194.344	3.567	0.18337	2.38666	8 X
K17F22L	18.7	0.15	K2175	24.719	89.179	173.702	4.468	0.17493	2.26460	5 X
K17F34Y	18.2	0.15	K2175	20.714	23.917	255.208	7.969	0.18205	2.20323	6 X

K17F61D	18.3	0.15	K2175	13.888	0.684	224.860	10.587	0.19637	2.43701	3	X
K17F62D	18.2	0.15	K2175	18.958	109.129	126.705	7.429	0.03735	2.33870	8	X
K17F94P	17.2	0.15	K2175	65.095	289.386	292.586	5.706	0.11454	2.25227	12	X
K17FF5L	18.1	0.15	K2175	241.143	174.155	256.454	7.585	0.01724	2.21961	6	X
K17FI0H	18.4	0.15	K2175	53.276	357.274	244.758	7.768	0.17502	2.28947	4	X
K17FJ7S	17.3	0.15	K2175	198.482	334.424	331.047	6.460	0.19106	3.10471	3	V
K17FJ7T	17.6	0.15	K2175	254.124	136.514	125.034	5.492	0.01640	2.77397	7	V
K17FJ7U	17.8	0.15	K2175	322.067	260.268	318.393	3.636	0.04135	2.68269	8	V
K17FJ7V	17.1	0.15	K2175	126.586	113.820	245.607	10.528	0.12432	2.91541	5	V
K17FJ7W	17.0	0.15	K2175	235.897	252.838	349.508	8.653	0.05252	3.14620	5	V
K17FJ7X	16.7	0.15	K2175	198.979	48.156	217.096	19.505	0.08283	3.13226	4	V
K17G07F	17.4	0.15	K2175	45.227	295.223	291.066	22.059	0.24381	2.31707	6	X
K17G14S	18.0	0.15	K2175	334.245	59.398	230.692	9.764	0.15190	2.45635	4	X
K17G24T	16.6	0.15	K2175	215.944	162.673	135.398	13.479	0.14281	3.09782	6	V
K17H04D	19.7	0.15	K2175	348.925	137.564	149.561	1.382	0.42572	2.45729	2	X
K17H14F	18.0	0.15	K2175	54.323	4.892	238.043	3.884	0.14351	2.29040	12	X
K17H20Y	18.7	0.15	K2175	47.135	74.606	174.293	5.024	0.13066	2.30699	4	X
K17H35K	18.0	0.15	K2175	37.343	137.186	113.444	5.707	0.18761	2.35299	7	X
K17H36C	18.4	0.15	K2175	359.428	142.662	153.682	5.202	0.23057	2.37538	5	X
K17H40G	18.3	0.15	K2175	36.718	93.781	153.070	1.304	0.15644	2.37245	12	X
K17H64C	17.0	0.15	K2175	24.690	69.192	146.106	18.713	0.19469	2.56410	6	X
K17H83N	18.8	0.15	K2175	352.852	101.539	218.789	5.851	0.22911	2.32241	3	X
K17H84E	17.0	0.15	K2175	200.319	289.608	18.262	8.890	0.15392	3.17861	3	V
K17J00Y	18.4	0.15	K2175	73.852	336.284	232.718	4.175	0.21123	2.32678	5	X
K17J07F	17.4	0.15	K2175	82.963	276.024	239.414	16.029	0.12126	2.54101	5	X
K17K39S	18.1	0.15	K2175	45.600	11.270	246.457	6.386	0.07364	2.32142	7	X
K17K43Z	16.4	0.15	K2175	266.929	150.529	92.102	22.194	0.11023	3.18391	2	V
K17M09L	17.8	0.15	K2175	351.723	130.483	194.815	10.040	0.22592	2.48108	5	X
K17M19V	17.8	0.15	K2175	3.193	131.759	108.237	32.720	0.24119	2.58529	4	X
K17N20D	17.9	0.15	K2175	350.099	176.802	138.679	6.956	0.19401	2.56695	3	X
K17N20E	18.7	0.15	K2175	5.776	173.903	114.361	6.210	0.20597	2.57168	2	X
K17O05R	18.0	0.15	K2175	26.916	123.809	143.866	9.397	0.13741	2.57695	6	X
K17O13A	17.0	0.15	K2175	189.289	248.009	127.687	10.193	0.17125	3.20215	2	V
K17O29J	18.0	0.15	K2175	323.908	67.647	291.096	15.576	0.18934	2.56171	3	X
K17O33D	18.1	0.15	K2175	49.792	312.700	276.041	8.580	0.27196	2.57597	5	X
K17O34C	17.1	0.15	K2175	231.906	178.617	280.273	6.843	0.16815	2.57574	7	X
K17O36A	17.7	0.15	K2175	294.650	192.855	210.298	7.092	0.16517	2.54131	10	X
K17O41X	18.2	0.15	K2175	8.061	132.596	163.403	13.179	0.19792	2.56094	5	X
K17O46F	17.9	0.15	K2175	308.155	156.021	169.892	21.805	0.22084	2.79559	3	X
K17O48K	17.2	0.15	K2175	48.273	294.716	294.462	7.515	0.19388	2.69666	6	X
K17O58G	17.0	0.15	K2175	336.292	179.061	155.713	15.629	0.15733	2.59701	10	X
K17O64O	16.9	0.15	K2175	3.990	256.336	353.717	16.422	0.33011	2.73002	6	X
K17O79E	18.4	0.15	K2175	344.285	184.434	151.648	14.054	0.30125	2.61147	4	X
K17O80E	18.4	0.15	K2175	323.568	64.175	298.430	14.094	0.15625	2.54715	5	X
K17O85S	18.0	0.15	K2175	316.195	102.646	262.759	7.146	0.16459	2.55781	5	X
K17OB3L	17.4	0.15	K2175	293.307	213.010	116.553	12.294	0.08320	2.77302	3	X
K17OB4K	17.6	0.15	K2175	355.381	177.900	126.515	15.419	0.25875	2.60918	6	X
K17OC0Z	18.3	0.15	K2175	316.837	348.047	2.904	5.017	0.13844	2.69279	4	X
K17OC2H	18.0	0.15	K2175	24.811	305.477	316.597	11.968	0.15366	2.60172	4	X
K17OC2L	16.5	0.15	K2175	25.054	304.790	224.002	8.658	0.03559	3.24174	4	V
K17OC2M	16.8	0.15	K2175	214.836	275.977	102.061	10.378	0.13425	3.06661	6	V
K17OC2N	17.2	0.15	K2175	238.194	286.562	104.139	9.404	0.18828	2.77068	6	V
K17OC2O	18.1	0.15	K2175	279.540	129.419	257.714	3.480	0.12955	2.62809	3	V
K17P02O	18.1	0.15	K2175	325.672	200.309	156.960	15.722	0.14483	2.55522	4	X
K17P02T	18.6	0.15	K2175	314.064	209.924	161.454	9.770	0.17504	2.56894	3	X
K17P09W	17.5	0.15	K2175	326.748	194.430	149.043	4.002	0.14734	2.61500	9	X
K17P28J	19.2	0.15	K2175	335.942	73.924	269.932	2.472	0.27297	2.52219	3	X
K17P33V	17.8	0.15	K2175	123.072	269.375	285.354	5.629	0.09021	2.44126	10	X
K17P46K	17.4	0.15	K2175	6.227	61.119	241.710	12.640	0.10268	2.56831	3	X
K17P49E	18.0	0.15	K2175	0.299	350.716	310.711	6.671	0.25842	2.72408	4	X
K17P53T	17.3	0.15	K2175	335.541	208.082	131.714	14.958	0.28135	2.63366	6	X
K17P54L	18.1	0.15	K2175	333.413	58.990	302.911	7.369	0.21676	2.62976	5	X
K17P61B	17.9	0.15	K2175	350.927	25.158	286.917	3.769	0.13486	2.60287	8	X
K17P63V	17.4	0.15	K2175	15.019	21.532	276.506	11.980	0.15575	2.61559	8	X
K17P64M	18.3	0.15	K2175	301.120	326.284	99.012	2.275	0.17043	2.38386	4	V
K17Q16M	16.8	0.15	K2175	321.089	234.951	162.202	28.947	0.41256	2.58231	8	X
K17Q26A	17.1	0.15	K2175	212.079	160.043	228.147	9.831	0.05013	2.95813	6	V
K17Q31A	17.4	0.15	K2175	325.733	55.709	301.620	12.579	0.22177	2.55761	7	X
K17Q36R	17.9	0.15	K2175	335.236	36.462	300.861	14.506	0.29563	2.55079	8	X
K17Q36W	17.0	0.15	K2175	227.102	211.508	157.873	10.039	0.11529	2.94622	8	V
K17Q52B	17.4	0.15	K2175	357.123	321.179	337.374	13.486	0.26101	2.57940	8	X
K17Q71T	17.0	0.15	K2175	323.844	189.635	98.510	6.331	0.08973	3.08791	4	X
K17Q84O	18.1	0.15	K2175	337.541	38.888	304.271	15.053	0.26951	2.58402	2	X
K17Q85T	18.5	0.15	K2175	355.994	38.404	271.129	11.916	0.26769	2.57596	3	X
K17Q92K	17.5	0.15	K2175	317.308	84.938	282.237	10.200	0.13907	2.60705	7	X
K17Q92M	17.5	0.15	K2175	335.590	197.522	154.993	6.021	0.34019	2.59563	6	X
K17Q93R	17.8	0.15	K2175	53.699	25.051	238.470	10.956	0.03353	2.62091	6	X
K17Q95O	17.8	0.15	K2175	271.244	224.575	188.304	9.180	0.10771	2.66786	7	X
K17QA7K	18.7	0.15	K2175	344.713	208.033	111.559	3.637	0.20981	2.61611	5	X
K17QC4W	17.4	0.15	K2175	28.449	343.033	286.961	3.660	0.11860	2.63783	9	X
K17QC5M	18.9	0.15	K2175	347.133	220.295	97.799	6.677	0.27235	2.61607	3	X
K17QC5P	18.2	0.15	K2175	286.490	237.154	198.922	6.537	0.09834	2.45287	4	V
K17R02F	18.0	0.15	K2175	320.698	89.991	292.570	10.826	0.33179	2.62896	4	X
K17R02H	17.7	0.15	K2175	342.793	65.955	266.760	27.068	0.45753	2.60661	3	X
K17R05E	17.9	0.15	K2175	313.702	41.447	321.968	12.642	0.14592	2.62302	5	X
K17R12V	18.2	0.15	K2175	320.719	168.989	188.032	1.889	0.22440	2.64032	4	X
K17R20E	17.3	0.15	K2175	282.801	183.792	220.836	8.170	0.12003	2.62166	8	X
K17R20J	16.9	0.15	K2175	206.659	275.095	208.201	12.113	0.21810	2.67911	11	X
K17R21Z	17.5	0.15	K2175	334.519	12.180	324.886	6.044	0.18147	2.57558	11	X
K17R24K	16.7	0.15	K2175	19.658	26.830	264.474	8.568	0.03711	2.57781	10	X
K17R31L	18.3	0.15	K2175	327.329	196.318	152.573	17.335	0.18411	2.56347	4	X
K17R40Y	17.5	0.15	K2175	16.200	298.657	343.063	3.980	0.09108	2.66049	8	X
K17R43M	18.5	0.15	K2175	340.216	141.313	196.699	4.399	0.22971	2.57426	4	X

K17R44W	17.9	0.15	K2175	333.325	33.621	303.635	2.158	0.16123	2.62456	8 X
K17R58T	17.2	0.15	K2175	281.265	177.136	164.658	3.016	0.12892	2.94582	6 X
K17R68B	17.5	0.15	K2175	320.370	22.672	331.554	7.167	0.15473	2.61230	7 X
K17R74C	18.3	0.15	K2175	325.821	214.767	144.322	2.806	0.30364	2.59544	3 X
K17R77N	17.6	0.15	K2175	35.168	115.572	132.904	8.237	0.17677	2.66714	7 X
K17R84L	18.1	0.15	K2175	305.485	15.214	344.863	8.911	0.11603	2.71225	3 X
K17R92K	17.8	0.15	K2175	10.789	139.643	160.771	6.560	0.08730	2.66603	8 X
K17RA2P	18.3	0.15	K2175	339.105	163.415	175.243	4.281	0.12924	2.61589	4 X
K17RA3C	17.3	0.15	K2175	327.840	39.509	315.168	12.385	0.27622	2.60970	5 X
K17RA4U	17.7	0.15	K2175	54.279	303.601	311.300	12.343	0.14478	2.56021	5 X
K17RA8G	17.9	0.15	K2175	300.081	138.383	239.403	8.989	0.09657	2.66287	7 X
K17RA8M	17.4	0.15	K2175	36.584	311.190	296.818	12.106	0.22709	2.68951	7 X
K17RB0V	18.0	0.15	K2175	320.925	186.205	181.132	16.022	0.16082	2.62075	3 X
K17RB2A	18.3	0.15	K2175	324.559	96.535	270.807	11.262	0.28757	2.65875	4 X
K17RB6O	17.7	0.15	K2175	343.449	1.952	320.860	16.814	0.26671	2.68188	5 X
K17RB7Z	18.7	0.15	K2175	334.664	186.857	163.364	14.627	0.26330	2.63461	3 X
K17RC0W	17.4	0.15	K2175	326.306	223.636	126.394	10.166	0.20602	2.71599	6 X
K17RC1L	17.7	0.15	K2175	5.160	4.028	312.300	15.336	0.16085	2.64967	6 X
K17RD2K	18.9	0.15	K2175	332.653	68.250	285.110	11.715	0.29480	2.58641	2 X
K17RD4E	18.4	0.15	K2175	246.644	338.052	96.118	5.947	0.06256	2.63273	3 V
K17S09U	17.2	0.15	K2175	301.125	181.588	158.086	2.547	0.28056	2.77980	5 X
K17S13Y	17.6	0.15	K2175	307.247	259.377	150.664	28.360	0.39338	2.60241	3 X
K17S19R	19.3	0.15	K2175	4.952	106.420	158.053	14.442	0.55989	2.60246	2 X
K17S26C	17.8	0.15	K2175	241.520	52.090	8.171	4.161	0.05024	2.76057	5 X
K17S29E	17.9	0.15	K2175	336.374	246.701	103.968	8.004	0.41712	2.62757	3 X
K17S37J	16.8	0.15	K2175	256.151	167.134	260.133	10.388	0.14700	2.74728	10 X
K17S39N	17.0	0.15	K2175	2.693	35.701	270.168	11.107	0.30021	2.61583	8 X
K17S39O	16.5	0.15	K2175	28.962	343.104	288.072	13.678	0.24849	2.67271	9 X
K17S46F	17.8	0.15	K2175	18.812	1.129	276.217	4.007	0.21060	2.60305	7 X
K17S46Q	18.3	0.15	K2175	8.847	91.466	207.981	8.011	0.16517	2.58203	5 X
K17S46R	17.0	0.15	K2175	328.286	84.817	255.194	4.793	0.16725	2.63908	10 X
K17S47R	17.6	0.15	K2175	351.085	113.819	209.117	8.145	0.23184	2.57031	8 X
K17S47V	17.8	0.15	K2175	268.224	184.843	231.473	5.233	0.12944	2.64922	6 X
K17S57R	17.3	0.15	K2175	300.032	220.752	168.930	13.335	0.18398	2.66220	7 X
K17S60E	17.4	0.15	K2175	272.928	255.442	162.675	12.848	0.17216	2.72652	5 X
K17S80S	17.5	0.15	K2175	304.018	214.393	179.540	5.974	0.23879	2.63564	8 X
K17S87L	17.6	0.15	K2175	355.328	142.064	174.985	8.467	0.20982	2.63002	8 X
K17S88Z	18.0	0.15	K2175	355.344	126.829	175.070	3.195	0.16382	2.63594	6 X
K17S91R	17.4	0.15	K2175	356.645	145.986	168.477	13.861	0.09338	2.63751	8 X
K17S92B	17.8	0.15	K2175	5.207	124.103	168.327	12.853	0.25263	2.61754	6 X
K17S92X	18.0	0.15	K2175	335.133	178.810	169.326	11.537	0.23339	2.58426	3 X
K17SA1N	18.1	0.15	K2175	340.631	185.347	151.739	5.895	0.28758	2.62975	4 X
K17SA2P	17.2	0.15	K2175	328.887	45.062	296.715	6.358	0.17108	2.68619	11 X
K17SA5A	18.0	0.15	K2175	331.366	132.842	219.812	4.150	0.19226	2.63969	5 X
K17SA7M	16.7	0.15	K2175	98.839	288.075	278.822	10.801	0.13279	2.62036	8 X
K17SA7V	17.3	0.15	K2175	350.442	79.453	241.466	11.972	0.17092	2.60005	8 X
K17SA8G	17.6	0.15	K2175	2.413	21.212	297.429	12.204	0.16517	2.59483	7 X
K17SB3B	18.2	0.15	K2175	350.374	302.370	6.402	5.008	0.16830	2.67265	4 X
K17SB5U	18.2	0.15	K2175	346.517	44.790	294.897	8.722	0.20423	2.51716	6 X
K17SD6D	17.8	0.15	K2175	342.649	171.800	167.762	8.221	0.27955	2.65435	5 X
K17SE3L	18.3	0.15	K2175	321.621	220.314	142.969	10.172	0.24211	2.73095	2 X
K17SE3Q	17.2	0.15	K2175	327.499	98.593	255.123	8.841	0.12717	2.72877	4 X
K17SK0A	17.8	0.15	K2175	330.789	178.383	176.876	10.423	0.27950	2.73193	6 X
K17SK3G	17.2	0.15	K2175	313.485	241.405	122.380	16.116	0.16208	2.87058	6 X
K17SK3S	17.8	0.15	K2175	319.469	172.410	209.589	4.856	0.21313	2.61541	5 X
K17SM6E	16.8	0.15	K2175	317.144	83.988	215.020	10.797	0.05738	3.11859	5 X
K17SM7E	16.9	0.15	K2175	44.976	343.710	274.604	8.028	0.07144	2.72701	8 X
K17SM8U	17.7	0.15	K2175	292.795	73.187	311.872	4.421	0.10153	2.65999	6 X
K17SN0E	18.8	0.15	K2175	340.515	209.178	131.817	9.242	0.35476	2.66268	2 X
K17SP4C	18.3	0.15	K2175	18.746	91.415	190.955	11.488	0.24662	2.64550	3 X
K17SP4J	16.6	0.15	K2175	207.126	111.078	293.429	16.366	0.14548	3.10437	5 V
K17SP7L	18.1	0.15	K2175	332.443	68.446	277.371	13.461	0.20034	2.63824	3 X
K17SQ1P	17.8	0.15	K2175	332.166	97.827	261.422	4.052	0.13524	2.61569	6 X
K17SQ2B	18.2	0.15	K2175	323.330	252.045	110.223	13.280	0.29345	2.59097	2 V
K17SQ2C	18.4	0.15	K2175	244.395	332.867	143.644	7.775	0.27695	2.58587	4 V
K17SQ2D	17.7	0.15	K2175	291.760	292.457	75.950	3.171	0.07232	2.83491	5 V
K17SQ2E	17.4	0.15	K2175	233.452	337.578	111.789	11.109	0.11347	2.83603	4 V
K17SQ2F	18.0	0.15	K2175	278.477	324.383	114.499	6.763	0.06112	2.55441	4 V
K17SQ2G	17.8	0.15	K2175	203.248	229.723	238.730	1.044	0.03281	2.85652	6 V
K17SQ2H	17.6	0.15	K2175	274.759	286.383	108.390	9.866	0.06353	2.76996	3 V
K17SQ2J	16.3	0.15	K2175	186.719	146.713	268.460	17.223	0.08705	3.09625	8 V
K17SQ2K	17.1	0.15	K2175	177.452	120.001	339.464	8.714	0.07176	3.05895	3 V
K17SQ2L	17.8	0.15	K2175	196.858	227.638	218.814	2.315	0.11135	2.91666	2 V
K17SQ2M	17.5	0.15	K2175	235.889	18.799	22.242	7.380	0.06068	2.99904	3 V
K17T09X	17.6	0.15	K2175	340.178	97.827	244.635	4.418	0.23675	2.47565	9 X
K17T11O	17.6	0.15	K2175	301.284	174.958	233.344	3.062	0.23170	2.62725	6 X
K17T12C	17.9	0.15	K2175	335.740	118.502	236.172	2.779	0.28759	2.60052	6 X
K17T14K	17.0	0.15	K2175	338.089	22.240	309.171	16.847	0.20132	2.69009	5 X
K17T19K	17.4	0.15	K2175	320.771	106.117	283.826	25.173	0.31610	2.76128	5 X
K17T27E	17.8	0.15	K2175	305.309	162.522	219.838	9.041	0.12206	2.63506	6 X
K17T35U	16.7	0.15	K2175	301.234	177.040	144.978	18.950	0.14402	3.08338	4 X
K17T36S	18.5	0.15	K2175	358.077	143.708	174.799	5.088	0.28518	2.59840	2 X
K17T37H	18.3	0.15	K2175	330.316	55.968	298.597	11.098	0.21214	2.66118	3 X
K17T37T	17.9	0.15	K2175	318.605	97.697	274.292	10.229	0.19542	2.67773	2 X
K17T37W	17.2	0.15	K2175	165.608	79.177	34.029	6.045	0.16825	3.19992	4 V
K17U10C	17.5	0.15	K2175	310.440	78.863	300.003	6.118	0.26257	2.67073	8 X
K17U10O	17.7	0.15	K2175	339.220	137.179	203.202	12.436	0.26561	2.63232	6 X
K17U31U	17.6	0.15	K2175	59.005	67.178	193.364	10.599	0.00417	2.64777	6 X
K17U35Y	17.5	0.15	K2175	311.413	80.522	292.406	7.472	0.19982	2.66964	6 X
K17U36N	17.2	0.15	K2175	246.749	237.821	197.175	4.721	0.06145	2.77063	9 X
K17U61C	17.1	0.15	K2175	286.901	125.756	227.370	12.648	0.22819	3.03520	3 X
K17U75A	17.7	0.15	K2175	321.579	114.995	261.388	6.203	0.16021	2.66504	4 X
K17U77F	18.2	0.15	K2175	339.717	112.011	226.733	4.175	0.29472	2.67418	3 X
K17U84W	17.1	0.15	K2175	279.289	286.389	108.066	17.709	0.07146	2.92984	4 X

K17U99A	18.4	0.15	K2175	342.356	95.378	239.458	11.132	0.30245	2.63996	5 X
K17UA5N	17.0	0.15	K2175	154.170	280.465	237.413	8.545	0.05740	3.07917	7 X
K17UD0W	17.7	0.15	K2175	332.278	312.987	18.850	4.658	0.07292	2.89885	3 X
K17UE3U	16.2	0.15	K2175	109.284	332.434	155.769	9.283	0.22286	3.97847	4 V
K17UE3V	18.8	0.15	K2175	249.355	244.860	294.439	5.613	0.05695	2.27065	4 V
K17UE3W	17.1	0.15	K2175	135.132	79.917	61.056	11.267	0.04381	3.14976	4 V
K17UE3X	17.0	0.15	K2175	333.658	46.051	15.006	13.011	0.17107	2.55929	4 V
K17UE3Y	17.1	0.15	K2175	173.945	337.669	159.651	13.726	0.11951	3.05425	4 V
K17UE3Z	19.2	0.15	K2175	131.202	318.578	71.657	25.617	0.05646	1.96562	3 V
K17V02W	17.0	0.15	K2175	322.048	186.961	185.372	13.999	0.12609	2.66109	8 X
K17V02X	17.6	0.15	K2175	297.407	231.350	160.058	8.277	0.13154	2.72097	6 X
K17V03O	17.1	0.15	K2175	298.353	96.922	290.878	12.136	0.20047	2.76538	7 X
K17V11C	17.6	0.15	K2175	314.393	143.234	237.683	8.078	0.17917	2.70269	5 X
K17V22W	17.3	0.15	K2175	7.268	54.231	245.486	8.781	0.24992	2.71820	8 X
K17V24T	17.2	0.15	K2175	336.186	103.563	249.431	4.410	0.09463	2.73053	9 X
K17V24U	18.3	0.15	K2175	304.944	147.726	241.334	7.540	0.21683	2.71524	4 X
K17V29E	17.5	0.15	K2175	317.518	99.107	265.930	3.690	0.09298	2.77701	9 X
K17V51T	16.6	0.15	K2175	137.188	256.837	249.951	17.467	0.11466	3.22885	4 V
K17V51U	17.5	0.15	K2175	162.958	1.023	136.179	6.882	0.16514	3.17197	5 V
K17V51V	17.2	0.15	K2175	150.130	106.388	37.145	16.926	0.16751	3.22190	3 V
K17W03O	17.6	0.15	K2175	339.368	118.967	231.161	12.044	0.29273	2.67087	5 X
K17W05Q	17.2	0.15	K2175	254.513	252.337	170.104	9.828	0.08951	3.01615	8 X
K17W08D	16.7	0.15	K2175	58.039	69.418	182.828	9.505	0.02043	3.09324	9 X
K17W25Y	17.3	0.15	K2175	318.484	222.966	169.227	13.192	0.30858	2.64268	4 X
K17W61W	18.4	0.15	K2175	331.128	256.927	87.868	8.726	0.24055	2.74799	3 X
K17W63R	16.8	0.15	K2175	105.432	134.872	83.800	17.385	0.11199	3.01666	7 V
K17W63S	16.6	0.15	K2175	287.174	104.577	267.604	16.425	0.07261	3.08503	5 V
K17W63T	17.3	0.15	K2175	133.733	308.467	230.243	9.570	0.03567	3.01697	3 V
K17W63U	17.0	0.15	K2175	160.262	269.933	218.646	9.697	0.09630	3.13607	4 V
K17X37S	16.8	0.15	K2175	162.758	247.813	264.645	8.130	0.04381	3.01393	7 X
K17X38Q	18.0	0.15	K2175	311.228	108.013	270.839	6.365	0.23767	2.76426	4 X
K17X39O	17.5	0.15	K2175	341.628	74.631	272.969	6.329	0.23074	2.72653	5 X
K17X47L	16.9	0.15	K2175	132.053	303.563	225.089	7.088	0.10486	3.22677	7 X
K17X49P	17.1	0.15	K2175	17.907	63.647	227.654	5.732	0.03802	2.99729	8 X
K17X55J	16.2	0.15	K2175	74.696	332.244	261.766	10.222	0.05954	3.06955	10 X
K17X79Z	17.2	0.15	K2175	192.328	338.395	147.439	10.629	0.04898	3.02058	5 V
K17Y26R	14.1	0.15	K2175	315.172	175.501	127.354	31.612	0.06244	5.15049	6 X
K17Y43K	16.9	0.15	K2175	192.169	348.420	174.032	15.342	0.20187	3.18207	4 V
K17Y43L	17.8	0.15	K2175	267.493	62.623	67.816	13.072	0.12509	2.67856	6 V
K17Y43M	17.4	0.15	K2175	144.234	123.958	86.445	23.004	0.14722	3.09864	2 V
K18A11M	18.5	0.15	K2175	124.882	1.072	139.439	22.459	0.03085	1.85474	7 X
K18A13U	15.9	0.15	K2175	238.241	162.459	293.136	16.775	0.10943	3.20279	7 X
K18A18W	15.9	0.15	K2175	353.706	307.869	24.348	27.175	0.23853	2.71866	7 X
K18A46W	17.8	0.15	K2175	305.032	255.356	167.830	2.117	0.04987	2.86394	4 V
K18A46X	17.1	0.15	K2175	308.742	32.037	8.359	10.071	0.02664	3.05178	4 V
K18A46Y	16.7	0.15	K2175	61.433	289.695	350.061	9.483	0.01792	3.12766	4 V
K18B28K	19.4	0.15	K2175	0.193	257.780	337.020	19.093	0.03609	1.91739	5 V
K18B28L	18.3	0.15	K2175	225.801	352.317	238.975	3.748	0.22951	2.58710	6 V
K18B28M	17.9	0.15	K2175	220.263	331.928	190.889	2.893	0.03178	2.76377	4 V
K18C25C	17.0	0.15	K2175	196.565	325.565	213.419	8.612	0.05283	3.07104	6 V
K18D03U	18.3	0.15	K2175	176.391	314.814	130.160	24.188	0.11591	1.88216	4 X
K18F45P	17.7	0.15	K2175	232.577	212.143	6.373	3.918	0.14019	2.76508	8 V
K18F45Q	18.1	0.15	K2175	218.235	185.404	127.895	12.053	0.07103	2.32252	6 V
K18F45R	17.7	0.15	K2175	152.139	174.555	137.779	6.864	0.03079	2.73121	5 V
K18F45S	18.4	0.15	K2175	291.289	102.018	145.242	6.932	0.08529	2.29770	2 V
K18J00U	18.2	0.15	K2175	265.468	255.494	148.356	24.687	0.07481	1.89953	7 X
K18K13M	17.2	0.15	K2175	167.781	67.439	226.889	6.131	0.10134	3.08676	4 V
K18L04K	17.7	0.15	K2175	278.103	268.959	124.104	23.894	0.13667	1.94494	8 X
K18L29E	18.5	0.15	K2175	314.253	213.986	58.705	5.349	0.18039	2.39438	3 V
K18L31A	18.3	0.15	K2175	292.499	190.909	101.375	3.406	0.17851	2.43561	4 V
K18L31B	16.8	0.15	K2175	184.301	236.191	105.766	9.035	0.20956	3.01878	6 V
K18L31C	19.3	0.15	K2175	343.418	204.608	80.929	5.324	0.17869	2.19770	2 V
K18L31D	16.7	0.15	K2175	63.266	171.343	251.313	7.220	0.03167	3.23316	5 V
K18L31E	17.7	0.15	K2175	237.743	13.317	248.550	11.239	0.05787	2.62365	4 V
K18L31F	17.0	0.15	K2175	229.952	188.337	78.722	11.610	0.03486	2.97279	6 V
K18L31G	17.0	0.15	K2175	130.361	224.473	112.974	11.144	0.08498	3.10446	6 V
K18L31H	17.6	0.15	K2175	201.666	197.041	92.529	13.956	0.09156	2.76501	3 V
K18M23N	18.7	0.15	K2175	232.501	294.727	84.678	2.604	0.15429	2.40223	4 V
K18M23O	17.0	0.15	K2175	219.000	142.470	123.593	7.842	0.15833	3.21407	5 V
K18M23P	18.3	0.15	K2175	305.938	163.595	108.426	2.608	0.17048	2.44236	6 V
K18M23Q	19.5	0.15	K2175	330.076	177.675	114.519	6.141	0.14694	2.24688	2 V
K18M23R	17.7	0.15	K2175	167.822	277.350	110.449	7.559	0.05789	2.73742	5 V
K18M23S	18.1	0.15	K2175	252.282	249.151	50.199	5.851	0.04184	2.61831	5 V
K18M23T	14.3	0.15	K2175	286.854	343.729	137.967	29.557	0.07691	5.26373	5 V
K18M23U	16.9	0.15	K2175	52.036	147.920	299.504	7.287	0.03694	3.24865	4 V
K18M23V	17.0	0.15	K2175	199.401	352.805	313.986	8.835	0.04868	3.12571	5 V
K18M23W	18.4	0.15	K2175	306.032	9.768	294.539	5.991	0.11361	2.32636	5 V
K18M23X	18.7	0.15	K2175	271.915	147.161	192.791	4.648	0.24641	2.37232	4 V
K18M23Y	19.2	0.15	K2175	278.680	111.330	248.920	3.159	0.19574	2.25247	4 V
K18M23Z	20.0	0.15	K2175	285.494	278.130	86.395	0.266	0.25252	2.24017	4 V
K18N37G	18.9	0.15	K2175	22.132	120.618	252.615	19.301	0.14469	1.85446	5 V
K18N37H	17.7	0.15	K2175	160.974	270.450	102.848	3.367	0.07821	2.90502	7 V
K18N37J	18.0	0.15	K2175	281.665	161.957	93.407	5.685	0.13436	2.64759	4 V
K18N37K	18.8	0.15	K2175	260.389	225.414	128.314	6.367	0.13835	2.35578	4 V
K18N37L	17.8	0.15	K2175	198.951	251.286	113.721	7.875	0.13179	2.71927	4 V
K18N37M	17.7	0.15	K2175	199.241	220.803	126.557	5.213	0.08367	2.78812	4 V
K18N37N	17.3	0.15	K2175	144.249	255.169	131.114	14.560	0.23472	3.12540	4 V
K18N37O	17.3	0.15	K2175	214.092	254.528	46.194	10.548	0.10623	3.01011	6 V
K18N37P	16.9	0.15	K2175	127.398	300.348	85.247	15.909	0.06699	3.17323	3 V
K18N37Q	16.8	0.15	K2175	166.856	240.140	121.704	14.953	0.29032	3.17759	4 V
K18N37R	17.2	0.15	K2175	177.889	183.542	153.436	13.984	0.11173	3.08110	4 V
K18N37S	18.4	0.15	K2175	276.277	231.624	124.662	13.094	0.22047	2.32030	2 V
K18N37T	16.9	0.15	K2175	151.809	57.644	334.126	25.328	0.33517	3.11567	4 V
K18P65N	16.6	0.15	K2175	169.334	345.405	17.142	13.954	0.17910	3.13529	4 V

K18P65O	17.6	0.15	K2175	216.870	289.803	32.179	2.310	0.05899	2.86351	6	V
K18P65P	17.0	0.15	K2175	136.160	250.754	129.172	17.018	0.23592	3.13428	3	V
K18P65Q	16.9	0.15	K2175	272.665	204.604	59.641	2.559	0.12116	2.98241	9	V
K18P65R	16.9	0.15	K2175	158.808	266.478	133.306	10.935	0.15145	3.17740	3	V
K18P65S	19.3	0.15	K2175	318.797	257.820	51.288	3.086	0.18766	2.33115	2	V
K18P65T	18.0	0.15	K2175	196.264	88.949	298.857	3.761	0.12555	2.70660	4	V
K18P65U	16.7	0.15	K2175	175.697	244.466	126.085	10.779	0.16613	3.22027	4	V
K18Q15V	19.0	0.15	K2175	330.717	143.073	155.347	5.155	0.17359	2.26079	4	X
K18Q17Q	17.8	0.15	K2175	274.185	232.394	96.088	6.965	0.15050	2.65778	2	V
K18Q17R	17.8	0.15	K2175	276.739	294.363	9.408	12.730	0.18169	2.65037	4	V
K18Q17S	17.5	0.15	K2175	242.297	185.259	165.438	14.954	0.16043	2.70618	4	V
K18Q17T	18.5	0.15	K2175	308.907	313.720	349.940	11.348	0.13338	2.41710	4	V
K18Q17U	17.6	0.15	K2175	195.599	178.349	163.434	0.169	0.17304	3.09460	4	V
K18R03P	18.8	0.15	K2175	4.454	347.425	295.664	6.655	0.31806	2.14057	2	X
K18R08V	18.7	0.15	K2175	318.457	65.381	285.863	2.674	0.18200	2.14711	5	X
K18R11J	16.9	0.15	K2175	192.566	100.817	230.256	14.639	0.23697	3.13913	5	V
K18R25M	18.5	0.15	K2175	26.004	134.145	133.072	3.821	0.11950	2.19326	11	X
K18R56V	17.6	0.15	K2175	280.691	193.316	167.804	17.984	0.24207	2.53527	5	X
K18R56W	19.0	0.15	K2175	315.332	220.231	107.280	12.174	0.26696	2.29297	4	X
K18R61B	18.9	0.15	K2175	327.661	236.444	112.885	8.413	0.20724	2.20803	3	X
K18R61C	17.9	0.15	K2175	204.706	285.938	103.638	6.039	0.12511	2.71748	5	V
K18R61D	17.6	0.15	K2175	253.293	256.422	74.160	4.313	0.09204	2.75370	8	V
K18R61E	19.8	0.15	K2175	338.840	143.578	162.773	9.306	0.32755	2.20166	2	V
K18R61F	16.7	0.15	K2175	207.812	178.108	146.152	10.730	0.14695	3.21909	5	V
K18R61G	18.9	0.15	K2175	319.182	209.448	98.322	2.474	0.19701	2.34301	3	V
K18R61H	18.8	0.15	K2175	358.312	228.137	62.237	9.654	0.20709	2.21871	4	V
K18R61J	17.6	0.15	K2175	162.095	330.223	97.124	9.840	0.20414	2.94084	5	V
K18R61K	17.8	0.15	K2175	246.723	160.073	185.576	9.723	0.19387	2.63287	5	V
K18R61L	18.0	0.15	K2175	280.524	122.178	174.721	3.702	0.18781	2.67594	5	V
K18R61M	16.2	0.15	K2175	192.489	226.584	152.061	28.000	0.22248	3.18305	5	V
K18S12G	18.2	0.15	K2175	301.534	229.222	151.723	6.072	0.18590	2.20103	8	X
K18S20M	16.7	0.15	K2175	200.092	296.530	83.988	16.830	0.23446	3.15776	4	V
K18T14K	19.0	0.15	K2175	323.184	264.224	88.769	3.089	0.20009	2.16655	4	X
K18T16G	18.6	0.15	K2175	268.685	180.627	238.728	6.197	0.17341	2.22316	3	X
K18T18Z	18.8	0.15	K2175	336.447	33.719	298.083	7.819	0.20359	2.18982	4	X
K18T38F	18.6	0.15	K2175	341.753	166.737	105.744	2.605	0.17277	2.34826	7	X
K18T41T	17.4	0.15	K2175	187.328	115.240	260.505	1.339	0.11358	3.11421	4	V
K18T42E	17.6	0.15	K2175	222.363	91.307	281.887	13.012	0.19416	2.70536	4	V
K18T42F	17.9	0.15	K2175	278.204	74.170	252.384	10.489	0.20124	2.54229	3	V
K18T42G	19.1	0.15	K2175	345.200	302.100	18.861	5.628	0.18650	2.20419	2	V
K18T42H	17.2	0.15	K2175	221.848	232.082	163.776	14.372	0.10603	2.77070	3	V
K18T42J	17.0	0.15	K2175	160.041	193.091	215.373	10.514	0.04841	3.06800	5	V
K18T42K	16.9	0.15	K2175	172.683	353.269	34.246	9.970	0.09313	3.17102	3	V
K18T42L	17.6	0.15	K2175	164.244	178.894	227.316	2.734	0.17142	3.09707	4	V
K18T42M	17.8	0.15	K2175	174.622	57.481	45.329	16.435	0.06487	2.47730	4	V
K18U00S	18.7	0.15	K2175	346.331	76.035	246.133	5.842	0.29040	2.18527	5	X
K18U03N	17.7	0.15	K2175	349.611	354.827	318.737	6.460	0.20391	2.18998	11	X
K18U04E	17.9	0.15	K2175	270.550	117.272	283.896	5.995	0.08521	2.22268	10	X
K18U05A	18.1	0.15	K2175	8.003	25.348	270.148	7.225	0.21711	2.17215	7	X
K18U36M	17.9	0.15	K2175	280.306	237.202	102.960	14.137	0.19821	2.55765	5	V
K18U36N	17.8	0.15	K2175	239.128	49.157	295.096	4.465	0.05837	2.92334	5	V
K18U36O	17.7	0.15	K2175	153.743	261.995	195.147	15.348	0.20246	3.03214	2	V
K18U36P	17.2	0.15	K2175	246.217	248.933	105.159	10.924	0.14010	2.80725	5	V
K18U36Q	18.1	0.15	K2175	203.797	268.099	172.242	12.422	0.15183	2.63337	4	V
K18U36R	17.3	0.15	K2175	193.560	265.916	115.429	10.582	0.12659	3.06258	4	V
K18U36S	18.6	0.15	K2175	328.588	50.281	339.236	4.919	0.14978	2.13014	6	V
K18U36T	18.5	0.15	K2175	312.589	81.969	251.533	7.554	0.25012	2.31239	3	V
K18V14R	17.8	0.15	K2175	255.241	237.199	183.088	6.703	0.08012	2.22134	10	X
K18V26A	17.9	0.15	K2175	282.793	188.060	216.360	5.744	0.04891	2.24550	9	X
K18V29G	17.4	0.15	K2175	4.654	13.199	290.514	6.120	0.12243	2.18042	10	X
K18V50U	18.1	0.15	K2175	242.853	191.113	244.749	8.758	0.10841	2.34190	8	X
K18V56H	19.0	0.15	K2175	313.983	94.024	276.236	4.630	0.19394	2.21635	4	X
K18V56K	18.5	0.15	K2175	346.871	75.466	254.576	6.013	0.19069	2.20654	6	X
K18V72L	16.7	0.15	K2175	152.042	216.201	235.245	20.629	0.12434	3.05107	4	X
K18V73M	18.4	0.15	K2175	304.266	129.321	253.289	6.991	0.12018	2.27526	7	X
K18V79V	18.7	0.15	K2175	309.013	236.115	136.052	2.537	0.17365	2.25616	9	X
K18V84M	17.4	0.15	K2175	218.294	215.139	241.609	5.542	0.13802	2.36489	9	X
K18VA8U	16.7	0.15	K2175	81.780	292.678	227.562	9.419	0.07486	3.01238	7	X
K18VE4S	18.2	0.15	K2175	213.673	233.113	184.470	6.183	0.18449	2.69390	4	V
K18VE4T	16.6	0.15	K2175	138.492	232.308	234.412	25.284	0.18832	3.19994	4	V
K18VE4U	17.2	0.15	K2175	224.666	100.559	263.072	8.670	0.12797	3.01090	6	V
K18VE4V	17.4	0.15	K2175	261.933	270.322	84.845	4.467	0.10649	2.74637	6	V
K18VE4W	18.2	0.15	K2175	264.697	99.248	273.602	10.251	0.05281	2.51353	4	V
K18VE4X	18.1	0.15	K2175	183.302	248.696	157.033	1.763	0.20869	3.10892	4	V
K18VE4Y	17.0	0.15	K2175	142.518	340.957	100.522	21.280	0.16130	3.11565	2	V
K18VE4Z	17.6	0.15	K2175	180.375	227.239	172.874	8.887	0.28460	3.12694	4	V
K18VE5A	16.9	0.15	K2175	219.223	172.767	186.174	13.724	0.17462	3.03239	6	V
K18VE5B	17.5	0.15	K2175	226.940	311.099	67.901	9.873	0.14826	2.77996	4	V
K18VE5C	17.2	0.15	K2175	232.627	222.269	127.748	5.554	0.13886	3.07648	6	V
K18VE5D	17.5	0.15	K2175	126.358	142.173	347.838	6.446	0.17751	3.00573	2	V
K18VE5E	17.3	0.15	K2175	191.255	250.878	161.491	8.871	0.08059	2.94025	3	V
K18VE5F	17.5	0.15	K2175	187.121	267.421	134.612	10.774	0.11706	3.01153	4	V
K18VE5G	17.0	0.15	K2175	212.342	113.584	277.625	11.270	0.09597	2.93004	5	V
K18VE5H	17.0	0.15	K2175	210.930	82.407	277.440	10.020	0.14065	3.16879	4	V
K18VE5J	17.7	0.15	K2175	286.410	312.777	29.888	9.310	0.18065	2.57563	4	V
K18VE5K	18.5	0.15	K2175	266.128	108.317	305.230	6.102	0.11147	2.35746	4	V
K18VE5L	17.3	0.15	K2175	214.890	80.760	289.365	9.148	0.17060	3.00165	4	V
K18VE5M	16.7	0.15	K2175	222.998	60.783	277.030	15.006	0.22050	3.14217	4	V
K18VE5N	17.7	0.15	K2175	187.583	272.196	134.118	5.538	0.17222	3.01706	4	V
K18VE5O	17.8	0.15	K2175	233.324	220.622	163.085	4.556	0.15344	2.73412	5	V
K18VE5P	17.5	0.15	K2175	258.587	358.700	20.604	12.366	0.19370	2.56840	4	V
K18VE5Q	16.6	0.15	K2175	169.152	24.905	40.258	15.437	0.27544	3.16165	5	V
K18VE5R	17.8	0.15	K2175	233.267	235.686	152.744	4.313	0.11980	2.74240	3	V
K18VE5S	17.5	0.15	K2175	259.613	232.772	104.636	10.226	0.16192	2.77009	3	V

K18VE5T	17.5	0.15	K2175	221.318	251.756	144.254	14.932	0.13671	2.78411	4 V
K18VE5U	17.0	0.15	K2175	171.182	280.146	132.245	11.393	0.07203	3.10433	7 V
K18VE5V	17.4	0.15	K2175	150.429	267.770	180.575	11.941	0.13727	3.05317	3 V
K18VE5W	17.7	0.15	K2175	187.727	287.620	169.275	12.945	0.23876	2.69105	6 V
K18VE5X	18.9	0.15	K2175	256.689	57.495	11.327	6.121	0.16262	2.34742	4 V
K18VE5Y	16.6	0.15	K2175	251.356	92.340	247.662	14.156	0.09114	3.02128	7 V
K18VE5Z	17.7	0.15	K2175	325.572	41.277	265.822	11.539	0.09139	2.57004	6 V
K18VE6A	17.6	0.15	K2175	240.497	232.139	172.655	11.618	0.18840	2.60163	5 V
K18VE6B	18.0	0.15	K2175	266.153	181.392	178.310	5.486	0.25768	2.61036	2 V
K18VE6C	17.7	0.15	K2175	169.726	338.351	87.642	2.526	0.18515	3.05710	4 V
K18VE6D	19.2	0.15	K2175	294.165	170.048	246.804	1.524	0.06530	2.16400	5 V
K18VE6E	17.1	0.15	K2175	254.320	119.061	227.685	9.825	0.01346	3.05581	6 V
K18VE6F	17.4	0.15	K2175	182.274	316.481	93.742	8.276	0.17307	3.05861	4 V
K18VE6G	18.1	0.15	K2175	173.151	36.729	101.859	7.428	0.25365	2.61314	4 V
K18VE6H	17.7	0.15	K2175	171.292	270.916	165.107	4.181	0.24911	3.05636	4 V
K18VE6J	17.1	0.15	K2175	157.457	347.655	80.852	11.398	0.13003	3.16199	5 V
K18VE6K	18.1	0.15	K2175	272.380	163.220	201.116	7.533	0.28634	2.53765	3 V
K18VE6L	16.8	0.15	K2175	136.100	285.140	231.431	24.180	0.11516	2.72295	4 V
K18VE6M	17.5	0.15	K2175	169.928	255.795	206.881	3.836	0.07328	2.81744	5 V
K18VE6N	17.4	0.15	K2175	230.428	94.191	234.764	14.272	0.22958	3.16749	2 V
K18VE6O	17.3	0.15	K2175	145.782	46.573	63.912	10.643	0.03749	2.86641	4 V
K18VE6P	17.3	0.15	K2175	146.107	37.591	61.513	4.294	0.18163	3.10995	5 V
K18VE6Q	17.5	0.15	K2175	127.755	70.046	55.216	10.713	0.19258	3.12556	4 V
K18VE6R	17.3	0.15	K2175	188.816	325.740	70.845	8.772	0.15328	3.11564	5 V
K18VE6S	17.0	0.15	K2175	170.038	344.383	71.160	10.990	0.09821	3.14574	7 V
K18VE6T	18.5	0.15	K2175	222.016	42.355	54.690	3.498	0.15485	2.42743	6 V
K18VE6U	17.1	0.15	K2175	191.343	185.644	226.412	9.803	0.05783	3.00745	7 V
K18W08V	17.1	0.15	K2175	208.754	327.330	55.616	13.216	0.13401	3.07822	5 V
K18W08W	17.2	0.15	K2175	172.066	127.671	294.514	15.648	0.21208	3.10429	5 V
K18W08X	17.6	0.15	K2175	300.112	78.973	249.661	16.900	0.18475	2.60425	4 V
K18W08Y	17.0	0.15	K2175	140.331	52.736	65.239	23.156	0.22500	3.12642	4 V
K18W08Z	17.8	0.15	K2175	250.584	96.059	284.886	10.833	0.27773	2.61280	4 V
K18W09A	18.6	0.15	K2175	303.586	90.204	257.908	20.522	0.30831	2.38457	3 V
K18W09B	17.1	0.15	K2175	151.419	230.348	215.272	7.990	0.12715	3.13986	7 V
K18W09C	17.8	0.15	K2175	185.922	237.716	242.339	15.610	0.16413	2.61248	4 V
K18W09D	18.3	0.15	K2175	306.552	112.434	243.466	13.669	0.15534	2.40805	4 V
K18W09E	17.5	0.15	K2175	184.957	155.288	251.414	7.689	0.08210	3.03123	3 V
K18W09F	18.9	0.15	K2175	277.005	184.410	237.613	6.010	0.07759	2.24780	4 V
K18W09G	18.0	0.15	K2175	296.555	74.947	251.716	3.561	0.20668	2.56971	5 V
K18W09H	17.5	0.15	K2175	271.460	131.114	234.658	12.733	0.19932	2.59469	4 V
K18X10C	17.8	0.15	K2175	9.305	68.381	238.038	6.682	0.12654	2.33382	9 X
K18X15H	16.9	0.15	K2175	154.248	254.814	259.145	4.436	0.10289	2.55700	12 X
K18X31Y	16.9	0.15	K2175	130.473	289.488	234.886	8.473	0.15980	3.23201	5 V
K18X31Z	18.9	0.15	K2175	313.490	143.370	217.193	1.778	0.22296	2.32494	2 V
K18X32A	17.4	0.15	K2175	135.967	265.035	265.140	11.250	0.10421	2.62787	4 V
K18X32B	16.6	0.15	K2175	195.432	286.544	107.724	23.725	0.05107	3.23159	3 V
K18X32C	17.8	0.15	K2175	226.910	232.908	221.565	13.298	0.17260	2.62723	4 V
K18X32D	16.4	0.15	K2175	174.845	199.021	261.233	16.199	0.19094	3.11104	5 V
K18X32E	17.5	0.15	K2175	209.148	23.209	95.252	22.556	0.07210	2.56277	4 V
K18X32F	16.9	0.15	K2175	116.620	63.931	93.503	13.890	0.09641	3.16450	3 V
K18X32G	17.9	0.15	K2175	250.029	22.318	8.030	15.091	0.14284	2.58879	4 V
K18X32H	17.3	0.15	K2175	196.004	208.789	266.515	12.656	0.09974	2.57103	5 V
K18X32J	16.7	0.15	K2175	190.043	323.815	99.387	29.174	0.18969	3.10096	3 V
K18X32K	16.9	0.15	K2175	215.443	320.036	89.889	10.843	0.11859	3.00719	4 V
K18X32L	16.5	0.15	K2175	207.853	119.462	260.080	12.086	0.16505	3.18098	6 V
K18X32M	19.0	0.15	K2175	54.873	92.176	262.116	18.308	0.09529	1.93352	5 V
K18X32N	17.3	0.15	K2175	185.854	197.271	217.228	8.808	0.10093	3.05344	6 V
K18X32O	18.5	0.15	K2175	312.693	269.298	108.711	13.709	0.22408	2.34787	2 V
K18X32P	18.9	0.15	K2175	291.590	67.428	97.863	23.098	0.05605	1.88693	4 V
K18X32Q	16.9	0.15	K2175	136.113	251.701	263.958	14.553	0.15581	3.19887	3 V
K18Y04W	16.1	0.15	K2175	111.442	283.483	278.253	8.810	0.04039	2.99980	11 X
K18Y08Q	17.3	0.15	K2175	112.751	101.988	74.634	8.949	0.06039	2.97787	5 X
K18Y12S	17.3	0.15	K2175	6.537	352.132	298.300	21.003	0.18261	2.80445	3 X
K18Y12Z	17.5	0.15	K2175	244.990	32.178	27.036	32.512	0.17478	2.58767	2 V
K18Y13A	19.1	0.15	K2175	243.821	80.313	50.449	5.848	0.16748	2.31340	4 V
K18Y13B	17.2	0.15	K2175	129.024	87.696	62.725	26.086	0.19700	3.20518	4 V
K18Y13C	17.1	0.15	K2175	126.021	61.417	81.322	12.064	0.02654	3.18480	4 V
K19A01R	17.0	0.15	K2175	269.042	128.136	314.509	31.584	0.21525	2.62086	6 X
K19A13D	21.3	0.15	K2175	23.037	324.553	296.795	21.711	0.14333	1.42706	2 X
K19A16N	17.1	0.15	K2175	354.508	18.788	309.134	29.350	0.07890	2.47247	4 X
K19A22T	16.2	0.15	K2175	28.449	19.152	256.746	6.972	0.09570	3.20393	10 X
K19A25T	17.2	0.15	K2175	354.824	41.203	269.815	5.504	0.22751	2.79513	8 X
K19A60D	17.1	0.15	K2175	358.547	37.583	274.839	11.284	0.02986	3.03804	5 X
K19A82O	17.5	0.15	K2175	275.294	160.242	248.088	3.602	0.05218	2.75571	4 V
K19A82P	19.1	0.15	K2175	312.178	278.613	163.486	4.330	0.08198	2.21373	4 V
K19A82Q	17.3	0.15	K2175	220.838	98.484	288.938	9.856	0.29984	3.01372	4 V
K19A82R	18.0	0.15	K2175	227.964	225.437	207.937	11.075	0.22127	2.60199	4 V
K19A82S	18.1	0.15	K2175	287.304	121.613	265.297	13.941	0.15108	2.60052	2 V
K19B09B	16.5	0.15	K2175	144.360	5.185	152.012	28.141	0.12005	3.22020	4 X
K19C10F	16.1	0.15	K2175	2.047	353.132	301.157	6.823	0.12203	3.12317	10 X
K19C10U	17.2	0.15	K2175	288.618	98.276	297.739	13.433	0.17956	2.56970	7 X
K19G74Y	14.3	0.15	K2175	311.113	62.496	238.029	25.045	0.04589	5.24282	3 X
K19G98L	14.7	0.15	K2175	321.674	112.628	192.105	24.675	0.08646	5.19210	5 X
K19GA0C	16.7	0.15	K2175	282.442	196.299	207.115	10.003	0.08621	3.46527	6 X
K19K04R	14.2	0.15	K2175	301.742	184.848	121.744	28.826	0.07417	5.12773	4 X
K19K06Z	14.2	0.15	K2175	322.996	173.304	107.252	27.288	0.05687	5.26999	6 X
K19K46O	16.0	0.15	K2175	56.013	335.067	320.371	4.052	0.13624	3.93198	4 V
K19N01C	21.3	0.15	K2175	197.529	143.882	310.868	6.845	0.12691	0.99367	5 X
K19Q72K	17.0	0.15	K2175	129.877	255.435	96.143	10.308	0.08744	3.00569	5 V
K19Q72L	16.5	0.15	K2175	167.609	19.148	263.952	12.453	0.14025	3.16041	6 V
K19R72Z	17.2	0.15	K2175	192.303	49.489	226.464	8.912	0.05600	3.04971	7 V
K19R73A	17.5	0.15	K2175	148.723	108.627	234.311	6.161	0.03434	2.70483	4 V
K19S07Y	18.3	0.15	K2175	127.272	276.379	215.743	19.582	0.10925	1.91325	8 X
K19SH9F	17.5	0.15	K2175	202.728	196.157	99.132	5.269	0.24337	2.67279	4 V

K19SH9G	17.1	0.15	K2175	128.413	213.918	171.170	10.203	0.02625	3.04547	8 V
K19SH9H	17.0	0.15	K2175	137.428	210.708	166.669	16.257	0.06393	3.20179	5 V
K19SH9J	16.9	0.15	K2175	223.147	203.034	75.549	15.233	0.03121	3.12769	5 V
K19SH9K	16.9	0.15	K2175	204.291	168.573	123.587	9.965	0.04937	3.14969	4 V
K19T08J	18.2	0.15	K2175	138.396	218.426	295.608	16.540	0.07086	1.85671	7 X
K19T76D	18.0	0.15	K2175	91.823	325.481	106.415	8.025	0.01320	2.56232	5 V
K19U04D	23.0	0.15	K2175	326.549	39.471	310.660	3.357	0.34881	1.57055	2 X
K19UB3O	19.9	0.15	K2175	342.373	54.040	238.038	22.736	0.07477	1.80852	2 X
K19W07K	18.7	0.15	K2175	347.668	32.270	291.386	17.247	0.08345	1.95944	5 X
K19W19B	18.0	0.15	K2175	28.371	330.250	243.996	21.413	0.15112	2.28686	3 X
K19Y39P	18.1	0.15	K2175	46.358	310.483	282.548	16.183	0.25867	2.72745	3 X
K20A06W	17.5	0.15	K2175	58.648	324.109	275.312	13.300	0.19866	2.74672	3 X
K20B25T	18.5	0.15	K2175	268.953	94.682	302.444	17.314	0.09242	1.99506	4 X
K20B27X	16.3	0.15	K2175	69.954	306.471	271.945	15.701	0.19075	3.17135	5 X
K20B45L	16.9	0.15	K2175	186.458	284.129	94.331	10.344	0.08747	3.17418	3 V
K20B60P	17.8	0.15	K2175	57.803	320.106	274.770	10.373	0.19245	2.63260	4 X
K20B87E	18.6	0.15	K2175	20.742	138.474	127.608	23.466	0.19175	2.43386	4 X
K20B88V	18.5	0.15	K2175	13.732	308.763	326.371	2.156	0.18251	2.39339	6 X
K20D08K	17.7	0.15	K2175	68.943	328.844	263.647	11.805	0.18555	2.64865	4 X
K20D10N	18.9	0.15	K2175	87.015	9.056	202.514	5.700	0.04798	2.33025	5 X
K20F11X	17.1	0.15	K2175	55.946	92.723	148.454	26.941	0.12795	3.14740	4 X
K20F19Q	17.2	0.15	K2175	69.332	0.872	236.180	5.389	0.07005	2.68909	9 X
K20H41N	14.7	0.15	K2175	320.154	82.559	211.376	13.022	0.09324	5.17551	5 X
K20H67F	17.4	0.15	K2175	78.938	57.622	172.765	9.796	0.03309	3.02002	5 X
K20H94P	17.5	0.15	K2175	186.693	265.760	216.138	8.641	0.08822	2.73530	6 X
K20H95C	17.3	0.15	K2175	331.616	177.458	167.017	10.998	0.10358	3.14209	4 X
K20HB4U	14.8	0.15	K2175	320.602	71.472	212.036	14.342	0.04637	5.18312	3 X
K20HB6T	14.9	0.15	K2175	330.770	163.840	113.234	12.353	0.03833	5.23268	4 X
K20J12R	16.5	0.15	K2175	227.480	244.014	207.117	9.436	0.02235	3.12485	9 X
K21F35X	17.2	0.15	K2175	10.747	101.552	124.369	26.323	0.33975	3.28822	3 X
K21F36R	18.5	0.15	K2175	334.276	169.521	116.077	24.969	0.21500	2.26312	3 X
K21G04M	21.8	0.15	K2175	11.559	323.953	295.148	5.245	0.35220	1.52587	3 X
K21G58O	14.6	0.15	K2175	269.704	263.310	73.258	29.200	0.08029	5.22096	4 X
K21G74R	17.8	0.15	K2175	313.289	250.435	78.426	20.403	0.34126	2.77057	3 X
K21G74T	18.3	0.15	K2175	327.323	167.596	121.896	9.583	0.11563	2.53289	4 X
K21G76G	18.3	0.15	K2175	357.915	44.093	211.612	4.449	0.20310	2.59031	2 X
K21G94L	17.0	0.15	K2175	342.274	165.213	101.947	14.009	0.10911	3.17112	3 X
K21GA5N	17.7	0.15	K2175	28.477	85.816	128.152	25.247	0.12899	2.79490	4 X
K21GE2M	16.8	0.15	K2175	216.940	98.807	251.895	9.171	0.05762	3.07691	6 V
K21H04O	18.8	0.15	K2175	5.620	106.372	136.944	8.139	0.16436	2.34786	3 X
K21H05G	18.4	0.15	K2175	339.370	133.912	150.117	2.955	0.18742	2.46314	6 X
K21H05O	14.6	0.15	K2175	297.536	234.819	74.088	30.990	0.05089	5.19552	4 X
K21H06D	17.3	0.15	K2175	308.229	203.337	108.848	10.927	0.12708	2.84034	4 X
K21H07N	19.4	0.15	K2175	334.748	170.012	134.267	8.595	0.26587	2.29775	2 X
K21H07T	18.1	0.15	K2175	326.036	53.014	239.974	6.237	0.11362	2.33762	4 X
K21H13X	18.4	0.15	K2175	334.687	74.299	219.419	10.671	0.20018	2.66704	3 X
K21J13L	19.4	0.15	K2175	325.863	166.448	134.888	5.710	0.17721	2.10167	4 X
K21J14E	17.4	0.15	K2175	326.777	164.023	148.989	17.979	0.25201	2.78657	6 X
K21J24Q	17.8	0.15	K2175	346.506	308.767	60.113	5.992	0.66977	3.22763	4 X
K21J52F	16.2	0.15	K2175	346.641	219.144	142.785	24.758	0.56528	3.93410	3 X
K21K03G	18.1	0.15	K2175	334.917	165.469	129.483	10.849	0.23740	3.06046	2 X
K21L11L	17.7	0.15	K2175	1.470	351.628	303.756	10.672	0.20870	2.60162	4 X
K21L19L	18.7	0.15	K2175	353.556	2.868	300.215	8.497	0.23809	2.26329	3 X
K21L20H	17.3	0.15	K2175	46.129	349.852	266.652	7.641	0.10061	2.75987	4 X
K21L21B	18.2	0.15	K2175	6.783	169.978	122.819	7.886	0.15250	2.42732	4 X
K21L24N	17.7	0.15	K2175	333.280	234.327	102.892	13.996	0.21299	2.66044	4 X
K21L24R	18.4	0.15	K2175	338.400	93.352	277.392	21.359	0.44089	3.08982	4 V
K21M05T	18.1	0.15	K2175	4.273	230.504	61.900	8.026	0.15257	2.60327	5 X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc C
K15Bq2M	20.8	0.15	K2175	101.470	297.082	180.957	9.451	0.13845	3.00725	7 V
K18V38O	17.9	0.15	K2175	194.768	118.010	276.067	8.709	0.16260	2.93331	38 V
K18Y12X	17.5	0.15	K2175	164.258	17.952	90.456	17.359	0.14705	3.07889	25 V
K21C02H	21.8	0.15	K2175	26.336	292.475	319.382	19.917	0.12590	1.13900	202 X
K21F36P	17.9	0.15	K2175	36.845	96.934	101.271	13.157	0.20857	2.60609	127 X
K21G00Y	22.1	0.15	K2175	7.391	111.266	147.356	7.649	0.49821	1.97394	134 X
K21G65T	17.8	0.15	K2175	302.893	236.865	85.153	13.539	0.18200	2.64353	111 X
K21G89H	19.5	0.15	K2175	322.361	200.673	111.621	9.726	0.26345	2.17525	106 X
K21G89N	18.3	0.15	K2175	16.974	0.878	229.134	12.845	0.19865	2.66347	113 X
K21H14K	18.4	0.15	K2175	7.422	59.709	186.859	8.466	0.12174	2.56755	104 X
K21J02H	19.3	0.15	K2175	351.392	313.258	356.613	6.595	0.52702	2.17740	86 X
K21J11G	18.3	0.15	K2175	326.786	179.412	125.135	6.324	0.23440	2.59109	80 X
K21J23E	19.3	0.15	K2175	21.619	89.180	138.944	20.999	0.25721	2.28406	87 X
K21J23V	18.8	0.15	K2175	347.716	176.025	102.164	12.582	0.29018	2.77174	81 X
K21J28W	18.5	0.15	K2175	359.925	143.835	109.941	13.374	0.25206	2.65285	83 X
K21J34X	18.5	0.15	K2175	343.407	61.479	231.700	21.867	0.24436	2.40592	80 X
K21K14G	19.1	0.15	K2175	0.914	54.743	238.296	1.638	0.27325	2.41823	68 X
K21L09H	20.0	0.15	K2175	344.784	30.440	294.030	6.337	0.44932	2.16712	47 X
K21L15N	20.0	0.15	K2175	337.988	31.926	325.065	7.845	0.47263	2.26493	47 X
K21L15R	18.2	0.15	K2175	12.083	121.019	148.561	20.177	0.44030	3.24227	54 X
K21L15X	19.4	0.15	K2175	339.175	73.196	264.784	10.191	0.30274	2.36769	53 X
K21L20T	16.4	0.15	K2175	235.509	121.916	311.290	26.394	0.09192	3.13524	47 X
K21L22H	19.7	0.15	K2175	358.210	209.859	85.872	9.497	0.17666	2.23235	49 X
K21L23K	19.4	0.15	K2175	329.372	355.556	347.052	5.682	0.20013	2.28234	47 X
K21L24P	18.2	0.15	K2175	336.309	234.159	94.860	14.027	0.18248	2.51939	49 V
K21L24Q	20.0	0.15	K2175	340.245	180.982	207.791	11.244	0.64059	3.01692	47 V
K21M00J	20.4	0.15	K2175	140.273	20.796	122.846	40.113	0.19545	0.89233	66 X
K21M00L	19.8	0.15	K2175	343.310	15.865	313.429	4.337	0.35650	2.19375	47 X
K21M02L	19.3	0.15	K2175	26.663	173.083	83.901	7.620	0.18600	2.32706	42 X
K21M03K	19.7	0.15	K2175	17.751	183.802	82.322	7.329	0.19226	2.22835	42 X
K21M03L	17.9	0.15	K2175	7.802	190.746	97.434	14.678	0.15886	2.90465	41 X
K21N00Q	20.9	0.15	K2175	335.070	99.131	255.298	4.528	0.37607	2.24012	26 X
K21N01F	19.7	0.15	K2175	357.801	142.786	155.019	6.402	0.39851	2.13581	52 X

K21N01L	22.9	0.15	K2175	357.865	352.028	295.900	9.319	0.43157	1.90044	25	X
K21N01S	22.0	0.15	K2175	10.705	164.003	102.785	16.107	0.33024	1.70585	23	X
K21N01T	20.8	0.15	K2175	243.204	132.811	298.158	24.512	0.25463	1.27555	23	X
K21N01U	20.9	0.15	K2175	347.201	309.636	56.488	4.348	0.68715	3.23415	24	X
K21N01W	21.5	0.15	K2175	325.438	310.844	84.125	9.423	0.57473	2.00069	23	X
K21N01Y	21.5	0.15	K2175	342.052	172.072	174.841	6.241	0.59515	2.44630	49	X
K21N02J	19.7	0.15	K2175	347.503	184.986	131.827	8.794	0.37403	2.15032	25	X
K21N03T	21.4	0.15	K2175	346.564	185.807	141.407	9.731	0.46010	2.18122	21	X
K21N04C	18.6	0.15	K2175	355.214	12.296	311.938	32.455	0.52595	2.74408	21	X
K21N04F	21.1	0.15	K2175	339.714	74.711	265.815	4.400	0.38322	2.17303	22	V
K21N04S	19.5	0.15	K2175	11.323	248.938	29.553	3.300	0.23317	2.42769	7	X
K21N04T	18.4	0.15	K2175	357.353	222.553	75.607	6.388	0.24958	2.69983	23	X
K21N04U	17.4	0.15	K2175	338.643	303.323	20.588	5.355	0.13434	3.14023	25	X
K21N04W	17.8	0.15	K2175	341.073	327.613	354.553	5.569	0.16055	3.03445	25	X
K21N05J	20.3	0.15	K2175	344.727	25.770	306.687	10.477	0.26636	2.01395	21	X
K21N05S	18.4	0.15	K2175	344.317	336.593	30.656	10.577	0.59811	2.63150	22	X
K21N05U	23.6	0.15	K2175	345.493	267.650	62.163	3.084	0.50391	2.12581	18	X
K21N05Y	20.3	0.15	K2175	328.310	301.424	91.957	11.362	0.58118	2.47739	23	X
K21N06W	18.0	0.15	K2175	307.478	283.441	74.156	6.910	0.05351	2.67910	25	X
K21N07B	17.9	0.15	K2175	349.198	218.313	99.146	11.924	0.18199	3.04120	21	X
K21N07T	19.0	0.15	K2175	7.159	252.464	32.964	4.668	0.22578	2.55858	25	X
K21N07U	19.0	0.15	K2175	342.546	236.967	88.610	7.120	0.21904	2.52791	24	X
K21N08S	24.9	0.15	K2175	260.226	156.627	249.313	1.996	0.19086	1.08968	16	X
K21N11A	16.7	0.15	K2175	332.075	56.758	313.433	15.657	0.23694	3.13491	21	X
K21N11E	18.0	0.15	K2175	326.913	36.280	316.464	12.598	0.36397	2.72362	69	V
K21O00D	20.2	0.15	K2175	322.597	212.247	129.739	32.118	0.12473	1.44715	15	X
K21O00F	24.0	0.15	K2175	352.144	177.250	131.030	9.571	0.51861	2.13173	13	X
K21O00S	22.0	0.15	K2175	90.481	218.103	294.364	15.458	0.43238	0.81093	11	X
K21O00W	22.1	0.15	K2175	2.889	130.925	128.481	14.644	0.64944	2.79842	13	X
K21O00Z	23.0	0.15	K2175	120.610	206.784	310.625	17.843	0.07840	0.97624	2	X
K21O01A	24.5	0.15	K2175	339.840	197.868	131.454	6.632	0.38564	1.70507	2	X
K21O01B	25.8	0.15	K2175	335.787	52.358	302.151	4.769	0.50197	1.88995	2	V
K21O01C	26.9	0.15	K2175	92.215	203.405	304.405	9.837	0.45302	0.74575	2	V
K21O01D	28.2	0.15	K2175	189.301	333.228	127.969	11.905	0.26052	0.83742	1	V

New observations:

K01E00C	C2021	07	30.48824422	26	55.35	-09	41	04.9	18.96	oVEO074T05	
K01E00C	C2021	07	30.49117122	26	55.29	-09	41	04.7	18.87	oVEO074T05	
K01E00C	C2021	07	30.49406322	26	55.21	-09	41	04.8	19.17	oVEO074T05	
K01E00C	C2021	07	30.50048522	26	55.09	-09	41	05.9	19.24	oVEO074T05	
K02Q46G	C2021	07	30.54866701	08	28.80	-15	30	47.8	18.43	oVEO074T05	
K02Q46G	C2021	07	30.55144201	08	27.99	-15	30	44.1	18.08	oVEO074T05	
K02Q46G	C2021	07	30.56142301	08	24.98	-15	30	29.0	18.30	oVEO074T05	
K02Q46G	C2021	07	30.56786901	08	23.05	-15	30	20.1	18.48	oVEO074T05	
K02RD7O	C2021	07	30.53323421	59	32.715	+04	30	40.64	20.36	iUEO074F51	
K02RD7O	C2021	07	30.54658121	59	33.096	+04	30	44.93	20.66	iUEO074F51	
K02RD7O	C2021	07	30.55989221	59	33.467	+04	30	49.04	20.42	iUEO074F51	
K05O03G	C2021	07	30.41847519	18	52.90	-12	31	09.1	17.37	oVEO074T05	
K05O03G	C2021	07	30.42168219	18	52.93	-12	31	12.7	17.27	oVEO074T05	
K05O03G	C2021	07	30.43642219	18	52.97	-12	31	28.6	17.16	oVEO074T05	
K05R33O	C2021	07	30.49774322	42	27.98	-23	13	36.6	18.19	oVEO074T05	
K05R33O	C2021	07	30.49957022	42	28.44	-23	13	39.3	17.84	oVEO074T05	
K05R33O	C2021	07	30.50231422	42	29.04	-23	13	43.7	17.87	oVEO074T05	
K05R33O	C2021	07	30.50829822	42	30.48	-23	13	53.3	17.99	oVEO074T05	
K05T45R	C2021	07	30.31770414	55	53.76	+07	49	36.7	19.15	cVEO074T08	
K05T45R	C2021	07	30.32184814	55	54.45	+07	49	33.5	19.14	cVEO074T08	
K05T45R	C2021	07	30.33754614	55	57.03	+07	49	20.1	18.96	cVEO074T08	
K05T45R	C2021	07	30.34308214	55	57.96	+07	49	16.4	19.12	cVEO074T08	
K06L00A	C2021	07	30.57155200	26	51.00	-33	49	48.6	18.69	oVEO074T05	
K06L00A	C2021	07	30.57429300	26	51.57	-33	49	55.7	18.39	oVEO074T05	
K06L00A	C2021	07	30.57796300	26	52.43	-33	50	05.5	18.54	oVEO074T05	
K06L00A	C2021	07	30.59029800	26	55.23	-33	50	37.3	18.86	oVEO074T05	
K11Y10Q	C2021	07	30.44642521	36	06.09	-15	28	05.4	16.96	oVEO074T05	
K11Y10Q	C2021	07	30.44916821	36	06.39	-15	28	05.9	16.93	oVEO074T05	
K11Y10Q	C2021	07	30.45237021	36	06.74	-15	28	06.3	16.99	oVEO074T05	
K11Y10Q	C2021	07	30.45740121	36	07.29	-15	28	07.2	16.90	oVEO074T05	
K14UJ2U	C2021	07	30.39605817	23	30.49	+18	29	15.1	18.48	oVEO074T08	
K14UJ2U	C2021	07	30.40253417	23	31.04	+18	29	06.3	19.00	oVEO074T08	
K14UJ2U	C2021	07	30.41277417	23	31.94	+18	28	53.0	19.09	oVEO074T08	
K14UJ2U	C2021	07	30.42015917	23	32.66	+18	28	44.4	19.15	oVEO074T08	
K14UJ2U	C2021	07	30.42293917	23	32.87	+18	28	41.4	19.21	oVEO074T08	
K16P02C	C2021	07	29.94561	20	56	04.72	-03	30	38.9	17.7	RoEO074K88
K16P02C	C2021	07	29.94590	20	56	04.42	-03	30	43.1	17.5	RoEO074K88
K16P02C	C2021	07	29.94618	20	56	04.20	-03	30	48.3	17.6	RoEO074K88
K16P02C	C2021	07	29.94646	20	56	03.96	-03	30	53.4	17.5	RoEO074K88
K16P02C	C2021	07	30.40044020	50	02.47	-05	32	19.5	17.88	oVEO074T05	
K16P02C	C2021	07	30.40364120	49	59.80	-05	33	10.6	18.01	oVEO074T05	
K16P02C	C2021	07	30.43876120	49	30.41	-05	42	25.8	17.65	oVEO074T05	
K16P02C	C2021	07	30.46721220	49	06.66	-05	49	54.2	18.20	oVEO074T05	
K17S19R	KC2021	07	30.92491320	33	56.70	+14	32	48.6	17.6	GVEO074L18	
K17S19R	KC2021	07	30.92754920	33	56.90	+14	32	38.3	17.6	GVEO074L18	
K17S19R	KC2021	07	30.93018820	33	57.09	+14	32	29.0	17.7	GVEO074L18	
K18L04M	C2021	07	29.85182	20	54	36.32	+07	21	23.4	14.9	RoEO074K88
K18L04M	C2021	07	29.85212	20	54	36.27	+07	21	20.5	14.9	RoEO074K88
K18L04M	C2021	07	29.85241	20	54	36.21	+07	21	15.6	14.9	RoEO074K88
K18L04M	C2021	07	29.85254	20	54	36.19	+07	21	15.0	14.9	GXEO074G02
K18L04M	C2021	07	29.85271	20	54	36.14	+07	21	11.4	14.9	RoEO074K88
K18L04M	C2021	07	29.85664	20	54	35.33	+07	20	18.8	14.9	GXEO074G02
K18L04M	KC2021	07	29.86193	20	54	34.27	+07	19	09.8	14.8	GXEO074G02
K19A13D	C2021	07	30.72876	20	58	43.65	+07	35	22.4	19.9	RqEO074D29
K19A13D	C2021	07	30.75704	20	58	38.42	+07	36	52.0	19.0	RqEO074D29
K19N01C	C2021	07	30.46197422	08	08.80	-15	01	31.8	16.70	oVEO074T05	
K19N01C	C2021	07	30.46614122	08	07.63	-15	01	18.2	16.74	oVEO074T05	
K19N01C	C2021	07	30.48680922	08	01.72	-15	00	10.1	16.88	oVEO074T05	

K19N01C	C2021	07	30.49071322	08	00.61	-14	59	57.1	17.03oVEO074T05	
K19U04D	C2021	07	30.38531020	10	24.99	-23	13	51.5	18.57oVEO074T05	
K19U04D	C2021	07	30.38807420	10	25.26	-23	13	44.7	18.73oVEO074T05	
K19U04D	C2021	07	30.39082720	10	25.50	-23	13	38.3	18.25oVEO074T05	
K19U04D	C2021	07	30.39769920	10	26.11	-23	13	20.2	18.39oVEO074T05	
K21C02H	C2021	07	29.38887	01	52	04.10	-29	35	15.5	18.9 VuEO074807
K21C02H	C2021	07	29.39105	01	52	02.90	-29	35	00.2	19.1 VuEO074807
K21C02H	C2021	07	29.39327	01	52	01.76	-29	34	44.5	19.2 VuEO074807
K21G00Y	C2021	07	30.53388	22	01	37.355+07	48	56.86	19.5 iUEO074F51	
K21G00Y	C2021	07	30.54724	22	01	37.869+07	47	44.37	19.7 iUEO074F51	
K21G00Y	C2021	07	30.56054	22	01	38.386+07	46	32.55	19.5 iUEO074F51	
K21G00Y	C2021	07	30.57387	22	01	38.911+07	45	20.63	19.5 iUEO074F51	
K21G04M	C2021	07	30.53135622	49	06.32	+08	21	22.9	18.46oVEO074T08	
K21G04M	C2021	07	30.54153522	49	04.40	+08	21	30.3	18.25oVEO074T08	
K21G04M	C2021	07	30.54527	22	49	03.770+08	21	31.34	18.4 iUEO074F51	
K21G04M	C2021	07	30.55407022	49	02.05	+08	21	39.1	18.29oVEO074T08	
K21G04M	C2021	07	30.55856	22	49	01.270+08	21	41.17	18.4 iUEO074F51	
K21G04M	C2021	07	30.56576322	48	59.84	+08	21	48.0	18.34oVEO074T08	
K21G04M	C2021	07	30.58517	22	48	56.278+08	22	00.65	18.3 iUEO074F51	
K21G04M	C2021	07	30.62681222	48	48.54	+08	22	32.4	18.31oVEO074T08	
K21J02H	C2021	07	30.27978	05	28	35.52	-73	33	19.8	16.7 GVEO074W88
K21J02H	C2021	07	30.28332	05	28	30.25	-73	33	00.9	16.9 GVEO074W88
K21J02H	C2021	07	30.28686	05	28	25.02	-73	32	41.6	16.9 GVEO074W88
K21J02H	C2021	07	30.29378	05	28	14.70	-73	32	04.0	16.8 GVEO074W88
K21J24Q	C2021	07	30.51289523	18	16.25	-30	19	01.0	16.89oVEO074T05	
K21J24Q	C2021	07	30.52435923	18	19.19	-30	19	06.2	16.95oVEO074T05	
K21J24Q	C2021	07	30.53440123	18	21.73	-30	19	11.0	16.94oVEO074T05	
K21J24Q	C2021	07	30.53622923	18	22.20	-30	19	11.9	16.94oVEO074T05	
K21L09H	C2021	07	30.41205018	56	23.88	-17	16	45.5	18.66oVEO074T05	
K21L09H	C2021	07	30.41573218	56	24.05	-17	16	38.3	18.38oVEO074T05	
K21L09H	C2021	07	30.42122418	56	24.33	-17	16	26.4	18.45oVEO074T05	
K21L09H	C2021	07	30.43270018	56	24.87	-17	16	02.9	18.43oVEO074T05	
K21L15N	C2021	07	30.52090022	32	50.62	-16	02	44.0	18.82oVEO074T05	
K21L15N	C2021	07	30.53100822	32	51.26	-16	02	27.9	19.04oVEO074T05	
K21L15N	C2021	07	30.55941422	32	52.88	-16	01	40.7	18.97oVEO074T05	
K21L15N	C2021	07	30.58417022	32	54.36	-16	00	58.0	18.87oVEO074T05	
K21M00J	C2021	07	29.39565	02	48	19.60	-37	53	14.9	19.6 VuEO074807
K21M00J	C2021	07	29.39786	02	48	20.58	-37	53	36.0	19.5 VuEO074807
K21M00J	C2021	07	29.40001	02	48	21.65	-37	53	55.4	19.7 VuEO074807
K21N01F	C2021	07	30.49241	21	58	30.227-01	16	41.67	18.5 iUEO074F51	
K21N01F	C2021	07	30.50490	21	58	30.856-01	16	53.37	18.5 iUEO074F51	
K21N01F	C2021	07	30.51740	21	58	31.488-01	17	04.98	18.4 iUEO074F51	
K21N01F	C2021	07	30.52991	21	58	32.120-01	17	16.67	18.4 iUEO074F51	
K21N01F	C2021	07	30.79371	21	58	48.07	-01	21	29.3	18.0 RqEO074D29
K21N01F	C2021	07	30.80785	21	58	48.79	-01	21	42.7	18.2 RqEO074D29
K21N01L	C2021	07	30.73053	21	03	23.75	+08	26	38.1	18.4 RqEO074D29
K21N01L	C2021	07	30.75881	21	03	27.32	+08	29	02.8	19.2 RqEO074D29
K21N01S	C2021	07	29.19960	22	48	55.16	-47	48	09.9	20.5 VuEO074807
K21N01S	C2021	07	29.20802	22	48	55.57	-47	48	29.6	20.8 VuEO074807
K21N01S	C2021	07	29.21644	22	48	55.85	-47	48	48.0	20.7 VuEO074807
K21N01T	C2021	07	29.11216	19	55	09.04	-11	21	57.6	20.3 VuEO074807
K21N01T	C2021	07	29.11427	19	55	08.59	-11	21	52.6	20.0 VuEO074807
K21N01T	C2021	07	29.11628	19	55	08.14	-11	21	47.6	19.9 VuEO074807
K21N01T	C2021	07	29.68660	19	53	06.05	-10	59	01.8	20.4 GVEO074E10
K21N01T	C2021	07	29.68748	19	53	05.84	-10	58	59.5	20.3 GVEO074E10
K21N01T	C2021	07	29.68925	19	53	05.44	-10	58	55.5	20.4 GVEO074E10
K21N01U	C2021	07	29.18802	22	32	21.20	-32	17	39.1	19.2 VuEO074807
K21N01U	C2021	07	29.19213	22	32	22.37	-32	17	42.5	19.4 VuEO074807
K21N01U	C2021	07	29.19425	22	32	23.00	-32	17	44.2	19.5 VuEO074807
K21N01U	KC2021	07	30.25952522	37	51.17	-32	32	05.0	18.9 GXEO074Y00	
K21N01U	KC2021	07	30.26231522	37	52.00	-32	32	07.3	19.2 GXEO074Y00	
K21N01U	KC2021	07	30.26559022	37	52.97	-32	32	09.3	19.2 GXEO074Y00	
K21N01W	C2021	07	29.15676	21	56	39.98	-42	52	53.5	20.4 VuEO074807
K21N01W	C2021	07	29.16512	21	56	40.73	-42	53	20.6	20.4 VuEO074807
K21N01W	C2021	07	29.17348	21	56	41.48	-42	53	48.6	20.0 VuEO074807
K21N01Y	C2021	07	31.34298816	24	45.973+02	54	09.83		20.81wUEO074F51	
K21N01Y	C2021	07	31.35452416	24	45.272+02	54	10.65		21.03wUEO074F51	
K21N01Y	C2021	07	31.36609416	24	44.572+02	54	11.40		20.94wUEO074F51	
K21N01Y	C2021	07	31.37767116	24	43.875+02	54	12.04		20.79wUEO074F51	
K21N03T	C2021	07	30.77073	21	43	27.81	-01	27	00.0	20.5 RqEO074D29
K21N03T	C2021	07	30.78487	21	43	30.78	-01	27	28.1	19.1 RqEO074D29
K21N03T	C2021	07	30.79901	21	43	33.77	-01	27	55.5	18.6 RqEO074D29
K21N05S	C2021	07	30.60129601	54	29.43	-22	07	08.4	18.12oVEO074T05	
K21N05S	C2021	07	30.60541301	54	30.78	-22	07	00.5	18.50oVEO074T05	
K21N05S	C2021	07	30.61553901	54	34.01	-22	06	40.4	18.61oVEO074T05	
K21N05S	C2021	07	30.62748701	54	37.69	-22	06	15.6	18.44oVEO074T05	
K21N05U	C2021	07	29.14829	21	57	04.39	-52	55	15.0	19.8 VuEO074807
K21N05U	C2021	07	29.14997	21	57	05.93	-52	55	16.2	19.6 VuEO074807
K21N05U	C2021	07	29.15167	21	57	07.52	-52	55	16.9	19.3 VuEO074807
K21N05Y	C2021	07	29.12163	20	58	31.07	-35	34	17.1	20.7 VuEO074807
K21N05Y	C2021	07	29.12999	20	58	30.56	-35	34	30.7	20.9 VuEO074807
K21N05Y	C2021	07	29.13842	20	58	30.07	-35	34	43.8	20.9 VuEO074807
K21N08S	C2021	07	29.05936	19	27	47.57	+01	04	05.1	19.5 VuEO074807
K21N08S	C2021	07	29.06379	19	27	46.32	+01	04	16.6	21.3 VuEO074807
K21N08S	C2021	07	29.06824	19	27	45.15	+01	04	28.4	18.8 VuEO074807
K21O00D	C2021	07	29.17922	22	15	25.15	-15	28	21.6	19.0 VuEO074807
K21O00D	C2021	07	29.18136	22	15	25.21	-15	28	35.0	19.4 VuEO074807
K21O00D	C2021	07	29.18345	22	15	25.30	-15	28	48.2	19.2 VuEO074807
K21O00F	KC2021	07	21.85707119	28	05.94	+47	34	21.1	18.8 VqEO074595	
K21O00F	KC2021	07	21.87073019	28	33.12	+47	34	57.9	19.0 VqEO074595	
K21O00F	1C2021	07	30.05293	00	49	33.79	+18	31	11.5	19.4 VVEO074033
K21O00F	1C2021	07	30.05321	00	49	34.17	+18	31	05.8	19.4 VVEO074033
K21O00F	1C2021	07	30.05350	00	49	34.48	+18	31	00.5	19.5 VVEO074033
K21O00S	KC2021	07	28.88856919	40	03.91	+23	50	29.9	17.9 RqEO074160	

K21000S	KC2021	07	28.89081519	40	02.19	+23	50	22.1	17.7	RqEO074160	
K21000S	KC2021	07	28.89304319	40	00.47	+23	50	14.7	18.1	RqEO074160	
K21000S	KC2021	07	29.85822	19	29	05.97	+22	55	35.9	18.5	GVEO074A17
K21000S	KC2021	07	29.86606	19	29	00.84	+22	55	09.8	18.9	GVEO074A17
K21000S	KC2021	07	29.87390	19	28	55.68	+22	54	45.1	18.6	GVEO074A17
K21000S	KC2021	07	29.89766919	28	38.58	+22	53	29.5	18.7	GVEO074L18	
K21000S	KC2021	07	29.90136819	28	36.12	+22	53	17.7	18.3	GVEO074L18	
K21000S	KC2021	07	29.90507219	28	33.70	+22	53	05.8	18.1	GVEO074L18	
K21000W	KC2021	07	28.86634319	29	10.20	-10	04	13.5	18.1	GVEO074G17	
K21000W	KC2021	07	28.87288619	29	14.16	-10	05	28.7	18.2	GVEO074G17	
K21000W	KC2021	07	28.89082819	29	24.98	-10	08	52.4	17.9	GVEO074G17	
K21000W	KC2021	07	28.97003219	30	13.45	-10	23	51.8		VEO074J69	
K21000W	KC2021	07	28.97697619	30	17.64	-10	25	10.1	18.3	GVEO074J69	
K21000W	KC2021	07	28.98391819	30	21.87	-10	26	28.0	17.9	GVEO074J69	
K21000W	_C2021	07	29.03249	19	30	51.69	-10	35	09.3	18.1	GVEO074G40
K21000W	_C2021	07	29.03938	19	30	55.78	-10	36	25.9	18.0	GVEO074G40
K21000W	KC2021	07	29.87604419	39	21.63	-13	05	17.7	18.1	GVEO074203	
K21000W	KC2021	07	29.88348819	39	24.52	-13	06	37.0	18.2	GVEO074L18	
K21000W	KC2021	07	29.88497319	39	26.61	-13	06	48.6	18.0	GVEO074203	
K21000W	KC2021	07	29.88626419	39	26.06	-13	07	05.1	18.3	GVEO074L18	
K21000W	KC2021	07	29.88904219	39	27.65	-13	07	33.0	17.7	GVEO074L18	
K21000W	KC2021	07	29.89312619	39	31.16	-13	08	11.8	18.4	GVEO074203	
K21000W	KC2021	07	30.16706	19	42	06.87	-13	52	22.3	18.4	GVEO074W95
K21000W	KC2021	07	30.17229	19	42	09.69	-13	53	13.8	17.8	GVEO074W95
K21000W	KC2021	07	30.17750	19	42	12.46	-13	54	04.6	18.2	GVEO074W95
K21000W	C2021	07	30.42949419	44	33.73	-14	35	43.8	17.73	oVEO074T05	
K21000W	C2021	07	30.43365819	44	35.94	-14	36	23.2	18.17	oVEO074T05	
K21000W	C2021	07	30.43969619	44	39.06	-14	37	20.5	18.13	oVEO074T05	
K21000W	C2021	07	30.46954619	44	54.69	-14	42	02.8	17.99	oVEO074T05	
K21000Z	C2021	07	28.58897700	35	14.02	-26	46	59.3	18.04	oVEO074T08	
K21000Z	C2021	07	28.58943900	35	13.55	-26	46	53.1	18.60	oVEO074T08	
K21000Z	C2021	07	28.58989900	35	12.98	-26	46	45.6	18.34	oVEO074T08	
K21000Z	C2021	07	28.59035900	35	12.51	-26	46	39.5	18.06	oVEO074T08	
K21000Z	C2021	07	28.59081900	35	12.03	-26	46	33.8	18.25	oVEO074T08	
K21000Z	5C2021	07	30.31138	00	04	31.91	-18	53	56.5	18.0	GVEO074W88
K21000Z	5C2021	07	30.31464	00	04	27.94	-18	52	55.8	17.6	GVEO074W88
K21000Z	5C2021	07	30.32163	00	04	19.47	-18	50	46.5	18.5	GVEO074W88
K21000Z	C2021	07	30.53805800	00	15.27	-17	46	02.6	17.44	oVEO074T05	
K21000Z	C2021	07	30.53988700	00	12.99	-17	45	27.6	17.19	oVEO074T05	
K21000Z	C2021	07	30.54541900	00	06.18	-17	43	42.4	17.30	oVEO074T05	
K21000Z	C2021	07	30.55557123	59	53.66	-17	40	29.2	17.53	oVEO074T05	
K21001A	1C2021	07	30.09178	21	17	23.38	-06	35	05.5	19.8	VVEO074033
K21001A	1C2021	07	30.09207	21	17	23.60	-06	35	06.7	19.7	VVEO074033
K21001A	1C2021	07	30.09235	21	17	23.82	-06	35	07.9	19.8	VVEO074033
00433	C2021	07	30.31850316	58	00.72	-30	12	23.2	12.66	oVEO074T05	
00433	C2021	07	30.32170616	58	00.72	-30	12	21.0	12.71	oVEO074T05	
00433	C2021	07	30.32857716	58	00.74	-30	12	16.3	12.93	oVEO074T05	
00433	C2021	07	30.33865916	58	00.77	-30	12	09.1	13.08	oVEO074T05	
01943	C2021	07	30.57285623	46	08.82	+20	50	11.9	16.54	oVEO074T08	
01943	C2021	07	30.58005923	46	08.61	+20	50	15.8	16.55	oVEO074T08	
01943	C2021	07	30.58441123	46	08.48	+20	50	17.9	16.54	oVEO074T08	
01943	C2021	07	30.60174823	46	07.97	+20	50	27.1	16.41	oVEO074T08	
01943	C2021	07	30.62397723	46	07.32	+20	50	38.6	16.43	oVEO074T08	
03103	C2021	07	23.75482	01	19	32.56	+01	21	26.1	15.5	RqEO074D29
03103	C2021	07	23.76492	01	19	37.98	+01	21	01.4	15.1	RqEO074D29
04183	C2021	07	30.38376022	56	43.48	-00	24	16.2	19.14	gUEO074I41	
04183	C2021	07	30.40051022	56	42.59	-00	24	19.1	19.25	gUEO074I41	
04183	C2021	07	30.44101022	56	40.48	-00	24	26.1	18.52	rUEO074I41	
04183	C2021	07	30.44289022	56	40.39	-00	24	26.3	18.19	rUEO074I41	
04183	C2021	07	30.45727022	56	39.64	-00	24	28.8	18.60	rUEO074I41	
04183	C2021	07	30.54263822	56	35.32	-00	24	42.63	18.50	iUEO074F51	
04183	C2021	07	30.55592522	56	34.62	-00	24	44.90	18.45	iUEO074F51	
04183	C2021	07	30.56924722	56	33.92	-00	24	47.16	18.46	iUEO074F51	
04183	C2021	07	30.58258722	56	33.21	-00	24	49.48	18.52	iUEO074F51	
04197	C2021	07	29.90442	13	16	07.42	-21	55	15.4	18.6	RqEO074Y00
04197	C2021	07	29.91440	13	16	09.50	-21	55	26.4	18.4	RqEO074Y00
04197	C2021	07	29.92472	13	16	11.58	-21	55	37.3	18.6	RqEO074Y00
04953	C2021	07	30.15987	20	35	21.91	-52	11	13.2	18.0	RoEO074W92
04953	C2021	07	30.16449	20	35	21.17	-52	11	14.7	17.9	RoEO074W92
04954	C2021	07	31.05756	19	45	11.90	-51	33	12.0		qEO074834
04954	C2021	07	31.10167	19	45	05.59	-51	33	04.6		qEO074834
05731	C2021	07	30.48850321	37	26.08	-03	54	09.89	20.97	iUEO074F51	
05731	C2021	07	30.50101021	37	25.37	-03	54	11.79	21.09	iUEO074F51	
05731	C2021	07	30.52600321	37	23.99	-03	54	15.76	20.95	iUEO074F51	
06611	C2021	07	30.79194	21	47	51.06	+01	48	41.9	19.8	RqEO074D29
06611	C2021	07	30.80608	21	47	49.98	+01	48	37.6	20.0	RqEO074D29
10636	C2021	07	30.49306421	49	02.33	+00	34	45.51	20.31	iUEO074F51	
10636	C2021	07	30.50555121	49	01.54	+00	34	40.96	20.49	iUEO074F51	
10636	C2021	07	30.51804521	49	00.75	+00	34	36.55	20.49	iUEO074F51	
10636	C2021	07	30.53056921	48	59.93	+00	34	31.79	20.65	iUEO074F51	
16960	C2021	07	30.58628600	22	43.66	+27	29	17.7	18.37	oVEO074T08	
16960	C2021	07	30.58969300	22	43.65	+27	29	20.0	18.31	oVEO074T08	
16960	C2021	07	30.60547600	22	43.62	+27	29	31.5	18.39	oVEO074T08	
16960	C2021	07	30.61731500	22	43.57	+27	29	39.3	18.48	oVEO074T08	
24443	C2021	07	30.41000016	29	25.49	+25	48	39.6	18.30	oVEO074T08	
24443	C2021	07	30.42807416	29	22.89	+25	48	25.0	18.22	oVEO074T08	
24443	C2021	07	30.43133816	29	22.47	+25	48	22.5	18.31	oVEO074T08	
24443	C2021	07	30.44115516	29	21.01	+25	48	14.4	18.25	oVEO074T08	
37336	C2021	07	30.30710514	29	47.68	+10	13	43.6	19.39	cVEO074T08	
37336	C2021	07	30.30802314	29	47.74	+10	13	42.7	19.20	cVEO074T08	
37336	C2021	07	30.31033414	29	47.86	+10	13	42.9	19.00	cVEO074T08	
37336	C2021	07	30.31125514	29	47.90	+10	13	43.6	19.04	cVEO074T08	
37336	C2021	07	30.31632114	29	48.16	+10	13	44.6	18.84	cVEO074T08	
37336	C2021	07	30.31724314	29	48.25	+10	13	44.6	19.38	cVEO074T08	

C2021 07 30.33524514	29	49.29	+10	13	47.9	19.13cVEO074T08
37336 C2021 07 30.33616714	29	49.32	+10	13	47.0	19.02cVEO074T08
66391 C2021 07 30.28263013	21	20.56	+08	20	58.1	18.81cVEO074T08
66391 C2021 07 30.28819513	21	21.15	+08	20	58.7	18.96cVEO074T08
66391 C2021 07 30.29097613	21	21.44	+08	20	59.1	18.72cVEO074T08
66391 C2021 07 30.30249913	21	22.66	+08	20	59.4	18.95cVEO074T08
67367 C2021 07 30.30290616	14	34.04	-16	41	30.9	18.71oVEO074T05
67367 C2021 07 30.30612816	14	34.08	-16	41	30.9	18.90oVEO074T05
67367 C2021 07 30.31301616	14	34.31	-16	41	29.3	18.79oVEO074T05
67367 C2021 07 30.32582616	14	34.69	-16	41	26.4	18.45oVEO074T05
68063 C2021 07 28.37759021	52	48.05	-12	00	24.9	15.52gUEO074I41
68063 C2021 07 28.37856021	52	48.06	-12	00	23.8	15.56gUEO074I41
68063 C2021 07 28.46214021	52	48.97	-11	58	59.4	16.22iUEO074I41
68063 C2021 07 30.38470021	53	21.66	-11	26	15.5	15.37gUEO074I41
68063 C2021 07 30.44431021	53	22.12	-11	25	13.3	14.71rUEO074I41
68063 C2021 07 30.45008221	53	23.04	-11	25	03.6	14.73oVEO074T05
68063 C2021 07 30.45191221	53	23.05	-11	25	01.8	14.75oVEO074T05
68063 C2021 07 30.45465821	53	23.06	-11	24	59.0	14.77oVEO074T05
68063 C2021 07 30.46151721	53	23.11	-11	24	51.9	14.82oVEO074T05
68063 C2021 07 30.46659921	53	23.15	-11	24	46.6	14.81oVEO074T05
85709 C2021 07 30.34934023	22	04.21	+26	28	20.3	17.78iUEO074I41
85709 C2021 07 30.38141023	22	03.17	+26	28	05.6	18.49gUEO074I41
85709 C2021 07 30.43034023	22	01.58	+26	27	42.8	18.57gUEO074I41
85709 C2021 07 30.45488023	22	00.76	+26	27	31.4	17.90rUEO074I41
85709 C2021 07 30.56386823	21	57.54	+26	26	42.0	17.98oVEO074T08
85709 C2021 07 30.56911723	21	57.36	+26	26	39.3	17.91oVEO074T08
85709 C2021 07 30.57331523	21	57.24	+26	26	37.4	17.91oVEO074T08
85709 C2021 07 30.58342223	21	56.89	+26	26	32.6	17.81oVEO074T08
86067 C2021 07 30.50002822	38	34.23	-14	46	14.1	18.06oVEO074T05
86067 C2021 07 30.50185822	38	34.18	-14	46	16.7	18.51oVEO074T05
86067 C2021 07 30.50460222	38	34.12	-14	46	21.2	18.45oVEO074T05
86067 C2021 07 30.50966922	38	33.98	-14	46	30.2	18.61oVEO074T05
87309 KC2021 07 30.90851 18	44	54.57	+06	04	28.1	16.3 GXEO074J57
87309 KC2021 07 30.97672 18	44	28.41	+06	07	27.9	15.5 GXEO074J57
87309 KC2021 07 31.03205 18	44	07.33	+06	09	53.2	16.3 GXEO074J57
D7170 C2021 07 30.24437211	30	11.38	+17	22	58.1	17.23cVEO074T08
D7170 C2021 07 30.26604611	30	15.74	+17	22	39.4	17.54cVEO074T08
D7170 C2021 07 30.26788911	30	16.13	+17	22	38.1	17.31cVEO074T08
E0158 C2021 07 30.35344718	08	05.52	-22	01	08.0	18.67oVEO074T05
E0158 C2021 07 30.35666318	08	05.49	-22	01	09.3	18.98oVEO074T05
E0158 C2021 07 30.36215018	08	05.45	-22	01	10.5	18.85oVEO074T05
E0158 C2021 07 30.37226318	08	05.33	-22	01	13.2	18.56oVEO074T05
F9857 C2021 07 30.93450 17	15	51.16	+33	20	35.1	15.2 RVEO074L92
F9857 C2021 07 30.93745 17	15	50.78	+33	20	38.4	15.3 RVEO074L92
F9857 C2021 07 30.94113 17	15	50.32	+33	20	42.9	15.3 RVEO074L92
F9857 C2021 07 30.94481 17	15	49.95	+33	20	47.7	15.5 RVEO074L92
F9857 C2021 07 30.94850 17	15	49.48	+33	20	52.1	15.3 RVEO074L92
F9857 C2021 07 30.95218 17	15	49.04	+33	20	57.1	15.4 RVEO074L92
F9857 C2021 07 30.95586 17	15	48.62	+33	21	01.2	15.3 RVEO074L92
G4211 KC2019 05 04.99061314	56	34.86	-14	25	02.7	18.6 GVEO074C95
H4050 C2021 07 23.55543 15	34	56.16	+46	02	44.9	20.0 RqEO074D29
H4050 C2021 07 23.56553 15	34	57.14	+46	02	09.3	20.2 RqEO074D29
K7398 C2021 07 30.60824 20	21	50.64	-19	30	08.9	18.4 RqEO074D29
K7398 C2021 07 30.62238 20	21	49.15	-19	30	16.7	19.1 RqEO074D29
K7398 C2021 07 30.63652 20	21	47.64	-19	30	26.1	19.2 RqEO074D29
M0839 C2021 07 30.61089 20	21	38.40	-21	04	35.4	19.6 RqEO074D29
M0839 C2021 07 30.62503 20	21	37.14	-21	04	40.9	20.4 RqEO074D29
M0839 C2021 07 30.63917 20	21	35.91	-21	04	45.0	19.7 RqEO074D29
N2382 C2021 07 30.41433023	11	55.68	-12	23	12.1	19.73gUEO074I41
N2382 C2021 07 30.41670023	11	55.53	-12	23	12.4	19.54gUEO074I41
N2382 C2021 07 30.41865023	11	55.40	-12	23	12.9	19.71gUEO074I41
N2382 C2021 07 30.45774023	11	52.88	-12	23	19.1	18.96rUEO074I41
N7442 C2021 07 30.53805 14	15	22.23	+14	28	43.2	19.7 RqEO074D29
N7442 C2021 07 30.55219 14	15	24.48	+14	28	40.9	19.2 RqEO074D29
S3460 C2021 07 30.49240421	54	27.011-02	11	35.34		18.12iUEO074F51
S3460 C2021 07 30.50489721	54	26.901-02	11	21.89		18.15iUEO074F51
S3460 C2021 07 30.51739621	54	26.799-02	11	08.34		18.15iUEO074F51
S3460 C2021 07 30.52991321	54	26.694-02	10	54.83		18.10iUEO074F51
S3460 C2021 07 30.77868 21	54	26.25	-02	06	29.8	18.1 RqEO074D29
S3460 C2021 07 30.79282 21	54	26.13	-02	06	14.5	18.0 RqEO074D29
S3460 C2021 07 30.80697 21	54	26.03	-02	05	59.0	18.1 RqEO074D29
S5571 1C2021 07 28.82900 20	23	34.93	+12	39	56.8	14.2 GVEO074186
S5571 1C2021 07 28.82938 20	23	34.98	+12	40	01.2	14.2 GVEO074186
S5571 1C2021 07 28.88627 20	23	45.34	+12	50	45.9	14.0 GVEO074186
S5571 1C2021 07 28.88664 20	23	45.41	+12	50	50.2	14.0 GVEO074186
S5571 KC2021 07 29.85908320	27	18.60	+15	50	10.6	13.9 VqEO074L68
S5571 KC2021 07 29.87093820	27	20.66	+15	52	16.0	14.1 VqEO074L68
S5571 KC2021 07 29.88149820	27	22.47	+15	54	07.5	14.3 VqEO074L68
S5571 C2021 07 29.90958 20	27	27.65	+15	56	38.1	14.0 GXEO074G02
S5571 C2021 07 29.91647 20	27	28.88	+15	57	50.8	14.1 GXEO074G02
S5571 KC2021 07 29.92567 20	27	30.53	+15	59	27.5	14.2 GXEO074G02
S5571 C2021 07 30.47608520	29	21.43	+17	34	14.4	14.24oVEO074T08
S5571 C2021 07 30.47992820	29	22.05	+17	34	52.6	14.23oVEO074T08
S5571 C2021 07 30.50049020	29	25.38	+17	38	16.7	14.17oVEO074T08
S5571 C2021 07 30.51551720	29	27.85	+17	40	45.4	14.12oVEO074T08
S5571 1C2021 07 30.71926 20	30	15.98	+18	13	44.7	14.6 GVEO074186
S5571 1C2021 07 30.71998 20	30	16.10	+18	13	52.3	14.5 GVEO074186
S5571 1C2021 07 30.88495 20	30	43.51	+18	40	40.5	14.4 GVEO074186
S5571 1C2021 07 30.88567 20	30	43.65	+18	40	48.2	14.3 GVEO074186
W6732 C2021 07 29.87144 21	24	22.98	+11	08	21.8	15.1 GXEO074G02
W6732 C2021 07 29.87838 21	24	24.87	+11	08	14.5	15.1 GXEO074G02
W6732 C2021 07 29.89789 21	24	30.19	+11	07	54.2	15.0 GXEO074G02
W6732 C2021 07 30.50287521	27	19.55	+10	57	21.1	15.02oVEO074T08
W6732 C2021 07 30.52050021	27	24.18	+10	57	01.2	14.99oVEO074T08

W6732	C2021	07	30.52937821	27	26.51	+10	56	51.1	14.97	o	VEO074T08
W6732	C2021	07	30.54260121	27	29.99	+10	56	36.2	15.00	o	VEO074T08
W6732	C2021	07	30.732229	21	28	24.58	+10	52	52.7	14.5	RqEO074D29
W6732	C2021	07	30.74644	21	28	28.32	+10	52	36.5	15.6	RqEO074D29
W6732	C2021	07	30.76058	21	28	32.05	+10	52	20.4	15.2	RqEO074D29
W6732	1C2021	07	30.77249	21	28	38.43	+10	51	54.1	15.3	GVEO074C40
W6732	1C2021	07	30.78712	21	28	42.42	+10	51	38.3	15.3	GVEO074C40
W6732	1C2021	07	30.79297	21	28	44.02	+10	51	31.7	15.9	GVEO074C40
W6732	1C2021	07	30.79396	21	28	44.30	+10	51	30.8	15.3	GVEO074C40
W6732	1C2021	07	30.79493	21	28	44.55	+10	51	29.7	15.1	GVEO074C40
W6732	1C2021	07	30.79590	21	28	44.82	+10	51	28.6	15.2	GVEO074C40
W6732	1C2021	07	30.80016	21	28	45.97	+10	51	24.1	15.2	GVEO074C40
W6732	1C2021	07	30.80115	21	28	46.24	+10	51	23.2	15.2	GVEO074C40
W6732	1C2021	07	30.80212	21	28	46.51	+10	51	21.8	15.3	GVEO074C40
W6732	1C2021	07	30.80700	21	28	47.84	+10	51	16.5	15.2	GVEO074C40
W6732	1C2021	07	30.80797	21	28	48.10	+10	51	15.5	15.4	GVEO074C40
W6732	1C2021	07	30.81090	21	28	48.90	+10	51	12.3	15.3	GVEO074C40
W6732	1C2021	07	30.81480	21	28	49.95	+10	51	07.8	15.3	GVEO074C40
W6732	1C2021	07	30.81578	21	28	50.21	+10	51	06.8	15.2	GVEO074C40
W6732	1C2021	07	30.82066	21	28	51.53	+10	51	01.4	15.2	GVEO074C40
W6732	1C2021	07	30.82163	21	28	51.79	+10	51	00.5	15.3	GVEO074C40
W6732	1C2021	07	30.82262	21	28	52.06	+10	50	59.2	15.3	GVEO074C40
W6732	1C2021	07	30.82359	21	28	52.32	+10	50	58.1	15.3	GVEO074C40
W6732	1C2021	07	30.82456	21	28	52.58	+10	50	57.0	15.2	GVEO074C40
W6732	1C2021	07	30.82554	21	28	52.85	+10	50	56.0	15.3	GVEO074C40
W6732	1C2021	07	30.82652	21	28	53.11	+10	50	54.9	15.3	GVEO074C40
W6732	1C2021	07	30.82847	21	28	53.63	+10	50	52.7	15.1	GVEO074C40
W6732	1C2021	07	30.82979	21	28	53.99	+10	50	51.3	15.2	GVEO074C40
W6732	1C2021	07	30.83076	21	28	54.26	+10	50	50.3	15.3	GVEO074C40
W6732	1C2021	07	30.83174	21	28	54.51	+10	50	49.2	15.2	GVEO074C40
W6732	1C2021	07	30.83272	21	28	54.77	+10	50	48.0	15.2	GVEO074C40
W6732	1C2021	07	30.83369	21	28	55.03	+10	50	47.0	15.3	GVEO074C40
W6732	1C2021	07	30.83466	21	28	55.30	+10	50	45.8	15.2	GVEO074C40
W6732	1C2021	07	30.83565	21	28	55.56	+10	50	44.8	15.3	GVEO074C40
W6732	1C2021	07	30.83662	21	28	55.82	+10	50	43.6	15.3	GVEO074C40
W6732	1C2021	07	30.83759	21	28	56.09	+10	50	42.5	15.3	GVEO074C40
W6732	1C2021	07	30.83955	21	28	56.62	+10	50	40.4	15.1	GVEO074C40
W6732	1C2021	07	30.84052	21	28	56.88	+10	50	39.3	15.3	GVEO074C40
W6732	1C2021	07	30.84150	21	28	57.14	+10	50	38.4	15.2	GVEO074C40
W6732	1C2021	07	30.84248	21	28	57.40	+10	50	37.2	15.3	GVEO074C40
W6732	1C2021	07	30.84541	21	28	58.19	+10	50	33.9	15.2	GVEO074C40
W6732	1C2021	07	30.84638	21	28	58.45	+10	50	32.8	15.3	GVEO074C40
W6732	1C2021	07	30.84736	21	28	58.71	+10	50	31.8	15.3	GVEO074C40
W6732	1C2021	07	30.84833	21	28	58.97	+10	50	30.5	15.3	GVEO074C40
W6732	1C2021	07	30.85223	21	29	00.01	+10	50	26.2	15.2	GVEO074C40
W6732	1C2021	07	30.85321	21	29	00.28	+10	50	25.2	15.2	GVEO074C40
Y8314	C2021	07	30.31770414	52	28.35	+03	18	27.0	17.01	c	VEO074T08
Y8314	C2021	07	30.32184814	52	28.31	+03	19	05.7	16.82	c	VEO074T08
Y8314	C2021	07	30.33754614	52	28.16	+03	21	32.8	16.88	c	VEO074T08
Y8314	C2021	07	30.34308214	52	28.09	+03	22	24.6	16.91	c	VEO074T08
Y8314	C2021	07	30.38036814	52	27.81	+03	28	13.0	16.98	c	VEO074T08
a6733	C2021	07	31.29123315	06	32.346	+03	05	21.76	20.31	w	UEO074F51
a6733	C2021	07	31.30333615	06	33.014	+03	04	49.97	20.22	w	UEO074F51
a6733	C2021	07	31.31550015	06	33.689	+03	04	18.00	20.09	w	UEO074F51
a6733	C2021	07	31.32764915	06	34.368	+03	03	46.02	20.09	w	UEO074F51
f1201	C2021	07	30.54393622	50	03.276	+04	30	27.35	19.82	i	UEO074F51
f1201	C2021	07	30.55724322	50	02.804	+04	30	24.00	19.77	i	UEO074F51
f1201	C2021	07	30.57055022	50	02.325	+04	30	20.53	19.84	i	UEO074F51
f1201	C2021	07	30.58387822	50	01.861	+04	30	17.20	19.98	i	UEO074F51
f4286	C2021	07	30.53098	13	58	04.11	+22	37	50.9	19.0	RqEO074D29
f4286	C2021	07	30.54512	13	58	06.97	+22	37	31.1	19.6	RqEO074D29
i5267	C2021	07	30.42537419	47	07.48	-21	50	02.5	17.30	o	VEO074T05
i5267	C2021	07	30.42858019	47	07.79	-21	50	09.3	17.35	o	VEO074T05
i5267	C2021	07	30.43596519	47	08.58	-21	50	24.5	17.39	o	VEO074T05
i5267	C2021	07	30.46815019	47	11.86	-21	51	31.0	17.92	o	VEO074T05
m3471	C2021	07	30.30848514	13	24.71	+18	23	30.1	18.36	c	VEO074T08
m3471	C2021	07	30.31493814	13	21.61	+18	23	46.7	18.38	c	VEO074T08
m3471	C2021	07	30.32692214	13	15.95	+18	24	16.8	18.41	c	VEO074T08
m3471	C2021	07	30.35462114	13	02.82	+18	25	27.3	18.29	c	VEO074T08
m3471	C2021	07	30.35877914	13	00.88	+18	25	38.4	18.33	c	VEO074T08
m3471	C2021	07	30.36670014	12	57.12	+18	25	58.3	18.51	c	VEO074T08
m3471	C2021	07	30.37568614	12	52.89	+18	26	20.3	18.32	c	VEO074T08
m3471	C2021	07	30.53451	14	11	39.42	+18	33	09.4	17.9	RqEO074D29
m3471	C2021	07	30.54865	14	11	32.68	+18	33	45.3	17.8	RqEO074D29
m3471	C2021	07	30.56280	14	11	25.96	+18	34	21.2	18.0	RqEO074D29
o6459	C2021	07	30.26464612	53	25.98	+19	54	48.6	18.34	c	VEO074T08
o6459	C2021	07	30.26742912	53	25.32	+19	54	23.4	18.13	c	VEO074T08
o6459	C2021	07	30.27387512	53	23.81	+19	53	26.2	18.60	c	VEO074T08
o6779	C2021	07	30.54070	13	56	49.59	+12	07	57.4	19.9	RqEO074D29
o6779	C2021	07	30.56898	13	56	53.93	+12	06	51.6	20.3	RqEO074D29
t8307	C2021	07	31.34652316	48	44.863	+02	48	55.85	20.78	w	UEO074F51
t8307	C2021	07	31.34781416	48	44.907	+02	48	54.34	20.71	w	UEO074F51
t8307	C2021	07	31.35800016	48	45.317	+02	48	41.54	20.76	w	UEO074F51
t8307	C2021	07	31.35930416	48	45.366	+02	48	39.91	20.79	w	UEO074F51
t8307	C2021	07	31.36958916	48	45.794	+02	48	26.88	20.72	w	UEO074F51
t8307	C2021	07	31.37091016	48	45.836	+02	48	25.42	20.71	w	UEO074F51
t8307	C2021	07	31.38248416	48	46.305	+02	48	10.67	20.76	w	UEO074F51

MPEC number:

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

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