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MPEC 2021-Q38 : DAILY ORBIT UPDATE (2021 August 20)

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M.P.E.C. 2021-Q38

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DAILY ORBIT UPDATE (2021 August 20)

Update to 2021-Q37

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

New identifications:

K04RP1W	K10089U	Doppler	
K10MB0L	K21009P	Doppler	
K10M07Z	K10RL5E	Doppler	
K10N83H	K11WI1G	Doppler	
K13AK4C	K10LF4D	Doppler	
K14B27Q	K16N53E	Doppler	
K03WI2P	K14Wx9K	Doppler	
K15Fi9L	K100F0J	Doppler	
K10L73A	K16TH0A	Doppler	
K16W74A	K100E6T	K15TI1L	Doppler
K07V00N	K17W65G	Doppler	
K10MA7N	K18B28R	Doppler	
K18VE7J	K10LE9X	Doppler	
K10JC5X	K19C18Z	Doppler	
K10K27E	K19GB4F	Doppler	
K10O44S	K19N72W	Doppler	
K19P64W	K10OD1Q	Doppler	
K20HB9O	K10HD2F	Doppler	
K10MA9Q	K20K36U	Doppler	
K18B05R	K21M10W	Doppler	
K13AH9O	K21N11L	Doppler	
K10L72N	K21N17B	Doppler	
K10O45V	K21N17T	Doppler	
K16S06R	K21O09N	Doppler	

New old-numbered orbit:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
S5571	17.6	0.15	K2175	351.823	6.937	297.212	13.477	0.43199	1.90395	10	V

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J94R06H	18.8	0.15	K2175	6.869	98.435	212.485	1.141	0.22846	2.25146	4	X
J95S47F	16.7	0.15	K2175	299.782	234.052	179.775	11.005	0.11691	3.01468	10	X
J96X07T	16.6	0.15	K2175	125.950	109.842	170.257	3.406	0.03285	2.90334	15	X
J97T03D	17.2	0.15	K2175	341.965	221.536	202.717	13.261	0.21808	2.81383	6	X

J98B18M	17.5	0.15	K2175	274.023	99.467	332.824	3.162	0.05915	2.58696	10	X
J98K11F	18.6	0.15	K2175	25.895	116.916	159.616	11.249	0.29581	2.73427	4	X
J98R14L	16.9	0.15	K2175	324.507	47.859	339.971	5.649	0.14512	3.20484	7	X
J98S39B	17.4	0.15	K2175	349.920	239.175	178.264	10.398	0.21458	3.14668	6	X
J99F96Z	17.2	0.15	K2175	64.832	47.951	198.356	3.263	0.24216	2.61662	10	X
J99H13O	17.4	0.15	K2175	31.059	158.657	192.547	13.687	0.16462	2.54132	6	X
J99RQ0A	17.5	0.15	K2175	311.066	49.649	347.596	9.962	0.11565	2.68231	8	X
J99T56L	18.2	0.15	K2175	10.796	110.652	195.256	1.633	0.18090	2.39550	8	X
J99TY1A	18.2	0.15	K2175	31.313	348.092	310.690	6.868	0.09484	2.38521	9	X
J99TY1P	15.9	0.15	K2175	18.755	181.531	110.240	17.307	0.18707	3.17694	11	X
K00CF1R	17.3	0.15	K2175	340.694	46.644	315.457	2.763	0.11051	2.79021	12	X
K00L10G	17.6	0.15	K2175	330.259	146.215	215.839	8.296	0.23784	2.30664	7	X
K00Q07C	16.8	0.15	K2175	3.240	167.165	149.261	14.958	0.26174	2.59765	11	X
K00QP7R	18.8	0.15	K2175	356.449	152.184	176.229	1.890	0.22079	2.30063	5	X
K00S34N	17.2	0.15	K2175	339.295	2.645	3.822	6.413	0.26068	2.60084	8	X
K00T76V	18.0	0.15	K2175	33.673	145.598	148.095	2.118	0.03882	2.61982	9	X
K01D95L	18.2	0.15	K2175	242.248	293.326	157.157	23.282	0.09935	1.94132	6	X
K01E00C	18.6	0.15	K2175	332.593	115.708	316.102	0.606	0.76505	2.59819	4	X
K01FJ7X	17.5	0.15	K2175	311.540	42.813	1.439	9.924	0.14427	2.72160	8	X
K01FN4L	18.9	0.15	K2175	321.046	43.245	0.990	6.866	0.32337	2.69521	4	X
K01K82C	17.3	0.15	K2175	61.042	272.846	352.445	1.485	0.05594	2.92959	10	X
K01P13O	19.0	0.15	K2175	343.739	222.882	107.747	3.708	0.34106	2.23399	5	X
K01SI4V	18.5	0.15	K2175	3.092	152.866	171.601	5.135	0.18239	2.22548	6	X
K01W15U	18.8	0.15	K2175	347.083	154.352	186.345	2.432	0.29916	2.25018	5	X
K02AL2A	17.5	0.15	K2175	271.775	71.031	8.979	21.299	0.14760	2.59578	5	X
K02CW3S	17.6	0.15	K2175	255.853	100.251	341.623	5.023	0.05396	2.63837	9	X
K02CW5T	18.6	0.15	K2175	325.287	40.177	350.052	9.005	0.22260	2.60211	3	X
K02F42Y	18.1	0.15	K2175	303.144	296.969	109.614	1.297	0.07121	2.60818	6	X
K02JF0N	17.8	0.15	K2175	29.355	196.260	70.827	10.314	0.24989	2.78313	3	X
K02Q24O	18.2	0.15	K2175	358.364	157.695	146.330	16.226	0.33466	2.43793	5	X
K02Q46G	19.6	0.15	K2175	6.202	268.669	345.519	8.307	0.63102	2.42920	4	X
K02QA1Y	18.4	0.15	K2175	28.183	310.030	348.296	3.796	0.16776	2.42630	5	X
K02QB4F	16.8	0.15	K2175	49.405	161.203	184.528	9.659	0.10327	2.73549	11	X
K02RE7R	18.0	0.15	K2175	356.905	171.862	166.806	4.545	0.16084	2.43207	9	X
K02S40J	17.6	0.15	K2175	29.377	185.758	157.686	4.277	0.28413	2.77811	7	X
K02T92M	15.5	0.15	K2175	26.005	125.820	191.511	14.270	0.06492	3.44359	12	X
K02TU7U	17.0	0.15	K2175	69.203	289.313	183.108	21.416	0.26582	3.14253	5	X
K02W25Y	17.1	0.15	K2175	347.655	229.927	186.767	4.766	0.15397	2.80588	8	X
K03E64A	17.4	0.15	K2175	15.645	200.933	93.508	9.211	0.11344	2.62813	7	X
K03E64Z	17.0	0.15	K2175	2.964	241.383	140.107	8.385	0.23608	2.52455	8	X
K03P12X	18.2	0.15	K2175	359.676	163.578	167.421	2.791	0.30172	2.70929	4	X
K03SO3K	17.9	0.15	K2175	344.912	4.837	357.380	8.922	0.12588	2.72110	3	X
K03SX2Q	17.1	0.15	K2175	339.073	204.490	155.585	11.607	0.31230	2.74329	4	X
K03SZ5F	18.3	0.15	K2175	354.499	185.159	154.920	5.123	0.14646	2.35254	6	X
K03Si4U	17.6	0.15	K2175	46.523	11.431	263.985	3.308	0.18387	2.72600	7	X
K03S12R	16.9	0.15	K2175	131.231	307.858	26.071	10.231	0.08886	3.11079	5	V
K03T59Y	17.2	0.15	K2175	245.675	60.541	51.354	11.448	0.17964	2.77267	9	X
K03T63U	17.1	0.15	K2175	68.239	296.326	318.731	6.770	0.17410	2.74645	10	X
K03UL5F	17.4	0.15	K2175	40.912	179.562	159.137	2.874	0.18260	2.68832	8	X
K03UX4A	17.4	0.15	K2175	255.008	102.154	1.795	15.130	0.12916	2.72438	7	X
K03UY7Z	17.9	0.15	K2175	322.333	313.056	128.334	2.388	0.16641	2.31418	12	X
K03WI2P	16.6	0.15	K2175	158.815	257.375	51.760	3.486	0.11181	3.11924	3	V
K04E06U	18.1	0.15	K2175	172.724	167.707	353.266	19.555	0.05594	1.93243	7	X
K04EA5B	16.9	0.15	K2175	246.440	289.908	164.531	9.591	0.07283	2.91603	10	X
K04FH0V	17.3	0.15	K2175	27.884	172.572	97.576	8.763	0.20489	2.55860	8	X
K04FH4N	17.3	0.15	K2175	130.722	329.263	236.891	5.402	0.15244	2.93456	7	X
K04O10P	17.7	0.15	K2175	338.835	246.420	133.495	28.624	0.48870	2.62196	3	X
K04P47Y	16.5	0.15	K2175	349.122	180.334	145.402	16.047	0.21140	2.61754	12	X
K04P64D	17.4	0.15	K2175	352.711	287.136	109.371	2.674	0.24677	2.56180	8	X
K04P97F	17.7	0.15	K2175	354.924	354.730	338.936	4.508	0.31226	2.62032	6	X
K04PB9R	18.9	0.15	K2175	327.365	62.039	323.401	2.639	0.29208	2.61179	3	X
K04Q34Y	17.3	0.15	K2175	8.998	323.518	355.185	7.154	0.24593	2.60763	5	X
K04RK7F	16.8	0.15	K2175	349.430	106.835	223.387	11.890	0.29173	2.62422	8	X
K04RK8K	17.1	0.15	K2175	11.138	36.836	296.112	12.986	0.29378	2.60260	8	X
K04RM2P	16.8	0.15	K2175	338.754	69.132	307.595	18.099	0.42473	3.20534	4	X
K04RP1W	17.3	0.15	K2175	342.009	199.913	167.107	11.027	0.24794	3.16930	3	V
K04RS2T	17.6	0.15	K2175	1.857	334.488	359.813	2.105	0.19101	2.61750	7	X
K04RZ1T	18.5	0.15	K2175	316.091	47.460	333.408	1.588	0.11176	2.62992	6	X
K04S62X	17.5	0.15	K2175	12.225	155.154	168.877	11.986	0.12192	2.62995	8	X
K04T38F	17.9	0.15	K2175	5.962	292.214	32.973	2.569	0.21250	2.63451	6	X
K04TV5T	17.4	0.15	K2175	24.502	299.232	1.300	1.583	0.19497	2.63733	13	X
K04Tb4E	16.7	0.15	K2175	275.587	238.805	203.360	9.224	0.10434	3.20600	9	X
K04XG9J	15.9	0.15	K2175	70.153	263.899	66.132	16.254	0.09025	3.17743	10	X
K04XI8E	17.3	0.15	K2175	344.700	81.984	256.809	10.435	0.33607	2.67133	6	X
K04Y38D	17.3	0.15	K2175	11.477	290.485	83.131	13.808	0.20004	2.62296	9	X
K05C85P	17.6	0.15	K2175	235.152	296.412	180.167	1.495	0.04100	2.74493	10	X
K05D03Y	17.7	0.15	K2175	345.020	181.998	164.900	5.378	0.07572	2.80821	7	X
K05GD8B	18.1	0.15	K2175	119.744	338.056	229.343	1.704	0.15284	2.41637	10	X
K05JA1B	17.4	0.15	K2175	15.455	319.662	3.929	0.263	0.14452	2.90354	9	X
K05JB6O	16.9	0.15	K2175	334.198	353.454	20.883	2.041	0.08688	2.87020	10	X
K05M56L	16.7	0.15	K2175	13.980	179.441	146.217	2.533	0.12770	3.02159	11	X
K05N69C	18.2	0.15	K2175	352.274	345.218	336.503	6.735	0.26681	2.16808	7	X
K05NB3N	17.4	0.15	K2175	220.573	253.993	237.372	0.970	0.10329	2.94717	11	X
K05Q11N	20.0	0.15	K2175	334.396	135.313	223.705	5.634	0.40330	2.17377	4	X
K05QA8P	17.1	0.15	K2175	316.580	58.558	333.701	6.768	0.20002	3.06795	6	X
K05QC1J	16.6	0.15	K2175	11.998	134.774	195.207	2.645	0.23667	3.96967	3	X
K05QC6Y	17.2	0.15	K2175	355.905	170.092	165.714	0.627	0.13654	3.05349	5	X
K05R33O	20.1	0.15	K2175	336.633	234.273	112.483	7.309	0.40864	1.92494	3	X
K05S66G	18.7	0.15	K2175	317.175	40.135	337.715	5.590	0.17020	2.18127	5	X
K05SH2T	17.0	0.15	K2175	336.511	33.251	338.290	5.967	0.17079	3.06821	6	X
K05SK4G	17.2	0.15	K2175	50.283	85.977	192.128	5.225	0.13586	3.06811	5	X
K05ST6W	17.0	0.15	K2175	5.622	290.019	15.611	15.668	0.20364	3.09503	6	X
K05UR7L	16.8	0.15	K2175	327.238	156.685	228.639	4.051	0.14069	3.10615	10	X

K05Y00	18.0	0.15	K2175	348.014	301.989	35.270	8.012	0.21348	2.19467	7 X
K05Y58P	16.8	0.15	K2175	318.805	231.042	164.093	2.203	0.04482	3.21929	9 X
K05YQ0D	17.6	0.15	K2175	7.776	283.095	95.199	7.363	0.19182	2.53311	6 X
K05YT5A	18.1	0.15	K2175	335.355	287.439	76.324	7.785	0.10284	2.60640	8 X
K06A34F	17.3	0.15	K2175	5.575	286.284	95.697	5.148	0.19261	2.54600	6 X
K06D33S	18.0	0.15	K2175	56.706	261.328	358.456	4.473	0.19082	2.32239	5 X
K06DC6G	17.6	0.15	K2175	355.330	170.207	164.639	6.196	0.04083	2.69073	10 X
K06E24T	16.8	0.15	K2175	287.572	103.189	338.617	15.245	0.19275	3.22578	5 X
K06E77D	17.6	0.15	K2175	318.251	47.979	343.377	4.749	0.16705	2.64672	7 X
K06E77H	17.4	0.15	K2175	293.103	78.421	344.732	10.371	0.16766	2.62898	5 X
K06F26W	17.8	0.15	K2175	76.669	60.231	174.292	1.914	0.18814	2.78818	6 X
K06H13Y	17.7	0.15	K2175	81.256	34.954	208.128	7.633	0.16889	2.77529	5 X
K06H96B	18.9	0.15	K2175	354.814	183.496	47.610	3.369	0.16713	2.43239	4 X
K06KE9D	17.2	0.15	K2175	313.759	26.787	70.486	6.152	0.11937	2.64704	8 X
K06O39T	17.5	0.15	K2175	318.800	251.234	140.895	2.788	0.07162	2.86003	8 X
K06Q33L	18.6	0.15	K2175	335.431	165.340	199.843	6.999	0.44946	2.41558	4 X
K06Q40M	17.2	0.15	K2175	329.866	55.962	324.083	9.149	0.14333	2.90377	10 X
K06Q64R	17.9	0.15	K2175	17.655	134.898	178.307	1.231	0.13833	2.39771	10 X
K06Q90Z	17.6	0.15	K2175	48.235	189.355	138.932	7.185	0.16332	2.33816	11 X
K06QA9V	18.3	0.15	K2175	279.570	94.314	321.185	4.117	0.06011	2.41522	8 X
K06S86G	17.3	0.15	K2175	349.391	334.846	8.203	1.889	0.13431	2.96214	5 X
K06SG0L	17.1	0.15	K2175	350.116	316.724	95.609	3.306	0.05945	2.86294	12 X
K06Sh2F	16.3	0.15	K2175	336.829	306.472	46.054	8.822	0.17821	3.99015	4 X
K06TC0J	17.5	0.15	K2175	341.048	190.649	163.657	10.886	0.11417	2.97564	5 X
K06TC1E	17.8	0.15	K2175	308.762	279.143	108.724	10.064	0.22055	2.44934	7 X
K06VI2N	17.0	0.15	K2175	303.765	221.806	174.779	1.167	0.07090	3.02161	8 X
K06WA5X	17.5	0.15	K2175	303.851	214.992	204.122	1.594	0.21651	2.99469	5 X
K06WG5D	18.2	0.15	K2175	6.731	288.003	34.488	1.585	0.18336	2.45648	7 X
K06WH6J	18.5	0.15	K2175	285.219	297.585	129.246	5.612	0.21500	2.45158	3 X
K06WN2K	16.3	0.15	K2175	81.726	345.571	255.711	25.587	0.04987	3.09661	5 X
K06X77T	18.2	0.15	K2175	302.324	201.354	211.876	2.179	0.20180	2.47142	9 X
K06Y59A	16.7	0.15	K2175	283.957	305.001	135.973	17.662	0.20289	3.09171	6 X
K06Y64T	16.7	0.15	K2175	98.158	229.345	7.747	6.962	0.11605	2.89221	7 X
K07A35K	16.9	0.15	K2175	291.098	97.040	328.449	8.801	0.09372	3.07522	8 X
K07D17A	16.5	0.15	K2175	294.289	70.847	348.108	8.928	0.09013	3.12820	8 X
K07EI8O	16.9	0.15	K2175	290.525	247.460	180.367	12.015	0.13173	3.14882	7 X
K07H49Q	18.4	0.15	K2175	30.337	211.739	73.614	6.963	0.16437	2.24577	6 X
K07H79E	15.8	0.15	K2175	206.497	138.855	68.141	17.379	0.03583	3.12862	12 X
K07H82G	17.4	0.15	K2175	353.427	247.114	77.260	9.492	0.22534	2.71456	6 X
K07HA0H	16.5	0.15	K2175	289.208	44.257	83.463	11.005	0.07225	3.10649	9 X
K07HA1E	17.3	0.15	K2175	36.457	196.135	102.344	9.347	0.03256	2.65885	8 X
K07J47B	18.6	0.15	K2175	25.279	232.660	59.289	7.747	0.15108	2.25272	5 X
K07L00X	15.7	0.15	K2175	13.300	47.224	251.053	26.388	0.21265	2.73222	8 X
K07M30A	14.0	0.15	K2175	333.530	132.746	279.127	21.850	0.10873	5.20073	6 X
K07P30V	17.2	0.15	K2175	343.880	12.322	337.916	12.067	0.30293	2.79043	2 X
K07Q18P	19.0	0.15	K2175	5.479	333.879	334.933	2.428	0.20852	2.30159	3 X
K07R08W	18.7	0.15	K2175	321.367	33.943	10.475	3.351	0.51219	2.82318	2 V
K07R85M	19.7	0.15	K2175	32.512	279.123	334.663	4.763	0.41707	2.29670	4 X
K07R92H	17.9	0.15	K2175	3.193	332.505	0.137	1.775	0.22657	2.79193	6 X
K07RH5V	18.6	0.15	K2175	325.591	63.054	319.527	6.552	0.26521	2.30051	5 X
K07RW9W	18.2	0.15	K2175	322.631	46.718	337.783	6.067	0.23479	2.28752	5 X
K07RZ3Z	18.9	0.15	K2175	357.925	352.738	331.138	6.123	0.13448	2.31495	3 X
K07S27A	17.2	0.15	K2175	260.380	207.828	115.478	3.360	0.17843	2.99579	7 X
K07T25G	18.8	0.15	K2175	349.723	279.837	40.246	3.743	0.44623	2.31495	4 X
K07TD5Y	17.2	0.15	K2175	341.520	346.004	353.797	13.723	0.20136	2.80327	6 X
K07TH1C	17.6	0.15	K2175	344.750	219.228	199.771	12.484	0.22260	2.74162	4 X
K07TK7G	18.1	0.15	K2175	343.105	358.760	4.276	5.081	0.17683	2.79114	5 X
K07TL1J	18.5	0.15	K2175	0.683	336.497	344.997	5.217	0.29823	2.31511	5 X
K07TN5S	19.2	0.15	K2175	319.195	216.714	160.576	2.439	0.15252	2.32624	4 X
K07TN9W	17.2	0.15	K2175	317.996	129.858	249.397	1.064	0.08140	2.87634	6 X
K07TT7V	17.3	0.15	K2175	329.203	26.148	358.092	6.412	0.15257	2.80598	6 X
K07Ti3B	16.6	0.15	K2175	21.212	297.434	65.455	15.549	0.22269	2.74004	7 X
K07U22J	18.4	0.15	K2175	354.346	174.241	152.879	1.463	0.19849	2.33520	7 X
K07UD1B	17.3	0.15	K2175	6.687	318.508	64.207	10.725	0.20907	2.77140	8 X
K07UE6L	17.1	0.15	K2175	223.652	78.266	44.971	11.251	0.09063	2.86344	6 X
K07V00N	17.5	0.15	K2175	37.708	269.242	22.724	2.086	0.02840	2.85722	5 V
K07VP2U	16.3	0.15	K2175	4.864	297.652	98.631	7.088	0.04922	2.75405	12 X
K07VQ4E	17.0	0.15	K2175	342.771	359.323	350.622	1.151	0.03150	2.90582	10 X
K07X11K	19.3	0.15	K2175	351.758	197.032	167.481	3.439	0.62176	2.77005	2 X
K07X23R	16.6	0.15	K2175	358.921	352.367	354.347	1.623	0.08008	2.86905	11 X
K08B01P	16.2	0.15	K2175	93.600	241.978	351.208	16.340	0.17879	3.05254	7 X
K08EH6N	18.2	0.15	K2175	357.832	226.325	155.498	7.620	0.28428	2.34971	6 X
K08EH9J	17.3	0.15	K2175	32.632	120.018	166.996	1.129	0.15980	3.14452	7 X
K08F17Z	16.5	0.15	K2175	254.981	281.879	174.990	10.204	0.07215	3.03225	12 X
K08O22W	14.1	0.15	K2175	345.798	53.464	340.897	30.935	0.07764	5.20160	7 X
K08RC4B	14.2	0.15	K2175	293.696	100.930	0.046	30.227	0.05302	5.23876	9 X
K08S68S	17.6	0.15	K2175	335.080	7.440	349.486	8.015	0.32813	2.65469	4 X
K08S76P	17.1	0.15	K2175	279.496	87.641	355.067	11.124	0.15322	2.66029	8 X
K08SD3T	17.8	0.15	K2175	315.037	23.572	12.503	1.128	0.11668	2.63194	9 X
K08SE4M	18.2	0.15	K2175	312.985	248.810	162.968	13.189	0.26593	2.65152	4 X
K08SH0K	19.1	0.15	K2175	328.354	166.120	206.696	4.875	0.20103	2.19257	5 X
K08SK7E	17.7	0.15	K2175	349.128	226.381	175.723	7.705	0.35611	2.63422	6 X
K08SM1Z	17.9	0.15	K2175	279.765	233.485	202.123	1.859	0.14376	2.66300	8 X
K08SQ7J	17.6	0.15	K2175	327.784	26.678	338.252	6.630	0.27123	2.69258	4 X
K08SX2R	17.2	0.15	K2175	2.101	329.390	61.417	14.150	0.16401	2.65620	8 X
K08T71G	18.8	0.15	K2175	6.356	256.443	54.592	6.547	0.21351	2.21415	6 X
K08TB1M	17.3	0.15	K2175	20.229	137.343	216.222	13.116	0.27227	2.61846	5 X
K08TL1S	18.8	0.15	K2175	262.719	240.443	205.858	5.394	0.11168	2.21051	6 X
K08TM9K	17.4	0.15	K2175	350.179	104.668	193.308	7.089	0.09002	2.77723	7 V
K08TM9L	16.8	0.15	K2175	80.413	5.822	22.772	25.863	0.07050	3.19541	5 V
K08UM3F	18.2	0.15	K2175	296.188	90.114	334.682	2.800	0.20084	2.70618	4 X
K08UP5Q	17.2	0.15	K2175	349.093	354.755	48.422	16.545	0.25441	2.63651	6 X
K08UQ5Q	17.5	0.15	K2175	0.832	345.554	358.949	5.840	0.05539	2.69751	9 X

K08UQ6G	17.8	0.15	K2175	311.369	47.306	341.610	3.458	0.11233	2.71307	6	X
K08UT6J	17.9	0.15	K2175	297.039	16.310	32.542	5.217	0.11940	2.71836	3	X
K08Y43X	17.5	0.15	K2175	27.337	258.137	86.767	4.379	0.29731	2.64682	7	X
K09C16S	18.6	0.15	K2175	87.632	337.279	262.193	4.044	0.10551	2.33078	7	X
K09D29V	17.1	0.15	K2175	26.450	161.176	155.900	2.223	0.04999	2.91160	9	X
K09DA6S	18.0	0.15	K2175	58.379	69.749	200.254	2.019	0.07199	2.36675	9	X
K09DF4B	17.1	0.15	K2175	43.566	314.714	310.513	2.823	0.22416	3.01975	6	X
K09K02Q	18.0	0.15	K2175	56.910	121.321	112.821	11.610	0.22856	2.45679	5	X
K09Q06H	22.5	0.15	K2175	241.213	104.100	323.793	14.293	0.18749	1.05997	2	X
K09SB7X	17.3	0.15	K2175	125.847	350.379	218.013	6.325	0.09841	2.54408	11	X
K09SW4V	16.9	0.15	K2175	349.720	281.548	137.508	3.819	0.09154	3.18103	8	X
K09U64Z	18.0	0.15	K2175	347.457	251.364	78.617	5.137	0.27456	2.55150	7	X
K09WE9Q	14.3	0.15	K2175	29.035	263.347	125.846	6.645	0.03912	5.11157	13	X
K09WN1Q	14.1	0.15	K2175	36.147	299.143	67.935	20.771	0.16040	5.13891	7	X
K09WN6Y	16.9	0.15	K2175	99.653	278.333	88.701	11.510	0.10567	3.06824	6	V
K09WT6A	14.6	0.15	K2175	356.230	309.299	105.346	7.358	0.06693	5.19289	5	V
K10B21S	13.6	0.15	K2175	293.492	141.246	322.142	19.808	0.09914	5.26385	9	X
K10C03N	16.8	0.15	K2175	349.083	332.427	74.659	2.184	0.14339	2.59383	12	X
K10C45T	15.6	0.15	K2175	334.895	287.529	82.334	10.417	0.06589	3.46841	12	X
K10C54Z	17.5	0.15	K2175	91.077	217.358	355.663	45.712	0.25605	2.26538	6	X
K10C90S	17.5	0.15	K2175	207.378	212.220	288.156	4.420	0.06941	2.70186	6	X
K10G72R	14.9	0.15	K2175	2.646	145.487	226.610	23.226	0.26163	2.97240	11	X
K10H82L	16.5	0.15	K2175	21.686	312.503	336.666	18.039	0.27768	3.07288	6	X
K10H88E	16.4	0.15	K2175	35.133	315.041	334.499	5.796	0.10575	3.04931	10	X
K10J85T	16.1	0.15	K2175	170.127	177.401	55.546	26.327	0.07136	2.72992	8	X
K10JC5X	16.2	0.15	K2175	313.276	274.886	77.084	10.353	0.09978	3.16080	9	V
K10JI2S	17.0	0.15	K2175	27.013	130.722	160.855	8.386	0.17746	3.06837	5	X
K10K27E	16.2	0.15	K2175	312.990	276.318	121.436	22.431	0.21509	3.09596	7	V
K10KF6W	18.5	0.15	K2175	318.212	224.122	147.381	23.333	0.07371	1.90805	7	X
K10L11Q	17.4	0.15	K2175	220.469	162.559	332.603	11.325	0.13153	2.70770	8	X
K10L34E	16.9	0.15	K2175	353.630	44.435	181.421	17.163	0.16792	3.20305	5	X
K10L72N	17.6	0.15	K2175	357.143	58.381	256.163	12.783	0.28075	3.15047	3	V
K10L73A	16.7	0.15	K2175	342.911	239.676	103.658	14.539	0.29609	3.15036	3	V
K10M07Z	17.3	0.15	K2175	355.668	136.792	185.089	10.108	0.21916	3.15760	5	V
K10M12N	16.1	0.15	K2175	312.626	136.622	287.008	15.898	0.13611	3.05831	8	X
K10M13T	16.7	0.15	K2175	353.711	8.996	330.264	3.507	0.19001	3.13494	7	X
K10M58Z	16.8	0.15	K2175	18.526	123.611	181.831	16.053	0.26113	3.12277	4	X
K10M91H	17.7	0.15	K2175	355.203	182.306	166.983	4.349	0.24721	3.12520	5	X
K10MA7N	16.4	0.15	K2175	356.490	11.366	312.172	26.433	0.15098	3.19169	5	V
K10MA9Q	16.5	0.15	K2175	328.938	238.566	138.047	27.052	0.27643	3.16701	6	V
K10MB0L	17.2	0.15	K2175	342.632	199.648	156.788	16.141	0.27470	3.15446	2	V
K10N65O	16.5	0.15	K2175	329.937	3.280	13.729	17.218	0.19039	3.16418	3	X
K10N83H	16.2	0.15	K2175	293.626	108.972	298.953	8.131	0.07711	3.17537	10	V
K10N98E	16.4	0.15	K2175	354.837	250.680	94.255	10.561	0.09567	3.16469	9	X
K10O44S	18.4	0.15	K2175	210.886	258.069	340.711	12.124	0.20720	2.62228	5	V
K10O45V	17.9	0.15	K2175	353.070	201.409	119.017	5.411	0.19952	2.42130	6	V
K10P63G	18.4	0.15	K2175	6.683	27.518	308.088	16.794	0.10656	1.93505	6	X
K10P72P	15.8	0.15	K2175	67.855	233.534	100.164	11.451	0.07783	3.03641	14	X
K10P90Z	18.5	0.15	K2175	70.771	323.736	282.092	4.279	0.18738	2.34894	7	X
K10Q06U	17.9	0.15	K2175	8.498	163.466	143.903	1.795	0.19170	2.37227	7	X
K10R08A	16.8	0.15	K2175	345.965	184.570	179.511	10.152	0.08876	3.08674	8	X
K10R49P	16.7	0.15	K2175	14.382	304.948	5.045	27.056	0.22516	3.15171	2	V
K10R53L	16.8	0.15	K2175	68.168	243.738	4.885	0.885	0.14268	3.10698	10	X
K10R67F	16.8	0.15	K2175	338.218	325.975	42.541	11.183	0.23189	3.15146	4	X
K10R70Y	16.5	0.15	K2175	1.361	347.876	344.199	16.539	0.26672	3.09930	4	X
K10R83M	16.9	0.15	K2175	16.522	145.847	167.121	11.460	0.09624	3.12250	6	X
K10RA6Q	18.8	0.15	K2175	335.398	359.328	357.386	1.124	0.19744	2.39754	5	X
K10RE0U	18.2	0.15	K2175	2.261	114.138	213.408	0.437	0.20005	2.36962	5	X
K10RH5D	18.5	0.15	K2175	302.901	247.137	166.742	2.784	0.17334	2.38805	7	X
K10RK0K	19.0	0.15	K2175	286.730	125.973	301.365	5.226	0.14729	2.35148	5	X
K10RK9X	16.4	0.15	K2175	322.253	225.995	219.066	9.506	0.04262	3.07269	7	X
K10T26K	16.4	0.15	K2175	279.909	242.713	190.565	16.032	0.05908	3.12272	9	X
K10T75O	18.5	0.15	K2175	9.918	152.724	152.705	1.751	0.19105	2.40386	5	X
K10TF4B	16.5	0.15	K2175	323.707	97.809	293.214	5.681	0.15847	3.13943	8	X
K10U10O	17.2	0.15	K2175	322.340	185.835	202.034	0.986	0.21663	3.19586	5	X
K10U15E	18.3	0.15	K2175	21.388	295.769	62.971	6.190	0.18989	2.33301	7	X
K10V23X	13.3	0.15	K2175	279.822	221.722	242.063	30.502	0.00912	5.23767	12	X
K10V76U	17.2	0.15	K2175	19.780	269.077	93.949	2.425	0.27861	3.06522	5	X
K10VC8G	16.0	0.15	K2175	335.612	144.093	263.728	15.726	0.22848	3.13816	6	X
K10VG9Q	13.4	0.15	K2175	328.025	170.692	246.818	25.473	0.07509	5.22813	8	X
K10VO1S	18.5	0.15	K2175	316.426	89.135	303.068	5.564	0.16037	2.40950	5	X
K10W06G	18.3	0.15	K2175	330.673	143.774	226.497	4.258	0.10951	2.42352	5	X
K10W12H	13.4	0.15	K2175	354.901	126.615	260.392	24.692	0.08865	5.08310	4	X
K10X83X	13.4	0.15	K2175	312.421	188.908	247.933	27.353	0.15551	5.20983	7	X
K10XA6V	17.3	0.15	K2175	347.213	265.849	151.616	8.453	0.20144	3.11465	5	X
K11CC7J	18.9	0.15	K2175	329.289	72.583	302.474	0.807	0.19618	2.46406	3	X
K11F48R	17.0	0.15	K2175	349.691	57.341	163.788	8.330	0.06579	2.99441	9	X
K11FF0U	16.6	0.15	K2175	130.270	228.196	335.435	13.446	0.19643	2.63939	11	X
K11G14Y	17.3	0.15	K2175	329.597	28.355	352.028	10.672	0.13899	2.60578	7	X
K11HB0F	17.1	0.15	K2175	357.532	270.264	62.915	8.340	0.23370	2.76763	8	X
K11HB0O	17.2	0.15	K2175	223.304	178.106	170.348	11.393	0.11756	2.99787	7	X
K11L20D	16.3	0.15	K2175	340.243	165.978	195.027	11.664	0.50207	2.96161	9	X
K11N04Z	18.0	0.15	K2175	347.472	4.191	326.527	9.056	0.26999	2.24582	5	X
K11P05W	18.3	0.15	K2175	346.231	355.199	326.042	20.785	0.11241	1.84942	7	X
K11Q37F	16.9	0.15	K2175	348.183	7.848	350.937	5.710	0.09604	2.89579	8	X
K11S08P	16.9	0.15	K2175	8.186	331.612	1.125	10.314	0.13680	2.91273	8	X
K11S21Z	17.5	0.15	K2175	5.533	41.242	229.399	16.481	0.55854	2.95093	5	X
K11SB1O	18.4	0.15	K2175	0.024	358.328	295.347	5.411	0.37392	2.24184	2	X
K11SU9R	18.6	0.15	K2175	70.102	80.270	170.455	6.965	0.11318	2.22818	6	X
K11SV2B	18.6	0.15	K2175	25.985	303.263	357.966	6.898	0.11808	2.22954	7	X
K11SV2J	17.0	0.15	K2175	357.398	227.771	113.194	10.847	0.10838	3.00167	5	X
K11SX5A	19.0	0.15	K2175	32.405	298.302	342.346	4.945	0.19990	2.22515	5	X
K11SX5J	17.9	0.15	K2175	357.292	68.086	263.726	1.012	0.15234	2.91989	4	X

K11UD4D	17.3	0.15	K2175	265.210	329.864	114.837	11.451	0.07716	3.00531	6 X
K11UJ4F	18.5	0.15	K2175	322.425	173.035	214.509	21.284	0.10412	1.84711	8 X
K11UN2M	19.3	0.15	K2175	359.592	279.667	24.359	6.044	0.27943	2.26256	2 X
K11UP6P	17.1	0.15	K2175	354.503	176.344	226.052	16.204	0.21764	2.88200	5 X
K11UV3U	17.2	0.15	K2175	310.855	328.387	57.231	10.390	0.16766	3.05063	7 X
K11Uj3B	17.1	0.15	K2175	292.772	255.324	157.534	5.282	0.12000	3.08735	8 X
K11U15Y	18.5	0.15	K2175	340.743	184.514	169.419	8.353	0.19619	2.26120	4 X
K11W92T	19.4	0.15	K2175	335.492	281.449	79.162	6.161	0.26058	2.26134	3 X
K11WD5O	16.9	0.15	K2175	289.800	128.914	305.005	4.117	0.16351	3.05158	7 X
K11Y03C	16.1	0.15	K2175	42.634	264.213	86.386	11.818	0.11568	2.96089	12 X
K11Y07V	13.0	0.15	K2175	323.001	146.666	278.447	19.259	0.02938	5.27038	13 X
K11Y10Q	19.0	0.15	K2175	336.497	238.926	124.830	2.399	0.52198	2.24349	3 X
K11Y50V	16.3	0.15	K2175	280.406	178.952	291.912	15.912	0.18192	3.04659	7 X
K11Y96D	14.4	0.15	K2175	283.657	63.471	61.400	8.512	0.05839	5.19185	8 V
K12A16J	14.1	0.15	K2175	306.761	132.688	305.337	22.190	0.03273	5.31705	8 X
K12A20P	13.8	0.15	K2175	341.420	114.355	291.994	20.657	0.10218	5.24728	8 X
K12B44N	18.1	0.15	K2175	93.880	276.491	314.827	6.391	0.15728	2.41587	9 X
K12B57B	16.8	0.15	K2175	316.473	18.301	88.758	7.822	0.22860	2.97874	8 X
K12B97O	14.7	0.15	K2175	5.756	279.838	130.675	1.227	0.05760	5.13356	9 X
K12BD4K	18.6	0.15	K2175	319.701	59.736	333.361	22.795	0.14134	1.89409	4 X
K12BG2Q	16.9	0.15	K2175	249.439	50.546	51.547	12.095	0.08711	3.19458	7 X
K12D03P	18.9	0.15	K2175	87.230	255.068	344.131	19.119	0.03331	1.94177	5 X
K12D68K	16.1	0.15	K2175	352.539	56.880	320.786	18.935	0.15419	3.16993	6 X
K12DC6F	17.5	0.15	K2175	335.560	35.583	318.111	8.402	0.25472	2.47212	7 X
K12DC6L	16.6	0.15	K2175	137.709	296.473	8.084	25.276	0.20456	3.14594	2 V
K12E23J	18.0	0.15	K2175	297.644	64.444	339.212	27.461	0.15304	2.38798	4 X
K12G24O	15.9	0.15	K2175	290.987	263.991	233.341	14.282	0.17078	3.08883	11 X
K12J72D	17.8	0.15	K2175	350.567	217.403	110.920	14.363	0.18058	2.60601	6 X
K12M05F	17.6	0.15	K2175	56.014	98.441	166.488	14.559	0.08958	2.58420	6 X
K12Q31J	16.2	0.15	K2175	264.175	315.128	193.667	12.707	0.10686	2.54862	14 X
K12Q67X	18.0	0.15	K2175	359.644	229.002	100.124	1.037	0.08835	2.69489	5 X
K12R24P	17.8	0.15	K2175	334.463	243.979	187.971	12.210	0.25087	2.65709	6 X
K12R44K	16.9	0.15	K2175	2.016	7.858	325.137	8.411	0.17761	2.72885	9 X
K12R47Y	18.0	0.15	K2175	314.072	70.207	330.110	1.765	0.19901	2.71691	9 X
K12S05R	18.0	0.15	K2175	359.581	201.201	188.353	13.006	0.28614	2.65436	4 X
K12S36U	17.0	0.15	K2175	307.876	83.479	314.626	0.707	0.07342	2.73510	9 X
K12S41J	18.7	0.15	K2175	347.902	155.252	196.266	8.339	0.22414	2.72969	3 X
K12TB8X	17.4	0.15	K2175	37.638	6.538	291.054	5.197	0.07979	2.76870	9 X
K12TG4N	17.9	0.15	K2175	3.838	312.301	14.955	5.842	0.05899	2.77864	4 X
K12TG6J	18.2	0.15	K2175	7.113	314.222	50.009	8.715	0.35391	2.67669	3 X
K12TM3J	16.7	0.15	K2175	339.154	309.090	47.333	29.467	0.26499	2.77565	5 X
K12TQ5J	17.0	0.15	K2175	241.369	318.220	151.788	4.140	0.04810	2.77832	13 X
K12TT5U	17.4	0.15	K2175	8.594	347.046	336.229	4.452	0.15844	2.78912	6 X
K12TU4S	17.2	0.15	K2175	22.338	248.448	122.646	6.854	0.09994	2.64859	10 X
K12TW5F	17.9	0.15	K2175	355.608	14.731	328.399	3.234	0.08120	2.76201	7 X
K12TX7P	17.6	0.15	K2175	338.707	6.820	2.762	6.991	0.10143	2.76792	4 X
K12Tb6J	17.6	0.15	K2175	13.043	46.808	237.017	6.941	0.07218	2.89772	3 V
K12U46F	17.7	0.15	K2175	4.725	160.318	168.843	9.098	0.20970	2.77021	5 X
K12UA6G	18.5	0.15	K2175	26.400	355.807	299.237	0.510	0.15052	2.10863	9 X
K12UC9Y	17.2	0.15	K2175	276.990	89.647	359.564	12.838	0.18618	2.78980	8 X
K12UN5N	17.8	0.15	K2175	336.208	287.806	74.481	4.490	0.10408	2.80752	5 V
K12V99D	18.1	0.15	K2175	344.730	118.322	252.767	16.409	0.36236	2.73792	3 X
K12W08R	17.1	0.15	K2175	345.907	355.337	56.040	14.899	0.19426	2.71443	7 X
K12XB8W	17.2	0.15	K2175	347.567	208.580	136.551	2.836	0.06659	2.90387	7 X
K12Y02R	17.1	0.15	K2175	352.019	323.581	81.833	10.103	0.20494	2.70307	9 X
K13A53X	13.3	0.15	K2175	17.401	49.223	309.786	20.213	0.05347	5.16081	10 X
K13AH9O	17.2	0.15	K2175	344.762	173.925	152.209	18.603	0.16029	3.08324	5 V
K13AK4C	16.6	0.15	K2175	61.841	325.645	289.727	16.373	0.04792	3.16694	6 V
K13B42R	13.7	0.15	K2175	335.761	88.345	314.678	21.734	0.02928	5.31968	7 X
K13B60D	14.0	0.15	K2175	343.568	71.359	331.345	20.603	0.09709	5.10866	9 X
K13CD9G	17.0	0.15	K2175	6.724	303.747	91.747	7.219	0.06588	2.78782	11 X
K13CE9L	16.1	0.15	K2175	7.212	338.616	1.969	10.034	0.02843	3.11629	11 X
K13CG5T	16.4	0.15	K2175	230.928	133.298	349.326	11.965	0.08816	3.09797	9 X
K13EC4H	15.9	0.15	K2175	226.448	18.070	101.300	10.559	0.03340	3.17188	11 X
K13EH1O	17.0	0.15	K2175	273.775	260.434	165.958	14.465	0.04836	3.13738	4 X
K13F09Q	16.4	0.15	K2175	161.883	181.888	5.374	9.191	0.03320	3.18709	10 X
K13H05X	17.0	0.15	K2175	78.165	183.115	115.181	7.531	0.16307	2.28721	15 X
K13H12M	17.6	0.15	K2175	17.006	179.525	118.722	11.320	0.23105	2.39637	8 X
K13H23E	17.4	0.15	K2175	52.531	350.155	271.692	4.077	0.20588	2.38280	12 X
K13J75W	18.5	0.15	K2175	134.446	124.558	71.100	8.523	0.06658	2.31608	8 X
K13N37D	18.3	0.15	K2175	30.305	282.248	9.045	1.382	0.18785	2.45531	3 X
K13PB9Z	17.2	0.15	K2175	183.169	118.490	157.420	12.221	0.11140	3.13161	5 V
K13Q35D	18.1	0.15	K2175	8.974	263.544	107.971	3.214	0.22474	2.41635	7 X
K13Q73B	19.3	0.15	K2175	279.876	61.065	343.255	17.989	0.12738	1.93062	5 X
K13R19K	17.4	0.15	K2175	3.142	205.307	183.568	4.916	0.13036	2.42147	11 X
K13S12J	16.8	0.15	K2175	3.733	347.135	350.418	6.244	0.31445	3.96888	3 X
K13S24J	17.9	0.15	K2175	73.460	37.184	236.709	19.594	0.05404	1.91276	7 X
K13S38Y	18.4	0.15	K2175	337.297	1.125	355.863	1.118	0.21946	2.55342	4 X
K13S87S	18.0	0.15	K2175	327.983	234.110	200.590	6.588	0.20037	2.42190	6 X
K13T34R	16.9	0.15	K2175	160.400	153.162	86.803	4.401	0.02896	2.44236	16 X
K13T41V	18.6	0.15	K2175	1.150	170.706	159.791	0.622	0.23196	2.54220	4 X
K13TB4Y	17.4	0.15	K2175	3.057	52.777	273.870	1.379	0.18480	2.58715	13 X
K13TH7A	17.5	0.15	K2175	50.924	292.952	335.664	14.391	0.09648	2.55010	6 X
K13TM0U	18.1	0.15	K2175	3.053	334.265	343.046	4.102	0.20484	2.58728	5 X
K13U34U	18.1	0.15	K2175	286.996	40.139	350.437	20.910	0.07939	1.92067	6 X
K13V32H	18.3	0.15	K2175	347.657	256.674	86.690	6.873	0.35507	2.56254	4 X
K13V35W	17.9	0.15	K2175	317.761	136.511	250.867	1.001	0.09911	2.63571	5 X
K13V38U	18.1	0.15	K2175	357.214	64.432	261.951	1.207	0.21206	2.62917	4 X
K13W61R	16.7	0.15	K2175	357.594	1.458	335.604	6.209	0.32965	2.56836	12 X
K13W68H	17.2	0.15	K2175	359.017	92.478	268.420	14.226	0.16230	2.54494	6 X
K13WB4P	17.9	0.15	K2175	327.556	200.055	183.332	4.659	0.26738	2.58208	4 X
K13X10J	18.1	0.15	K2175	265.158	55.012	43.286	31.115	0.32242	2.59544	3 X
K13X23E	17.0	0.15	K2175	304.672	200.597	231.306	21.579	0.11376	2.58921	3 X

K13X39W	16.9	0.15	K2175	339.245	212.496	66.501	7.275	0.05124	2.95011	6	V
K13Y61B	17.7	0.15	K2175	4.336	309.696	74.590	5.565	0.16567	2.56606	7	X
K13Y71W	17.0	0.15	K2175	126.877	313.374	272.663	17.431	0.13121	2.65294	8	X
K13Y91S	18.0	0.15	K2175	326.201	245.098	118.282	13.255	0.21514	2.63654	4	X
K14A11T	16.7	0.15	K2175	333.961	187.591	197.483	5.776	0.36199	2.58862	13	X
K14A33O	17.1	0.15	K2175	329.729	121.134	283.102	11.665	0.26548	2.58011	6	X
K14A68O	17.6	0.15	K2175	260.652	149.673	298.483	2.222	0.06541	2.75559	8	X
K14B27Q	17.4	0.15	K2175	218.373	309.749	166.520	2.391	0.03496	2.77752	14	V
K14D95T	16.5	0.15	K2175	235.506	241.832	230.337	5.098	0.02690	2.90008	10	X
K14DF7O	17.3	0.15	K2175	337.069	343.100	85.407	7.434	0.28712	2.59467	3	X
K14DI8E	14.4	0.15	K2175	151.276	208.311	39.769	7.716	0.02003	5.24647	5	V
K14E35Q	16.6	0.15	K2175	13.382	312.164	79.007	6.857	0.03958	2.70807	12	X
K14E39R	16.5	0.15	K2175	50.815	210.558	72.371	10.667	0.06747	3.01618	8	X
K14EN3Z	17.4	0.15	K2175	61.061	87.951	185.103	5.712	0.07912	2.95979	4	X
K14EP3N	16.7	0.15	K2175	34.413	289.148	357.823	14.048	0.26977	3.07630	5	X
K14G08R	13.7	0.15	K2175	354.758	39.569	345.687	30.838	0.04609	5.19828	6	X
K14G24G	17.0	0.15	K2175	144.696	204.867	343.678	11.506	0.02430	3.01849	5	V
K14G46S	16.7	0.15	K2175	320.392	248.357	200.648	9.582	0.08366	2.77173	10	X
K14H42G	16.8	0.15	K2175	27.624	107.048	204.177	8.982	0.09848	3.10929	12	X
K14H62A	16.5	0.15	K2175	334.951	289.119	59.073	8.545	0.08758	3.13797	12	X
K14HG3Z	16.0	0.15	K2175	359.509	202.889	135.786	18.179	0.13838	3.06537	9	X
K14HN2K	19.1	0.15	K2175	5.820	190.968	104.835	7.539	0.23775	2.23884	3	X
K14J17E	15.6	0.15	K2175	21.274	157.333	220.214	11.304	0.06658	2.94633	12	X
K14K60U	16.3	0.15	K2175	5.408	85.012	276.373	16.822	0.12480	3.08703	9	X
K14K63L	15.9	0.15	K2175	9.305	319.837	65.976	13.377	0.15420	2.97988	10	X
K14KB8C	16.2	0.15	K2175	1.101	111.896	254.973	16.937	0.10745	3.08701	7	X
K14L28Q	5.9	0.15	K2175	346.415	156.210	223.409	1.298	0.10207	43.96508	11	X
K14O59Z	18.6	0.15	K2175	0.769	206.503	103.495	7.643	0.13631	2.29180	6	X
K14OF7S	16.6	0.15	K2175	319.385	47.172	342.114	9.402	0.04142	3.37355	5	X
K14OH6D	18.5	0.15	K2175	321.457	284.946	75.251	6.212	0.12030	2.27522	5	X
K14OJ3Y	18.0	0.15	K2175	37.406	296.197	343.692	11.076	0.16357	2.31268	5	X
K14OM9M	18.5	0.15	K2175	4.082	71.585	246.698	1.093	0.22180	2.31509	4	X
K14OO4B	15.9	0.15	K2175	312.785	102.232	316.743	20.368	0.06522	3.24551	7	X
K14OT8R	18.3	0.15	K2175	350.399	30.270	302.064	0.540	0.21314	2.32961	4	X
K14Oj4Q	18.2	0.15	K2175	177.222	333.362	63.045	4.445	0.04441	2.56060	6	X
K14P78S	18.6	0.15	K2175	329.506	217.404	156.335	5.302	0.18525	2.26368	4	X
K14QC9F	19.0	0.15	K2175	22.095	357.009	298.949	0.769	0.19038	2.29508	4	X
K14QG2V	18.5	0.15	K2175	295.004	332.009	75.347	7.642	0.12124	2.25206	7	X
K14QG6M	18.9	0.15	K2175	45.318	144.334	115.702	9.504	0.23973	2.30344	6	X
K14QN7F	19.2	0.15	K2175	328.752	14.474	351.814	2.393	0.21474	2.31002	4	X
K14QY0D	18.4	0.15	K2175	314.719	75.069	313.712	5.268	0.11629	2.26366	6	X
K14Qc2O	18.2	0.15	K2175	335.285	20.517	335.708	5.537	0.18851	2.31182	6	X
K14Qf7R	18.3	0.15	K2175	29.718	58.266	237.541	3.528	0.12765	2.31154	7	X
K14Qg7M	18.6	0.15	K2175	327.629	212.511	163.466	6.415	0.12079	2.28736	7	X
K14Qo3M	19.2	0.15	K2175	337.023	195.431	157.988	9.239	0.22495	2.31765	2	V
K14Qt8L	19.1	0.15	K2175	307.657	169.222	224.354	1.670	0.20954	2.29467	4	X
K14R85N	17.3	0.15	K2175	91.410	146.440	234.473	9.937	0.16474	2.98013	3	V
K14S67A	18.1	0.15	K2175	356.308	321.476	70.825	4.955	0.13317	2.18610	8	X
K14SB8D	19.0	0.15	K2175	314.075	216.934	169.365	2.503	0.19416	2.32720	5	X
K14SF2K	17.8	0.15	K2175	289.619	279.317	8.844	28.986	0.07529	2.62058	3	X
K14SL3U	17.3	0.15	K2175	66.391	199.804	109.526	8.001	0.20064	2.26767	12	X
K14SM6Y	18.4	0.15	K2175	336.486	190.574	163.432	5.603	0.18386	2.33983	7	X
K14TB4A	19.2	0.15	K2175	338.521	71.612	288.028	4.564	0.18233	2.32398	2	X
K14U04Z	18.2	0.15	K2175	299.237	357.039	60.908	8.380	0.24646	2.36505	3	X
K14U45Z	18.6	0.15	K2175	305.913	185.494	220.321	1.602	0.19509	2.35318	5	X
K14U55G	18.6	0.15	K2175	309.330	17.809	15.325	7.470	0.28920	2.35059	2	V
K14UG1Z	18.6	0.15	K2175	285.829	203.885	223.818	0.703	0.16422	2.36014	8	X
K14W69L	18.8	0.15	K2175	312.534	206.392	182.707	1.528	0.17750	2.37535	8	X
K14WX4V	18.3	0.15	K2175	101.706	63.780	167.318	7.491	0.09488	2.41729	9	X
K14X48H	17.3	0.15	K2175	2.402	18.390	325.529	23.392	0.20391	2.31950	4	X
K15AG7J	17.5	0.15	K2175	46.356	225.483	105.037	4.414	0.18991	2.40467	13	X
K15AI7T	17.5	0.15	K2175	308.921	93.609	298.551	5.535	0.00730	2.52443	9	X
K15AN8N	17.5	0.15	K2175	199.160	332.472	172.384	9.524	0.07190	2.55563	10	X
K15BF1B	17.4	0.15	K2175	79.841	276.246	335.747	14.573	0.08771	2.62050	6	X
K15BO9S	17.5	0.15	K2175	139.142	219.004	328.928	2.883	0.06690	2.62412	11	X
K15BT8U	19.0	0.15	K2175	258.671	99.268	336.301	21.179	0.12328	1.85888	4	X
K15BV5Q	18.2	0.15	K2175	346.125	357.027	356.885	6.867	0.10901	2.47294	6	X
K15Ba0E	18.5	0.15	K2175	349.321	359.525	347.759	4.958	0.24451	2.43737	6	X
K15Bk2L	17.7	0.15	K2175	329.750	10.757	3.946	5.771	0.08248	2.57071	7	X
K15Bq0L	19.2	0.15	K2175	303.617	43.406	348.396	20.914	0.06630	1.87961	3	X
K15Bq0U	18.5	0.15	K2175	56.994	95.524	157.079	23.568	0.09992	1.95417	5	X
K15Bq1Q	19.4	0.15	K2175	308.122	215.835	169.215	23.618	0.00669	1.88392	5	X
K15By4Z	17.6	0.15	K2175	17.119	338.285	336.195	7.293	0.11457	2.60191	8	X
K15By8Z	18.9	0.15	K2175	314.698	34.852	335.026	20.008	0.06753	1.90576	5	X
K15C56U	16.7	0.15	K2175	90.316	247.697	345.804	7.325	0.17832	2.77726	13	X
K15D24C	17.8	0.15	K2175	30.267	272.902	32.843	3.122	0.08367	2.64992	9	X
K15DF2X	17.3	0.15	K2175	240.032	305.161	164.893	29.828	0.19663	2.56433	4	X
K15DF5P	21.6	0.15	K2175	23.036	152.198	89.126	5.441	0.22403	1.31667	3	X
K15DI2M	17.0	0.15	K2175	313.032	250.590	22.520	11.526	0.18215	3.14871	4	X
K15E60T	14.3	0.15	K2175	317.391	147.016	284.601	19.464	0.11203	5.14771	4	X
K15F14J	17.8	0.15	K2175	230.108	0.073	121.119	12.687	0.14262	2.60738	5	X
K15F36T	18.4	0.15	K2175	23.805	358.775	317.566	19.158	0.09299	1.87927	7	X
K15F45W	18.3	0.15	K2175	64.202	89.568	157.530	21.645	0.07484	1.89737	7	X
K15FC8M	16.9	0.15	K2175	22.495	49.981	273.686	15.906	0.18379	2.54525	6	X
K15FE1F	14.1	0.15	K2175	286.274	266.667	175.961	6.552	0.09384	5.31875	8	X
K15FQ5U	17.2	0.15	K2175	59.239	224.377	92.183	4.785	0.23441	2.57859	9	X
K15Ff8N	18.5	0.15	K2175	281.107	192.324	235.790	20.560	0.04923	1.86476	6	X
K15Fh5M	17.9	0.15	K2175	26.369	165.025	120.567	12.555	0.28954	2.94442	4	X
K15Fi9L	17.0	0.15	K2175	30.994	20.477	237.051	7.530	0.21724	2.99517	6	V
K15G33Z	16.5	0.15	K2175	354.171	172.123	147.547	13.373	0.32524	3.03739	6	X
K15G47X	17.7	0.15	K2175	67.969	201.176	57.345	10.189	0.10544	2.81460	6	X
K15HH6U	15.8	0.15	K2175	22.603	120.103	140.526	26.567	0.35381	3.14106	7	X
K15HJ4J	17.1	0.15	K2175	344.839	213.402	126.505	17.783	0.21864	3.05743	6	X

K15HK2A	17.6	0.15	K2175	29.466	133.937	169.942	17.563	0.13453	2.85673	6	X
K15K22V	16.7	0.15	K2175	113.786	47.644	179.598	15.356	0.09189	2.87280	12	X
K15K82W	17.5	0.15	K2175	21.837	172.559	109.618	14.476	0.23809	3.07065	5	X
K15M28T	16.2	0.15	K2175	357.424	59.556	268.290	8.570	0.28820	3.01197	9	X
K15M56X	16.9	0.15	K2175	25.065	36.382	290.717	16.635	0.21207	3.04352	4	X
K15MC5A	16.2	0.15	K2175	18.189	47.214	284.287	16.305	0.19576	3.11871	7	X
K15MD3U	16.7	0.15	K2175	10.704	87.552	251.529	14.244	0.29439	3.13083	5	X
K15ME6E	17.4	0.15	K2175	21.435	275.580	26.688	1.248	0.14138	3.16348	6	X
K15N36H	18.0	0.15	K2175	200.589	177.880	132.849	6.945	0.13304	2.45019	3	V
K15O01B	15.9	0.15	K2175	358.403	147.371	197.483	10.847	0.11086	3.11578	15	X
K15O05G	17.4	0.15	K2175	26.432	125.136	177.396	13.093	0.17631	3.13368	5	X
K15O22M	16.5	0.15	K2175	41.309	252.152	72.827	22.014	0.34044	3.13775	7	X
K15O23V	16.4	0.15	K2175	22.178	43.165	286.465	16.818	0.20536	3.08232	7	X
K15O83R	17.0	0.15	K2175	343.630	198.967	167.470	14.356	0.11119	3.17967	5	X
K15OE8L	16.7	0.15	K2175	344.196	14.842	346.030	13.238	0.08970	3.22543	4	X
K15P19K	16.6	0.15	K2175	36.859	284.269	78.768	6.905	0.07606	2.84199	9	X
K15P36V	16.5	0.15	K2175	256.573	98.756	359.762	8.211	0.04734	3.11319	9	X
K15P47S	16.3	0.15	K2175	270.862	321.120	123.113	14.435	0.10133	3.18078	8	X
K15P98U	16.9	0.15	K2175	82.107	282.918	324.788	8.293	0.14753	3.09304	6	X
K15PG0C	17.2	0.15	K2175	355.295	4.330	339.741	13.657	0.18805	3.20478	2	V
K15PN4C	17.4	0.15	K2175	347.261	88.531	259.122	0.192	0.17157	3.18101	2	V
K15PR9E	16.6	0.15	K2175	159.007	198.415	336.872	15.794	0.02868	3.19843	8	X
K15PS8W	16.3	0.15	K2175	25.505	280.086	91.030	10.748	0.09331	2.98015	12	X
K15Q11Q	15.1	0.15	K2175	164.323	282.414	278.292	21.254	0.08855	3.23235	12	X
K15Q12W	16.6	0.15	K2175	19.772	291.961	78.302	6.872	0.17905	3.03640	9	X
K15R27T	16.7	0.15	K2175	11.081	185.876	191.202	10.902	0.30688	3.17730	5	X
K15R87G	16.3	0.15	K2175	357.214	89.318	275.568	14.900	0.13688	3.23136	5	X
K15R87W	16.6	0.15	K2175	9.750	155.108	225.963	18.894	0.25859	3.10154	8	X
K15RQ3Q	16.6	0.15	K2175	10.286	325.130	63.615	12.774	0.13527	3.10858	9	X
K15S03R	15.9	0.15	K2175	344.394	104.047	282.388	17.929	0.16321	3.23267	9	X
K15TA2N	16.3	0.15	K2175	8.135	337.186	59.446	29.305	0.08973	3.19618	4	X
K15TA9K	18.6	0.15	K2175	92.404	286.872	163.342	8.226	0.23158	2.64686	4	X
K15TI2E	16.0	0.15	K2175	276.553	101.255	339.977	16.390	0.09763	3.14857	10	X
K15TO0Y	16.2	0.15	K2175	23.318	151.971	222.789	11.447	0.12319	3.09796	10	X
K15TP7V	16.5	0.15	K2175	323.935	90.388	337.692	20.785	0.27046	3.22111	7	X
K15TS9Z	16.5	0.15	K2175	253.427	205.770	260.528	4.999	0.10675	3.32943	9	X
K15TY2P	16.4	0.15	K2175	23.787	289.731	91.491	15.197	0.04009	2.95985	10	X
K15Tj2N	18.0	0.15	K2175	124.537	238.466	136.162	4.137	0.07164	2.69194	3	V
K15U07K	16.8	0.15	K2175	350.824	323.423	88.281	11.647	0.20638	3.16169	7	X
K15U71X	16.7	0.15	K2175	47.227	233.556	104.821	7.013	0.20201	3.07205	9	X
K15VC5H	16.2	0.15	K2175	31.194	287.009	63.029	16.768	0.24426	3.13375	5	X
K15VD3V	16.0	0.15	K2175	299.331	293.795	204.127	13.148	0.25598	3.15707	10	X
K15X23F	16.5	0.15	K2175	20.055	291.489	94.713	10.427	0.05328	3.18302	11	X
K16AJ3J	18.7	0.15	K2175	344.841	81.996	331.285	22.570	0.81627	3.26524	4	X
K16B59W	18.0	0.15	K2175	63.341	315.539	301.365	0.933	0.15082	2.40004	7	X
K16BB6L	15.8	0.15	K2175	348.638	61.243	322.865	23.716	0.22646	3.69791	6	X
K16CC8L	18.5	0.15	K2175	99.334	20.857	211.171	5.651	0.07449	2.34907	8	X
K16CE7S	17.7	0.15	K2175	187.318	351.227	165.800	5.770	0.09738	2.29620	11	X
K16E65D	18.0	0.15	K2175	253.072	146.022	308.256	5.091	0.18867	2.33006	9	X
K16EE0W	18.4	0.15	K2175	267.199	119.353	327.116	3.331	0.15422	2.30223	8	X
K16F81E	18.4	0.15	K2175	36.074	106.079	157.522	26.554	0.27748	2.60780	3	X
K16GH2C	17.1	0.15	K2175	268.858	155.950	147.627	4.816	0.05552	3.02116	8	X
K16GO5D	17.8	0.15	K2175	48.522	264.053	358.136	4.812	0.28011	2.61985	5	X
K16GO6T	18.1	0.15	K2175	57.910	280.705	332.887	2.590	0.16893	2.59146	6	X
K16GS6A	18.6	0.15	K2175	40.985	141.041	136.404	1.353	0.16624	2.60364	6	V
K16GU8C	16.9	0.15	K2175	181.702	207.028	148.873	9.916	0.12535	3.19102	6	V
K16H27C	17.9	0.15	K2175	30.916	116.784	169.001	13.085	0.26555	2.67235	5	X
K16H34P	18.5	0.15	K2175	1.202	264.682	55.669	4.990	0.26485	2.66926	3	V
K16J53E	18.5	0.15	K2175	54.825	124.199	115.141	14.257	0.19478	2.67362	2	V
K16L34H	17.4	0.15	K2175	43.347	121.766	209.241	6.822	0.20958	2.52027	8	X
K16L67M	17.3	0.15	K2175	14.584	12.108	180.250	29.236	0.15663	3.12681	2	X
K16L78N	17.4	0.15	K2175	353.670	209.246	117.214	21.785	0.05003	2.81624	4	X
K16L93D	17.5	0.15	K2175	358.372	191.596	138.913	13.715	0.16843	2.67205	4	V
K16L93E	18.1	0.15	K2175	231.477	318.642	130.216	22.718	0.03337	2.59364	4	V
K16N41K	17.5	0.15	K2175	342.959	253.343	164.115	2.285	0.09394	2.52936	11	X
K16N68O	17.6	0.15	K2175	22.689	323.463	342.279	4.084	0.15029	2.79842	6	X
K16NB9F	17.5	0.15	K2175	335.229	270.153	161.593	6.365	0.15114	2.66139	8	X
K16O00K	15.9	0.15	K2175	342.794	64.049	275.795	24.361	0.38572	3.04635	8	X
K16P76D	17.3	0.15	K2175	23.959	183.900	170.965	8.633	0.23030	2.77378	10	X
K16P88R	18.6	0.15	K2175	334.721	4.579	352.559	14.611	0.28827	3.01878	2	V
K16PG9E	17.5	0.15	K2175	20.503	176.278	112.392	18.946	0.16705	3.00158	3	X
K16PJ6U	19.3	0.15	K2175	338.553	252.436	11.180	18.360	0.17434	1.95087	2	X
K16QJ6O	17.0	0.15	K2175	23.677	0.053	322.797	18.144	0.23696	2.79445	4	X
K16QA5Y	17.1	0.15	K2175	323.751	212.870	166.352	9.568	0.15780	2.99734	5	X
K16QC2V	17.2	0.15	K2175	321.397	209.104	167.787	11.859	0.06779	2.97696	5	X
K16QD1G	17.1	0.15	K2175	322.765	258.446	104.783	11.106	0.10252	3.09981	4	X
K16R50V	16.6	0.15	K2175	284.122	73.621	346.351	24.650	0.22611	3.13210	4	X
K16R61J	17.1	0.15	K2175	9.963	213.822	113.223	10.677	0.07823	2.97645	6	X
K16R66L	17.1	0.15	K2175	337.726	29.706	340.005	13.576	0.10093	2.94565	4	X
K16S06R	17.3	0.15	K2175	9.731	357.964	321.439	7.335	0.03490	3.00673	5	V
K16S09W	17.4	0.15	K2175	1.557	196.018	195.031	10.251	0.23056	2.71906	6	X
K16S31V	17.6	0.15	K2175	307.574	243.197	164.592	8.078	0.22939	3.04045	5	X
K16S34M	17.3	0.15	K2175	342.170	189.095	164.530	6.052	0.19227	3.00278	7	X
K16S70M	17.0	0.15	K2175	335.660	199.237	164.162	15.339	0.13968	3.07407	5	X
K16S90Z	17.2	0.15	K2175	351.151	248.201	100.389	10.427	0.10356	3.04758	6	X
K16T33X	17.3	0.15	K2175	308.600	246.471	215.713	10.913	0.08612	2.64315	11	X
K16T42R	17.3	0.15	K2175	11.085	301.265	26.451	2.358	0.14559	2.98750	6	X
K16T47Y	17.0	0.15	K2175	27.960	284.945	87.862	7.412	0.06162	2.78385	11	X
K16TH1Q	18.9	0.15	K2175	330.098	240.844	148.194	5.577	0.42933	3.01250	2	X
K16TH2F	18.8	0.15	K2175	331.026	196.306	158.846	23.027	0.09984	1.89442	4	V
K16U24E	17.2	0.15	K2175	37.015	286.114	70.336	9.175	0.08313	2.73636	8	X
K16U51H	16.7	0.15	K2175	323.672	327.989	53.727	11.102	0.08196	3.16082	7	X
K16U58O	17.1	0.15	K2175	301.611	70.345	1.024	15.611	0.25255	2.99444	4	X

K16U73P	17.3	0.15	K2175	14.053	123.027	198.592	2.124	0.12636	3.05734	5	X
K16UE1F	16.5	0.15	K2175	272.952	320.395	119.103	13.024	0.09683	3.14025	7	X
K16W01D	17.9	0.15	K2175	170.883	273.176	266.433	17.768	0.06306	1.87514	8	X
K16W53S	16.0	0.15	K2175	297.549	177.746	257.859	20.935	0.11306	3.07384	7	X
K16W74A	16.5	0.15	K2175	328.198	220.816	153.855	11.607	0.14713	3.20447	9	V
K16X25X	18.4	0.15	K2175	129.711	302.241	269.483	18.068	0.07608	1.91256	4	X
K16X26B	18.8	0.15	K2175	203.720	66.547	57.345	22.697	0.08880	1.97476	4	X
K16Y04F	18.7	0.15	K2175	317.473	74.357	320.419	22.439	0.16870	1.87836	5	X
K17B01G	16.3	0.15	K2175	13.961	290.222	95.587	12.337	0.12414	3.04399	10	X
K17B87N	17.1	0.15	K2175	336.926	241.564	193.785	6.884	0.26263	3.05502	11	X
K17C27U	18.7	0.15	K2175	358.490	147.710	76.257	2.532	0.13299	2.39202	5	X
K17DB1Z	15.9	0.15	K2175	251.159	338.524	193.937	9.518	0.13371	3.10959	13	X
K17F00E	17.7	0.15	K2175	267.298	199.761	249.860	16.636	0.03177	2.01045	5	X
K17K35Y	18.6	0.15	K2175	24.135	121.530	165.608	1.310	0.18356	2.34384	5	X
K17M22R	16.7	0.15	K2175	232.189	206.309	116.578	11.886	0.06269	3.19641	6	V
K17N02E	18.3	0.15	K2175	31.593	358.250	287.718	1.685	0.18613	2.41364	9	X
K17N20X	18.3	0.15	K2175	329.384	36.627	325.923	10.370	0.14487	2.45904	3	X
K17O56V	18.5	0.15	K2175	5.375	227.728	140.886	7.035	0.27467	2.36363	6	X
K17O70M	17.6	0.15	K2175	326.776	325.432	37.291	6.659	0.21874	2.65093	5	X
K17P48G	18.2	0.15	K2175	357.558	314.616	23.213	2.126	0.20869	2.59252	4	X
K17P65E	18.2	0.15	K2175	351.779	353.870	344.065	14.111	0.26859	2.59785	2	X
K17P65F	17.7	0.15	K2175	188.908	290.531	173.194	3.981	0.05702	2.76721	5	V
K17P65G	17.7	0.15	K2175	267.644	3.008	26.362	6.803	0.02350	2.72556	4	V
K17Q05W	18.2	0.15	K2175	83.113	354.128	254.391	3.997	0.07238	2.38357	8	X
K17Q90V	17.9	0.15	K2175	286.372	259.312	160.444	33.087	0.15681	2.57059	4	X
K17Q94F	18.2	0.15	K2175	28.941	135.831	163.355	7.582	0.15945	2.58291	7	X
K17QC8B	17.6	0.15	K2175	28.055	284.248	15.037	15.648	0.04950	2.59297	5	V
K17QC8C	18.7	0.15	K2175	277.570	158.587	270.036	1.190	0.13522	2.53185	3	V
K17QC8D	17.1	0.15	K2175	172.858	69.548	15.739	10.404	0.03543	2.88863	5	V
K17QC8E	17.6	0.15	K2175	45.369	112.543	129.942	4.818	0.04321	2.75921	9	V
K17R02H	17.7	0.15	K2175	342.793	65.955	266.760	27.068	0.45753	2.60661	3	X
K17R94N	18.2	0.15	K2175	346.884	197.236	156.967	2.125	0.05726	2.51964	4	X
K17RC8V	18.5	0.15	K2175	338.791	52.395	303.125	1.979	0.22798	2.55491	5	X
K17S33V	17.9	0.15	K2175	339.805	28.832	318.381	3.950	0.32145	2.59797	4	X
K17S62F	17.4	0.15	K2175	65.683	218.813	88.607	5.627	0.21927	2.32495	10	X
K17SG2O	18.4	0.15	K2175	321.518	268.304	104.372	9.844	0.23325	2.73501	3	X
K17SQ6Y	18.6	0.15	K2175	340.297	5.067	348.283	9.742	0.21557	2.59392	2	X
K17SQ7C	18.0	0.15	K2175	24.801	135.686	156.202	8.846	0.16566	2.68097	4	X
K17SQ7F	18.3	0.15	K2175	352.292	206.503	133.219	3.357	0.17270	2.61631	2	V
K17T25V	17.9	0.15	K2175	347.724	198.396	156.439	5.869	0.14026	2.63579	5	X
K17U33G	18.9	0.15	K2175	338.401	172.032	191.280	3.224	0.21738	2.55396	5	X
K17U33Q	18.8	0.15	K2175	307.476	96.326	306.008	1.284	0.22177	2.61248	3	X
K17U71T	18.2	0.15	K2175	3.690	329.068	358.549	4.592	0.24023	2.61147	4	X
K17U74W	17.9	0.15	K2175	291.040	192.472	228.714	1.400	0.19139	2.67017	8	X
K17U96W	17.7	0.15	K2175	283.470	47.743	24.523	1.769	0.09641	2.66580	6	X
K17UA7J	17.7	0.15	K2175	357.875	336.176	54.418	13.933	0.20613	2.56586	5	X
K17UC4Q	19.3	0.15	K2175	349.741	117.184	225.126	3.778	0.35336	2.56566	3	X
K17UE5W	18.3	0.15	K2175	321.482	95.690	281.315	1.847	0.14013	2.66637	3	X
K17V16B	17.6	0.15	K2175	258.343	115.581	344.768	11.727	0.16378	2.61267	6	X
K17V22A	17.9	0.15	K2175	331.549	9.230	6.950	5.519	0.18148	2.60269	5	X
K17V33G	18.2	0.15	K2175	312.821	321.286	69.552	5.955	0.28774	2.67291	4	X
K17V40O	17.9	0.15	K2175	331.153	145.773	227.451	5.020	0.07699	2.70720	3	X
K17W29X	17.5	0.15	K2175	348.299	325.288	29.284	1.581	0.15436	2.69689	6	X
K17W46F	17.4	0.15	K2175	328.318	34.203	343.486	6.391	0.12868	2.69712	8	X
K17W64X	18.6	0.15	K2175	351.153	179.203	165.466	4.702	0.27542	2.60386	3	X
K17W65H	18.2	0.15	K2175	298.871	83.944	342.290	23.488	0.31042	2.71316	4	V
K17X27M	18.1	0.15	K2175	358.956	115.409	226.978	5.339	0.03455	2.73630	4	X
K17X71O	17.3	0.15	K2175	353.362	238.989	87.009	13.037	0.15022	2.88988	6	X
K17Y12L	16.7	0.15	K2175	318.620	25.520	8.895	1.747	0.07311	2.87102	10	X
K18A03T	17.8	0.15	K2175	327.497	86.380	323.247	27.271	0.36891	2.57552	3	X
K18B05R	17.8	0.15	K2175	301.176	247.477	155.390	30.641	0.27483	2.62173	2	V
K18B10Y	16.7	0.15	K2175	158.838	185.114	7.054	9.564	0.02661	3.18782	8	X
K18D01H	21.1	0.15	K2175	15.623	97.480	146.062	1.968	0.60291	2.09602	6	X
K18G17T	18.9	0.15	K2175	338.071	249.821	95.930	25.459	0.00921	1.82542	5	X
K18H02C	18.9	0.15	K2175	298.756	282.143	105.286	24.438	0.04975	1.82562	6	X
K18L31L	17.0	0.15	K2175	121.963	79.414	308.458	24.337	0.26846	3.15849	5	V
K18N03F	18.4	0.15	K2175	304.101	93.314	312.384	17.635	0.11300	1.91278	8	X
K18T42Z	19.5	0.15	K2175	353.677	84.879	240.648	1.873	0.13881	2.16378	2	X
K18VE7J	18.6	0.15	K2175	2.812	21.433	273.723	2.546	0.17548	2.28088	5	V
K18VE7Q	17.9	0.15	K2175	207.952	341.236	89.893	6.678	0.13297	2.70991	4	V
K18VE7R	19.1	0.15	K2175	217.835	140.946	282.265	11.248	0.27640	2.63941	2	V
K18VE7S	17.7	0.15	K2175	191.428	295.375	142.395	14.156	0.18059	2.71897	7	V
K18VE7T	17.7	0.15	K2175	256.215	239.771	133.012	11.819	0.21341	2.65002	4	V
K18W09L	19.4	0.15	K2175	310.867	290.565	102.901	5.107	0.21362	2.19747	4	V
K19A05U	18.3	0.15	K2175	326.758	212.122	168.980	9.811	0.28432	2.36716	4	X
K19A81C	17.9	0.15	K2175	62.049	86.173	187.340	3.916	0.03703	2.67096	8	X
K19A85J	18.2	0.15	K2175	252.114	319.939	111.458	7.194	0.29560	2.57182	2	V
K19B08R	17.2	0.15	K2175	112.669	167.037	52.341	10.855	0.06159	2.63431	8	X
K19C10W	18.8	0.15	K2175	219.277	332.402	156.340	13.873	0.18645	2.53573	4	X
K19F03V	16.6	0.15	K2175	319.360	39.632	357.010	12.939	0.16226	2.68556	9	X
K19GB0Q	17.0	0.15	K2175	174.972	115.153	51.911	10.442	0.02421	3.23046	7	X
K19GB4O	17.0	0.15	K2175	317.846	221.843	159.714	12.252	0.08403	3.14119	5	X
K19K04W	13.8	0.15	K2175	327.065	169.662	247.648	25.279	0.05001	5.14589	7	X
K19L03T	14.1	0.15	K2175	279.061	193.317	269.709	23.949	0.04614	5.28757	5	X
K19L04A	13.6	0.15	K2175	347.167	133.342	256.948	21.872	0.04485	5.12629	10	X
K19N01C	21.3	0.15	K2175	197.529	143.882	310.868	6.845	0.12691	0.99367	5	X
K19P64W	17.7	0.15	K2175	176.409	227.799	66.637	8.543	0.24128	2.77616	4	V
K19P65F	18.6	0.15	K2175	135.076	341.766	73.059	3.744	0.14746	2.31148	4	V
K19P65G	18.1	0.15	K2175	179.330	187.558	132.484	8.849	0.13448	2.60811	4	V
K19P65H	17.5	0.15	K2175	46.713	69.542	13.975	11.186	0.07911	2.88116	4	V
K19P65J	18.4	0.15	K2175	107.987	274.363	155.199	8.956	0.08750	2.35056	4	V
K19R74H	18.8	0.15	K2175	148.677	315.004	86.590	3.977	0.07714	2.27353	4	V
K19SI0A	16.8	0.15	K2175	61.600	54.004	7.404	19.675	0.18118	3.22031	3	V

K19U04D	23.2	0.15	K2175	326.549	39.471	310.660	3.357	0.34881	1.57055	2	X
K19V31O	18.1	0.15	K2175	62.077	96.457	24.364	13.664	0.25954	3.16057	3	X
K19Y02H	23.3	0.15	K2175	40.292	91.238	109.193	5.604	0.43930	1.13469	2	X
K20B90G	18.9	0.15	K2175	17.305	333.566	337.213	17.956	0.05506	1.98223	6	X
K20D08B	18.6	0.15	K2175	36.373	97.811	184.249	3.151	0.15219	2.21584	10	X
K20D13C	18.0	0.15	K2175	20.021	304.026	349.219	31.033	0.30482	2.58193	3	V
K20H22Q	16.8	0.15	K2175	9.585	207.285	100.593	14.813	0.12193	3.11193	6	X
K20HB9O	16.9	0.15	K2175	31.397	287.296	347.343	10.145	0.12856	3.08384	6	V
K20HC1H	17.7	0.15	K2175	15.840	339.507	331.737	0.665	0.13030	2.97210	3	X
K20HC1R	18.2	0.15	K2175	9.257	262.462	55.942	8.015	0.11330	2.71246	3	X
K20J22P	17.4	0.15	K2175	37.002	114.091	179.471	5.657	0.13818	3.04108	4	X
K20K24A	17.4	0.15	K2175	19.308	142.607	175.668	12.425	0.17013	3.17141	5	X
K20K37O	17.7	0.15	K2175	127.613	52.675	149.645	15.750	0.02996	2.71571	6	X
K21J24Q	17.8	0.15	K2175	346.506	308.767	60.113	5.992	0.66977	3.22763	5	X
K21J52F	16.1	0.15	K2175	346.641	219.144	142.785	24.758	0.56528	3.93410	3	X
K21M10X	18.7	0.15	K2175	354.537	206.641	118.476	3.570	0.23295	2.26544	2	V
K21N01F	19.8	0.15	K2175	357.801	142.786	155.019	6.402	0.39851	2.13581	4	X
K21N25J	18.4	0.15	K2175	10.608	134.759	170.089	1.120	0.18932	2.36656	7	X
K21P14F	18.0	0.15	K2175	326.950	39.312	341.050	11.225	0.19499	2.61527	3	X
K21P26W	17.3	0.15	K2175	293.262	226.004	188.350	1.792	0.05802	2.87018	5	V

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K19N20Z	19.9	0.15	K2175	143.044	44.453	306.822	8.067	0.40170	2.67269	85	V
K21J02H	19.3	0.15	K2175	351.392	313.258	356.613	6.595	0.52702	2.17740	106	X
K21J06L	24.6	0.15	K2175	337.661	109.874	196.103	8.652	0.12407	1.22289	94	X
K21K07Q	19.8	0.15	K2175	351.045	271.670	49.981	12.648	0.49416	2.37896	89	X
K21L02B	21.0	0.15	K2175	2.845	118.516	170.510	8.096	0.50996	2.41126	75	X
K21L19E	17.7	0.15	K2175	353.336	51.196	278.297	15.661	0.33964	2.66880	72	X
K21M10Y	18.0	0.15	K2175	346.590	209.025	134.098	13.949	0.30576	2.64284	59	V
K21N01U	20.9	0.15	K2175	347.176	309.656	56.471	4.346	0.68676	3.22999	44	X
K21N01W	21.5	0.15	K2175	325.439	310.842	84.126	9.423	0.57473	2.00073	43	X
K21N13B	19.7	0.15	K2175	351.470	308.974	9.338	7.851	0.22267	2.16665	43	X
K21N14D	19.1	0.15	K2175	335.253	17.601	340.449	5.054	0.25822	2.33870	37	X
K21N31V	18.8	0.15	K2175	353.014	223.014	97.725	3.482	0.26979	2.41877	43	V
K21O02M	17.8	0.15	K2175	359.993	345.759	338.579	7.572	0.20994	2.79855	30	X
K21O09O	18.6	0.15	K2175	29.238	79.265	205.498	0.661	0.18452	2.33724	30	V
K21O09P	17.2	0.15	K2175	342.605	199.697	156.788	16.144	0.27472	3.15456	17	V
K21O09Q	18.3	0.15	K2175	342.315	212.961	140.213	8.114	0.23166	2.72231	28	V
K21P01E	20.8	0.15	K2175	344.264	166.484	179.396	6.042	0.36158	2.26231	18	X
K21P02O	20.4	0.15	K2175	0.212	324.267	324.034	32.438	0.41350	1.76353	13	X
K21P14D	17.9	0.15	K2175	329.089	38.183	343.039	13.448	0.21842	2.76385	15	X
K21P26D	19.3	0.15	K2175	340.351	204.797	157.967	7.080	0.33158	2.60763	13	V
K21P26N	20.2	0.15	K2175	52.552	37.592	133.840	20.573	0.58082	0.72854	9	X
K21P26R	18.2	0.15	K2175	35.287	122.459	160.105	15.226	0.08808	2.55721	13	V
K21P26S	19.1	0.15	K2175	2.044	316.188	358.999	2.294	0.20533	2.42099	13	V
K21P26T	18.8	0.15	K2175	21.404	148.370	145.305	2.951	0.17240	2.36731	13	V
K21P26U	19.6	0.15	K2175	356.609	24.419	295.585	1.309	0.22382	2.34103	13	V
K21P26V	18.8	0.15	K2175	337.012	240.772	133.610	18.614	0.33450	2.72699	11	V
K21P26X	19.8	0.15	K2175	345.187	39.268	295.145	1.635	0.33971	2.38517	9	V
K21P26Y	20.1	0.15	K2175	32.487	261.147	340.398	25.577	0.48020	2.53026	2	B
K21Q00C	22.8	0.15	K2175	208.052	316.406	147.241	24.052	0.34189	0.92213	4	X
K21Q00F	24.0	0.15	K2175	143.820	167.544	328.762	8.654	0.39898	0.80536	2	X

New observations:

K01E00C	C2021	08	19.35647522	06	30.28	-11	08	37.4	17.01	oVEQ038T05	
K01E00C	C2021	08	19.35968522	06	29.83	-11	08	39.0	16.93	oVEQ038T05	
K01E00C	C2021	08	19.36242822	06	29.45	-11	08	40.5	17.04	oVEQ038T05	
K01E00C	C2021	08	19.36746522	06	28.75	-11	08	43.3	16.96	oVEQ038T05	
K02Q46G	C2021	08	19.44004523	49	30.51	-09	28	46.3	18.43	oVEQ038T05	
K02Q46G	C2021	08	19.44187423	49	30.11	-09	28	45.7	18.63	oVEQ038T05	
K02Q46G	C2021	08	19.44462923	49	29.59	-09	28	43.9	18.45	oVEQ038T05	
K02Q46G	C2021	08	19.44968023	49	28.54	-09	28	40.1	18.29	oVEQ038T05	
K05Q11N	C2021	08	19.42790722	17	26.22	+11	36	48.9	19.07	oVEQ038T08	
K05Q11N	C2021	08	19.42975022	17	26.23	+11	36	50.2	18.93	oVEQ038T08	
K05Q11N	C2021	08	19.43251422	17	26.24	+11	36	50.6	18.68	oVEQ038T08	
K05Q11N	C2021	08	19.45713822	17	26.63	+11	37	01.8	19.26	oVEQ038T08	
K05R33O	C2021	08	19.45608700	20	54.30	-31	33	14.1	17.82	oVEQ038T05	
K05R33O	C2021	08	19.45791800	20	54.86	-31	33	16.2	17.81	oVEQ038T05	
K05R33O	C2021	08	19.46112100	20	55.78	-31	33	20.1	18.00	oVEQ038T05	
K05R33O	C2021	08	19.46615300	20	57.28	-31	33	25.6	17.85	oVEQ038T05	
K07T25G	C2021	08	19.38155322	35	29.77	-26	42	03.3	16.97	oVEQ038T05	
K07T25G	C2021	08	19.38475822	35	29.91	-26	42	01.3	17.01	oVEQ038T05	
K07T25G	C2021	08	19.38888522	35	30.08	-26	41	58.5	16.90	oVEQ038T05	
K07T25G	C2021	08	19.39483122	35	30.28	-26	41	54.7	16.96	oVEQ038T05	
K07X11K	C2021	08	19.61033105	04	29.339	+20	54	36.46	21.87	wUEQ038F51	
K07X11K	C2021	08	19.61383005	04	30.177	+20	54	36.79	22.25	wUEQ038F51	
K07X11K	C2021	08	19.62080205	04	31.942	+20	54	37.45	22.25	wUEQ038F51	
K09Q06H	C2021	08	19.43873723	55	53.41	+22	36	29.2	19.16	oVEQ038T08	
K09Q06H	C2021	08	19.44057923	55	52.98	+22	37	02.0	19.11	oVEQ038T08	
K09Q06H	C2021	08	19.47244723	55	45.76	+22	46	30.1	19.25	oVEQ038T08	
K09Q06H	C2021	08	19.47738323	55	44.64	+22	47	56.1	18.90	oVEQ038T08	
K11Y10Q	C2021	08	19.38658522	41	15.75	-16	33	06.0	15.48	oVEQ038T05	
K11Y10Q	C2021	08	19.38842822	41	16.27	-16	33	06.4	15.62	oVEQ038T05	
K11Y10Q	C2021	08	19.39208722	41	17.30	-16	33	06.9	15.44	oVEQ038T05	
K11Y10Q	C2021	08	19.40068322	41	19.72	-16	33	08.4	15.65	oVEQ038T05	
K15DF5P	KC2021	06	21.79969	12	37	52.02	+00	33	41.2	19.5	GVEQ038221
K15DF5P	KC2021	06	21.81646	12	37	56.66	+00	32	08.9	19.6	GVEQ038221
K16AJ3J	C2021	08	19.51879302	02	19.60	-37	39	17.5	13.76	oVEQ038T05	
K16AJ3J	C2021	08	19.52062302	02	26.41	-37	38	59.8	13.77	oVEQ038T05	
K16AJ3J	C2021	08	19.52474202	02	41.74	-37	38	20.3	13.78	oVEQ038T05	
K16AJ3J	C2021	08	19.53297602	03	12.54	-37	37	00.4	13.84	oVEQ038T05	
K18D01H	C2021	08	19.53908300	45	30.366	+03	19	36.46	21.96	wUEQ038F51	

K18D01H	C2021	08	19.54346200	45	29.921+03	19	32.78	21.82wUEQ038F51
K18D01H	C2021	08	19.54785100	45	29.460+03	19	29.64	21.95wUEQ038F51
K19N01C	C2021	08	11.83373	21	00	41.54	+00 07 38.7	YEQ038557
K19N01C	C2021	08	11.88168	21	00	20.82	+00 11 55.2	YEQ038557
K19N01C	C2021	08	11.91760	21	00	05.12	+00 15 07.5	YEQ038557
K19N01C	C2021	08	11.95947	20	59	46.73	+00 18 52.2	YEQ038557
K19N01C	C2021	08	12.07487	20	58	56.53	+00 29 11.0	YEQ038557
K19N01C	C2021	08	12.91824	20	53	19.03	+01 45 07.6	YEQ038557
K19N01C	C2021	08	12.96138	20	52	59.77	+01 49 01.7	YEQ038557
K19N01C	C2021	08	13.00228	20	52	41.55	+01 52 43.8	YEQ038557
K19N01C	C2021	08	13.04234	20	52	23.81	+01 56 21.2	YEQ038557
K19N01C	C2021	08	13.85383	20	46	55.38	+03 10 11.1	YEQ038557
K19N01C	C2021	08	13.89635	20	46	36.24	+03 14 04.2	YEQ038557
K19N01C	C2021	08	13.93795	20	46	17.35	+03 17 52.5	YEQ038557
K19N01C	C2021	08	13.97794	20	45	59.25	+03 21 31.4	YEQ038557
K19N01C	C2021	08	14.01145	20	45	44.13	+03 24 34.7	YEQ038557
K19N01C	C2021	08	14.04708	20	45	28.21	+03 27 49.0	YEQ038557
K19N01C	C2021	08	14.08197	20	45	12.84	+03 30 59.5	YEQ038557
K19N01C	C2021	08	19.40400620	07	38.10	+11 33	26.8	16.57oVEQ038T08
K19N01C	C2021	08	19.41267620	07	33.93	+11 34	11.9	16.55oVEQ038T08
K19N01C	C2021	08	19.41932720	07	30.75	+11 34	46.2	16.46oVEQ038T08
K19N01C	C2021	08	19.45341120	07	14.52	+11 37	42.1	15.96oVEQ038T08
K19N01C	KC2021	08	19.80673	20	04	52.91	+12 07 30.8	16.3 VqEQ038L47
K19N01C	KC2021	08	19.83424	20	04	40.14	+12 09 55.0	16.7 VqEQ038L47
K19U04D	C2021	08	19.37578322	03	28.30	+16 47	33.3	17.22oVEQ038T08
K19U04D	C2021	08	19.38499122	03	34.05	+16 49	41.2	16.88oVEQ038T08
K19U04D	C2021	08	19.39048622	03	37.48	+16 50	57.3	16.68oVEQ038T08
K19U04D	C2021	08	19.42264122	03	57.47	+16 58	22.5	17.43oVEQ038T08
K19Y02H	C2021	08	17.47708122	37	12.489	-28 44	16.78	22.12wUEQ038F51
K19Y02H	C2021	08	17.48933422	37	08.824	-28 44	29.51	22.51wUEQ038F51
K19Y02H	C2021	08	17.49545022	37	06.997	-28 44	35.19	22.30wUEQ038F51
K21J02H	C2021	08	19.54580502	35	11.00	-22 29	02.0	16.39oVEQ038T05
K21J02H	C2021	08	19.54763302	35	10.62	-22 28	47.3	16.56oVEQ038T05
K21J02H	C2021	08	19.55037802	35	10.04	-22 28	25.2	16.53oVEQ038T05
K21J02H	C2021	08	19.56140502	35	07.72	-22 26	56.3	16.48oVEQ038T05
K21J06L	C2021	08	13.29937917	07	14.402	+27 05	16.22	23.30GVEQ038T12
K21J06L	C2021	08	13.30711117	07	15.712	+27 05	03.13	23.27GVEQ038T12
K21J24Q	C2021	08	19.50186701	18	54.62	-29 37	23.6	16.29oVEQ038T05
K21J24Q	C2021	08	19.50369801	18	55.44	-29 37	21.8	16.31oVEQ038T05
K21J24Q	C2021	08	19.50644201	18	56.64	-29 37	18.7	16.34oVEQ038T05
K21J24Q	C2021	08	19.51376301	18	59.85	-29 37	10.7	16.21oVEQ038T05
K21K07Q	C2021	08	19.58340	02	01	40.709	-43 01 21.26	19.7 wUEQ038F51
K21K07Q	C2021	08	19.59119	02	01	41.071	-43 01 11.79	19.7 wUEQ038F51
K21K07Q	C2021	08	19.59897	02	01	41.426	-43 01 02.39	19.7 wUEQ038F51
K21L02B	C2021	08	19.54002100	21	28.593	+08 45	14.03	21.11wUEQ038F51
K21L02B	C2021	08	19.54441200	21	28.614	+08 45	08.54	20.99wUEQ038F51
K21L02B	C2021	08	19.55340300	21	28.653	+08 44	57.27	20.86wUEQ038F51
K21N01F	C2021	08	19.35693322	12	52.50	-07 30	30.5	18.32oVEQ038T05
K21N01F	C2021	08	19.36014222	12	52.60	-07 30	33.7	18.56oVEQ038T05
K21N01F	C2021	08	19.36334322	12	52.67	-07 30	37.5	18.27oVEQ038T05
K21N01F	C2021	08	19.36838022	12	52.77	-07 30	44.1	18.56oVEQ038T05
K21N01U	C2021	08	19.51742201	41	32.93	-30 08	22.3	18.74oVEQ038T05
K21N01U	C2021	08	19.51925101	41	34.31	-30 08	17.3	18.58oVEQ038T05
K21N01U	C2021	08	19.52199801	41	36.30	-30 08	09.4	18.63oVEQ038T05
K21N01U	C2021	08	19.52886001	41	41.33	-30 07	48.4	18.70oVEQ038T05
K21N01W	mC2021	08	18.63074	23	26	44.58	-69 20 26.4	19.9 GVEQ038E10
K21N01W	mC2021	08	18.63145	23	26	45.12	-69 20 30.5	20.2 GVEQ038E10
K21N01W	mC2021	08	18.63216	23	26	45.67	-69 20 34.8	20.2 GVEQ038E10
K21P02O	KC2021	08	19.91197500	08	56.42	+39 07	11.1	18.9 GVEQ038K38
K21P02O	KC2021	08	19.92581700	08	50.40	+39 08	30.7	19.2 GVEQ038K38
K21P02O	KC2021	08	19.94961600	08	39.94	+39 10	47.7	18.7 GVEQ038K38
K21P02O	KC2021	08	20.03162300	08	03.59	+39 18	35.8	19.1 GXEQ038595
K21P02O	KC2021	08	20.03543000	08	01.95	+39 18	57.0	19.2 GXEQ038595
K21P02O	KC2021	08	20.03987300	08	00.01	+39 19	22.3	18.8 GXEQ038595
K21P26N	C2021	08	19.56324003	02	18.39	-34 54	13.4	18.69oVEQ038T05
K21P26N	C2021	08	19.56644203	02	17.36	-34 54	45.4	18.59oVEQ038T05
K21P26N	C2021	08	19.57193403	02	15.49	-34 55	40.0	18.63oVEQ038T05
K21P26N	C2021	08	19.58201503	02	12.00	-34 57	21.1	18.42oVEQ038T05
K21P26N	KC2021	08	19.65532	03	01	48.49	-35 08 38.0	18.7 RqEQ038E94
K21P26N	KC2021	08	19.67285	03	01	42.56	-35 11 32.7	18.7 RqEQ038E94
K21P26N	KC2021	08	19.69052	03	01	36.48	-35 14 27.7	18.6 RqEQ038E94
K21P26N	KC2021	08	19.70831	03	01	30.60	-35 17 24.1	18.7 RqEQ038E94
K21Q00C	KC2021	08	20.01087600	27	21.39	-10 35	27.0	18.5 GXEQ038595
K21Q00C	KC2021	08	20.01362700	27	22.66	-10 36	18.7	19.0 GXEQ038595
K21Q00C	KC2021	08	20.01947600	27	25.38	-10 38	09.5	18.5 GXEQ038595
K21Q00C	KC2021	08	20.01988500	27	26.61	-10 38	21.2	18.5 GVEQ038J95
K21Q00C	KC2021	08	20.02687500	27	29.91	-10 40	34.5	18.6 GVEQ038J95
K21Q00C	KC2021	08	20.03435100	27	33.42	-10 42	56.4	18.7 GVEQ038J95
K21Q00F	1C2021	08	18.90740	23	26	00.82	-04 41 45.0	VEQ038L81
K21Q00F	1C2021	08	18.92831	23	25	50.35	-04 41 28.8	20.4 GVEQ038L81
K21Q00F	1C2021	08	18.94939	23	25	39.74	-04 41 11.2	VEQ038L81
K21Q00F	C2021	08	19.51060823	21	03.892	-04 34	13.31	20.99wUEQ038F51
K21Q00F	C2021	08	19.52069723	20	58.573	-04 34	04.57	20.87wUEQ038F51
K21Q00F	C2021	08	19.52536723	20	56.096	-04 34	00.43	21.04wUEQ038F51
01627	C2021	08	19.59438505	38	06.33	+16 03	55.8	16.62oVEQ038T08
01627	C2021	08	19.59899405	38	06.81	+16 03	55.6	16.57oVEQ038T08
01627	C2021	08	19.61934105	38	08.90	+16 03	55.0	16.44oVEQ038T08
01627	C2021	08	19.62404805	38	09.38	+16 03	54.8	16.47oVEQ038T08
01943	C2021	08	19.43435523	28	07.81	+21 54	29.1	16.17oVEQ038T08
01943	C2021	08	19.43628923	28	07.64	+21 54	28.7	16.17oVEQ038T08
01943	C2021	08	19.43919823	28	07.38	+21 54	28.3	16.16oVEQ038T08
01943	C2021	08	19.44458323	28	06.91	+21 54	27.4	16.17oVEQ038T08
02063	C2021	08	19.60843305	05	21.65	+11 25	24.7	18.17oVEQ038T08

02063	C2021	08	19.61980105	05	25.97	+11	25	44.3	18.23oVEQ038T08	
02063	C2021	08	19.62259405	05	27.02	+11	25	49.0	18.34oVEQ038T08	
04034	C2021	08	19.62919405	05	29.51	+11	25	59.8	18.42oVEQ038T08	
04034	C2021	08	19.55992603	32	56.18	+17	29	41.1	18.07oVEQ038T08	
04034	C2021	08	19.56625703	33	00.24	+17	29	38.4	18.08oVEQ038T08	
04341	C2021	08	19.57645903	33	06.78	+17	29	35.4	18.16oVEQ038T08	
04341	C2021	08	19.49408401	07	37.17	-13	06	46.2	18.58oVEQ038T05	
04341	C2021	08	19.49591401	07	37.15	-13	06	48.5	18.48oVEQ038T05	
04341	C2021	08	19.49866401	07	37.21	-13	06	51.0	18.25oVEQ038T05	
05143	C2021	08	19.50552801	07	37.27	-13	06	57.2	18.44oVEQ038T05	
05143	C2021	08	19.57368303	57	36.18	+30	22	52.5	17.91oVEQ038T08	
05143	C2021	08	19.57924103	57	36.73	+30	22	55.7	18.15oVEQ038T08	
05143	C2021	08	19.58434103	57	37.28	+30	22	58.5	18.00oVEQ038T08	
05189	C2021	08	19.59669003	57	38.56	+30	23	05.2	17.91oVEQ038T08	
05189	C2021	08	19.61098504	55	54.648	+18	34	54.44	19.44wUEQ038F51	
05189	C2021	08	19.61447704	55	55.046	+18	34	54.42	19.30wUEQ038F51	
05189	C2021	08	19.61796104	55	55.441	+18	34	54.43	19.42wUEQ038F51	
07358	C2021	08	19.62144904	55	55.838	+18	34	54.38	19.44wUEQ038F51	
07358	C2021	08	19.57506504	33	47.05	+28	42	25.1	16.11oVEQ038T08	
07358	C2021	08	19.57878204	33	47.97	+28	42	26.6	16.11oVEQ038T08	
07358	C2021	08	19.58618204	33	49.78	+28	42	29.3	16.08oVEQ038T08	
07822	C2021	08	19.59623004	33	52.25	+28	42	33.1	16.10oVEQ038T08	
07822	C2021	08	06.85637	01	19	13.79	+46	39	24.3	YEQ038557
07822	C2021	08	06.87590	01	19	22.22	+46	38	29.8	YEQ038557
07822	C2021	08	06.91742	01	19	40.06	+46	36	33.9	YEQ038557
07822	C2021	08	06.94041	01	19	49.88	+46	35	29.6	YEQ038557
07822	C2021	08	06.96361	01	19	59.76	+46	34	24.4	YEQ038557
07822	C2021	08	06.97986	01	20	06.68	+46	33	38.3	YEQ038557
07822	C2021	08	07.00063	01	20	15.48	+46	32	39.4	YEQ038557
07822	C2021	08	07.02262	01	20	24.77	+46	31	36.7	YEQ038557
07822	C2021	08	07.04093	01	20	32.49	+46	30	44.0	YEQ038557
07822	C2021	08	07.06413	01	20	42.28	+46	29	37.0	YEQ038557
07822	C2021	08	07.08490	01	20	51.00	+46	28	36.7	YEQ038557
07822	C2021	08	19.55111403	10	24.89	+24	54	17.9	15.80oVEQ038T08	
07822	C2021	08	19.55434203	10	26.79	+24	53	43.4	16.09oVEQ038T08	
07822	C2021	08	19.56038503	10	30.34	+24	52	38.7	16.00oVEQ038T08	
07822	C2021	08	19.56994303	10	35.95	+24	50	56.5	15.86oVEQ038T08	
16960	C2021	08	19.48555100	15	14.94	+31	21	10.7	17.64oVEQ038T08	
16960	C2021	08	19.48785500	15	14.81	+31	21	12.4	17.66oVEQ038T08	
16960	C2021	08	19.49062200	15	14.67	+31	21	14.1	17.75oVEQ038T08	
16960	C2021	08	19.51060100	15	13.65	+31	21	27.7	17.71oVEQ038T08	
31345	C2021	08	19.56084503	33	07.59	+26	29	51.7	19.10oVEQ038T08	
31345	C2021	08	19.56671803	33	09.04	+26	29	54.2	19.08oVEQ038T08	
31345	C2021	08	19.57046003	33	09.92	+26	29	55.8	18.75oVEQ038T08	
31345	C2021	08	19.58016303	33	12.21	+26	30	00.8	19.18oVEQ038T08	
32906	C2021	08	19.04050	23	59	57.28	+08	51	32.0	17.3 RoEQ038Z22
32906	C2021	08	19.04515	23	59	57.12	+08	51	38.2	17.3 RoEQ038Z22
52750	C2021	08	19.44004523	56	52.32	-08	48	14.9	17.61oVEQ038T05	
52750	C2021	08	19.44187423	56	52.25	-08	48	17.1	17.62oVEQ038T05	
52750	C2021	08	19.44462923	56	52.13	-08	48	20.8	17.70oVEQ038T05	
52750	C2021	08	19.44968023	56	51.93	-08	48	26.3	17.65oVEQ038T05	
68063	C2021	08	19.35693321	54	28.03	-04	48	09.7	13.82oVEQ038T05	
68063	C2021	08	19.36014221	54	27.99	-04	48	05.4	13.84oVEQ038T05	
68063	C2021	08	19.36334321	54	27.94	-04	48	01.6	13.89oVEQ038T05	
68063	C2021	08	19.36838021	54	27.88	-04	47	54.4	13.89oVEQ038T05	
68063	V2021	08	19.65742021	54	25.76	-04	41	35.2	14.1 VEQ038247	
68063	v2021	08	19.6574201	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.65958021	54	25.69	-04	41	31.7	14.0 VEQ038247	
68063	v2021	08	19.6595801	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.66174021	54	25.70	-04	41	29.3	14.0 VEQ038247	
68063	v2021	08	19.6617401	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.66387721	54	25.67	-04	41	26.7	14.1 VEQ038247	
68063	v2021	08	19.6638771	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.66599221	54	25.64	-04	41	23.5	14.0 VEQ038247	
68063	v2021	08	19.6659921	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.66819821	54	25.61	-04	41	20.2	14.1 VEQ038247	
68063	v2021	08	19.6681981	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.67035821	54	25.58	-04	41	17.4	14.1 VEQ038247	
68063	v2021	08	19.6703581	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.67226521	54	25.56	-04	41	14.8	14.0 VEQ038247	
68063	v2021	08	19.6722651	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.67412721	54	25.53	-04	41	12.4	13.9 VEQ038247	
68063	v2021	08	19.6741271	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.67605721	54	25.51	-04	41	10.2	14.1 VEQ038247	
68063	v2021	08	19.6760571	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.67803421	54	25.49	-04	41	07.3	14.0 VEQ038247	
68063	v2021	08	19.6780341	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.67996421	54	25.47	-04	41	04.9	14.0 VEQ038247	
68063	v2021	08	19.6799641	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.68187121	54	25.44	-04	41	02.3	14.0 VEQ038247	
68063	v2021	08	19.6818711	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.68862021	54	25.36	-04	40	53.1	14.0 VEQ038247	
68063	v2021	08	19.6886201	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.69061921	54	25.35	-04	40	50.4	13.9 VEQ038247	
68063	v2021	08	19.6906191	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.69248021	54	25.32	-04	40	48.1	14.0 VEQ038247	
68063	v2021	08	19.6924801	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.69436521	54	25.30	-04	40	45.1	14.1 VEQ038247	
68063	v2021	08	19.6943651	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.69624921	54	25.29	-04	40	42.6	14.0 VEQ038247	
68063	v2021	08	19.6962491	140.17299	+36.21435		0		EQ038247	
68063	V2021	08	19.69808821	54	25.25	-04	40	40.3	14.0 VEQ038247	
68063	v2021	08	19.6980881	140.17299	+36.21435		0		EQ038247	

68063 V2021 08 19.69992621 54 25.23 -04 40 37.9 14.1 VEQ038247
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68063 v2021 08 19.7017651 140.17299 +36.21435 0 EQ038247
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68063 V2021 08 19.70744121 54 25.17 -04 40 28.1 14.1 VEQ038247
68063 v2021 08 19.7074411 140.17299 +36.21435 0 EQ038247
68063 V2021 08 19.70941721 54 25.12 -04 40 24.9 14.1 VEQ038247
68063 v2021 08 19.7094171 140.17299 +36.21435 0 EQ038247
68063 V2021 08 19.71132521 54 25.10 -04 40 22.5 14.1 VEQ038247
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68063 V2021 08 19.71325521 54 25.06 -04 40 20.0 14.0 VEQ038247
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68063 V2021 08 19.73268021 54 24.87 -04 39 53.7 14.0 VEQ038247
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85709 C2021 08 19.42652423 04 50.84 +21 43 54.0 17.61oVEQ038T08
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86067 C2021 08 19.36472222 23 51.82 -25 36 28.7 17.64oVEQ038T05
86067 C2021 08 19.36655022 23 51.70 -25 36 32.3 17.27oVEQ038T05
86067 C2021 08 19.36929722 23 51.50 -25 36 38.6 17.58oVEQ038T05
86067 C2021 08 19.37560722 23 51.08 -25 36 52.1 17.34oVEQ038T05
87024 C2021 08 20.28034 14 49 45.333+77 10 39.66 18.2 iUEQ038F51
87024 C2021 08 20.29016 14 49 44.605+77 10 54.70 18.3 iUEQ038F51
87024 C2021 08 20.29995 14 49 43.943+77 11 09.66 18.4 iUEQ038F51
87024 C2021 08 20.30971 14 49 43.318+77 11 24.45 18.3 iUEQ038F51
87309 C2021 08 19.28836617 31 12.90 +13 46 46.3 17.73oVEQ038T08
87309 C2021 08 19.29206417 31 12.42 +13 46 48.7 17.78oVEQ038T08
87309 C2021 08 19.31083717 31 10.09 +13 47 00.5 17.86oVEQ038T08
96189 C2021 08 19.46644901 56 36.554+31 21 55.06 20.32iUEQ038F51
96189 C2021 08 19.47758401 56 36.627+31 22 01.14 20.29iUEQ038F51
96189 C2021 08 19.48876201 56 36.695+31 22 06.93 20.21iUEQ038F51
96189 C2021 08 19.49989801 56 36.782+31 22 12.93 20.31iUEQ038F51
A0004 C2021 08 19.56415602 59 28.61 -14 26 57.2 18.36oVEQ038T05
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D8205 C2021 08 19.58062404 33 22.66 +26 59 32.5 17.68oVEQ038T08
D8205 C2021 08 19.58572204 33 23.20 +26 59 36.2 17.66oVEQ038T08
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D8205 C2021 08 19.59761204 33 24.43 +26 59 45.5 17.59oVEQ038T08
D8404 C2021 08 19.17334 01 36 11.18 +14 42 21.0 18.6 RoEQ038Z22
D8404 C2021 08 19.17799 01 36 12.22 +14 42 30.6 17.7 RoEQ038Z22
D8404 C2021 08 19.52041401 37 31.15 +14 54 09.1 18.34oVEQ038T08
D8404 C2021 08 19.52225401 37 31.55 +14 54 13.0 18.57oVEQ038T08
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D8404 C2021 08 19.53060601 37 33.37 +14 54 30.2 18.40oVEQ038T08

E2464	C2021	08	19.26841617	44	50.56	+22	18	47.1	18.25	oVEQ038T08	
E2464	C2021	08	19.26887617	44	50.62	+22	18	46.3	18.04	oVEQ038T08	
E2464	C2021	08	19.28191617	44	52.44	+22	18	12.2	18.27	oVEQ038T08	
E2464	C2021	08	19.28422117	44	52.78	+22	18	06.2	18.21	oVEQ038T08	
E3649	C2021	08	19.60353204	16	23.69	-26	47	43.0	18.31	oVEQ038T05	
E3649	C2021	08	19.60582304	16	23.59	-26	47	41.8	18.30	oVEQ038T05	
E3649	C2021	08	19.61177904	16	23.49	-26	47	37.6	18.21	oVEQ038T05	
E3649	C2021	08	19.61960804	16	23.35	-26	47	33.1	18.42	oVEQ038T05	
E3649	C2021	08	19.62510004	16	23.26	-26	47	29.9	18.15	oVEQ038T05	
E3649	C2021	08	19.63195804	16	23.13	-26	47	25.1	18.42	oVEQ038T05	
F9399	C2021	08	19.61174204	57	29.042	+15	36	34.83	20.62	wUEQ038F51	
F9399	C2021	08	19.61871904	57	29.788	+15	36	29.18	20.64	wUEQ038F51	
F9399	C2021	08	19.62220604	57	30.160	+15	36	26.33	20.67	wUEQ038F51	
F9857	C2021	08	18.95940	16	45	43.94	+38	45	23.5	16.6	RoEQ038Z22
F9857	C2021	08	18.96403	16	45	43.56	+38	45	26.9	16.5	RoEQ038Z22
F9857	C2021	08	20.38146916	43	57.535	+39	06	09.97	16.19	iUEQ038F51	
F9857	C2021	08	20.38797016	43	57.023	+39	06	15.16	16.27	iUEQ038F51	
F9857	C2021	08	20.39449416	43	56.515	+39	06	20.55	16.30	iUEQ038F51	
G2186	C2021	08	19.27341116	45	18.20	-36	43	38.7	16.49	oVEQ038T05	
G2186	C2021	08	19.28308416	45	20.80	-36	43	19.0	16.50	oVEQ038T05	
G2186	C2021	08	19.29364216	45	23.58	-36	42	57.6	16.41	oVEQ038T05	
J2563	KC2019	10	25.08114905	58	34.01	+12	40	44.6	19.8	GVEQ038C95	
J2563	KC2019	10	25.08601305	58	34.19	+12	40	47.3	18.5	GVEQ038C95	
J2563	KC2019	10	25.09086205	58	34.41	+12	40	52.2	19.3	GVEQ038C95	
M3456	C2021	08	19.42448623	24	01.66	-10	16	44.4	18.38	oVEQ038T05	
M3456	C2021	08	19.42632123	24	01.48	-10	16	46.5	18.35	oVEQ038T05	
M3456	C2021	08	19.43043723	24	01.14	-10	16	50.4	18.68	oVEQ038T05	
M3456	C2021	08	19.43638523	24	00.59	-10	16	56.5	18.40	oVEQ038T05	
O2187	C2021	08	19.54522202	44	18.31	+27	40	30.2	19.05	oVEQ038T08	
O2187	C2021	08	19.55019402	44	19.13	+27	40	33.3	18.99	oVEQ038T08	
O2187	C2021	08	19.55526402	44	19.82	+27	40	36.0	19.20	oVEQ038T08	
O2187	C2021	08	19.55664702	44	20.08	+27	40	36.9	18.88	oVEQ038T08	
O2187	C2021	08	19.55710802	44	20.16	+27	40	37.2	19.04	oVEQ038T08	
O2187	C2021	08	19.56902202	44	21.91	+27	40	44.3	19.05	oVEQ038T08	
O2450	C2021	08	19.24630914	13	58.23	-18	51	19.0	15.65	oVEQ038T05	
O2450	C2021	08	19.25182014	13	58.85	-18	51	02.4	15.70	oVEQ038T05	
O2450	C2021	08	19.25502214	13	59.21	-18	50	52.5	15.61	oVEQ038T05	
O2450	C2021	08	19.26881214	14	00.74	-18	50	10.6	15.62	oVEQ038T05	
S5571	V2021	07	21.64405019	53	09.14	-15	03	40.2	12.9	VEQ038247	
S5571	v2021	07	21.6440501	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.64450919	53	09.23	-15	03	34.0	12.8	VEQ038247	
S5571	v2021	07	21.6445091	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.64496919	53	09.33	-15	03	27.4	12.9	VEQ038247	
S5571	v2021	07	21.6449691	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.64542919	53	09.46	-15	03	20.4	12.9	VEQ038247	
S5571	v2021	07	21.6454291	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.64588819	53	09.58	-15	03	13.2	13.0	VEQ038247	
S5571	v2021	07	21.6458881	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.64634819	53	09.69	-15	03	05.8	13.1	VEQ038247	
S5571	v2021	07	21.6463481	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.64680719	53	09.79	-15	02	58.9	13.1	VEQ038247	
S5571	v2021	07	21.6468071	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.64726719	53	09.91	-15	02	51.7	13.0	VEQ038247	
S5571	v2021	07	21.6472671	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.64772719	53	10.02	-15	02	45.3	13.0	VEQ038247	
S5571	v2021	07	21.6477271	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.64818619	53	10.13	-15	02	37.8	13.1	VEQ038247	
S5571	v2021	07	21.6481861	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.64864619	53	10.26	-15	02	30.7	13.3	VEQ038247	
S5571	v2021	07	21.6486461	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.65002519	53	10.58	-15	02	09.5	13.2	VEQ038247	
S5571	v2021	07	21.6500251	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.65370219	53	11.49	-15	01	13.5	13.1	VEQ038247	
S5571	v2021	07	21.6537021	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.65416119	53	11.60	-15	01	06.1	13.3	VEQ038247	
S5571	v2021	07	21.6541611	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.65508119	53	11.82	-15	00	52.4	13.3	VEQ038247	
S5571	v2021	07	21.6550811	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.65554019	53	11.94	-15	00	44.8	12.9	VEQ038247	
S5571	v2021	07	21.6555401	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.65600019	53	12.05	-15	00	38.2	12.7	VEQ038247	
S5571	v2021	07	21.6560001	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.65645919	53	12.17	-15	00	30.7	13.0	VEQ038247	
S5571	v2021	07	21.6564591	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.65737919	53	12.40	-15	00	16.7	13.3	VEQ038247	
S5571	v2021	07	21.6573791	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.65783819	53	12.50	-15	00	09.9	13.0	VEQ038247	
S5571	v2021	07	21.6578381	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.65829819	53	12.62	-15	00	02.5	13.0	VEQ038247	
S5571	v2021	07	21.6582981	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.65875819	53	12.72	-14	59	55.7	13.0	VEQ038247	
S5571	v2021	07	21.6587581	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.65921719	53	12.84	-14	59	48.8	13.1	VEQ038247	
S5571	v2021	07	21.6592171	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.65967719	53	12.95	-14	59	41.7	13.0	VEQ038247	
S5571	v2021	07	21.6596771	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.66013619	53	13.06	-14	59	34.8	13.0	VEQ038247	
S5571	v2021	07	21.6601361	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.66059619	53	13.18	-14	59	27.9	13.0	VEQ038247	
S5571	v2021	07	21.6605961	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.66105619	53	13.30	-14	59	20.7	13.1	VEQ038247	
S5571	v2021	07	21.6610561	139.83805	+35.03755	0				EQ038247	
S5571	V2021	07	21.66197519	53	13.52	-14	59	06.1	13.1	VEQ038247	

S5571	v2021	07	21.6619751	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.66243419	53 13.64	-14 58 59.5	0	13.0	VEQ038247
S5571	v2021	07	21.6624341	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.66289419	53 13.74	-14 58 52.4	0	13.1	VEQ038247
S5571	v2021	07	21.6628941	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.66335419	53 13.87	-14 58 45.1	0	13.1	VEQ038247
S5571	v2021	07	21.6633541	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.66381319	53 13.97	-14 58 38.2	0	13.1	VEQ038247
S5571	v2021	07	21.6638131	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.66427319	53 14.07	-14 58 31.8	0	13.0	VEQ038247
S5571	v2021	07	21.6642731	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.66473319	53 14.20	-14 58 24.3	0	13.1	VEQ038247
S5571	v2021	07	21.6647331	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.66519219	53 14.31	-14 58 17.1	0	13.1	VEQ038247
S5571	v2021	07	21.6651921	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.66565219	53 14.43	-14 58 10.4	0	13.0	VEQ038247
S5571	v2021	07	21.6656521	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.66611119	53 14.53	-14 58 03.2	0	13.1	VEQ038247
S5571	v2021	07	21.6661111	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.66657119	53 14.65	-14 57 56.2	0	13.1	VEQ038247
S5571	v2021	07	21.6665711	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.66703119	53 14.76	-14 57 49.4	0	13.1	VEQ038247
S5571	v2021	07	21.6670311	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.66749019	53 14.88	-14 57 42.3	0	13.0	VEQ038247
S5571	v2021	07	21.6674901	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.66841019	53 15.10	-14 57 28.3	0	13.2	VEQ038247
S5571	v2021	07	21.6684101	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.66886919	53 15.21	-14 57 21.0	0	13.0	VEQ038247
S5571	v2021	07	21.6688691	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.66932919	53 15.34	-14 57 13.9	0	13.1	VEQ038247
S5571	v2021	07	21.6693291	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.66978819	53 15.43	-14 57 07.0	0	13.0	VEQ038247
S5571	v2021	07	21.6697881	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.67024819	53 15.54	-14 57 00.0	0	12.9	VEQ038247
S5571	v2021	07	21.6702481	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.67070819	53 15.68	-14 56 52.6	0	13.0	VEQ038247
S5571	v2021	07	21.6707081	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.67116719	53 15.78	-14 56 45.6	0	12.9	VEQ038247
S5571	v2021	07	21.6711671	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.67536419	53 16.84	-14 55 40.3	0	13.0	VEQ038247
S5571	v2021	07	21.6753641	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.67582319	53 16.94	-14 55 33.4	0	13.0	VEQ038247
S5571	v2021	07	21.6758231	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.67628319	53 17.05	-14 55 26.5	0	13.0	VEQ038247
S5571	v2021	07	21.6762831	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.67674319	53 17.17	-14 55 19.3	0	13.0	VEQ038247
S5571	v2021	07	21.6767431	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.67720219	53 17.28	-14 55 12.6	0	13.0	VEQ038247
S5571	v2021	07	21.6772021	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.67766219	53 17.40	-14 55 05.3	0	13.0	VEQ038247
S5571	v2021	07	21.6776621	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.67812219	53 17.52	-14 54 58.1	0	13.0	VEQ038247
S5571	v2021	07	21.6781221	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.67858119	53 17.62	-14 54 51.4	0	13.0	VEQ038247
S5571	v2021	07	21.6785811	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.67904119	53 17.74	-14 54 44.0	0	13.0	VEQ038247
S5571	v2021	07	21.6790411	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.67950019	53 17.85	-14 54 37.0	0	13.0	VEQ038247
S5571	v2021	07	21.6795001	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.67996019	53 17.97	-14 54 30.0	0	13.0	VEQ038247
S5571	v2021	07	21.6799601	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.68042019	53 18.07	-14 54 23.0	0	12.9	VEQ038247
S5571	v2021	07	21.6804201	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.68087919	53 18.21	-14 54 15.8	0	13.0	VEQ038247
S5571	v2021	07	21.6808791	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.68133919	53 18.31	-14 54 08.8	0	13.0	VEQ038247
S5571	v2021	07	21.6813391	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.68179819	53 18.43	-14 54 01.7	0	13.0	VEQ038247
S5571	v2021	07	21.6817981	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.68225819	53 18.53	-14 53 54.9	0	13.0	VEQ038247
S5571	v2021	07	21.6822581	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.68271819	53 18.66	-14 53 47.6	0	12.9	VEQ038247
S5571	v2021	07	21.6827181	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.68317719	53 18.76	-14 53 40.7	0	12.9	VEQ038247
S5571	v2021	07	21.6831771	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.68363719	53 18.88	-14 53 33.3	0	13.0	VEQ038247
S5571	v2021	07	21.6836371	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.68409719	53 19.00	-14 53 26.2	0	13.0	VEQ038247
S5571	v2021	07	21.6840971	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.68455619	53 19.12	-14 53 19.1	0	13.0	VEQ038247
S5571	v2021	07	21.6845561	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.68501619	53 19.22	-14 53 12.2	0	12.9	VEQ038247
S5571	v2021	07	21.6850161	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.68547519	53 19.33	-14 53 05.0	0	13.0	VEQ038247
S5571	v2021	07	21.6854751	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.68593519	53 19.46	-14 52 58.1	0	12.9	VEQ038247
S5571	v2021	07	21.6859351	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.68639519	53 19.57	-14 52 51.2	0	13.0	VEQ038247
S5571	v2021	07	21.6863951	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.68685419	53 19.70	-14 52 43.8	0	13.0	VEQ038247
S5571	v2021	07	21.6868541	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.68731419	53 19.81	-14 52 37.0	0	12.9	VEQ038247
S5571	v2021	07	21.6873141	139.83805	+35.03755	0		EQ038247

S5571	V2021	07	21.68777419	53	19.90	-14	52	30.1	12.9	VEQ038247
S5571	v2021	07	21.6877741	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.68823319	53	20.02	-14	52	22.7	13.0	VEQ038247
S5571	v2021	07	21.6882331	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.68869319	53	20.14	-14	52	15.7	12.9	VEQ038247
S5571	v2021	07	21.6886931	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.68915219	53	20.24	-14	52	08.7	12.9	VEQ038247
S5571	v2021	07	21.6891521	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.68961219	53	20.37	-14	52	01.6	12.9	VEQ038247
S5571	v2021	07	21.6896121	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69007219	53	20.46	-14	51	54.5	12.9	VEQ038247
S5571	v2021	07	21.6900721	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69053119	53	20.59	-14	51	47.6	12.8	VEQ038247
S5571	v2021	07	21.6905311	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69099119	53	20.72	-14	51	40.4	12.9	VEQ038247
S5571	v2021	07	21.6909911	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69145019	53	20.83	-14	51	33.4	12.9	VEQ038247
S5571	v2021	07	21.6914501	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69191019	53	20.94	-14	51	26.1	13.0	VEQ038247
S5571	v2021	07	21.6919101	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69237019	53	21.05	-14	51	19.2	13.0	VEQ038247
S5571	v2021	07	21.6923701	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69282919	53	21.16	-14	51	12.1	13.0	VEQ038247
S5571	v2021	07	21.6928291	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69328919	53	21.28	-14	51	05.5	12.9	VEQ038247
S5571	v2021	07	21.6932891	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69374919	53	21.40	-14	50	58.3	13.0	VEQ038247
S5571	v2021	07	21.6937491	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69420819	53	21.53	-14	50	51.6	13.0	VEQ038247
S5571	v2021	07	21.6942081	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69466819	53	21.62	-14	50	44.4	13.0	VEQ038247
S5571	v2021	07	21.6946681	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69512719	53	21.76	-14	50	36.6	13.0	VEQ038247
S5571	v2021	07	21.6951271	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69558719	53	21.89	-14	50	29.2	13.0	VEQ038247
S5571	v2021	07	21.6955871	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69604719	53	21.99	-14	50	22.7	12.9	VEQ038247
S5571	v2021	07	21.6960471	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69650619	53	22.09	-14	50	15.5	13.0	VEQ038247
S5571	v2021	07	21.6965061	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69696619	53	22.20	-14	50	08.4	13.0	VEQ038247
S5571	v2021	07	21.6969661	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69742519	53	22.33	-14	50	01.4	13.1	VEQ038247
S5571	v2021	07	21.6974251	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.69880419	53	22.69	-14	49	39.9	13.1	VEQ038247
S5571	v2021	07	21.6988041	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.70018319	53	23.01	-14	49	19.0	12.7	VEQ038247
S5571	v2021	07	21.7001831	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.70202219	53	23.46	-14	48	50.8	13.0	VEQ038247
S5571	v2021	07	21.7020221	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.70248119	53	23.59	-14	48	43.5	13.0	VEQ038247
S5571	v2021	07	21.7024811	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.70661119	53	24.62	-14	47	40.0	12.9	VEQ038247
S5571	v2021	07	21.7066111	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.70707019	53	24.74	-14	47	32.7	13.0	VEQ038247
S5571	v2021	07	21.7070701	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.70753019	53	24.85	-14	47	25.4	13.0	VEQ038247
S5571	v2021	07	21.7075301	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.70798919	53	24.97	-14	47	18.5	12.9	VEQ038247
S5571	v2021	07	21.7079891	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.70844919	53	25.09	-14	47	11.3	13.0	VEQ038247
S5571	v2021	07	21.7084491	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.70890919	53	25.20	-14	47	04.6	12.9	VEQ038247
S5571	v2021	07	21.7089091	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.70936819	53	25.33	-14	46	57.2	13.0	VEQ038247
S5571	v2021	07	21.7093681	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.70982819	53	25.44	-14	46	50.3	12.9	VEQ038247
S5571	v2021	07	21.7098281	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.71028819	53	25.57	-14	46	43.1	13.0	VEQ038247
S5571	v2021	07	21.7102881	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.71074719	53	25.69	-14	46	35.8	13.0	VEQ038247
S5571	v2021	07	21.7107471	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.71120719	53	25.79	-14	46	29.2	13.0	VEQ038247
S5571	v2021	07	21.7112071	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.71166619	53	25.92	-14	46	22.0	13.0	VEQ038247
S5571	v2021	07	21.7116661	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.71212619	53	26.03	-14	46	14.5	13.0	VEQ038247
S5571	v2021	07	21.7121261	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.71258619	53	26.14	-14	46	07.6	13.0	VEQ038247
S5571	v2021	07	21.7125861	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.71304519	53	26.25	-14	46	00.7	13.0	VEQ038247
S5571	v2021	07	21.7130451	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.71350519	53	26.37	-14	45	53.7	13.0	VEQ038247
S5571	v2021	07	21.7135051	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.71396419	53	26.49	-14	45	46.4	12.8	VEQ038247
S5571	v2021	07	21.7139641	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.71442419	53	26.60	-14	45	39.5	12.8	VEQ038247
S5571	v2021	07	21.7144241	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.71488419	53	26.71	-14	45	32.1	12.9	VEQ038247
S5571	v2021	07	21.7148841	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.71534319	53	26.85	-14	45	25.0	13.0	VEQ038247
S5571	v2021	07	21.7153431	139.83805		+35.03755			0	EQ038247
S5571	V2021	07	21.71580319	53	26.95	-14	45	17.9	13.0	VEQ038247

S5571	v2021	07	21.7158031	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.71626319	53 27.06	-14 45 11.1	0	13.0	VEQ038247
S5571	v2021	07	21.7162631	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.71672219	53 27.19	-14 45 03.8	0	13.0	VEQ038247
S5571	v2021	07	21.7167221	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.71718219	53 27.29	-14 44 57.1	0	12.9	VEQ038247
S5571	v2021	07	21.7171821	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.71764119	53 27.41	-14 44 49.7	0	13.0	VEQ038247
S5571	v2021	07	21.7176411	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.71810119	53 27.54	-14 44 42.8	0	13.0	VEQ038247
S5571	v2021	07	21.7181011	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.71856119	53 27.64	-14 44 35.6	0	12.9	VEQ038247
S5571	v2021	07	21.7185611	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.71902019	53 27.78	-14 44 28.7	0	12.9	VEQ038247
S5571	v2021	07	21.7190201	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.71984819	53 27.94	-14 44 16.3	0	13.0	VEQ038247
S5571	v2021	07	21.7198481	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72099719	53 28.27	-14 43 58.0	0	13.0	VEQ038247
S5571	v2021	07	21.7209971	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72145619	53 28.39	-14 43 50.9	0	13.0	VEQ038247
S5571	v2021	07	21.7214561	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72191619	53 28.49	-14 43 44.1	0	12.9	VEQ038247
S5571	v2021	07	21.7219161	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72237619	53 28.62	-14 43 36.6	0	12.9	VEQ038247
S5571	v2021	07	21.7223761	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72283519	53 28.72	-14 43 29.9	0	13.0	VEQ038247
S5571	v2021	07	21.7228351	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72329519	53 28.82	-14 43 23.3	0	13.0	VEQ038247
S5571	v2021	07	21.7232951	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72375419	53 28.97	-14 43 16.0	0	12.9	VEQ038247
S5571	v2021	07	21.7237541	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72421419	53 29.09	-14 43 08.3	0	13.0	VEQ038247
S5571	v2021	07	21.7242141	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72467419	53 29.19	-14 43 01.7	0	13.0	VEQ038247
S5571	v2021	07	21.7246741	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72513319	53 29.32	-14 42 54.9	0	13.0	VEQ038247
S5571	v2021	07	21.7251331	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72559319	53 29.43	-14 42 47.5	0	13.0	VEQ038247
S5571	v2021	07	21.7255931	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72605219	53 29.55	-14 42 40.4	0	13.0	VEQ038247
S5571	v2021	07	21.7260521	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72651219	53 29.67	-14 42 33.3	0	13.0	VEQ038247
S5571	v2021	07	21.7265121	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72697219	53 29.79	-14 42 26.6	0	13.0	VEQ038247
S5571	v2021	07	21.7269721	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72743119	53 29.91	-14 42 18.8	0	13.0	VEQ038247
S5571	v2021	07	21.7274311	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72789119	53 30.01	-14 42 11.8	0	13.0	VEQ038247
S5571	v2021	07	21.7278911	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72835119	53 30.13	-14 42 05.4	0	13.1	VEQ038247
S5571	v2021	07	21.7283511	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72881019	53 30.26	-14 41 58.0	0	13.0	VEQ038247
S5571	v2021	07	21.7288101	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72927019	53 30.37	-14 41 50.7	0	13.1	VEQ038247
S5571	v2021	07	21.7292701	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.72982119	53 30.47	-14 41 43.7	0	13.5	VEQ038247
S5571	v2021	07	21.7298211	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.73147619	53 30.90	-14 41 17.2	0	13.1	VEQ038247
S5571	v2021	07	21.7314761	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.73193619	53 31.05	-14 41 10.2	0	13.0	VEQ038247
S5571	v2021	07	21.7319361	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.73239519	53 31.16	-14 41 03.1	0	13.1	VEQ038247
S5571	v2021	07	21.7323951	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.73285519	53 31.29	-14 40 55.9	0	13.1	VEQ038247
S5571	v2021	07	21.7328551	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.73331419	53 31.41	-14 40 48.6	0	13.1	VEQ038247
S5571	v2021	07	21.7333141	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	21.73377419	53 31.53	-14 40 41.4	0	13.2	VEQ038247
S5571	v2021	07	21.7337741	139.83805	+35.03755	0		EQ038247
S5571	V2021	07	22.87994819	59 05.11	-09 49 29.1	0	13.1	VEQ038247
S5571	v2021	07	22.8799481	006.40757	+52.19007	0		EQ038247
S5571	V2021	07	22.88040719	59 05.18	-09 49 22.9	0	13.1	VEQ038247
S5571	v2021	07	22.8804071	006.40757	+52.19007	0		EQ038247
S5571	V2021	07	22.88132719	59 05.36	-09 49 08.9	0	13.2	VEQ038247
S5571	v2021	07	22.8813271	006.40757	+52.19007	0		EQ038247
S5571	V2021	07	22.88270519	59 05.83	-09 48 48.9	0	13.0	VEQ038247
S5571	v2021	07	22.8827051	006.40757	+52.19007	0		EQ038247
S5571	V2021	07	22.88362519	59 06.11	-09 48 33.9	0	13.6	VEQ038247
S5571	v2021	07	22.8836251	006.40757	+52.19007	0		EQ038247
S5571	V2021	07	22.88546319	59 06.52	-09 48 06.7	0	13.2	VEQ038247
S5571	v2021	07	22.8854631	006.40757	+52.19007	0		EQ038247
S5571	V2021	07	22.88592319	59 06.53	-09 47 59.9	0	13.4	VEQ038247
S5571	v2021	07	22.8859231	006.40757	+52.19007	0		EQ038247
S5571	V2021	07	22.88638219	59 06.80	-09 47 52.8	0	13.5	VEQ038247
S5571	v2021	07	22.8863821	006.40757	+52.19007	0		EQ038247
S5571	V2021	07	22.88684219	59 06.77	-09 47 46.2	0	13.3	VEQ038247
S5571	v2021	07	22.8868421	006.40757	+52.19007	0		EQ038247
S5571	V2021	07	22.88730219	59 06.87	-09 47 38.8	0	13.0	VEQ038247
S5571	v2021	07	22.8873021	006.40757	+52.19007	0		EQ038247
S5571	V2021	07	22.88776119	59 07.07	-09 47 32.1	0	13.2	VEQ038247
S5571	v2021	07	22.8877611	006.40757	+52.19007	0		EQ038247
S5571	V2021	07	22.88914019	59 07.40	-09 47 10.5	0	13.2	VEQ038247
S5571	v2021	07	22.8891401	006.40757	+52.19007	0		EQ038247

S5571	V2021	07	22.88960019	59	07.46	-09	47	03.7	0	13.5	VEQ038247
S5571	v2021	07	22.8896001	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.89005919	59	07.62	-09	46	56.7	0	13.4	VEQ038247
S5571	v2021	07	22.8900591	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.89097919	59	07.78	-09	46	43.2	0	13.3	VEQ038247
S5571	v2021	07	22.8909791	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.89143819	59	08.00	-09	46	36.8	0	13.2	VEQ038247
S5571	v2021	07	22.8914381	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.89189819	59	08.04	-09	46	29.5	0	13.3	VEQ038247
S5571	v2021	07	22.8918981	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.89235719	59	08.19	-09	46	22.0	0	13.3	VEQ038247
S5571	v2021	07	22.8923571	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.89281719	59	08.36	-09	46	14.7	0	13.2	VEQ038247
S5571	v2021	07	22.8928171	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.89327719	59	08.46	-09	46	07.7	0	13.4	VEQ038247
S5571	v2021	07	22.8932771	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.89373619	59	08.52	-09	46	00.8	0	13.4	VEQ038247
S5571	v2021	07	22.8937361	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.89465519	59	08.69	-09	45	47.8	0	13.1	VEQ038247
S5571	v2021	07	22.8946551	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.89511519	59	08.82	-09	45	40.5	0	13.3	VEQ038247
S5571	v2021	07	22.8951151	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.89557519	59	08.93	-09	45	34.0	0	13.3	VEQ038247
S5571	v2021	07	22.8955751	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.90384819	59	11.03	-09	43	27.6	0	13.1	VEQ038247
S5571	v2021	07	22.9038481	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.90476719	59	11.21	-09	43	14.5	0	13.6	VEQ038247
S5571	v2021	07	22.9047671	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.90937119	59	12.42	-09	42	03.9	0	13.3	VEQ038247
S5571	v2021	07	22.9093711	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.91166919	59	13.06	-09	41	29.2	0	13.4	VEQ038247
S5571	v2021	07	22.9116691	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.91580519	59	13.99	-09	40	26.5	0	13.6	VEQ038247
S5571	v2021	07	22.9158051	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.91764419	59	14.46	-09	40	00.1	0	13.2	VEQ038247
S5571	v2021	07	22.9176441	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.92040219	59	15.04	-09	39	17.1	0	13.5	VEQ038247
S5571	v2021	07	22.9204021	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.94226119	59	20.47	-09	33	46.4	0	13.2	VEQ038247
S5571	v2021	07	22.9422611	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.94364019	59	20.79	-09	33	25.1	0	13.2	VEQ038247
S5571	v2021	07	22.9436401	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.95329219	59	23.15	-09	30	58.2	0	13.0	VEQ038247
S5571	v2021	07	22.9532921	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.95375219	59	23.35	-09	30	52.1	0	13.1	VEQ038247
S5571	v2021	07	22.9537521	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.95467119	59	23.49	-09	30	38.9	0	13.3	VEQ038247
S5571	v2021	07	22.9546711	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.95742919	59	24.16	-09	29	56.8	0	13.4	VEQ038247
S5571	v2021	07	22.9574291	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.95788819	59	24.30	-09	29	50.2	0	13.2	VEQ038247
S5571	v2021	07	22.9578881	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.95834819	59	24.37	-09	29	41.9	0	13.1	VEQ038247
S5571	v2021	07	22.9583481	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.95926719	59	24.67	-09	29	27.5	0	13.1	VEQ038247
S5571	v2021	07	22.9592671	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.96386319	59	25.73	-09	28	19.2	0	13.1	VEQ038247
S5571	v2021	07	22.9638631	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	22.96662119	59	26.36	-09	27	36.8	0	13.1	VEQ038247
S5571	v2021	07	22.9666211	006.40757		+52.19007			0		EQ038247
S5571	V2021	07	25.25983920	09	36.64	-00	04	17.1	0	13.6	VEQ038247
S5571	v2021	07	25.2598391	236.86643		+49.13905			0		EQ038247
S5571	V2021	07	25.26039120	09	36.76	-00	04	09.2	0	13.5	VEQ038247
S5571	v2021	07	25.2603911	236.86643		+49.13905			0		EQ038247
S5571	V2021	07	25.26094220	09	36.89	-00	04	01.3	0	13.4	VEQ038247
S5571	v2021	07	25.2609421	236.86643		+49.13905			0		EQ038247
S5571	V2021	07	25.26149420	09	37.01	-00	03	53.0	0	13.5	VEQ038247
S5571	v2021	07	25.2614941	236.86643		+49.13905			0		EQ038247
S5571	V2021	07	25.26204520	09	37.12	-00	03	46.3	0	13.5	VEQ038247
S5571	v2021	07	25.2620451	236.86643		+49.13905			0		EQ038247
S5571	V2021	07	25.26259720	09	37.27	-00	03	37.6	0	13.7	VEQ038247
S5571	v2021	07	25.2625971	236.86643		+49.13905			0		EQ038247
S5571	V2021	07	25.26314820	09	37.37	-00	03	30.4	0	13.6	VEQ038247
S5571	v2021	07	25.2631481	236.86643		+49.13905			0		EQ038247
S5571	V2021	07	25.26425220	09	37.64	-00	03	13.7	0	13.8	VEQ038247
S5571	v2021	07	25.2642521	236.86643		+49.13905			0		EQ038247
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S5571	v2021	07	25.2648031	236.86643		+49.13905			0		EQ038247
S5571	V2021	07	25.26535520	09	37.88	-00	02	59.2	0	13.3	VEQ038247
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S5571	v2021	07	25.2659061	236.86643		+49.13905			0		EQ038247
S5571	V2021	07	25.26645820	09	38.11	-00	02	42.7	0	13.7	VEQ038247
S5571	v2021	07	25.2664581	236.86643		+49.13905			0		EQ038247
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W6732	C2021	07	30.83918	21	28	57.09	+10	50	35.5	YEQ038557
W6732	C2021	07	30.85080	21	29	00.26	+10	50	22.7	YEQ038557
W6732	C2021	07	30.86242	21	29	03.44	+10	50	09.8	YEQ038557
W6732	C2021	07	31.84128	21	33	38.74	+10	30	59.4	YEQ038557
W6732	C2021	07	31.87572	21	33	48.04	+10	30	18.8	YEQ038557
W6732	C2021	07	31.91966	21	33	59.82	+10	29	26.5	YEQ038557
W6732	C2021	07	31.95094	21	34	08.18	+10	28	48.8	YEQ038557
W6732	C2021	08	09.93976	22	13	42.08	+06	45	48.7	YEQ038557
W6732	C2021	08	09.98139	22	13	51.67	+06	44	38.0	YEQ038557
W6732	C2021	08	10.02218	22	14	01.01	+06	43	28.9	YEQ038557
W6732	C2021	08	10.05825	22	14	09.29	+06	42	27.3	YEQ038557
W6732	C2021	08	10.09904	22	14	18.70	+06	41	17.4	YEQ038557
W6732	C2021	08	10.84604	22	17	21.59	+06	19	54.7	YEQ038557
W6732	C2021	08	10.88878	22	17	31.39	+06	18	41.8	YEQ038557
W6732	C2021	08	10.92801	22	17	40.28	+06	17	34.5	YEQ038557
W6732	C2021	08	10.96880	22	17	49.45	+06	16	24.4	YEQ038557
W6732	C2021	08	11.00957	22	17	58.60	+06	15	13.9	YEQ038557
W6732	C2021	08	14.84600	22	32	29.57	+04	22	02.7	YEQ038557
W6732	C2021	08	14.88668	22	32	37.95	+04	20	50.1	YEQ038557
W6732	C2021	08	14.93319	22	32	47.42	+04	19	27.0	YEQ038557
W6732	C2021	08	14.97861	22	32	56.59	+04	18	05.4	YEQ038557
W6732	C2021	08	15.01912	22	33	04.72	+04	16	52.6	YEQ038557
W6732	C2021	08	15.06227	22	33	13.40	+04	15	35.0	YEQ038557
W6732	C2021	08	15.09863	22	33	20.75	+04	14	29.4	YEQ038557
W6732	KC2021	08	19.81112	22	49	00.69	+01	53	21.8	15.1 VqEQ038L47
W6732	KC2021	08	19.83854	22	49	05.49	+01	52	33.2	14.9 VqEQ038L47
a7525	C2021	08	19.35298621	28	23.96	+22	58	48.2	18.76oVEQ038T08	
a7525	C2021	08	19.35674021	28	23.55	+22	58	48.2	18.60oVEQ038T08	
a7525	C2021	08	19.36227421	28	22.90	+22	58	48.9	18.92oVEQ038T08	
a7525	C2021	08	19.36734621	28	22.38	+22	58	49.0	18.62oVEQ038T08	
d9611	C2021	08	19.38658522	42	52.07	-18	39	41.4	18.50oVEQ038T05	
d9611	C2021	08	19.38842822	42	52.00	-18	39	45.9	18.45oVEQ038T05	
d9611	C2021	08	19.39208722	42	51.61	-18	39	53.9	18.35oVEQ038T05	
d9611	C2021	08	19.40068322	42	50.76	-18	40	14.6	18.08oVEQ038T05	
f4429	C2021	08	19.56781603	00	09.35	-46	37	34.0	18.05oVEQ038T05	
f4429	C2021	08	19.57101803	00	09.06	-46	37	36.6	18.33oVEQ038T05	
f4429	C2021	08	19.57652603	00	08.47	-46	37	40.7	18.64oVEQ038T05	
f4429	C2021	08	19.58658903	00	07.57	-46	37	49.4	18.23oVEQ038T05	
f4429	C2021	08	19.58704603	00	07.48	-46	37	50.1	18.64oVEQ038T05	
f4429	C2021	08	19.59070603	00	07.10	-46	37	52.6	18.33oVEQ038T05	
f4429	C2021	08	19.59667003	00	06.49	-46	37	57.8	18.36oVEQ038T05	
f4429	C2021	08	19.61454603	00	04.73	-46	38	12.8	18.40oVEQ038T05	
i5775	C2021	08	19.37835222	22	39.34	-14	03	22.4	18.04oVEQ038T05	
i5775	C2021	08	19.38018122	22	38.95	-14	03	23.1	18.18oVEQ038T05	
i5775	C2021	08	19.38430122	22	38.07	-14	03	24.8	18.18oVEQ038T05	
i5775	C2021	08	19.38934322	22	36.99	-14	03	27.5	17.86oVEQ038T05	
j2314	C2021	08	19.54992002	37	31.65	-04	58	46.5	19.18oVEQ038T05	
j2314	C2021	08	19.55314402	37	31.88	-04	58	48.4	19.24oVEQ038T05	
j2314	C2021	08	19.55864202	37	32.28	-04	58	51.7	19.43oVEQ038T05	
j2314	C2021	08	19.56873202	37	33.05	-04	58	56.7	19.16oVEQ038T05	
l11241	C2021	08	19.46320701	36	39.227	+29	54	50.49	20.38iUEQ038F51	
l11241	C2021	08	19.47433301	36	38.455	+29	54	56.78	20.30iUEQ038F51	
l11241	C2021	08	19.48549301	36	37.680	+29	55	03.23	20.48iUEQ038F51	
l11241	C2021	08	19.49664201	36	36.908	+29	55	09.86	20.31iUEQ038F51	
q3664	C2021	08	19.30231918	10	13.32	+36	58	00.2	18.02oVEQ038T08	
q3664	C2021	08	19.30509418	10	12.98	+36	57	54.0	18.09oVEQ038T08	
q3664	C2021	08	19.32552218	10	10.27	+36	57	07.6	18.01oVEQ038T08	

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