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## MPEC 2020-X12 : DAILY ORBIT UPDATE (2020 December 4)

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M.P.E.C. 2020-X12

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DAILY ORBIT UPDATE (2020 December 4)

Update to 2020-X05

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

### New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J95S84D	17.6	0.15	K20CH	337.164	74.130	18.673	16.748	0.17056	2.57018	5	X
J98S12T	16.8	0.15	K20CH	11.276	80.981	291.904	16.049	0.38286	3.13355	4	X
J99V46A	17.5	0.15	K20CH	358.278	206.566	219.920	36.363	0.35079	2.59778	3	X
K00P27Q	20.0	0.15	K20CH	25.690	44.314	321.178	7.286	0.42125	2.22800	3	X
K01P04S	16.8	0.15	K20CH	29.277	327.387	339.532	23.074	0.21397	2.17583	8	X
K01Q92R	17.5	0.15	K20CH	33.846	99.156	254.599	14.569	0.21003	2.42210	6	X
K01Q99Z	17.2	0.15	K20CH	22.191	175.986	203.729	6.401	0.46072	2.83111	4	X
K01QA7N	17.9	0.15	K20CH	42.730	101.380	259.851	17.748	0.09701	1.93280	10	X
K01QF0Y	15.3	0.15	K20CH	356.461	130.094	263.043	24.112	0.08500	2.81162	8	X
K01R03R	17.9	0.15	K20CH	16.953	355.442	347.283	41.238	0.39919	2.44393	4	X
K01S12N	16.7	0.15	K20CH	68.317	343.701	337.954	13.300	0.21198	2.79075	5	X
K01T82Z	17.8	0.15	K20CH	5.042	209.723	221.972	7.774	0.30327	2.41731	5	X
K01U01D	18.9	0.15	K20CH	33.282	237.620	118.690	4.130	0.28254	2.43229	4	V
K01W07O	18.6	0.15	K20CH	28.440	276.602	100.127	5.790	0.16754	2.16265	5	V
K02AE0A	16.9	0.15	K20CH	79.610	165.662	267.837	23.360	0.20249	2.36662	4	V
K02G08Z	18.7	0.15	K20CH	356.402	161.489	309.784	5.314	0.63982	2.82539	4	X
K02N16M	16.9	0.15	K20CH	47.208	236.075	114.851	10.091	0.29120	2.31842	9	X
K02O34T	16.5	0.15	K20CH	30.579	330.441	325.988	17.198	0.26044	2.72776	10	X
K02O37L	17.0	0.15	K20CH	42.286	85.757	262.151	20.564	0.26006	2.33279	6	X
K02P87T	17.8	0.15	K20CH	37.280	33.238	325.212	19.151	0.10936	1.86851	6	X
K02PIOV	15.9	0.15	K20CH	13.382	102.163	294.979	12.421	0.10650	3.20121	7	X
K02PJ1V	16.8	0.15	K20CH	6.477	70.402	326.060	22.584	0.09915	2.66957	7	X
K02PJ3A	18.9	0.15	K20CH	50.229	29.313	312.101	5.197	0.28183	2.32686	3	V
K02PJ6R	15.4	0.15	K20CH	297.637	205.689	275.015	14.515	0.07263	3.15392	9	X
K02PK6C	17.5	0.15	K20CH	359.982	67.785	303.826	21.234	0.26868	2.36164	6	X
K02QD5J	19.6	0.15	K20CH	48.244	5.423	351.429	13.030	0.21210	1.86776	3	V
K02RI1D	17.6	0.15	K20CH	33.900	4.261	8.486	9.431	0.23168	2.33322	6	X
K02S13P	17.3	0.15	K20CH	30.115	73.486	289.044	13.287	0.27540	2.71281	4	X
K02S15A	17.2	0.15	K20CH	358.636	154.126	257.201	11.966	0.28434	2.71890	5	X
K02TL2T	16.0	0.15	K20CH	30.524	288.588	94.553	12.283	0.19081	2.69381	11	X
K02U12R	16.1	0.15	K20CH	311.211	246.890	223.835	54.466	0.32707	2.76307	7	X
K02W33E	17.8	0.15	K20CH	112.619	23.120	58.489	14.724	0.23192	2.58538	4	V
K02X04Z	16.6	0.15	K20CH	36.829	118.148	238.302	19.171	0.28861	2.33599	8	X
K03A22Y	17.5	0.15	K20CH	221.724	267.346	282.201	19.798	0.09131	1.90716	9	X

K03G29W	18.7	0.15	K20CH	21.750	15.583	18.299	20.943	0.08019	1.92703	6 X
K03S97Z	16.8	0.15	K20CH	44.289	120.389	244.776	11.453	0.17661	2.59720	7 X
K03SD0V	17.0	0.15	K20CH	9.763	48.556	349.563	21.976	0.03515	2.59752	2 X
K03SH50	17.2	0.15	K20CH	20.887	25.621	3.125	13.608	0.16896	2.59756	2 X
K03SY1U	15.4	0.15	K20CH	272.798	208.058	285.706	17.707	0.19544	3.08980	7 X
K03SY3A	16.2	0.15	K20CH	354.736	65.000	0.053	15.159	0.21733	3.12111	8 X
K03Sk9F	17.9	0.15	K20CH	58.667	86.935	334.683	6.815	0.25444	3.04500	5 V
K03T00W	16.8	0.15	K20CH	39.207	351.838	7.248	14.078	0.23221	3.14446	3 X
K03T48N	16.6	0.15	K20CH	37.306	21.780	345.938	11.861	0.14971	3.12613	7 X
K03U00R	17.5	0.15	K20CH	27.260	65.430	281.613	22.716	0.25864	2.26669	9 X
K03U05R	19.3	0.15	K20CH	20.014	120.075	258.834	9.258	0.37185	2.62306	2 V
K03U78J	16.9	0.15	K20CH	26.046	94.407	277.561	3.838	0.24422	2.62520	9 X
K03U96L	15.8	0.15	K20CH	34.544	321.359	54.671	18.125	0.21184	3.15672	6 X
K03UU2M	17.6	0.15	K20CH	8.049	39.656	10.870	11.773	0.18322	2.60799	6 X
K03UW5B	16.2	0.15	K20CH	353.657	76.557	273.203	11.518	0.25153	3.21144	8 X
K03W11Y	17.2	0.15	K20CH	354.684	168.541	267.318	13.018	0.28164	2.62524	7 X
K03W92Z	16.0	0.15	K20CH	4.728	149.675	251.067	13.255	0.21066	3.18930	6 X
K03W99W	16.7	0.15	K20CH	6.163	152.903	250.292	25.320	0.34680	3.16693	3 X
K03WA4T	16.6	0.15	K20CH	331.868	228.816	245.232	30.777	0.21750	2.62834	8 X
K03Y97V	17.2	0.15	K20CH	14.839	132.419	252.242	10.931	0.30404	2.64493	5 X
K03YD9R	16.3	0.15	K20CH	19.264	135.938	30.845	10.917	0.13373	2.52869	9 V
K04A00C	18.9	0.15	K20CH	340.537	171.346	13.591	11.518	0.67188	1.80177	4 X
K04BH1Q	16.3	0.15	K20CH	316.920	180.886	282.237	15.833	0.10093	3.23057	7 X
K04D87E	16.7	0.15	K20CH	226.037	261.145	292.826	12.537	0.04539	2.71909	6 X
K04L03U	18.4	0.15	K20CH	32.787	224.669	113.674	9.810	0.53152	2.17574	5 X
K04RG3Z	17.0	0.15	K20CH	12.732	45.418	344.064	14.116	0.27527	3.03919	6 X
K04RMLP	15.5	0.15	K20CH	19.648	78.765	247.942	16.894	0.21841	3.09301	9 X
K04T73D	17.2	0.15	K20CH	0.321	171.802	205.172	35.106	0.32791	3.09299	3 V
K04V11T	16.0	0.15	K20CH	5.299	127.303	253.403	19.976	0.26613	3.09541	5 X
K04X66D	15.7	0.15	K20CH	344.163	124.415	245.862	24.504	0.15475	3.17830	6 X
K04XA5F	15.2	0.15	K20CH	338.840	129.751	269.365	21.651	0.10026	3.15210	7 X
K04XD3R	16.5	0.15	K20CH	10.672	112.640	271.700	13.859	0.33747	3.08159	4 X
K04XF1V	16.5	0.15	K20CH	133.732	2.318	269.268	16.052	0.11493	2.55361	7 X
K04XJ9G	15.7	0.15	K20CH	214.331	338.227	241.936	16.819	0.01641	3.03788	5 V
K04Y29M	15.2	0.15	K20CH	88.203	30.774	263.212	17.884	0.02762	3.18827	8 X
K04Y38A	16.9	0.15	K20CH	8.512	40.640	2.359	7.497	0.23883	2.55727	7 X
K04Y39L	17.5	0.15	K20CH	344.007	95.929	349.290	11.514	0.22797	2.54659	4 X
K05B52A	16.1	0.15	K20CH	27.056	73.709	309.356	15.283	0.05252	3.18159	9 X
K05B52R	17.1	0.15	K20CH	27.630	76.348	300.940	10.661	0.20609	2.57188	7 X
K05EW5B	17.7	0.15	K20CH	9.123	261.711	127.923	2.846	0.18334	2.62470	8 V
K05G35C	18.3	0.15	K20CH	333.351	99.840	347.281	20.965	0.10012	1.95782	4 X
K05Q41K	17.5	0.15	K20CH	16.056	37.044	337.843	23.090	0.23442	2.40770	6 X
K05ST8X	19.3	0.15	K20CH	246.336	332.646	46.164	5.038	0.18462	2.19262	2 X
K05T14E	17.4	0.15	K20CH	16.186	48.575	344.968	7.535	0.20861	2.40017	7 X
K05T39O	17.2	0.15	K20CH	9.840	13.178	29.684	26.058	0.18682	2.41066	5 X
K05W58V	17.2	0.15	K20CH	16.535	325.839	55.855	6.639	0.37256	2.40283	9 X
K05W87A	15.7	0.15	K20CH	15.506	108.832	273.913	12.674	0.20589	2.99295	6 X
K05WL7Z	17.4	0.15	K20CH	181.586	74.731	296.032	1.582	0.02979	2.72999	10 V
K05X50D	16.1	0.15	K20CH	0.927	120.782	287.966	8.303	0.05248	2.98982	10 X
K06A94W	15.9	0.15	K20CH	166.490	300.266	303.924	12.136	0.20395	3.10032	9 X
K06BR0C	16.0	0.15	K20CH	335.831	162.755	277.268	7.195	0.19285	3.02129	9 X
K06D00X	23.9	0.15	K20CH	120.568	83.361	331.137	6.286	0.16778	1.14377	2 X
K06P00Q	16.5	0.15	K20CH	245.597	224.782	302.400	13.853	0.02074	2.68637	8 X
K06P03Z	17.3	0.15	K20CH	45.220	355.496	355.662	6.376	0.26487	2.27768	9 X
K06Q03B	17.6	0.15	K20CH	5.385	72.883	340.689	9.112	0.39556	2.76472	5 X
K06Q81K	17.0	0.15	K20CH	338.226	95.092	343.832	23.805	0.24035	2.28856	6 X
K06Q99H	17.4	0.15	K20CH	35.657	25.943	343.210	17.875	0.07837	1.97374	6 X
K06QA5Q	16.3	0.15	K20CH	161.366	302.289	311.114	10.256	0.03866	2.69504	13 X
K06Q15S	16.3	0.15	K20CH	131.981	286.461	341.994	12.891	0.17362	2.71247	11 X
K06R37J	16.2	0.15	K20CH	33.781	352.962	15.007	13.880	0.15152	2.75806	9 X
K06S29Q	17.3	0.15	K20CH	45.778	52.243	303.695	9.696	0.09979	2.72679	6 V
K06S42H	18.2	0.15	K20CH	152.332	4.666	144.606	1.831	0.11946	2.41604	7 V
K06S15A	17.0	0.15	K20CH	65.509	322.731	13.324	25.870	0.11190	2.74900	5 X
K06Sj2N	18.1	0.15	K20CH	267.502	333.088	43.954	5.789	0.14331	2.45416	8 V
K06UI3G	16.3	0.15	K20CH	10.424	163.569	247.980	10.915	0.21778	2.74856	9 X
K06UJ2G	16.5	0.15	K20CH	3.653	138.876	277.568	6.695	0.27161	2.78331	6 X
K06Y37F	16.0	0.15	K20CH	48.072	31.086	314.377	11.685	0.11022	2.92299	7 X
K07B01M	17.8	0.15	K20CH	14.171	332.638	74.373	2.339	0.17595	2.34233	10 X
K07B23N	17.5	0.15	K20CH	340.701	137.039	304.554	15.109	0.20568	2.86027	5 X
K07B25V	18.5	0.15	K20CH	166.425	318.487	114.059	2.785	0.19983	2.57396	3 V
K07BB7O	17.9	0.15	K20CH	99.990	138.299	309.600	8.505	0.12278	2.67819	5 V
K07D34M	19.2	0.15	K20CH	123.838	308.018	159.308	24.582	0.12759	1.91324	4 V
K07EA3K	16.5	0.15	K20CH	83.686	316.808	357.295	16.284	0.11931	3.04108	8 X
K07G81O	18.2	0.15	K20CH	137.412	339.953	189.470	2.618	0.09088	2.56934	5 V
K07P35O	16.7	0.15	K20CH	16.846	355.705	324.740	13.555	0.25350	2.68469	6 X
K07Q20C	18.0	0.15	K20CH	27.632	187.193	180.231	14.414	0.16239	2.61686	5 V
K07RE7B	17.5	0.15	K20CH	20.787	10.442	2.294	13.067	0.29400	2.64517	3 X
K07RH8Y	16.9	0.15	K20CH	317.060	88.164	19.263	22.239	0.07615	2.61309	6 X
K07RV3M	18.2	0.15	K20CH	9.604	22.435	15.177	21.424	0.07341	1.89552	4 X
K07Ra4P	18.4	0.15	K20CH	30.918	216.556	132.943	2.993	0.21963	2.63914	5 V
K07Ra4Q	16.6	0.15	K20CH	23.639	69.617	328.242	14.185	0.09760	2.56442	8 V
K07S26W	18.6	0.15	K20CH	238.572	284.185	66.472	3.013	0.22593	2.36066	5 X
K07TD1U	19.0	0.15	K20CH	24.893	338.772	32.536	6.465	0.16589	2.20313	3 V
K07TL8M	17.3	0.15	K20CH	141.948	347.273	38.644	11.485	0.23388	3.14039	2 X
K07Tg0O	17.6	0.15	K20CH	359.357	127.930	281.210	10.718	0.35901	2.65760	5 X
K07T19U	17.4	0.15	K20CH	36.866	101.944	249.779	9.385	0.27050	2.64766	7 X
K07Tn0X	18.7	0.15	K20CH	5.411	203.544	191.850	2.116	0.21048	2.67685	4 V
K07Tn0Y	16.5	0.15	K20CH	24.214	113.412	46.728	27.279	0.11906	3.15493	4 V
K07U67X	17.4	0.15	K20CH	12.767	334.999	57.134	12.505	0.18590	2.65875	4 V
K07UF9E	18.1	0.15	K20CH	17.539	312.234	66.421	8.462	0.29673	2.68157	3 V
K07V88F	16.9	0.15	K20CH	14.532	359.913	28.579	12.459	0.29372	2.67602	7 X
K07V88N	17.9	0.15	K20CH	3.558	154.522	246.304	21.654	0.09925	1.90931	6 X
K07VD7X	18.5	0.15	K20CH	36.253	327.610	7.497	6.165	0.42731	2.20732	5 X

K07VF2U	17.4	0.15	K20CH	355.283	344.618	65.773	18.814	0.09995	2.70245	4 V
K07VL4B	16.2	0.15	K20CH	41.612	88.128	64.793	27.538	0.11839	3.14486	4 V
K07VU1M	18.5	0.15	K20CH	7.981	240.785	177.268	6.430	0.41321	2.65675	3 X
K07VU3V	18.6	0.15	K20CH	7.770	357.595	62.205	23.369	0.11075	1.88106	6 X
K07VW8R	18.0	0.15	K20CH	208.797	303.023	86.824	2.520	0.18736	2.40018	6 X
K07Vb0R	17.6	0.15	K20CH	118.244	100.239	241.010	26.745	0.12584	2.58230	5 V
K07W00K	17.7	0.15	K20CH	346.463	170.244	246.013	23.756	0.08199	1.90474	5 X
K07X15J	16.9	0.15	K20CH	3.421	57.385	78.457	31.409	0.32635	2.61800	6 X
K07Y590	18.1	0.15	K20CH	184.144	222.491	294.590	27.730	0.12238	1.99599	3 V
K07Y94F	17.4	0.15	K20CH	93.919	103.152	298.286	29.156	0.27733	2.58373	4 V
K07Y94G	18.1	0.15	K20CH	81.273	109.629	298.859	29.685	0.31471	2.57821	2 V
K08B49Q	17.5	0.15	K20CH	334.111	122.165	330.121	10.437	0.14394	2.76086	5 X
K08C23Y	17.1	0.15	K20CH	328.458	344.786	147.373	20.886	0.29732	2.70709	4 X
K08C52V	17.7	0.15	K20CH	342.037	107.851	343.650	10.606	0.23430	2.72520	6 X
K08GB60	18.8	0.15	K20CH	258.397	270.089	341.644	3.654	0.13103	2.22326	4 V
K08J37Q	15.3	0.15	K20CH	77.048	25.938	246.769	30.360	0.22736	3.11278	10 X
K08O12S	16.2	0.15	K20CH	85.434	351.166	311.106	14.289	0.17114	3.14472	7 X
K08Q04H	17.2	0.15	K20CH	107.934	7.314	287.717	14.170	0.14472	2.43858	7 X
K08R48N	16.0	0.15	K20CH	349.532	299.051	157.537	20.444	0.23107	3.07686	9 X
K08R82Y	17.2	0.15	K20CH	14.747	52.825	331.685	14.491	0.25455	3.23638	3 X
K08RH4Z	19.0	0.15	K20CH	150.844	15.154	355.027	1.837	0.19564	2.33288	3 V
K08RH5A	16.8	0.15	K20CH	105.636	343.049	331.004	8.062	0.07318	3.16907	5 V
K08SY7E	17.2	0.15	K20CH	32.273	208.528	208.311	16.043	0.21620	3.20930	4 V
K08T95D	15.7	0.15	K20CH	100.395	293.640	354.371	15.286	0.24335	3.15723	11 X
K08TM4G	16.3	0.15	K20CH	99.266	10.604	5.129	20.895	0.28076	3.08674	5 V
K08UV6Y	16.5	0.15	K20CH	29.618	301.521	83.468	5.008	0.21969	2.57016	10 X
K08Uf0C	19.0	0.15	K20CH	143.497	141.425	172.682	0.972	0.19959	2.41955	4 V
K08Uf0D	17.0	0.15	K20CH	44.690	167.936	227.470	17.555	0.20234	3.20217	4 V
K08V51W	16.9	0.15	K20CH	28.738	228.709	236.305	10.335	0.25181	3.11062	5 X
K08VA20	17.6	0.15	K20CH	15.529	331.395	74.345	7.389	0.28566	2.54846	6 V
K08W89V	16.2	0.15	K20CH	33.560	279.430	94.415	13.440	0.19666	2.57846	10 X
K08W98H	16.0	0.15	K20CH	327.076	114.009	305.033	29.250	0.34908	2.61584	5 X
K08X670	16.7	0.15	K20CH	137.032	99.945	296.163	9.508	0.07565	3.01459	5 V
K08Y01C	17.6	0.15	K20CH	9.071	162.134	253.743	1.595	0.25724	2.53202	7 X
K08Y81P	17.3	0.15	K20CH	352.415	136.935	293.639	12.710	0.22739	2.55781	6 X
K08YA4E	17.1	0.15	K20CH	24.490	69.015	298.585	12.497	0.19489	2.61783	8 X
K08YB5P	17.1	0.15	K20CH	301.772	186.041	293.745	13.932	0.04770	2.59261	7 X
K08YD0X	17.0	0.15	K20CH	296.467	193.802	293.759	14.364	0.06971	2.58737	8 X
K08YF1E	17.5	0.15	K20CH	352.155	129.363	292.722	9.281	0.14356	2.58473	5 X
K08YJ1N	17.7	0.15	K20CH	36.680	257.369	112.895	5.437	0.28760	2.55096	5 V
K08YJ10	16.6	0.15	K20CH	56.535	178.468	284.815	8.201	0.06575	3.18187	6 V
K09A24K	16.5	0.15	K20CH	6.580	48.725	294.469	24.990	0.18873	2.71007	6 X
K09A34V	16.9	0.15	K20CH	197.606	297.409	286.990	13.168	0.10204	2.59556	9 X
K09A61Y	17.8	0.15	K20CH	27.539	59.229	104.895	10.897	0.15875	3.10749	4 V
K09A61Z	16.4	0.15	K20CH	106.266	321.173	122.972	28.235	0.12411	3.09026	7 V
K09B14X	16.7	0.15	K20CH	254.987	210.435	309.503	15.892	0.09119	2.62946	7 X
K09BK9Z	18.0	0.15	K20CH	17.813	63.450	331.315	11.486	0.27831	2.59185	5 V
K09C04D	16.7	0.15	K20CH	25.324	29.218	347.717	12.313	0.28105	2.57481	7 X
K09C44K	16.1	0.15	K20CH	0.277	84.705	310.035	25.678	0.43227	2.59729	4 X
K09E01T	16.7	0.15	K20CH	71.259	121.360	354.033	26.019	0.18534	3.16106	3 V
K09F02R	17.5	0.15	K20CH	346.384	93.464	351.406	15.158	0.28144	2.59974	6 X
K09F93F	16.9	0.15	K20CH	318.185	100.405	5.735	21.287	0.11352	2.64741	6 X
K09H50W	17.4	0.15	K20CH	65.443	93.772	50.853	15.922	0.18407	3.19086	3 V
K09M08P	17.9	0.15	K20CH	41.586	111.180	262.921	18.272	0.09401	1.89974	7 X
K09M09G	16.9	0.15	K20CH	63.570	46.623	266.064	22.097	0.20192	2.34169	8 X
K09P02Z	17.3	0.15	K20CH	25.940	56.014	297.086	16.630	0.34814	3.07735	4 X
K09Q22Q	16.7	0.15	K20CH	359.054	64.278	340.595	23.333	0.48507	3.11317	3 X
K09Q600	16.4	0.15	K20CH	19.265	32.317	332.247	24.039	0.25005	3.09249	2 X
K09Q68W	15.8	0.15	K20CH	1.605	18.744	322.277	27.228	0.16446	3.17758	5 X
K09S130	17.5	0.15	K20CH	58.787	96.518	284.876	1.932	0.04281	2.94314	2 V
K09SE4A	17.7	0.15	K20CH	3.220	39.540	19.430	12.059	0.35481	3.07615	2 X
K09SG2S	15.8	0.15	K20CH	309.563	99.515	9.073	11.704	0.10096	3.03959	11 X
K09SM0X	16.3	0.15	K20CH	25.905	80.593	268.475	14.964	0.25570	3.11361	6 X
K09ST4H	16.3	0.15	K20CH	4.346	97.478	249.329	24.511	0.30073	3.17245	5 X
K09SZ8K	18.5	0.15	K20CH	359.923	69.128	358.469	9.022	0.48356	3.09308	2 X
K09Se8V	18.2	0.15	K20CH	191.088	233.172	197.230	6.984	0.22997	2.63749	7 V
K09Se8W	17.6	0.15	K20CH	160.208	79.381	20.208	13.034	0.23875	2.64134	6 V
K09Se8X	17.4	0.15	K20CH	171.796	303.299	13.634	1.903	0.05428	2.86212	7 V
K09Se8Y	17.4	0.15	K20CH	196.194	10.860	312.216	5.167	0.06480	2.78858	8 V
K09Se8Z	17.4	0.15	K20CH	39.509	137.410	190.097	26.990	0.27528	3.11285	4 V
K09T50R	17.5	0.15	K20CH	57.982	336.828	355.378	13.005	0.24063	2.36967	6 X
K09U13Z	16.3	0.15	K20CH	20.082	0.993	26.661	19.823	0.22363	3.06478	7 X
K09UD0W	16.0	0.15	K20CH	30.418	103.901	245.944	14.949	0.27567	3.13162	7 X
K09VA4P	17.9	0.15	K20CH	0.133	155.356	256.351	18.295	0.11107	1.96754	4 X
K09VB5B	17.0	0.15	K20CH	18.710	95.313	279.386	19.458	0.31970	3.12288	4 X
K09VC8B	17.9	0.15	K20CH	164.932	216.451	251.269	7.677	0.23242	2.65526	6 V
K09WE2P	17.3	0.15	K20CH	318.765	192.795	230.217	20.891	0.19935	2.43280	6 X
K09WQ3X	17.9	0.15	K20CH	13.361	98.749	302.692	12.018	0.20918	2.42798	3 X
K10A14E	17.3	0.15	K20CH	57.340	36.492	297.264	13.845	0.19286	2.48469	7 X
K10A57V	16.9	0.15	K20CH	341.142	126.335	318.961	9.744	0.19863	3.20113	6 X
K10B48H	16.4	0.15	K20CH	243.053	265.815	270.029	26.590	0.16103	2.55464	6 X
K10BB3Z	16.4	0.15	K20CH	338.368	132.900	307.381	15.267	0.11798	3.11627	8 X
K10CB6K	17.9	0.15	K20CH	18.797	16.853	20.263	2.616	0.22404	2.45888	9 X
K10CE6X	16.9	0.15	K20CH	19.439	53.594	339.219	14.239	0.07333	2.52672	6 X
K10CK90	17.0	0.15	K20CH	8.361	41.785	359.804	15.029	0.18961	3.12633	5 X
K10D12U	13.5	0.15	K20CH	350.716	84.514	322.418	22.475	0.09887	5.23951	7 X
K10D30C	16.6	0.15	K20CH	18.694	109.447	271.171	17.615	0.15005	3.17279	3 X
K10E06L	15.6	0.15	K20CH	263.977	248.426	279.923	15.619	0.14613	3.19323	10 X
K10E19Z	16.0	0.15	K20CH	358.191	123.179	268.336	24.502	0.22516	3.21529	6 X
K10E42L	15.9	0.15	K20CH	96.318	292.174	8.206	13.759	0.22214	2.54983	10 X
K10EE3G	18.8	0.15	K20CH	69.074	55.828	57.994	3.412	0.15569	2.30964	5 X
K10EE4X	17.6	0.15	K20CH	163.835	277.894	319.545	10.390	0.20188	2.66311	6 V
K10F08P	15.9	0.15	K20CH	305.399	135.269	121.161	28.419	0.17236	3.18834	6 V

K10F58G	15.4	0.15	K20CH	318.353	214.080	254.593	12.346	0.07940	3.21529	10	X
K10GD2X	16.1	0.15	K20CH	121.463	343.694	80.881	11.804	0.07096	3.14077	7	X
K10J69O	15.0	0.15	K20CH	25.052	104.345	248.103	31.606	0.26706	2.88756	6	X
K10K00G	15.9	0.15	K20CH	30.467	34.081	280.674	27.549	0.09646	2.65418	7	X
K10N67T	17.2	0.15	K20CH	19.234	83.829	300.981	13.224	0.16678	2.90306	5	X
K10NA8C	18.2	0.15	K20CH	96.371	50.946	274.751	7.097	0.34657	2.79121	2	V
K10O36H	15.6	0.15	K20CH	358.285	12.430	334.966	23.535	0.23981	3.03926	9	X
K10O60T	17.4	0.15	K20CH	316.760	180.602	285.603	13.424	0.08938	2.55993	7	X
K10P80U	15.8	0.15	K20CH	32.628	14.259	279.871	10.345	0.16741	3.03472	10	X
K10RL1P	17.1	0.15	K20CH	116.052	53.884	284.284	7.805	0.15826	2.71966	5	V
K10T56U	17.2	0.15	K20CH	134.358	302.737	329.993	5.797	0.01098	2.88115	7	V
K10VG9Q	13.3	0.15	K20CH	311.639	170.558	246.818	25.473	0.07487	5.22785	7	X
K10VJ8V	17.9	0.15	K20CH	30.465	329.890	49.870	9.821	0.22770	2.24020	6	X
K10VP6E	18.4	0.15	K20CH	333.885	179.573	266.837	19.808	0.07952	1.86981	4	X
K10VP9Y	17.1	0.15	K20CH	300.777	262.283	111.194	2.150	0.17621	3.20678	3	V
K10VP9Z	16.8	0.15	K20CH	87.661	15.143	66.197	14.135	0.16973	2.67075	7	V
K10W65G	15.6	0.15	K20CH	252.741	263.870	269.598	24.522	0.21892	3.07847	8	X
K10X96O	18.4	0.15	K20CH	239.260	228.029	305.709	17.793	0.07705	1.91139	4	X
K11A26C	15.9	0.15	K20CH	244.287	224.965	313.944	15.260	0.15426	3.10165	8	X
K11A40R	18.0	0.15	K20CH	110.567	127.454	308.266	12.344	0.10445	2.71735	6	V
K11A76K	16.1	0.15	K20CH	277.092	195.801	306.642	14.689	0.06619	3.06446	6	X
K11A78D	16.3	0.15	K20CH	208.614	275.139	289.546	20.425	0.27836	2.39111	5	X
K11B13Y	15.5	0.15	K20CH	281.002	172.680	339.208	15.987	0.17539	3.10169	10	X
K11B16J	17.0	0.15	K20CH	326.457	118.674	296.901	21.634	0.24728	2.33189	6	X
K11BA0J	16.5	0.15	K20CH	320.906	155.195	303.306	16.098	0.17274	3.11656	8	X
K11BA6W	16.9	0.15	K20CH	12.235	82.027	313.793	14.782	0.07420	3.10825	5	X
K11BG9K	16.6	0.15	K20CH	204.402	272.776	291.821	21.613	0.21691	2.37464	8	X
K11BH0A	15.4	0.15	K20CH	304.297	207.819	269.268	19.195	0.16364	3.12352	11	X
K11C28D	15.8	0.15	K20CH	105.614	345.769	303.316	19.004	0.04642	3.16271	10	X
K11C29N	15.9	0.15	K20CH	53.284	36.127	319.770	10.653	0.05595	3.11790	12	X
K11C34K	16.2	0.15	K20CH	308.695	146.812	317.826	17.378	0.05311	3.13241	6	X
K11C50U	17.8	0.15	K20CH	345.758	96.454	326.076	23.287	0.26943	2.28567	5	X
K11C70G	15.3	0.15	K20CH	280.036	156.654	352.158	17.134	0.16138	3.10607	9	X
K11CC0Z	16.8	0.15	K20CH	330.677	147.099	305.601	11.241	0.08591	3.12960	7	X
K11CD4S	17.4	0.15	K20CH	4.568	144.054	49.638	4.107	0.03122	2.75384	9	V
K11D03M	16.8	0.15	K20CH	11.787	58.931	334.430	18.693	0.02172	2.36123	8	X
K11D53S	17.3	0.15	K20CH	358.756	38.948	30.503	6.921	0.18412	2.31952	6	X
K11G60D	21.8	0.15	K20CH	99.061	211.082	114.884	6.062	0.16247	1.08340	4	X
K11L34Y	17.0	0.15	K20CH	25.496	94.942	264.910	23.140	0.27286	2.72219	4	X
K11M15J	17.7	0.15	K20CH	29.829	74.469	305.378	11.094	0.29459	2.64797	6	V
K11O21A	17.6	0.15	K20CH	19.575	85.138	281.827	11.561	0.28817	2.67146	2	X
K11O43K	17.6	0.15	K20CH	22.719	63.094	310.633	12.372	0.33466	2.66162	4	X
K11O56X	16.4	0.15	K20CH	275.832	163.169	333.978	17.401	0.04573	2.57858	11	X
K11O62C	17.2	0.15	K20CH	260.298	186.852	338.359	13.272	0.09349	2.53433	8	X
K11Q23X	16.8	0.15	K20CH	16.997	41.432	330.380	15.054	0.28470	2.68988	6	X
K11Q83Y	16.7	0.15	K20CH	357.667	73.287	339.933	14.209	0.07628	2.62287	8	X
K11Q84K	17.1	0.15	K20CH	63.049	348.476	342.713	12.748	0.17428	2.64974	5	X
K11S20L	17.4	0.15	K20CH	10.874	110.092	292.365	11.292	0.27364	2.69607	7	X
K11S24R	16.8	0.15	K20CH	15.506	135.258	260.675	12.180	0.26123	2.68747	8	X
K11S28A	16.9	0.15	K20CH	19.534	91.719	294.284	11.360	0.28089	2.68389	7	X
K11S40P	17.3	0.15	K20CH	23.053	42.336	328.626	8.435	0.26547	2.72235	7	X
K11SA3N	16.4	0.15	K20CH	49.892	335.001	18.557	14.128	0.18977	2.67177	6	X
K11SB3U	16.7	0.15	K20CH	29.620	315.913	61.037	9.687	0.29765	2.67665	10	X
K11SB8C	16.4	0.15	K20CH	12.596	135.846	257.535	8.454	0.10697	2.70892	7	X
K11SP9H	17.0	0.15	K20CH	25.154	53.942	308.714	7.223	0.30593	2.74247	5	X
K11SR1A	18.2	0.15	K20CH	10.378	26.212	20.814	13.850	0.23814	2.68663	2	X
K11SU4P	17.0	0.15	K20CH	349.983	106.809	320.151	12.735	0.11680	2.67158	7	X
K11SW3J	18.0	0.15	K20CH	358.557	46.121	18.688	13.106	0.25329	2.69000	3	X
K11SW3Q	17.2	0.15	K20CH	350.364	207.837	198.441	8.671	0.11787	2.75803	7	V
K11SW3R	17.8	0.15	K20CH	37.692	206.852	130.631	3.324	0.20958	2.75596	4	V
K11SW3S	17.6	0.15	K20CH	348.627	226.497	211.089	12.951	0.22959	2.66916	4	V
K11Ud7Z	17.2	0.15	K20CH	6.933	51.161	356.222	11.717	0.25845	2.72665	6	X
K11Ud8R	16.9	0.15	K20CH	336.842	94.339	349.122	12.928	0.08237	2.71595	8	X
K11Uk0G	17.5	0.15	K20CH	358.390	159.634	238.005	29.196	0.20222	2.77117	2	X
K11WH7Q	17.1	0.15	K20CH	2.351	123.456	290.878	7.921	0.15028	2.78613	6	V
K11Y93J	17.1	0.15	K20CH	107.973	70.803	293.744	13.032	0.13908	2.66173	7	V
K11Y93K	19.3	0.15	K20CH	173.294	105.664	332.559	17.474	0.13386	1.89897	3	V
K12A04T	16.6	0.15	K20CH	314.143	174.063	292.898	13.428	0.10687	2.84685	7	X
K12A26B	13.5	0.15	K20CH	336.697	136.837	277.638	26.625	0.02185	5.18576	6	X
K12BC6G	15.3	0.15	K20CH	162.585	279.420	310.244	21.039	0.08350	3.04101	5	X
K12BG8X	16.6	0.15	K20CH	125.574	328.657	307.194	14.355	0.13108	3.03693	5	X
K12C67V	16.9	0.15	K20CH	27.781	50.545	314.927	16.814	0.22448	2.93772	4	X
K12D03L	15.8	0.15	K20CH	125.486	307.477	336.096	14.301	0.04719	3.00297	10	X
K12FA4C	18.4	0.15	K20CH	204.350	109.254	55.572	6.914	0.06875	2.29423	4	V
K12L12E	17.4	0.15	K20CH	90.535	16.005	289.344	13.703	0.14212	2.39950	6	X
K12R08N	16.7	0.15	K20CH	31.365	7.168	301.638	14.471	0.12965	2.56143	9	X
K12R48C	18.7	0.15	K20CH	11.622	27.068	19.035	21.751	0.09464	1.89770	6	X
K12S02U	18.8	0.15	K20CH	144.113	51.950	285.905	10.050	0.27545	2.29951	3	V
K12S50B	18.2	0.15	K20CH	233.671	286.422	265.937	22.535	0.12367	1.90526	5	X
K12T15H	17.9	0.15	K20CH	167.850	251.216	349.233	19.811	0.09550	1.90719	6	X
K12T35L	18.0	0.15	K20CH	187.591	208.562	21.956	22.151	0.07621	1.90187	7	X
K12T48P	18.7	0.15	K20CH	342.287	67.331	13.122	19.740	0.10211	1.91039	6	X
K12T51S	18.6	0.15	K20CH	323.302	68.780	43.448	21.872	0.10291	1.89897	6	X
K12TS0B	18.1	0.15	K20CH	144.232	254.571	14.778	20.540	0.06535	1.90972	8	X
K12TT1U	18.2	0.15	K20CH	80.646	312.189	16.253	21.125	0.10046	1.91781	5	X
K12Ta5M	16.4	0.15	K20CH	174.567	249.397	108.084	13.144	0.10657	3.19910	9	V
K12U68J	18.3	0.15	K20CH	239.557	262.490	279.782	18.732	0.08045	1.91588	5	X
K12U98E	16.3	0.15	K20CH	300.457	234.608	241.326	30.500	0.28852	2.61057	5	X
K12UG1B	16.8	0.15	K20CH	340.128	207.977	246.887	10.832	0.18076	2.50302	9	X
K12UG5H	17.2	0.15	K20CH	14.159	71.855	311.604	9.724	0.13225	2.54912	4	X
K12UG8O	17.1	0.15	K20CH	34.104	11.359	325.051	13.773	0.30958	2.54761	7	X
K12UH4X	16.4	0.15	K20CH	15.873	329.371	71.660	34.007	0.18921	2.57658	4	X
K12UJ3J	17.3	0.15	K20CH	9.380	58.945	352.819	8.492	0.22520	2.52316	4	X

K12V04R	16.9	0.15	K20CH	335.888	129.921	325.458	32.130	0.23902	2.60163	5 X
K12V97E	17.1	0.15	K20CH	350.645	148.919	259.052	26.470	0.20952	2.55135	4 X
K12VB6T	16.5	0.15	K20CH	3.216	90.693	302.226	13.871	0.11240	2.57860	5 X
K12VC8M	16.6	0.15	K20CH	53.416	50.812	287.420	12.796	0.21383	2.55439	6 X
K12VD1H	17.8	0.15	K20CH	13.393	124.357	271.948	12.198	0.22866	2.59095	5 V
K12W29H	17.1	0.15	K20CH	19.152	330.623	67.449	2.852	0.18090	2.54616	8 X
K12X47Z	16.9	0.15	K20CH	346.040	138.451	290.157	16.154	0.13395	2.60374	6 X
K12X54R	19.2	0.15	K20CH	359.819	162.252	265.521	20.626	0.45229	2.53169	3 X
K12XB1X	18.2	0.15	K20CH	12.211	131.792	259.699	28.444	0.37902	2.55375	3 X
K12XB3T	18.2	0.15	K20CH	333.680	182.255	255.941	19.029	0.07774	1.95130	4 X
K12XC5Y	16.5	0.15	K20CH	11.376	188.187	226.435	12.835	0.19073	2.55385	10 X
K12XD7R	15.9	0.15	K20CH	341.211	169.125	256.950	13.953	0.03553	2.59398	12 X
K12XD8L	16.4	0.15	K20CH	23.997	64.727	309.526	11.312	0.19281	2.56439	8 X
K12XH2Q	18.9	0.15	K20CH	38.216	100.486	263.766	17.566	0.10376	1.95158	4 V
K12XH2R	17.6	0.15	K20CH	345.080	20.923	62.689	4.812	0.18352	2.58631	8 V
K12Y19Z	19.0	0.15	K20CH	82.363	56.156	83.931	3.013	0.16767	2.29320	4 V
K13A23Y	17.2	0.15	K20CH	26.062	46.281	304.748	12.593	0.29298	2.64241	6 X
K13A26B	18.7	0.15	K20CH	54.637	95.097	265.510	18.339	0.09955	1.94027	3 X
K13A26E	17.4	0.15	K20CH	34.018	102.965	255.735	10.393	0.17999	2.58652	5 X
K13A51F	17.8	0.15	K20CH	10.900	44.638	353.974	8.304	0.28314	2.60097	5 X
K13A77G	17.4	0.15	K20CH	1.417	0.792	65.741	8.594	0.34347	2.56862	4 X
K13A97U	17.5	0.15	K20CH	303.881	190.666	299.004	12.601	0.18796	2.62922	3 V
K13AJ9Z	17.5	0.15	K20CH	75.861	154.227	333.741	25.582	0.18944	2.31092	4 V
K13B03U	17.2	0.15	K20CH	322.043	127.467	335.053	12.098	0.12549	2.63687	6 X
K13B43D	16.7	0.15	K20CH	49.648	22.570	320.703	13.581	0.19184	2.70164	9 X
K13B46P	17.2	0.15	K20CH	44.923	46.716	306.844	31.086	0.10856	2.66052	3 X
K13B47C	17.8	0.15	K20CH	24.518	310.056	75.362	5.806	0.29428	2.58851	4 X
K13B60V	13.9	0.15	K20CH	315.481	95.574	322.763	23.591	0.08530	5.12592	6 V
K13C03B	17.0	0.15	K20CH	350.787	304.486	139.217	7.332	0.29038	2.59745	9 X
K13C05E	17.1	0.15	K20CH	10.588	103.705	291.568	11.042	0.17254	2.66246	5 X
K13C58B	17.6	0.15	K20CH	318.187	154.497	317.296	14.650	0.16484	2.66447	7 X
K13CE8J	16.3	0.15	K20CH	189.774	146.353	347.395	17.842	0.06921	3.04490	7 X
K13CJ3E	17.4	0.15	K20CH	331.607	132.812	329.133	13.021	0.21509	2.63899	5 X
K13CJ4H	17.0	0.15	K20CH	48.190	11.963	343.673	18.074	0.05890	2.73810	7 X
K13CL6K	17.6	0.15	K20CH	351.903	105.629	321.756	11.094	0.15797	2.67041	5 X
K13CN1A	17.0	0.15	K20CH	309.194	166.492	308.644	12.640	0.13240	2.70819	6 X
K13H66M	18.3	0.15	K20CH	163.007	326.883	347.208	4.124	0.10087	2.70596	2 V
K13P06Y	19.3	0.15	K20CH	15.147	194.088	196.895	3.421	0.46388	2.28307	4 X
K13P10Q	17.5	0.15	K20CH	61.378	12.781	292.973	23.681	0.20756	2.30284	4 X
K13PB1F	17.0	0.15	K20CH	32.735	255.364	170.649	11.674	0.13306	3.15891	6 V
K13Q05X	16.9	0.15	K20CH	94.919	43.431	310.377	26.834	0.22247	3.17485	3 V
K13RE3W	17.9	0.15	K20CH	178.421	149.177	262.402	3.936	0.14746	2.71783	5 V
K13S26S	18.1	0.15	K20CH	62.919	294.394	33.891	23.182	0.28643	2.28005	4 X
K13SA9U	17.2	0.15	K20CH	196.073	344.174	52.508	7.686	0.08083	2.76360	6 V
K13TH7P	17.1	0.15	K20CH	16.553	133.227	254.081	21.624	0.18622	2.29701	4 X
K13TL2C	17.0	0.15	K20CH	66.772	75.990	21.926	24.979	0.32196	3.13475	4 V
K13U14X	18.3	0.15	K20CH	21.881	331.633	40.183	7.198	0.53296	2.32992	4 X
K13U15Q	6.5	0.15	K20CH	175.904	17.397	189.100	27.303	0.11036	42.88112	6 V
K13V22R	18.2	0.15	K20CH	44.482	66.681	282.950	10.997	0.28902	2.29593	7 X
K13V60P	18.8	0.15	K20CH	18.220	141.017	258.556	19.611	0.11377	1.75786	2 X
K13V61W	18.7	0.15	K20CH	12.018	276.356	117.161	2.959	0.21695	2.33484	4 V
K13W01H	18.2	0.15	K20CH	26.511	268.567	88.824	13.286	0.26228	2.33635	4 V
K13W06O	18.8	0.15	K20CH	342.875	20.032	53.217	6.077	0.20136	2.33291	5 V
K13W60T	18.0	0.15	K20CH	10.144	139.172	245.171	24.069	0.24237	2.35088	2 X
K13WD3J	18.8	0.15	K20CH	355.088	66.703	263.216	20.303	0.07635	1.87040	4 V
K13X03B	16.8	0.15	K20CH	319.637	266.761	240.590	19.961	0.28841	2.26135	9 X
K13Y20T	18.4	0.15	K20CH	179.169	292.023	291.238	16.881	0.03629	1.82516	4 X
K13YG1Z	16.9	0.15	K20CH	0.977	126.754	220.669	4.109	0.27516	2.52276	8 X
K14B81Q	17.3	0.15	K20CH	211.371	30.874	106.744	22.879	0.03053	2.63721	6 V
K14C27Q	16.8	0.15	K20CH	16.652	51.773	349.289	11.887	0.06077	2.52568	8 X
K14C27Y	17.0	0.15	K20CH	38.710	44.681	304.952	10.963	0.20268	2.55093	5 X
K14D82W	16.8	0.15	K20CH	98.186	26.789	275.163	13.847	0.17324	2.54315	7 X
K14DE1C	17.9	0.15	K20CH	25.421	259.746	120.380	7.684	0.36320	2.26647	6 X
K14DH9K	14.4	0.15	K20CH	198.411	141.524	39.347	7.483	0.06549	5.20756	4 V
K14E00A	16.7	0.15	K20CH	5.860	308.385	124.232	22.815	0.22827	2.29176	9 X
K14EE5L	17.5	0.15	K20CH	52.445	12.291	339.569	9.513	0.13606	2.55497	6 X
K14EL8W	17.2	0.15	K20CH	37.173	49.915	308.300	9.197	0.20581	2.54957	6 X
K14F12J	16.8	0.15	K20CH	29.435	308.474	59.575	13.619	0.30874	2.56488	9 X
K14G07F	17.1	0.15	K20CH	74.634	329.682	358.764	13.972	0.11148	2.63501	6 X
K14G41Y	16.4	0.15	K20CH	302.398	97.317	29.612	15.616	0.06374	2.57265	9 X
K14J56L	15.0	0.15	K20CH	90.107	30.345	257.739	25.909	0.14361	3.09002	10 X
K14L21H	14.9	0.15	K20CH	103.156	342.976	273.144	25.815	0.15453	3.14613	7 X
K14L34G	16.3	0.15	K20CH	24.977	84.314	268.582	22.534	0.26502	3.18841	4 X
K14M72Y	16.6	0.15	K20CH	66.246	27.446	318.019	10.031	0.10173	3.00450	7 X
K14N80C	16.2	0.15	K20CH	72.869	33.391	294.064	14.961	0.10883	3.18683	6 X
K14N85A	16.9	0.15	K20CH	52.028	57.318	278.001	12.538	0.18701	3.01618	5 V
K14O54F	16.7	0.15	K20CH	43.753	40.899	324.072	9.248	0.11333	2.97633	7 X
K14OH3F	16.7	0.15	K20CH	63.584	20.680	323.595	10.317	0.09929	2.94481	8 X
K14OT7C	16.2	0.15	K20CH	18.726	28.371	1.189	21.204	0.12145	3.16404	6 X
K14Ob9P	15.9	0.15	K20CH	19.660	47.048	307.770	21.965	0.23008	3.12153	5 X
K14Od3C	16.5	0.15	K20CH	44.129	63.992	278.572	15.209	0.24834	3.14053	5 X
K14P24Q	16.4	0.15	K20CH	16.604	49.347	325.865	19.228	0.24110	3.16823	7 X
K14P25O	16.1	0.15	K20CH	171.938	265.200	334.311	12.551	0.11728	2.93092	10 X
K14P91X	17.6	0.15	K20CH	17.903	76.617	307.862	11.339	0.24288	3.07947	3 X
K14Q29Q	16.2	0.15	K20CH	31.890	47.520	319.128	12.810	0.20144	3.15293	7 X
K14Q39R	16.9	0.15	K20CH	358.009	130.685	277.998	15.458	0.20113	3.06808	2 V
K14QB0H	16.0	0.15	K20CH	24.060	43.633	304.784	16.842	0.22008	3.20426	5 X
K14QB2S	17.2	0.15	K20CH	24.445	75.146	302.321	9.977	0.14752	3.07130	3 V
K14QR9B	17.9	0.15	K20CH	168.505	343.450	306.114	3.440	0.08405	2.79323	3 V
K14QQ5P	16.4	0.15	K20CH	47.320	42.541	296.322	16.075	0.22137	3.13427	3 X
K14Qc2W	16.4	0.15	K20CH	56.148	336.728	352.664	16.930	0.20391	3.11841	3 X
K14Qe8D	16.2	0.15	K20CH	58.597	47.730	278.595	15.815	0.22932	3.16541	2 X
K14Qr7L	19.1	0.15	K20CH	123.254	166.096	159.128	23.370	0.06868	1.94467	4 V

K14R00P	15.6	0.15	K20CH	10.253	146.294	256.381	17.041	0.34726	3.19005	5 X
K14R43Z	15.8	0.15	K20CH	327.421	127.763	316.008	14.036	0.07639	3.20765	8 X
K14R46A	16.3	0.15	K20CH	321.063	94.421	9.053	16.873	0.08167	3.13950	7 X
K14R47J	16.7	0.15	K20CH	357.570	52.431	9.670	16.103	0.22219	3.19159	2 X
K14R62F	16.0	0.15	K20CH	76.341	13.614	297.965	14.814	0.22921	3.09077	7 X
K14R68G	16.6	0.15	K20CH	35.156	83.783	290.506	11.756	0.09776	3.04066	5 X
K14R80K	17.4	0.15	K20CH	6.620	159.554	232.541	16.250	0.20656	3.17259	3 V
K14R80O	17.3	0.15	K20CH	43.426	50.070	348.323	9.425	0.11242	2.98029	4 V
K14R80P	17.0	0.15	K20CH	68.909	96.618	272.388	8.812	0.08638	2.98914	5 V
K14SE0E	18.1	0.15	K20CH	76.518	243.889	80.411	2.983	0.16358	3.13297	2 V
K14SG9F	17.0	0.15	K20CH	351.149	174.192	254.101	16.887	0.19323	3.11030	2 V
K14SM1G	16.0	0.15	K20CH	30.675	95.944	260.520	23.932	0.30952	3.18751	4 X
K14SS8T	16.0	0.15	K20CH	4.553	122.056	269.568	21.842	0.15780	3.21357	6 X
K14T34J	17.7	0.15	K20CH	339.938	186.723	270.165	23.043	0.28687	2.12107	4 X
K14T41C	15.8	0.15	K20CH	72.313	319.859	17.966	19.458	0.06127	3.17867	6 X
K14T49L	15.8	0.15	K20CH	28.993	6.119	18.949	22.131	0.02381	3.18131	5 X
K14T88B	15.9	0.15	K20CH	144.946	289.181	335.961	10.163	0.11736	3.14839	12 X
K14T98X	16.5	0.15	K20CH	30.347	76.793	293.731	15.047	0.12055	3.19961	4 X
K14TA7X	17.4	0.15	K20CH	56.084	242.783	123.268	2.082	0.16692	3.15904	3 V
K14TA7Z	16.3	0.15	K20CH	87.420	49.651	262.685	17.078	0.17999	3.18520	4 V
K14U31Y	15.9	0.15	K20CH	321.125	94.567	23.933	25.807	0.22341	3.20665	7 X
K14UL2R	16.3	0.15	K20CH	69.793	289.549	32.477	26.634	0.24170	3.19922	3 X
K14UQ5D	17.5	0.15	K20CH	29.353	116.155	289.847	3.697	0.16485	3.15176	3 V
K14UQ5E	17.6	0.15	K20CH	54.116	63.089	327.085	4.850	0.15363	3.07468	3 V
K14UQ5F	17.4	0.15	K20CH	77.168	114.454	259.560	8.732	0.14991	3.06001	5 V
K14UQ5G	17.3	0.15	K20CH	59.434	8.668	28.350	10.123	0.08705	3.05622	4 V
K14UQ5H	17.2	0.15	K20CH	90.592	230.949	107.804	8.195	0.24307	3.07872	3 V
K14UQ5J	17.4	0.15	K20CH	84.384	66.985	314.037	8.829	0.04944	3.02434	5 V
K14UQ5K	16.9	0.15	K20CH	72.918	90.834	281.619	10.000	0.11951	3.11410	6 V
K14V18O	16.7	0.15	K20CH	4.506	34.452	19.508	16.810	0.20657	3.18311	4 X
K14WB4G	16.1	0.15	K20CH	47.737	33.687	318.793	15.456	0.11791	3.16132	7 X
K14WB4K	16.6	0.15	K20CH	13.380	142.928	258.078	15.867	0.21173	3.15358	7 V
K14WT9N	16.8	0.15	K20CH	14.848	18.843	21.768	17.591	0.26151	3.11692	3 V
K14WZ6K	17.1	0.15	K20CH	90.670	83.602	260.971	15.294	0.23943	3.06703	3 V
K14Ww4B	17.2	0.15	K20CH	66.700	101.516	274.486	10.678	0.12176	3.16046	3 V
K14Ww4C	17.8	0.15	K20CH	117.596	145.901	257.811	17.976	0.11271	1.94253	3 V
K14Ww4D	16.9	0.15	K20CH	87.554	169.207	171.002	9.730	0.07119	3.10728	5 V
K14Ww4E	18.3	0.15	K20CH	143.757	38.490	45.947	17.870	0.14815	2.59853	3 V
K14Ww4F	17.7	0.15	K20CH	230.739	268.259	90.590	17.183	0.20410	2.55118	3 V
K14Ww4G	18.6	0.15	K20CH	131.369	153.289	19.413	2.757	0.13818	2.47631	3 V
K14Y84M	18.1	0.15	K20CH	158.848	217.883	175.489	11.024	0.12134	2.71868	3 V
K14Y84N	16.8	0.15	K20CH	107.296	49.175	276.005	17.638	0.08868	3.18833	4 V
K14Y84O	17.6	0.15	K20CH	165.189	297.597	93.498	5.564	0.09138	2.74151	5 V
K14Y84P	18.6	0.15	K20CH	202.094	31.475	106.990	7.065	0.22955	2.36880	3 V
K15Bm7A	18.2	0.15	K20CH	25.911	52.016	159.064	8.727	0.12402	2.81517	3 V
K15Bz8J	17.5	0.15	K20CH	207.194	295.754	162.796	22.252	0.09518	2.59548	4 V
K15Bz8K	18.2	0.15	K20CH	199.001	1.268	61.753	8.526	0.33847	2.60120	3 V
K15C75B	18.4	0.15	K20CH	21.809	306.270	72.983	8.476	0.13083	2.22801	4 V
K15DR9Z	19.3	0.15	K20CH	164.958	56.849	150.508	1.624	0.14119	2.42260	3 V
K15DS0A	17.9	0.15	K20CH	131.736	75.025	83.067	13.033	0.13462	2.56923	3 V
K15E77Q	18.1	0.15	K20CH	9.457	13.362	39.010	25.224	0.19521	2.23544	2 X
K15E77V	17.4	0.15	K20CH	186.145	335.489	143.384	22.096	0.05630	2.63155	3 V
K15FW4L	17.4	0.15	K20CH	56.424	47.617	112.238	10.755	0.19067	3.02378	4 V
K15Fh9H	17.3	0.15	K20CH	54.581	180.669	338.948	10.605	0.02952	2.98122	4 V
K15Fh9J	16.4	0.15	K20CH	97.139	357.656	106.889	13.158	0.05793	3.09265	6 V
K15Fh9K	18.7	0.15	K20CH	164.303	335.120	154.915	8.459	0.23748	2.65486	3 V
K15Fh9L	18.5	0.15	K20CH	163.190	72.285	203.494	5.566	0.18891	2.28960	4 V
K15Fh9M	17.5	0.15	K20CH	142.089	358.079	184.511	21.819	0.03851	2.70405	3 V
K15Fh9N	18.1	0.15	K20CH	102.419	176.545	111.925	7.772	0.23231	2.52099	6 V
K15Fh9O	18.4	0.15	K20CH	105.883	269.958	358.570	6.439	0.11234	2.45590	6 V
K15HL7L	18.5	0.15	K20CH	46.722	125.549	101.439	24.183	0.06178	1.90279	4 V
K15J23J	17.4	0.15	K20CH	334.618	115.785	249.496	11.543	0.16299	2.75216	3 V
K15KC1B	17.4	0.15	K20CH	57.313	13.907	309.824	12.522	0.29941	2.57569	5 X
K15KJ6P	17.3	0.15	K20CH	314.362	260.383	71.260	9.618	0.24793	3.06157	3 V
K15KJ6Q	18.6	0.15	K20CH	142.902	174.641	135.174	6.902	0.12007	2.36399	3 V
K15L39V	16.3	0.15	K20CH	34.198	258.771	117.950	14.377	0.22605	2.69258	11 X
K15M67T	16.5	0.15	K20CH	7.127	133.574	272.261	21.446	0.07377	2.59248	6 X
K15MB9R	17.4	0.15	K20CH	47.575	66.963	295.831	11.807	0.06208	2.66775	5 X
K15MH3L	18.6	0.15	K20CH	2.707	139.433	271.086	9.981	0.33296	2.73131	3 V
K15MH5J	17.8	0.15	K20CH	118.174	109.713	190.590	14.667	0.13862	2.55269	7 V
K15MH5K	17.9	0.15	K20CH	320.550	218.367	153.657	2.594	0.06357	2.94322	3 V
K15MH5L	18.2	0.15	K20CH	144.671	205.279	85.099	6.705	0.23448	2.49772	3 V
K15N05V	16.7	0.15	K20CH	353.270	156.588	266.156	22.714	0.03121	2.62599	4 X
K15O03G	16.9	0.15	K20CH	93.856	337.580	304.625	18.850	0.28852	2.72229	5 X
K15O35C	17.1	0.15	K20CH	356.994	154.345	273.705	12.727	0.23202	2.69724	6 X
K15O49P	17.3	0.15	K20CH	38.247	5.025	357.825	14.978	0.22099	2.72792	4 X
K15O74H	16.7	0.15	K20CH	92.282	331.026	329.031	13.761	0.17998	2.72240	6 X
K15O89J	17.2	0.15	K20CH	54.281	18.654	334.452	11.247	0.08894	2.65163	7 X
K15OA0G	17.2	0.15	K20CH	330.500	132.335	323.372	12.236	0.13177	2.72752	7 X
K15OD8O	17.2	0.15	K20CH	239.209	327.535	105.162	11.540	0.10223	3.07008	4 V
K15P18S	17.4	0.15	K20CH	31.255	42.083	328.984	12.387	0.12580	2.67222	7 X
K15P31S	17.2	0.15	K20CH	32.372	41.015	324.276	12.909	0.20522	2.78642	5 X
K15P62C	16.5	0.15	K20CH	73.524	12.716	308.028	13.071	0.15511	2.80853	5 X
K15P70O	17.0	0.15	K20CH	314.170	147.533	308.028	21.233	0.07791	2.60996	6 X
K15P89E	17.3	0.15	K20CH	12.817	64.192	328.982	8.219	0.17062	2.69331	8 X
K15PF7G	16.9	0.15	K20CH	244.327	200.775	336.763	14.182	0.10124	2.56754	7 X
K15PL7C	16.6	0.15	K20CH	311.702	195.066	275.665	14.156	0.07571	2.67827	6 X
K15PY0D	18.9	0.15	K20CH	112.208	45.053	331.567	14.399	0.13370	2.41517	3 V
K15PY0E	16.8	0.15	K20CH	53.984	113.495	287.337	29.705	0.26848	2.61946	3 V
K15Q04U	16.8	0.15	K20CH	29.640	65.697	318.427	11.871	0.04480	2.67914	8 X
K15Q19L	16.8	0.15	K20CH	333.197	109.569	331.185	23.753	0.16370	2.73556	4 X
K15R11Z	16.9	0.15	K20CH	81.235	352.223	324.329	13.659	0.09138	2.70220	7 X
K15R87X	16.2	0.15	K20CH	142.034	334.903	286.536	12.849	0.22920	2.67563	12 X

K15R95N	16.5	0.15	K20CH	144.567	300.787	325.955	13.828	0.08054	2.68742	9 X
K15RA2U	15.8	0.15	K20CH	73.690	23.681	274.791	16.349	0.11915	2.78189	10 X
K15RL2O	16.9	0.15	K20CH	85.878	344.707	330.823	13.650	0.11412	2.68545	7 X
K15RO4W	16.9	0.15	K20CH	86.310	274.056	31.161	19.611	0.29482	2.78356	7 X
K15RW4M	18.8	0.15	K20CH	73.646	43.242	323.157	8.189	0.15374	2.61297	2 V
K15RW4N	18.0	0.15	K20CH	70.127	34.630	318.717	5.386	0.02406	2.70699	3 V
K15S02K	18.4	0.15	K20CH	55.588	313.543	28.486	34.763	0.22664	1.85286	4 X
K15TE3Q	17.6	0.15	K20CH	10.805	59.072	318.746	10.261	0.41437	2.96352	2 X
K15TJ1J	17.1	0.15	K20CH	10.341	19.281	26.786	9.428	0.19601	2.81381	6 X
K15TW1X	15.3	0.15	K20CH	39.335	34.016	272.022	28.604	0.25105	3.16775	3 X
K15Th3G	18.3	0.15	K20CH	71.951	320.423	34.100	2.119	0.10154	2.73202	4 V
K15V63T	16.3	0.15	K20CH	62.286	12.833	329.510	10.764	0.12397	2.87892	9 X
K15VJ7K	17.5	0.15	K20CH	140.575	41.846	270.954	12.975	0.17360	2.59960	6 V
K15W16X	18.8	0.15	K20CH	315.510	207.444	268.259	15.399	0.16016	1.90777	3 X
K15XG7R	16.1	0.15	K20CH	348.315	168.728	259.197	14.397	0.26022	3.16930	6 X
K15xb9F	18.2	0.15	K20CH	61.322	79.255	256.273	18.136	0.13804	1.90529	4 X
K15xc0C	16.2	0.15	K20CH	347.274	96.636	338.035	14.584	0.24404	3.08810	10 X
K15xc3D	15.2	0.15	K20CH	237.261	274.194	267.207	21.978	0.14368	3.21726	7 X
K15xc5T	18.3	0.15	K20CH	344.018	141.885	286.956	17.581	0.08162	1.96546	3 X
K15xc7Q	18.7	0.15	K20CH	344.672	164.164	274.760	17.812	0.08925	1.95261	5 X
K15Xd5W	16.3	0.15	K20CH	330.321	116.895	337.025	14.835	0.14844	3.13833	7 X
K15Xg0Q	16.6	0.15	K20CH	3.763	166.457	254.634	9.029	0.18550	3.00771	7 X
K15Xj8P	19.0	0.15	K20CH	114.543	32.895	49.305	2.227	0.16030	2.43302	3 V
K15Y18T	15.3	0.15	K20CH	238.544	270.562	263.127	30.414	0.20088	3.20185	6 X
K15Y26F	16.4	0.15	K20CH	358.900	128.178	288.016	15.276	0.21532	3.13833	5 X
K15Y34D	16.7	0.15	K20CH	318.074	104.275	353.505	15.865	0.28445	3.15777	6 V
K16AD0X	17.7	0.15	K20CH	54.855	107.432	253.188	16.077	0.11217	1.92143	8 X
K16AH2T	18.0	0.15	K20CH	346.622	124.113	296.848	17.200	0.11875	1.93859	6 X
K16AN3L	16.6	0.15	K20CH	4.215	110.116	297.689	14.824	0.21169	3.16550	6 X
K16AO6K	16.6	0.15	K20CH	3.843	95.817	314.745	13.535	0.08146	3.24541	5 X
K16AW4E	17.6	0.15	K20CH	343.342	135.497	302.084	16.775	0.25032	3.15078	2 X
K16AW4H	17.6	0.15	K20CH	352.902	98.286	331.295	11.852	0.28347	3.16661	2 X
K16AW4T	16.7	0.15	K20CH	19.197	104.193	271.703	24.587	0.26744	3.09926	5 X
K16AW5A	18.9	0.15	K20CH	331.498	132.445	283.809	18.145	0.08420	1.93208	4 V
K16AW5B	17.5	0.15	K20CH	8.861	308.579	82.364	15.254	0.26450	3.19402	3 V
K16B40S	17.0	0.15	K20CH	346.395	113.203	322.892	12.570	0.26654	3.16464	6 X
K16B49V	16.1	0.15	K20CH	326.957	153.587	299.420	11.463	0.04986	3.23665	9 X
K16BB9H	18.2	0.15	K20CH	103.072	77.288	18.592	1.141	0.03384	2.58797	3 V
K16C00G	15.9	0.15	K20CH	348.851	112.846	311.754	15.498	0.10549	3.23151	7 X
K16CF2E	16.5	0.15	K20CH	9.526	88.267	310.566	14.805	0.19246	3.20993	4 X
K16Ca0P	18.3	0.15	K20CH	81.496	128.323	357.935	12.693	0.19926	2.59033	3 V
K16D05F	16.1	0.15	K20CH	7.680	137.021	273.722	8.617	0.21744	3.13750	7 X
K16D17M	16.0	0.15	K20CH	12.202	301.375	109.021	10.923	0.25180	3.15212	9 X
K16E39K	18.2	0.15	K20CH	355.344	115.355	300.601	16.982	0.10109	1.94162	3 X
K16E58Y	17.7	0.15	K20CH	129.003	78.410	351.174	4.528	0.00952	2.66748	5 V
K16ES2S	17.7	0.15	K20CH	87.006	15.403	112.859	14.927	0.12795	2.61483	3 V
K16ES2T	17.0	0.15	K20CH	296.732	162.044	12.453	9.312	0.03330	3.16207	5 V
K16GT0Q	17.9	0.15	K20CH	58.339	71.667	99.124	13.961	0.11558	2.67997	3 V
K16GT0R	18.1	0.15	K20CH	53.075	67.877	114.836	18.117	0.17144	2.68504	4 V
K16J33U	20.8	0.15	K20CH	332.710	223.520	293.381	3.894	0.53454	1.82722	3 X
K16L68A	17.7	0.15	K20CH	48.525	72.400	266.952	20.402	0.27515	2.44836	3 X
K16NA1V	18.2	0.15	K20CH	34.826	15.892	348.957	14.803	0.15857	2.41484	2 V
K16ND0V	18.5	0.15	K20CH	24.475	133.784	222.774	13.898	0.15392	2.42614	4 V
K16O02Q	17.2	0.15	K20CH	8.642	96.344	285.911	14.333	0.42969	2.49357	4 X
K16O12Q	17.7	0.15	K20CH	38.222	2.145	286.953	13.054	0.23424	2.64709	4 V
K16P65P	17.0	0.15	K20CH	15.337	200.510	18.153	9.957	0.04149	3.17066	3 V
K16Q01P	16.5	0.15	K20CH	4.078	122.656	255.433	29.902	0.29715	2.61402	4 X
K16Q03L	17.9	0.15	K20CH	5.024	144.256	276.920	3.015	0.22626	2.33746	9 X
K16Q08V	17.7	0.15	K20CH	25.197	51.348	329.311	14.114	0.18034	2.42030	6 X
K16Q78T	16.8	0.15	K20CH	7.055	54.294	286.891	11.665	0.20528	2.59860	6 X
K16QB9J	18.0	0.15	K20CH	31.965	346.951	26.907	17.155	0.20494	2.53533	2 X
K16R54C	17.5	0.15	K20CH	351.569	123.687	310.350	12.727	0.23511	2.52388	2 X
K16R70J	17.4	0.15	K20CH	21.315	259.466	125.359	11.721	0.29904	2.55097	5 V
K16R70T	17.3	0.15	K20CH	29.019	90.138	289.635	13.909	0.12406	2.52191	3 X
K16S23A	17.0	0.15	K20CH	328.101	87.987	15.108	13.077	0.11710	2.41603	8 X
K16S31G	16.6	0.15	K20CH	32.914	327.406	48.377	9.279	0.25266	2.47103	13 X
K16T03B	16.4	0.15	K20CH	333.807	93.360	323.700	21.531	0.08156	2.56179	4 X
K16T29W	15.8	0.15	K20CH	304.040	94.014	257.107	14.282	0.10204	3.13721	7 X
K16T92Z	16.7	0.15	K20CH	70.207	8.614	307.150	17.817	0.19595	2.55484	5 X
K16TC6M	18.2	0.15	K20CH	12.932	34.745	348.470	12.663	0.32609	2.57851	2 X
K16TE7G	18.3	0.15	K20CH	21.327	0.748	24.785	14.878	0.26381	2.55731	2 X
K16TF1A	18.8	0.15	K20CH	37.122	145.126	202.736	11.927	0.28546	2.56008	3 V
K16TF1D	17.7	0.15	K20CH	6.940	296.022	101.535	14.992	0.12920	2.56126	4 V
K16TF1F	17.3	0.15	K20CH	35.788	9.529	282.192	16.505	0.21376	2.73940	4 V
K16UF3Y	17.6	0.15	K20CH	13.016	37.007	358.832	13.625	0.23359	2.55230	3 X
K16UP2N	16.9	0.15	K20CH	60.813	40.923	305.915	12.903	0.01697	2.58013	6 X
K16UP9W	17.4	0.15	K20CH	332.486	86.544	17.449	12.554	0.20801	2.54205	6 X
K16V04M	17.1	0.15	K20CH	355.522	53.835	12.511	29.902	0.41380	2.59015	4 X
K16V15O	16.7	0.15	K20CH	322.745	122.607	335.538	16.391	0.08682	2.54273	6 X
K16V15P	17.7	0.15	K20CH	22.682	69.439	313.770	12.723	0.18109	2.54106	3 X
K16V30O	17.1	0.15	K20CH	356.385	30.115	34.045	13.921	0.23964	2.63363	5 X
K16W11M	16.3	0.15	K20CH	30.792	45.220	323.725	14.569	0.15829	2.54863	5 X
K16W12U	17.0	0.15	K20CH	52.644	27.509	296.282	11.152	0.27651	2.55010	4 X
K16W20F	18.4	0.15	K20CH	18.908	47.777	339.909	13.401	0.27430	2.52435	2 X
K16W20R	17.7	0.15	K20CH	43.788	19.346	326.831	8.562	0.30790	2.53505	3 X
K16W20U	17.3	0.15	K20CH	51.060	62.852	289.515	14.160	0.15831	2.54127	5 X
K16W42P	17.0	0.15	K20CH	323.891	197.122	258.932	11.345	0.13983	2.59374	7 X
K16W47K	17.8	0.15	K20CH	10.567	145.205	243.997	33.252	0.29194	2.58745	2 X
K16W58J	17.2	0.15	K20CH	318.730	89.871	16.510	24.512	0.09400	2.57659	3 X
K16W62F	16.2	0.15	K20CH	17.698	348.631	325.176	14.047	0.24895	2.90384	8 X
K16W67S	17.5	0.15	K20CH	35.005	68.368	299.039	13.432	0.19590	2.56922	3 X
K16X04A	16.3	0.15	K20CH	31.702	281.695	87.941	12.401	0.22397	2.59296	9 X
K16X07H	16.1	0.15	K20CH	87.072	269.564	30.959	15.543	0.18698	2.57542	9 X

K16X29W	17.7	0.15	K20CH	356.463	49.956	334.405	7.966	0.24492	2.71119	3 V
K16X29X	17.6	0.15	K20CH	20.678	133.663	260.215	11.795	0.19092	2.65137	4 V
K16Y00M	22.0	0.15	K20CH	359.957	183.345	263.331	14.575	0.58742	2.50935	3 V
K16Y06R	17.6	0.15	K20CH	20.351	107.998	269.115	11.695	0.27353	2.62806	4 X
K16Y10G	18.0	0.15	K20CH	18.526	257.673	125.584	12.642	0.43535	2.61384	4 X
K16Y15Q	17.4	0.15	K20CH	336.033	142.137	303.864	12.772	0.18308	2.69429	5 X
K17A19D	17.0	0.15	K20CH	9.340	131.115	255.969	11.939	0.43298	2.46651	3 X
K17B08V	17.4	0.15	K20CH	350.465	110.569	324.683	5.252	0.28092	2.68835	7 X
K17B09Q	17.4	0.15	K20CH	304.228	149.965	2.936	15.914	0.34485	2.72001	4 X
K17B31H	16.4	0.15	K20CH	358.303	109.993	7.900	29.620	0.33342	2.62919	7 X
K17B36F	17.7	0.15	K20CH	6.430	98.384	344.350	27.666	0.38327	2.59668	3 X
K17B43N	17.1	0.15	K20CH	352.628	122.611	304.222	12.649	0.15790	2.74212	4 X
K17B93Q	20.3	0.15	K20CH	328.418	229.142	284.006	38.653	0.42258	1.57008	3 X
K17B97P	16.6	0.15	K20CH	301.368	143.121	343.198	10.321	0.08638	2.84321	9 X
K17B99J	17.6	0.15	K20CH	358.698	111.107	308.072	11.996	0.20948	2.71675	4 X
K17F05Y	16.4	0.15	K20CH	273.104	185.268	324.672	12.072	0.06100	3.02398	5 X
K17F44E	16.0	0.15	K20CH	351.364	49.356	18.763	27.377	0.09672	3.08323	9 X
K17G06O	19.3	0.15	K20CH	351.805	73.992	30.125	25.619	0.58489	2.60049	2 X
K17M17K	18.9	0.15	K20CH	85.131	69.543	245.937	19.035	0.10269	1.89387	2 V
K17P26P	17.9	0.15	K20CH	345.657	110.782	356.882	23.701	0.09403	1.83541	4 X
K17P57Z	18.5	0.15	K20CH	344.914	69.606	12.679	22.973	0.20186	2.12679	4 X
K17S19E	19.8	0.15	K20CH	347.856	29.759	87.313	8.801	0.52695	2.11745	3 X
K17T00F	18.0	0.15	K20CH	317.813	193.345	290.540	14.758	0.29820	2.05117	2 X
K17T00J	18.0	0.15	K20CH	289.545	237.779	263.123	18.907	0.05626	1.98362	2 X
K17V12T	20.4	0.15	K20CH	327.456	142.922	18.713	6.568	0.47259	1.32143	4 X
K17X00Z	17.5	0.15	K20CH	358.806	75.776	298.071	20.744	0.33300	2.29284	4 X
K17X61A	18.2	0.15	K20CH	29.820	297.331	77.429	22.320	0.36198	2.20995	5 X
K17Y03H	17.1	0.15	K20CH	346.059	186.357	240.959	25.570	0.27315	2.28578	7 X
K18A01Y	18.2	0.15	K20CH	12.584	104.969	272.525	20.290	0.31162	2.28733	5 X
K18B02R	16.2	0.15	K20CH	128.558	279.813	348.483	24.383	0.11813	2.54594	9 X
K18F28N	16.9	0.15	K20CH	297.502	147.316	335.981	14.622	0.04952	2.57114	8 X
K18F36R	17.0	0.15	K20CH	2.836	25.079	24.365	30.666	0.21171	2.60552	4 X
K18G05V	20.0	0.15	K20CH	344.588	83.267	29.713	21.885	0.47850	2.17671	2 X
K18N27Y	16.7	0.15	K20CH	116.628	285.892	107.609	9.651	0.21139	2.91719	6 V
K18T31S	16.8	0.15	K20CH	76.354	90.415	8.678	25.575	0.22596	3.18537	4 V
K18VD2D	16.5	0.15	K20CH	73.233	46.675	59.196	13.731	0.05582	3.19983	6 V
K19E01X	19.1	0.15	K20CH	27.702	356.676	34.139	21.306	0.09095	1.85208	3 X
K19F08N	15.3	0.15	K20CH	46.179	319.625	33.124	25.351	0.22310	2.33599	2 X
K19F20Y	19.1	0.15	K20CH	20.002	29.809	6.191	19.557	0.09093	1.93299	4 X
K19G33E	13.8	0.15	K20CH	8.986	132.445	235.334	15.500	0.24034	2.75617	6 X
K19G82E	17.2	0.15	K20CH	57.785	264.552	70.955	14.850	0.32827	2.75033	5 X
K19G83U	18.3	0.15	K20CH	51.346	22.730	318.710	4.936	0.26954	2.30515	5 V
K19J79Z	17.3	0.15	K20CH	35.346	320.885	46.072	16.618	0.26059	2.58316	3 V
K19L02D	11.9	0.15	K20CH	20.572	123.319	179.627	11.579	0.13247	5.27678	3 X
K19N52F	17.8	0.15	K20CH	146.091	14.389	300.496	3.524	0.07554	2.71454	4 V
K19SD6C	17.7	0.15	K20CH	128.272	53.827	268.742	10.371	0.27302	2.67414	4 V
K20C05N	17.8	0.15	K20CH	60.722	358.095	150.212	4.264	0.14311	3.13395	4 V
K20L08O	18.3	0.15	K20CH	55.301	35.622	236.123	7.738	0.22655	2.36257	4 V
K20M04X	19.9	0.15	K20CH	18.194	264.366	105.437	27.633	0.49282	2.55849	2 X
K20M18J	18.0	0.15	K20CH	354.674	167.120	202.686	5.717	0.21769	2.94170	4 V
K20O00Q	18.6	0.15	K20CH	25.582	104.472	253.397	20.631	0.33955	2.16949	3 X
K20O30J	18.0	0.15	K20CH	17.231	67.649	317.843	14.051	0.27660	2.70949	4 X
K20O63T	18.0	0.15	K20CH	58.997	35.647	274.978	4.123	0.23165	2.39612	8 V
K20P00M	19.7	0.15	K20CH	13.859	95.518	289.806	25.076	0.48372	2.56252	2 X
K20Q11A	17.2	0.15	K20CH	0.809	27.924	13.574	34.257	0.26276	2.59387	4 X
K20Q47W	17.9	0.15	K20CH	357.817	69.156	356.424	10.918	0.27891	2.65194	5 X
K20Q48Y	18.0	0.15	K20CH	28.740	69.915	288.868	10.258	0.21517	2.66673	4 V
K20Q48Z	17.1	0.15	K20CH	28.013	83.417	291.205	12.402	0.28394	3.00827	4 V
K20S07X	19.3	0.15	K20CH	7.460	77.531	334.927	6.800	0.32858	2.38164	3 X
K20S28G	19.0	0.15	K20CH	7.114	114.807	285.284	4.561	0.12796	2.19846	3 V
K20S28H	17.3	0.15	K20CH	68.819	351.414	324.863	11.458	0.17900	2.62777	5 V
K20S28J	18.5	0.15	K20CH	12.049	168.038	210.184	11.720	0.19704	2.61196	4 V
K20S28K	17.6	0.15	K20CH	15.027	55.605	337.899	9.556	0.13996	2.63553	4 V
K20S28L	18.8	0.15	K20CH	57.717	235.552	102.770	4.987	0.17073	2.21366	6 V

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K10F09T	24.3	0.15	K20CH	107.979	133.314	11.070	3.402	0.63990	2.81864	26	V
K14EA8N	17.9	0.15	K20CH	326.182	103.784	267.311	3.275	0.02050	2.77876	8	V
K16T69U	17.5	0.15	K20CH	59.097	51.221	313.997	8.953	0.19729	2.40462	55	X
K17C01Q	24.3	0.15	K20CH	296.467	270.023	313.459	7.840	0.21462	1.18366	39	X
K19K34D	18.5	0.15	K20CH	134.098	106.074	215.392	22.819	0.27278	2.40753	151	V
K19L20J	16.6	0.15	K20CH	95.708	58.139	262.454	25.114	0.18145	3.18556	152	V
K19L20K	17.5	0.15	K20CH	134.251	58.241	221.620	11.872	0.16731	2.65606	66	V
K19L20L	19.0	0.15	K20CH	127.911	102.850	228.215	10.612	0.25631	2.31527	74	V
K19L20M	18.3	0.15	K20CH	98.000	45.977	247.263	12.020	0.34748	3.11867	59	V
K19M17O	18.7	0.15	K20CH	93.860	85.789	297.681	27.119	0.38987	2.58044	64	V
K19M17P	17.8	0.15	K20CH	124.363	70.254	235.812	15.724	0.17006	2.55419	55	V
K19N09L	19.1	0.15	K20CH	147.994	177.565	139.093	3.022	0.22342	2.24610	67	V
K19N52G	18.3	0.15	K20CH	129.765	315.089	327.481	6.970	0.11646	2.71612	37	V
K19N52H	14.6	0.15	K20CH	335.293	65.078	318.886	17.703	0.08326	5.27111	58	V
K19N52J	18.0	0.15	K20CH	54.688	68.732	334.767	8.008	0.22079	2.79338	86	V
K19N52K	18.0	0.15	K20CH	129.023	162.390	143.018	15.358	0.06727	2.63813	56	V
K19O28D	17.9	0.15	K20CH	76.655	98.514	290.027	27.384	0.34604	2.67595	31	V
K19O28E	17.4	0.15	K20CH	92.866	40.044	252.063	18.582	0.32812	3.08396	10	V
K19P44Z	17.4	0.15	K20CH	100.980	345.863	333.914	14.545	0.25093	3.16039	74	V
K19P45A	17.4	0.15	K20CH	52.681	208.166	178.436	6.310	0.12776	3.09125	49	V
K19P45B	19.4	0.15	K20CH	102.119	231.064	156.156	2.749	0.24501	2.29922	51	V
K19Q49E	17.8	0.15	K20CH	109.048	49.612	286.017	13.423	0.28607	2.89080	69	V
K19Q49F	18.6	0.15	K20CH	115.603	129.526	147.320	14.220	0.26182	3.15528	12	V
K19Q49G	18.3	0.15	K20CH	141.455	303.899	329.652	3.061	0.08817	2.96670	10	V
K19Q49H	18.7	0.15	K20CH	113.726	152.880	145.353	1.781	0.14840	2.99695	12	V
K19Q49J	18.3	0.15	K20CH	316.079	354.162	124.932	0.962	0.03084	2.77466	10	V



K19Q49K	19.3	0.15	K20CH	109.189	13.781	329.719	8.833	0.34506	2.67313	30 V
K19Q49L	18.1	0.15	K20CH	97.743	61.215	301.949	8.270	0.27498	2.72024	40 V
K19Q49M	18.0	0.15	K20CH	105.510	176.264	171.962	16.710	0.31595	2.47752	44 V
K19Q49N	18.3	0.15	K20CH	146.596	19.329	261.333	12.176	0.36861	2.56777	63 V
K19R48J	17.9	0.15	K20CH	70.207	209.605	184.761	33.779	0.12199	2.71376	28 V
K19R48K	18.4	0.15	K20CH	118.535	81.861	253.354	1.875	0.26310	2.59429	31 V
K19R48L	19.2	0.15	K20CH	103.108	76.425	280.208	7.034	0.33159	2.67105	48 V
K19R48M	19.9	0.15	K20CH	127.767	37.598	330.951	5.565	0.29958	2.25396	43 V
K19SD6D	17.2	0.15	K20CH	73.164	39.429	1.492	16.191	0.21318	3.04049	38 V
K19SD6E	17.3	0.15	K20CH	53.746	61.540	357.427	26.774	0.22045	3.04838	25 V
K19SD6F	19.2	0.15	K20CH	234.502	301.962	1.655	20.137	0.09125	1.86923	37 V
K19SD6G	18.4	0.15	K20CH	144.986	37.266	311.431	6.524	0.12304	2.30675	26 V
K19SD6H	17.2	0.15	K20CH	87.464	15.009	348.207	14.844	0.21764	3.14262	37 V
K19SD6J	17.6	0.15	K20CH	32.899	90.230	349.191	9.107	0.21884	3.14960	32 V
K19SD6K	17.7	0.15	K20CH	97.339	353.245	0.163	9.903	0.18674	3.10012	32 V
K19SD6L	18.7	0.15	K20CH	83.213	100.758	302.259	8.942	0.38540	2.75248	38 V
K19T14F	17.5	0.15	K20CH	55.303	58.533	34.154	25.193	0.16705	2.75787	73 V
K19T59K	19.0	0.15	K20CH	147.956	320.964	10.427	21.597	0.26905	2.38002	65 V
K19T59L	16.8	0.15	K20CH	78.783	49.270	343.681	25.379	0.22466	3.19104	49 V
K19T59M	19.1	0.15	K20CH	120.055	141.093	230.124	6.147	0.24522	2.41846	23 V
K19T59N	19.1	0.15	K20CH	124.753	37.021	332.986	9.822	0.24481	2.33455	29 V
K19T59O	19.1	0.15	K20CH	146.924	40.724	357.590	19.345	0.06852	1.89473	54 V
K19T59P	18.3	0.15	K20CH	112.672	97.808	248.568	28.147	0.29293	2.60604	44 V
K19U19E	17.4	0.15	K20CH	108.964	339.324	56.560	23.175	0.06611	2.66931	55 V
K19U28Y	19.2	0.15	K20CH	210.119	275.360	62.537	22.919	0.08977	1.91601	35 V
K19U84J	18.1	0.15	K20CH	119.672	31.349	333.206	11.930	0.30554	2.64541	72 V
K19U84K	17.8	0.15	K20CH	66.661	181.424	249.587	14.624	0.28834	3.03705	42 V
K19U84L	19.1	0.15	K20CH	80.064	150.216	293.679	1.920	0.15760	2.36359	26 V
K19U84M	16.9	0.15	K20CH	120.651	323.705	14.787	28.086	0.27773	3.09493	26 V
K19U84N	18.4	0.15	K20CH	52.575	60.468	28.213	8.625	0.14490	2.78779	28 V
K19U84O	17.5	0.15	K20CH	95.638	128.630	238.792	8.577	0.09054	3.19760	14 V
K19V17M	18.2	0.15	K20CH	116.340	293.321	115.588	18.500	0.34066	2.63965	90 V
K19W13B	18.3	0.15	K20CH	96.699	354.370	119.252	25.321	0.22032	2.39408	67 V
K19W13C	18.4	0.15	K20CH	90.365	28.907	85.683	4.542	0.10190	2.51808	66 V
K19X08W	18.0	0.15	K20CH	105.136	94.483	332.221	16.620	0.28338	2.74319	56 V
K19X08X	17.1	0.15	K20CH	72.700	121.959	340.339	16.169	0.20957	3.14275	55 V
K19X08Y	17.6	0.15	K20CH	44.329	276.046	269.755	21.447	0.25224	2.34729	72 V
K19X08Z	17.3	0.15	K20CH	75.726	52.986	36.421	14.375	0.26703	3.17592	50 V
K19Y26U	19.2	0.15	K20CH	75.217	218.846	292.772	4.639	0.21554	2.24856	44 V
K19Y26V	18.5	0.15	K20CH	116.172	277.067	123.175	26.717	0.35094	2.77590	35 V
K19Y26W	18.1	0.15	K20CH	114.620	304.029	123.557	12.959	0.14814	2.68528	36 V
K19Y26X	18.9	0.15	K20CH	93.556	134.366	316.032	11.535	0.25625	2.64193	34 V
K19Y26Y	17.1	0.15	K20CH	139.972	265.553	117.563	22.757	0.16781	3.05341	26 V
K19Y26Z	16.9	0.15	K20CH	5.372	71.607	118.633	10.284	0.13148	3.09438	32 V
K20A14T	17.7	0.15	K20CH	85.561	319.019	124.201	16.581	0.20248	3.07868	32 V
K20A14U	18.3	0.15	K20CH	15.887	67.037	126.464	5.176	0.07793	2.58095	26 V
K20A14V	16.5	0.15	K20CH	4.641	235.042	312.511	24.486	0.10992	3.17028	29 V
K20A14W	17.5	0.15	K20CH	38.726	94.752	92.230	25.657	0.29498	3.19702	133 V
K20A14X	17.8	0.15	K20CH	39.960	192.839	316.844	12.521	0.13755	3.16451	50 V
K20A14Y	18.5	0.15	K20CH	112.073	306.342	140.249	23.424	0.25987	2.28350	52 V
K20B46Z	17.9	0.15	K20CH	94.293	114.543	315.262	14.001	0.26171	3.09449	15 V
K20B47A	19.6	0.15	K20CH	113.905	151.798	318.763	2.835	0.09831	2.19133	15 V
K20B47B	17.3	0.15	K20CH	69.520	162.492	323.662	16.367	0.15515	3.14058	38 V
K20B47C	17.9	0.15	K20CH	42.344	198.187	328.629	14.038	0.21439	3.18440	61 V
K20B47D	18.8	0.15	K20CH	67.698	132.829	46.565	7.032	0.18228	2.31550	63 V
K20B47E	19.1	0.15	K20CH	109.548	61.341	50.834	4.714	0.17270	2.29803	29 V
K20B47F	17.2	0.15	K20CH	347.218	257.734	306.336	12.225	0.08024	3.06287	22 V
K20B47G	18.0	0.15	K20CH	63.883	166.138	314.382	5.453	0.19019	3.01594	22 V
K20B47H	17.6	0.15	K20CH	137.264	287.736	116.156	4.988	0.10557	2.78452	22 V
K20B47J	19.3	0.15	K20CH	128.935	343.202	96.699	3.376	0.15331	2.26287	35 V
K20B47K	16.7	0.15	K20CH	24.036	95.968	52.840	3.131	0.18585	3.96185	10 V
K20B47L	17.8	0.15	K20CH	81.967	145.744	346.421	29.734	0.19257	2.74243	85 V
K20B47M	18.0	0.15	K20CH	76.701	145.676	343.203	33.118	0.21595	2.67666	54 V
K20B47N	18.8	0.15	K20CH	127.177	98.787	323.177	22.737	0.29361	2.28659	12 V
K20H67X	17.5	0.15	K20CH	29.550	106.548	130.204	25.617	0.27839	3.09840	30 V
K20K22G	17.5	0.15	K20CH	22.371	134.773	140.597	1.992	0.24092	3.00221	24 V
K20K26H	18.1	0.15	K20CH	14.706	112.603	218.737	7.371	0.30218	2.79407	148 V
K20K26J	17.2	0.15	K20CH	46.783	314.549	295.220	26.038	0.38477	3.11935	54 V
K20M19R	16.9	0.15	K20CH	24.245	48.589	265.611	12.558	0.20930	3.15948	112 V
K20M19S	17.6	0.15	K20CH	42.050	32.274	281.563	13.093	0.22070	2.75630	112 V
K20M27K	18.3	0.15	K20CH	45.424	62.838	203.138	12.298	0.27479	2.67118	11 V
K20M27L	18.2	0.15	K20CH	21.867	49.470	289.088	31.388	0.21161	2.57672	32 V
K20N03Y	17.3	0.15	K20CH	359.073	25.549	327.372	14.376	0.14707	2.86115	98 V
K20N04B	18.8	0.15	K20CH	33.951	89.101	250.463	21.286	0.29593	2.35342	117 V
K20O08C	20.8	0.15	K20CH	16.559	198.926	195.986	4.858	0.43812	1.91308	171 X
K20O33W	18.1	0.15	K20CH	18.228	16.698	337.919	8.825	0.29246	2.77584	89 V
K20O34L	16.3	0.15	K20CH	81.702	349.069	273.317	16.753	0.18004	3.09251	90 V
K20O35X	17.8	0.15	K20CH	61.274	275.143	21.744	14.402	0.19804	2.37683	107 V
K20O37E	18.7	0.15	K20CH	50.405	344.265	336.279	3.523	0.26066	2.34949	100 V
K20O37J	19.5	0.15	K20CH	9.645	35.145	352.479	21.048	0.05360	1.87108	78 V
K20O37K	18.5	0.15	K20CH	48.175	252.572	71.967	3.439	0.21283	2.30106	81 V
K20O37Q	17.1	0.15	K20CH	38.632	188.598	136.348	11.672	0.21553	3.12721	85 V
K20O38H	18.2	0.15	K20CH	30.385	243.804	90.288	7.326	0.21830	2.42267	114 V
K20O39S	18.3	0.15	K20CH	24.923	254.287	85.975	7.511	0.14116	2.36035	113 V
K20O41H	17.6	0.15	K20CH	6.966	60.368	309.289	12.376	0.20311	2.70079	116 V
K20O42W	17.7	0.15	K20CH	71.383	343.452	298.679	11.484	0.15395	2.65080	76 V
K20O47N	18.9	0.15	K20CH	33.034	249.798	84.150	6.270	0.29079	2.68455	84 V
K20O48Y	18.2	0.15	K20CH	19.951	351.601	33.452	6.845	0.25489	2.35714	130 X
K20O63U	17.3	0.15	K20CH	28.475	59.264	282.578	30.224	0.26738	2.63839	35 V
K20O63V	18.2	0.15	K20CH	52.048	80.615	241.862	13.071	0.17778	2.61874	75 V
K20O63W	19.2	0.15	K20CH	31.848	8.662	357.598	19.920	0.08082	1.92098	82 V
K20O63X	19.0	0.15	K20CH	17.646	125.904	254.632	19.920	0.08404	1.90878	86 V
K20P00B	17.8	0.15	K20CH	20.537	69.538	292.915	19.167	0.41198	3.11504	126 X

K20P17D	18.2	0.15	K20CH	23.298	81.322	262.406	7.698	0.14303	2.72056	62 V
K20P19X	17.9	0.15	K20CH	42.067	307.956	23.099	14.993	0.19710	2.77901	96 V
K20P20F	16.8	0.15	K20CH	64.979	277.646	3.810	26.222	0.18764	3.07721	61 V
K20P22B	16.9	0.15	K20CH	336.904	187.433	207.486	12.605	0.02700	2.92291	61 V
K20P24Z	19.2	0.15	K20CH	26.303	91.010	286.221	18.109	0.15011	1.86407	114 X
K20P25B	18.3	0.15	K20CH	27.870	86.016	244.982	11.966	0.23081	2.71125	64 V
K20P25V	18.1	0.15	K20CH	32.319	186.272	151.483	15.953	0.22235	2.75838	86 V
K20P39C	19.2	0.15	K20CH	30.242	220.113	149.150	7.311	0.18704	2.18406	65 V
K20P39D	17.7	0.15	K20CH	11.165	269.452	119.375	5.972	0.17306	2.77278	68 V
K20Q03P	22.7	0.15	K20CH	15.304	81.956	305.394	3.030	0.51274	2.35209	108 X
K20Q04M	18.6	0.15	K20CH	49.144	297.627	22.955	23.420	0.44595	2.11616	106 X
K20Q06U	18.2	0.15	K20CH	34.542	321.339	356.983	23.961	0.48482	2.27719	98 X
K20Q07Z	20.5	0.15	K20CH	2.642	131.835	294.008	5.716	0.50291	2.68007	102 X
K20Q16L	17.7	0.15	K20CH	7.357	156.732	208.284	14.490	0.27328	3.18862	61 V
K20Q16Q	18.6	0.15	K20CH	47.640	35.909	284.172	3.576	0.20303	2.36092	61 V
K20Q17F	17.9	0.15	K20CH	43.062	173.695	149.962	11.882	0.26670	2.98503	63 V
K20Q17G	18.8	0.15	K20CH	52.657	229.526	95.583	7.628	0.24624	2.29703	63 V
K20Q17M	17.3	0.15	K20CH	1.801	109.466	275.124	14.758	0.23640	3.15642	85 V
K20Q17V	18.2	0.15	K20CH	53.055	336.289	338.116	9.057	0.16879	2.61300	53 V
K20Q17W	17.9	0.15	K20CH	18.552	62.484	301.889	2.473	0.10939	2.76416	55 V
K20Q17Y	17.6	0.15	K20CH	26.489	176.828	163.864	3.802	0.25121	3.10545	54 V
K20Q18L	17.9	0.15	K20CH	38.821	300.902	19.265	20.331	0.32470	2.76048	81 V
K20Q20S	17.8	0.15	K20CH	38.941	174.562	160.952	14.149	0.17504	2.60601	64 V
K20Q21D	17.8	0.15	K20CH	41.310	83.812	263.715	15.356	0.24294	2.61771	96 V
K20Q23A	17.6	0.15	K20CH	60.744	124.480	171.303	14.204	0.20274	2.73560	75 V
K20Q23J	18.4	0.15	K20CH	7.829	304.611	73.477	5.471	0.12045	2.51971	60 V
K20Q24Q	18.6	0.15	K20CH	344.304	150.778	266.532	6.385	0.07912	2.28813	61 V
K20Q25N	18.5	0.15	K20CH	41.490	57.255	270.333	13.185	0.22111	2.60712	59 V
K20Q25O	18.6	0.15	K20CH	51.850	268.526	54.497	7.074	0.14463	2.29308	72 V
K20Q25P	18.2	0.15	K20CH	17.157	200.690	185.368	5.453	0.27529	2.60700	86 V
K20Q28X	17.6	0.15	K20CH	68.765	6.281	294.548	14.002	0.14981	2.66612	66 V
K20Q47O	18.1	0.15	K20CH	27.806	45.588	325.483	12.285	0.27778	2.59235	99 X
K20Q49A	17.7	0.15	K20CH	5.611	87.189	289.431	19.749	0.28011	3.16684	58 V
K20Q49B	18.2	0.15	K20CH	35.798	253.158	86.668	14.124	0.41941	2.68133	64 V
K20Q49C	17.9	0.15	K20CH	354.568	96.928	302.276	14.293	0.28448	3.12382	53 V
K20Q49D	17.8	0.15	K20CH	352.424	43.315	354.043	11.759	0.11309	2.64720	62 V
K20Q49E	19.3	0.15	K20CH	355.115	222.145	191.082	22.287	0.06722	1.92752	56 V
K20Q49F	19.0	0.15	K20CH	26.581	175.303	178.087	18.008	0.34156	2.87531	57 V
K20Q49G	19.5	0.15	K20CH	353.218	70.197	353.653	19.551	0.13351	1.92444	59 V
K20Q49H	18.5	0.15	K20CH	28.159	340.288	45.759	5.842	0.19126	2.32851	59 V
K20Q49J	18.6	0.15	K20CH	28.288	110.633	252.639	11.907	0.27463	2.59408	60 V
K20Q49K	19.1	0.15	K20CH	24.695	225.942	144.886	7.428	0.25353	2.36035	49 V
K20Q49L	18.4	0.15	K20CH	19.810	228.612	155.869	13.090	0.23751	2.66770	54 V
K20Q49M	18.2	0.15	K20CH	22.366	292.266	83.718	6.057	0.28245	2.65919	56 V
K20Q49N	18.3	0.15	K20CH	27.833	213.472	155.211	14.309	0.30503	2.62289	54 V
K20Q49O	17.8	0.15	K20CH	25.766	52.148	298.498	14.125	0.29433	3.10747	46 V
K20R11Q	22.2	0.15	K20CH	0.780	29.372	45.984	9.307	0.57343	2.47671	81 X
K20R12Q	17.5	0.15	K20CH	12.613	344.767	18.064	11.882	0.11230	3.03226	40 V
K20R12R	17.8	0.15	K20CH	73.917	213.507	84.317	3.715	0.05657	2.63977	38 V
K20R12S	18.9	0.15	K20CH	353.056	253.819	154.751	5.592	0.21184	2.31960	38 V
K20R12W	18.5	0.15	K20CH	51.985	258.403	57.128	9.318	0.23509	2.40567	42 V
K20R12X	18.5	0.15	K20CH	61.365	139.349	171.007	20.768	0.19281	2.35474	40 V
K20R14V	17.7	0.15	K20CH	16.160	297.693	71.169	10.125	0.17941	2.78070	37 V
K20R17E	17.5	0.15	K20CH	6.672	346.265	22.246	10.408	0.11333	3.01461	41 V
K20R18S	18.7	0.15	K20CH	7.764	251.852	133.221	7.029	0.21394	2.43881	35 V
K20R20U	17.0	0.15	K20CH	41.484	251.620	91.043	13.069	0.09460	2.96786	36 V
K20R21S	17.4	0.15	K20CH	66.701	238.035	68.952	10.743	0.08846	3.01237	32 V
K20R22E	17.0	0.15	K20CH	2.188	291.724	85.056	11.091	0.04666	3.10723	35 V
K20R48Z	18.1	0.15	K20CH	359.970	39.165	24.532	19.055	0.35986	3.10253	80 X
K20R49A	17.4	0.15	K20CH	14.743	173.174	229.255	7.284	0.24892	2.57609	54 V
K20R49B	17.7	0.15	K20CH	19.025	130.904	259.543	24.901	0.36290	2.69424	56 V
K20R49C	18.9	0.15	K20CH	27.354	333.938	19.440	2.348	0.23097	2.58243	35 V
K20R49D	18.7	0.15	K20CH	54.670	281.555	34.876	4.074	0.22837	2.37157	15 V
K20R49E	18.6	0.15	K20CH	26.830	193.560	165.890	14.248	0.27605	2.65119	40 V
K20R49F	16.8	0.15	K20CH	330.524	324.206	125.955	15.624	0.21794	3.09570	40 V
K20R49G	19.5	0.15	K20CH	34.283	332.781	42.670	20.544	0.10483	1.87818	42 V
K20R49H	17.4	0.15	K20CH	25.298	275.821	86.302	14.226	0.29890	3.20306	41 V
K20R49J	17.8	0.15	K20CH	27.183	304.643	52.707	15.293	0.25894	3.05320	36 V
K20R49K	18.3	0.15	K20CH	19.779	267.076	102.541	3.311	0.38151	3.05727	42 V
K20R49L	19.6	0.15	K20CH	16.871	179.268	191.916	10.212	0.23519	2.33592	13 V
K20R49M	18.4	0.15	K20CH	352.373	18.853	34.136	11.925	0.19403	2.44643	41 V
K20R49N	19.0	0.15	K20CH	352.808	190.114	216.071	20.964	0.03377	1.96546	39 V
K20S07Z	17.8	0.15	K20CH	12.488	67.869	324.989	11.598	0.27580	2.70476	76 X
K20S09E	18.2	0.15	K20CH	4.979	239.245	148.862	4.229	0.18468	2.69798	37 V
K20S09M	18.6	0.15	K20CH	9.264	91.045	306.150	10.198	0.30772	2.64370	76 V
K20S18K	20.4	0.15	K20CH	33.625	288.591	69.167	3.863	0.45661	2.25961	69 X
K20S19T	19.3	0.15	K20CH	13.616	121.841	266.377	12.714	0.30432	2.63561	41 V
K20S20H	18.2	0.15	K20CH	2.825	38.548	16.123	14.436	0.37407	2.97889	77 X
K20S21Y	18.3	0.15	K20CH	15.157	48.246	340.675	14.057	0.34224	2.87811	76 X
K20S22A	18.5	0.15	K20CH	355.192	118.534	305.043	11.597	0.24206	2.61538	76 X
K20S25U	18.6	0.15	K20CH	29.947	13.328	348.455	13.262	0.31314	2.61942	72 X
K20S25V	18.7	0.15	K20CH	12.842	71.955	323.058	10.454	0.30831	2.64590	72 X
K20S28R	19.8	0.15	K20CH	25.663	140.689	236.455	21.606	0.11142	1.76681	40 V
K20S28S	19.5	0.15	K20CH	358.795	59.437	5.543	19.377	0.33475	2.40250	42 V
K20S28T	18.4	0.15	K20CH	14.827	83.345	281.729	7.721	0.35451	3.09364	37 V
K20S28U	17.3	0.15	K20CH	50.039	45.603	284.800	15.638	0.22621	3.14997	39 V
K20S28V	17.8	0.15	K20CH	349.925	105.461	314.757	15.910	0.21836	3.08649	38 V
K20S28W	17.2	0.15	K20CH	18.808	60.840	324.331	22.582	0.12881	2.59421	12 V
K20S28X	19.0	0.15	K20CH	5.677	169.610	225.089	7.779	0.38325	2.78053	28 V
K20S28Y	18.8	0.15	K20CH	44.885	114.081	217.063	13.731	0.22616	2.39506	28 V
K20S28Z	17.9	0.15	K20CH	337.724	83.032	356.557	7.631	0.24717	3.05202	38 V
K20S29A	18.3	0.15	K20CH	41.377	336.921	6.394	14.616	0.28353	2.67092	40 V
K20S29B	18.4	0.15	K20CH	315.282	178.012	288.487	5.574	0.09736	2.43280	38 V

K20S29C	17.8	0.15	K20CH	18.304	84.481	298.909	4.838	0.24394	2.93983	40 V
K20S29D	18.8	0.15	K20CH	27.583	6.726	344.165	8.332	0.27415	2.69382	28 V
K20S29E	19.1	0.15	K20CH	20.408	27.202	346.730	6.921	0.19863	2.26715	28 V
K20S29F	17.5	0.15	K20CH	16.038	92.705	284.468	9.628	0.28230	3.10456	39 V
K20S29G	18.1	0.15	K20CH	31.331	240.452	127.805	4.177	0.24267	2.59927	35 V
K20S29H	18.9	0.15	K20CH	24.258	358.149	18.448	14.635	0.25631	2.60104	38 V
K20S29J	17.7	0.15	K20CH	27.292	13.146	4.629	11.532	0.18182	2.66319	38 V
K20S29K	17.3	0.15	K20CH	4.410	149.782	240.872	27.515	0.21167	3.20843	36 V
K20S29L	17.0	0.15	K20CH	14.767	78.928	282.880	8.721	0.13930	3.08688	26 V
K20S29M	18.5	0.15	K20CH	354.540	230.082	190.744	28.426	0.27694	2.66872	30 V
K20S29N	18.4	0.15	K20CH	58.521	315.930	358.768	17.624	0.33871	2.59578	33 V
K20S29O	18.9	0.15	K20CH	10.989	52.234	347.855	12.168	0.27718	2.61522	34 V
K20S29P	18.4	0.15	K20CH	2.739	64.196	348.118	11.645	0.19264	2.55323	33 V
K20S29Q	17.6	0.15	K20CH	50.284	29.272	307.946	5.518	0.21964	2.97533	34 V
K20S29R	17.1	0.15	K20CH	359.375	35.720	3.074	8.464	0.07379	3.17017	32 V
K20S29S	18.4	0.15	K20CH	32.986	92.999	253.046	13.025	0.32152	2.72474	24 V
K20S29T	18.7	0.15	K20CH	31.057	297.209	54.493	10.699	0.29931	2.61644	22 V
K20S29U	19.1	0.15	K20CH	14.565	168.188	225.594	7.796	0.34461	2.63226	28 V
K20S29V	16.9	0.15	K20CH	57.725	310.561	22.302	13.686	0.22402	2.96984	30 V
K20S29W	18.9	0.15	K20CH	17.464	173.000	220.608	5.926	0.32051	2.57305	28 V
K20S29X	19.1	0.15	K20CH	28.730	81.124	251.364	21.165	0.46718	3.07480	27 V
K20S29Y	18.5	0.15	K20CH	18.156	238.611	159.596	2.583	0.21497	2.63420	28 V
K20S29Z	18.5	0.15	K20CH	4.247	259.878	143.704	7.886	0.30668	2.79672	26 V
K20S30A	17.8	0.15	K20CH	347.733	310.499	121.268	5.980	0.26998	3.06616	26 V
K20S30B	18.9	0.15	K20CH	16.285	68.586	308.400	11.860	0.28189	2.58778	31 V
K20S30C	18.1	0.15	K20CH	2.950	163.342	249.691	12.037	0.26109	2.68813	33 V
K20T01Z	24.1	0.15	K20CH	5.698	51.217	19.951	4.357	0.25901	1.43594	57 X
K20T03G	22.5	0.15	K20CH	3.101	201.766	229.546	9.108	0.61968	2.84554	58 X
K20T05H	21.1	0.15	K20CH	323.151	326.420	175.821	4.594	0.39897	1.42508	52 X
K20T07E	23.8	0.15	K20CH	2.374	54.798	25.199	5.794	0.44003	1.74951	51 X
K20T07T	22.2	0.15	K20CH	356.240	308.061	145.176	6.853	0.32841	1.70234	51 X
K20T10L	22.6	0.15	K20CH	349.538	61.334	53.766	17.522	0.46756	1.73239	51 X
K20T12B	21.6	0.15	K20CH	347.193	353.961	126.827	8.915	0.51977	2.02750	50 X
K20T12F	14.3	0.15	K20CH	313.351	73.197	6.283	7.052	0.09513	5.24965	29 V
K20T13A	17.8	0.15	K20CH	333.421	81.959	7.283	12.282	0.27560	3.10646	32 V
K20T13B	17.8	0.15	K20CH	13.069	317.130	66.136	8.456	0.16800	2.75304	12 V
K20T13C	19.0	0.15	K20CH	11.499	8.139	20.020	4.442	0.25840	2.60696	17 V
K20T13D	18.0	0.15	K20CH	55.367	291.043	26.345	28.414	0.26455	2.65222	17 V
K20T13E	17.5	0.15	K20CH	12.744	122.795	266.823	16.305	0.23418	3.23196	19 V
K20T13F	19.2	0.15	K20CH	3.025	333.716	71.596	7.873	0.34166	2.58788	12 V
K20T13G	16.7	0.15	K20CH	57.458	257.678	66.813	16.485	0.22966	3.09129	15 V
K20T13H	18.0	0.15	K20CH	0.368	145.096	271.405	13.751	0.22203	2.62815	15 V
K20T13J	17.7	0.15	K20CH	33.539	124.317	274.926	24.372	0.24425	2.26944	17 V
K20T13K	17.2	0.15	K20CH	338.028	34.123	49.366	14.260	0.24795	3.07924	13 V
K20T13L	19.8	0.15	K20CH	19.463	102.483	281.246	4.330	0.28163	2.53207	13 V
K20T13M	16.4	0.15	K20CH	338.081	215.201	232.273	15.632	0.18840	3.06111	13 V
K20T13N	19.0	0.15	K20CH	18.102	148.534	240.550	6.651	0.27749	2.64308	13 V
K20T13O	17.2	0.15	K20CH	98.855	281.015	23.052	9.465	0.14055	2.56161	12 V
K20T13P	18.5	0.15	K20CH	28.615	63.081	320.013	2.493	0.13873	2.57389	12 V
K20T13Q	19.2	0.15	K20CH	29.091	17.911	4.456	4.059	0.18515	2.14538	14 V
K20T13R	19.3	0.15	K20CH	31.290	116.700	243.368	4.603	0.25714	2.31919	11 V
K20T13S	18.9	0.15	K20CH	353.624	60.197	8.597	2.055	0.17159	2.38136	12 V
K20T13T	18.9	0.15	K20CH	16.691	175.025	219.079	14.778	0.26107	2.56741	11 V
K20T13U	17.7	0.15	K20CH	24.154	353.991	30.323	4.592	0.17671	2.63792	11 V
K20T13V	19.6	0.15	K20CH	43.817	304.248	46.776	3.660	0.26595	2.32564	11 V
K20T13W	17.2	0.15	K20CH	347.342	206.718	229.726	9.479	0.12403	3.05198	12 V
K20T13X	17.7	0.15	K20CH	353.184	26.471	45.028	13.284	0.14022	2.60251	12 V
K20T13Y	18.9	0.15	K20CH	49.235	319.018	41.015	9.089	0.15768	2.36233	11 V
K20T13Z	19.1	0.15	K20CH	31.432	260.530	109.220	6.288	0.26264	2.34817	10 V
K20U00A	28.4	0.15	K20CH	317.618	137.669	27.691	1.937	0.27255	0.85891	5 V
K20U00D	23.1	0.15	K20CH	11.524	329.381	76.374	2.248	0.48138	2.27748	57 X
K20U02N	22.5	0.15	K20CH	358.207	43.386	44.500	8.786	0.53647	2.44804	49 X
K20U03Z	20.4	0.15	K20CH	356.283	55.154	44.580	20.384	0.57974	2.16699	86 X
K20U04E	23.6	0.15	K20CH	292.894	131.988	56.458	3.806	0.37016	0.92798	45 X
K20V00T	25.3	0.15	K20CH	7.794	197.846	229.187	4.135	0.38420	1.67564	30 X
K20V01K	24.0	0.15	K20CH	347.025	46.257	61.561	11.817	0.30416	1.43552	26 X
K20V03N	20.2	0.15	K20CH	341.523	196.624	348.295	11.175	0.67955	1.77495	23 X
K20V05X	23.4	0.15	K20CH	73.357	312.408	24.592	3.861	0.23805	1.14187	21 X
K20V06Q	21.1	0.15	K20CH	346.431	58.222	82.873	15.239	0.59702	2.46047	19 X
K20W00G	21.6	0.15	K20CH	12.864	348.743	32.848	7.593	0.59692	2.48915	18 X
K20W00O	25.8	0.15	K20CH	352.040	99.851	4.999	1.667	0.35328	1.46501	18 X
K20W00U	19.6	0.15	K20CH	73.247	259.047	88.249	22.816	0.11397	1.84669	2 V
K20W00V	23.8	0.15	K20CH	336.101	62.779	60.335	26.990	0.26263	1.37340	20 X
K20W00Y	26.2	0.15	K20CH	154.983	179.915	107.290	1.703	0.02876	1.01811	18 X
K20W01D	23.7	0.15	K20CH	326.956	338.978	144.939	3.429	0.13606	1.22363	18 X
K20W01K	27.4	0.15	K20CH	23.857	358.362	58.322	9.450	0.09729	1.10616	4 X
K20W02B	23.4	0.15	K20CH	14.751	122.399	233.075	4.092	0.71360	2.73844	15 X
K20W02E	21.8	0.15	K20CH	351.536	46.501	57.293	34.372	0.41450	1.71182	23 X
K20W02F	22.1	0.15	K20CH	2.931	7.723	55.851	24.825	0.57519	2.69826	15 X
K20W02U	22.8	0.15	K20CH	7.441	289.554	110.712	6.076	0.61369	2.95631	14 X
K20W02Y	21.9	0.15	K20CH	20.528	262.250	103.259	9.173	0.53137	2.25881	14 X
K20W03B	20.3	0.15	K20CH	10.510	29.071	5.909	20.501	0.61393	2.47376	13 V
K20W03C	22.4	0.15	K20CH	355.534	193.112	252.970	16.826	0.19385	1.39990	13 X
K20W03E	25.4	0.15	K20CH	4.802	188.527	247.450	12.706	0.28965	1.47898	13 X
K20W03F	23.6	0.15	K20CH	177.312	8.838	255.569	14.225	0.06815	1.06851	13 X
K20W03K	25.1	0.15	K20CH	350.534	215.502	250.649	7.741	0.32626	1.44501	12 X
K20W03O	23.2	0.15	K20CH	236.841	348.663	244.976	27.637	0.47756	0.75041	24 X
K20W03Z	26.2	0.15	K20CH	99.589	86.217	238.870	6.667	0.16690	1.04497	11 X
K20W04E	23.4	0.15	K20CH	2.509	199.524	243.332	26.090	0.24511	1.42914	11 X
K20W04F	19.0	0.15	K20CH	357.061	102.256	345.429	7.176	0.35350	2.60662	3 V
K20W04P	22.1	0.15	K20CH	28.754	323.629	42.624	10.061	0.49506	1.74859	11 X
K20W04T	27.7	0.15	K20CH	200.486	169.736	77.397	0.799	0.17204	0.86813	10 X
K20W05A	21.5	0.15	K20CH	351.454	167.453	307.720	5.749	0.49965	2.03768	9 X

K20W05G	27.7	0.15	K20CH	43.877	304.857	71.303	1.051	0.25343	1.23501	7	X
K20W05L	21.3	0.15	K20CH	16.082	334.370	29.895	16.991	0.62638	2.45858	6	X
K20W05S	21.0	0.15	K20CH	355.494	17.041	84.647	40.714	0.54623	2.55814	7	X
K20W05T	22.3	0.15	K20CH	351.618	333.367	129.428	12.723	0.40526	1.64019	3	V
K20W05U	18.9	0.15	K20CH	269.943	78.077	112.360	42.611	0.10814	1.07276	3	V
K20X00A	23.5	0.15	K20CH	3.467	12.704	63.792	25.604	0.41811	1.76198	10	V
K20X00B	25.3	0.15	K20CH	8.913	153.120	250.146	10.868	0.61998	2.50579	2	V

New observations:

K00P27Q	C2020	12	03.33742	01	46	34.633+31	27	05.52	19.8	iU	EX012F52	
K00P27Q	C2020	12	03.36094	01	46	36.381+31	26	53.79	19.8	iU	EX012F52	
K00P27Q	C2020	12	03.37256	01	46	37.266+31	26	47.51	19.7	iU	EX012F52	
K00P27Q	C2020	12	03.37327	01	46	37.304+31	26	47.05	20.1	iU	EX012F51	
K00P27Q	C2020	12	03.38429	01	46	38.145+31	26	41.38	20.2	iU	EX012F51	
K00P27Q	C2020	12	03.39534	01	46	38.962+31	26	35.53	20.3	iU	EX012F51	
K00P27Q	C2020	12	03.40639	01	46	39.793+31	26	29.78	20.4	iU	EX012F51	
K02G08Z	C2020	12	03.53985507	36	08.08	+54	20	03.6	16.10	oV	EX012T08	
K02G08Z	C2020	12	03.57337907	36	34.68	+54	19	48.4	16.23	oV	EX012T08	
K02G08Z	C2020	12	03.57616107	36	36.87	+54	19	47.2	16.38	oV	EX012T08	
K02G08Z	C2020	12	03.60442907	36	59.31	+54	19	32.4	16.57	oV	EX012T08	
K04A00C	C2020	12	03.59552710	13	36.50	+55	32	42.8	18.33	oV	EX012T08	
K04A00C	C2020	12	03.59875110	13	39.22	+55	32	44.6	18.59	oV	EX012T08	
K04A00C	C2020	12	03.60904610	13	47.78	+55	32	52.7	18.36	oV	EX012T08	
K04A00C	C2020	12	03.61459510	13	52.55	+55	32	58.5	18.43	oV	EX012T08	
K04L03U	C2020	12	03.40893703	17	08.41	-03	34	37.1	18.62	oV	EX012T05	
K04L03U	C2020	12	03.41454503	17	08.26	-03	34	27.7	18.61	oV	EX012T05	
K04L03U	C2020	12	03.42051903	17	08.10	-03	34	18.8	18.65	oV	EX012T05	
K04L03U	C2020	12	03.43569003	17	07.70	-03	33	54.6	18.83	oV	EX012T05	
K06D00X	KC2017	03	18.15755	09	03	47.58	+06	59	37.3	oE	EX012291	
K06D00X	KC2017	03	18.17630	09	03	47.87	+06	59	21.7	22.9	Ro	EX012291
K07VD7X	C2020	12	03.38295	01	05	33.050+15	59	06.19	19.8	iU	EX012F52	
K07VD7X	C2020	12	03.39511	01	05	33.832+15	59	10.49	19.5	iU	EX012F52	
K07VD7X	C2020	12	03.40728	01	05	34.581+15	59	14.59	19.5	iU	EX012F52	
K11G60D	C2020	12	03.47303505	09	07.55	-11	59	55.7	18.79	oV	EX012T05	
K11G60D	C2020	12	03.47672905	09	06.77	-11	59	44.5	18.53	oV	EX012T05	
K11G60D	C2020	12	03.48278305	09	05.51	-11	59	24.9	18.57	oV	EX012T05	
K11G60D	C2020	12	03.49483105	09	02.89	-11	58	44.6	18.67	oV	EX012T05	
K13P06Y	C2020	12	03.29508002	55	03.09	+06	37	17.3	18.99	GV	EX012703	
K13P06Y	C2020	12	03.30041902	55	03.42	+06	37	19.3	18.97	GV	EX012703	
K13P06Y	C2020	12	03.30576002	55	03.82	+06	37	22.8	19.05	GV	EX012703	
K13P06Y	C2020	12	03.31110102	55	04.29	+06	37	25.8	18.54	GV	EX012703	
K13P06Y	C2020	12	03.42097602	55	15.01	+06	38	16.8	18.66	oV	EX012T05	
K13P06Y	C2020	12	03.42420102	55	15.30	+06	38	18.7	18.36	oV	EX012T05	
K13P06Y	C2020	12	03.43064702	55	15.89	+06	38	21.0	18.47	oV	EX012T05	
K13P06Y	C2020	12	03.45324102	55	17.81	+06	38	30.1	18.43	oV	EX012T05	
K13U14X	C2020	12	03.48630204	54	25.05	+37	33	26.7	17.17	oV	EX012T08	
K13U14X	C2020	12	03.48952804	54	24.80	+37	33	27.7	17.06	oV	EX012T08	
K13U14X	C2020	12	03.49552804	54	24.39	+37	33	29.1	17.03	oV	EX012T08	
K13U14X	C2020	12	03.50617504	54	23.61	+37	33	31.8	16.93	oV	EX012T08	
K16J33U	KC2020	12	04.11879	02	50	39.63	+27	28	09.1	19.7	Rq	EX012H36
K16J33U	KC2020	12	04.12899	02	50	37.83	+27	28	01.0	20.1	Rq	EX012H36
K16J33U	KC2020	12	04.13973	02	50	35.97	+27	27	52.9	19.9	Rq	EX012H36
K17B93Q	KC2017	03	02.10406	03	16	41.86	-14	59	13.4	oE	EX012291	
K17B93Q	KC2017	03	02.10780	03	16	42.37	-14	59	25.1	oE	EX012291	
K17C01Q	KC2017	03	08.09972	06	19	29.73	-25	51	53.4	oE	EX012291	
K17C01Q	KC2017	03	08.11069	06	19	25.59	-25	52	46.1	oE	EX012291	
K17G06O	C2020	12	03.17026223	29	15.67	+27	50	16.4	20.08	GV	EX012G96	
K17G06O	C2020	12	03.17539023	29	15.08	+27	50	27.1	19.90	GV	EX012G96	
K17G06O	C2020	12	03.18052523	29	14.45	+27	50	37.7	20.12	GV	EX012G96	
K17S19E	C2020	12	03.36281401	46	08.24	-06	46	42.9	18.57	oV	EX012T05	
K17S19E	C2020	12	03.37063701	46	07.46	-06	46	34.8	18.59	oV	EX012T05	
K17S19E	C2020	12	03.37842201	46	06.66	-06	46	26.6	18.70	oV	EX012T05	
K17S19E	C2020	12	03.38167201	46	06.29	-06	46	22.7	18.97	oV	EX012T05	
K17V12T	C2020	12	03.33608300	08	15.81	+43	01	29.6	18.00	oV	EX012T08	
K17V12T	C2020	12	03.34023100	08	12.57	+43	01	27.1	17.83	oV	EX012T08	
K17V12T	C2020	12	03.34670500	08	07.41	+43	01	23.3	18.08	oV	EX012T08	
K17V12T	C2020	12	03.36012900	07	56.80	+43	01	15.8	18.09	oV	EX012T08	
K18G05V	C2020	12	04.28742	00	16	39.574+30	19	30.60	20.4	iU	EX012F51	
K18G05V	C2020	12	04.29653	00	16	38.681+30	19	42.41	20.1	iU	EX012F51	
K18G05V	C2020	12	04.31476	00	16	36.874+30	20	06.52	20.3	iU	EX012F51	
K20M04X	KC2020	12	04.19402103	17	08.85	-32	45	15.3	21.24	GV	EX012I52	
K20M04X	KC2020	12	04.19906403	17	08.77	-32	45	00.6	20.83	GV	EX012I52	
K20M04X	KC2020	12	04.20158603	17	08.71	-32	44	53.3	21.04	GV	EX012I52	
K20O08C	C2020	12	03.40616802	46	01.17	-09	19	41.8	18.26	oV	EX012T05	
K20O08C	C2020	12	03.40985102	46	02.07	-09	19	35.6	17.98	oV	EX012T05	
K20O08C	C2020	12	03.41730202	46	03.96	-09	19	23.7	18.38	oV	EX012T05	
K20O08C	C2020	12	03.43018802	46	07.20	-09	19	01.8	18.39	oV	EX012T05	
K20Q03P	KC2020	12	04.33566303	02	02.92	+29	08	03.8	20.98	GV	EX012I52	
K20Q03P	KC2020	12	04.34948803	02	04.86	+29	07	56.3	21.23	GV	EX012I52	
K20Q03P	KC2020	12	04.36488003	02	07.03	+29	07	47.1	20.68	GV	EX012I52	
K20Q04M	C2020	12	03.36874	01	24	17.726+35	26	53.00	20.5	iU	EX012F51	
K20Q04M	C2020	12	03.37976	01	24	17.486+35	26	52.97	20.7	iU	EX012F51	
K20Q04M	C2020	12	03.40187	01	24	17.026+35	26	52.23	20.5	iU	EX012F51	
K20Q04M	C2020	12	03.41434	01	24	16.803+35	26	51.95	20.2	iU	EX012F51	
K20Q04M	C2020	12	03.42617	01	24	16.562+35	26	51.49	20.1	iU	EX012F51	
K20Q04M	C2020	12	03.43789	01	24	16.346+35	26	51.24	20.3	iU	EX012F51	
K20Q06U	C2020	12	03.14737523	12	45.62	+21	57	00.9	21.02	GV	EX012G96	
K20Q06U	C2020	12	03.15295223	12	46.28	+21	57	05.6	20.86	GV	EX012G96	
K20Q06U	C2020	12	03.15853023	12	46.85	+21	57	10.3	20.79	GV	EX012G96	
K20Q06U	C2020	12	03.16410523	12	47.49	+21	57	13.4	20.17	GV	EX012G96	
K20R11Q	C2020	12	03.18796723	50	49.91	+17	42	29.6	20.38	GV	EX012G96	
K20R11Q	C2020	12	03.19309223	50	50.10	+17	42	57.2	20.06	GV	EX012G96	
K20R11Q	C2020	12	03.19821623	50	50.32	+17	43	23.1	20.36	GV	EX012G96	

K20R11Q	C2020	12	03.20333323	50	50.58	+17	43	50.4	20.49GVEX012G96
K20S000	KC2020	12	04.05747823	36	56.31	-21	55	32.7	16.49GVEX012I52
K20S000	KC2020	12	04.05813323	36	56.44	-21	55	26.0	16.62GVEX012I52
K20S000	KC2020	12	04.05879123	36	56.60	-21	55	19.2	16.55GVEX012I52
K20S000	KC2020	12	04.05944523	36	56.71	-21	55	12.2	16.57GVEX012I52
K20S000	C2020	12	04.14531023	37	14.43	-21	37	47.9	16.71GVEX012703
K20S000	C2020	12	04.15056923	37	15.91	-21	36	35.5	16.95GVEX012703
K20S000	C2020	12	04.15583523	37	17.42	-21	35	22.8	16.79GVEX012703
K20S000	C2020	12	04.16109923	37	19.03	-21	34	08.8	16.79GVEX012703
K20S18K	KC2020	12	04.29484604	44	25.44	+22	53	16.7	20.30GVEX012I52
K20S18K	KC2020	12	04.29940604	44	25.09	+22	53	17.6	19.74GVEX012I52
K20S18K	KC2020	12	04.30396504	44	24.71	+22	53	18.5	19.92GVEX012I52
K20S18K	KC2020	12	04.30853404	44	24.34	+22	53	19.3	19.91GVEX012I52
K20T01Z	KC2020	12	04.14224100	48	48.43	+38	00	13.2	21.46GVEX012I52
K20T01Z	KC2020	12	04.14560400	48	48.80	+38	00	21.1	21.42GVEX012I52
K20T01Z	KC2020	12	04.15232800	48	49.71	+38	00	38.4	20.55GVEX012I52
K20T01Z	C2020	12	04.29004600	49	12.278	+38	06	41.71	20.79iUEX012F51
K20T01Z	C2020	12	04.29912700	49	13.458	+38	07	04.10	20.84iUEX012F51
K20T01Z	C2020	12	04.30823700	49	14.665	+38	07	26.49	21.03iUEX012F51
K20T01Z	C2020	12	04.31736200	49	15.892	+38	07	49.24	20.74iUEX012F51
K20T03G	C2020	12	03.53134405	48	15.433	-11	40	10.50	19.67iUEX012F52
K20T03G	C2020	12	03.54231305	48	19.530	-11	40	49.59	18.67iUEX012F52
K20T03G	C2020	12	03.55327405	48	23.573	-11	41	28.17	19.14iUEX012F52
K20T05H	KC2020	12	04.17585 00	26	33.99	-09	37	20.5	21.5 RoEX012691
K20T05H	KC2020	12	04.19381 00	26	33.45	-09	37	25.3	21.2 RoEX012691
K20T05H	KC2020	12	04.21177 00	26	32.82	-09	37	30.1	21.6 RoEX012691
K20T07E	KC2020	12	04.08765919	38	04.15	+55	19	09.6	21.83GVEX012I52
K20T07E	KC2020	12	04.09102219	38	00.74	+55	19	30.5	21.54GVEX012I52
K20T07E	KC2020	12	04.09438319	37	57.29	+55	19	44.9	21.59GVEX012I52
K20T07T	KC2020	12	04.38165005	37	18.42	-14	28	43.1	19.79GVEX012I52
K20T07T	KC2020	12	04.38567805	37	18.65	-14	28	43.9	19.91GVEX012I52
K20T07T	KC2020	12	04.38970705	37	18.93	-14	28	44.7	20.01GVEX012I52
K20T07T	KC2020	12	04.39372405	37	19.11	-14	28	45.7	20.02GVEX012I52
K20T10L	KC2020	12	04.13059622	54	30.14	+41	47	05.6	20.32GVEX012I52
K20T10L	KC2020	12	04.13185622	54	28.92	+41	47	13.6	20.88GVEX012I52
K20T10L	KC2020	12	04.13311922	54	27.69	+41	47	20.9	21.58GVEX012I52
K20T10L	KC2020	12	04.13438022	54	26.58	+41	47	28.7	20.96GVEX012I52
K20T12B	KC2020	12	04.24670 02	29	18.45	-24	34	21.0	20.2 RoEX012691
K20T12B	KC2020	12	04.26199 02	29	17.23	-24	34	30.0	oEX012691
K20T12B	KC2020	12	04.27717 02	29	15.95	-24	34	37.7	oEX012691
K20U00D	KC2020	12	04.17100 04	13	01.70	+20	01	02.3	20.6 RqEX012H36
K20U00D	KC2020	12	04.18458 04	13	02.58	+20	01	15.7	20.6 RqEX012H36
K20U00D	KC2020	12	04.21577 04	13	04.83	+20	01	47.2	20.8 RqEX012H36
K20U02N	KC2020	12	04.01916 02	20	36.57	+35	46	26.9	20.0 RqEX012H36
K20U02N	KC2020	12	04.02933 02	20	36.77	+35	47	02.3	19.9 RqEX012H36
K20U02N	KC2020	12	04.03952 02	20	36.91	+35	47	38.5	19.7 RqEX012H36
K20U02N	KC2020	12	04.04971 02	20	37.00	+35	48	14.4	20.0 RqEX012H36
K20U03Z	C2020	12	03.05122721	09	43.77	+26	48	22.1	20.25GVEX012G96
K20U03Z	C2020	12	03.05682221	09	41.01	+26	48	52.3	19.81GVEX012G96
K20U03Z	C2020	12	03.06244021	09	38.22	+26	49	22.9	19.99GVEX012G96
K20U03Z	C2020	12	03.06804821	09	35.40	+26	49	53.9	19.02GVEX012G96
K20U03Z	KC2020	12	04.11434321	01	14.68	+28	23	17.4	20.91GVEX012I52
K20U03Z	KC2020	12	04.11508221	01	14.28	+28	23	21.6	19.84GVEX012I52
K20U04E	KC2020	12	04.12424023	01	09.47	-00	01	17.8	21.80GVEX012I52
K20U04E	KC2020	12	04.12760223	01	07.57	-00	01	23.6	21.46GVEX012I52
K20V00T	KC2020	12	04.29630 04	28	39.32	-09	51	54.7	19.3 RoEX012691
K20V00T	KC2020	12	04.31552 04	28	50.89	-09	52	30.2	19.7 RoEX012691
K20V00T	KC2020	12	04.33485 04	29	02.52	-09	53	05.6	oEX012691
K20V01K	KC2020	12	04.06185 01	26	36.46	+28	36	35.3	19.8 RqEX012H36
K20V01K	KC2020	12	04.06990 01	26	33.38	+28	37	42.8	19.9 RqEX012H36
K20V01K	KC2020	12	04.07793 01	26	30.28	+28	38	49.1	19.9 RqEX012H36
K20V01K	KC2020	12	04.24519701	25	26.16	+29	01	48.6	20.29GVEX012I52
K20V01K	KC2020	12	04.24643301	25	25.68	+29	01	58.7	20.19GVEX012I52
K20V03N	C2020	12	03.57302 10	59	25.948	+53	35	21.84	20.3 iUEX012F51
K20V03N	C2020	12	03.59638 10	59	46.539	+53	34	52.25	20.2 iUEX012F51
K20V03N	C2020	12	03.60797 10	59	56.688	+53	34	37.23	20.0 iUEX012F51
K20V05X	KC2020	12	04.20447200	53	08.13	+28	04	39.3	21.45GVEX012I52
K20V05X	KC2020	12	04.20657500	53	08.83	+28	04	41.2	21.39GVEX012I52
K20V05X	KC2020	12	04.20867700	53	09.55	+28	04	43.2	20.75GVEX012I52
K20V05X	KC2020	12	04.21077800	53	10.26	+28	04	45.8	20.87GVEX012I52
K20V06Q	KC2020	12	04.29346704	59	52.72	+11	38	10.2	19.43GVEX012I52
K20V06Q	KC2020	12	04.29802904	59	52.38	+11	38	18.9	19.70GVEX012I52
K20V06Q	KC2020	12	04.30258704	59	52.06	+11	38	27.7	19.35GVEX012I52
K20V06Q	KC2020	12	04.30714904	59	51.73	+11	38	36.0	19.55GVEX012I52
K20W00G	KC2020	12	04.16349200	56	32.81	+32	09	45.4	19.73GVEX012I52
K20W00G	KC2020	12	04.16475300	56	33.36	+32	09	49.3	19.81GVEX012I52
K20W00G	KC2020	12	04.16601400	56	33.87	+32	09	53.5	19.95GVEX012I52
K20W00G	KC2020	12	04.16727500	56	34.46	+32	09	57.5	19.73GVEX012I52
K20W000	KC2020	12	04.07978119	23	12.98	+69	44	12.9	20.16GVEX012I52
K20W000	KC2020	12	04.08323819	22	54.72	+69	43	45.9	20.18GVEX012I52
K20W000	KC2020	12	04.08496419	22	45.68	+69	43	33.5	20.81GVEX012I52
K20W00V	KC2020	12	04.21429201	49	59.04	+47	13	10.9	21.65GVEX012I52
K20W00V	KC2020	12	04.22438201	49	51.51	+47	14	24.0	21.28GVEX012I52
K20W00Y	KC2020	12	04.26307 04	27	28.52	+03	53	32.8	21.7 RoEX012291
K20W00Y	KC2020	12	04.26947104	27	26.87	+03	53	40.7	20.64GVEX012I52
K20W00Y	KC2020	12	04.27157304	27	26.28	+03	53	44.8	20.58GVEX012I52
K20W00Y	KC2020	12	04.27367604	27	25.82	+03	53	48.5	20.12GVEX012I52
K20W00Y	KC2020	12	04.27385 04	27	25.88	+03	53	49.0	oEX012291
K20W00Y	KC2020	12	04.27577904	27	25.27	+03	53	50.9	21.04GVEX012I52
K20W00Y	KC2020	12	04.28465 04	27	23.25	+03	54	05.6	oEX012291
K20W01D	KC2020	12	04.25128003	38	53.12	-06	59	23.8	20.18GVEX012I52
K20W01D	KC2020	12	04.25380403	38	52.91	-06	59	24.1	20.22GVEX012I52
K20W01D	KC2020	12	04.25632603	38	52.71	-06	59	25.0	19.95GVEX012I52

K20W01D	KC2020	12	04.25884903	38	52.55	-06	59	24.9	VEX012I52	
K20W01K	KC2020	11	18.91605104	13	24.94	-03	57	59.8	19.3 GVEX012Z43	
K20W01K	KC2020	11	18.91756204	13	24.35	-03	56	39.0	19.2 GVEX012Z43	
K20W02B	KC2020	12	04.29215904	52	17.71	+13	25	25.5	20.85GVEX012I52	
K20W02B	KC2020	12	04.29672604	52	17.46	+13	25	27.4	20.61GVEX012I52	
K20W02B	KC2020	12	04.30128604	52	17.24	+13	25	27.8	20.23GVEX012I52	
K20W02B	KC2020	12	04.30584304	52	16.95	+13	25	29.1	20.50GVEX012I52	
K20W02E	KC2020	12	04.13703723	26	22.38	+40	21	42.6	20.09GVEX012I52	
K20W02E	KC2020	12	04.13829823	26	21.47	+40	21	50.8	20.14GVEX012I52	
K20W02F	KC2020	12	04.15535700	51	44.22	+23	20	38.6	20.68GVEX012I52	
K20W02F	KC2020	12	04.15746400	51	44.06	+23	20	53.2	21.04GVEX012I52	
K20W02F	KC2020	12	04.15956900	51	43.92	+23	21	07.8	20.49GVEX012I52	
K20W02F	KC2020	12	04.16167100	51	43.80	+23	21	22.6	20.39GVEX012I52	
K20W02U	KC2020	12	04.23242102	50	38.15	-05	43	52.1	21.64GVEX012I52	
K20W02U	KC2020	12	04.23578902	50	38.89	-05	43	42.1	20.72GVEX012I52	
K20W02U	KC2020	12	04.23915302	50	39.51	-05	43	29.7	21.36GVEX012I52	
K20W02Y	KC2020	12	04.17669402	38	53.23	-07	53	26.2	21.26GVEX012I52	
K20W02Y	KC2020	12	04.18005702	38	53.55	-07	53	15.1	21.19GVEX012I52	
K20W03B	KC2020	12	04.06341018	49	40.69	+62	35	36.0	20.32GVEX012I52	
K20W03B	KC2020	12	04.06519318	49	40.63	+62	35	42.0	20.03GVEX012I52	
K20W03B	KC2020	12	04.06697418	49	40.50	+62	35	48.3	20.23GVEX012I52	
K20W03C	KC2020	12	04.32593602	33	02.45	+25	00	39.2	19.62GVEX012I52	
K20W03C	KC2020	12	04.32719602	33	02.58	+25	00	31.9	19.80GVEX012I52	
K20W03C	KC2020	12	04.32845702	33	02.75	+25	00	23.9	20.02GVEX012I52	
K20W03E	KC2020	12	04.36745604	18	56.93	+05	51	13.9	19.83GVEX012I52	
K20W03E	KC2020	12	04.36869304	18	57.36	+05	51	00.1	20.23GVEX012I52	
K20W03E	KC2020	12	04.37116304	18	58.15	+05	50	30.8	20.36GVEX012I52	
K20W03F	KC2020	12	04.26377404	37	21.18	+28	26	20.8	21.79GVEX012I52	
K20W03F	KC2020	12	04.26629404	37	20.70	+28	26	08.7	20.64GVEX012I52	
K20W03F	KC2020	12	04.26755404	37	20.47	+28	26	01.2	20.18GVEX012I52	
K20W03K	.C2020	12	03.28233	04	43	54.87	+19	39	57.9	18.3 GVEX012F65
K20W03K	.C2020	12	03.28254	04	43	55.06	+19	39	54.8	18.3 GVEX012F65
K20W03K	.C2020	12	03.28295	04	43	55.38	+19	39	48.4	18.2 GVEX012F65
K20W03K	KC2020	12	04.26070904	58	38.65	+15	03	46.8	17.79GVEX012I52	
K20W03K	KC2020	12	04.26137304	58	39.23	+15	03	34.7	17.64GVEX012I52	
K20W03K	KC2020	12	04.26202804	58	39.79	+15	03	22.6	17.64GVEX012I52	
K20W03K	KC2020	12	04.26268204	58	40.35	+15	03	10.8	17.67GVEX012I52	
K20W03O	KC2020	12	04.22731902	29	12.34	-04	13	20.7	19.63GVEX012I52	
K20W03O	KC2020	12	04.22825902	29	11.74	-04	13	31.1	19.58GVEX012I52	
K20W03O	KC2020	12	04.22920102	29	11.28	-04	13	42.1	20.00GVEX012I52	
K20W03Z	KC2020	12	04.18094	04	27	32.74	+02	47	29.2	21.4 RoEX012291
K20W03Z	KC2020	12	04.20744	04	27	28.39	+02	46	29.0	21.9 RoEX012291
K20W03Z	KC2020	12	04.23395	04	27	24.01	+02	45	27.9	21.6 RoEX012291
K20W04E	KC2020	12	04.31090705	49	28.19	-21	26	22.7	20.33GVEX012I52	
K20W04E	KC2020	12	04.31300905	49	28.15	-21	26	45.1	20.42GVEX012I52	
K20W04E	KC2020	12	04.31511205	49	28.01	-21	27	08.0	20.84GVEX012I52	
K20W04E	KC2020	12	04.31721505	49	27.95	-21	27	29.2	20.11GVEX012I52	
K20W04P	KC2020	12	04.31942605	10	24.99	+62	36	10.7	19.18GVEX012I52	
K20W04P	KC2020	12	04.32082705	10	24.75	+62	36	07.4	19.58GVEX012I52	
K20W04P	KC2020	12	04.3222705	10	24.43	+62	36	04.5	19.53GVEX012I52	
K20W04P	KC2020	12	04.32362805	10	24.24	+62	36	02.1	19.16GVEX012I52	
K20W04T	KC2020	12	04.06187	01	57	41.83	+09	33	22.5	22.1 RoEX012291
K20W04T	KC2020	12	04.08365	01	57	31.62	+09	33	08.2	22.3 RoEX012291
K20W05A	.C2020	12	03.49623	05	07	49.84	+58	16	45.1	19.1 GVEX012F65
K20W05A	.C2020	12	03.49699	05	07	50.08	+58	16	46.6	19.1 GVEX012F65
K20W05A	.C2020	12	03.49850	05	07	50.53	+58	16	49.7	19.0 GVEX012F65
K20W05A	KC2020	12	04.32012705	12	48.01	+58	45	41.3	18.89GVEX012I52	
K20W05A	KC2020	12	04.32152805	12	48.46	+58	45	44.4	18.64GVEX012I52	
K20W05A	KC2020	12	04.32292705	12	48.92	+58	45	47.3	18.49GVEX012I52	
K20W05A	KC2020	12	04.32433205	12	49.37	+58	45	50.4	18.57GVEX012I52	
K20W05G	KC2020	12	04.15224	05	33	58.36	+24	08	35.2	21.1 RoEX012291
K20W05G	KC2020	12	04.16329	05	33	58.22	+24	09	04.6	20.6 RoEX012291
K20W05L	KC2020	12	04.06986023	53	56.08	+47	47	33.3	20.58GVEX012I52	
K20W05L	KC2020	12	04.07223623	53	57.01	+47	47	39.3	20.64GVEX012I52	
K20W05S	KC2020	12	04.40963005	47	55.28	-14	21	38.6	19.48GVEX012I52	
K20W05S	KC2020	12	04.41088905	47	55.08	-14	21	31.5	19.52GVEX012I52	
K20W05S	KC2020	12	04.41215105	47	54.91	-14	21	23.4	19.53GVEX012I52	
K20W05S	KC2020	12	04.41341305	47	54.69	-14	21	16.7	19.54GVEX012I52	
01036	C2020	12	03.56052807	17	30.26	-13	37	36.4	12.68oVEX012T05	
01036	C2020	12	03.56098607	17	30.24	-13	37	36.8	12.67oVEX012T05	
01036	C2020	12	03.56376307	17	30.08	-13	37	38.5	12.67oVEX012T05	
01036	C2020	12	03.56421907	17	30.06	-13	37	38.9	12.69oVEX012T05	
01036	C2020	12	03.59913807	17	28.12	-13	38	01.5	12.73oVEX012T05	
01036	C2020	12	03.59959407	17	28.10	-13	38	01.8	12.74oVEX012T05	
01036	C2020	12	03.62755007	17	26.55	-13	38	19.8	12.79oVEX012T05	
01036	C2020	12	03.62800707	17	26.52	-13	38	20.2	12.76oVEX012T05	
01580	C2020	12	03.45894804	11	30.59	+33	26	57.7	18.63oVEX012T08	
01580	C2020	12	03.46217904	11	30.27	+33	26	59.4	18.15oVEX012T08	
01580	C2020	12	03.46870504	11	29.46	+33	27	01.4	18.48oVEX012T08	
01580	C2020	12	03.47884104	11	28.30	+33	27	04.3	18.66oVEX012T08	
01685	C2020	12	03.63556412	15	47.93	-08	33	07.7	16.82oVEX012T05	
01685	C2020	12	03.64067112	15	48.54	-08	33	14.0	16.74oVEX012T05	
01685	C2020	12	03.65598012	15	50.32	-08	33	33.8	17.06oVEX012T05	
01685	C2020	12	03.66148512	15	50.96	-08	33	40.9	17.03oVEX012T05	
01865	C2020	12	04.21649	21	12	30.997	-06	05	17.66	19.9 wUEX012F51
01865	C2020	12	04.22105	21	12	31.598	-06	05	17.06	19.9 wUEX012F51
01865	C2020	12	04.22559	21	12	32.194	-06	05	16.53	19.7 wUEX012F51
01865	C2020	12	04.23013	21	12	32.784	-06	05	15.85	19.7 wUEX012F51
01943	C2020	12	03.61219011	31	26.03	-06	33	21.5	18.39oVEX012T05	
01943	C2020	12	03.61539811	31	26.61	-06	33	26.4	18.09oVEX012T05	
01943	C2020	12	03.62325511	31	27.92	-06	33	37.4	18.23oVEX012T05	
01943	C2020	12	03.64895611	31	32.28	-06	34	15.8	18.02oVEX012T05	
01981	C2020	12	03.06041921	18	45.57	-05	25	50.2	18.06GVEX012703	

01981	C2020	12	03.06623821	18	46.69	-05	25	36.5	18.03GVEX012703	
01981	C2020	12	03.07205821	18	47.78	-05	25	23.0	VEX012703	
01981	C2020	12	03.07787921	18	48.90	-05	25	10.1	18.22GVEX012703	
01981	C2020	12	03.24097121	19	20.34	-05	18	50.7	17.60oVEX012T05	
01981	C2020	12	03.24691721	19	21.48	-05	18	36.6	17.64oVEX012T05	
01981	C2020	12	03.26022921	19	24.00	-05	18	06.3	17.35oVEX012T05	
02212	C2020	12	03.25359702	00	50.93	+16	52	39.9	19.37GVEX012703	
02212	C2020	12	03.25882702	00	50.67	+16	52	39.2	19.32GVEX012703	
02212	C2020	12	03.26405902	00	50.46	+16	52	37.0	18.87GVEX012703	
02212	C2020	12	03.26929602	00	50.23	+16	52	35.6	19.78GVEX012703	
03908	C2020	12	03.10441622	22	29.28	-07	04	32.0	18.12GVEX012703	
03908	C2020	12	03.11008022	22	30.89	-07	04	23.8	19.26GVEX012703	
03908	C2020	12	03.11574322	22	32.53	-07	04	15.7	18.73GVEX012703	
03908	C2020	12	03.12140922	22	34.19	-07	04	06.9	18.47GVEX012703	
03908	C2020	12	03.25562922	23	13.33	-07	00	47.9	17.93oVEX012T05	
03908	C2020	12	03.25929522	23	14.38	-07	00	42.6	17.96oVEX012T05	
03908	C2020	12	03.27864122	23	19.94	-07	00	13.7	17.97oVEX012T05	
04055	KC2020	12	03.48235	03	00	43.39	-28	07	43.3	16.4 RqEX012E89
04055	KC2020	12	03.49218	03	00	43.09	-28	07	35.4	16.5 RqEX012E89
04055	KC2020	12	03.49949	03	00	42.85	-28	07	29.6	16.6 RqEX012E89
04055	KC2020	12	03.50653	03	00	42.58	-28	07	24.0	16.6 RqEX012E89
04503	C2020	12	03.33697001	08	48.28	+07	14	18.6	17.52oVEX012T05	
04503	C2020	12	03.34027201	08	48.19	+07	14	18.9	17.80oVEX012T05	
04503	C2020	12	03.34624101	08	48.08	+07	14	18.8	17.60oVEX012T05	
04503	C2020	12	03.36006101	08	47.82	+07	14	19.4	17.87oVEX012T05	
05587	C2020	12	03.44081903	37	20.85	-01	06	30.0	18.53oVEX012T05	
05587	C2020	12	03.44403303	37	20.63	-01	06	30.3	18.49oVEX012T05	
05587	C2020	12	03.45696103	37	19.87	-01	06	32.0	18.20oVEX012T05	
05587	C2020	12	03.46339603	37	19.51	-01	06	33.3	18.05oVEX012T05	
05645	KC2020	09	04.10523703	05	31.32	-19	58	46.6	18.0 GVEX012C95	
05645	KC2020	09	04.11032103	05	32.27	-19	58	47.5	17.7 GVEX012C95	
08567	C2020	12	03.52954309	04	03.14	+05	06	39.1	18.09oVEX012T05	
08567	C2020	12	03.53460309	04	03.10	+05	06	39.0	18.12oVEX012T05	
08567	C2020	12	03.53690309	04	03.08	+05	06	38.4	18.11oVEX012T05	
08567	C2020	12	03.54789909	04	03.00	+05	06	36.5	18.54oVEX012T05	
09172	C2020	12	03.10311522	09	29.78	+00	18	28.0	19.24GVEX012703	
09172	C2020	12	03.12011022	09	33.74	+00	18	48.0	18.91GVEX012703	
10115	C2020	12	03.28695	01	14	42.115+32	47	11.01	18.6 iUEX012F52	
10115	C2020	12	03.30953	01	14	40.918+32	46	58.94	18.3 iUEX012F52	
10115	C2020	12	03.32091	01	14	40.320+32	46	52.71	18.3 iUEX012F52	
10115	C2020	12	03.36809	01	14	37.856+32	46	27.05	18.4 iUEX012F51	
10115	C2020	12	03.37912	01	14	37.286+32	46	20.97	18.5 iUEX012F51	
10115	C2020	12	03.37925001	14	37.30	+32	46	20.8	18.59oVEX012T08	
10115	C2020	12	03.38340001	14	37.06	+32	46	19.1	18.61oVEX012T08	
10115	C2020	12	03.38988901	14	36.73	+32	46	15.1	18.68oVEX012T08	
10115	C2020	12	03.39014	01	14	36.722+32	46	14.85	18.6 iUEX012F51	
10115	C2020	12	03.40009401	14	36.21	+32	46	09.6	18.81oVEX012T08	
12538	KC2020	12	03.60865	07	04	50.68	-23	51	47.9	16.1 RqEX012E89
12538	KC2020	12	03.61171	07	04	50.68	-23	51	59.4	16.4 RqEX012E89
12538	KC2020	12	03.61433	07	04	50.68	-23	52	08.2	16.1 RqEX012E89
12538	KC2020	12	03.61708	07	04	50.70	-23	52	18.3	16.8 RqEX012E89
16834	C2020	12	03.43440	02	40	28.437+27	35	43.76	17.8 iUEX012F52	
16834	C2020	12	03.44460	02	40	27.606+27	35	33.86	18.1 iUEX012F52	
16834	C2020	12	03.45478	02	40	26.801+27	35	24.34	17.9 iUEX012F52	
16834	C2020	12	03.46497	02	40	25.995+27	35	14.44	18.1 iUEX012F52	
19764	C2020	12	03.18769400	12	18.82	+03	18	08.2	18.37GVEX012703	
19764	C2020	12	03.19291800	12	19.14	+03	18	10.1	18.94GVEX012703	
19764	C2020	12	03.19814300	12	19.53	+03	18	12.2	18.91GVEX012703	
19764	C2020	12	03.20336300	12	19.86	+03	18	14.4	19.02GVEX012703	
19764	C2020	12	03.31670000	12	26.73	+03	18	51.3	18.10oVEX012T05	
19764	C2020	12	03.32085300	12	27.01	+03	18	52.9	18.85oVEX012T05	
19764	C2020	12	03.33189000	12	27.67	+03	18	56.5	18.80oVEX012T05	
19764	C2020	12	03.33742700	12	27.94	+03	18	58.2	18.73oVEX012T05	
30825	C2020	12	03.24142821	45	27.09	-08	59	04.2	18.33oVEX012T05	
30825	C2020	12	03.24463021	45	27.52	-08	59	02.5	18.34oVEX012T05	
30825	C2020	12	03.24554521	45	27.62	-08	59	01.9	18.78oVEX012T05	
30825	C2020	12	03.25151021	45	28.46	-08	58	59.6	18.40oVEX012T05	
30825	C2020	12	03.26161421	45	29.77	-08	58	54.6	18.65oVEX012T05	
36284	C2020	12	03.24654020	13	42.11	+68	17	45.1	17.86oVEX012T08	
36284	C2020	12	03.25206820	13	43.66	+68	17	43.2	17.75oVEX012T08	
36284	C2020	12	03.25484420	13	44.43	+68	17	42.5	17.82oVEX012T08	
36284	C2020	12	03.26684220	13	47.71	+68	17	38.7	17.82oVEX012T08	
54401	C2020	12	04.20969	21	20	34.835+01	24	28.60	20.2 wUEX012F52	
54401	C2020	12	04.22115	21	20	37.130+01	24	32.31	20.2 wUEX012F52	
54401	C2020	12	04.23261	21	20	39.425+01	24	35.94	20.1 wUEX012F52	
54401	C2020	12	04.24407	21	20	41.710+01	24	39.56	20.1 wUEX012F52	
65717	C2020	12	03.38027102	34	16.32	-17	23	48.8	17.06oVEX012T05	
65717	C2020	12	03.38352102	34	16.39	-17	23	56.0	17.14oVEX012T05	
65717	C2020	12	03.38995702	34	16.48	-17	24	10.2	16.99oVEX012T05	
65717	C2020	12	03.40295602	34	16.70	-17	24	39.1	17.11oVEX012T05	
65717	KC2020	12	03.52171	02	34	22.26	-17	27	35.6	17.2 RqEX012E89
65717	KC2020	12	03.52878	02	34	22.49	-17	27	51.4	17.0 RqEX012E89
65717	KC2020	12	03.53595	02	34	22.72	-17	28	06.5	17.2 RqEX012E89
65717	KC2020	12	03.54296	02	34	22.94	-17	28	22.5	16.9 RqEX012E89
66251	C2020	12	04.21387	21	04	50.133-13	29	42.27	19.8 wUEX012F51	
66251	C2020	12	04.21845	21	04	51.131-13	29	40.24	19.9 wUEX012F51	
66251	C2020	12	04.22300	21	04	52.109-13	29	38.30	19.9 wUEX012F51	
66251	C2020	12	04.22754	21	04	53.101-13	29	36.30	20.0 wUEX012F51	
66272	C2020	12	03.45894804	00	20.91	+34	24	37.7	16.55oVEX012T08	
66272	C2020	12	03.46217904	00	19.54	+34	24	53.5	16.46oVEX012T08	
66272	C2020	12	03.47884104	00	12.44	+34	26	13.2	16.58oVEX012T08	
68359	C2020	12	03.27475402	18	39.11	-05	32	53.4	19.04GVEX012703	
68359	C2020	12	03.27999302	18	38.74	-05	32	47.0	18.53GVEX012703	

68359	C2020	12	03.29048102	18	38.19	-05	32	37.9	17.76GVEX012703	
68359	C2020	12	03.37981302	18	33.74	-05	31	05.3	18.24oVEX012T05	
68359	C2020	12	03.38306302	18	33.57	-05	31	01.8	18.22oVEX012T05	
68359	C2020	12	03.38949802	18	33.17	-05	30	55.4	18.04oVEX012T05	
68359	C2020	12	03.39973902	18	32.64	-05	30	44.9	18.10oVEX012T05	
85804	C2020	12	03.10154522	09	42.32	+22	28	10.7	20.02GVEX012G96	
85804	C2020	12	03.10717922	09	42.70	+22	28	08.4	VEX012G96	
85804	C2020	12	03.11848022	09	43.48	+22	28	06.0	20.01GVEX012G96	
86039	C2020	12	03.21253720	27	50.17	-14	24	06.9	17.46oVEX012T05	
86039	C2020	12	03.21666520	27	50.83	-14	24	03.8	17.39oVEX012T05	
86039	C2020	12	03.22309320	27	51.87	-14	23	58.6	17.38oVEX012T05	
86039	C2020	12	03.23639520	27	54.02	-14	23	47.6	17.45oVEX012T05	
D7032	C2020	12	03.10532022	18	24.83	+05	32	20.2	18.79GVEX012703	
D7032	C2020	12	03.11098622	18	25.87	+05	32	26.8	19.84GVEX012703	
D7032	C2020	12	03.11664922	18	26.75	+05	32	32.8	19.35GVEX012703	
D8852	C2020	12	03.24742401	14	05.87	+09	33	09.1	18.76GVEX012703	
D8852	C2020	12	03.33697001	14	03.36	+09	39	39.2	18.87oVEX012T05	
D8852	C2020	12	03.34027201	14	03.20	+09	39	53.5	18.66oVEX012T05	
D8852	C2020	12	03.34624101	14	02.89	+09	40	19.3	18.32oVEX012T05	
D8852	C2020	12	03.36006101	14	02.32	+09	41	17.6	18.92oVEX012T05	
E4411	C2020	12	03.31148602	06	39.77	+27	34	18.1	18.09GVEX012G96	
E4411	C2020	12	03.31662102	06	39.65	+27	34	13.9	18.03GVEX012G96	
E4411	C2020	12	03.32176602	06	39.57	+27	34	09.2	18.02GVEX012G96	
E4411	C2020	12	03.32692002	06	39.48	+27	34	05.2	18.01GVEX012G96	
F2978	C2020	12	03.42994	02	21	57.993+26	37	11.00	18.4 iUEX012F52	
F2978	C2020	12	03.44014	02	21	56.182+26	37	33.85	18.3 iUEX012F52	
F2978	C2020	12	03.45033	02	21	54.368+26	37	56.89	18.4 iUEX012F52	
F3249	C2020	12	03.29966923	17	50.634+59	34	51.10	20.22iUEX012F51		
F3249	C2020	12	03.31136223	17	51.007+59	34	40.85	20.21iUEX012F51		
F3249	C2020	12	03.32330323	17	51.411+59	34	30.14	20.11iUEX012F51		
F4330	C2020	12	03.41581902	43	37.70	+37	27	35.0	17.98oVEX012T08	
F4330	C2020	12	03.41904202	43	37.19	+37	27	32.6	17.78oVEX012T08	
F4330	C2020	12	03.42606302	43	36.01	+37	27	27.2	18.09oVEX012T08	
F4330	C2020	12	03.43810802	43	34.09	+37	27	18.2	18.11oVEX012T08	
F5140	C2020	12	03.37067901	28	03.836+35	01	44.72	21.03iUEX012F51		
F5140	C2020	12	03.39273101	28	01.479+35	01	25.78	20.69iUEX012F51		
F5140	C2020	12	03.40380401	28	00.323+35	01	16.31	20.44iUEX012F51		
F5140	C2020	12	03.41563101	27	59.061+35	01	06.15	20.62iUEX012F51		
F5140	C2020	12	03.42745801	27	57.820+35	00	55.99	20.68iUEX012F51		
F5140	C2020	12	03.43917801	27	56.585+35	00	45.82	20.81iUEX012F51		
F9402	C2020	12	03.56675009	53	47.70	+61	12	20.8	14.96oVEX012T08	
F9402	C2020	12	03.58259909	53	45.17	+61	11	55.2	15.05oVEX012T08	
F9402	C2020	12	03.58812509	53	44.30	+61	11	46.5	15.07oVEX012T08	
F9402	C2020	12	03.59414209	53	43.29	+61	11	36.5	15.12oVEX012T08	
F9402	1C2020	12	03.90863	09	53	05.76	+61	02	12.0	15.2 GVEX012C40
F9402	1C2020	12	03.91017	09	53	05.56	+61	02	09.5	15.2 GVEX012C40
F9402	1C2020	12	03.91101	09	53	05.45	+61	02	08.3	15.2 GVEX012C40
F9402	1C2020	12	03.91194	09	53	05.31	+61	02	06.9	15.3 GVEX012C40
F9402	1C2020	12	03.91288	09	53	05.20	+61	02	05.3	15.4 GVEX012C40
F9402	1C2020	12	03.91383	09	53	05.06	+61	02	04.0	15.4 GVEX012C40
F9402	1C2020	12	03.91477	09	53	04.94	+61	02	02.6	15.6 GVEX012C40
F9402	1C2020	12	03.91571	09	53	04.78	+61	02	01.2	15.4 GVEX012C40
F9402	1C2020	12	03.91664	09	53	04.67	+61	01	59.8	15.3 GVEX012C40
F9402	1C2020	12	03.91946	09	53	04.28	+61	01	55.5	15.4 GVEX012C40
F9402	1C2020	12	03.92039	09	53	04.13	+61	01	54.1	15.5 GVEX012C40
F9402	1C2020	12	03.92134	09	53	04.01	+61	01	52.6	15.3 GVEX012C40
F9402	1C2020	12	03.92228	09	53	03.90	+61	01	51.0	15.3 GVEX012C40
F9402	1C2020	12	03.92322	09	53	03.74	+61	01	49.7	15.4 GVEX012C40
F9402	1C2020	12	03.92416	09	53	03.61	+61	01	48.1	15.4 GVEX012C40
F9402	1C2020	12	03.92509	09	53	03.48	+61	01	46.9	15.4 GVEX012C40
F9402	1C2020	12	03.92603	09	53	03.35	+61	01	45.3	15.4 GVEX012C40
F9402	1C2020	12	03.92885	09	53	02.95	+61	01	41.0	15.4 GVEX012C40
F9402	1C2020	12	03.92979	09	53	02.84	+61	01	39.7	15.4 GVEX012C40
F9402	1C2020	12	03.93073	09	53	02.70	+61	01	38.3	15.4 GVEX012C40
F9402	1C2020	12	03.93260	09	53	02.44	+61	01	35.3	15.3 GVEX012C40
F9402	1C2020	12	03.93354	09	53	02.32	+61	01	33.8	15.2 GVEX012C40
F9402	1C2020	12	03.93449	09	53	02.17	+61	01	32.4	15.4 GVEX012C40
F9402	1C2020	12	03.93543	09	53	02.05	+61	01	30.9	15.4 GVEX012C40
F9402	1C2020	12	03.93637	09	53	01.90	+61	01	29.5	15.3 GVEX012C40
F9402	1C2020	12	03.93730	09	53	01.80	+61	01	28.1	15.3 GVEX012C40
F9402	1C2020	12	03.93824	09	53	01.65	+61	01	26.7	15.4 GVEX012C40
F9402	1C2020	12	03.93918	09	53	01.52	+61	01	25.2	15.3 GVEX012C40
F9402	1C2020	12	03.94012	09	53	01.40	+61	01	23.6	15.3 GVEX012C40
F9402	1C2020	12	03.94105	09	53	01.26	+61	01	22.3	15.3 GVEX012C40
F9402	1C2020	12	03.94221	09	53	01.08	+61	01	20.5	15.3 GVEX012C40
F9402	1C2020	12	03.94315	09	53	00.95	+61	01	19.1	15.3 GVEX012C40
F9402	1C2020	12	03.94410	09	53	00.82	+61	01	17.7	15.4 GVEX012C40
F9402	1C2020	12	03.94503	09	53	00.70	+61	01	16.2	15.5 GVEX012C40
F9402	1C2020	12	03.94597	09	53	00.57	+61	01	14.8	15.4 GVEX012C40
F9402	1C2020	12	03.94691	09	53	00.43	+61	01	13.3	15.3 GVEX012C40
F9402	1C2020	12	03.94785	09	53	00.30	+61	01	11.8	15.4 GVEX012C40
F9402	1C2020	12	03.94878	09	53	00.16	+61	01	10.3	15.4 GVEX012C40
F9402	1C2020	12	03.94973	09	53	00.03	+61	01	09.0	15.3 GVEX012C40
F9402	1C2020	12	03.95067	09	52	59.88	+61	01	07.5	15.2 GVEX012C40
F9402	1C2020	12	03.95161	09	52	59.76	+61	01	06.0	15.3 GVEX012C40
F9402	1C2020	12	03.95255	09	52	59.62	+61	01	04.6	15.3 GVEX012C40
F9402	1C2020	12	03.95348	09	52	59.49	+61	01	03.1	15.3 GVEX012C40
F9402	1C2020	12	03.95442	09	52	59.34	+61	01	01.6	15.3 GVEX012C40
F9402	1C2020	12	03.95536	09	52	59.23	+61	01	00.3	15.2 GVEX012C40
F9402	1C2020	12	03.95631	09	52	59.09	+61	00	58.8	15.3 GVEX012C40
F9402	1C2020	12	03.95725	09	52	58.94	+61	00	57.4	15.3 GVEX012C40
F9402	1C2020	12	03.95818	09	52	58.81	+61	00	55.9	15.3 GVEX012C40
F9402	1C2020	12	03.95912	09	52	58.67	+61	00	54.4	15.2 GVEX012C40



F9402	1C2020	12	03.96006	09	52	58.54	+61	00	52.9	15.2	GVEX012C40
F9402	1C2020	12	03.96100	09	52	58.41	+61	00	51.6	15.3	GVEX012C40
F9402	1C2020	12	03.96193	09	52	58.27	+61	00	49.9	15.2	GVEX012C40
F9402	1C2020	12	03.96288	09	52	58.12	+61	00	48.6	15.1	GVEX012C40
F9402	1C2020	12	03.96382	09	52	58.00	+61	00	47.1	15.2	GVEX012C40
F9402	1C2020	12	03.96476	09	52	57.86	+61	00	45.8	15.2	GVEX012C40
F9402	1C2020	12	03.96569	09	52	57.72	+61	00	44.2	15.1	GVEX012C40
F9402	1C2020	12	03.96663	09	52	57.59	+61	00	42.8	15.3	GVEX012C40
F9402	1C2020	12	03.96757	09	52	57.47	+61	00	41.2	15.2	GVEX012C40
F9402	1C2020	12	03.96851	09	52	57.32	+61	00	39.8	15.2	GVEX012C40
F9402	1C2020	12	03.96946	09	52	57.20	+61	00	38.3	15.1	GVEX012C40
F9402	1C2020	12	03.97039	09	52	57.05	+61	00	36.9	15.1	GVEX012C40
F9402	1C2020	12	03.97133	09	52	56.91	+61	00	35.4	15.1	GVEX012C40
F9402	1C2020	12	03.97227	09	52	56.77	+61	00	34.0	15.2	GVEX012C40
F9402	1C2020	12	03.97321	09	52	56.64	+61	00	32.6	15.2	GVEX012C40
F9402	1C2020	12	03.97414	09	52	56.49	+61	00	30.9	15.2	GVEX012C40
F9402	1C2020	12	03.97508	09	52	56.38	+61	00	29.6	15.2	GVEX012C40
F9402	1C2020	12	03.97603	09	52	56.22	+61	00	28.2	15.1	GVEX012C40
F9402	1C2020	12	03.97697	09	52	56.09	+61	00	26.7	15.2	GVEX012C40
F9402	1C2020	12	03.97791	09	52	55.95	+61	00	25.2	15.2	GVEX012C40
F9402	1C2020	12	03.97884	09	52	55.81	+61	00	23.7	15.2	GVEX012C40
F9402	1C2020	12	03.98072	09	52	55.54	+61	00	20.8	15.1	GVEX012C40
F9402	1C2020	12	03.98166	09	52	55.40	+61	00	19.4	15.1	GVEX012C40
F9402	1C2020	12	03.98260	09	52	55.27	+61	00	17.9	15.1	GVEX012C40
F9402	1C2020	12	03.98354	09	52	55.14	+61	00	16.3	15.1	GVEX012C40
F9402	1C2020	12	03.98448	09	52	54.98	+61	00	14.9	15.1	GVEX012C40
F9402	1C2020	12	03.98542	09	52	54.86	+61	00	13.4	15.1	GVEX012C40
F9402	1C2020	12	03.98635	09	52	54.72	+61	00	12.0	14.9	GVEX012C40
F9402	1C2020	12	03.98729	09	52	54.59	+61	00	10.5	15.0	GVEX012C40
F9402	1C2020	12	03.98823	09	52	54.43	+61	00	09.0	15.0	GVEX012C40
F9402	1C2020	12	03.99051	09	52	54.11	+61	00	05.5	15.2	GVEX012C40
F9402	1C2020	12	03.99145	09	52	53.96	+61	00	04.0	15.1	GVEX012C40
F9402	1C2020	12	03.99238	09	52	53.82	+61	00	02.3	15.2	GVEX012C40
F9402	1C2020	12	03.99332	09	52	53.69	+61	00	01.0	15.1	GVEX012C40
F9402	1C2020	12	03.99426	09	52	53.55	+60	59	59.5	15.1	GVEX012C40
F9402	1C2020	12	03.99521	09	52	53.39	+60	59	58.1	15.1	GVEX012C40
F9402	1C2020	12	03.99615	09	52	53.27	+60	59	56.6	15.1	GVEX012C40
F9402	1C2020	12	03.99708	09	52	53.12	+60	59	55.0	15.2	GVEX012C40
F9402	1C2020	12	03.99802	09	52	52.99	+60	59	53.6	15.2	GVEX012C40
F9402	1C2020	12	03.99896	09	52	52.83	+60	59	52.1	15.2	GVEX012C40
F9402	1C2020	12	03.99990	09	52	52.71	+60	59	50.7	15.2	GVEX012C40
F9402	1C2020	12	04.00083	09	52	52.56	+60	59	49.1	15.1	GVEX012C40
F9402	1C2020	12	04.00177	09	52	52.42	+60	59	47.6	15.2	GVEX012C40
F9402	1C2020	12	04.00272	09	52	52.30	+60	59	46.2	15.2	GVEX012C40
F9402	1C2020	12	04.00366	09	52	52.14	+60	59	44.7	15.1	GVEX012C40
F9402	1C2020	12	04.00459	09	52	52.01	+60	59	43.2	15.2	GVEX012C40
F9402	1C2020	12	04.00553	09	52	51.86	+60	59	41.8	15.0	GVEX012C40
F9402	1C2020	12	04.00647	09	52	51.73	+60	59	40.2	15.0	GVEX012C40
F9402	1C2020	12	04.00741	09	52	51.59	+60	59	38.7	15.0	GVEX012C40
F9402	1C2020	12	04.00834	09	52	51.45	+60	59	37.2	15.0	GVEX012C40
F9402	1C2020	12	04.00929	09	52	51.32	+60	59	35.8	15.1	GVEX012C40
F9402	1C2020	12	04.01211	09	52	50.89	+60	59	31.3	15.1	GVEX012C40
F9402	1C2020	12	04.01304	09	52	50.74	+60	59	29.8	15.1	GVEX012C40
G2173	C2020	12	03.14659522	54	56.89	-00	00	16.7	16.88	GVEX012703	
G2173	C2020	12	03.15185122	54	57.33	-00	00	39.2	17.16	GVEX012703	
G2173	C2020	12	03.15711122	54	57.66	-00	01	01.3	17.12	GVEX012703	
G2173	C2020	12	03.16236722	54	58.03	-00	01	24.0	17.20	GVEX012703	
G2173	C2020	12	03.28504922	55	10.28	-00	09	48.5	17.01	oVEX012T05	
G2173	C2020	12	03.28872822	55	10.54	-00	10	04.3	17.05	oVEX012T05	
G2173	C2020	12	03.29560122	55	11.00	-00	10	33.5	17.18	oVEX012T05	
G2173	C2020	12	03.30660422	55	11.79	-00	11	20.8	17.04	oVEX012T05	
G3014	C2020	12	03.26760722	47	33.09	-13	34	24.8	18.84	oVEX012T05	
G3014	C2020	12	03.27220522	47	33.47	-13	34	16.1	18.24	oVEX012T05	
G3014	C2020	12	03.28001322	47	34.19	-13	33	59.5	18.24	oVEX012T05	
G3014	C2020	12	03.29514422	47	35.57	-13	33	28.4	18.29	oVEX012T05	
G3364	C2020	12	03.31240102	39	04.70	+19	40	58.2	18.88	GVEX012703	
G3902	C2020	12	03.50433104	52	39.83	+57	46	58.4	16.01	oVEX012T08	
G3902	C2020	12	03.50802004	52	39.63	+57	46	51.0	15.95	oVEX012T08	
G3902	C2020	12	03.51354704	52	39.35	+57	46	39.9	16.01	oVEX012T08	
G3902	C2020	12	03.52554104	52	38.79	+57	46	15.3	16.11	oVEX012T08	
G4207	C2020	12	03.56655	11	24	50.637+46	48	47.50	20.5	iUEX012F51	
G4207	C2020	12	03.57817	11	24	52.919+46	49	08.59	20.5	iUEX012F51	
G4207	C2020	12	03.58993	11	24	55.232+46	49	29.48	20.4	iUEX012F51	
I5716	KC2020	12	03.55709	04	41	33.84	-40	43	52.2	18.1	RqEX012E89
I5716	KC2020	12	03.57107	04	41	32.82	-40	44	33.3	18.0	RqEX012E89
J4126	C2020	12	03.27091001	24	52.21	+25	04	59.6	20.11	GVEX012G96	
J4126	C2020	12	03.27602801	24	51.79	+25	05	01.2	20.09	GVEX012G96	
J4126	C2020	12	03.28115101	24	51.42	+25	05	02.1		VEX012G96	
J4126	C2020	12	03.28626501	24	51.02	+25	05	02.9	19.52	GVEX012G96	
P0458	C2020	12	04.20714	21	04	11.574+06	35	39.16	20.1	wUEX012F52	
P0458	C2020	12	04.21861	21	04	13.366+06	35	53.77	20.2	wUEX012F52	
P0458	C2020	12	04.23007	21	04	15.139+06	36	08.47	20.2	wUEX012F52	
P0458	C2020	12	04.24153	21	04	16.926+06	36	23.18	20.3	wUEX012F52	
c0359	C2020	12	03.54141110	23	53.15	+59	06	05.8	18.58	oVEX012T08	
c0359	C2020	12	03.54555910	23	54.34	+59	06	06.7	18.39	oVEX012T08	
c0359	C2020	12	03.55108610	23	56.24	+59	06	08.4	18.45	oVEX012T08	
c0359	C2020	12	03.56121910	23	59.51	+59	06	12.5	18.32	oVEX012T08	
c0929	C2020	12	03.36809	01	15	52.264+30	49	19.01	19.2	iUEX012F51	
c0929	C2020	12	03.37912	01	15	52.316+30	49	32.87	19.2	iUEX012F51	
c0929	C2020	12	03.40122	01	15	52.438+30	50	00.51	19.3	iUEX012F51	
c0929	C2020	12	03.41305	01	15	52.514+30	50	15.30	19.3	iUEX012F51	
c0929	C2020	12	03.42487	01	15	52.591+30	50	30.02	19.2	iUEX012F51	
j5193	C2020	12	03.56912	11	37	04.375+50	13	30.91	20.2	iUEX012F51	

j5193	C2020	12	03.58075	11	37	04.327+50	13	26.71	20.1	iUEX012F51
j5193	C2020	12	03.59252	11	37	04.270+50	13	22.55	20.2	iUEX012F51
j5193	C2020	12	03.60410	11	37	04.242+50	13	18.73	20.4	iUEX012F51
14554	C2020	12	03.12469622	40	33.32	+06 34	55.7		18.17	GVEX012703
14554	C2020	12	03.13002722	40	35.27	+06 35	02.5		18.71	GVEX012703
14554	C2020	12	03.13536322	40	37.13	+06 35	09.0		18.73	GVEX012703
14554	C2020	12	03.14069822	40	39.04	+06 35	16.3		18.82	GVEX012703
14554	C2020	12	03.27083322	41	25.77	+06 38	14.0		18.35	oVEX012T05
14554	C2020	12	03.27498022	41	27.22	+06 38	19.9		18.68	oVEX012T05
14554	C2020	12	03.28184722	41	29.67	+06 38	28.9		18.67	oVEX012T05
14554	C2020	12	03.29422722	41	34.06	+06 38	45.7		18.32	oVEX012T05
m2505	C2020	12	03.51400706	28	12.48	+63 40	04.7		16.56	oVEX012T08
m2505	C2020	12	03.51723606	28	13.48	+63 40	39.8		16.68	oVEX012T08
m2505	C2020	12	03.52416006	28	15.68	+63 41	55.2		16.67	oVEX012T08
m2505	C2020	12	03.53429906	28	18.92	+63 43	45.0		16.47	oVEX012T08
o3960	C2020	12	04.20842	21	26	57.761+05	06	27.96	20.3	wUEX012F52
o3960	C2020	12	04.21605721	26	58.607+05	06	34.43		20.35	wUEX012F52
o3960	C2020	12	04.22751721	26	59.913+05	06	44.47		20.02	wUEX012F52
o3960	C2020	12	04.23134	21	27	00.342+05	06	47.66	19.7	wUEX012F52
o3960	C2020	12	04.23897821	27	01.183+05	06	54.07		19.96	wUEX012F52
o3960	C2020	12	04.24280	21	27	01.629+05	06	57.51	19.7	wUEX012F52
o3960	C2020	12	04.25044021	27	02.487+05	07	03.96		20.23	wUEX012F52
p8640	KC2010	03	24.50235711	32	41.777+10	49	49.45		23.63	GVEX012T12

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