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MPEC 2020-X03 : DAILY ORBIT UPDATE (2020 December 2)

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M.P.E.C. 2020-X03

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DAILY ORBIT UPDATE (2020 December 2)

Update to 2020-X01

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

Erroneous identifications:

# K19G35E	J20H00W	E2020-X01
# K16AE1O	J91C05Z	MPO370523

New identifications:

K14OE0Z	K20O31F	Odasso
K05U21S	K20M22F	Odasso

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
F3201	19.2	0.15	K205V	206.450	213.719	69.252	7.770	0.78070	0.91152	15	q
K00P27Q	20.0	0.15	K20CH	25.690	44.314	321.178	7.286	0.42125	2.22800	3	X
K00S20O	16.5	0.15	K20CH	147.639	259.913	53.304	14.975	0.18468	2.43872	10	X
K00Sc6S	16.6	0.15	K20CH	274.921	55.723	242.469	8.600	0.04906	3.18447	7	V
K00Sc6T	19.2	0.15	K20CH	151.262	133.389	204.739	5.483	0.20521	2.41647	3	V
K00T78L	16.8	0.15	K20CH	13.633	19.618	72.922	16.147	0.10711	2.85740	7	X
K01FI3S	15.8	0.15	K20CH	139.774	251.900	4.553	24.764	0.18934	3.14850	8	X
K01FO8Q	17.8	0.15	K20CH	352.846	256.984	155.819	1.460	0.15970	3.06890	5	V
K01UO1D	18.9	0.15	K20CH	33.282	237.620	118.690	4.130	0.28254	2.43229	3	V
K01XH7C	16.5	0.15	K20CH	343.882	173.768	268.413	15.604	0.19496	2.86061	7	X
K02G08Z	18.7	0.15	K20CH	356.402	161.489	309.784	5.314	0.63982	2.82539	4	X
K02L03G	19.8	0.15	K20CH	17.003	174.418	182.303	6.140	0.74917	2.35775	3	X
K02O37L	17.1	0.15	K20CH	42.286	85.757	262.151	20.564	0.26006	2.33279	6	X
K02PI0V	15.9	0.15	K20CH	13.382	102.163	294.979	12.421	0.10650	3.20121	7	X
K02PJ3T	16.7	0.15	K20CH	78.673	337.609	29.691	13.597	0.20547	2.64304	9	X
K02Q10T	17.4	0.15	K20CH	45.760	18.552	322.877	17.300	0.22170	2.69273	6	X
K02RI1D	17.6	0.15	K20CH	33.900	4.261	8.486	9.431	0.23168	2.33322	6	X
K02RQ6E	16.5	0.15	K20CH	350.977	142.746	334.974	12.721	0.13165	2.60851	7	X
K02TQ0M	16.7	0.15	K20CH	53.313	26.243	17.977	12.916	0.15188	2.65450	9	X
K03A22Y	17.4	0.15	K20CH	221.724	267.346	282.201	19.798	0.09131	1.90716	9	X
K03O21J	16.4	0.15	K20CH	15.369	93.204	303.740	27.725	0.33225	2.59177	5	X
K03SD0V	17.0	0.15	K20CH	9.763	48.556	349.563	21.976	0.03515	2.59752	7	X
K03SH5O	17.3	0.15	K20CH	20.887	25.621	3.125	13.608	0.16896	2.59756	2	X
K03SY3A	16.2	0.15	K20CH	354.736	65.000	0.053	15.159	0.21733	3.12111	8	X
K03Sk9D	18.3	0.15	K20CH	30.095	329.916	10.246	5.144	0.15146	2.63125	3	V
K03Sk9E	16.4	0.15	K20CH	40.342	241.471	110.263	11.258	0.22378	3.14230	3	V

K03T00W	16.7	0.15	K20CH	39.207	351.838	7.248	14.078	0.23221	3.14446	3 X
K03T22U	16.7	0.15	K20CH	16.330	75.675	323.791	8.397	0.06102	3.12608	7 X
K03UQ2V	17.0	0.15	K20CH	25.614	62.198	12.450	11.708	0.16446	3.07269	6 X
K03US2X	16.1	0.15	K20CH	52.615	326.051	73.948	19.400	0.22182	3.09801	6 X
K03UU2M	17.6	0.15	K20CH	8.049	39.656	10.870	11.773	0.18322	2.60799	6 X
K03UI6H	17.6	0.15	K20CH	35.994	117.155	252.984	0.696	0.10909	2.62180	10 V
K03V04Z	17.7	0.15	K20CH	15.281	34.865	54.679	14.846	0.24014	2.58614	4 X
K03W24G	16.8	0.15	K20CH	309.470	252.969	251.587	27.682	0.33540	2.62715	5 X
K03X28Q	17.1	0.15	K20CH	24.340	325.684	63.769	18.489	0.19263	3.18011	3 V
K03YI3B	17.0	0.15	K20CH	1.616	125.969	352.230	17.039	0.19410	2.61559	5 X
K04A00C	18.8	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
K04EB7P	16.0	0.15	K20CH	190.357	308.876	277.184	13.952	0.13040	2.75444	12 X
K04F31K	18.1	0.15	K20CH	344.959	60.780	71.103	22.834	0.26457	2.28084	6 X
K04Y39L	17.5	0.15	K20CH	344.007	95.929	349.290	11.514	0.22797	2.54659	4 X
K05B52A	16.2	0.15	K20CH	27.056	73.709	309.356	15.282	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
K05E15X	16.6	0.15	K20CH	289.082	155.053	345.142	15.840	0.15900	3.20186	8 X
K05EU0Y	16.5	0.15	K20CH	45.549	343.822	353.033	10.094	0.05328	3.34231	6 V
K05G35C	18.3	0.15	K20CH	333.351	99.840	347.281	20.965	0.10012	1.95782	4 X
K05O35D	17.0	0.15	K20CH	212.864	328.500	64.897	5.449	0.20188	2.56883	7 V
K05P32N	18.3	0.15	K20CH	49.003	203.628	118.617	7.840	0.16359	2.40042	5 V
K05SR6C	18.9	0.15	K20CH	29.275	260.875	109.949	2.528	0.20619	2.40951	4 V
K05U21S	18.3	0.15	K20CH	11.780	316.782	18.678	6.027	0.12967	2.47046	2 V
K05UF2P	16.7	0.15	K20CH	341.156	89.677	46.819	15.612	0.10289	2.84315	8 X
K05VF3G	18.6	0.15	K20CH	334.785	336.143	105.584	2.773	0.13351	2.41765	6 V
K05VF3H	18.2	0.15	K20CH	130.664	14.858	37.248	4.473	0.09576	2.73798	4 V
K05W58V	17.2	0.15	K20CH	16.535	325.839	55.855	6.639	0.37256	2.40283	9 X
K05WL7Z	17.4	0.15	K20CH	181.586	74.731	296.032	1.582	0.02979	2.72999	5 V
K05X19G	16.9	0.15	K20CH	319.218	194.724	260.298	8.807	0.06996	2.96549	7 V
K05X74K	16.6	0.15	K20CH	231.512	245.155	299.190	13.952	0.05487	3.01126	6 X
K06AB5X	17.6	0.15	K20CH	125.807	170.149	286.015	7.341	0.05927	2.73167	7 V
K06E39H	16.6	0.15	K20CH	0.061	55.889	349.998	23.493	0.12879	3.12402	7 X
K06L09U	18.7	0.15	K20CH	73.788	215.296	90.436	3.975	0.26043	2.27162	4 V
K06P00Q	16.6	0.15	K20CH	245.597	224.782	302.400	13.853	0.02074	2.68637	8 X
K06Q03B	17.6	0.15	K20CH	5.385	72.883	340.689	9.112	0.39556	2.76472	5 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
K06QI5S	16.3	0.15	K20CH	131.981	286.461	341.994	12.891	0.17362	2.71247	11 X
K06R10K	16.7	0.15	K20CH	61.729	50.095	350.905	8.617	0.06165	2.65759	9 X
K06R76X	17.6	0.15	K20CH	333.848	249.609	175.945	9.897	0.18785	2.79382	5 V
K06Sj2M	17.4	0.15	K20CH	52.843	347.094	354.650	12.587	0.15674	2.75963	4 V
K06X81T	16.5	0.15	K20CH	253.562	66.618	271.780	5.354	0.31514	2.53133	5 V
K06Y68M	18.2	0.15	K20CH	110.030	21.180	124.927	14.579	0.19731	2.57883	4 V
K07A19X	18.2	0.15	K20CH	10.404	141.459	307.316	22.943	0.24405	2.30319	5 X
K07B23N	17.5	0.15	K20CH	340.701	137.039	304.554	15.109	0.20568	2.86027	5 X
K07DA8R	17.4	0.15	K20CH	48.806	350.969	335.816	2.285	0.12115	2.98004	3 V
K07E33S	16.2	0.15	K20CH	139.020	86.266	338.490	13.491	0.02704	3.47932	6 V
K07EA3K	16.5	0.15	K20CH	83.686	316.808	357.295	16.284	0.11931	3.04108	8 X
K07F43F	15.4	0.15	K20CH	137.267	301.789	304.751	21.812	0.28282	3.13033	10 X
K07F61T	14.4	0.15	K20CH	310.257	106.668	200.696	0.761	0.11096	5.15626	9 V
K07HB3C	18.4	0.15	K20CH	27.018	192.801	46.563	6.351	0.07597	2.21831	4 V
K07HB3D	18.1	0.15	K20CH	17.580	203.580	48.685	8.518	0.08181	2.21611	7 V
K07Tn0W	18.8	0.15	K20CH	51.636	212.715	121.047	4.124	0.17000	2.20941	5 V
K07U72C	17.0	0.15	K20CH	284.004	166.767	34.087	8.275	0.14220	2.54736	11 X
K07UF9F	17.6	0.15	K20CH	284.785	75.113	28.879	6.409	0.10146	2.69353	3 V
K07VY6H	17.1	0.15	K20CH	229.820	241.600	308.210	13.601	0.10982	2.59517	7 X
K07W73H	17.8	0.15	K20CH	344.227	55.591	19.135	4.806	0.05263	2.68289	6 V
K07W73J	16.9	0.15	K20CH	313.729	342.280	342.978	8.071	0.17182	2.86405	3 V
K07X70G	17.4	0.15	K20CH	343.035	328.012	87.386	5.020	0.05994	2.75855	3 V
K07Y81W	18.8	0.15	K20CH	114.695	19.748	275.758	17.968	0.05843	1.91233	5 X
K07Y94B	16.6	0.15	K20CH	66.741	56.601	104.695	11.269	0.04273	3.13847	6 V
K07Y94C	17.7	0.15	K20CH	56.828	43.350	6.360	2.693	0.09216	2.64623	7 V
K07Y94D	16.8	0.15	K20CH	154.336	93.136	318.263	7.809	0.06011	3.17299	5 V
K07Y94E	17.6	0.15	K20CH	339.920	83.187	339.495	3.853	0.10316	2.74720	4 V
K08B05P	17.8	0.15	K20CH	18.579	104.417	332.123	12.473	0.25241	2.65885	4 X
K08B60Z	16.6	0.15	K20CH	297.917	309.376	332.873	11.248	0.03563	3.19861	3 V
K08D58D	16.2	0.15	K20CH	294.141	151.350	32.917	15.898	0.06830	2.71668	9 X
K08GH0R	14.1	0.15	K20CH	325.159	219.910	58.967	21.774	0.09289	5.17655	6 V
K08J51Q	13.9	0.15	K20CH	270.102	294.806	51.853	22.971	0.11850	5.30990	5 V
K08O11X	17.7	0.15	K20CH	139.922	351.391	326.150	17.793	0.11456	2.00223	6 X
K08Q49U	16.5	0.15	K20CH	5.063	72.366	332.713	14.871	0.08453	3.18277	6 X
K08R66C	15.7	0.15	K20CH	91.807	310.658	8.313	17.990	0.02913	3.18652	8 X
K08RH4X	17.1	0.15	K20CH	4.361	108.493	291.060	3.137	0.14735	3.20478	4 V
K08RH4Y	17.6	0.15	K20CH	51.690	271.068	330.927	8.703	0.03734	2.63202	6 V
K08S78T	16.2	0.15	K20CH	312.212	118.597	353.647	15.600	0.07832	3.18999	8 X
K08SW0C	16.2	0.15	K20CH	104.802	281.309	351.116	24.967	0.27145	3.17913	5 X
K08SY7A	17.9	0.15	K20CH	111.893	262.396	164.470	7.777	0.08132	2.33199	6 V
K08SY7B	16.6	0.15	K20CH	352.387	19.021	12.109	9.848	0.09215	3.37754	5 V
K08SY7C	18.7	0.15	K20CH	157.585	183.930	154.067	7.212	0.13425	2.36952	3 V
K08T23U	16.0	0.15	K20CH	57.259	355.548	357.409	11.345	0.06735	3.18952	9 X
K08TH0C	16.5	0.15	K20CH	9.040	74.677	30.986	15.659	0.23740	3.16741	6 X
K08TM4F	18.3	0.15	K20CH	22.328	329.108	25.204	1.053	0.05164	2.55079	3 V
K08U96Z	16.0	0.15	K20CH	30.770	17.022	52.590	15.974	0.26407	3.17544	5 X
K08Uf0B	17.3	0.15	K20CH	175.496	333.114	113.138	7.535	0.02146	2.75573	10 V
K08VA2P	18.5	0.15	K20CH	126.136	287.664	180.071	6.588	0.05136	2.30439	7 V
K08WGF0F	17.5	0.15	K20CH	118.636	30.366	78.377	3.244	0.01995	2.87401	8 V
K08X67N	17.2	0.15	K20CH	124.861	324.185	95.535	3.940	0.07308	3.04361	6 V
K08Y81P	17.3	0.15	K20CH	352.415	136.935	293.639	12.710	0.22739	2.55781	6 X
K08YB5P	17.1	0.15	K20CH	301.772	186.041	293.745	13.932	0.04770	2.59261	7 X
K08YD0X	17.1	0.15	K20CH	296.467	193.802	293.759	14.364	0.06971	2.58737	8 X
K09A61X	17.4	0.15	K20CH	19.185	74.558	132.435	18.337	0.23690	3.07569	4 V
K09B14X	16.7	0.15	K20CH	254.987	210.435	309.503	15.892	0.09119	2.62946	7 X

K09BK9Y	16.8	0.15	K20CH	280.233	338.398	321.442	16.041	0.07145	3.05572	6 V
K09C04D	16.7	0.15	K20CH	25.324	29.218	347.717	12.313	0.28105	2.57481	7 X
K09C77C	17.6	0.15	K20CH	25.338	61.146	147.670	14.641	0.30687	3.09665	3 V
K09E40S	18.3	0.15	K20CH	65.858	149.032	79.066	4.077	0.12792	2.33004	5 V
K09E40T	16.7	0.15	K20CH	47.512	147.883	45.576	12.540	0.03854	3.10022	6 V
K09F93E	17.4	0.15	K20CH	8.363	196.407	200.484	1.235	0.04514	2.71716	9 V
K09M08P	17.8	0.15	K20CH	41.586	111.180	262.921	18.272	0.09401	1.89974	7 X
K09P02Z	17.3	0.15	K20CH	25.940	56.014	297.086	16.630	0.34814	3.07735	4 X
K09Q76U	18.1	0.15	K20CH	47.203	269.915	81.650	3.097	0.23254	2.35174	6 V
K09R77X	17.4	0.15	K20CH	2.372	79.017	326.714	16.616	0.24445	3.05780	5 X
K09S09U	18.9	0.15	K20CH	23.767	174.428	215.169	4.045	0.15197	2.34293	4 V
K09SLOF	18.8	0.15	K20CH	48.947	327.409	14.421	1.335	0.20501	2.36770	5 V
K09Se8P	17.9	0.15	K20CH	217.587	270.753	162.519	6.006	0.23502	2.59134	5 V
K09Se8Q	16.9	0.15	K20CH	306.003	228.694	230.894	10.593	0.07606	3.10211	6 V
K09Se8R	14.3	0.15	K20CH	327.414	4.942	39.773	23.642	0.05232	5.12695	5 V
K09Se8S	17.0	0.15	K20CH	1.250	161.134	223.698	8.543	0.07350	3.17077	4 V
K09Se8T	19.4	0.15	K20CH	26.870	60.142	305.002	1.040	0.20073	2.39504	3 V
K09Se8U	16.9	0.15	K20CH	316.325	29.606	48.085	14.809	0.09519	3.14068	3 V
K09T50R	17.5	0.15	K20CH	57.982	336.828	355.378	13.005	0.24063	2.36967	6 X
K09T55O	16.8	0.15	K20CH	342.030	353.588	79.510	18.388	0.18534	3.11602	5 V
K09T55P	16.9	0.15	K20CH	298.448	95.207	21.357	10.364	0.01018	3.06247	6 V
K09UE5L	13.3	0.15	K20CH	342.679	159.305	242.165	36.011	0.04394	5.07934	7 X
K09UI0Y	16.6	0.15	K20CH	304.189	31.009	40.079	15.242	0.05176	3.22699	5 V
K09UI0Z	17.7	0.15	K20CH	331.939	45.999	38.612	0.827	0.18313	3.13684	5 V
K09VB5B	17.0	0.15	K20CH	18.710	95.313	279.386	19.458	0.31970	3.12288	4 X
K09WK4N	13.6	0.15	K20CH	349.210	158.724	244.979	40.321	0.06956	5.21714	5 X
K09Y32Z	17.5	0.15	K20CH	227.353	320.369	96.607	8.514	0.19803	2.65827	5 V
K10B36C	17.3	0.15	K20CH	19.160	302.381	82.857	17.591	0.21284	3.09654	3 V
K10B39Y	18.3	0.15	K20CH	354.093	278.005	137.459	15.745	0.38957	3.11138	3 V
K10B48H	16.4	0.15	K20CH	243.053	265.815	270.029	26.590	0.16103	2.55464	6 X
K10B52E	16.9	0.15	K20CH	313.424	298.100	145.425	19.423	0.12057	3.16846	6 V
K10BA4O	16.1	0.15	K20CH	334.761	134.029	295.501	20.961	0.15397	3.14828	8 X
K10BC4U	16.4	0.15	K20CH	50.228	46.025	285.838	18.933	0.19378	3.14885	6 X
K10CE6X	16.9	0.15	K20CH	19.439	53.594	339.219	14.239	0.07333	2.52672	6 X
K10CR1A	16.6	0.15	K20CH	89.454	13.545	290.322	15.159	0.13550	2.52346	7 X
K10D01M	15.6	0.15	K20CH	298.606	229.643	324.697	26.055	0.18185	3.17421	6 X
K10D12U	13.5	0.15	K20CH	350.716	84.514	322.418	22.475	0.09887	5.23951	7 X
K10D82P	15.3	0.15	K20CH	252.016	266.073	267.374	19.842	0.13309	3.19133	10 X
K10DB2R	18.2	0.15	K20CH	75.112	276.429	258.921	2.520	0.08396	2.23972	7 V
K10EH5Y	17.3	0.15	K20CH	340.891	52.747	33.087	10.376	0.21594	3.15661	4 V
K10F07B	15.4	0.15	K20CH	288.622	144.320	60.808	19.614	0.09648	3.21647	9 X
K10GK8H	16.3	0.15	K20CH	342.373	121.018	81.364	25.900	0.09274	3.15390	3 V
K10N67T	17.2	0.15	K20CH	19.234	83.829	300.981	13.224	0.16678	2.90306	5 X
K10O60T	17.4	0.15	K20CH	316.760	180.602	285.603	13.424	0.08938	2.55993	7 X
K10P86G	17.3	0.15	K20CH	25.695	349.096	15.234	6.271	0.10129	2.95604	4 V
K10RD0Z	17.0	0.15	K20CH	35.716	156.735	219.071	8.573	0.11613	2.84499	4 V
K10RL1O	17.2	0.15	K20CH	6.017	201.479	189.614	8.786	0.14895	2.96609	4 V
K10S57Z	16.7	0.15	K20CH	342.891	120.995	209.800	8.448	0.03046	3.10779	8 V
K10TMOJ	17.6	0.15	K20CH	4.923	189.397	207.156	9.193	0.09845	2.92727	3 V
K10UC5B	16.9	0.15	K20CH	93.310	355.642	301.604	1.048	0.08423	2.94747	3 V
K10VP6E	18.4	0.15	K20CH	333.885	179.573	266.837	19.808	0.07952	1.86981	4 X
K10VP9V	17.3	0.15	K20CH	27.282	256.032	94.065	2.307	0.16829	3.01434	4 V
K10VP9W	17.2	0.15	K20CH	300.639	64.729	34.830	10.272	0.07719	2.98401	4 V
K10VP9X	17.4	0.15	K20CH	345.108	309.701	86.690	11.096	0.05039	3.01784	3 V
K10W65G	15.6	0.15	K20CH	252.741	263.870	269.598	24.522	0.21892	3.07847	8 X
K10XB3T	17.3	0.15	K20CH	10.612	86.165	119.072	15.158	0.01758	2.68313	6 V
K11A26C	16.0	0.15	K20CH	244.287	224.964	313.944	15.260	0.15426	3.10165	8 X
K11A83K	16.5	0.15	K20CH	290.362	189.984	306.193	17.238	0.16901	3.07940	5 X
K11A99Y	17.7	0.15	K20CH	162.699	121.324	274.171	0.907	0.08632	2.70580	5 V
K11B13Y	15.5	0.15	K20CH	281.002	172.680	339.208	15.987	0.17539	3.10169	10 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
K11BJ8V	17.2	0.15	K20CH	352.577	288.044	114.569	16.615	0.17393	3.10072	4 V
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
K11C70G	15.3	0.15	K20CH	280.036	156.654	352.158	17.134	0.16138	3.10607	9 X
K11CD4P	17.7	0.15	K20CH	79.260	352.522	162.303	7.147	0.05933	2.67755	6 V
K11CD4Q	18.5	0.15	K20CH	22.675	23.680	326.408	14.790	0.04733	2.39118	3 V
K11CD4R	18.3	0.15	K20CH	125.678	219.571	278.514	1.574	0.08309	2.61961	3 V
K11D58C	17.2	0.15	K20CH	335.675	204.572	220.459	4.713	0.11248	3.19412	6 V
K11D58D	18.3	0.15	K20CH	244.652	325.128	180.392	2.890	0.13711	2.42307	6 V
K11D58E	17.9	0.15	K20CH	67.465	311.137	171.650	3.136	0.15250	2.79805	3 V
K11E82X	15.9	0.15	K20CH	303.310	201.571	276.223	15.615	0.09602	3.14141	8 X
K11GA3A	17.1	0.15	K20CH	337.837	73.250	12.266	15.015	0.20347	3.14410	4 V
K11GA3B	17.6	0.15	K20CH	82.801	151.892	35.507	16.225	0.11120	2.71389	3 V
K11GA3C	17.8	0.15	K20CH	7.919	295.516	330.723	4.225	0.11830	2.71546	3 V
K11J03D	16.3	0.15	K20CH	275.753	167.329	345.637	17.079	0.16738	3.19038	5 X
K11L35H	16.3	0.15	K20CH	40.531	352.466	111.106	21.398	0.09824	3.11786	3 V
K11O43K	17.6	0.15	K20CH	22.719	63.094	310.633	12.372	0.33466	2.66162	4 X
K11O56X	16.3	0.15	K20CH	275.832	163.169	333.978	17.401	0.04573	2.57858	11 X
K11O72U	16.7	0.15	K20CH	108.924	324.064	173.498	13.223	0.04574	3.02164	7 V
K11O72V	16.7	0.15	K20CH	31.957	276.533	270.486	2.318	0.02407	3.08524	7 V
K11P21V	16.6	0.15	K20CH	99.822	106.181	347.265	16.996	0.02792	3.20391	5 V
K11Q72Z	17.1	0.15	K20CH	42.026	21.684	25.032	13.538	0.24887	2.62153	6 X
K11QB2Y	16.6	0.15	K20CH	2.054	63.761	156.803	5.593	0.06068	3.11506	8 V
K11S12E	17.6	0.15	K20CH	63.210	17.637	357.032	14.423	0.26955	2.60162	5 X
K11S28A	17.0	0.15	K20CH	19.534	91.719	294.284	11.360	0.28089	2.68389	7 X
K11SF5N	17.8	0.15	K20CH	44.278	319.603	22.234	5.203	0.12362	2.70978	6 V
K11SH3T	17.4	0.15	K20CH	21.076	15.815	11.534	14.451	0.26492	2.69447	5 X
K11SW3L	16.7	0.15	K20CH	30.246	16.118	172.583	9.337	0.02109	3.16390	6 V
K11SW3M	17.5	0.15	K20CH	353.056	220.506	171.359	5.754	0.09768	2.75954	7 V
K11SW3N	16.7	0.15	K20CH	161.288	273.457	187.200	9.214	0.01528	3.12581	7 V
K11SW3O	16.8	0.15	K20CH	315.821	264.860	2.876	8.783	0.03025	3.15994	5 V

K11SW3P	17.9	0.15	K20CH	353.256	253.822	129.542	4.846	0.10823	2.77307	3 V
K11T21P	17.9	0.15	K20CH	351.881	72.425	323.826	5.423	0.06026	2.74709	3 V
K11UP3T	17.6	0.15	K20CH	9.331	42.766	52.849	13.808	0.14363	2.64731	5 X
K11Ug2F	17.2	0.15	K20CH	21.455	31.364	51.617	12.851	0.13902	2.65642	7 X
K11Uk3F	18.1	0.15	K20CH	20.745	244.183	134.559	4.935	0.17705	2.75860	4 V
K11Uk3G	17.0	0.15	K20CH	33.448	7.939	223.112	10.060	0.04416	3.11395	5 V
K11WH7P	18.0	0.15	K20CH	357.070	119.584	298.904	3.240	0.19314	2.77122	5 V
K12A04T	16.6	0.15	K20CH	314.143	174.063	292.898	13.428	0.10687	2.84685	7 X
K12B58E	16.3	0.15	K20CH	76.951	17.939	316.407	8.961	0.06390	2.87451	10 X
K12C67V	16.9	0.15	K20CH	27.781	50.545	314.927	16.814	0.22448	2.93772	4 X
K12F61Y	16.1	0.15	K20CH	13.610	59.780	37.730	11.849	0.05691	2.84623	11 X
K12FA4A	16.6	0.15	K20CH	214.802	89.630	123.929	10.553	0.03496	3.05054	6 V
K12FA4B	17.6	0.15	K20CH	143.920	347.294	6.124	5.919	0.01274	2.81026	4 V
K12HA3K	18.3	0.15	K20CH	86.538	115.373	60.603	11.639	0.09753	2.52859	3 V
K12J42U	18.4	0.15	K20CH	93.859	257.798	23.306	2.152	0.19614	2.37220	6 V
K12K61S	18.1	0.15	K20CH	206.675	345.171	96.104	23.682	0.07843	1.95627	5 V
K12P56K	17.4	0.15	K20CH	350.418	49.024	232.007	5.746	0.04952	2.72048	6 V
K12Q67S	17.6	0.15	K20CH	297.661	180.742	163.387	4.699	0.12594	2.72949	4 V
K12R48C	18.7	0.15	K20CH	11.622	27.068	19.035	21.751	0.09464	1.89770	6 X
K12S50B	18.3	0.15	K20CH	233.671	286.422	265.937	22.535	0.12367	1.90526	5 X
K12S90Q	17.2	0.15	K20CH	9.356	25.934	194.517	10.290	0.04006	2.93033	3 V
K12T15H	17.9	0.15	K20CH	167.850	251.216	349.233	19.811	0.09550	1.90719	6 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
K12TI1P	18.9	0.15	K20CH	13.917	28.867	11.740	21.816	0.08112	1.91416	5 X
K12TI8X	19.1	0.15	K20CH	31.190	24.949	356.878	19.776	0.08026	1.91497	5 X
K12TT1U	18.2	0.15	K20CH	80.646	312.189	16.253	21.125	0.10046	1.91781	5 X
K12Ta5K	18.9	0.15	K20CH	128.093	204.695	269.526	2.523	0.03856	2.15265	6 V
K12Ta5L	16.9	0.15	K20CH	130.994	253.588	181.613	10.278	0.10045	3.09488	5 V
K12UM3F	16.8	0.15	K20CH	160.653	87.830	303.215	9.359	0.07415	3.17475	4 V
K12UM3G	18.2	0.15	K20CH	331.191	234.666	199.565	7.891	0.14149	2.56525	3 V
K12V04R	16.9	0.15	K20CH	335.888	129.921	325.458	32.130	0.23902	2.60163	5 X
K12Vc8M	16.6	0.15	K20CH	53.417	50.812	287.420	12.796	0.21383	2.55439	6 X
K12VD1J	17.1	0.15	K20CH	96.064	294.593	223.643	8.266	0.07104	3.00408	5 V
K12VD1K	18.4	0.15	K20CH	24.454	311.082	55.923	14.528	0.19315	2.57993	4 V
K12VD1L	18.3	0.15	K20CH	4.302	200.117	181.217	9.579	0.09859	2.55705	3 V
K12W34T	19.0	0.15	K20CH	357.980	277.503	124.979	2.294	0.19809	2.57394	3 V
K12X47Z	16.9	0.15	K20CH	346.040	138.451	290.157	16.154	0.13395	2.60374	6 X
K12XB1K	16.2	0.15	K20CH	24.841	18.488	358.871	16.643	0.28510	2.57418	7 X
K12XH2N	17.5	0.15	K20CH	44.083	79.154	278.053	13.205	0.19786	2.56936	6 X
K12XH2P	17.2	0.15	K20CH	291.894	345.391	125.366	9.807	0.11161	2.74266	6 V
K12Y07X	17.6	0.15	K20CH	226.138	281.458	321.467	19.501	0.06260	1.89443	8 X
K13AB6E	16.8	0.15	K20CH	260.141	212.107	319.875	12.709	0.19888	2.67548	3 X
K13B17E	14.2	0.15	K20CH	283.225	192.124	246.055	7.780	0.01571	5.22115	7 V
K13B43D	16.7	0.15	K20CH	49.648	22.570	320.703	13.581	0.19184	2.70164	9 X
K13B77D	17.9	0.15	K20CH	325.277	142.144	320.151	12.278	0.16274	2.62967	5 X
K13B96T	18.4	0.15	K20CH	40.103	220.043	260.319	5.870	0.13689	2.41051	3 V
K13B96U	17.4	0.15	K20CH	171.964	323.878	242.842	3.300	0.01068	2.77523	8 V
K13C17N	16.6	0.15	K20CH	177.228	253.884	341.403	17.461	0.05725	2.76728	6 X
K13C61P	18.4	0.15	K20CH	108.716	39.681	307.845	17.946	0.07556	1.95683	4 X
K13CA7W	16.8	0.15	K20CH	142.399	287.992	333.988	17.130	0.10135	2.79933	6 X
K13CD4O	17.9	0.15	K20CH	279.858	234.243	322.134	18.075	0.06676	1.93233	5 X
K13CG5M	16.9	0.15	K20CH	349.060	134.912	344.706	13.653	0.10337	2.60283	5 X
K13CL6K	17.7	0.15	K20CH	351.903	105.629	321.756	11.094	0.15797	2.67041	5 X
K13CO6Q	18.1	0.15	K20CH	331.533	246.240	206.297	5.638	0.11238	2.68893	5 V
K13EH2X	18.4	0.15	K20CH	77.611	69.729	54.984	5.550	0.10619	2.40074	6 V
K13EH2Y	17.5	0.15	K20CH	340.303	236.546	176.281	4.735	0.06722	2.76521	3 V
K13F21M	16.6	0.15	K20CH	16.973	66.248	22.756	12.665	0.10007	2.65088	7 X
K13F36K	17.1	0.15	K20CH	315.812	105.889	332.341	9.550	0.09205	2.83385	3 V
K13H14A	16.4	0.15	K20CH	108.351	315.458	40.593	9.387	0.05675	2.73062	12 X
K13L42P	16.6	0.15	K20CH	126.441	29.596	226.384	9.699	0.05169	3.10295	6 V
K13N37K	16.6	0.15	K20CH	52.450	72.565	317.720	25.128	0.24401	3.21910	4 X
K13N56L	17.6	0.15	K20CH	343.623	160.456	92.193	9.892	0.11741	2.53638	6 V
K13PB1E	18.0	0.15	K20CH	109.280	279.226	253.221	4.975	0.02703	2.52766	8 V
K13Q68Q	16.1	0.15	K20CH	62.291	61.734	335.352	11.820	0.09740	3.15382	8 X
K13RE3V	17.5	0.15	K20CH	91.803	44.544	46.528	4.806	0.21825	3.06174	3 V
K13TL2B	17.6	0.15	K20CH	48.229	7.007	190.372	12.367	0.04875	2.67636	5 V
K13U42F	17.5	0.15	K20CH	249.894	107.173	307.127	8.505	0.04905	2.60116	5 V
K13U42G	14.4	0.15	K20CH	321.781	68.907	218.792	24.138	0.07599	5.21516	4 V
K13V22R	18.2	0.15	K20CH	44.482	66.680	282.950	10.997	0.28902	2.29593	7 X
K13V61V	17.9	0.15	K20CH	313.624	253.114	90.197	5.337	0.20417	2.56513	6 V
K13WD3C	17.5	0.15	K20CH	144.246	22.411	102.565	5.375	0.01615	2.75437	6 V
K13WD3D	18.1	0.15	K20CH	226.873	343.117	175.088	2.502	0.14137	2.46899	7 V
K13WD3E	18.5	0.15	K20CH	33.381	250.139	120.388	6.105	0.17433	2.33404	6 V
K13WD3F	17.9	0.15	K20CH	308.335	272.161	72.880	4.070	0.08613	2.62581	5 V
K13WD3G	17.7	0.15	K20CH	225.101	255.650	268.012	13.336	0.09233	2.43456	4 V
K13WD3H	17.2	0.15	K20CH	43.653	70.436	72.655	9.751	0.19769	3.17011	3 V
K13X37Q	17.3	0.15	K20CH	94.152	281.129	191.359	10.686	0.09666	3.04097	3 V
K14A40N	17.4	0.15	K20CH	43.138	6.657	40.026	10.195	0.18230	2.29044	10 X
K14A71P	17.0	0.15	K20CH	302.729	203.482	86.758	10.272	0.01582	3.00816	6 V
K14A71Q	16.5	0.15	K20CH	354.029	248.656	323.893	20.321	0.01370	3.18977	4 V
K14A71R	16.6	0.15	K20CH	239.996	57.226	273.382	8.121	0.02958	3.11155	5 V
K14A71S	17.0	0.15	K20CH	91.310	253.947	265.570	9.768	0.04507	2.96068	3 V
K14B81O	16.5	0.15	K20CH	12.575	268.943	297.867	8.580	0.01880	3.11363	6 V
K14B81P	17.1	0.15	K20CH	37.868	173.171	40.625	12.966	0.09649	3.02219	4 V
K14C33L	16.4	0.15	K20CH	144.913	343.850	99.469	17.701	0.06568	3.11610	3 V
K14C33M	16.8	0.15	K20CH	92.167	356.508	146.599	6.975	0.11389	3.12720	3 V
K14D82W	16.8	0.15	K20CH	98.186	26.789	275.163	13.847	0.17324	2.54315	7 X
K14DH9J	16.7	0.15	K20CH	32.736	45.188	147.866	12.127	0.01860	3.16188	8 V
K14E00A	16.7	0.15	K20CH	5.860	308.385	124.232	22.815	0.22827	2.29176	9 X
K14EO4W	18.1	0.15	K20CH	38.894	125.286	233.861	3.065	0.04518	2.56994	5 V
K14EP4V	16.8	0.15	K20CH	15.333	119.487	128.246	11.870	0.08072	3.17568	7 V
K14F85H	18.3	0.15	K20CH	172.742	77.050	318.483	7.673	0.05068	2.17725	7 V

K14G80V	19.1	0.15	K20CH	82.391	270.392	262.703	3.174	0.07130	2.14032	4 V
K14H51J	17.8	0.15	K20CH	29.609	254.540	115.755	4.432	0.09607	2.66736	7 V
K14KD2L	18.8	0.15	K20CH	13.000	306.174	294.144	5.187	0.10528	2.19063	5 V
K14L38J	17.1	0.15	K20CH	14.059	180.156	191.187	10.811	0.10426	3.17486	2 V
K14M55K	21.4	0.15	K20CH	311.617	207.781	162.949	2.934	0.37003	1.37037	4 X
K14M93R	16.8	0.15	K20CH	59.823	325.691	357.043	7.933	0.07508	2.99254	3 V
K14M93S	17.4	0.15	K20CH	22.538	311.398	49.600	12.101	0.13920	3.05579	3 V
K14N85U	17.2	0.15	K20CH	34.219	86.492	254.065	17.550	0.11216	3.12263	3 V
K14N85V	17.0	0.15	K20CH	30.125	293.062	136.679	11.126	0.12319	2.88007	3 V
K14OE0Z	16.9	0.15	K20CH	334.997	68.977	317.920	9.388	0.03860	3.14755	5 V
K14OT7C	16.2	0.15	K20CH	18.726	28.371	1.189	21.204	0.12145	3.16404	6 X
K14P25O	16.1	0.15	K20CH	171.938	265.200	334.311	12.551	0.11728	2.93092	10 X
K14P60H	16.3	0.15	K20CH	265.508	266.001	259.861	26.878	0.14387	2.62416	7 X
K14P67L	17.0	0.15	K20CH	57.543	350.348	322.956	17.685	0.33831	3.11324	3 X
K14P92K	17.0	0.15	K20CH	23.768	356.642	358.642	8.560	0.08210	3.16463	4 V
K14P92L	17.4	0.15	K20CH	10.429	299.363	101.361	14.832	0.27916	3.15907	3 V
K14P92M	17.4	0.15	K20CH	6.226	238.648	151.074	10.922	0.10180	3.04208	3 V
K14P92N	17.0	0.15	K20CH	32.697	206.699	136.368	9.585	0.07796	3.16843	3 V
K14Q29A	16.6	0.15	K20CH	59.171	3.009	324.654	17.225	0.20407	3.13375	3 X
K14Q29Q	16.2	0.15	K20CH	31.890	47.520	319.128	12.810	0.20144	3.15293	7 X
K14QB1W	16.3	0.15	K20CH	66.396	10.093	309.570	15.512	0.20408	3.09003	3 X
K14QI9Y	17.1	0.15	K20CH	40.730	30.753	320.678	15.571	0.19103	3.11680	4 X
K14QQ5P	16.4	0.15	K20CH	47.320	42.541	296.322	16.075	0.22137	3.13427	3 X
K14QZ8Z	16.6	0.15	K20CH	28.801	17.708	351.996	14.783	0.26201	3.20273	4 X
K14QI0H	16.4	0.15	K20CH	32.153	32.292	320.046	18.934	0.27419	3.19694	4 X
K14Q19J	16.9	0.15	K20CH	14.869	47.231	342.824	14.966	0.18645	3.09349	7 X
K14Qr6Z	17.7	0.15	K20CH	41.240	65.041	288.690	6.460	0.19061	3.19278	2 V
K14Qr7A	16.8	0.15	K20CH	48.140	7.401	332.757	8.713	0.07642	3.16400	4 V
K14Qr7B	17.7	0.15	K20CH	18.487	204.787	154.198	3.978	0.18369	3.22374	3 V
K14Qr7C	17.3	0.15	K20CH	29.472	92.163	270.503	11.575	0.29630	3.19592	4 V
K14Qr7D	17.2	0.15	K20CH	57.899	304.373	12.689	10.200	0.21438	3.14951	3 V
K14Qr7E	16.9	0.15	K20CH	16.854	44.319	337.226	26.768	0.19888	3.18708	3 V
K14Qr7F	16.6	0.15	K20CH	26.426	154.127	205.233	12.067	0.08665	3.20651	4 V
K14Qr7G	16.8	0.15	K20CH	358.765	211.334	190.372	10.809	0.06215	3.12351	8 V
K14Qr7H	17.1	0.15	K20CH	43.459	132.417	199.978	8.005	0.10566	3.23692	3 V
K14Qr7J	17.1	0.15	K20CH	24.555	222.987	156.119	18.911	0.13801	3.15437	2 V
K14Qr7K	17.3	0.15	K20CH	27.611	232.017	135.010	15.284	0.28043	3.17864	2 V
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
K14R80H	17.1	0.15	K20CH	0.983	27.647	5.560	12.635	0.14848	3.16581	3 V
K14R80J	16.6	0.15	K20CH	97.964	212.545	67.454	11.944	0.06332	3.12235	5 V
K14R80K	17.4	0.15	K20CH	6.620	159.554	232.541	16.250	0.20656	3.17259	3 V
K14R80L	18.2	0.15	K20CH	102.890	109.908	53.719	9.670	0.05323	2.34577	3 V
K14R80M	16.8	0.15	K20CH	77.482	239.120	38.734	11.516	0.14134	3.20817	2 V
K14R80N	17.5	0.15	K20CH	3.589	233.211	163.046	1.702	0.16497	3.13822	2 V
K14S01Z	16.4	0.15	K20CH	58.072	347.162	345.111	17.459	0.18471	3.15213	4 X
K14S66L	16.7	0.15	K20CH	51.133	42.884	2.498	11.975	0.11806	2.85167	5 X
K14S83A	17.2	0.15	K20CH	22.053	29.797	351.216	16.821	0.18305	3.17590	2 X
K14SG6Z	16.4	0.15	K20CH	54.109	74.453	337.438	11.305	0.04178	2.91810	8 X
K14SM1G	16.0	0.15	K20CH	30.675	95.944	260.520	23.932	0.30952	3.18751	4 X
K14Sc8U	19.0	0.15	K20CH	3.955	302.443	1.348	3.647	0.18220	2.23115	5 V
K14Sc8V	16.5	0.15	K20CH	189.812	193.757	25.967	16.373	0.04281	3.17644	4 V
K14Sc8W	16.7	0.15	K20CH	44.993	129.369	216.661	10.118	0.07003	3.20821	6 V
K14Sc8X	18.3	0.15	K20CH	106.130	282.142	171.107	12.742	0.24219	2.64244	2 V
K14Sc8Y	17.7	0.15	K20CH	143.696	313.931	37.321	6.342	0.06416	2.79971	2 V
K14Sc8Z	18.5	0.15	K20CH	239.384	186.657	228.216	5.713	0.07357	2.30075	2 V
K14Sc9A	18.4	0.15	K20CH	3.592	338.479	267.806	6.085	0.16283	2.35440	2 V
K14Sc9B	17.8	0.15	K20CH	71.797	175.340	219.723	7.026	0.06894	2.83695	2 V
K14T41C	15.8	0.15	K20CH	72.313	319.859	17.966	19.458	0.06127	3.17867	6 X
K14T56Z	16.3	0.15	K20CH	50.598	339.084	58.370	19.422	0.21986	3.09828	7 X
K14T83L	16.9	0.15	K20CH	2.949	82.711	33.856	15.312	0.24949	3.04048	4 X
K14TA7W	16.9	0.15	K20CH	14.119	314.703	70.745	9.015	0.11869	3.22718	4 V
K14U24X	16.4	0.15	K20CH	46.957	350.088	60.719	13.689	0.14292	3.10570	6 X
K14U41G	16.1	0.15	K20CH	357.284	73.148	48.837	17.050	0.25587	3.13404	8 X
K14U44X	16.8	0.15	K20CH	17.591	52.628	35.335	13.934	0.21533	3.08931	5 X
K14UN3A	16.8	0.15	K20CH	41.005	27.703	30.217	11.807	0.13367	3.06734	7 X
K14UQ1E	16.5	0.15	K20CH	10.790	107.321	270.569	24.569	0.24652	3.22379	4 X
K14UQ5C	17.5	0.15	K20CH	123.238	65.209	261.913	3.787	0.13501	3.02419	2 V
K14V15Q	16.8	0.15	K20CH	29.945	10.787	57.263	16.715	0.25526	3.11471	5 X
K14V37M	16.1	0.15	K20CH	21.330	9.609	74.513	22.781	0.26990	3.08816	5 X
K14V42M	18.1	0.15	K20CH	28.818	144.279	205.027	14.819	0.31120	3.31380	3 V
K14W18L	16.6	0.15	K20CH	17.780	34.070	51.422	17.592	0.21274	3.15668	5 X
K14W72P	16.7	0.15	K20CH	357.107	70.817	58.048	17.052	0.23210	3.13003	5 X
K14WB4G	16.1	0.15	K20CH	47.737	33.687	318.793	15.456	0.11791	3.16132	7 X
K14Wh4G	16.4	0.15	K20CH	0.602	30.651	79.011	18.629	0.20262	3.07890	5 X
K14Ww3O	17.3	0.15	K20CH	6.245	127.497	267.886	17.606	0.24347	3.36960	2 V
K14Ww3P	17.0	0.15	K20CH	58.393	269.759	149.437	19.598	0.09819	3.03315	3 V
K14Ww3Q	17.6	0.15	K20CH	59.029	309.136	212.904	15.122	0.26364	2.74699	2 V
K14Ww3R	17.9	0.15	K20CH	110.378	203.820	263.788	4.566	0.11356	2.64852	3 V
K14Ww3S	17.7	0.15	K20CH	46.028	76.017	80.764	9.787	0.11010	2.74011	3 V
K14Ww3T	19.2	0.15	K20CH	50.269	82.303	88.092	24.254	0.02462	1.84393	2 V
K14Ww3U	17.9	0.15	K20CH	86.756	40.268	136.156	14.894	0.08845	2.54817	3 V
K14Ww3V	16.5	0.15	K20CH	38.834	193.807	227.509	15.709	0.10436	3.19738	2 V
K14Ww3W	16.7	0.15	K20CH	117.052	243.893	90.108	12.645	0.06413	3.17719	3 V
K14Ww3X	17.9	0.15	K20CH	108.795	44.823	321.510	10.919	0.13853	2.96679	2 V
K14Ww3Y	18.3	0.15	K20CH	136.309	127.980	283.258	13.886	0.17455	2.70207	2 V
K14Ww3Z	17.9	0.15	K20CH	65.767	290.115	249.099	11.907	0.11534	2.58024	2 V
K14Ww4A	18.1	0.15	K20CH	311.381	266.405	80.727	5.032	0.13227	2.36987	2 V
K14X52E	17.7	0.15	K20CH	90.460	108.733	22.830	12.588	0.16226	2.77294	2 V
K14X52F	17.7	0.15	K20CH	103.682	273.301	177.325	13.960	0.34602	2.85897	2 V
K14X52G	17.8	0.15	K20CH	34.362	89.213	78.599	10.608	0.07930	2.76142	3 V
K14X52H	17.7	0.15	K20CH	47.397	290.809	162.456	2.009	0.20212	3.06507	2 V
K14Y84J	17.3	0.15	K20CH	69.516	24.851	29.767	1.658	0.14296	3.05314	2 V

K14Y84K	17.9	0.15	K20CH	48.958	133.192	301.348	9.314	0.20979	3.13754	2 V
K14Y84L	18.9	0.15	K20CH	108.160	204.041	273.661	19.664	0.06902	1.84524	2 V
K15A12V	15.6	0.15	K20CH	87.263	283.546	91.734	26.792	0.24264	3.23275	7 X
K15AU1S	17.8	0.15	K20CH	54.710	81.575	128.449	15.794	0.04263	2.51626	2 V
K15AU1T	17.3	0.15	K20CH	356.820	258.819	304.775	11.883	0.06677	2.87120	3 V
K15Bz8A	17.4	0.15	K20CH	298.629	176.395	130.232	5.893	0.10300	2.71370	5 V
K15Bz8B	16.7	0.15	K20CH	7.011	33.068	151.894	17.359	0.05405	3.16660	4 V
K15Bz8C	18.5	0.15	K20CH	339.943	315.210	101.359	7.852	0.08254	2.30546	3 V
K15Bz8D	18.6	0.15	K20CH	275.686	32.320	82.932	8.256	0.05191	2.32844	5 V
K15Bz8E	16.7	0.15	K20CH	221.435	22.254	327.154	10.989	0.02899	2.95749	3 V
K15Bz8F	17.0	0.15	K20CH	39.953	319.896	113.699	11.255	0.05359	3.11877	2 V
K15Bz8G	18.0	0.15	K20CH	126.332	88.909	313.754	13.324	0.16268	2.89209	2 V
K15Bz8H	18.7	0.15	K20CH	147.282	144.759	273.271	18.199	0.09168	1.91528	2 V
K15C75A	17.4	0.15	K20CH	78.193	138.221	342.110	16.817	0.14378	2.98029	2 V
K15DR9K	14.0	0.15	K20CH	10.893	236.121	113.170	17.088	0.05494	5.29160	7 V
K15DR9L	17.9	0.15	K20CH	43.340	174.534	44.939	9.239	0.12988	2.71757	2 V
K15DR9M	17.1	0.15	K20CH	259.580	296.107	344.661	7.733	0.01057	3.10038	2 V
K15DR9N	17.2	0.15	K20CH	23.982	93.670	135.635	17.128	0.15263	2.90289	3 V
K15DR9O	17.1	0.15	K20CH	77.892	38.409	106.579	15.712	0.11573	2.98062	2 V
K15DR9P	17.6	0.15	K20CH	47.886	182.031	41.659	4.491	0.03748	2.76240	2 V
K15DR9Q	17.8	0.15	K20CH	52.181	171.718	57.760	5.744	0.04684	2.72189	2 V
K15DR9R	16.5	0.15	K20CH	326.978	267.527	335.359	24.500	0.19620	3.21202	2 V
K15DR9S	17.7	0.15	K20CH	46.809	209.867	6.596	17.147	0.13034	2.68303	2 V
K15DR9T	17.5	0.15	K20CH	55.158	46.174	99.660	12.794	0.20347	3.13568	2 V
K15DR9U	17.4	0.15	K20CH	308.454	54.705	265.653	3.242	0.06386	2.80938	3 V
K15DR9V	17.5	0.15	K20CH	74.311	284.094	170.931	7.873	0.20390	3.12612	2 V
K15DR9W	17.3	0.15	K20CH	293.351	154.870	104.321	10.582	0.01963	3.06768	2 V
K15DR9X	17.1	0.15	K20CH	248.137	292.782	78.696	13.241	0.00872	2.69561	3 V
K15E77Q	18.0	0.15	K20CH	9.457	13.362	39.010	25.224	0.19521	2.23544	2 X
K15E77U	17.3	0.15	K20CH	96.274	19.353	64.789	16.955	0.14235	2.97111	2 V
K15Fa2O	18.8	0.15	K20CH	175.590	259.511	200.705	21.555	0.10538	1.87377	3 V
K15Fh8W	17.1	0.15	K20CH	1.727	218.396	13.452	10.963	0.04113	3.00580	4 V
K15Fh8X	16.1	0.15	K20CH	109.880	47.765	70.108	19.778	0.13850	3.10690	3 V
K15Fh8Y	18.1	0.15	K20CH	14.865	197.962	56.002	2.687	0.16980	2.87925	2 V
K15Fh8Z	17.5	0.15	K20CH	16.612	17.757	214.480	6.647	0.17331	2.98340	3 V
K15Fh9A	17.6	0.15	K20CH	321.088	122.805	187.686	1.612	0.05522	2.84285	3 V
K15Fh9B	17.6	0.15	K20CH	24.502	62.847	138.927	6.712	0.18436	3.07221	3 V
K15Fh9C	17.2	0.15	K20CH	185.744	316.464	122.127	7.421	0.04097	2.89239	2 V
K15Fh9D	17.4	0.15	K20CH	9.679	203.409	23.060	11.601	0.10673	2.99828	2 V
K15Fh9E	17.4	0.15	K20CH	5.891	141.503	99.016	8.439	0.16636	2.99252	2 V
K15Fh9F	16.9	0.15	K20CH	1.767	266.873	317.572	14.677	0.18283	3.13673	3 V
K15Fh9G	17.5	0.15	K20CH	70.450	159.891	344.860	6.092	0.13812	3.02522	2 V
K15Fh9H	17.3	0.15	K20CH	54.653	180.592	338.948	10.605	0.02949	2.98122	2 V
K15G65B	18.2	0.15	K20CH	68.937	252.217	36.727	8.040	0.18545	2.58651	4 V
K15G65C	17.0	0.15	K20CH	13.407	57.343	155.884	19.506	0.12105	3.14750	2 V
K15G65D	16.7	0.15	K20CH	90.516	314.265	193.976	10.291	0.06034	2.94353	2 V
K15G65E	17.3	0.15	K20CH	49.886	2.944	185.955	14.829	0.08690	3.00236	3 V
K15HL7F	16.8	0.15	K20CH	6.019	213.713	5.438	9.015	0.04416	3.12628	7 V
K15HL7G	17.7	0.15	K20CH	41.562	222.569	108.942	14.471	0.28618	2.61128	5 V
K15HL7H	17.5	0.15	K20CH	73.663	19.832	281.350	9.710	0.16253	2.56749	5 V
K15HL7J	16.7	0.15	K20CH	341.807	276.161	320.536	9.567	0.07073	3.18948	2 V
K15HL7K	17.2	0.15	K20CH	10.250	73.355	145.720	6.771	0.05819	3.06818	2 V
K15J23H	17.7	0.15	K20CH	86.391	70.350	83.150	7.032	0.10620	3.02217	2 V
K15KJ6F	18.2	0.15	K20CH	66.427	37.917	258.732	10.410	0.19608	2.65176	3 V
K15KJ6G	18.2	0.15	K20CH	60.463	154.992	158.929	6.683	0.13284	2.61881	5 V
K15KJ6H	17.7	0.15	K20CH	49.484	202.817	136.484	15.019	0.26420	2.65504	5 V
K15KJ6J	18.2	0.15	K20CH	68.214	271.237	42.343	7.363	0.19938	2.57783	2 V
K15KJ6K	17.5	0.15	K20CH	16.801	136.442	111.195	7.869	0.07959	3.00869	2 V
K15KJ6L	17.8	0.15	K20CH	354.050	204.411	93.209	12.847	0.12789	2.90462	2 V
K15KJ6M	17.3	0.15	K20CH	57.719	120.159	92.800	10.828	0.06155	2.99792	2 V
K15KJ6N	17.2	0.15	K20CH	29.776	171.168	59.035	10.244	0.07712	3.04752	2 V
K15KJ6O	16.8	0.15	K20CH	21.422	285.483	271.848	14.342	0.16894	3.17798	2 V
K15L54W	16.9	0.15	K20CH	21.448	0.664	225.630	8.630	0.02919	3.16889	3 V
K15L54X	16.7	0.15	K20CH	310.716	66.186	242.959	13.346	0.06880	3.14858	2 V
K15MH4R	17.7	0.15	K20CH	27.756	256.557	133.235	11.398	0.13986	2.61381	4 V
K15MH4S	17.7	0.15	K20CH	345.354	128.701	262.224	5.530	0.06326	2.75217	4 V
K15MH4T	18.1	0.15	K20CH	80.301	324.741	344.579	2.650	0.10624	2.65661	4 V
K15MH4U	18.5	0.15	K20CH	8.499	265.942	118.633	4.077	0.14322	2.71129	3 V
K15MH4V	17.6	0.15	K20CH	19.850	215.222	174.492	13.527	0.16673	2.67220	3 V
K15MH4W	17.9	0.15	K20CH	14.302	245.317	155.905	8.188	0.23226	2.74292	6 V
K15MH4X	16.8	0.15	K20CH	355.989	122.291	160.972	10.783	0.07643	3.18413	3 V
K15MH4Y	18.6	0.15	K20CH	155.127	176.327	191.091	6.399	0.14645	2.27271	2 V
K15MH4Z	16.5	0.15	K20CH	68.429	82.374	127.446	10.291	0.02369	3.17121	3 V
K15MH5A	18.6	0.15	K20CH	172.744	224.451	99.735	6.964	0.13875	2.30530	2 V
K15MH5B	17.4	0.15	K20CH	31.618	68.465	286.383	13.581	0.16276	2.86640	2 V
K15MH5C	17.2	0.15	K20CH	341.469	194.532	107.518	18.837	0.18078	3.17742	2 V
K15MH5D	17.9	0.15	K20CH	60.836	219.463	92.580	5.281	0.07631	2.73766	2 V
K15MH5E	17.9	0.15	K20CH	32.289	53.856	303.991	1.602	0.10725	2.70322	2 V
K15MH5F	17.3	0.15	K20CH	29.344	167.073	81.103	2.517	0.13076	3.15527	2 V
K15MH5G	16.5	0.15	K20CH	310.659	174.776	164.790	11.192	0.10624	3.17714	2 V
K15MH5H	17.6	0.15	K20CH	27.094	66.399	137.606	26.720	0.26232	3.16719	2 V
K15N05V	16.7	0.15	K20CH	353.270	156.588	266.156	22.714	0.03121	2.62599	4 X
K15N34E	18.1	0.15	K20CH	59.832	137.101	166.678	13.504	0.27266	2.66567	3 V
K15N34F	17.3	0.15	K20CH	335.176	174.353	257.780	15.024	0.17340	2.72399	3 V
K15N34G	16.4	0.15	K20CH	355.694	65.648	180.907	16.326	0.16639	3.23600	3 V
K15N34H	17.6	0.15	K20CH	53.417	126.509	95.275	12.785	0.15037	2.97743	2 V
K15O03G	17.0	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
K15O67Z	16.9	0.15	K20CH	315.042	181.627	287.927	12.584	0.10337	2.55491	8 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
K15OD8D	17.5	0.15	K20CH	16.187	291.426	70.240	6.672	0.06643	2.81090	4 V

K150D8E	18.5	0.15	K20CH	126.280	346.644	56.099	6.383	0.16054	2.32489	3 V
K150D8F	17.7	0.15	K20CH	1.702	206.565	184.900	4.544	0.07847	2.75828	4 V
K150D8G	17.8	0.15	K20CH	47.533	174.846	170.166	5.973	0.07738	2.81136	6 V
K150D8H	18.0	0.15	K20CH	10.434	76.746	302.010	7.878	0.14545	2.85384	3 V
K150D8J	17.6	0.15	K20CH	3.885	200.445	201.399	4.171	0.07922	2.75876	6 V
K150D8K	17.2	0.15	K20CH	94.948	277.194	13.243	20.201	0.13326	2.80568	3 V
K150D8L	17.1	0.15	K20CH	109.837	280.651	323.243	11.115	0.15509	2.87241	6 V
K150D8M	17.4	0.15	K20CH	187.300	99.187	124.098	14.647	0.03017	2.60940	2 V
K150D8N	17.3	0.15	K20CH	358.550	259.028	138.029	4.484	0.09899	2.79739	2 V
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
K15PF7G	16.9	0.15	K20CH	244.327	200.775	336.763	14.182	0.10124	2.56754	7 X
K15PK5R	17.2	0.15	K20CH	284.224	173.717	34.859	10.959	0.18293	2.32567	9 X
K15PL1P	17.4	0.15	K20CH	11.535	27.633	63.167	14.321	0.21952	2.57231	4 X
K15PL7C	16.6	0.15	K20CH	311.702	195.066	275.665	14.156	0.07571	2.67827	6 X
K15Q04U	16.8	0.15	K20CH	29.640	65.697	318.427	11.871	0.04480	2.67914	8 X
K15Q29W	17.6	0.15	K20CH	76.785	336.020	333.493	7.236	0.11522	2.75376	4 V
K15Q29X	18.6	0.15	K20CH	33.135	29.600	344.209	0.896	0.11216	2.70710	3 V
K15Q29Y	17.8	0.15	K20CH	337.280	59.530	8.617	3.799	0.07916	2.74346	5 V
K15Q29Z	17.8	0.15	K20CH	25.600	39.785	326.154	5.038	0.12398	2.78035	4 V
K15Q30A	17.6	0.15	K20CH	39.113	10.634	343.149	5.869	0.03723	2.75051	2 V
K15Q30B	17.7	0.15	K20CH	10.209	241.659	149.185	3.222	0.07422	2.72499	2 V
K15R19V	16.5	0.15	K20CH	40.983	78.932	339.148	17.011	0.18952	2.60741	7 X
K15R87X	16.2	0.15	K20CH	142.034	334.903	286.536	12.849	0.22920	2.67563	12 X
K15RL2O	16.9	0.15	K20CH	85.878	344.707	330.823	13.650	0.11412	2.68545	7 X
K15RL5E	17.5	0.15	K20CH	302.626	293.738	157.214	3.956	0.08707	2.92328	7 V
K15RW4D	17.4	0.15	K20CH	138.374	260.781	348.303	3.573	0.05424	2.79264	3 V
K15RW4E	17.5	0.15	K20CH	345.912	40.682	4.853	4.604	0.17095	3.05138	2 V
K15RW4F	18.0	0.15	K20CH	13.385	61.639	325.651	2.634	0.10011	2.78139	4 V
K15RW4G	17.9	0.15	K20CH	24.424	74.998	289.651	0.928	0.08369	2.86769	2 V
K15RW4H	17.9	0.15	K20CH	27.714	305.896	60.018	5.974	0.18720	2.89302	4 V
K15RW4J	17.7	0.15	K20CH	359.240	14.283	6.061	12.054	0.07424	2.89641	2 V
K15RW4K	17.5	0.15	K20CH	41.959	160.678	168.755	10.413	0.08153	2.91953	2 V
K15RW4L	17.5	0.15	K20CH	26.168	333.379	27.979	11.636	0.13053	2.99250	2 V
K15S02K	18.4	0.15	K20CH	55.588	313.543	28.486	34.763	0.22664	1.85286	4 X
K15S44Q	17.4	0.15	K20CH	351.055	76.840	353.779	3.742	0.19314	2.98616	4 V
K15S44R	18.4	0.15	K20CH	1.930	325.816	44.998	7.003	0.28585	3.00067	2 V
K15T46U	17.5	0.15	K20CH	9.120	96.583	356.551	11.333	0.16977	2.63125	7 X
K15TX9Y	16.5	0.15	K20CH	326.609	73.902	22.370	22.345	0.06084	2.67150	8 X
K15Th2M	17.5	0.15	K20CH	336.260	228.258	207.739	14.299	0.12434	2.83833	5 V
K15Th2N	17.3	0.15	K20CH	12.612	152.091	231.300	10.138	0.08703	3.02834	3 V
K15Th2O	17.1	0.15	K20CH	15.197	224.224	153.597	11.529	0.10583	3.00314	4 V
K15Th2P	17.7	0.15	K20CH	41.017	84.874	249.544	9.143	0.15050	3.07519	2 V
K15Th2Q	18.1	0.15	K20CH	345.695	40.345	38.876	10.389	0.11113	2.84067	3 V
K15Th2R	18.6	0.15	K20CH	116.804	48.624	59.559	6.075	0.12210	2.28523	6 V
K15Th2S	17.4	0.15	K20CH	43.751	4.084	348.122	5.655	0.03108	2.86761	4 V
K15Th2T	17.7	0.15	K20CH	338.321	9.637	61.085	10.378	0.20419	2.98967	4 V
K15Th2U	18.0	0.15	K20CH	34.433	100.225	228.730	14.155	0.25394	3.04489	2 V
K15Th2V	17.5	0.15	K20CH	36.127	353.272	343.757	0.550	0.15637	3.04771	2 V
K15Th2W	17.0	0.15	K20CH	327.214	212.901	206.537	3.903	0.03682	3.08640	2 V
K15Th2X	17.6	0.15	K20CH	340.476	249.963	147.836	17.922	0.21230	3.13850	2 V
K15Th2Y	17.5	0.15	K20CH	29.617	138.233	214.824	10.152	0.10598	2.99991	2 V
K15Th2Z	17.7	0.15	K20CH	353.493	272.883	131.647	14.686	0.26902	2.97257	2 V
K15Th3A	17.1	0.15	K20CH	333.625	91.513	327.306	11.704	0.14453	3.07490	2 V
K15Th3B	17.2	0.15	K20CH	348.143	37.138	3.560	13.979	0.14000	3.09028	2 V
K15Th3C	17.2	0.15	K20CH	59.345	194.077	125.242	10.481	0.06707	3.02518	2 V
K15Th3D	17.4	0.15	K20CH	359.926	320.103	34.507	5.739	0.25859	3.11449	2 V
K15Th3E	17.7	0.15	K20CH	326.907	222.656	205.056	5.773	0.08396	2.94372	2 V
K15Th3F	17.2	0.15	K20CH	318.617	15.254	47.947	10.420	0.04155	3.10001	2 V
K15V43X	17.1	0.15	K20CH	101.321	338.614	318.962	12.741	0.16299	2.69403	6 X
K15V63T	16.2	0.15	K20CH	62.286	12.833	329.510	10.764	0.12397	2.87892	9 X
K15VF6Z	16.5	0.15	K20CH	34.801	22.986	51.958	15.452	0.08596	2.75215	8 X
K15VF7T	16.5	0.15	K20CH	53.130	23.420	22.995	15.721	0.13733	2.84727	8 X
K15VJ7C	17.0	0.15	K20CH	34.307	356.515	351.974	11.504	0.14425	2.99053	5 V
K15VJ7D	17.3	0.15	K20CH	326.173	94.984	352.574	1.794	0.17793	3.00853	4 V
K15VJ7E	17.3	0.15	K20CH	7.700	332.117	32.121	11.264	0.07728	3.13377	2 V
K15VJ7F	16.9	0.15	K20CH	59.151	125.704	197.662	10.511	0.04835	3.06940	2 V
K15VJ7G	17.3	0.15	K20CH	21.412	58.985	297.705	8.619	0.11733	3.01640	2 V
K15VJ7H	17.6	0.15	K20CH	25.367	276.495	67.248	5.891	0.15828	3.08007	2 V
K15VJ7J	17.8	0.15	K20CH	24.051	133.785	216.553	3.921	0.13616	3.06996	2 V
K15W32H	18.9	0.15	K20CH	74.165	79.282	104.420	3.546	0.09777	2.21357	3 V
K15W32J	17.6	0.15	K20CH	24.185	209.887	149.250	6.524	0.16722	3.05469	3 V
K15W32K	17.2	0.15	K20CH	97.895	90.253	268.431	17.472	0.10241	2.65857	5 V
K15W32L	16.9	0.15	K20CH	337.139	16.767	57.322	10.682	0.06823	2.99699	6 V
K15W32M	17.0	0.15	K20CH	281.259	75.813	33.163	6.057	0.11934	3.21168	6 V
K15W32N	17.5	0.15	K20CH	336.686	6.141	56.002	17.524	0.14515	3.07048	2 V
K15Xb5E	15.7	0.15	K20CH	125.715	359.820	271.742	16.887	0.18638	3.18724	10 X
K15Xc0C	16.2	0.15	K20CH	347.274	96.636	338.035	14.584	0.24404	3.08810	10 X
K15Xc5T	18.3	0.15	K20CH	344.018	141.885	286.956	17.581	0.08162	1.96546	3 X
K15Xc8E	18.2	0.15	K20CH	230.235	258.766	283.113	20.051	0.00933	1.92216	5 X
K15Xd5W	16.3	0.15	K20CH	330.321	116.895	337.025	14.835	0.14844	3.13833	7 X
K15Xi8C	18.0	0.15	K20CH	93.541	22.757	283.549	19.791	0.05848	1.92391	5 X
K15Xj8D	17.0	0.15	K20CH	48.388	133.326	216.416	10.747	0.13454	2.98107	6 V
K15Xj8E	16.7	0.15	K20CH	282.922	275.004	213.423	15.052	0.10074	3.18063	6 V
K15Xj8F	17.3	0.15	K20CH	16.072	135.815	226.064	26.481	0.17579	3.18079	3 V
K15Xj8G	17.0	0.15	K20CH	315.915	1.777	89.887	11.429	0.06084	3.15785	5 V
K15Xj8H	16.9	0.15	K20CH	342.239	329.992	97.099	19.321	0.06338	3.13336	3 V
K15Xj8J	16.6	0.15	K20CH	40.148	258.098	98.565	19.962	0.16644	3.04531	4 V
K15Xj8K	16.9	0.15	K20CH	335.013	160.712	283.143	5.859	0.12036	3.06348	6 V
K15Xj8L	18.9	0.15	K20CH	329.567	9.993	87.499	23.559	0.10667	1.91557	2 V
K15Xj8M	17.1	0.15	K20CH	40.938	135.036	206.163	15.904	0.07246	3.03954	2 V
K15Xj8N	17.3	0.15	K20CH	22.701	279.232	72.725	11.725	0.09841	3.19181	2 V
K15Xj8O	16.7	0.15	K20CH	27.232	272.604	82.226	7.163	0.11396	3.19440	2 V

K15Y01W	18.7	0.15	K20CH	50.364	330.080	73.658	23.365	0.09294	1.82844	5 X
K15Y17C	16.7	0.15	K20CH	1.380	56.290	49.332	12.665	0.18869	2.94450	8 X
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
K15Y34B	17.4	0.15	K20CH	349.867	290.667	133.680	16.968	0.17171	3.06476	4 V
K15Y34C	16.6	0.15	K20CH	24.237	271.964	101.539	14.678	0.15131	3.22031	2 V
K16AB8K	16.9	0.15	K20CH	341.699	136.946	310.783	13.602	0.26051	3.17907	6 X
K16AE1O	16.4	0.15	K20CH	57.995	249.617	157.874	12.829	0.10254	2.94416	7 V
K16AH4X	15.9	0.15	K20CH	345.076	78.627	64.069	18.193	0.08346	2.88863	11 X
K16AN3L	16.6	0.15	K20CH	4.215	110.116	297.689	14.824	0.21169	3.16550	6 X
K16AO6P	16.8	0.15	K20CH	305.139	183.436	287.892	19.472	0.08666	3.22048	5 X
K16AP6U	17.6	0.15	K20CH	355.297	107.592	322.148	7.570	0.25695	3.12324	3 X
K16AT7D	16.8	0.15	K20CH	7.198	95.232	304.378	17.448	0.12738	3.23569	3 X
K16AW4H	17.6	0.15	K20CH	352.902	98.286	331.295	11.852	0.28347	3.16661	2 X
K16AW4R	16.9	0.15	K20CH	350.250	95.035	334.052	9.882	0.15294	3.15754	5 V
K16AW4S	17.8	0.15	K20CH	10.076	281.433	117.629	13.182	0.30749	3.07685	3 V
K16AW4T	16.5	0.15	K20CH	19.197	104.193	271.703	24.587	0.26744	3.09926	5 V
K16AW4U	17.1	0.15	K20CH	350.025	292.807	135.776	17.161	0.20241	3.16733	2 V
K16AW4V	16.4	0.15	K20CH	315.991	338.699	135.070	18.770	0.17883	3.13774	6 V
K16AW4W	17.8	0.15	K20CH	345.676	84.184	338.101	12.793	0.27129	3.18799	3 V
K16AW4X	17.6	0.15	K20CH	332.088	314.050	129.232	15.103	0.29319	3.18980	2 V
K16AW4Y	17.0	0.15	K20CH	359.302	177.581	238.776	14.276	0.21195	3.16991	2 V
K16AW4Z	17.6	0.15	K20CH	337.654	114.967	317.030	8.017	0.17731	3.16467	2 V
K16B81W	18.4	0.15	K20CH	344.420	80.603	357.685	19.489	0.11600	1.92840	6 X
K16B94Z	15.7	0.15	K20CH	116.140	26.899	310.120	22.839	0.18231	3.13125	6 X
K16C00G	15.9	0.15	K20CH	348.851	112.846	311.754	15.498	0.10549	3.23151	7 X
K16C26Y	17.0	0.15	K20CH	335.681	100.166	1.465	14.184	0.26378	3.18544	4 X
K16CN3O	17.1	0.15	K20CH	40.810	19.588	23.470	14.277	0.28690	3.03268	6 X
K16CN5D	15.6	0.15	K20CH	22.455	82.881	5.556	14.303	0.05594	3.03429	12 X
K16CZ9Y	16.0	0.15	K20CH	42.865	40.589	315.707	17.163	0.08640	3.52799	3 X
K16D40G	17.8	0.15	K20CH	56.008	46.377	143.736	15.907	0.08017	2.53631	5 V
K16E39K	18.2	0.15	K20CH	355.344	115.355	300.601	16.982	0.10109	1.94162	3 X
K16E50D	16.6	0.15	K20CH	24.897	4.625	69.978	18.389	0.18804	3.18847	6 X
K16EK1X	16.2	0.15	K20CH	37.377	4.672	64.601	14.120	0.10569	3.11072	7 X
K16F75E	17.8	0.15	K20CH	357.373	347.335	313.091	5.980	0.23214	2.52489	7 V
K16F75F	17.0	0.15	K20CH	311.220	47.819	225.829	14.695	0.03656	2.74364	8 V
K16F75G	17.9	0.15	K20CH	358.808	90.553	165.578	13.681	0.19505	2.67391	5 V
K16H30Z	19.0	0.15	K20CH	80.334	137.693	138.749	2.728	0.18930	2.31003	2 V
K16H31A	18.6	0.15	K20CH	94.036	192.075	84.932	7.594	0.14964	2.25842	2 V
K16J48W	17.4	0.15	K20CH	38.264	292.048	263.816	3.076	0.10004	2.71590	6 V
K16J48X	18.9	0.15	K20CH	134.129	205.650	33.102	4.917	0.09660	2.22193	2 V
K16K12O	16.5	0.15	K20CH	329.484	351.228	298.870	7.326	0.29278	2.85399	7 V
K16L68A	17.7	0.15	K20CH	48.525	72.400	266.952	20.402	0.27515	2.44836	3 X
K16L83E	16.9	0.15	K20CH	245.497	106.158	189.813	8.635	0.05401	3.17127	5 V
K16L83F	18.8	0.15	K20CH	44.370	50.951	283.462	15.335	0.29107	2.41498	2 V
K16ND0R	18.7	0.15	K20CH	105.669	141.853	116.954	2.279	0.15422	2.35739	4 V
K16ND0S	19.0	0.15	K20CH	48.742	2.714	331.354	5.387	0.25183	2.44087	2 V
K16ND0T	18.7	0.15	K20CH	17.947	260.003	132.140	4.643	0.22187	2.35078	4 V
K16ND0U	18.2	0.15	K20CH	64.033	199.272	131.695	5.313	0.16083	2.40791	4 V
K16ND0V	18.4	0.15	K20CH	24.479	133.777	222.774	13.898	0.15392	2.42614	2 V
K16PI4X	18.6	0.15	K20CH	2.866	24.267	29.158	6.364	0.15904	2.34045	4 V
K16PI4Y	17.0	0.15	K20CH	263.764	175.616	192.993	11.911	0.07388	2.90497	5 V
K16PI4Z	18.5	0.15	K20CH	350.685	19.232	19.302	5.941	0.18026	2.46039	2 V
K16PI5A	18.6	0.15	K20CH	355.757	2.275	29.900	5.047	0.08682	2.43852	2 V
K16PI5B	18.4	0.15	K20CH	62.276	233.854	82.501	6.331	0.15321	2.43119	2 V
K16PI5C	18.0	0.15	K20CH	18.580	14.332	355.697	22.574	0.04682	2.44158	2 V
K16Q01F	17.5	0.15	K20CH	61.941	59.630	311.900	21.044	0.29913	2.38410	4 X
K16QB9F	17.9	0.15	K20CH	217.889	217.661	314.859	14.176	0.02212	2.42626	4 V
K16QB9G	19.1	0.15	K20CH	52.270	49.175	269.811	2.146	0.19530	2.43659	3 V
K16QB9H	18.3	0.15	K20CH	18.985	305.642	40.417	4.676	0.12257	2.55761	5 V
K16QB9J	18.0	0.15	K20CH	31.964	346.953	26.907	17.155	0.20494	2.53533	2 V
K16R68Q	18.4	0.15	K20CH	6.892	81.757	329.472	8.389	0.21163	2.44337	4 X
K16R70T	17.4	0.15	K20CH	29.020	90.137	289.635	13.909	0.12406	2.52191	3 X
K16R71G	18.5	0.15	K20CH	22.737	289.710	90.652	4.092	0.18670	2.45706	4 V
K16R71H	18.7	0.15	K20CH	339.862	106.539	320.577	12.286	0.24818	2.54260	2 V
K16R71J	18.7	0.15	K20CH	64.090	266.166	55.777	2.006	0.18904	2.43763	3 V
K16S89T	17.8	0.15	K20CH	7.295	288.229	108.936	16.203	0.08785	2.50757	3 V
K16S89U	17.4	0.15	K20CH	8.333	242.372	166.881	21.654	0.08180	2.56269	2 V
K16S89V	17.9	0.15	K20CH	91.237	186.374	98.798	5.595	0.08809	2.51008	2 V
K16S89W	18.8	0.15	K20CH	17.776	339.976	29.758	17.615	0.14694	2.54764	2 V
K16S89X	19.1	0.15	K20CH	348.690	330.582	77.903	1.696	0.19968	2.53264	2 V
K16S89Y	18.0	0.15	K20CH	346.207	156.364	222.645	11.951	0.17399	2.67637	2 V
K16T92Z	16.7	0.15	K20CH	70.207	8.614	307.150	17.817	0.19595	2.55484	5 X
K16TF0O	18.5	0.15	K20CH	0.928	40.642	356.631	16.812	0.15822	2.54988	3 V
K16TF0P	17.5	0.15	K20CH	195.922	174.071	22.472	15.523	0.05563	2.56239	6 V
K16TF0Q	18.5	0.15	K20CH	42.614	310.803	35.130	16.171	0.19933	2.55946	4 V
K16TF0R	18.3	0.15	K20CH	325.456	36.650	35.126	4.187	0.16874	2.63542	3 V
K16TF0S	18.7	0.15	K20CH	10.709	79.262	325.813	3.578	0.09713	2.53142	3 V
K16TF0T	17.8	0.15	K20CH	8.511	84.650	275.507	3.251	0.09226	2.74858	5 V
K16TF0U	16.6	0.15	K20CH	303.750	194.255	179.165	15.140	0.17149	3.08014	4 V
K16TF0V	18.3	0.15	K20CH	59.203	315.124	9.173	9.094	0.17624	2.55931	5 V
K16TF0W	17.8	0.15	K20CH	320.945	282.044	174.591	27.256	0.18223	2.60116	2 V
K16TF0X	18.2	0.15	K20CH	27.185	166.154	202.358	14.399	0.07519	2.53287	2 V
K16TF0Y	17.8	0.15	K20CH	124.814	240.210	17.183	10.521	0.10922	2.56443	2 V
K16TF0Z	19.9	0.15	K20CH	7.824	203.404	178.720	7.044	0.31383	2.58758	2 V
K16TF1A	18.7	0.15	K20CH	37.122	145.125	202.736	11.927	0.28546	2.56008	2 V
K16TF1B	19.4	0.15	K20CH	16.836	304.978	59.028	6.528	0.30159	2.58370	2 V
K16TF1C	18.3	0.15	K20CH	9.510	26.862	342.935	0.324	0.10083	2.59954	2 V
K16UP9W	17.4	0.15	K20CH	332.486	86.543	17.449	12.554	0.20801	2.54205	6 X
K16UQ0K	18.3	0.15	K20CH	52.874	8.488	326.203	11.787	0.26600	2.52396	3 X
K16UQ0Q	18.0	0.15	K20CH	93.423	332.837	332.566	2.692	0.06177	2.54405	5 V
K16UQ0R	18.1	0.15	K20CH	62.128	38.482	254.385	3.893	0.25680	2.61213	5 V
K16UQ0S	18.8	0.15	K20CH	338.353	236.141	183.599	13.019	0.25362	2.63225	2 V

K16UQ0T	18.9	0.15	K20CH	341.828	57.328	355.737	3.399	0.23138	2.59409	2 V
K16UQ0U	18.1	0.15	K20CH	307.930	162.057	299.750	7.426	0.12606	2.54552	2 V
K16UQ0V	19.0	0.15	K20CH	16.652	295.806	61.298	3.207	0.22922	2.61006	2 V
K16UQ0W	18.6	0.15	K20CH	351.314	307.021	90.648	2.749	0.21667	2.61998	2 V
K16V150	16.7	0.15	K20CH	322.745	122.607	335.538	16.391	0.08682	2.54273	6 X
K16V39Y	17.2	0.15	K20CH	259.050	149.884	117.460	24.466	0.17253	2.34403	6 V
K16V39Z	17.8	0.15	K20CH	354.549	349.264	55.043	15.930	0.22458	2.73883	3 V
K16V40A	18.7	0.15	K20CH	332.869	230.174	194.505	1.839	0.19773	2.64269	4 V
K16V40B	18.4	0.15	K20CH	26.522	207.980	158.295	4.576	0.23287	2.58193	3 V
K16W11M	16.3	0.15	K20CH	30.792	45.220	323.725	14.569	0.15829	2.54863	5 X
K16W57F	16.6	0.15	K20CH	66.386	338.326	44.331	15.534	0.17972	2.54393	9 X
K16W58J	17.2	0.15	K20CH	318.730	89.871	16.510	24.512	0.09400	2.57659	3 X
K16W58N	18.1	0.15	K20CH	31.716	79.728	256.465	26.293	0.43433	2.59905	2 X
K16W67P	19.4	0.15	K20CH	103.958	126.134	276.443	2.399	0.08445	2.21160	3 V
K16W67Q	18.6	0.15	K20CH	353.738	37.700	4.881	2.836	0.23348	2.64314	4 V
K16W67R	17.2	0.15	K20CH	165.443	277.348	248.736	17.327	0.10828	3.19288	3 V
K16X29V	17.5	0.15	K20CH	330.907	150.993	269.347	12.761	0.18136	2.73873	2 V
K16Y10P	18.7	0.15	K20CH	14.579	76.171	307.940	26.554	0.43546	2.60859	3 X
K16Y22D	17.4	0.15	K20CH	316.105	76.807	358.784	13.789	0.14372	2.85201	3 V
K16Y22E	17.0	0.15	K20CH	332.932	319.496	94.500	11.150	0.09502	2.98066	4 V
K16Y22F	18.7	0.15	K20CH	100.290	98.290	85.198	24.169	0.03725	1.88813	4 V
K17A30B	17.1	0.15	K20CH	334.416	164.327	286.581	12.816	0.15696	2.78946	2 X
K17A38U	18.5	0.15	K20CH	77.039	266.130	202.608	6.000	0.10263	2.24525	3 V
K17A38V	14.3	0.15	K20CH	344.877	177.955	75.502	21.792	0.08388	5.23156	3 V
K17A38W	17.4	0.15	K20CH	329.012	251.036	169.127	11.561	0.09698	2.93498	4 V
K17A38X	18.4	0.15	K20CH	358.681	126.494	43.119	5.320	0.09035	2.38427	6 V
K17A38Y	19.0	0.15	K20CH	59.441	241.704	240.981	1.258	0.09482	2.22242	5 V
K17A38Z	17.2	0.15	K20CH	49.882	235.219	119.743	13.287	0.31021	2.67456	3 V
K17B43N	17.1	0.15	K20CH	352.628	122.611	304.222	12.649	0.15790	2.74212	4 X
K17B99J	17.6	0.15	K20CH	358.698	111.107	308.072	11.996	0.20948	2.71675	4 X
K17BD7A	17.6	0.15	K20CH	7.768	143.674	310.216	12.713	0.21100	2.65351	4 X
K17BG7N	14.6	0.15	K20CH	285.512	170.369	151.954	23.266	0.06618	5.11016	4 V
K17BG7O	18.6	0.15	K20CH	342.913	137.387	127.385	7.751	0.15260	2.18052	5 V
K17BG7P	17.6	0.15	K20CH	267.504	163.885	108.658	22.569	0.11814	2.26670	5 V
K17BG7Q	17.8	0.15	K20CH	340.585	338.154	102.049	14.722	0.17765	2.73181	2 V
K17BG7R	17.1	0.15	K20CH	147.985	339.144	278.550	10.095	0.12814	3.07759	3 V
K17DB2D	16.5	0.15	K20CH	247.154	212.920	23.566	13.111	0.13086	2.55531	10 X
K17DD4M	17.7	0.15	K20CH	27.912	127.791	330.201	13.835	0.06930	2.57473	3 V
K17E34J	16.4	0.15	K20CH	290.592	302.274	152.282	10.510	0.05462	3.41204	4 V
K17E34K	17.3	0.15	K20CH	301.130	294.141	161.673	15.935	0.24021	3.10986	3 V
K17F05Y	16.4	0.15	K20CH	273.104	185.268	324.672	12.072	0.06100	3.02398	5 X
K17F31O	17.2	0.15	K20CH	5.602	97.596	5.052	13.398	0.23336	2.66611	6 X
K17FI1Q	17.9	0.15	K20CH	137.661	179.932	195.774	9.202	0.06152	2.55366	4 V
K17FI1R	17.2	0.15	K20CH	155.834	279.498	12.063	8.046	0.14168	3.11274	5 V
K17FI1S	17.3	0.15	K20CH	163.260	84.916	210.158	12.090	0.01250	2.85313	5 V
K17G18E	18.6	0.15	K20CH	28.572	252.089	346.160	4.680	0.06975	2.20693	5 V
K17H73E	17.8	0.15	K20CH	41.405	7.537	79.529	3.199	0.22759	2.72658	6 V
K17H73F	18.5	0.15	K20CH	31.488	78.754	65.407	8.004	0.16569	2.46343	3 V
K17J07Z	18.6	0.15	K20CH	35.706	154.613	47.394	7.503	0.05733	2.30222	4 V
K17K40B	17.9	0.15	K20CH	8.546	240.814	358.950	8.141	0.16767	2.42017	7 V
K17M17M	18.8	0.15	K20CH	208.774	52.877	140.199	24.546	0.01482	1.91713	3 V
K17M17N	17.3	0.15	K20CH	133.116	250.675	163.204	12.789	0.17744	3.14391	4 V
K17M17O	17.0	0.15	K20CH	177.262	92.197	289.264	18.253	0.25410	3.19213	4 V
K17M17P	17.7	0.15	K20CH	188.012	190.741	192.968	16.815	0.13502	2.56822	4 V
K17N15N	18.7	0.15	K20CH	356.537	195.337	118.881	7.617	0.14503	2.26268	2 V
K17N15O	18.7	0.15	K20CH	24.326	202.474	54.362	3.110	0.19192	2.29990	5 V
K17N15P	18.9	0.15	K20CH	27.103	169.182	101.225	8.305	0.16363	2.30653	3 V
K17OAIL	18.8	0.15	K20CH	19.323	238.972	42.400	2.160	0.17643	2.30021	3 V
K17OAIM	17.7	0.15	K20CH	42.377	240.617	311.874	12.028	0.10478	2.65271	4 V
K17OAIN	17.6	0.15	K20CH	161.240	292.642	178.239	4.398	0.12637	2.55277	7 V
K17OAI0	17.2	0.15	K20CH	105.896	132.545	328.984	18.426	0.07292	3.04308	3 V
K17OAI1P	18.6	0.15	K20CH	333.077	331.438	347.235	6.521	0.12527	2.41210	5 V
K17OAI1Q	17.8	0.15	K20CH	40.909	257.576	295.734	7.716	0.10874	2.58388	2 V
K17OAI1R	18.4	0.15	K20CH	1.899	177.718	117.118	5.489	0.16361	2.37708	7 V
K17P58H	16.9	0.15	K20CH	104.753	102.050	337.710	10.033	0.01863	3.11451	3 V
K17QA2Z	16.8	0.15	K20CH	240.167	315.214	11.800	12.730	0.04621	2.93862	4 V
K17QA3A	18.7	0.15	K20CH	16.610	16.582	260.994	5.630	0.12014	2.33517	5 V
K17QA3B	18.7	0.15	K20CH	357.127	275.608	22.386	6.595	0.10246	2.44987	4 V
K17QA3C	16.7	0.15	K20CH	155.049	356.488	67.876	10.155	0.07849	3.10277	7 V
K17QA3D	17.0	0.15	K20CH	324.862	16.654	219.611	9.810	0.04604	3.07514	3 V
K17RC4J	17.6	0.15	K20CH	229.009	101.595	290.852	4.991	0.08363	2.77520	7 V
K17RC4K	17.0	0.15	K20CH	76.998	236.782	250.250	8.654	0.07294	3.13499	5 V
K17RC4L	18.2	0.15	K20CH	18.522	234.351	350.869	11.404	0.14587	2.68677	3 V
K17SJ5C	19.1	0.15	K20CH	26.630	27.527	355.800	18.839	0.08845	1.97304	3 X
K17SM6V	17.3	0.15	K20CH	148.395	300.915	158.219	10.761	0.20350	3.11420	5 V
K17SM6W	17.8	0.15	K20CH	18.209	192.629	59.938	13.527	0.06641	2.70644	3 V
K17SM6X	18.0	0.15	K20CH	79.877	28.298	171.853	15.845	0.08328	2.60742	3 V
K17SM6Y	18.2	0.15	K20CH	87.424	24.524	168.599	9.510	0.10000	2.56962	6 V
K17SM6Z	16.7	0.15	K20CH	86.057	117.521	19.434	18.439	0.10494	3.14584	3 V
K17SM7A	19.4	0.15	K20CH	48.727	247.024	82.720	3.011	0.16962	2.12842	3 V
K17SM7B	17.1	0.15	K20CH	199.116	357.009	77.397	9.018	0.19076	2.77526	5 V
K17SM7C	17.1	0.15	K20CH	329.602	259.443	1.194	9.360	0.02143	3.07105	4 V
K17SM7D	18.3	0.15	K20CH	32.671	45.011	215.981	2.692	0.12423	2.53179	7 V
K17SM7E	16.8	0.15	K20CH	1.313	343.586	274.614	8.033	0.07077	2.72510	7 V
K17SM7F	17.2	0.15	K20CH	148.305	343.865	124.161	10.575	0.12554	3.13155	3 V
K17SM7G	16.7	0.15	K20CH	132.735	261.405	206.787	24.576	0.18575	3.19479	3 V
K17T31F	19.7	0.15	K20CH	66.441	116.839	187.574	2.282	0.14771	2.15238	3 V
K17T31G	18.1	0.15	K20CH	312.914	237.225	99.761	4.523	0.14407	2.63999	3 V
K17UC2E	16.9	0.15	K20CH	112.811	97.251	46.953	9.375	0.03057	3.20398	5 V
K17UC2F	17.4	0.15	K20CH	323.278	241.346	69.171	14.586	0.08158	2.94210	4 V
K17UC2G	16.9	0.15	K20CH	72.406	322.147	235.761	19.886	0.04835	3.11449	3 V
K17UC2H	19.3	0.15	K20CH	355.076	8.955	19.868	2.947	0.10302	2.19879	3 V
K17UC2J	18.2	0.15	K20CH	347.255	348.703	326.647	1.645	0.15052	2.60127	3 V

K17UC2K	17.0	0.15	K20CH	61.869	284.321	281.572	3.106	0.08859	3.05474	5 V
K17UC2L	17.2	0.15	K20CH	73.053	134.273	51.467	5.906	0.05769	3.08826	5 V
K17UC2M	17.6	0.15	K20CH	229.137	350.986	101.805	15.840	0.06412	2.55702	4 V
K17UC2N	16.7	0.15	K20CH	133.433	315.162	175.089	21.947	0.08772	3.24967	4 V
K17UC2O	17.8	0.15	K20CH	348.240	323.810	336.736	5.319	0.17202	2.53089	4 V
K17UC2P	17.9	0.15	K20CH	323.678	248.877	87.826	3.061	0.17436	2.56943	5 V
K17UC2Q	18.0	0.15	K20CH	322.726	233.957	108.869	17.684	0.18887	2.55459	3 V
K17V12T	20.4	0.15	K20CH	327.456	142.922	18.713	6.568	0.47259	1.32143	4 X
K17V46O	17.3	0.15	K20CH	326.920	254.000	57.494	9.626	0.15620	2.74744	4 V
K17W16J	24.5	0.15	K20CH	205.329	186.585	58.998	5.716	0.21429	0.82254	2 X
K17W53X	17.0	0.15	K20CH	189.222	289.506	157.125	9.934	0.02374	3.06734	4 V
K17W53Y	17.5	0.15	K20CH	314.186	268.153	66.682	12.333	0.10703	2.72238	5 V
K17W53Z	19.2	0.15	K20CH	22.708	9.657	346.868	6.869	0.13738	2.21945	3 V
K17W54A	16.8	0.15	K20CH	75.832	112.462	70.475	10.619	0.02163	3.24289	4 V
K17W54B	16.8	0.15	K20CH	1.084	193.323	60.280	9.968	0.03214	3.18774	3 V
K17W54C	17.4	0.15	K20CH	300.652	247.058	94.127	6.563	0.11924	2.77358	5 V
K17W54D	17.8	0.15	K20CH	346.065	196.594	114.188	5.523	0.16599	2.63413	3 V
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
K18N23F	13.9	0.15	K20CH	292.229	198.483	265.025	24.503	0.02322	5.24890	6 X
K18R02R	11.8	0.15	K20CH	5.038	7.665	1.448	40.215	0.64286	21.53181	4 X
K19A44W	18.4	0.15	K20CH	303.494	114.092	3.792	20.940	0.07879	1.86746	2 X
K19F08N	15.3	0.15	K20CH	46.178	319.626	33.124	25.351	0.22309	2.33598	2 X
K19F20Y	19.1	0.15	K20CH	20.002	29.809	6.191	19.557	0.09093	1.93299	4 X
K19F21K	17.2	0.15	K20CH	65.241	317.870	348.817	14.708	0.36054	2.71111	2 X
K19G33E	13.8	0.15	K20CH	8.986	132.445	235.334	15.500	0.24034	2.75617	6 X
K19G34V	13.7	0.15	K20CH	349.583	113.823	241.672	15.255	0.15955	3.19348	2 X
K19L02D	11.9	0.15	K20CH	20.572	123.319	179.627	11.579	0.13248	5.27679	3 X
K19N38U	16.6	0.15	K20CH	6.879	108.681	294.687	14.860	0.06947	3.16329	6 X
K19Q40T	13.9	0.15	K20CH	336.646	161.034	256.324	31.488	0.04367	5.15943	4 X
K19R02J	13.6	0.15	K20CH	14.961	48.345	298.551	23.117	0.48039	9.76198	3 X
K19R08E	16.1	0.15	K20CH	8.946	118.827	334.145	15.929	0.21271	3.13517	5 X
K20O30J	18.1	0.15	K20CH	17.231	67.649	317.843	14.051	0.27660	2.70949	4 X
K20Q47W	17.9	0.15	K20CH	357.817	69.156	356.424	10.918	0.27891	2.65194	5 X
K20S07X	19.3	0.15	K20CH	7.460	77.531	334.927	6.800	0.32858	2.38164	3 X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K16T18B	24.8	0.15	K20CH	157.448	305.649	190.318	1.527	0.08425	1.07753	196 X	
K20G08Z	18.0	0.15	K20CH	29.903	252.872	337.645	2.599	0.13300	2.54827	25 V	
K20K03O	20.1	0.15	K20CH	54.573	213.385	122.412	11.795	0.50436	1.86568	184 X	
K20O08C	20.8	0.15	K20CH	16.559	198.926	195.986	4.858	0.43812	1.91309	169 X	
K20P05C	18.5	0.15	K20CH	0.520	228.645	195.885	16.985	0.54465	2.70422	110 X	
K20Q04M	18.6	0.15	K20CH	49.144	297.627	22.955	23.420	0.44595	2.11616	104 X	
K20Q07Z	20.5	0.15	K20CH	2.642	131.835	294.008	5.716	0.50291	2.68007	100 X	
K20Q47O	18.2	0.15	K20CH	27.806	45.588	325.483	12.285	0.27778	2.59235	97 X	
K20S01C	21.2	0.15	K20CH	0.986	152.975	281.660	5.050	0.46297	2.29447	79 X	
K20S07Z	17.8	0.15	K20CH	12.488	67.869	324.989	11.598	0.27580	2.70477	74 X	
K20S13N	18.2	0.15	K20CH	26.765	59.203	315.088	14.412	0.14969	2.54351	75 X	
K20S15V	17.1	0.15	K20CH	12.132	149.408	235.352	15.497	0.23809	3.22144	32 V	
K20S25U	18.6	0.15	K20CH	29.947	13.327	348.455	13.262	0.31315	2.61943	70 X	
K20T03G	22.5	0.15	K20CH	3.102	201.765	229.546	9.108	0.61966	2.84540	57 X	
K20T07C	19.6	0.15	K20CH	341.727	7.135	166.504	17.486	0.80268	1.98792	49 X	
K20T10L	22.6	0.15	K20CH	349.538	61.334	53.766	17.522	0.46757	1.73240	49 X	
K20T12B	21.6	0.15	K20CH	347.194	353.961	126.827	8.915	0.51978	2.02757	48 X	
K20U01L	20.1	0.15	K20CH	337.862	335.171	193.364	16.658	0.69508	1.76945	54 X	
K20U02N	22.5	0.15	K20CH	358.207	43.386	44.500	8.786	0.53648	2.44810	47 X	
K20U07F	24.7	0.15	K20CH	337.548	297.754	171.171	1.970	0.09373	1.12334	74 X	
K20U07O	17.7	0.15	K20CH	10.436	9.664	83.274	35.836	0.25156	2.57885	43 X	
K20V01K	24.0	0.15	K20CH	347.025	46.257	61.561	11.817	0.30416	1.43552	24 X	
K20V01X	22.8	0.15	K20CH	10.991	180.384	211.744	4.048	0.58888	2.51106	22 X	
K20V01Y	26.0	0.15	K20CH	356.957	226.239	225.122	2.807	0.33557	1.49695	22 X	
K20V03M	20.8	0.15	K20CH	11.449	136.486	291.880	13.462	0.31135	1.77198	22 X	
K20V04U	24.2	0.15	K20CH	5.502	29.391	38.503	3.720	0.44861	1.94957	27 X	
K20V05X	23.4	0.15	K20CH	73.353	312.410	24.591	3.861	0.23807	1.14190	19 X	
K20V06M	22.8	0.15	K20CH	269.446	336.341	224.857	13.993	0.31457	1.02689	19 X	
K20V06Z	25.0	0.15	K20CH	356.512	223.998	238.176	0.484	0.53278	2.00889	18 X	
K20W00G	21.6	0.15	K20CH	12.788	348.753	32.830	7.604	0.59842	2.49858	16 X	
K20W00O	25.8	0.15	K20CH	352.044	99.849	5.002	1.668	0.35344	1.46536	16 X	
K20W00S	20.0	0.15	K20CH	343.472	69.273	50.273	26.987	0.54006	2.67930	66 X	
K20W00V	23.9	0.15	K20CH	336.106	62.774	60.335	26.993	0.26268	1.37350	18 X	
K20W01D	23.7	0.15	K20CH	326.956	338.990	144.930	3.428	0.13608	1.22363	16 X	
K20W01E	22.3	0.15	K20CH	352.492	89.724	75.525	9.394	0.81731	2.44934	16 X	
K20W01L	20.0	0.15	K20CH	24.888	294.409	121.039	6.673	0.34122	1.88372	16 X	
K20W01Q	22.8	0.15	K20CH	351.265	312.949	178.058	4.475	0.61309	2.39722	18 X	
K20W02E	21.9	0.15	K20CH	351.535	46.503	57.293	34.371	0.41448	1.71173	21 X	
K20W02F	22.1	0.15	K20CH	2.934	7.725	55.853	24.819	0.57493	2.69648	13 X	
K20W02S	24.6	0.15	K20CH	358.332	11.688	89.048	4.507	0.65928	2.79519	12 X	
K20W02T	21.1	0.15	K20CH	342.972	224.164	263.265	23.087	0.30789	1.34632	12 X	
K20W03B	20.3	0.15	K20CH	10.116	29.098	5.792	20.711	0.62369	2.53786	11 X	
K20W03C	22.4	0.15	K20CH	355.535	193.111	252.970	16.828	0.19388	1.39997	11 X	
K20W03E	25.4	0.15	K20CH	4.805	188.529	247.450	12.694	0.28929	1.47814	11 X	
K20W03O	23.2	0.15	K20CH	236.840	348.663	244.976	27.636	0.47755	0.75041	22 X	
K20W03Q	25.7	0.15	K20CH	8.998	16.469	57.453	3.019	0.19254	1.25913	24 X	
K20W03Z	26.2	0.15	K20CH	99.533	86.215	238.872	6.683	0.16734	1.04519	9 X	
K20W04E	23.5	0.15	K20CH	2.505	199.533	243.330	26.076	0.24482	1.42851	9 X	
K20W04P	22.1	0.15	K20CH	28.762	323.630	42.624	10.060	0.49496	1.74828	9 X	
K20W04T	27.7	0.15	K20CH	200.485	169.737	77.397	0.800	0.17206	0.86812	8 X	
K20W04Z	24.4	0.15	K20CH	76.347	94.364	232.272	6.140	0.33965	1.12109	15 X	
K20W05D	21.9	0.15	K20CH	348.483	110.270	76.537	26.633	0.80906	1.82647	13 X	
K20W05L	21.3	0.15	K20CH	16.089	334.354	29.902	16.994	0.62633	2.45804	4 X	
K20W05M	21.4	0.15	K20CH	10.745	316.304	67.090	15.542	0.69885	2.78825	4 X	
K20W05O	19.6	0.15	K20CH	6.586	328.202	94.479	36.652	0.39083	2.27619	4 V	

K20W05P	18.3	0.15	K20CH	31.632	247.827	132.237	30.453	0.36615	2.59043	4	V
K20W05Q	18.5	0.15	K20CH	52.375	127.860	241.408	29.565	0.41796	2.56298	5	V
K20W05R	20.6	0.15	K20CH	342.500	359.184	162.608	25.659	0.55978	1.73128	5	V

New observations:

K00P27Q	C2020	12	01.40985	01	44	00.156+31	43	24.94	21.3	zUEX003F51
K00P27Q	C2020	12	01.41591	01	44	00.594+31	43	21.60	21.2	zUEX003F51
K00P27Q	C2020	12	01.42196	01	44	01.057+31	43	18.31	21.1	zUEX003F51
K00P27Q	C2020	12	01.42802	01	44	01.495+31	43	15.09	21.1	zUEX003F51
K02G08Z	C2020	11	30.83773207	00	45	92 +54	16	01.8	15.6	GVEX003L54
K02G08Z	C2020	11	30.84434707	00	50	77 +54	16	06.5	16.4	GVEX003L54
K02G08Z	C2020	11	30.85177707	00	56	17 +54	16	11.9	16.3	GVEX003L54
K02G08Z	C2020	11	30.85920907	01	01	60 +54	16	16.9	16.1	GVEX003L54
K02G08Z	C2020	11	30.86746407	01	07	60 +54	16	22.5	16.2	GVEX003L54
K02G08Z	C2020	11	30.87490007	01	13	01 +54	16	27.6	16.0	GVEX003L54
K02G08Z	C2020	11	30.88317807	01	19	05 +54	16	33.5	16.6	GVEX003L54
K02G08Z	C2020	11	30.89059807	01	24	37 +54	16	37.9	16.4	GVEX003L54
K02G08Z	C2020	11	30.89885307	01	30	39 +54	16	43.3	16.6	GVEX003L54
K02G08Z	C2020	11	30.90629207	01	35	77 +54	16	48.3	16.4	GVEX003L54
K02G08Z	C2020	11	30.91371907	01	41	15 +54	16	52.9	16.2	GVEX003L54
K02G08Z	C2020	11	30.92115407	01	46	53 +54	16	57.3	16.4	GVEX003L54
K02G08Z	C2020	11	30.92858707	01	51	91 +54	17	02.1	16.3	GVEX003L54
K02G08Z	C2020	11	30.93600507	01	57	29 +54	17	06.8	16.8	GVEX003L54
K02G08Z	C2020	11	30.94343407	02	02	65 +54	17	11.2	16.3	GVEX003L54
K02G08Z	C2020	11	30.95003307	02	07	45 +54	17	14.5	16.1	GVEX003L54
K02G08Z	C2020	11	30.95663907	02	12	23 +54	17	19.2	16.3	GVEX003L54
K02G08Z	C2020	11	30.95746807	02	12	84 +54	17	20.0	16.2	GVEX003L54
K02G08Z	C2020	12	01.40287407	07	49	89 +54	20	39.3	16.29	oVEX003T05
K02G08Z	C2020	12	01.40793507	07	53	60 +54	20	42.0	16.16	oVEX003T05
K02G08Z	C2020	12	01.40978707	07	54	98 +54	20	43.0	16.28	oVEX003T05
K02G08Z	C2020	12	01.42311807	08	04	75 +54	20	50.0	16.33	oVEX003T05
K02G08Z	C2020	12	01.87683	07	13	53.55 +54	22	23.7	16.0	RoEX003K88
K02G08Z	C2020	12	01.87785	07	13	54.34 +54	22	24.2	16.1	RoEX003K88
K02G08Z	C2020	12	01.87887	07	13	55.12 +54	22	24.3	16.1	RoEX003K88
K02G08Z	C2020	12	01.87989	07	13	55.92 +54	22	24.8	16.0	RoEX003K88
K02G08Z	C2020	12	01.88091	07	13	56.69 +54	22	25.1	16.0	RoEX003K88
K02G08Z	C2020	12	01.88193	07	13	57.47 +54	22	25.6	16.1	RoEX003K88
K02G08Z	C2020	12	01.88295	07	13	58.24 +54	22	25.9	16.1	RoEX003K88
K02G08Z	C2020	12	01.88397	07	13	59.04 +54	22	26.3	15.9	RoEX003K88
K02G08Z	C2020	12	01.88499	07	13	59.77 +54	22	26.7	16.0	RoEX003K88
K02G08Z	C2020	12	01.88601	07	14	00.58 +54	22	27.0	16.0	RoEX003K88
K02G08Z	C2020	12	01.88703	07	14	01.36 +54	22	27.2	16.1	RoEX003K88
K02G08Z	C2020	12	01.88805	07	14	02.13 +54	22	27.8	16.1	RoEX003K88
K02L03G	C2020	11	26.52747710	48	56	59 -14	11	41.2	20.40	GVEX003G96
K02L03G	C2020	11	26.53182510	48	54	96 -14	11	34.4	20.14	GVEX003G96
K02L03G	C2020	11	26.53618010	48	53	33 -14	11	28.1	20.15	GVEX003G96
K02L03G	C2020	11	26.54052310	48	51	69 -14	11	21.4	19.88	GVEX003G96
K02L03G	HC2020	11	26.54765710	48	48	98 -14	11	10.2	20.40	GVEX003G96
K02L03G	HC2020	11	26.54794710	48	48	94 -14	11	09.9	20.43	GVEX003G96
K02L03G	HC2020	11	26.54823710	48	48	80 -14	11	09.9	20.35	GVEX003G96
K02L03G	mc2020	11	28.54436710	36	56	83 -13	20	07.3	20.11	GVEX003G96
K02L03G	mc2020	11	28.54477310	36	56	68 -13	20	07.0	20.11	GVEX003G96
K02L03G	mc2020	11	28.54685910	36	55	93 -13	20	03.6	20.29	GVEX003G96
K02L03G	KC2020	11	29.46128010	31	39	99 -12	56	33.1	19.92	GVEX003I52
K02L03G	KC2020	11	29.46306110	31	39	37 -12	56	30.7	19.93	GVEX003I52
K02L03G	KC2020	11	29.46484210	31	38	76 -12	56	27.5	20.14	GVEX003I52
K02L03G	KC2020	11	29.46662210	31	38	13 -12	56	24.9	19.63	GVEX003I52
K02L03G	IC2020	12	01.09041510	22	28	86 -12	14	35.2	19.9	GVEX003L01
K02L03G	pc2020	12	01.09387810	22	27	66 -12	14	30.1	20.0	GVEX003L01
K02L03G	pc2020	12	01.10427410	22	24	13 -12	14	13.9	20.0	GVEX003L01
K02L03G	pc2020	12	01.10849210	22	22	69 -12	14	07.2	20.0	GVEX003L01
K02L03G	pc2020	12	01.11271010	22	21	28 -12	14	01.4	19.7	GVEX003L01
K02L03G	pc2020	12	01.11617510	22	20	09 -12	13	55.5	19.8	GVEX003L01
K02L03G	pc2020	12	01.11963210	22	18	90 -12	13	50.2	20.0	GVEX003L01
K02L03G	C2020	12	01.28124	10	21	25.83 -12	09	04.8	20.1	GVEX003807
K02L03G	C2020	12	01.28533	10	21	24.44 -12	08	58.6	20.1	GVEX003807
K02L03G	C2020	12	01.28943	10	21	23.05 -12	08	52.3	20.1	GVEX003807
K02L03G	KC2020	12	02.45666810	14	58	42 -11	39	05.7	19.70	GVEX003I52
K02L03G	KC2020	12	02.45765410	14	58	03 -11	39	05.0	20.35	GVEX003I52
K02L03G	KC2020	12	02.45962810	14	57	35 -11	39	02.3	19.90	GVEX003I52
K04A00C	C2020	12	01.51798409	45	48	24 +54	55	13.6	18.51	oVEX003T05
K04A00C	C2020	12	01.51983209	45	49	73 +54	55	15.5	18.54	oVEX003T05
K04A00C	C2020	12	01.52307309	45	52	08 +54	55	19.5	18.53	oVEX003T05
K04A00C	C2020	12	01.53317309	45	59	60 +54	55	34.2	18.10	oVEX003T05
K14M55K	KC2017	04	17.30449	13	28	47.70 -04	40	52.6		oEX003291
K14M55K	KC2017	04	17.33301	13	28	44.61 -04	40	32.0		oEX003291
K14M55K	KC2017	04	19.31359	13	25	17.87 -04	16	46.9		oEX003291
K14M55K	KC2017	04	19.32784	13	25	16.32 -04	16	36.7		oEX003291
K16T18B	KC2017	04	17.15790	08	54	14.43 +20	21	03.5	22.0	RoEX003291
K16T18B	KC2017	04	17.16611	08	54	17.15 +20	20	58.0	22.8	RoEX003291
K17V12T	C2020	12	01.30629800	33	32	41 +43	03	34.8	17.80	oVEX003T05
K17V12T	C2020	12	01.30950200	33	30	00 +43	03	35.1	18.15	oVEX003T05
K17V12T	C2020	12	01.31549300	33	25	54 +43	03	35.9	17.66	oVEX003T05
K17V12T	C2020	12	01.32785000	33	16	18 +43	03	38.6	17.84	oVEX003T05
K17W16J	C2020	12	01.29117023	59	17	49 +49	21	50.3	18.14	oVEX003T05
K17W16J	C2020	12	01.29437823	59	13	30 +49	21	23.7	18.87	oVEX003T05
K17W16J	C2020	12	01.30401223	59	00	71 +49	20	01.1	17.81	oVEX003T05
K17W16J	C2020	12	01.31823823	58	42	33 +49	17	58.3	18.76	oVEX003T05
K17W16J	KC2020	12	02.01549	23	47	30.78 +47	49	08.1	18.3	GVEX003W46
K17W16J	KC2020	12	02.01939	23	47	26.58 +47	48	40.0	18.7	GVEX003W46
K17W16J	KC2020	12	02.02289	23	47	22.86 +47	48	14.7	18.4	GVEX003W46
K20K030	!C2020	11	19.11804007	14	09	42 +05	15	39.1	21.6	GVEX003J04
K20K030	!C2020	11	19.13568507	14	08	30 +05	15	44.1	21.8	GVEX003J04

K20008C	C2020	12	01.42860602	36	48.66	-10	13	43.9	18.41oVEX003T08
K20008C	C2020	12	01.43874802	36	51.40	-10	13	26.4	18.16oVEX003T08
K20008C	C2020	12	01.44197402	36	52.32	-10	13	21.7	18.31oVEX003T08
K20008C	C2020	12	01.44750502	36	53.80	-10	13	11.7	18.35oVEX003T08
K20P05C	KC2020	12	02.15228601	05	05.46	-23	33	44.1	19.10GVEX003I52
K20P05C	KC2020	12	02.15493301	05	05.85	-23	33	45.6	19.33GVEX003I52
K20P05C	KC2020	12	02.15758101	05	06.28	-23	33	47.1	18.94GVEX003I52
K20P05C	KC2020	12	02.16023101	05	06.68	-23	33	47.8	18.11GVEX003I52
K20Q04M	C2020	12	01.37282	01	24	57.788+35	26	58.32	20.4 zUEX003F51
K20Q04M	C2020	12	01.38349	01	24	57.472+35	26	58.14	20.4 zUEX003F51
K20Q04M	C2020	12	01.39413	01	24	57.192+35	26	58.00	20.5 zUEX003F51
K20Q04M	C2020	12	01.40473	01	24	56.895+35	26	57.58	20.8 zUEX003F51
K20S000	C2020	11	30.96076	07	40	25.80	+32	17	13.3 GVEX003970
K20S000	C2020	11	30.96153	07	40	46.92	+32	17	13.0 GVEX003970
K20S000	C2020	11	30.96185	07	40	55.94	+32	18	12.8 GVEX003970
K20S000	C2020	12	01.02148	08	11	17.56	+32	29	14.4 GVEX003970
K20S000	C2020	12	01.02179	08	11	28.25	+32	29	14.2 GVEX003970
K20S01C	C2020	12	01.44985	02	31	57.435+29	31	00.32	20.1 zUEX003F51
K20S01C	C2020	12	01.46050	02	31	58.384+29	30	53.02	20.3 zUEX003F51
K20S01C	C2020	12	01.47114	02	31	59.350+29	30	45.72	19.9 zUEX003F51
K20S01C	C2020	12	01.48176	02	32	00.346+29	30	38.11	19.9 zUEX003F51
K20S01C	KC2020	12	02.37438702	33	32.43	+29	20	59.9	19.63GVEX003I52
K20S01C	KC2020	12	02.37922502	33	32.90	+29	20	56.7	19.59GVEX003I52
K20S01C	KC2020	12	02.38406202	33	33.39	+29	20	53.6	19.77GVEX003I52
K20S01C	KC2020	12	02.38890102	33	33.82	+29	20	50.2	19.24GVEX003I52
K20T03G	KC2020	12	02.41135605	40	40.76	-10	30	38.2	18.96GVEX003I52
K20T03G	KC2020	12	02.41192605	40	41.02	-10	30	40.1	19.46GVEX003I52
K20T03G	KC2020	12	02.41249205	40	41.25	-10	30	43.1	20.74GVEX003I52
K20T03G	KC2020	12	02.41305805	40	41.45	-10	30	44.5	19.27GVEX003I52
K20T07C	KC2020	12	02.14877401	00	58.35	-30	02	40.7	21.56GVEX003I52
K20T07C	KC2020	12	02.15087601	00	57.93	-30	02	43.4	20.97GVEX003I52
K20T10L	KC2020	12	02.10587423	24	34.10	+37	56	05.3	19.94GVEX003I52
K20T10L	KC2020	12	02.10713423	24	33.02	+37	56	15.1	19.64GVEX003I52
K20T10L	KC2020	12	02.10839423	24	31.86	+37	56	24.2	19.97GVEX003I52
K20T10L	KC2020	12	02.10965623	24	30.74	+37	56	33.6	19.70GVEX003I52
K20T12B	KC2020	12	02.24779102	31	46.25	-24	12	53.8	20.39GVEX003I52
K20T12B	KC2020	12	02.24989502	31	46.07	-24	12	55.4	20.64GVEX003I52
K20T12B	KC2020	12	02.25410002	31	45.72	-24	12	58.5	20.28GVEX003I52
K20U01L	KC2020	12	02.15360701	37	53.26	-26	45	39.2	19.12GVEX003I52
K20U01L	KC2020	12	02.15890501	37	51.99	-26	45	52.1	21.01GVEX003I52
K20U01L	KC2020	12	02.16154701	37	51.44	-26	45	58.1	20.47GVEX003I52
K20U02N	KC2020	12	02.36744802	20	00.97	+34	11	41.0	VEX003I52
K20U02N	KC2020	12	02.36923002	20	00.91	+34	11	45.7	19.96GVEX003I52
K20U02N	KC2020	12	02.37101102	20	00.98	+34	11	51.5	20.52GVEX003I52
K20U02N	KC2020	12	02.37279402	20	00.89	+34	11	57.6	19.92GVEX003I52
K20U07F	KC2020	12	02.23763302	17	44.35	-13	32	29.8	VEX003I52
K20U07F	KC2020	12	02.24557902	17	44.09	-13	32	31.2	VEX003I52
K20V01K	KC2020	12	02.12486101	37	35.20	+24	15	23.5	20.30GVEX003I52
K20V01K	KC2020	12	02.12609901	37	34.79	+24	15	34.0	20.39GVEX003I52
K20V01K	KC2020	12	02.12733301	37	34.33	+24	15	42.7	20.31GVEX003I52
K20V01K	KC2020	12	02.12856601	37	33.85	+24	15	53.4	20.27GVEX003I52
K20V01X	KC2020	12	02.29066402	22	12.17	-03	59	23.2	19.54GVEX003I52
K20V01X	KC2020	12	02.29234702	22	12.95	-03	59	19.5	19.62GVEX003I52
K20V01X	KC2020	12	02.29402902	22	13.73	-03	59	15.8	20.56GVEX003I52
K20V01X	KC2020	12	02.29571002	22	14.52	-03	59	11.5	19.81GVEX003I52
K20V01Y	KC2020	12	02.16425601	44	37.82	-13	54	01.2	20.59GVEX003I52
K20V01Y	KC2020	12	02.17659301	44	40.78	-13	55	13.4	20.46GVEX003I52
K20V01Y	KC2020	12	02.18332501	44	42.40	-13	55	53.0	20.38GVEX003I52
K20V03M	KC2020	12	02.44564308	08	13.78	+48	49	24.0	20.33GVEX003I52
K20V03M	KC2020	12	02.44774708	08	13.81	+48	49	20.5	20.22GVEX003I52
K20V03M	KC2020	12	02.44985108	08	13.81	+48	49	17.0	19.93GVEX003I52
K20V03M	KC2020	12	02.45195408	08	13.84	+48	49	13.8	20.08GVEX003I52
K20V04U	KC2020	12	02.26894002	35	05.67	+36	23	50.2	20.46GVEX003I52
K20V04U	KC2020	12	02.27072002	35	06.32	+36	23	57.1	19.94GVEX003I52
K20V04U	KC2020	12	02.27250202	35	06.84	+36	24	04.0	20.21GVEX003I52
K20V04U	KC2020	12	02.27428502	35	07.38	+36	24	10.6	20.14GVEX003I52
K20V05X	KC2020	12	02.11116300	39	44.49	+27	22	06.9	20.32GVEX003I52
K20V05X	KC2020	12	02.11242300	39	44.95	+27	22	08.4	20.06GVEX003I52
K20V05X	KC2020	12	02.11368300	39	45.42	+27	22	10.5	19.72GVEX003I52
K20V05X	KC2020	12	02.11494400	39	45.88	+27	22	11.9	19.99GVEX003I52
K20V06M	KC2020	12	02.34371503	19	43.66	-08	45	02.1	20.24GVEX003I52
K20V06M	KC2020	12	02.34624003	19	43.02	-08	45	11.5	21.13GVEX003I52
K20V06M	KC2020	12	02.35128603	19	41.99	-08	45	30.3	21.22GVEX003I52
K20V06Z	C2020	12	01.44704202	23	31.26	+06	38	16.9	16.38oVEX003T08
K20V06Z	C2020	12	01.45073002	23	35.07	+06	37	28.2	16.13oVEX003T08
K20V06Z	C2020	12	01.45765202	23	42.26	+06	35	56.9	16.44oVEX003T08
K20V06Z	C2020	12	01.47107502	23	56.56	+06	32	57.8	15.77oVEX003T08
K20V06Z	1C2020	12	01.62247	02	28	52.24	+05	51	16.1 GVEX003C40
K20V06Z	1C2020	12	01.65429	02	29	37.97	+05	43	16.2 GVEX003C40
K20V06Z	1C2020	12	01.69697	02	30	39.63	+05	31	16.1 GVEX003C40
K20V06Z	KC2020	12	01.75299602	32	23.28	+05	14	11.7	15.9 GVEX003J95
K20V06Z	KC2020	12	01.75847202	32	32.34	+05	12	35.4	16.1 GVEX003J95
K20V06Z	KC2020	12	01.76608202	32	44.93	+05	10	21.0	16.0 GVEX003J95
K20V06Z	KC2020	12	01.77390502	32	57.93	+05	08	01.2	16.1 GVEX003J95
K20V06Z	KC2020	12	01.78203102	33	11.45	+05	05	35.0	16.0 GVEX003J95
K20V06Z	KC2020	12	01.79002702	33	24.80	+05	03	09.1	16.3 GVEX003J95
K20V06Z	KC2020	12	01.79723802	33	36.89	+05	00	56.6	16.1 GVEX003J95
K20V06Z	C2020	12	01.81536	02	33	53.85	+04	56	15.2 RoEX003K88
K20V06Z	C2020	12	01.81596	02	33	54.81	+04	56	15.6 RoEX003K88
K20V06Z	C2020	12	01.81660	02	33	55.87	+04	55	15.8 RoEX003K88
K20V06Z	C2020	12	01.83049	02	34	18.61	+04	51	15.4 RoEX003K88
K20V06Z	C2020	12	01.83144	02	34	20.17	+04	51	15.7 RoEX003K88
K20V06Z	C2020	12	01.83239	02	34	21.74	+04	50	15.4 RoEX003K88

K20V06Z	C2020	12	01.83334	02	34	23.32	+04	50	25.9	15.9	RoEX003K88	
K20V06Z	C2020	12	01.83428	02	34	24.89	+04	50	07.3	15.4	RoEX003K88	
K20V06Z	C2020	12	01.83523	02	34	26.46	+04	49	48.8	16.0	RoEX003K88	
K20V06Z	C2020	12	01.83618	02	34	28.03	+04	49	30.3	15.3	RoEX003K88	
K20V06Z	C2020	12	01.83713	02	34	29.61	+04	49	11.7	15.5	RoEX003K88	
K20V06Z	C2020	12	01.83808	02	34	31.19	+04	48	53.0	15.4	RoEX003K88	
K20V06Z	C2020	12	01.83903	02	34	32.78	+04	48	34.5	15.6	RoEX003K88	
K20V06Z	C2020	12	01.83998	02	34	34.35	+04	48	15.9	15.4	RoEX003K88	
K20V06Z	C2020	12	01.84093	02	34	35.93	+04	47	57.2	15.5	RoEX003K88	
K20V06Z	C2020	12	02.04412	02	42	36.21	+03	35	32.1	15.4	GVEX003W46	
K20V06Z	C2020	12	02.04425	02	42	36.48	+03	35	28.9	15.5	GVEX003W46	
K20V06Z	C2020	12	02.04447	02	42	36.95	+03	35	23.2	15.4	GVEX003W46	
K20V06Z	KC2020	12	02.31615202	55	05.10	+01	16	54.6		14.72	GVEX003I52	
K20V06Z	KC2020	12	02.31654402	55	06.36	+01	16	40.1		14.85	GVEX003I52	
K20V06Z	KC2020	12	02.31693802	55	07.62	+01	16	25.3		15.44	GVEX003I52	
K20V06Z	KC2020	12	02.31733102	55	08.91	+01	16	10.3		15.20	GVEX003I52	
K20W00G	KC2020	12	02.09114500	40	22.31	+30	07	59.3		19.86	GVEX003I52	
K20W00G	KC2020	12	02.09240600	40	22.90	+30	08	04.3		19.71	GVEX003I52	
K20W00G	KC2020	12	02.09366700	40	23.48	+30	08	08.8		19.64	GVEX003I52	
K20W00G	KC2020	12	02.09492900	40	24.08	+30	08	13.9		19.53	GVEX003I52	
K20W00O	KC2020	12	02.05714322	07	40.33	+68	04	50.8		21.14	GVEX003I52	
K20W00O	KC2020	12	02.05961322	07	29.97	+68	05	15.4		20.25	GVEX003I52	
K20W00S	KC2020	12	02.27694101	36	11.56	+12	53	50.1		20.93	GVEX003I52	
K20W00S	KC2020	12	02.28334001	36	10.94	+12	53	59.5		20.85	GVEX003I52	
K20W00S	KC2020	12	02.28838601	36	10.29	+12	54	07.2		21.56	GVEX003I52	
K20W00V	KC2020	12	02.13105202	14	05.87	+42	37	33.2		20.59	GVEX003I52	
K20W00V	KC2020	12	02.13441402	14	03.49	+42	38	01.2		19.77	GVEX003I52	
K20W00V	KC2020	12	02.13777802	14	01.25	+42	38	30.8		20.73	GVEX003I52	
K20W00V	KC2020	12	02.14114302	13	58.85	+42	38	59.3		19.80	GVEX003I52	
K20W01D	KC2020	12	02.31875603	41	02.31	-06	52	13.5		20.28	GVEX003I52	
K20W01D	KC2020	12	02.32085703	41	02.09	-06	52	13.5		20.70	GVEX003I52	
K20W01D	KC2020	12	02.32827903	41	01.43	-06	52	14.9		20.45	GVEX003I52	
K20W01D	KC2020	12	02.33240003	41	01.06	-06	52	17.1		21.21	GVEX003I52	
K20W01E	KC2020	12	02.08104623	20	08.72	-21	09	42.0		20.22	GVEX003I52	
K20W01E	KC2020	12	02.08252623	20	06.73	-21	09	47.1		20.02	GVEX003I52	
K20W01E	KC2020	12	02.08400523	20	04.74	-21	09	52.8		20.00	GVEX003I52	
K20W01L	KC2020	12	02.42917109	23	04.52	+08	45	10.0		21.19	GVEX003I52	
K20W01L	KC2020	12	02.43852409	23	05.28	+08	45	10.9		19.71	GVEX003I52	
K20W01Q	KC2020	12	02.41603606	01	36.74	-06	27	37.2		19.31	GVEX003I52	
K20W01Q	KC2020	12	02.41957806	01	37.66	-06	27	52.8		20.02	GVEX003I52	
K20W01Q	KC2020	12	02.42313006	01	38.60	-06	28	08.4		20.00	GVEX003I52	
K20W02E	KC2020	12	02.08591623	51	09.59	+36	01	29.1		19.57	GVEX003I52	
K20W02E	KC2020	12	02.08717623	51	08.63	+36	01	39.5		19.69	GVEX003I52	
K20W02E	KC2020	12	02.08843923	51	07.68	+36	01	50.5		19.53	GVEX003I52	
K20W02E	KC2020	12	02.08970023	51	06.72	+36	02	01.2		19.97	GVEX003I52	
K20W02F	KC2020	12	02.11670900	53	49.07	+19	18	13.1		20.14	GVEX003I52	
K20W02F	KC2020	12	02.11881000	53	48.86	+19	18	28.4		19.84	GVEX003I52	
K20W02F	KC2020	12	02.12091200	53	48.72	+19	18	43.7		20.08	GVEX003I52	
K20W02F	KC2020	12	02.12301400	53	48.57	+19	18	59.2		20.37	GVEX003I52	
K20W02S	KC2020	12	02.47539606	49	35.44	-24	22	08.7		18.08	GVEX003I52	
K20W02S	KC2020	12	02.47633806	49	37.89	-24	22	11.9		18.69	GVEX003I52	
K20W02S	KC2020	12	02.47728306	49	40.32	-24	22	14.8		18.78	GVEX003I52	
K20W02T	KC2020	12	02.47970510	42	54.60	+22	15	14.8		18.99	GVEX003I52	
K20W02T	KC2020	12	02.48044510	42	54.76	+22	15	06.4		18.94	GVEX003I52	
K20W02T	KC2020	12	02.48118410	42	54.91	+22	14	57.7		19.04	GVEX003I52	
K20W03B	KC2020	12	02.06961518	51	25.26	+60	32	23.5		19.54	GVEX003I52	
K20W03B	KC2020	12	02.07199018	51	25.10	+60	32	32.0		19.87	GVEX003I52	
K20W03B	KC2020	12	02.07436618	51	24.92	+60	32	40.7		19.88	GVEX003I52	
K20W03B	KC2020	12	02.07674218	51	24.76	+60	32	49.8		19.82	GVEX003I52	
K20W03C	KC2020	12	02.23971502	28	55.54	+28	27	37.6		20.33	GVEX003I52	
K20W03C	KC2020	12	02.24349902	28	55.92	+28	27	14.5		19.83	GVEX003I52	
K20W03E	KC2020	12	02.32271804	06	02.31	+12	31	48.4		19.26	GVEX003I52	
K20W03E	KC2020	12	02.32395304	06	02.75	+12	31	34.5		19.65	GVEX003I52	
K20W03O	KC2020	12	02.31332702	47	43.77	+02	21	15.3		19.11	GVEX003I52	
K20W03O	KC2020	12	02.31406602	47	43.31	+02	21	05.4		18.99	GVEX003I52	
K20W03O	KC2020	12	02.31480502	47	42.83	+02	20	56.0		19.36	GVEX003I52	
K20W03O	KC2020	12	02.31554402	47	42.36	+02	20	46.5		18.77	GVEX003I52	
K20W03Q	KC2020	12	02.43964008	07	19.07	+38	08	53.5		19.61	GVEX003I52	
K20W03Q	KC2020	12	02.44225308	07	20.22	+38	08	57.7		19.79	GVEX003I52	
K20W03Q	KC2020	12	02.44373608	07	20.85	+38	09	01.5		19.36	GVEX003I52	
K20W03Z	KC2020	12	02.16468	04	32	24.85	+04	13	42.3		oEX003291	
K20W03Z	KC2020	12	02.17682	04	32	22.54	+04	13	08.5		21.6	RoEX003291
K20W04E	KC2020	12	02.33445505	50	31.45	-15	15	45.4		19.63	GVEX003I52	
K20W04E	KC2020	12	02.34015205	50	31.27	-15	16	53.6		20.11	GVEX003I52	
K20W04P	KC2020	12	02.22225105	15	43.76	+63	51	39.6		19.12	GVEX003I52	
K20W04P	KC2020	12	02.22388705	15	43.38	+63	51	36.6		19.60	GVEX003I52	
K20W04P	KC2020	12	02.22791305	15	42.60	+63	51	28.2		18.83	GVEX003I52	
K20W04P	KC2020	12	02.22954805	15	42.19	+63	51	24.5		18.96	GVEX003I52	
K20W04T	KC2020	12	02.09553	02	12	20.83	+10	00	28.7		22.4	RoEX003291
K20W04T	KC2020	12	02.11102	02	12	12.24	+10	00	16.1		22.4	RoEX003291
K20W04Z	KC2020	12	02.22520204	40	39.60	+00	43	43.0		20.46	GVEX003I52	
K20W04Z	KC2020	12	02.23086104	40	38.21	+00	43	44.7		20.29	GVEX003I52	
K20W04Z	KC2020	12	02.23348704	40	37.60	+00	43	46.9		20.06	GVEX003I52	
K20W04Z	KC2020	12	02.23527004	40	37.16	+00	43	47.9		20.52	GVEX003I52	
K20W05D	,C2020	12	01.58920	06	27	29.53	-47	01	51.7		19.8	GVEX003E10
K20W05D	,C2020	12	01.58981	06	27	30.00	-47	02	19.0		20.0	GVEX003E10
K20W05D	,C2020	12	01.59042	06	27	30.47	-47	02	47.0		20.0	GVEX003E10
K20W05L	KC2020	12	02.06141823	39	33.36	+46	19	35.7		20.50	GVEX003I52	
K20W05L	KC2020	12	02.06319823	39	34.08	+46	19	41.4		20.49	GVEX003I52	
K20W05L	KC2020	12	02.06498123	39	34.81	+46	19	46.4		21.00	GVEX003I52	
K20W05M	KC2020	12	02.45377610	57	12.17	+32	02	52.6		18.74	GVEX003I52	
K20W05M	KC2020	12	02.45434310	57	11.90	+32	02	58.5		18.27	GVEX003I52	
K20W05M	KC2020	12	02.45490910	57	11.60	+32	03	04.7		18.39	GVEX003I52	

K20W05M	KC2020	12	02.45547310	57	11.31	+32	03	10.4	18.29GVEX003I52
00887	C2020	12	01.29095823	34	17.33	-19	02	01.8	15.58OVEX003T08
00887	C2020	12	01.29649123	34	17.60	-19	01	57.3	15.60OVEX003T08
00887	C2020	12	01.34234923	34	19.84	-19	01	19.1	15.58OVEX003T08
00887	C2020	12	01.34879723	34	20.16	-19	01	13.6	15.58OVEX003T08
01036	C2020	12	01.50028907	19	16.94	-13	14	32.2	12.79OVEX003T08
01036	C2020	12	01.50352607	19	16.78	-13	14	34.4	12.79OVEX003T08
01036	C2020	12	01.50629207	19	16.63	-13	14	36.3	12.77OVEX003T08
01036	C2020	12	01.51136407	19	16.37	-13	14	39.8	12.74OVEX003T08
01685	C2020	12	01.64308312	11	48.85	-07	50	20.2	16.05OVEX003T08
01685	C2020	12	01.65512712	11	50.27	-07	50	35.8	16.00OVEX003T08
01685	C2020	12	01.65973312	11	50.82	-07	50	41.8	15.91OVEX003T08
01943	C2020	12	01.62268811	25	43.98	-05	44	58.1	18.22OVEX003T08
01943	C2020	12	01.62730011	25	44.78	-05	45	04.6	18.04OVEX003T08
01943	C2020	12	01.64494211	25	47.73	-05	45	30.3	17.91OVEX003T08
01943	C2020	12	01.65235311	25	48.99	-05	45	41.4	18.36OVEX003T08
03122	C2020	12	01.62868112	05	20.12	-01	53	34.8	18.57OVEX003T08
03122	C2020	12	01.63383612	05	20.37	-01	53	38.1	18.82OVEX003T08
03122	C2020	12	01.65374812	05	21.44	-01	53	52.4	18.61OVEX003T08
03122	C2020	12	01.65789112	05	21.66	-01	53	55.1	18.82OVEX003T08
04503	C2020	12	01.40922401	09	24.48	+07	13	31.9	17.88OVEX003T08
04503	C2020	12	01.41245101	09	24.42	+07	13	31.8	18.12OVEX003T08
04503	C2020	12	01.43322201	09	23.90	+07	13	31.8	17.82OVEX003T08
04953	KC2020	08	15.12844503	05	56.02	-13	34	11.3	18.9 GVEX003C95
04953	KC2020	08	15.14331003	05	56.86	-13	34	17.9	18.8 GVEX003C95
05587	C2020	12	01.47482603	39	14.04	-01	01	19.7	17.84OVEX003T08
05587	C2020	12	01.47851303	39	13.84	-01	01	20.1	17.86OVEX003T08
05587	C2020	12	01.48703503	39	13.30	-01	01	21.4	17.90OVEX003T08
05587	C2020	12	01.49691203	39	12.78	-01	01	23.6	17.98OVEX003T08
05587	KC2020	12	02.24402103	38	29.42	-01	03	28.3	18.7 VqEX003U55
05587	KC2020	12	02.24907803	38	29.20	-01	03	28.0	18.8 VqEX003U55
06053	C2020	12	01.24204120	40	40.50	+08	59	05.3	16.22OVEX003T08
06053	C2020	12	01.24572620	40	41.19	+08	59	12.6	16.20OVEX003T08
06053	C2020	12	01.25401620	40	42.74	+08	59	29.0	16.29OVEX003T08
06053	C2020	12	01.27062220	40	45.84	+09	00	01.6	16.16OVEX003T08
07753	C2020	11	30.96001308	31	34.85	+18	32	46.8	14.5 GVEX003L54
07753	C2020	11	30.96827508	31	27.93	+18	33	32.1	14.6 GVEX003L54
07753	C2020	11	30.97652208	31	21.09	+18	34	16.8	14.5 GVEX003L54
07753	C2020	11	30.98561508	31	13.57	+18	35	05.9	14.6 GVEX003L54
07753	C2020	11	30.99470808	31	05.99	+18	35	55.2	14.5 GVEX003L54
07753	C2020	12	01.00379208	30	58.48	+18	36	44.1	14.6 GVEX003L54
07753	C2020	12	01.01205308	30	51.58	+18	37	28.5	14.5 GVEX003L54
07753	C2020	12	01.02113008	30	44.02	+18	38	17.2	14.5 GVEX003L54
07753	C2020	12	01.02938008	30	37.16	+18	39	01.3	14.6 GVEX003L54
07753	C2020	12	01.03764108	30	30.22	+18	39	45.2	14.5 GVEX003L54
07753	C2020	12	01.04508008	30	24.08	+18	40	25.0	14.4 GVEX003L54
08567	C2020	12	01.56991209	04	08.80	+05	12	38.3	17.92OVEX003T08
08567	C2020	12	01.57313809	04	08.80	+05	12	37.6	17.82OVEX003T08
08567	C2020	12	01.57596609	04	08.78	+05	12	37.4	17.90OVEX003T08
08567	C2020	12	01.58290509	04	08.77	+05	12	35.9	18.09OVEX003T08
10150	C2020	12	01.53686408	19	49.26	+03	19	27.2	18.55OVEX003T08
10150	C2020	12	01.53870508	19	49.20	+03	19	28.4	18.66OVEX003T08
10150	C2020	12	01.54146808	19	49.05	+03	19	30.9	18.50OVEX003T08
10150	C2020	12	01.54654008	19	48.82	+03	19	35.9	18.50OVEX003T08
21374	C2020	12	01.47813708	24	08.66	+47	51	13.7	17.94OVEX003T05
21374	C2020	12	01.48135308	24	08.77	+47	51	22.5	18.37OVEX003T05
21374	C2020	12	01.48455308	24	08.90	+47	51	30.0	18.06OVEX003T05
21374	C2020	12	01.49285208	24	09.29	+47	51	53.0	18.17OVEX003T05
30825	C2020	12	01.23972621	40	58.95	-09	13	49.5	18.67OVEX003T08
30825	C2020	12	01.24296121	40	59.32	-09	13	48.3	18.36OVEX003T08
30825	C2020	12	01.24987221	41	00.25	-09	13	45.3	18.50OVEX003T08
30825	C2020	12	01.26508121	41	02.18	-09	13	39.2	18.52OVEX003T08
53435	C2020	12	01.45745308	37	46.93	+44	30	47.3	14.77OVEX003T05
53435	C2020	12	01.46391608	37	47.44	+44	30	59.6	14.77OVEX003T05
53435	C2020	12	01.46620808	37	47.62	+44	31	04.0	14.80OVEX003T05
53435	C2020	12	01.47768108	37	48.49	+44	31	25.7	14.84OVEX003T05
65717	C2020	12	01.42814602	32	41.46	-16	10	13.4	17.27OVEX003T08
65717	C2020	12	01.43091602	32	41.48	-16	10	19.2	17.30OVEX003T08
65717	C2020	12	01.43736702	32	41.55	-16	10	33.6	17.34OVEX003T08
65717	C2020	12	01.44796502	32	41.69	-16	10	56.4	17.07OVEX003T08
68359	C2020	12	01.42860602	20	19.71	-06	02	51.9	18.21OVEX003T08
68359	C2020	12	01.42906702	20	19.70	-06	02	51.3	17.70OVEX003T08
68359	C2020	12	01.43874802	20	19.10	-06	02	41.7	18.58OVEX003T08
68359	C2020	12	01.43921002	20	19.05	-06	02	41.3	17.92OVEX003T08
68359	C2020	12	01.44197402	20	18.90	-06	02	39.3	18.23OVEX003T08
86039	C2020	12	01.21160320	22	27.29	-14	50	31.7	17.46OVEX003T08
86039	C2020	12	01.21528920	22	27.86	-14	50	28.6	17.77OVEX003T08
86039	C2020	12	01.22127820	22	28.82	-14	50	23.7	17.83OVEX003T08
86039	C2020	12	01.23143920	22	30.47	-14	50	16.0	17.68OVEX003T08
89355	C2020	12	01.50906108	14	17.43	+12	42	33.4	17.41OVEX003T08
89355	C2020	12	01.51183008	14	17.56	+12	42	35.3	17.36OVEX003T08
89355	C2020	12	01.51460708	14	17.70	+12	42	37.9	17.24OVEX003T08
89355	C2020	12	01.52152708	14	17.97	+12	42	43.1	17.36OVEX003T08
99907	C2020	12	01.27568722	48	25.56	-02	33	07.2	18.74OVEX003T08
99907	C2020	12	01.28125822	48	26.64	-02	33	14.2	18.48OVEX003T08
99907	C2020	12	01.28494722	48	27.34	-02	33	18.1	18.81OVEX003T08
99907	C2020	12	01.34511222	48	38.42	-02	34	32.4	18.13OVEX003T08
99935	C2020	12	01.63690	10	24	35.419+29	39	08.44	18.9 zUEX003F51
99935	C2020	12	01.63850	10	24	35.419+29	39	09.25	18.8 zUEX003F51
99935	C2020	12	01.64467	10	24	35.447+29	39	12.50	18.9 zUEX003F51
99935	C2020	12	01.65089	10	24	35.467+29	39	15.77	18.8 zUEX003F51
D8175	C2020	12	01.50283	08	56	53.979+36	21	02.42	19.8 zUEX003F51
D8175	C2020	12	01.51344	08	56	52.617+36	21	20.22	20.0 zUEX003F51

D8175	C2020	12	01.52406	08	56	51.260+36	21	37.70	20.0	zUEX003F51
D8175	C2020	12	01.53606	08	56	49.677+36	21	58.27	20.2	zUEX003F51
D8852	KC2020	11	30.85036101	15	43.46	+06 28	48.1		18.5	RVEX003160
D8852	KC2020	11	30.85273601	15	43.35	+06 28	58.7		18.2	RVEX003160
D8852	KC2020	11	30.85511201	15	43.14	+06 29	11.8		17.3	RVEX003160
E4411	KC2020	11	30.85902002	07	27.02	+28 09	36.2		17.6	RVEX003160
E4411	KC2020	11	30.86143202	07	26.88	+28 09	32.9		17.5	RVEX003160
E4411	KC2020	11	30.86384702	07	26.80	+28 09	30.5		17.4	RVEX003160
F2978	KC2020	11	30.89131602	29	41.58	+24 52	49.5		16.8	RVEX003160
F2978	KC2020	11	30.89340402	29	41.17	+24 52	55.6		17.4	RVEX003160
F2978	KC2020	11	30.89548802	29	40.75	+24 53	02.6		16.1	RVEX003160
F3201	KC2020	11	28.40849	10	01	50.04	+06 52	14.1	14.9	GVEX003H36
F3201	KC2020	11	28.41035	10	01	39.72	+06 53	22.4	14.9	GVEX003H36
F3201	KC2020	11	28.41219	10	01	29.51	+06 54	29.8	15.0	GVEX003H36
F3201	KC2020	11	28.41402	10	01	19.33	+06 55	37.1	15.0	GVEX003H36
F3201	C2020	11	28.48533609	54	42.79	+07 39	55.5		14.02	RUEX003I41
F3201	C2020	11	28.48568309	54	40.80	+07 40	09.0		14.02	RUEX003I41
F3201	C2020	11	28.50559009	52	46.32	+07 52	32.0		14.61	gUEX003I41
F3201	C2020	11	28.50593809	52	44.29	+07 52	45.4		14.61	gUEX003I41
F3201	C2020	11	28.52277809	51	06.77	+08 03	17.2		15.26	gUEX003I41
F3201	C2020	11	28.52312509	51	04.72	+08 03	30.5		15.26	gUEX003I41
F3201	C2020	11	28.52466409	50	55.82	+08 04	28.0		15.37	gUEX003I41
F3201	C2020	11	28.52501209	50	53.73	+08 04	41.1		15.37	gUEX003I41
F3201	KC2020	11	28.62161	09	41	45.63	+09 04	54.4	15.3	VqEX003Q21
F3201	KC2020	11	28.62308	09	41	37.02	+09 05	50.8	14.6	VqEX003Q21
F3201	KC2020	11	28.62308	09	41	37.12	+09 05	49.0	14.5	VqEX003Q21
F3201	KC2020	11	28.62373	09	41	33.38	+09 06	13.4	14.3	VqEX003Q21
F3201	KC2020	11	28.62661	09	41	16.33	+09 08	02.8	15.0	VqEX003Q21
F3201	C2020	11	29.57764	07	57	33.32	+18 37	39.2	13.6	VqEX003Q21
F3201	C2020	11	29.57806	07	57	30.48	+18 37	51.3	13.6	VqEX003Q21
F3201	C2020	11	29.57848	07	57	27.65	+18 38	04.1	13.6	VqEX003Q21
F3201	C2020	11	29.57888	07	57	24.87	+18 38	16.4	13.6	VqEX003Q21
F3201	C2020	11	29.57929	07	57	22.06	+18 38	28.5	13.7	VqEX003Q21
F3201	C2020	11	29.57971	07	57	19.23	+18 38	41.1	13.6	VqEX003Q21
F3201	C2020	11	29.58013	07	57	16.45	+18 38	53.3	13.7	VqEX003Q21
F3201	C2020	11	29.58054	07	57	13.58	+18 39	05.9	13.6	VqEX003Q21
F3201	C2020	11	29.58095	07	57	10.73	+18 39	18.4	13.8	VqEX003Q21
F3201	C2020	11	29.58137	07	57	07.92	+18 39	31.0	13.6	VqEX003Q21
F3201	C2020	11	29.59630	07	55	26.22	+18 46	56.4	14.1	VqEX003Q21
F3201	C2020	11	29.59707	07	55	20.89	+18 47	19.8	14.1	VqEX003Q21
F3201	C2020	11	29.59786	07	55	15.56	+18 47	42.9	14.1	VqEX003Q21
F3201	C2020	11	29.59863	07	55	10.25	+18 48	06.2	14.1	VqEX003Q21
F3201	C2020	11	29.62969	07	51	38.75	+19 03	14.9	13.1	VqEX003Q21
F3201	C2020	11	29.63007	07	51	36.11	+19 03	25.8	13.1	VqEX003Q21
F3201	C2020	11	29.63046	07	51	33.42	+19 03	37.5	13.1	VqEX003Q21
F3201	C2020	11	29.63086	07	51	30.77	+19 03	48.6	13.1	VqEX003Q21
F3201	C2020	11	29.63124	07	51	28.11	+19 03	59.9	13.1	VqEX003Q21
F3201	C2020	11	29.63163	07	51	25.45	+19 04	11.3	13.1	VqEX003Q21
F3201	C2020	11	29.63242	07	51	20.14	+19 04	33.7	13.0	VqEX003Q21
F3201	C2020	11	29.63319	07	51	14.81	+19 04	56.2	13.0	VqEX003Q21
F3201	C2020	11	29.63398	07	51	09.52	+19 05	18.7	13.0	VqEX003Q21
F3201	C2020	11	29.63476	07	51	04.19	+19 05	41.2	13.0	VqEX003Q21
F3201	C2020	11	29.63554	07	50	58.85	+19 06	04.0	13.0	VqEX003Q21
F3201	C2020	11	29.63632	07	50	53.52	+19 06	26.4	12.9	VqEX003Q21
F3201	C2020	11	29.63711	07	50	48.22	+19 06	48.6	13.0	VqEX003Q21
F3201	C2020	11	29.63770	07	50	44.20	+19 07	05.6	12.9	VqEX003Q21
F3201	C2020	11	29.63808	07	50	41.54	+19 07	16.8	13.0	VqEX003Q21
F3201	C2020	11	29.63847	07	50	38.88	+19 07	28.2	12.9	VqEX003Q21
F3201	C2020	11	29.63887	07	50	36.20	+19 07	39.4	12.9	VqEX003Q21
F3201	C2020	11	29.63926	07	50	33.54	+19 07	50.6	12.9	VqEX003Q21
F3201	C2020	11	29.63965	07	50	30.88	+19 08	01.7	12.9	VqEX003Q21
F3201	C2020	11	29.64003	07	50	28.22	+19 08	13.2	12.9	VqEX003Q21
F3201	C2020	11	29.64043	07	50	25.56	+19 08	24.0	12.9	VqEX003Q21
F3201	C2020	11	29.64082	07	50	22.89	+19 08	35.4	12.9	VqEX003Q21
F3201	C2020	11	29.65753	07	48	29.16	+19 16	30.8	12.9	VqEX003Q21
F3201	C2020	11	29.65793	07	48	26.51	+19 16	42.1	12.9	VqEX003Q21
F3201	C2020	11	29.65831	07	48	23.85	+19 16	52.4	12.9	VqEX003Q21
F3201	C2020	11	29.65870	07	48	21.16	+19 17	03.9	12.9	VqEX003Q21
F3201	C2020	11	29.65910	07	48	18.54	+19 17	15.1	12.9	VqEX003Q21
F3201	C2020	11	29.65948	07	48	15.90	+19 17	26.6	13.0	VqEX003Q21
F3201	C2020	11	29.65987	07	48	13.20	+19 17	37.1	12.9	VqEX003Q21
F3201	C2020	11	29.66027	07	48	10.55	+19 17	48.3	12.9	VqEX003Q21
F3201	C2020	11	29.66066	07	48	07.90	+19 17	59.1	12.9	VqEX003Q21
F3201	C2020	11	29.66104	07	48	05.25	+19 18	09.9	12.9	VqEX003Q21
F3201	C2020	11	29.66144	07	48	02.58	+19 18	21.2	12.9	VqEX003Q21
F3201	C2020	11	29.66183	07	47	59.94	+19 18	32.2	12.9	VqEX003Q21
F3201	C2020	11	29.66222	07	47	57.29	+19 18	43.1	12.9	VqEX003Q21
F3201	C2020	11	29.66260	07	47	54.59	+19 18	54.5	13.0	VqEX003Q21
F3201	C2020	11	29.67378	07	46	38.60	+19 24	07.5	13.2	VqEX003Q21
F3201	C2020	11	29.67418	07	46	35.96	+19 24	17.9	13.2	VqEX003Q21
F3201	C2020	11	29.67457	07	46	33.30	+19 24	28.7	13.2	VqEX003Q21
F3201	C2020	11	29.67536	07	46	27.99	+19 24	50.3	13.3	VqEX003Q21
F3201	C2020	11	29.67574	07	46	25.32	+19 25	01.2	13.2	VqEX003Q21
F3201	C2020	11	29.67613	07	46	22.70	+19 25	11.6	13.2	VqEX003Q21
F3201	C2020	11	29.67653	07	46	20.03	+19 25	23.0	13.3	VqEX003Q21
F3201	C2020	11	29.67692	07	46	17.38	+19 25	34.0	13.3	VqEX003Q21
F3201	C2020	11	29.67730	07	46	14.70	+19 25	45.1	13.3	VqEX003Q21
F3201	C2020	11	29.69407	07	44	20.85	+19 33	27.0	13.7	VqEX003Q21
F3201	C2020	11	29.69447	07	44	18.20	+19 33	37.6	13.8	VqEX003Q21
F3201	C2020	11	29.69486	07	44	15.54	+19 33	48.4	13.7	VqEX003Q21
F3201	C2020	11	29.69525	07	44	12.90	+19 33	58.9	13.8	VqEX003Q21
F3201	C2020	11	29.69564	07	44	10.25	+19 34	09.8	13.7	VqEX003Q21
F3201	C2020	11	29.69603	07	44	07.62	+19 34	20.4	13.7	VqEX003Q21

F3201	C2020	11	29.69642	07	44	04.95	+19	34	31.0	13.7	VqEX003Q21
F3201	C2020	11	29.69682	07	44	02.31	+19	34	41.7	13.7	VqEX003Q21
F3201	C2020	11	29.69720	07	43	59.69	+19	34	51.9	13.8	VqEX003Q21
F3201	C2020	11	29.69759	07	43	57.03	+19	35	03.0	13.7	VqEX003Q21
F3201	C2020	11	29.70068	07	43	36.04	+19	36	27.3	13.7	VqEX003Q21
F3201	C2020	11	29.70108	07	43	33.40	+19	36	38.5	13.7	VqEX003Q21
F3201	C2020	11	29.70147	07	43	30.75	+19	36	48.0	13.7	VqEX003Q21
F3201	C2020	11	29.70186	07	43	28.09	+19	36	59.4	13.7	VqEX003Q21
F3201	C2020	11	29.70225	07	43	25.44	+19	37	09.8	13.8	VqEX003Q21
F3201	C2020	11	29.70264	07	43	22.80	+19	37	20.1	13.7	VqEX003Q21
F3201	C2020	11	29.70303	07	43	20.23	+19	37	31.3	13.7	VqEX003Q21
F3201	C2020	11	29.70343	07	43	17.50	+19	37	42.0	13.8	VqEX003Q21
F3201	C2020	11	29.70381	07	43	14.84	+19	37	52.9	13.7	VqEX003Q21
F3201	C2020	11	29.70420	07	43	12.23	+19	38	02.5	13.7	VqEX003Q21
F3201	C2020	11	29.70523	07	43	05.28	+19	38	30.3	13.7	VqEX003Q21
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F3201	C2020	11	29.70601	07	43	00.00	+19	38	51.4	13.8	VqEX003Q21
F3201	C2020	11	29.70640	07	42	57.32	+19	39	02.4	13.7	VqEX003Q21
F3201	C2020	11	29.70679	07	42	54.69	+19	39	13.5	13.7	VqEX003Q21
F3201	C2020	11	29.70719	07	42	52.04	+19	39	23.3	13.7	VqEX003Q21
F3201	C2020	11	29.70757	07	42	49.40	+19	39	33.9	13.7	VqEX003Q21
F3201	C2020	11	29.70796	07	42	46.74	+19	39	44.3	13.6	VqEX003Q21
F3201	C2020	11	29.70836	07	42	44.11	+19	39	55.3	13.6	VqEX003Q21
F3201	C2020	11	29.70874	07	42	41.47	+19	40	05.4	13.7	VqEX003Q21
F3201	C2020	11	29.70913	07	42	38.79	+19	40	16.1	13.7	VqEX003Q21
F3201	C2020	11	29.70953	07	42	36.18	+19	40	26.9	13.7	VqEX003Q21
F3201	C2020	11	29.70992	07	42	33.56	+19	40	36.9	13.8	VqEX003Q21
F3201	C2020	11	29.71030	07	42	30.89	+19	40	47.5	13.7	VqEX003Q21
F3201	C2020	11	29.71069	07	42	28.23	+19	40	58.2	13.7	VqEX003Q21
F3201	C2020	11	29.71109	07	42	25.60	+19	41	08.5	13.7	VqEX003Q21
F3201	C2020	11	29.71148	07	42	22.99	+19	41	18.8	13.8	VqEX003Q21
F3201	C2020	11	29.71186	07	42	20.32	+19	41	29.5	13.6	VqEX003Q21
F3201	C2020	11	29.71226	07	42	17.70	+19	41	40.3	13.7	VqEX003Q21
F3201	C2020	11	29.71265	07	42	15.05	+19	41	50.6	13.8	VqEX003Q21
F3201	C2020	11	29.72006	07	41	24.90	+19	45	08.2	13.7	VqEX003Q21
F3201	C2020	11	29.72044	07	41	22.26	+19	45	19.3	13.7	VqEX003Q21
F3201	C2020	11	29.72084	07	41	19.64	+19	45	29.8	13.7	VqEX003Q21
F3201	C2020	11	29.72123	07	41	16.98	+19	45	40.1	13.6	VqEX003Q21
F3201	C2020	11	29.72162	07	41	14.34	+19	45	50.7	13.6	VqEX003Q21
F3201	C2020	11	29.72200	07	41	11.71	+19	46	01.1	13.7	VqEX003Q21
F3201	C2020	11	29.72240	07	41	09.06	+19	46	11.6	13.7	VqEX003Q21
F3201	C2020	11	29.72279	07	41	06.44	+19	46	21.6	13.7	VqEX003Q21
F3201	C2020	11	29.72318	07	41	03.78	+19	46	32.1	13.6	VqEX003Q21
F3201	C2020	11	29.72356	07	41	01.15	+19	46	42.6	13.7	VqEX003Q21
F3201	C2020	11	29.72396	07	40	58.53	+19	46	52.2	13.7	VqEX003Q21
F3201	C2020	11	29.72435	07	40	55.86	+19	47	04.2	13.6	VqEX003Q21
F3201	C2020	11	29.72475	07	40	53.23	+19	47	13.8	13.6	VqEX003Q21
F3201	C2020	11	29.72513	07	40	50.58	+19	47	24.4	13.6	VqEX003Q21
F3201	C2020	11	29.72552	07	40	47.96	+19	47	34.6	13.6	VqEX003Q21
F3201	C2020	11	29.72591	07	40	45.31	+19	47	44.9	13.5	VqEX003Q21
F3201	C2020	11	29.72630	07	40	42.68	+19	47	55.4	13.6	VqEX003Q21
F3201	C2020	11	29.72669	07	40	40.03	+19	48	05.5	13.5	VqEX003Q21
F3201	C2020	11	29.72709	07	40	37.41	+19	48	16.0	13.4	VqEX003Q21
F3201	C2020	11	29.72748	07	40	34.76	+19	48	26.4	13.5	VqEX003Q21
F3201	C2020	11	29.72791	07	40	32.02	+19	49	12.4	13.3	VqEX003Q21
F3201	C2020	11	29.72961	07	40	20.38	+19	49	22.7	13.3	VqEX003Q21
F3201	C2020	11	29.72999	07	40	17.73	+19	49	33.1	13.3	VqEX003Q21
F3201	C2020	11	29.73038	07	40	15.10	+19	49	43.4	13.2	VqEX003Q21
F3201	C2020	11	29.73078	07	40	12.48	+19	49	53.7	13.2	VqEX003Q21
F3201	C2020	11	29.73117	07	40	09.83	+19	50	04.0	13.2	VqEX003Q21
F3201	C2020	11	29.73155	07	40	07.20	+19	50	14.6	13.2	VqEX003Q21
F3201	C2020	11	29.73194	07	40	04.56	+19	50	24.5	13.2	VqEX003Q21
F3201	C2020	11	29.73234	07	40	01.93	+19	50	34.8	13.2	VqEX003Q21
F3201	C2020	11	29.73273	07	39	59.27	+19	50	45.3	13.2	VqEX003Q21
F3201	C2020	11	29.73311	07	39	56.66	+19	50	55.4	13.1	VqEX003Q21
F3201	C2020	11	29.73351	07	39	54.01	+19	51	05.7	13.1	VqEX003Q21
F3201	C2020	11	29.73390	07	39	51.38	+19	51	16.0	13.1	VqEX003Q21
F3201	C2020	11	29.73428	07	39	48.75	+19	51	26.4	13.1	VqEX003Q21
F3201	C2020	11	29.73468	07	39	46.11	+19	51	36.6	13.1	VqEX003Q21
F3201	C2020	11	29.73507	07	39	43.46	+19	51	46.0	13.1	VqEX003Q21
F3201	C2020	11	29.73546	07	39	40.85	+19	51	57.1	13.1	VqEX003Q21
F3201	C2020	11	29.73584	07	39	38.20	+19	52	07.5	13.1	VqEX003Q21
F3201	C2020	11	29.73624	07	39	35.57	+19	52	17.8	13.1	VqEX003Q21
F3201	C2020	11	29.73663	07	39	32.91	+19	52	27.8	13.0	VqEX003Q21
F3201	1C2020	11	29.82839	07	29	42.18	+20	29	41.9	13.3	GVEX003C40
F3201	1C2020	11	29.85394	07	26	54.60	+20	40	05.2	13.4	GVEX003C40
F3201	1C2020	11	29.87413	07	24	42.52	+20	48	06.6	13.4	GVEX003C40
F3201	1C2020	11	29.88471	07	23	33.47	+20	52	14.8	13.5	GVEX003C40
F3201	1C2020	11	29.89686	07	22	14.28	+20	56	56.6	13.5	GVEX003C40
F3201	1C2020	11	29.90884	07	20	56.36	+21	01	30.9	13.6	GVEX003C40
F3201	1C2020	11	29.92021	07	19	42.55	+21	05	47.6	13.5	GVEX003C40
F3201	KC2020	11	29.93464707	18	13.66	+21	10	18.0	14.0	GVEX003G33	
F3201	KC2020	11	29.93529407	18	09.49	+21	10	32.6	14.0	GVEX003G33	
F3201	KC2020	11	29.93591207	18	05.53	+21	10	46.5	13.6	GVEX003G33	
F3201	KC2020	11	29.93655907	18	01.41	+21	11	00.5	13.9	GVEX003G33	
F3201	KC2020	11	29.93726407	17	56.87	+21	11	16.3	14.0	GVEX003G33	
F3201	KC2020	11	29.93788207	17	52.91	+21	11	29.7	13.8	GVEX003G33	
F3201	KC2020	11	30.98319905	44	40.89	+24	42	11.1	13.6	GVEX003Z80	
F3201	KC2020	11	30.98754205	44	22.29	+24	42	31.5	13.1	GVEX003Z80	
F3201	KC2020	11	30.99188205	44	03.57	+24	42	51.7	13.7	GVEX003Z80	
F3201	KC2020	11	30.99622205	43	45.08	+24	43	11.9	13.1	GVEX003Z80	
F4302	C2020	11	30.71044100	38	19.29	-17	00	25.9	16.9	GVEX003L54	
F4302	C2020	11	30.71786600	38	18.52	-17	01	01.7	17.0	GVEX003L54	

F4302	C2020	11	30.72528900	38	17.86	-17	01	37.5	17.0	GVEX003L54
F4302	C2020	11	30.73271700	38	17.09	-17	02	12.0	16.8	GVEX003L54
F4302	C2020	11	30.74013600	38	16.42	-17	02	49.6	16.9	GVEX003L54
F4302	C2020	11	30.74826000	38	15.56	-17	03	27.8	16.8	GVEX003L54
F4302	C2020	11	30.75487200	38	14.93	-17	04	00.7	16.8	GVEX003L54
F4302	C2020	11	30.76229600	38	14.15	-17	04	38.3	17.0	GVEX003L54
F4302	C2020	11	30.78618200	38	11.81	-17	06	31.9	17.1	GVEX003L54
F4302	C2020	11	30.79443400	38	10.96	-17	07	12.2	17.2	GVEX003L54
F4302	C2020	11	30.80270900	38	10.18	-17	07	51.9	17.2	GVEX003L54
F4302	C2020	11	30.81098400	38	09.41	-17	08	32.4	17.7	GVEX003L54
F4302	C2020	11	30.81924000	38	08.57	-17	09	10.6	16.4	GVEX003L54
F4302	C2020	11	30.82829600	38	07.77	-17	09	54.0	16.6	GVEX003L54
F4302	C2020	11	30.83325300	38	07.23	-17	10	20.3	16.8	GVEX003L54
F9402	C2020	12	01.51752609	58	04.78	+62	12	09.8	14.66	OVEX003T05
F9402	C2020	12	01.52076209	58	04.30	+62	12	04.5	14.64	OVEX003T05
F9402	C2020	12	01.53133009	58	02.72	+62	11	47.1	14.67	OVEX003T05
F9402	C2020	12	01.53686609	58	01.89	+62	11	38.0	14.65	OVEX003T05
G2173	KC2020	11	30.76805822	51	09.14	+02	42	33.3	17.2	RVEX003160
G2173	KC2020	11	30.77007922	51	09.27	+02	42	25.6	17.1	RVEX003160
G2173	KC2020	11	30.77212222	51	09.41	+02	42	17.3	17.2	RVEX003160
G2173	C2020	12	01.28865622	51	54.77	+02	08	27.7	16.83	OVEX003T08
G2173	C2020	12	01.29234222	51	54.99	+02	08	12.6	16.99	OVEX003T08
G2173	C2020	12	01.34649322	51	58.52	+02	04	33.2	16.91	OVEX003T08
G2173	C2020	12	01.35202522	51	58.92	+02	04	10.8	16.81	OVEX003T08
G3014	C2020	12	01.26415922	44	25.81	-14	41	24.0	18.41	OVEX003T08
G3014	C2020	12	01.26784422	44	26.10	-14	41	16.7	18.09	OVEX003T08
G3014	C2020	12	01.27941622	44	27.11	-14	40	53.4	18.30	OVEX003T08
G3014	C2020	12	01.28079622	44	27.19	-14	40	50.1	18.24	OVEX003T08
G3014	C2020	12	01.28356422	44	27.47	-14	40	45.1	18.15	OVEX003T08
G3014	C2020	12	01.34188722	44	32.53	-14	38	47.6	18.14	OVEX003T08
G3364	KC2020	11	30.91234302	44	34.10	+20	24	58.0	17.3	RVEX003160
G3364	KC2020	11	30.91480602	44	33.68	+20	24	54.9	16.6	RVEX003160
G3364	KC2020	11	30.91700102	44	33.37	+20	24	52.2	15.9	RVEX003160
G3902	C2020	12	01.41163404	53	44.46	+58	51	46.2	16.18	OVEX003T05
G3902	C2020	12	01.41346604	53	44.39	+58	51	42.9	16.25	OVEX003T05
G3902	C2020	12	01.41849404	53	44.11	+58	51	34.3	16.18	OVEX003T05
L6707	C2020	12	01.57458109	08	10.08	-11	29	45.2	18.50	OVEX003T08
L6707	C2020	12	01.57827509	08	10.47	-11	29	42.0	18.36	OVEX003T08
L6707	C2020	12	01.58244509	08	10.89	-11	29	40.2	18.52	OVEX003T08
L6707	C2020	12	01.59517309	08	12.34	-11	29	30.2	18.45	OVEX003T08
S0491	KC2010	03	24.65204719	13	12.462	-10	29	50.14	20.56	GVEX003T12
b8160	C2020	12	01.38978803	46	03.35	+74	38	29.7	18.29	OVEX003T05
b8160	C2020	12	01.39298803	46	01.15	+74	38	25.0	18.16	OVEX003T05
b8160	C2020	12	01.39894003	45	56.81	+74	38	16.7	18.38	OVEX003T05
b8160	C2020	12	01.43378703	45	31.97	+74	37	25.2	18.12	OVEX003T05
b8160	C2020	12	01.43790803	45	29.10	+74	37	19.2	18.32	OVEX003T05
b8160	C2020	12	01.44121403	45	26.77	+74	37	13.8	17.96	OVEX003T05
c0359	C2020	12	01.51249210	12	28.64	+58	53	53.1	18.15	OVEX003T05
c0359	C2020	12	01.51569810	12	29.73	+58	53	54.9	18.29	OVEX003T05
c0359	C2020	12	01.52169910	12	31.70	+58	53	57.8	18.25	OVEX003T05
c0359	C2020	12	01.53178910	12	35.10	+58	54	02.2	18.09	OVEX003T05
g8086	KC2020	11	30.90394002	41	16.59	+39	54	23.7	18.1	RVEX003160
g8086	KC2020	11	30.90627502	41	16.60	+39	54	22.8	17.2	RVEX003160
g8086	KC2020	11	30.90859602	41	16.50	+39	54	19.1	16.2	RVEX003160
i9107	C2020	12	01.54700008	39	53.97	+14	13	11.9	18.31	OVEX003T08
i9107	C2020	12	01.54930308	39	54.50	+14	13	00.7	18.28	OVEX003T08
i9107	C2020	12	01.55345308	39	55.49	+14	12	40.0	18.33	OVEX003T08
i9107	C2020	12	01.56250808	39	57.67	+14	11	55.6	18.33	OVEX003T08
k5749	C2020	12	01.44645208	08	22.75	+32	33	39.8	17.66	OVEX003T05
k5749	C2020	12	01.45653508	08	24.77	+32	34	20.4	17.48	OVEX003T05
k5749	C2020	12	01.46483608	08	26.32	+32	34	55.4	17.76	OVEX003T05
k5749	C2020	12	01.46666608	08	26.73	+32	35	02.5	17.53	OVEX003T05
l4554	C2020	12	01.28911722	29	30.44	+05	53	23.4	18.46	OVEX003T08
l4554	C2020	12	01.29280322	29	31.79	+05	53	28.1	18.44	OVEX003T08
l4554	C2020	12	01.34695422	29	51.17	+05	54	42.6	18.23	OVEX003T08
l4554	C2020	12	01.35248522	29	53.15	+05	54	50.6	18.48	OVEX003T08
l7519	C2010	03	24.60994517	41	23.259	+37	24	10.83	20.76	GVEX003T12
l7519	C2010	03	24.61165617	41	23.391	+37	24	14.42	20.68	GVEX003T12
l7519	C2010	03	24.61337917	41	23.520	+37	24	17.97	20.70	GVEX003T12
m2505	C2020	12	01.40378906	17	43.38	+57	37	31.7	16.43	OVEX003T05
m2505	C2020	12	01.40702106	17	44.02	+57	38	03.3	16.60	OVEX003T05
m2505	C2020	12	01.41070206	17	44.76	+57	38	39.7	16.51	OVEX003T05
m2505	C2020	12	01.42680206	17	47.92	+57	41	18.1	16.59	OVEX003T05
n7094	C2020	12	01.53130108	31	12.01	-03	10	49.0	18.32	OVEX003T08
n7094	C2020	12	01.53502208	31	12.24	-03	10	42.5	18.30	OVEX003T08
n7094	C2020	12	01.54192808	31	12.70	-03	10	30.6	18.25	OVEX003T08
n7094	C2020	12	01.54284908	31	12.75	-03	10	29.1	18.37	OVEX003T08
n7094	C2020	12	01.54469508	31	12.85	-03	10	26.3	18.42	OVEX003T08
n7094	C2020	12	01.55529508	31	13.52	-03	10	06.6	18.34	OVEX003T08

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