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## MPEC 2022-D10 : DAILY ORBIT UPDATE (2022 February 19)

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M.P.E.C. 2022-D10

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DAILY ORBIT UPDATE (2022 February 19)

Update to 2022-D09

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

### New identifications:

K10R67B	K10TM3R	Sarneczky
K15Bm6V	K22A27S	Weryk
K11BB9V	K22A28A	Weryk
K16V04Z	K21W01M	Weryk
K08L02J	K21W04G	Weryk
K21V62J	K10CQ7Q	Weryk
K12F12Z	K22A08Y	Tilley
K20S85K	K13E11J	Weryk
K10L88G	K21S55U	Tilley
K13Q43L	K20RC2G	Weryk
K13G91C	K18D11J	Tilley
K15D66U	K21GG9Q	Tilley
K200A7Q	K21U25Q	Weryk
K19J24W	K20Q86B	Weryk
K04RD3Y	K21U68M	Weryk

### New old-numbered orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
F3591	17.0	0.15	K221L	351.493	173.049	325.752	6.696	0.47977	1.98606	17	V
c5402	17.1	0.15	K221L	359.005	48.185	261.312	51.311	0.88467	2.46139	6	V

### New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
K00J64Y	17.0	0.15	K221L	334.357	56.092	152.100	26.439	0.45105	3.13986	4	X
K01K18Y	18.2	0.15	K221L	350.278	97.577	74.037	19.357	0.59326	3.02898	3	X
K03Uj0G	17.8	0.15	K221L	130.154	16.026	63.043	14.349	0.12746	2.56379	4	V
K04RD3Y	19.2	0.15	K221L	50.794	194.465	153.743	5.230	0.30881	2.59786	2	V
K06Sk0U	18.5	0.15	K221L	105.128	210.904	189.865	14.331	0.29606	2.75972	3	V
K07To4F	19.7	0.15	K221L	281.307	248.973	62.355	5.651	0.56098	3.03086	2	V
K08C13L	17.3	0.15	K221L	274.232	285.345	300.183	11.838	0.07233	2.78565	7	X
K08L02J	20.2	0.15	K221L	239.538	136.236	76.677	32.837	0.19708	1.80735	2	V
K08Ug1R	18.6	0.15	K221L	217.331	83.130	25.096	6.748	0.14208	2.31891	5	V
K08WC1C	17.2	0.15	K221L	141.323	145.735	273.654	26.609	0.18580	3.16738	2	V
K09B580	21.8	0.15	K221L	112.500	207.710	130.708	26.249	0.44989	0.83632	3	X
K09F95K	17.1	0.15	K221L	57.811	191.558	54.742	11.495	0.16171	3.14657	5	V

K09Sg2Z	17.6	0.15	K221L	133.098	326.838	357.829	10.495	0.10382	3.07903	2 V
K10DB5F	17.3	0.15	K221L	44.545	72.445	135.985	18.115	0.07407	3.07418	4 V
K10KC2R	17.6	0.15	K221L	12.305	113.366	225.648	9.081	0.24689	3.16279	4 X
K10L88G	17.0	0.15	K221L	48.944	344.515	332.836	19.034	0.14594	3.11362	3 V
K10LE9D	17.0	0.15	K221L	77.118	35.728	294.311	9.489	0.07139	3.01172	10 X
K10R67B	18.2	0.15	K221L	36.655	255.656	115.970	2.426	0.18511	2.35375	8 V
K10RK3O	17.0	0.15	K221L	354.841	156.405	228.642	9.814	0.09208	3.10728	6 X
K10T17W	17.3	0.15	K221L	103.739	136.084	214.303	11.233	0.05751	2.90101	4 X
K10TE9V	18.7	0.15	K221L	351.126	42.908	78.605	9.793	0.51879	1.69894	6 X
K11BB9V	17.2	0.15	K221L	326.529	220.505	309.439	9.037	0.17770	3.14757	3 V
K11BE8F	18.9	0.15	K221L	161.801	265.435	103.892	7.379	0.13076	2.29659	3 V
K11E26M	18.6	0.15	K221L	73.463	331.100	141.533	7.354	0.13290	2.31785	5 V
K11L00H	19.7	0.15	K221L	13.314	113.065	85.315	37.558	0.45813	1.93026	3 V
K11Um8J	18.4	0.15	K221L	80.771	282.630	222.944	11.347	0.12836	2.55711	5 V
K11X06V	16.9	0.15	K221L	33.131	153.125	264.232	8.349	0.03906	2.91929	7 X
K12B86E	19.6	0.15	K221L	191.207	256.485	142.084	27.979	0.49763	2.55733	3 V
K12F12Z	16.8	0.15	K221L	259.218	238.282	15.513	12.074	0.30226	3.06121	8 V
K12P06H	21.1	0.15	K221L	8.814	209.289	136.982	22.876	0.34919	1.75383	2 V
K12Q50Q	19.8	0.15	K221L	14.009	201.655	244.327	9.417	0.50443	1.71741	4 X
K12T53B	23.1	0.15	K221L	316.297	263.463	359.003	14.564	0.16033	1.25354	2 V
K12V81X	19.5	0.15	K221L	102.818	121.222	57.592	20.086	0.05950	1.86722	6 V
K12W30S	19.2	0.15	K221L	137.970	316.307	159.970	1.290	0.14002	2.36823	3 V
K13G91C	16.4	0.15	K221L	204.052	187.735	55.151	18.912	0.16642	3.10987	7 V
K13Q43L	18.8	0.15	K221L	83.946	90.435	336.914	2.009	0.08714	2.27211	5 V
K13W32Z	19.9	0.15	K221L	129.936	300.147	78.322	3.262	0.23285	2.33881	2 V
K13Y44B	16.5	0.15	K221L	316.387	264.231	81.718	10.517	0.06515	2.96765	9 V
K14A05G	22.6	0.15	K221L	322.048	268.563	101.846	9.349	0.03409	1.13466	2 V
K14A77R	17.8	0.15	K221L	44.687	272.990	128.894	8.088	0.06231	2.57268	6 V
K14K45E	20.0	0.15	K221L	345.962	349.075	22.781	8.083	0.71577	1.83894	3 V
K14N03N	17.3	0.15	K221L	357.293	27.458	120.241	12.249	0.19977	2.66619	8 X
K14OM1P	17.6	0.15	K221L	120.326	265.998	84.819	11.914	0.22559	3.03651	3 V
K14Ok4W	18.2	0.15	K221L	175.951	76.883	319.678	24.875	0.32574	2.75278	3 V
K14Ok4X	17.4	0.15	K221L	100.219	219.543	152.978	9.501	0.11022	3.13759	4 V
K14Qa2W	22.5	0.15	K221L	202.916	127.247	141.513	14.828	0.21749	1.40751	2 V
K14SE2P	21.7	0.15	K221L	55.557	81.197	125.193	5.573	0.41996	1.16044	4 V
K14SW1F	17.4	0.15	K221L	294.346	313.751	342.181	32.170	0.28679	2.60201	5 X
K15A65L	18.6	0.15	K221L	200.384	197.837	132.692	5.019	0.19870	2.16276	6 V
K15AU6B	17.4	0.15	K221L	124.756	319.860	264.302	7.857	0.00716	2.68471	7 V
K15Bm6V	19.3	0.15	K221L	332.160	24.703	138.640	3.805	0.11746	2.31125	3 V
K15Bu5U	17.4	0.15	K221L	324.971	90.899	92.301	23.429	0.24746	2.32821	5 X
K15C80M	17.9	0.15	K221L	190.024	93.699	43.842	4.929	0.10753	2.76726	5 V
K15C80N	17.6	0.15	K221L	90.545	100.132	140.145	4.199	0.03855	2.78909	3 V
K15C80O	18.2	0.15	K221L	203.712	109.509	22.382	7.552	0.25800	2.72984	3 V
K15C80P	17.5	0.15	K221L	126.980	284.405	278.570	4.751	0.08729	2.79636	5 V
K15C80Q	17.6	0.15	K221L	248.292	158.570	315.238	13.274	0.19473	2.63982	4 V
K15C80R	18.9	0.15	K221L	345.155	244.869	135.818	23.646	0.08136	1.91263	2 V
K15C80S	18.9	0.15	K221L	262.001	337.326	141.537	14.393	0.20082	2.56708	2 V
K15D66U	17.1	0.15	K221L	27.769	106.903	132.482	12.576	0.20137	3.11021	2 V
K15DU3H	16.9	0.15	K221L	174.327	65.210	21.910	18.269	0.13284	3.01975	4 V
K15DU3J	14.4	0.15	K221L	121.114	137.771	129.905	20.095	0.02806	5.26357	5 V
K15DU3K	16.9	0.15	K221L	8.194	163.916	132.183	12.854	0.02215	2.91106	7 V
K15DU3L	17.4	0.15	K221L	82.531	68.840	103.063	10.864	0.17630	3.15860	4 V
K15DU3M	17.4	0.15	K221L	321.275	98.519	288.497	5.703	0.03234	2.78024	8 V
K15DU3N	17.4	0.15	K221L	159.016	122.557	100.685	7.737	0.16161	2.71782	6 V
K15DU3O	17.6	0.15	K221L	178.668	37.651	97.700	3.307	0.06086	2.89318	4 V
K15DU3P	19.1	0.15	K221L	198.528	39.744	139.717	24.192	0.03511	1.89761	3 V
K15DU3Q	17.2	0.15	K221L	82.838	297.236	250.020	11.298	0.09127	3.10373	4 V
K15DU3R	18.0	0.15	K221L	272.692	295.704	142.971	22.597	0.05613	2.67969	3 V
K15DU3S	17.1	0.15	K221L	158.507	206.738	319.759	14.259	0.07864	2.87252	4 V
K15DU3T	17.8	0.15	K221L	233.892	129.486	5.551	17.570	0.07784	2.71944	4 V
K15DU3U	19.0	0.15	K221L	265.934	126.480	292.842	16.915	0.09817	1.96451	4 V
K15DU3V	17.8	0.15	K221L	199.947	74.674	97.098	11.601	0.14811	2.70373	4 V
K15DU3W	18.6	0.15	K221L	333.570	154.794	357.356	6.270	0.07416	2.37654	5 V
K15DU3X	17.8	0.15	K221L	181.648	235.357	275.720	8.262	0.26346	2.79046	2 V
K15DU3Y	18.1	0.15	K221L	164.174	45.611	161.385	9.521	0.15410	2.70791	3 V
K15DU3Z	17.1	0.15	K221L	47.588	257.879	4.844	11.499	0.05453	2.98085	3 V
K15DU4A	17.1	0.15	K221L	66.465	319.259	270.234	10.417	0.05043	3.01281	3 V
K15DU4B	17.2	0.15	K221L	109.875	355.399	172.306	2.228	0.01155	2.94242	4 V
K15DU4C	18.1	0.15	K221L	169.635	93.446	347.343	7.670	0.19451	2.98482	2 V
K15DU4D	18.2	0.15	K221L	180.248	35.033	131.018	12.024	0.25058	2.78321	3 V
K15DU4E	18.3	0.15	K221L	238.562	98.759	355.905	3.619	0.19391	2.70013	2 V
K15DU4F	19.0	0.15	K221L	271.793	240.804	251.958	6.397	0.21705	2.52837	2 V
K15DU4G	17.0	0.15	K221L	70.542	301.990	261.008	14.913	0.18267	3.15010	2 V
K15DU4J	17.2	0.15	K221L	105.719	202.198	263.593	12.656	0.12705	3.21404	2 V
K15DU4K	18.5	0.15	K221L	349.622	180.131	282.288	11.546	0.12925	2.43945	2 V
K15DU4L	17.4	0.15	K221L	104.705	170.240	341.079	30.491	0.18376	3.13085	2 V
K15E80F	17.2	0.15	K221L	159.847	27.185	109.892	18.163	0.07321	2.97339	4 V
K15E80G	18.5	0.15	K221L	249.163	203.576	41.122	7.285	0.13579	2.39120	3 V
K15E80H	17.8	0.15	K221L	95.943	353.491	150.025	11.694	0.18948	3.15754	2 V
K15E80J	18.0	0.15	K221L	267.541	31.617	92.798	12.983	0.14624	2.60187	4 V
K15E80K	18.7	0.15	K221L	331.164	116.165	350.383	22.045	0.25341	2.42594	2 V
K15F35B	19.9	0.15	K221L	254.683	272.524	209.624	25.110	0.51465	2.59018	2 V
K15Fj6D	17.2	0.15	K221L	146.113	85.526	19.105	27.036	0.21133	3.13343	3 V
K15Fj6E	17.5	0.15	K221L	186.901	0.970	201.988	7.669	0.21668	2.67099	6 V
K15Fj6F	17.0	0.15	K221L	136.620	269.971	236.598	10.364	0.03511	3.06669	5 V
K15Fj6G	17.4	0.15	K221L	85.334	225.808	344.820	10.424	0.04161	2.99124	3 V
K15Fj6H	16.5	0.15	K221L	20.798	272.955	328.176	11.694	0.08100	3.23695	4 V
K15G68Y	16.9	0.15	K221L	239.951	174.440	242.679	9.330	0.06245	2.97975	2 V
K15HE1E	19.0	0.15	K221L	123.910	63.980	59.601	5.273	0.09959	2.16257	5 V
K15KC1X	21.2	0.15	K221L	297.361	139.103	238.176	18.556	0.26358	1.37504	4 V
K15KK9C	16.7	0.15	K221L	136.061	36.778	112.224	28.315	0.14671	3.18146	4 V
K15MJ4R	17.9	0.15	K221L	151.159	70.263	282.747	13.802	0.18587	2.60806	3 V
K15MJ4S	18.1	0.15	K221L	99.989	103.827	275.434	10.686	0.17089	2.73395	2 V

K15O6A	17.5	0.15	K221L	150.584	334.874	358.152	11.471	0.06581	2.73918	5 V
K15PT2G	17.6	0.15	K221L	152.787	318.760	14.455	9.818	0.09225	2.73571	2 V
K15Tk3S	19.2	0.15	K221L	237.092	129.106	290.697	0.796	0.17113	2.36231	2 V
K15Tk3T	18.5	0.15	K221L	237.981	152.186	167.402	14.021	0.27845	2.57255	2 V
K15U40S	20.2	0.15	K221L	298.961	251.140	108.425	2.462	0.18888	2.31248	2 V
K15VI3O	17.8	0.15	K221L	169.524	100.284	258.024	11.523	0.09022	2.78343	3 X
K15Xa3H	18.3	0.15	K221L	231.865	355.179	10.541	5.814	0.27506	2.53096	2 V
K15Xm8R	17.6	0.15	K221L	101.415	193.089	191.491	14.021	0.12586	3.05098	3 V
K16AD0U	18.6	0.15	K221L	68.952	171.601	117.047	32.044	0.25124	1.65666	4 V
K16AG3P	18.3	0.15	K221L	122.377	270.903	293.221	30.053	0.19109	2.55700	3 V
K16B14D	17.1	0.15	K221L	8.542	93.082	15.922	41.663	0.35396	2.11537	3 X
K16BD3Q	16.8	0.15	K221L	351.419	142.873	87.992	8.443	0.05150	3.06521	4 V
K16D44A	18.7	0.15	K221L	198.396	93.523	341.774	27.809	0.36348	2.57353	2 V
K16EV5W	16.7	0.15	K221L	251.010	223.764	91.742	10.578	0.05557	3.16571	5 V
K16F60H	23.1	0.15	K221L	15.725	128.853	314.517	6.019	0.46342	1.58878	8 X
K16F83N	17.8	0.15	K221L	127.666	89.090	66.106	10.862	0.05772	2.71647	3 V
K16GV6B	16.3	0.15	K221L	358.063	3.447	170.333	13.057	0.05787	3.46302	6 V
K16GV6C	16.7	0.15	K221L	67.569	82.224	109.378	12.013	0.03306	3.06272	7 V
K16GV6D	16.6	0.15	K221L	110.022	14.953	64.653	10.870	0.01952	3.35806	5 V
K16GV6E	17.1	0.15	K221L	100.462	286.708	161.871	10.630	0.09834	3.21907	5 V
K16GV6F	17.0	0.15	K221L	27.406	18.435	163.572	4.113	0.09487	3.21344	4 V
K16GV6G	17.5	0.15	K221L	20.498	160.456	55.287	6.176	0.07871	3.04841	2 V
K16GV6H	16.0	0.15	K221L	269.663	188.498	99.214	11.848	0.03725	3.49874	3 V
K16K14O	17.8	0.15	K221L	64.708	177.751	106.695	7.736	0.03201	2.69591	5 V
K16L97U	17.2	0.15	K221L	339.668	162.923	153.507	16.860	0.13092	3.01873	3 V
K16N26Z	16.5	0.15	K221L	2.105	48.016	232.136	16.657	0.06724	3.25766	6 V
K16NG4Y	17.0	0.15	K221L	38.493	349.628	296.500	7.123	0.24461	3.01829	5 V
K16PO2J	18.7	0.15	K221L	137.485	232.270	155.344	6.970	0.11795	2.35438	3 V
K16PO2K	18.9	0.15	K221L	174.002	309.162	34.762	2.558	0.20831	2.32869	3 V
K16TJ1W	18.4	0.15	K221L	110.582	318.727	65.272	14.656	0.18793	2.57380	3 V
K16U26T	16.2	0.15	K221L	36.651	64.825	28.605	22.279	0.09443	2.61609	7 X
K16V04Z	19.4	0.15	K221L	282.589	270.421	258.316	19.509	0.04932	1.82595	3 V
K17BK0R	17.5	0.15	K221L	274.173	314.368	14.147	4.287	0.15905	2.53480	3 V
K17BK0S	18.2	0.15	K221L	81.771	26.687	87.563	14.774	0.20303	2.59686	2 V
K17OD9F	17.2	0.15	K221L	16.094	71.850	139.962	17.399	0.09318	3.19660	2 V
K17P70Y	17.4	0.15	K221L	24.014	214.530	42.630	2.726	0.07967	3.00348	5 V
K17P70Z	18.0	0.15	K221L	332.149	231.400	140.235	6.616	0.05725	2.70100	4 V
K17QE3Z	17.2	0.15	K221L	254.748	129.280	325.049	12.663	0.16722	2.67682	6 V
K17QE4A	17.1	0.15	K221L	219.805	308.809	108.645	12.723	0.06632	3.06089	3 V
K17RE4H	17.2	0.15	K221L	324.254	233.642	88.345	10.081	0.05045	3.02170	3 V
K17SU2S	17.5	0.15	K221L	21.878	192.154	132.230	12.794	0.12293	2.73710	3 V
K17UI1E	18.8	0.15	K221L	4.827	296.751	145.664	4.043	0.17107	2.38900	5 V
K17UI1F	18.9	0.15	K221L	120.794	257.231	78.124	7.023	0.22920	2.29912	2 V
K18C09U	17.5	0.15	K221L	262.142	139.956	359.692	14.507	0.32746	3.08013	3 V
K18E08X	16.2	0.15	K221L	73.993	276.390	138.194	22.416	0.07613	2.62497	11 X
K18P25N	17.4	0.15	K221L	184.924	209.416	223.927	9.402	0.22569	2.72745	5 V
K18P74H	16.8	0.15	K221L	205.503	94.387	289.275	8.200	0.06145	3.08167	4 V
K18P74J	16.8	0.15	K221L	152.512	178.281	252.753	9.280	0.13223	3.11499	6 V
K18P74K	16.5	0.15	K221L	229.019	61.110	274.265	8.231	0.07204	3.17827	4 V
K18R65F	16.4	0.15	K221L	186.016	117.168	278.953	15.545	0.08647	3.03400	7 V
K18R65G	16.9	0.15	K221L	180.510	216.015	180.627	10.660	0.10015	3.13211	6 V
K18S14R	17.9	0.15	K221L	40.451	82.725	0.215	21.558	0.10059	1.91955	8 X
K18T47Z	17.8	0.15	K221L	191.467	255.493	155.811	11.830	0.16029	3.11100	3 V
K18T48A	16.9	0.15	K221L	268.728	193.772	123.257	10.315	0.05238	3.17215	5 V
K18T48B	16.8	0.15	K221L	162.612	193.193	239.763	11.804	0.12397	3.13665	5 V
K18T48C	17.8	0.15	K221L	184.543	143.465	337.693	11.373	0.21033	2.79583	4 V
K18U40G	17.6	0.15	K221L	203.747	263.248	187.678	3.591	0.07181	2.80224	4 V
K18VF3Y	16.6	0.15	K221L	319.825	219.180	60.560	11.523	0.10618	3.07507	7 V
K18VF3Z	18.4	0.15	K221L	275.179	287.366	137.651	6.093	0.17575	2.57209	3 V
K18VF4A	17.9	0.15	K221L	294.264	230.096	168.569	7.731	0.18263	2.57197	2 V
K18X35L	17.6	0.15	K221L	271.044	349.491	98.604	14.328	0.13013	2.61108	6 V
K18X35M	17.7	0.15	K221L	323.756	328.892	69.432	8.525	0.19420	2.56492	5 V
K19A97B	18.3	0.15	K221L	359.963	24.160	358.693	4.468	0.20156	2.47792	5 V
K19A97C	17.3	0.15	K221L	138.142	270.296	312.357	24.387	0.09730	2.71380	4 V
K19A97D	18.0	0.15	K221L	325.718	292.779	99.667	12.199	0.18557	2.58444	3 V
K19A97E	17.6	0.15	K221L	271.921	100.350	9.976	16.843	0.07791	2.55791	3 V
K19A97F	18.4	0.15	K221L	281.214	239.795	221.267	12.498	0.23221	2.56894	2 V
K19C22F	18.3	0.15	K221L	272.526	273.879	257.648	7.402	0.11865	2.42278	2 V
K19F29X	18.7	0.15	K221L	302.363	72.399	50.574	4.367	0.21927	2.47008	7 V
K19GD3N	19.1	0.15	K221L	301.247	115.888	63.283	5.040	0.08310	2.34073	2 V
K19J24W	18.4	0.15	K221L	42.725	312.069	120.960	4.834	0.12728	2.42535	3 V
K19K05U	19.5	0.15	K221L	306.558	133.702	255.330	42.237	0.46919	1.15671	3 V
K19K53A	18.8	0.15	K221L	295.562	301.103	281.638	7.585	0.08641	2.27404	4 V
K19L30U	17.8	0.15	K221L	152.558	240.518	87.311	14.759	0.15089	2.64370	2 V
K19N82U	18.9	0.15	K221L	264.430	243.002	127.269	21.006	0.16705	1.99178	2 V
K19P01J	20.0	0.15	K221L	65.904	153.540	308.231	22.790	0.63250	1.47705	2 V
K19Q78A	17.2	0.15	K221L	148.909	154.119	174.478	10.916	0.08444	3.20705	4 V
K19UC5Z	16.4	0.15	K221L	57.729	55.646	77.597	15.764	0.12635	3.42507	4 V
K19UC6A	16.5	0.15	K221L	119.157	242.659	175.834	10.013	0.05598	3.43033	6 V
K19UC6B	17.1	0.15	K221L	78.930	276.528	191.278	13.998	0.21769	3.31069	4 V
K19V34G	17.8	0.15	K221L	83.740	234.660	254.807	8.019	0.19645	3.14976	2 V
K19V34H	17.4	0.15	K221L	154.778	313.820	81.854	12.625	0.15119	3.14668	2 V
K19W21Y	16.8	0.15	K221L	68.275	268.107	245.817	17.318	0.12628	3.17762	3 V
K19W21Z	17.1	0.15	K221L	158.994	98.050	299.422	20.875	0.22719	3.05993	2 V
K19X14C	19.1	0.15	K221L	332.115	333.462	98.016	23.756	0.09628	1.88119	5 V
K19X14D	16.7	0.15	K221L	184.787	310.654	105.218	13.648	0.05272	3.09465	4 V
K19X14E	16.6	0.15	K221L	110.951	218.295	258.400	17.166	0.06956	3.09526	7 V
K19X14F	17.7	0.15	K221L	121.453	231.617	265.107	14.315	0.22246	3.10812	2 V
K20B13Q	19.8	0.15	K221L	16.281	311.113	139.501	43.397	0.33300	1.65477	4 X
K20B48R	19.5	0.15	K221L	291.029	153.240	318.529	17.136	0.10696	1.93192	2 V
K20B98G	18.3	0.15	K221L	107.136	104.289	107.442	6.952	0.03626	2.39299	5 V
K20B98H	16.8	0.15	K221L	151.917	327.476	129.970	10.975	0.04870	3.13165	6 V
K20B98J	17.3	0.15	K221L	117.161	56.727	97.861	8.775	0.04974	3.03311	6 V

K20B98K	16.8	0.15	K221L	31.927	114.993	115.063	11.926	0.07417	3.17760	4 V
K20D15E	17.9	0.15	K221L	177.023	22.570	109.297	14.417	0.12103	2.89626	2 V
K20F17D	17.6	0.15	K221L	116.260	58.648	179.372	8.441	0.07024	2.77006	3 V
K20G29Q	17.5	0.15	K221L	187.634	110.037	37.529	15.824	0.09075	2.71204	2 V
K20HE2S	18.0	0.15	K221L	107.081	359.819	235.358	5.687	0.15915	2.92297	4 V
K20HE2T	18.5	0.15	K221L	62.216	103.356	200.006	4.567	0.15345	2.74718	2 V
K20HE2U	17.4	0.15	K221L	88.992	2.697	258.206	8.065	0.03462	2.71651	5 V
K20HE2V	18.0	0.15	K221L	180.825	352.768	184.930	26.117	0.11620	2.76317	2 V
K20OA7Q	17.0	0.15	K221L	68.624	308.325	36.873	11.085	0.04388	3.01189	5 V
K20OA8P	18.3	0.15	K221L	171.483	249.113	36.331	3.789	0.16367	2.38649	7 V
K20Q87J	18.0	0.15	K221L	183.957	101.976	134.395	26.545	0.26806	2.58686	4 V
K20RC5J	18.7	0.15	K221L	84.868	337.236	96.663	7.708	0.06564	2.24716	4 V
K20S85K	17.4	0.15	K221L	26.910	306.420	151.054	5.403	0.04326	2.75792	6 V
K20S88H	18.1	0.15	K221L	116.572	235.950	138.460	15.480	0.13580	2.65564	4 V
K20T79X	19.3	0.15	K221L	109.970	99.433	323.283	3.169	0.10440	2.19089	3 V
K20U56E	17.5	0.15	K221L	105.023	227.771	171.646	14.510	0.07073	2.68357	5 V
K20X20Y	19.2	0.15	K221L	112.585	14.048	94.450	3.844	0.15436	2.28124	4 V
K21C38J	16.4	0.15	K221L	336.950	320.920	281.122	13.914	0.03073	3.16736	6 V
K21C38K	16.5	0.15	K221L	249.111	242.856	99.028	13.100	0.03302	3.16264	4 V
K21C38L	17.7	0.15	K221L	71.688	291.638	203.433	9.700	0.19060	3.12584	3 V
K21C38M	16.7	0.15	K221L	123.858	11.306	93.471	10.488	0.06255	3.15908	5 V
K21C38N	16.8	0.15	K221L	117.228	19.258	80.757	10.540	0.07051	3.16537	4 V
K21C38O	16.7	0.15	K221L	284.314	325.093	339.824	26.579	0.04822	3.15191	3 V
K21C38P	17.7	0.15	K221L	60.524	59.151	118.663	17.281	0.18231	3.16527	2 V
K21D16K	17.2	0.15	K221L	179.864	31.974	15.632	8.881	0.06334	3.10829	5 V
K21D16M	17.2	0.15	K221L	26.356	125.097	82.030	5.632	0.11458	3.21724	4 V
K21D16N	17.9	0.15	K221L	87.148	103.447	34.425	13.521	0.17827	3.11319	3 V
K21D16O	17.1	0.15	K221L	294.209	159.181	148.646	10.763	0.04812	3.08407	3 V
K21E49A	16.9	0.15	K221L	121.969	184.907	274.640	9.541	0.02867	3.10286	3 V
K21E49B	17.2	0.15	K221L	88.204	126.271	22.557	11.537	0.08521	3.06405	4 V
K21E49C	17.0	0.15	K221L	72.354	191.040	309.736	15.884	0.15285	3.12052	2 V
K21F50X	16.8	0.15	K221L	68.578	230.561	310.838	11.212	0.16308	3.12887	3 V
K21F50Y	17.3	0.15	K221L	51.537	60.129	148.630	27.535	0.21631	3.15225	2 V
K21F50Z	17.6	0.15	K221L	79.366	347.049	154.041	13.230	0.10639	3.16512	4 V
K21F51A	17.6	0.15	K221L	70.033	334.598	183.617	27.189	0.14593	3.19564	2 V
K21F51B	17.8	0.15	K221L	85.194	191.883	318.728	9.552	0.19856	3.15952	2 V
K21GH0P	17.5	0.15	K221L	101.388	312.080	202.164	17.534	0.21512	3.06535	2 V
K21GH0Q	17.9	0.15	K221L	100.345	346.295	173.467	0.608	0.14134	3.05415	3 V
K21GH0R	17.3	0.15	K221L	109.349	59.488	71.876	12.161	0.08830	3.04545	2 V
K21GH0S	17.8	0.15	K221L	71.558	132.180	43.734	5.940	0.11041	3.12218	2 V
K21GH0T	17.6	0.15	K221L	97.025	207.426	263.358	14.339	0.27226	3.21019	2 V
K21H30C	17.0	0.15	K221L	69.739	312.732	238.486	15.193	0.16414	3.19798	2 V
K21H30D	17.1	0.15	K221L	101.111	118.601	27.774	13.281	0.20700	3.16506	4 V
K21H30E	17.0	0.15	K221L	66.841	247.359	288.811	14.246	0.16141	3.11824	3 V
K21J58Z	17.7	0.15	K221L	109.598	350.935	162.869	5.729	0.12567	2.98325	3 V
K21K16K	17.7	0.15	K221L	92.019	37.503	158.446	9.747	0.06889	2.92134	3 V
K21L36N	18.6	0.15	K221L	182.485	223.114	321.705	18.167	0.05411	1.95643	3 V
K21M19M	18.9	0.15	K221L	167.800	272.915	286.861	19.102	0.06289	1.93149	4 V
K21N58A	19.1	0.15	K221L	97.881	275.872	353.185	4.451	0.12903	2.19451	6 V
K21N58B	19.2	0.15	K221L	152.267	274.552	301.202	17.582	0.07213	1.94379	5 V
K21N58C	17.8	0.15	K221L	236.892	176.577	292.658	21.288	0.06912	2.64866	4 V
K21PF3H	17.7	0.15	K221L	101.225	212.893	52.385	13.542	0.07848	2.74612	6 V
K21Q81R	18.0	0.15	K221L	122.335	352.867	250.024	11.255	0.05685	2.66254	3 V
K21Q81S	19.7	0.15	K221L	239.262	173.808	338.782	19.950	0.03841	1.89215	2 V
K21R28R	17.3	0.15	K221L	31.642	75.984	277.830	10.285	0.16703	3.12557	2 V
K21R83C	18.4	0.15	K221L	56.121	276.586	48.486	5.758	0.15513	2.70012	3 V
K21RH6U	18.3	0.15	K221L	95.682	325.561	304.604	12.829	0.07043	2.58002	2 V
K21S57R	18.1	0.15	K221L	236.878	35.687	121.700	5.410	0.04158	2.74182	3 V
K21T57J	21.5	0.15	K221L	344.559	180.091	4.705	11.633	0.50724	1.00797	2 X
K21TD4R	18.2	0.15	K221L	32.618	253.703	129.986	14.973	0.12217	2.43843	2 V
K21U88W	20.0	0.15	K221L	352.333	149.087	302.104	6.777	0.28343	2.37159	2 V
K21V62J	17.5	0.15	K221L	12.033	184.783	292.050	15.721	0.18329	3.18133	7 V
K22A30G	18.8	0.15	K221L	345.729	335.773	155.203	4.508	0.07584	2.33540	3 V
K22A30H	18.5	0.15	K221L	300.362	257.860	299.502	21.572	0.22491	2.35787	2 V

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc C
K10Q08U	18.0	0.15	K221L	95.670	56.726	274.469	8.871	0.10826	2.96089	24 V
K10R44C	19.2	0.15	K221L	172.289	344.436	18.284	5.847	0.21478	2.19899	42 X
K10RH8S	18.5	0.15	K221L	229.562	221.424	131.004	5.976	0.30535	2.65563	33 V
K10T59R	16.9	0.15	K221L	12.716	13.578	335.695	8.668	0.21389	3.19507	39 X
K10U60Q	18.6	0.15	K221L	165.861	22.979	352.192	9.855	0.30587	2.77102	6 V
K10U63X	18.5	0.15	K221L	324.802	33.647	240.153	4.704	0.03007	2.14564	4 V
K11W29H	18.2	0.15	K221L	136.614	351.010	26.737	10.057	0.28096	2.69033	26 V
K15DU4H	17.3	0.15	K221L	235.751	154.212	302.188	21.094	0.04985	2.69703	80 V
K16F59V	7.7	0.15	K221L	24.312	302.920	214.444	9.252	0.17126	47.56467	29 V
K16F60L	23.9	0.15	K221L	133.984	176.393	191.499	24.915	0.38347	0.99324	11 V
K16F60M	22.6	0.15	K221L	174.339	198.434	353.308	10.342	0.42168	2.47960	5 V
K19N82T	18.8	0.15	K221L	221.153	52.869	275.619	4.188	0.17548	2.36381	3 B
K19UC6C	17.9	0.15	K221L	140.460	210.807	208.068	10.349	0.23494	3.14733	49 V
K19UC6D	17.1	0.15	K221L	155.760	283.554	118.397	9.980	0.09185	3.17989	82 V
K19V34J	19.2	0.15	K221L	316.242	294.598	113.521	22.702	0.09918	1.88564	76 V
K19X14G	17.4	0.15	K221L	76.845	255.172	261.798	25.091	0.18814	3.03948	51 V
K21D16L	17.3	0.15	K221L	286.680	356.934	300.608	9.600	0.07589	3.11208	60 V
K21D16P	17.5	0.15	K221L	74.919	351.009	158.723	17.785	0.15716	3.13723	54 V
K21L36M	19.1	0.15	K221L	116.315	330.062	291.941	20.023	0.05546	1.92278	77 V
K21N58D	19.1	0.15	K221L	308.338	112.261	305.941	7.919	0.08920	2.54163	26 V
K21T14Y	27.2	0.15	K221L	18.540	191.926	204.987	2.338	0.64043	2.75124	6 q
K21U09L	21.8	0.15	K221L	3.366	103.578	357.104	12.767	0.69549	2.73753	100 q
K21V27R	21.7	0.15	K221L	357.469	352.328	131.619	3.529	0.49496	2.03146	114 X
K22A03X	19.1	0.15	K221L	350.023	62.905	123.046	22.595	0.58523	3.07448	43 X
K22B00J	21.4	0.15	K221L	12.282	278.694	102.468	6.809	0.80061	2.39393	30 X
K22B01T	22.7	0.15	K221L	327.584	92.988	116.496	7.234	0.52323	1.79209	25 X

K22B02U	20.4	0.15	K221L	317.389	101.856	138.979	35.944	0.50194	1.77832	25	X
K22B03Q	19.8	0.15	K221L	340.654	174.702	33.342	15.089	0.60268	2.82813	23	X
K22B05C	24.3	0.15	K221L	330.578	10.936	160.248	4.718	0.26758	1.44107	22	X
K22B05O	24.8	0.15	K221L	359.893	358.730	117.984	4.043	0.51233	2.12705	20	X
K22B06A	26.4	0.15	K221L	162.297	182.971	134.599	1.728	0.12306	0.90071	20	X
K22B06S	24.5	0.15	K221L	339.848	82.065	115.849	2.975	0.58463	2.16442	19	X
K22B07H	20.9	0.15	K221L	310.394	108.055	148.909	19.180	0.64434	1.36052	24	X
K22B07L	23.1	0.15	K221L	15.912	327.606	65.093	5.273	0.72196	2.64854	11	X
K22B08J	19.6	0.15	K221L	101.698	293.880	95.853	15.825	0.24863	0.78530	20	q
K22C00K	23.8	0.15	K221L	325.390	180.835	13.299	3.258	0.34166	1.49187	20	X
K22C00L	22.5	0.15	K221L	26.265	275.795	143.348	21.737	0.43199	1.47140	19	X
K22C00U	23.7	0.15	K221L	343.376	23.796	133.393	2.552	0.38978	1.71964	24	X
K22C00V	20.2	0.15	K221L	23.342	65.066	307.779	40.376	0.67298	1.26777	16	X
K22C01A	27.2	0.15	K221L	107.490	315.754	43.747	0.495	0.15195	0.91098	14	X
K22C01J	25.4	0.15	K221L	326.972	174.471	342.294	5.290	0.04311	1.09069	16	X
K22C01P	27.3	0.15	K221L	289.302	93.326	138.422	6.173	0.33046	1.10109	4	X
K22C01Q	20.6	0.15	K221L	244.957	307.490	340.253	24.177	0.60415	0.89620	21	X
K22C01T	22.1	0.15	K221L	327.990	72.153	146.761	25.590	0.50078	1.70456	16	X
K22C02M	23.1	0.15	K221L	280.968	156.850	85.638	7.728	0.33880	1.18853	15	X
K22C02Q	24.8	0.15	K221L	122.447	339.352	346.487	5.484	0.53982	0.68805	13	X
K22C02Z	25.5	0.15	K221L	350.776	214.323	316.431	10.006	0.64576	2.92133	15	X
K22C03F	25.4	0.15	K221L	139.314	5.877	327.705	5.347	0.15225	0.87246	13	X
K22C03U	23.0	0.15	K221L	328.899	201.039	13.009	5.448	0.51409	1.78107	14	X
K22C04G	23.6	0.15	K221L	337.348	195.172	1.531	6.738	0.51471	1.98218	14	X
K22C04R	19.0	0.15	K221L	328.364	219.152	17.779	26.846	0.62751	2.43449	13	X
K22C04X	27.9	0.15	K221L	319.236	49.445	139.163	0.975	0.27524	1.30666	11	X
K22C05G	24.9	0.15	K221L	348.005	0.940	153.162	6.152	0.45991	1.92382	10	X
K22C06X	25.1	0.15	K221L	357.282	321.202	163.545	3.575	0.14081	1.19942	8	X
K22C07A	23.5	0.15	K221L	315.368	337.012	271.067	3.826	0.59454	1.59803	10	X
K22C07K	24.8	0.15	K221L	300.003	184.844	37.213	2.027	0.32785	1.24449	6	X

New observations:

K01K18Y	KC2022	02	18.10912	13	23	00.79	+64	41	02.0	18.9	GXED010B88
K01K18Y	KC2022	02	18.12814	13	23	05.38	+64	41	06.2	18.9	GXED010B88
K01K18Y	KC2022	02	18.14696	13	23	09.86	+64	41	10.0	18.6	GXED010B88
K01K18Y	C2022	02	18.39427013	24	13.87	+64	42	04.2	18.85	gUED010I41	
K01K18Y	C2022	02	18.39524013	24	14.11	+64	42	04.4	18.93	gUED010I41	
K01K18Y	C2022	02	18.45354113	24	27.91	+64	42	17.6	18.58	rUED010I41	
K01K18Y	C2022	02	18.45450013	24	28.14	+64	42	17.8	18.55	rUED010I41	
K09B58O	KC2022	02	17.91631	08	34	16.55	+50	22	26.1	19.6	GXED010B88
K09B58O	KC2022	02	17.96951	08	33	58.07	+50	24	32.6	19.9	GXED010B88
K09B58O	KC2022	02	18.01897	08	33	40.81	+50	26	27.8	19.3	GXED010B88
K10TE9V	C2022	02	18.11785000	18	58.07	+26	22	03.7	19.85	rUED010I41	
K10TE9V	C2022	02	18.12391000	18	57.86	+26	22	26.7	19.74	rUED010I41	
K10TE9V	C2022	02	19.12303000	18	26.94	+27	26	32.9	19.94	rUED010I41	
K10TE9V	C2022	02	19.12603000	18	26.89	+27	26	44.9	19.83	rUED010I41	
K11L00H	C2019	06	05.40757817	46	15.96	+15	01	40.2	18.55	cVED010T05	
K11L00H	C2019	06	05.42298817	46	11.92	+14	59	16.4	18.31	cVED010T05	
K11L00H	C2019	06	05.43935717	46	07.63	+14	56	43.1	18.43	cVED010T05	
K11L00H	C2019	06	05.44444317	46	06.32	+14	55	56.1	18.19	cVED010T05	
K11L00H	C2019	06	07.45532917	37	47.96	+09	36	05.7	17.90	oVED010T08	
K11L00H	C2019	06	07.46319817	37	45.89	+09	34	49.5	17.93	oVED010T08	
K11L00H	C2019	06	07.48262017	37	40.83	+09	31	40.8	17.82	oVED010T08	
K11L00H	C2019	06	07.49324917	37	38.04	+09	29	57.4	17.65	oVED010T08	
K11L00H	C2019	06	07.52781	17	37	29.082	+09	24	20.71	18.2	wUED010F52
K11L00H	C2019	06	07.53893	17	37	26.194	+09	22	32.43	18.2	wUED010F52
K11L00H	C2019	06	07.54999	17	37	23.332	+09	20	44.93	18.2	wUED010F52
K12B86E	C2020	01	22.23077903	35	03.060	-20	20	35.83	21.75	wUED010F51	
K12B86E	C2020	01	22.24233603	35	04.560	-20	20	06.06	21.18	wUED010F51	
K12B86E	C2020	01	22.25387703	35	06.060	-20	19	36.04	21.50	wUED010F51	
K12P06H	C2019	08	04.49939	23	22	25.101	-05	30	20.91	19.5	wUED010F51
K12P06H	C2019	08	04.51126	23	22	28.633	-05	31	31.86	19.4	wUED010F51
K12P06H	C2019	08	04.52310	23	22	32.145	-05	32	42.62	19.3	wUED010F51
K12P06H	C2019	08	04.53493	23	22	35.658	-05	33	53.13	19.3	wUED010F51
K12P06H	C2019	08	09.55193	23	50	31.771	-14	30	19.60	19.0	wUED010F51
K12P06H	C2019	08	09.57327	23	50	38.920	-14	32	43.68	19.1	wUED010F51
K12Q50Q	!C2022	02	18.33390	13	05	21.14	-45	48	46.9	19.6	G ED010W84
K12Q50Q	!C2022	02	18.33604	13	05	20.84	-45	48	44.4	19.7	G ED010W84
K12Q50Q	!C2022	02	18.33816	13	05	20.53	-45	48	42.0	19.6	G ED010W84
K12Q50Q	!C2022	02	18.34030	13	05	20.21	-45	48	39.3	19.7	G ED010W84
K12Q50Q	!C2022	02	18.34242	13	05	19.91	-45	48	37.0	19.6	G ED010W84
K12Q50Q	!C2022	02	18.34455	13	05	19.60	-45	48	34.4	19.6	G ED010W84
K12T53B	C2019	09	29.38169	23	38	48.778	+04	15	29.07	21.5	wUED010F51
K12T53B	C2019	09	29.39427	23	38	46.401	+04	15	51.80	21.4	wUED010F51
K12T53B	C2019	09	29.40686	23	38	44.027	+04	16	14.33	21.1	wUED010F51
K14A05G	C2019	07	01.56302	22	29	25.844	-14	41	56.09	20.9	wUED010F51
K14A05G	C2019	07	01.57399	22	29	27.760	-14	42	22.62	20.8	wUED010F51
K14A05G	C2019	07	01.59600	22	29	31.595	-14	43	15.52	21.2	wUED010F51
K14K45E	C2019	06	07.32521	15	13	46.152	-38	03	23.25	20.0	wUED010F51
K14K45E	C2019	06	07.34329	15	13	40.308	-38	03	26.14	20.1	wUED010F51
K14K45E	C2019	06	07.35234	15	13	37.378	-38	03	27.43	20.1	wUED010F51
K14Qa2W	C2019	08	08.53393	23	05	44.204	-03	20	44.84	20.4	wUED010F52
K14Qa2W	C2019	08	08.55715	23	05	44.861	-03	22	36.79	21.0	wUED010F52
K14Qa2W	C2019	08	08.56871	23	05	45.208	-03	23	32.85	20.9	wUED010F52
K14SE2P	C2019	08	08.54863	00	23	25.631	-07	17	22.90	20.4	wUED010F51
K14SE2P	C2019	08	08.56038	00	23	22.764	-07	17	54.40	20.4	wUED010F51
K14SE2P	C2019	08	08.58386	00	23	17.033	-07	18	57.32	20.6	wUED010F51
K14SE2P	C2019	08	09.53551	00	19	39.097	-08	01	09.45	20.4	wUED010F52
K14SE2P	C2019	08	09.55748	00	19	33.716	-08	02	07.73	20.6	wUED010F52
K14SE2P	C2019	08	09.56844	00	19	31.023	-08	02	36.62	20.4	wUED010F52
K15F35B	C2019	01	10.25934	04	04	35.492	-35	17	51.43	21.4	wUED010F51
K15F35B	C2019	01	10.26953	04	04	35.872	-35	17	54.73	21.1	wUED010F51
K15F35B	C2019	01	10.27934	04	04	36.257	-35	17	58.09	21.3	wUED010F51

K15F35B	C2019	01	10.28915	04	04	36.646	-35	18	01.46	21.3	wUED010F51
K15KC1X	C2020	11	26.60115	08	50	24.740	-06	38	38.20	21.6	wUED010F51
K15KC1X	C2020	11	26.61596	08	50	24.405	-06	39	23.25	21.3	wUED010F51
K15KC1X	C2020	11	26.63103	08	50	24.074	-06	40	09.24	21.3	wUED010F51
K16AD0U	C2019	06	29.47081620	25	01.51	+15	59	10.5		18.52	cVED010T05
K16AD0U	C2019	06	29.47923620	25	01.65	+15	58	35.1		18.26	cVED010T05
K16AD0U	C2019	06	29.49112020	25	01.89	+15	57	44.7		18.18	cVED010T05
K16AD0U	C2019	06	29.50352020	25	02.12	+15	56	52.7		18.23	cVED010T05
K16AD0U	C2019	07	04.40549420	27	10.92	+09	20	13.1		17.11	oVED010T08
K16AD0U	C2019	07	04.40923620	27	10.98	+09	19	52.5		17.03	oVED010T08
K16AD0U	C2019	07	04.41596720	27	11.03	+09	19	15.5		17.07	oVED010T08
K16AD0U	C2019	07	04.42695620	27	11.15	+09	18	14.9		17.02	oVED010T08
K16AD0U	C2019	07	06.43699	20	27	51.328	+06	03	59.00	17.5	wUED010F52
K16AD0U	C2019	07	06.46043	20	27	51.462	+06	01	36.51	17.4	wUED010F52
K16AD0U	C2019	07	06.47220	20	27	51.528	+06	00	24.86	17.5	wUED010F52
K16AD0U	C2019	07	09.60010820	28	38.88	+00	19	49.2		17.50	oVED010T08
K16AD0U	C2019	07	09.60767820	28	38.90	+00	18	56.6		17.34	oVED010T08
K16AD0U	C2019	07	09.61303920	28	38.90	+00	18	19.4		17.25	oVED010T08
K16AD0U	C2019	07	12.41348020	29	11.95	-05	23	44.3		17.29	oVED010T08
K16AD0U	C2019	07	12.41634120	29	11.93	-05	24	06.7		17.36	oVED010T08
K16AD0U	C2019	07	12.42181520	29	11.90	-05	24	48.3		17.21	oVED010T08
K16AD0U	C2019	07	12.43291320	29	11.85	-05	26	13.8		17.38	oVED010T08
K16AD0U	C2019	07	14.34241420	29	26.70	-09	36	40.1		16.82	oVED010T05
K16AD0U	C2019	07	14.34791120	29	26.68	-09	37	24.5		16.85	oVED010T05
K16AD0U	C2019	07	14.36606320	29	26.59	-09	39	50.9		16.85	oVED010T05
K16AD0U	C2019	07	14.37293620	29	26.53	-09	40	46.7		16.87	oVED010T05
K16AD0U	C2019	07	21.55508120	29	27.45	-26	22	48.6		16.27	oVED010T05
K16AD0U	C2019	07	21.55745720	29	27.42	-26	23	08.4		16.16	oVED010T05
K16AD0U	C2019	07	21.56284120	29	27.32	-26	23	52.8		16.28	oVED010T05
K16AD0U	C2019	07	21.57144820	29	27.16	-26	25	04.1		16.23	oVED010T05
K16AD0U	C2019	07	25.44729220	29	04.26	-35	06	27.1		17.45	oVED010T05
K16AD0U	C2019	07	25.45029420	29	04.19	-35	06	50.2		17.35	oVED010T05
K16AD0U	C2019	07	25.45593820	29	04.05	-35	07	33.7		17.10	oVED010T05
K16AD0U	C2019	07	25.46795120	29	03.75	-35	09	06.2		17.44	oVED010T05
K16AD0U	C2019	07	27.42944120	28	46.83	-39	13	25.5		17.00	oVED010T08
K16AD0U	C2019	07	27.43295820	28	46.71	-39	13	51.1		17.10	oVED010T08
K16AD0U	C2019	07	27.43943620	28	46.53	-39	14	37.6		17.06	oVED010T08
K16AD0U	C2019	07	27.45173620	28	46.20	-39	16	06.8		16.91	oVED010T08
K16F60H	OC2003	10	01.23046	21	32	34.80	+10	08	38.6	20.9	iVED010568
K16F60H	C2005	09	28.17604521	31	36.77	+06	35	49.4			ED010645
K16F60H	C2005	09	28.17687521	31	36.59	+06	35	49.8			ED010645
K16F60H	C2005	09	28.17936221	31	36.02	+06	35	51.4			ED010645
K16F60H	&C2014	03	28.07107012	11	28.85	-18	52	06.8			VED010W84
K16F60H	&C2014	03	28.13869812	11	20.49	-18	51	05.6			VED010W84
K16F60H	&C2014	03	28.20580112	11	12.20	-18	50	04.1			VED010W84
K16F60H	&C2017	09	16.00757821	17	06.11	-05	01	17.1			VED010W84
K16F60H	&C2019	08	22.18777422	11	44.56	-06	06	24.2			VED010W84
K16F60H	&C2019	08	22.18915022	11	44.39	-06	06	23.8			VED010W84
K19K05U	C2019	07	04.27015	14	13	28.283	+03	27	49.01	20.3	wUED010F52
K19K05U	C2019	07	04.28193	14	13	27.254	+03	28	32.75	20.1	wUED010F52
K19K05U	C2019	07	04.30543	14	13	25.206	+03	29	59.84	20.0	wUED010F52
K19P01J	C2019	08	23.36065	21	16	03.495	+07	40	24.90	20.5	wUED010F52
K19P01J	C2019	08	23.37242	21	16	00.790	+07	40	35.76	20.4	wUED010F52
K19P01J	C2019	08	23.38414	21	15	58.092	+07	40	46.69	20.6	wUED010F52
K19P01J	C2019	08	23.39596	21	15	55.382	+07	40	57.70	20.6	wUED010F52
K20B13Q	KC2022	02	18.75959909	31	23.76	+42	19	31.1		18.3	GVED010L18
K20B13Q	KC2022	02	18.76492109	31	23.46	+42	20	04.9		19.0	GVED010L18
K20B13Q	KC2022	02	18.77024509	31	23.18	+42	20	39.6		19.1	GVED010L18
K21T14Y	KC2021	10	14.90698523	29	40.24	+19	52	59.3		18.7	VZED010C95
K21T14Y	KC2021	10	14.91164923	30	08.42	+19	57	17.5		17.9	VZED010C95
K21T14Y	KC2021	10	14.91627923	30	36.52	+20	01	34.7		18.6	VZED010C95
K21T57J	KC2021	11	04.85677102	00	40.06	+48	29	22.5		19.7	VZED010C95
K21T57J	KC2021	11	04.87552102	00	30.85	+48	29	53.0		20.2	VZED010C95
K21T57J	KC2021	11	04.89472802	00	21.28	+48	30	23.6		20.7	VZED010C95
K21U09L	KC2022	02	06.67132616	10	23.732	+04	15	25.85		21.99	GVED010T12
K21V27R	KC2022	02	18.77847608	51	15.86	+32	17	27.7		17.9	GVED010L18
K21V27R	KC2022	02	18.77958608	51	16.67	+32	17	26.6		17.7	GVED010L18
K21V27R	KC2022	02	18.78069708	51	17.58	+32	17	25.7		17.8	GVED010L18
K21V27R	KC2022	02	18.78180808	51	18.41	+32	17	25.0		17.5	GVED010L18
K21V27R	KC2022	02	18.78291908	51	19.28	+32	17	24.3		17.2	GVED010L18
K22A03X	C2022	02	14.40079113	52	04.91	+29	52	32.4		19.59	rUED010I41
K22A03X	C2022	02	18.33848014	09	21.30	+31	57	29.6		19.51	iUED010I41
K22A03X	C2022	02	18.42830014	09	44.42	+32	00	18.7		19.77	rUED010I41
K22B00J	KC2022	02	19.17390708	23	29.82	+32	10	31.1		21.82	GVED010I52
K22B00J	KC2022	02	19.18093408	23	29.57	+32	10	26.7		21.58	GVED010I52
K22B00J	KC2022	02	19.18797108	23	29.33	+32	10	22.4		21.69	GVED010I52
K22B00J	KC2022	02	19.19500808	23	29.29	+32	10	19.1			VED010I52
K22B01T	KC2022	02	19.13674106	10	34.87	+47	53	19.2		20.41	GVED010I52
K22B01T	KC2022	02	19.13879006	10	33.57	+47	53	30.2		20.22	GVED010I52
K22B01T	KC2022	02	19.13973606	10	33.07	+47	53	34.2		20.41	GVED010I52
K22B01T	KC2022	02	19.14068306	10	32.55	+47	53	38.4		20.58	GVED010I52
K22B02U	mC2022	02	19.40090513	02	11.08	+42	24	39.7		19.47	GVED010I52
K22B02U	mC2022	02	19.40507213	02	12.48	+42	25	08.0		19.30	GVED010I52
K22B02U	mC2022	02	19.41021213	02	14.23	+42	25	43.4		19.60	GVED010I52
K22B02U	mC2022	02	19.41050513	02	14.29	+42	25	45.0		19.35	GVED010I52
K22B03Q	KC2022	02	19.40024311	39	38.93	+50	11	58.1		19.68	GVED010I52
K22B03Q	KC2022	02	19.40954911	39	38.95	+50	12	05.1		19.99	GVED010I52
K22B03Q	KC2022	02	19.41794011	39	39.04	+50	12	11.5		19.61	GVED010I52
K22B03Q	KC2022	02	19.42409611	39	39.09	+50	12	16.1		20.35	GVED010I52
K22B05C	mC2022	02	19.17039008	35	37.20	+06	54	17.0		20.12	GVED010I52
K22B05C	mC2022	02	19.17741808	35	37.95	+06	54	33.7		20.18	GVED010I52
K22B05C	mC2022	02	19.18445208	35	38.70	+06	54	49.2		20.00	GVED010I52
K22B05C	mC2022	02	19.19148908	35	39.46	+06	55	05.3		19.82	GVED010I52

K22B05O	KC2022	02	19.39352409	34	25.02	+35	35	04.9	21.18GVED010I52
K22B05O	KC2022	02	19.39747009	34	26.67	+35	34	57.4	21.50GVED010I52
K22B06A	KC2022	02	19.31582010	32	13.65	+34	01	18.1	19.11GVED010I52
K22B06A	KC2022	02	19.31631510	32	13.19	+34	01	23.9	18.94GVED010I52
K22B06A	KC2022	02	19.31681110	32	12.71	+34	01	29.6	18.99GVED010I52
K22B06A	KC2022	02	19.31730510	32	12.22	+34	01	35.3	19.16GVED010I52
K22B06S	6C2022	02	18.50137	10	52	44.99	+47	53 52.2	19.1 GVED010290
K22B06S	6C2022	02	18.50522	10	52	51.09	+47	54 40.9	19.0 GVED010290
K22B06S	6C2022	02	18.51077	10	52	59.89	+47	55 50.8	19.1 GVED010290
K22B06S	KC2022	02	19.31894511	18	49.26	+50	59	37.9	19.05GVED010I52
K22B06S	KC2022	02	19.31944111	18	50.26	+50	59	44.9	19.05GVED010I52
K22B06S	KC2022	02	19.31993611	18	51.33	+50	59	51.6	18.97GVED010I52
K22B06S	KC2022	02	19.32043211	18	52.35	+50	59	58.7	18.99GVED010I52
K22B07H	KC2022	02	17.25764	08	15	33.33	+02	58 18.3	13.9 GVED010U52
K22B07H	KC2022	02	17.25866	08	15	29.72	+02	58 48.2	13.9 GVED010U52
K22B07H	KC2022	02	17.25968	08	15	26.11	+02	59 18.0	13.9 GVED010U52
K22B07H	KC2022	02	17.26600	08	15	03.71	+03	02 23.6	14.0 GVED010U52
K22B07H	KC2022	02	17.26940	08	14	51.60	+03	04 03.8	14.0 GVED010U52
K22B07H	KC2022	02	17.27281	08	14	39.43	+03	05 44.3	14.0 GVED010U52
K22B07H	C2022	02	17.83234	07	33	08.50	+08	52 35.7	13.9 GVED010I30
K22B07H	C2022	02	17.83309	07	33	04.09	+08	53 10.3	13.6 GVED010I30
K22B07H	C2022	02	17.83385	07	32	59.72	+08	53 45.4	14.0 GVED010I30
K22B07H	C2022	02	17.83450	07	32	55.90	+08	54 14.9	13.7 GVED010I30
K22B07H	C2022	02	18.42784106	17	38.25	+18	04	16.4	13.60oVED010T05
K22B07H	C2022	02	18.43381906	16	39.21	+18	10	23.4	13.63oVED010T05
K22B07H	C2022	02	18.44486906	14	49.51	+18	21	41.5	13.71oVED010T05
K22B07H	C2022	02	18.45130306	13	45.18	+18	28	16.9	13.66oVED010T05
K22B07H	KC2022	02	18.75008205	19	35.89	+23	28	05.3	13.7 GVED010L18
K22B07H	KC2022	02	18.75027105	19	33.58	+23	28	16.0	13.8 GVED010L18
K22B07H	KC2022	02	18.75044405	19	31.53	+23	28	25.6	13.6 GVED010L18
K22B07H	KC2022	02	18.75063505	19	29.17	+23	28	36.6	13.9 GVED010L18
K22B07H	KC2022	02	18.75083805	19	26.68	+23	28	48.0	13.7 GVED010L18
K22B07H	KC2022	02	18.75100005	19	24.82	+23	28	56.6	13.8 GVED010L18
K22B07H	KC2022	02	18.75115005	19	22.92	+23	29	05.4	13.7 GVED010L18
K22B07H	KC2022	02	18.75134105	19	20.59	+23	29	16.3	13.7 GVED010L18
K22B07H	KC2022	02	18.75155005	19	18.06	+23	29	28.4	13.5 GVED010L18
K22B07H	KC2022	02	18.75174705	19	15.65	+23	29	39.3	13.6 GVED010L18
K22B07H	C2022	02	18.80433	05	08	27.85	+24	18 36.4	14.0 RVED010A92
K22B07H	C2022	02	18.80562	05	08	11.88	+24	19 49.5	12.9 RVED010A92
K22B07H	C2022	02	18.80767	05	07	46.84	+24	21 33.8	13.5 RVED010A92
K22B07H	C2022	02	18.80830	05	07	38.44	+24	22 08.0	13.6 RVED010A92
K22B07H	C2022	02	18.81021	05	07	15.41	+24	23 45.5	13.9 RVED010A92
K22B07H	C2022	02	18.81702	05	05	50.07	+24	29 48.7	13.2 RVED010A92
K22B07H	C2022	02	18.81742	05	05	45.20	+24	30 10.9	13.6 RVED010A92
K22B07H	C2022	02	18.81864	05	05	30.12	+24	31 14.7	13.7 RVED010A92
K22B07H	C2022	02	18.81986	05	05	14.89	+24	32 18.1	13.3 RVED010A92
K22B07H	C2022	02	18.82107	05	04	59.56	+24	33 22.1	13.2 RVED010A92
K22B07H	C2022	02	18.83400	05	02	18.21	+24	44 35.1	13.2 RVED010A92
K22B07H	C2022	02	18.83489	05	02	06.79	+24	45 20.3	14.3 RVED010A92
K22B07H	C2022	02	18.83643	05	01	47.35	+24	46 39.1	13.0 RVED010A92
K22B07H	C2022	02	18.83692	05	01	41.06	+24	47 06.6	13.4 RVED010A92
K22B07H	C2022	02	18.83821	05	01	24.98	+24	48 10.4	13.8 RVED010A92
K22B07H	KC2022	02	18.89392904	49	53.54	+25	34	08.8	14.6 GVED010J95
K22B07H	KC2022	02	18.89564404	49	31.69	+25	35	31.1	14.6 GVED010J95
K22B07H	KC2022	02	18.89686404	49	16.15	+25	36	29.4	14.6 GVED010J95
K22B07H	KC2022	02	18.89901504	48	48.72	+25	38	11.8	14.6 GVED010J95
K22B07H	KC2022	02	18.90013904	48	34.41	+25	39	05.3	14.6 GVED010J95
K22B07H	C2022	02	19.03355	04	20	30.31	+27	18 49.8	15.4 RqED010H45
K22B07H	C2022	02	19.03395	04	20	24.97	+27	19 05.6	15.0 RqED010H45
K22B07H	C2022	02	19.03435	04	20	19.90	+27	19 20.1	14.8 RqED010H45
K22B07H	C2022	02	19.03462	04	20	16.31	+27	19 30.8	15.2 RqED010H45
K22B07H	C2022	02	19.03496	04	20	11.84	+27	19 43.1	15.4 RqED010H45
K22B07H	C2022	02	19.03525	04	20	08.03	+27	19 54.9	15.3 RqED010H45
K22B07H	C2022	02	19.03552	04	20	04.58	+27	20 05.2	15.1 RqED010H45
K22B07H	C2022	02	19.03583	04	20	00.55	+27	20 17.0	15.1 RqED010H45
K22B07H	C2022	02	19.03869	04	19	23.24	+27	22 05.2	15.0 RqED010H45
K22B07H	KC2022	02	19.11401904	03	12.17	+28	06	03.0	14.79GVED010I52
K22B07H	KC2022	02	19.11434104	03	07.99	+28	06	13.0	14.74GVED010I52
K22B07H	KC2022	02	19.11466204	03	03.82	+28	06	22.9	14.77GVED010I52
K22B07H	KC2022	02	19.11498404	02	59.64	+28	06	32.9	14.74GVED010I52
K22B07L	C2022	02	04.52262609	03	23.100	+32	13	23.01	22.84GVED010T12
K22B07L	C2022	02	04.52718709	03	22.518	+32	13	21.83	22.92GVED010T12
K22B08J	1C2022	02	18.15988017	37	26.400	+00	13	57.06	20.1 GVED010Z84
K22B08J	1C2022	02	18.18849217	37	31.600	+00	13	58.66	20.9 GVED010Z84
K22B08J	1C2022	02	18.21809817	37	36.895	+00	14	00.78	20.6 GVED010Z84
K22C00K	KC2022	02	19.44775714	24	35.22	+07	02	08.7	20.61GVED010I52
K22C00K	KC2022	02	19.45076214	24	36.90	+07	01	56.0	20.27GVED010I52
K22C00K	KC2022	02	19.45376614	24	38.57	+07	01	44.0	20.51GVED010I52
K22C00K	KC2022	02	19.45672514	24	40.26	+07	01	32.2	20.69GVED010I52
K22C00L	KC2022	02	08.90890	10	12	01.11	+05	12 27.3	19.0 VZED010K19
K22C00L	KC2022	02	08.91934	10	12	00.29	+05	14 12.3	18.4 VZED010K19
K22C00L	mC2022	02	19.33911710	03	57.83	+25	41	35.2	20.35GVED010I52
K22C00L	mC2022	02	19.34099210	03	57.77	+25	41	44.2	19.42GVED010I52
K22C00L	mC2022	02	19.34281010	03	57.63	+25	41	52.3	20.36GVED010I52
K22C00L	mC2022	02	19.34449910	03	57.54	+25	42	00.3	20.28GVED010I52
K22C00U	KC2022	02	19.09869	07	48	56.40	+29	27 06.9	19.2 RqED010H36
K22C00U	KC2022	02	19.10337	07	48	57.91	+29	27 16.9	19.5 RqED010H36
K22C00U	KC2022	02	19.10842	07	48	59.69	+29	27 28.0	19.7 RqED010H36
K22C00U	mC2022	02	19.14155907	49	12.51	+29	28	39.3	19.39GVED010I52
K22C00U	mC2022	02	19.16986807	49	21.85	+29	29	35.7	19.27GVED010I52
K22C00U	mC2022	02	19.19831707	49	31.20	+29	30	30.6	19.81GVED010I52
K22C00U	mC2022	02	19.20842207	49	34.52	+29	30	50.0	19.45GVED010I52
K22C00V	S2022	02	16.62021	05	17	32.41	-00	44 10.9	19 RLED010C51

K22C00V	S2022	02	16.62021	1+	676.9611	+	6814.9146	-	118.4768	ED010C51	
K22C00V	S2022	02	16.68553	05	17	57.63	-00	46	04.7	LED010C51	
K22C00V	S2022	02	16.68553	1	+	670.1963	+	6815.6747	-	111.9438	ED010C51
K22C00V	S2022	02	16.75085	05	18	22.90	-00	47	59.0	LED010C51	
K22C00V	S2022	02	16.75085	1	+	663.4290	+	6816.4234	-	105.4261	ED010C51
K22C00V	S2022	02	16.81618	05	18	47.90	-00	49	47.9	LED010C51	
K22C00V	S2022	02	16.81618	1	+	656.6691	+	6817.1623	-	98.8365	ED010C51
K22C00V	S2022	02	16.88150	05	19	12.77	-00	51	36.3	LED010C51	
K22C00V	S2022	02	16.88150	1	+	649.9060	+	6817.8814	-	92.2602	ED010C51
K22C00V	mC2022	02	19.11562205	31	53.21	-01	46	16.9		19.54GVED010I52	
K22C00V	mC2022	02	19.11599505	31	53.35	-01	46	17.2		19.74GVED010I52	
K22C00V	mC2022	02	19.11909405	31	54.25	-01	46	21.1		19.59GVED010I52	
K22C00V	mC2022	02	19.11946905	31	54.37	-01	46	21.6		19.87GVED010I52	
K22C01A	1C2022	02	17.82370809	40	11.239+28	09	24.05			20.3 GVED010Z84	
K22C01J	KC2022	02	19.21081608	23	36.23	+39	48	12.9		20.66GVED010I52	
K22C01J	KC2022	02	19.21410308	23	35.62	+39	47	58.2		20.94GVED010I52	
K22C01J	KC2022	02	19.21806108	23	34.88	+39	47	40.5		20.82GVED010I52	
K22C01P	KC2022	02	09.09483	08	32	20.74	+47	39	40.4	17.5 GXED010L63	
K22C01P	KC2022	02	09.10056	08	31	52.97	+47	54	54.1	16.8 GXED010L63	
K22C01Q	mC2022	02	19.13563708	20	01.83	+62	45	36.6		18.87GVED010I52	
K22C01Q	mC2022	02	19.13580208	20	01.56	+62	45	36.5		18.69GVED010I52	
K22C01Q	mC2022	02	19.13768108	19	58.67	+62	45	36.4		18.72GVED010I52	
K22C01Q	mC2022	02	19.13784608	19	58.39	+62	45	36.4		18.75GVED010I52	
K22C01T	KC2022	02	19.45976516	13	44.27	+13	35	15.9		21.04GVED010I52	
K22C01T	KC2022	02	19.46223216	13	46.38	+13	35	30.0		21.71GVED010I52	
K22C01T	KC2022	02	19.46469916	13	48.42	+13	35	42.4		VED010I52	
K22C01T	KC2022	02	19.46716416	13	50.61	+13	35	54.6		VED010I52	
K22C02M	KC2022	02	19.32484108	59	20.84	+68	35	28.9		20.56GVED010I52	
K22C02M	KC2022	02	19.32950308	59	18.42	+68	35	51.6		20.98GVED010I52	
K22C02M	KC2022	02	19.33246108	59	16.83	+68	36	05.7		21.09GVED010I52	
K22C02M	KC2022	02	19.33541908	59	15.33	+68	36	19.9		20.75GVED010I52	
K22C02Q	1C2022	02	17.88296505	45	13.444+40	46	31.06			22.2 GVED010Z84	
K22C02Z	KC2022	02	19.24543909	08	27.53	-16	10	39.3		21.05GVED010I52	
K22C02Z	KC2022	02	19.25079609	08	28.58	-16	11	51.6		21.80GVED010I52	
K22C02Z	KC2022	02	19.25615309	08	29.58	-16	13	04.4		21.12GVED010I52	
K22C02Z	KC2022	02	19.26150909	08	30.64	-16	14	17.9		21.25GVED010I52	
K22C03F	KC2022	02	17.28345	08	21	25.48	+18	00	54.7	17.5 GVED010U52	
K22C03F	KC2022	02	17.28631	08	21	20.93	+18	00	18.3	17.7 GVED010U52	
K22C03F	KC2022	02	17.28917	08	21	16.35	+17	59	41.3	17.6 GVED010U52	
K22C03F	KC2022	02	17.32908	08	20	13.41	+17	51	06.3	17.5 GVED010U52	
K22C03F	KC2022	02	17.33195	08	20	08.95	+17	50	28.5	18.1 GVED010U52	
K22C03F	KC2022	02	17.33480	08	20	04.42	+17	49	51.8	17.5 GVED010U52	
K22C03F	KC2022	02	18.10399	08	03	21.10	+15	10	20.9	18.2 RqED010H36	
K22C03F	KC2022	02	18.10664	08	03	17.41	+15	09	49.6	17.6 RqED010H36	
K22C03F	KC2022	02	18.11061	08	03	11.84	+15	09	02.8	17.5 RqED010H36	
K22C03F	KC2022	02	18.72291307	50	58.56	+13	07	17.5		17.4 GVED010L18	
K22C03F	KC2022	02	18.72430307	50	56.82	+13	07	02.0		17.6 GVED010L18	
K22C03F	KC2022	02	18.72569207	50	55.08	+13	06	46.9		17.9 GVED010L18	
K22C03F	KC2022	02	18.72708107	50	53.32	+13	06	31.6		18.3 GVED010L18	
K22C03F	KC2022	02	18.90515707	47	20.22	+12	32	45.9		17.9 GVED010J95	
K22C03F	KC2022	02	18.90962807	47	14.71	+12	31	55.3		18.0 GVED010J95	
K22C03F	KC2022	02	18.91542807	47	07.54	+12	30	50.1		17.8 GVED010J95	
K22C03F	KC2022	02	18.92027807	47	01.54	+12	29	55.5		18.1 GVED010J95	
K22C03F	mC2022	02	19.13449907	43	20.69	+11	52	09.2		VED010I52	
K22C03F	mC2022	02	19.13466407	43	20.45	+11	52	07.3		VED010I52	
K22C03U	KC2022	02	19.43620314	19	02.38	+25	58	54.0		19.40GVED010I52	
K22C03U	KC2022	02	19.43676814	19	02.97	+25	58	51.8		19.41GVED010I52	
K22C03U	KC2022	02	19.43733514	19	03.49	+25	58	50.6		19.20GVED010I52	
K22C03U	KC2022	02	19.43790214	19	04.04	+25	58	48.4		19.46GVED010I52	
K22C04G	KC2022	02	19.43926814	12	09.00	+17	12	20.3		20.36GVED010I52	
K22C04G	KC2022	02	19.44124014	12	10.30	+17	12	09.5		20.15GVED010I52	
K22C04G	KC2022	02	19.44321514	12	11.56	+17	11	58.1		20.93GVED010I52	
K22C04G	KC2022	02	19.44518914	12	12.85	+17	11	47.4		20.58GVED010I52	
K22C04R	KC2022	02	19.31818811	50	28.00	+60	29	50.7		VED010I52	
K22C04R	KC2022	02	19.32716911	50	26.70	+60	30	00.9		20.27GVED010I52	
K22C04X	KC2022	02	19.43075714	27	56.46	+14	48	47.3		18.45GVED010I52	
K22C04X	KC2022	02	19.43418314	28	17.34	+14	47	20.1		18.67GVED010I52	
K22C04X	KC2022	02	19.43482714	28	21.24	+14	47	03.5		19.47GVED010I52	
K22C04X	KC2022	02	19.43547714	28	25.22	+14	46	47.5		18.71GVED010I52	
K22C05G	6C2022	02	18.38506	10	05	42.40	+03	23	45.3	19.3 GVED010290	
K22C05G	6C2022	02	18.40231	10	05	57.08	+03	24	47.9	19.7 GVED010290	
K22C05G	6C2022	02	18.41637	10	06	09.17	+03	25	38.9	19.7 GVED010290	
K22C05G	mC2022	02	19.27912810	19	31.05	+04	18	44.1		19.13GVED010I52	
K22C05G	mC2022	02	19.28821310	19	39.02	+04	19	18.3		19.24GVED010I52	
K22C05G	mC2022	02	19.29027410	19	40.76	+04	19	25.9		19.15GVED010I52	
K22C06X	mC2022	02	19.27255409	54	45.60	-03	27	29.8		20.06GVED010I52	
K22C06X	mC2022	02	19.27478809	54	45.96	-03	27	20.9		21.64GVED010I52	
K22C06X	mC2022	02	19.27702209	54	46.34	-03	27	12.5		19.98GVED010I52	
K22C07A	KC2022	02	19.29685609	39	47.49	-14	07	56.0		20.54GVED010I52	
K22C07A	KC2022	02	19.29833309	39	47.00	-14	08	03.4		20.17GVED010I52	
K22C07A	KC2022	02	19.29981109	39	46.54	-14	08	11.7		19.93GVED010I52	
K22C07A	KC2022	02	19.30128909	39	46.07	-14	08	19.8		20.11GVED010I52	
K22C07K	6C2022	02	18.44455	12	23	38.36	+60	56	49.5	19.5 GVED010290	
K22C07K	6C2022	02	18.45246	12	23	54.75	+60	58	36.5	19.9 GVED010290	
K22C07K	6C2022	02	18.45974	12	24	09.84	+61	00	16.2	19.9 GVED010290	
K22C07K	mC2022	02	19.32191213	02	59.34	+64	14	14.3		19.29GVED010I52	
K22C07K	mC2022	02	19.32213413	03	00.08	+64	14	17.7		19.04GVED010I52	
K22C07K	mC2022	02	19.32235713	03	00.69	+64	14	20.5		18.77GVED010I52	
K22C07K	mC2022	02	19.32258013	03	01.37	+64	14	23.6		19.09GVED010I52	
04544	C2022	02	18.60930214	55	39.69	-00	55	11.4		18.29oVED010T05	
04544	C2022	02	18.61112914	55	39.83	-00	55	11.9		17.99oVED010T05	
04544	C2022	02	18.61534414	55	40.06	-00	55	14.5		18.18oVED010T05	
04544	C2022	02	18.62038614	55	40.36	-00	55	17.6		18.06oVED010T05	



04660 C2022 02 18.60335015 06 52.33 -20 57 40.6 16.98oVED010T05
04660 C2022 02 18.60517815 06 52.32 -20 57 41.9 17.09oVED010T05
04660 C2022 02 18.60838815 06 52.32 -20 57 42.9 17.03oVED010T05
04660 C2022 02 18.61854715 06 52.30 -20 57 47.7 16.84oVED010T05
05751 C2022 02 18.11593101 17 01.90 -05 29 58.2 19.27rUED010I41
05751 C2022 02 18.11895901 17 02.21 -05 29 56.2 19.45rUED010I41
05751 C2022 02 18.12200001 17 02.46 -05 29 53.6 19.18rUED010I41
05751 C2022 02 18.12804101 17 03.07 -05 29 48.6 19.18rUED010I41
07341 C2022 02 18.12884314 13 28.74 -44 27 46.7 14.75oVED010W68
07341 C2022 02 18.15107614 13 21.59 -44 27 17.5 14.72oVED010W68
07341 C2022 02 18.17383814 13 14.18 -44 26 47.8 14.80oVED010W68
07341 C2022 02 18.19034614 13 08.73 -44 26 26.0 14.70oVED010W68
12711 C2022 02 18.36174905 58 40.17 -15 11 01.2 16.45oVED010T05
12711 C2022 02 18.36496205 58 39.71 -15 11 06.3 16.38oVED010T05
12711 C2022 02 18.37046005 58 38.93 -15 11 15.0 16.23oVED010T05
12711 C2022 02 18.38151805 58 37.40 -15 11 32.8 16.12oVED010T05
18882 C2022 02 18.36266405 41 37.15 -00 42 19.0 17.06oVED010T05
18882 C2022 02 18.36953605 41 37.09 -00 42 32.8 17.08oVED010T05
18882 C2022 02 18.37321505 41 37.02 -00 42 40.6 17.14oVED010T05
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20460 !C2022 02 17.08597 06 00 41.25 -22 42 18.7 17.0 g ED010W84
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20460 !C2022 02 17.09451 06 00 40.43 -22 42 29.7 17.2 g ED010W84
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20460 !C2022 02 18.09467 05 59 10.72 -23 04 08.8 17.0 g ED010W84
37336 C2022 02 17.12331001 20 16.55 +03 36 58.2 18.76rUED010I41
37336 C2022 02 17.12631901 20 17.13 +03 36 58.7 18.84rUED010I41
37336 C2022 02 17.12933001 20 17.66 +03 36 59.0 18.63rUED010I41
37336 C2022 02 18.11641001 23 18.05 +03 38 42.6 18.79rUED010I41
37336 C2022 02 18.11944001 23 18.60 +03 38 42.8 18.89rUED010I41
37336 C2022 02 18.12248001 23 19.15 +03 38 43.1 18.80rUED010I41
37336 C2022 02 18.12550001 23 19.70 +03 38 43.5 18.74rUED010I41
37336 C2022 02 18.12853001 23 20.25 +03 38 43.8 18.83rUED010I41
68350 C2022 02 18.24843 13 59 09.57 +33 59 22.3 17.1 RoED010Z22
68350 C2022 02 18.26712 13 59 10.66 +34 00 07.5 17.6 RoED010Z22
85628 C2022 02 18.61343915 30 20.92 +16 58 18.3 17.63oVED010T05
85628 C2022 02 18.61626115 30 21.12 +16 58 17.8 17.48oVED010T05
85628 C2022 02 18.63371215 30 22.17 +16 58 14.1 17.64oVED010T05
D8971 KC2022 02 17.96115 13 13 28.21 +26 37 49.8 14.5 GXED010J57
D8971 KC2022 02 17.97642 13 13 33.29 +26 38 05.9 14.4 GXED010J57
D8971 KC2022 02 17.99170 13 13 38.33 +26 38 22.0 14.5 GXED010J57
D8971 KC2022 02 18.00699 13 13 43.36 +26 38 37.8 14.4 GXED010J57
D8971 KC2022 02 18.02226 13 13 48.36 +26 38 53.5 14.2 GXED010J57
D8971 KC2022 02 18.03753 13 13 53.32 +26 39 08.7 14.1 GXED010J57
D8971 KC2022 02 18.05281 13 13 58.29 +26 39 24.3 14.3 GXED010J57
D8971 KC2022 02 18.06808 13 14 03.23 +26 39 39.2 14.3 GXED010J57
D8971 KC2022 02 18.08338 13 14 08.15 +26 39 53.9 14.3 GXED010J57
D8971 KC2022 02 18.09867 13 14 13.07 +26 40 08.5 14.2 GXED010J57
D8971 KC2022 02 18.11397 13 14 17.99 +26 40 23.0 14.4 GXED010J57
D8971 KC2022 02 18.12926 13 14 22.92 +26 40 37.2 14.6 GXED010J57
D8971 KC2022 02 18.14556 13 14 28.16 +26 40 52.0 14.8 GXED010J57
D8971 KC2022 02 18.16183 13 14 33.42 +26 41 06.7 14.7 GXED010J57
D8971 KC2022 02 18.17712 13 14 38.35 +26 41 20.1 14.8 GXED010J57
D8971 KC2022 02 18.19243 13 14 43.34 +26 41 33.3 14.9 GXED010J57
D8971 KC2022 02 18.20773 13 14 48.33 +26 41 46.2 14.8 GXED010J57
D8971 KC2022 02 18.22609 13 14 54.35 +26 42 01.4 14.8 GXED010J57
E3637 C2022 02 17.54206919 01 35.76 +14 31 46.8 17.86rUED010I41
E3637 C2022 02 17.54464019 01 35.03 +14 32 09.4 17.91rUED010I41
E3637 C2022 02 17.54979119 01 33.63 +14 32 53.9 18.03rUED010I41
E3637 C2022 02 17.55237019 01 32.90 +14 33 16.6 17.85rUED010I41
E3649 C2022 02 18.63920917 07 11.62 -05 54 01.2 17.86oVED010T05
E3649 C2022 02 18.64240617 07 11.62 -05 54 19.0 18.19oVED010T05
E3649 C2022 02 18.65035817 07 11.68 -05 55 02.5 17.92oVED010T05
E3649 C2022 02 18.66657717 07 11.85 -05 56 31.4 17.82oVED010T05
F3591 V2022 02 08.18712204 11 33.14 +33 32 43.6 15.0 VED010270
F3591 v2022 02 08.1871221 238.06454 +36.59995 33 ED010270
F3591 V2022 02 08.22197704 11 43.86 +33 31 29.5 12.8 VED010270
F3591 v2022 02 08.2219771 238.06454 +36.59995 33 ED010270
F3591 V2022 02 08.25232504 11 53.22 +33 30 26.0 13.8 VED010270
F3591 v2022 02 08.2523251 238.06454 +36.59995 33 ED010270
F3591 V2022 02 08.26059904 11 56.02 +33 30 08.2 15.1 VED010270
F3591 v2022 02 08.2605991 238.06454 +36.59995 33 ED010270
F3591 V2022 02 08.40124504 12 45.00 +33 26 26.5 14.7 VED010270
F3591 v2022 02 08.4012451 151.66009 -32.96852 16 ED010270
F3591 V2022 02 08.44171204 12 57.34 +33 25 02.2 15.2 VED010270
F3591 v2022 02 08.4417121 151.66009 -32.96852 16 ED010270
F3591 V2022 02 08.46280904 13 03.92 +33 24 16.4 14.9 VED010270
F3591 v2022 02 08.4628091 151.66009 -32.96852 16 ED010270
F3591 V2022 02 08.48349204 13 10.40 +33 23 31.8 14.6 VED010270
F3591 v2022 02 08.4834921 151.66009 -32.96852 16 ED010270
F3591 V2022 02 08.87746204 15 23.98 +33 08 37.6 15.1 VED010270
F3591 v2022 02 08.8774621 005.14473 +45.52603 532 ED010270
F3591 V2022 02 08.90228204 15 31.99 +33 07 42.3 14.9 VED010270
F3591 v2022 02 08.9022821 005.14473 +45.52603 532 ED010270
F3591 V2022 02 08.93299404 15 41.99 +33 06 32.7 15.1 VED010270
F3591 v2022 02 08.9329941 005.14473 +45.52603 532 ED010270
F3591 V2022 02 08.96216504 15 51.68 +33 05 27.1 15.2 VED010270
F3591 v2022 02 08.9621651 005.14473 +45.52603 532 ED010270
F3591 V2022 02 09.01498204 16 13.34 +33 04 02.3 14.6 VED010270
F3591 v2022 02 09.0149821 276.64247 +33.90559 171 ED010270
F3591 V2022 02 09.05628604 16 25.62 +33 02 25.8 14.9 VED010270
F3591 v2022 02 09.0562861 286.90040 +40.92648 24 ED010270

F3591	V2022	02	09.08271404	16	34.00	+33	01	25.0	14.8	VED010270	
F3591	v2022	02	09.0827141	286.90040		+40.92648			24	ED010270	
F3591	V2022	02	09.11382104	16	44.26	+33	00	14.2	14.9	VED010270	
F3591	v2022	02	09.1138211	286.90040		+40.92648			24	ED010270	
F3591	V2022	02	09.14510104	16	54.42	+32	59	04.4	15.1	VED010270	
F3591	v2022	02	09.1451011	286.90040		+40.92648			24	ED010270	
F3591	V2022	02	09.23292104	17	23.64	+32	55	51.8	14.6	VED010270	
F3591	v2022	02	09.2329211	276.64247		+33.90559			171	ED010270	
F3591	V2022	02	09.26049804	17	33.18	+32	54	45.9	14.9	VED010270	
F3591	v2022	02	09.2604981	276.64247		+33.90559			171	ED010270	
F3591	V2022	02	09.30612804	17	48.36	+32	53	06.5	14.3	VED010270	
F3591	v2022	02	09.3061281	276.64247		+33.90559			171	ED010270	
F3591	V2022	02	09.50875104	19	01.30	+32	46	03.8	14.9	VED010270	
F3591	v2022	02	09.5087511	135.50854		+34.81767			103	ED010270	
F3591	V2022	02	09.51013004	19	01.74	+32	46	00.1	14.7	VED010270	
F3591	v2022	02	09.5101301	135.50854		+34.81767			103	ED010270	
F3591	V2022	02	09.51150904	19	02.14	+32	45	57.5	14.7	VED010270	
F3591	v2022	02	09.5115091	135.50854		+34.81767			103	ED010270	
F3591	V2022	02	13.92409204	46	58.07	+29	37	33.1	14.9	VED010270	
F3591	v2022	02	13.9240921	016.33587		+48.20420			255	ED010270	
F3591	V2022	02	13.94615404	47	07.44	+29	36	24.3	15.0	VED010270	
F3591	v2022	02	13.9461541	016.33587		+48.20420			255	ED010270	
F3591	V2022	02	13.97048204	47	17.17	+29	35	10.0	14.6	VED010270	
F3591	v2022	02	13.9704821	016.33587		+48.20420			255	ED010270	
F3591	V2022	02	14.00276604	47	30.35	+29	33	29.0	14.5	VED010270	
F3591	v2022	02	14.0027661	016.33587		+48.20420			255	ED010270	
F3591	V2022	02	14.42409004	50	29.14	+29	13	08.0	14.6	VED010270	
F3591	v2022	02	14.4240901	134.35900		+35.08985			216	ED010270	
F3591	V2022	02	14.45352804	50	40.65	+29	11	37.6	14.7	VED010270	
F3591	v2022	02	14.4535281	134.35900		+35.08985			216	ED010270	
F3591	V2022	02	14.48274504	50	52.08	+29	10	07.6	14.6	VED010270	
F3591	v2022	02	14.4827451	134.35900		+35.08985			216	ED010270	
F3591	V2022	02	14.50917304	51	02.47	+29	08	45.1	14.6	VED010270	
F3591	v2022	02	14.5091731	134.35900		+35.08985			216	ED010270	
F3591	C2022	02	18.80577505	23	08.28	+24	58	14.1	14.1	GVED010L18	
F3591	C2022	02	18.80596905	23	08.29	+24	58	14.2	14.5	GVED010L18	
F3591	C2022	02	18.80616605	23	08.30	+24	58	13.9	14.6	GVED010L18	
F3591	C2022	02	18.80636205	23	08.53	+24	58	11.6	14.2	GVED010L18	
F3591	C2022	02	18.80655905	23	08.62	+24	58	10.7	14.1	GVED010L18	
F3591	C2022	02	18.80675605	23	08.72	+24	58	10.0	14.1	GVED010L18	
F3591	C2022	02	18.80695305	23	08.77	+24	58	09.0	14.1	GVED010L18	
F3591	C2022	02	18.80714905	23	08.90	+24	58	08.1	14.1	GVED010L18	
F3591	C2022	02	18.80734605	23	08.96	+24	58	07.7	14.2	GVED010L18	
F3591	C2022	02	18.80754205	23	09.08	+24	58	07.1	14.1	GVED010L18	
F3591	C2022	02	18.80773905	23	09.14	+24	58	06.3	14.1	GVED010L18	
F3591	C2022	02	18.80793605	23	09.26	+24	58	05.9	14.1	GVED010L18	
F3591	C2022	02	18.80813305	23	09.35	+24	58	04.2	14.0	GVED010L18	
F3591	C2022	02	18.80833005	23	09.46	+24	58	03.5	14.2	GVED010L18	
F3591	C2022	02	18.80852705	23	09.49	+24	58	03.2	14.1	GVED010L18	
G2149	!C2022	02	18.08619	06	02	20.21	-21	58	34.7	16.7 g ED010W84	
G2149	!C2022	02	18.09043	06	02	20.76	-21	58	38.4	16.7 g ED010W84	
G2149	!C2022	02	18.09467	06	02	21.29	-21	58	42.1	16.8 g ED010W84	
R7570	KC2022	02	18.81550205	55	01.05	+15	50	37.1	18.6	GVED010L18	
R7570	KC2022	02	18.82151905	55	03.43	+15	50	39.5	18.0	GVED010L18	
R7570	KC2022	02	18.82753705	55	05.74	+15	50	41.2	18.3	GVED010L18	
c5402	C2022	02	18.10464023	55	13.82	+12	39	42.3	18.36	rUED010I41	
c5402	C2022	02	18.10953023	55	16.21	+12	39	50.3	18.12	rUED010I41	
c5402	C2022	02	18.11197023	55	17.40	+12	39	54.5	18.21	rUED010I41	
c5402	C2022	02	18.11441023	55	18.59	+12	39	58.2	18.32	rUED010I41	
c8188	KC2022	02	18.84124710	02	56.40	-05	13	19.2	16.1	GVED010L18	
c8188	KC2022	02	18.84190610	02	56.10	-05	13	16.6	16.6	GVED010L18	
c8188	KC2022	02	18.84256610	02	55.74	-05	13	13.9	16.2	GVED010L18	
c8188	KC2022	02	18.84322510	02	55.41	-05	13	12.0	16.0	GVED010L18	
c8188	KC2022	02	18.84388510	02	55.08	-05	13	10.1	16.1	GVED010L18	
f8265	C2022	02	17.12331001	18	32.80	+07	14	45.3	18.00	rUED010I41	
f8265	C2022	02	17.12631901	18	33.35	+07	14	55.1	17.95	rUED010I41	
f8265	C2022	02	17.12933001	18	33.88	+07	15	05.1	17.88	rUED010I41	
f8265	C2022	02	18.11641001	21	31.51	+08	09	17.3	18.13	rUED010I41	
f8265	C2022	02	18.11944001	21	32.05	+08	09	27.3	18.03	rUED010I41	
f8265	C2022	02	18.12248001	21	32.58	+08	09	37.2	18.14	rUED010I41	
f8265	C2022	02	18.12550001	21	33.11	+08	09	47.1	18.07	rUED010I41	
f8265	C2022	02	18.12853001	21	33.64	+08	09	57.1	18.01	rUED010I41	
j5176	KC2022	02	17.90807	11	45	33.48	+37	53	06.9	16.7	GVED010130
j5176	KC2022	02	17.90882	11	45	33.65	+37	53	21.5	17.0	GVED010130
j5176	KC2022	02	17.90957	11	45	33.82	+37	53	37.0	17.0	GVED010130
j5176	KC2022	02	17.91032	11	45	34.02	+37	53	51.7	16.7	GVED010130
j5176	KC2022	02	18.84749711	51	27.80	+43	59	01.6	16.3	GVED010L18	
j5176	KC2022	02	18.84793811	51	28.06	+43	59	13.4	15.7	GVED010L18	
j5176	KC2022	02	18.84836611	51	28.20	+43	59	25.5	16.3	GVED010L18	
j5176	KC2022	02	18.84921711	51	28.62	+43	59	49.6	15.8	GVED010L18	
l5665	C2022	02	18.60243515	04	23.63	-10	22	32.2	18.00	oVED010T05	
l5665	C2022	02	18.60426415	04	24.04	-10	22	31.9	18.07	oVED010T05	
l5665	C2022	02	18.60701315	04	24.57	-10	22	32.4	18.04	oVED010T05	
l5665	C2022	02	18.61580115	04	26.41	-10	22	34.1	18.15	oVED010T05	
p2244	C2022	02	18.11641001	12	49.01	+05	16	53.6	19.58	rUED010I41	
p2244	C2022	02	18.11944001	12	50.17	+05	16	54.8	19.59	rUED010I41	
p2244	C2022	02	18.12248001	12	51.31	+05	16	55.9	19.54	rUED010I41	
p2244	C2022	02	18.12550001	12	52.45	+05	16	56.6	19.72	rUED010I41	
p2244	C2022	02	18.12853001	12	53.61	+05	16	57.8	19.40	rUED010I41	
q3590	KC2022	02	17.92886	09	50	11.16	+28	29	18.8	18.6	GVED010130
q3590	KC2022	02	17.93343	09	50	11.22	+28	29	47.6	18.4	GVED010130
q3590	KC2022	02	18.83430909	50	36.30	+29	58	34.7	17.2	GVED010L18	
q3590	KC2022	02	18.83627509	50	36.40	+29	58	45.9	17.9	GVED010L18	

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