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## MPEC 2021-Y47 : DAILY ORBIT UPDATE (2021 December 21)

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M.P.E.C. 2021-Y47

Issued 2021 December 21, 12:03 UT

The Minor Planet Electronic Circulars contain information on unusual minor planets and routine data on comets. They are published on behalf of Division F of the International Astronomical Union by the Minor Planet Center, Smithsonian Astrophysical Observatory, Cambridge, MA 02138, U.S.A.

Prepared using the Tamkin Foundation Computer Network

MPC@CFA.HARVARD.EDU  
 URL <https://www.minorplanetcenter.net/>    ISSN 1523-6714

DAILY ORBIT UPDATE (2021 December 21)

Update to 2021-Y44

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

**New identifications:**

K08GC60	K16P50U	Weryk
K15AR5C	K09V58W	Weryk
K02GJ0U	K15PK7E	Weryk
K14OM2C	K14OP6V	Weryk
K11S72Q	K14N26Y	Weryk
K04VB80	K21Q17R	Weryk
K21TA3B	K10MC1Z	Doppler
K21T99F	K06C63Q	Doppler
K06B48H	K14O60R	Weryk
K14QJ3B	K18V47R	Weryk

**New old-numbered orbit:**

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
01862	16.1	0.15	K221L	60.202	286.039	35.569	6.353	0.56004	1.47050	31	V

**New multiple-opposition orbits:**

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J94B02X	18.2	0.15	K221L	29.537	318.845	95.754	6.422	0.14114	2.31718	7	X
J95Y01T	20.8	0.15	K221L	5.439	178.197	273.330	4.975	0.42439	2.40521	2	p
J96X07T	16.6	0.15	K221L	165.699	109.945	170.254	3.406	0.03261	2.90400	15	X
J98T22Y	16.4	0.15	K221L	1.087	62.314	11.628	9.544	0.20088	3.17162	10	X
J99T87J	17.3	0.15	K221L	39.794	327.395	55.437	10.436	0.17261	2.68073	7	X
J99XD50	16.8	0.15	K221L	330.952	254.049	253.969	20.227	0.51148	3.13057	4	X
J99XE8A	17.1	0.15	K221L	37.858	161.675	238.822	7.735	0.12246	3.09976	5	X
K00J94X	16.6	0.15	K221L	296.440	74.314	126.983	14.590	0.15259	2.75009	8	X
K00R52P	17.1	0.15	K221L	7.977	77.514	319.683	26.663	0.44256	2.60878	4	X
K00S07G	17.8	0.15	K221L	38.320	253.570	134.639	3.938	0.26939	2.58158	7	X
K00T43E	18.2	0.15	K221L	46.613	304.423	57.986	6.610	0.35775	2.58516	5	X
K00W37X	18.6	0.15	K221L	33.371	198.973	192.528	4.247	0.31820	2.30423	5	X
K00YE6F	18.2	0.15	K221L	47.545	266.646	112.583	5.703	0.23198	2.31440	7	X
K01D11B	17.3	0.15	K221L	13.572	328.536	135.400	6.204	0.25570	2.60713	8	X
K01DB3J	15.9	0.15	K221L	214.931	312.818	279.302	13.717	0.12652	3.10856	12	X
K01DB4M	16.4	0.15	K221L	23.672	49.127	329.693	10.983	0.19552	2.68594	11	X
K01FF1S	16.0	0.15	K221L	293.558	78.825	93.872	17.318	0.18722	3.11353	12	X
K01P19E	18.1	0.15	K221L	80.945	249.805	97.344	6.549	0.20277	2.19657	9	X

K01W04C	17.2	0.15	K221L	24.739	175.202	227.989	4.179	0.28719	2.93071	5 X
K02AL0U	17.2	0.15	K221L	322.834	329.334	171.608	5.978	0.17079	2.53936	13 X
K02CV6U	16.7	0.15	K221L	290.176	128.544	42.900	7.455	0.24188	2.55031	9 X
K02GJ0U	16.3	0.15	K221L	139.623	173.967	45.565	17.283	0.14327	3.20704	6 V
K02L46C	14.9	0.15	K221L	240.668	312.896	259.849	22.914	0.27067	3.13162	10 X
K02TV4C	17.4	0.15	K221L	5.094	325.508	117.381	9.045	0.19698	2.79769	7 X
K02TY2B	17.7	0.15	K221L	0.646	307.690	142.083	5.737	0.19885	2.41333	10 X
K02Tb7K	17.2	0.15	K221L	21.501	286.767	164.852	8.031	0.20582	2.77328	7 X
K02U80L	16.6	0.15	K221L	80.704	287.669	52.876	14.068	0.13803	2.81210	10 X
K02VE2T	18.0	0.15	K221L	40.790	196.622	194.740	4.375	0.23061	2.42559	7 X
K02W00Z	19.4	0.15	K221L	34.438	189.407	241.468	4.541	0.26995	1.93216	7 X
K02X37N	19.4	0.15	K221L	356.955	191.407	272.972	11.202	0.49412	2.81092	2 X
K02X40P	20.0	0.15	K221L	350.258	70.960	73.645	3.774	0.29619	1.64456	6 X
K02X99A	17.1	0.15	K221L	42.126	159.810	259.928	7.475	0.22682	2.79442	9 X
K03SZ4W	18.4	0.15	K221L	62.900	94.687	264.214	5.182	0.22098	2.31986	5 X
K03Sd9X	17.6	0.15	K221L	29.339	337.613	53.799	16.810	0.21710	2.71339	4 X
K03T60V	15.9	0.15	K221L	353.622	250.419	250.622	15.646	0.13515	3.16127	10 X
K03UB1D	16.9	0.15	K221L	1.031	40.101	36.183	12.960	0.17004	2.71616	11 X
K03UD0G	16.4	0.15	K221L	204.286	25.136	257.064	9.389	0.10668	2.64101	10 X
K03Ue7A	16.8	0.15	K221L	289.926	105.603	52.420	14.426	0.03882	2.67105	10 X
K03Uf8R	17.9	0.15	K221L	32.819	268.191	141.689	3.762	0.12603	2.32354	10 X
K03Uu0Q	16.4	0.15	K221L	67.055	94.630	265.994	14.319	0.10732	3.21360	8 X
K03WL7T	18.3	0.15	K221L	38.303	301.425	88.462	8.995	0.22215	2.33838	7 X
K03Y67O	17.1	0.15	K221L	14.731	247.216	222.991	7.624	0.09287	2.67537	11 X
K04A08F	18.0	0.15	K221L	41.463	314.164	126.679	24.410	0.07889	1.87349	8 X
K04G50Q	16.6	0.15	K221L	183.905	253.305	6.769	5.520	0.02861	2.86920	15 X
K04P08X	17.5	0.15	K221L	50.525	30.252	314.575	6.823	0.27825	2.59745	5 X
K04R72X	18.3	0.15	K221L	66.912	185.574	163.281	4.690	0.26650	2.24034	10 X
K04RC8S	19.1	0.15	K221L	21.421	249.738	175.322	4.795	0.10895	2.22236	7 X
K04RK9C	17.2	0.15	K221L	48.432	95.713	277.737	12.333	0.17720	2.57755	8 X
K04T64S	17.4	0.15	K221L	63.364	323.188	34.893	5.032	0.17775	2.59642	7 X
K04TF7P	16.7	0.15	K221L	288.511	304.052	229.132	13.103	0.15421	2.58921	14 X
K04TK9F	17.4	0.15	K221L	52.421	356.790	11.181	10.020	0.16139	2.59390	8 X
K04TO2D	18.3	0.15	K221L	36.299	344.049	40.354	26.688	0.17257	2.26300	2 X
K04V32D	17.2	0.15	K221L	338.848	30.421	60.106	15.543	0.23423	3.18153	3 V
K04V90A	16.7	0.15	K221L	33.902	139.277	246.337	13.286	0.27146	3.17881	4 X
K04VB8O	19.3	0.15	K221L	9.616	344.798	42.240	7.109	0.11800	2.28109	6 X
K04W14K	16.7	0.15	K221L	324.429	244.876	247.694	14.628	0.18720	3.16421	6 X
K04X04E	16.2	0.15	K221L	57.783	265.698	124.554	16.745	0.30862	3.13935	8 X
K04XI4J	16.8	0.15	K221L	78.228	57.870	287.014	9.765	0.17257	2.63845	8 X
K04XJ6R	17.6	0.15	K221L	58.567	275.891	103.472	6.817	0.09759	2.63672	10 X
K04XJ9S	18.1	0.15	K221L	37.862	106.487	273.705	11.126	0.26009	2.63086	4 X
K05A75W	18.8	0.15	K221L	32.044	282.603	120.973	7.032	0.22782	2.28046	4 X
K05C07U	15.8	0.15	K221L	350.977	214.629	291.348	27.111	0.24552	3.19193	7 X
K05GHOH	17.1	0.15	K221L	310.794	277.507	224.067	3.467	0.09597	2.73707	13 X
K05Uq4Z	17.5	0.15	K221L	42.307	185.783	181.233	21.966	0.07565	3.04725	4 V
K05X98T	18.2	0.15	K221L	27.746	346.158	44.631	4.443	0.32573	3.03560	3 X
K05Y96Q	20.6	0.15	K221L	217.060	340.121	282.678	22.225	0.33351	0.74342	5 X
K05YJ9V	17.6	0.15	K221L	16.324	21.242	32.434	3.374	0.19901	3.09209	5 X
K05YM5O	17.5	0.15	K221L	59.291	258.282	101.660	3.424	0.22398	2.54351	7 X
K05YP6G	16.6	0.15	K221L	338.941	176.374	279.432	14.280	0.16418	3.11884	5 X
K05YQ2P	15.9	0.15	K221L	316.184	210.846	279.941	17.576	0.18164	3.09613	9 X
K06A09M	16.6	0.15	K221L	131.322	62.265	284.454	33.147	0.06995	2.51074	6 X
K06AA3D	18.4	0.15	K221L	38.122	128.374	263.083	8.494	0.20854	2.57468	4 X
K06AB7S	17.2	0.15	K221L	62.721	70.443	276.998	13.416	0.21377	2.57512	7 X
K06B48H	16.6	0.15	K221L	228.916	74.654	117.631	12.010	0.07067	3.18821	6 V
K06BQ2W	17.7	0.15	K221L	46.103	286.630	129.641	13.743	0.16580	2.54044	8 X
K06BS7K	17.7	0.15	K221L	70.787	249.941	142.001	5.255	0.19442	2.52016	8 X
K06C05T	17.6	0.15	K221L	29.708	133.637	262.570	6.187	0.27762	2.55805	7 X
K06DJ9V	15.8	0.15	K221L	333.875	246.151	277.046	13.260	0.16605	3.07541	9 X
K06E44J	16.6	0.15	K221L	332.915	81.588	45.229	25.599	0.29980	3.14803	7 X
K06J11V	16.7	0.15	K221L	107.628	203.394	128.611	6.870	0.03143	2.68603	13 X
K06O05A	19.7	0.15	K221L	38.234	87.431	308.432	10.833	0.37839	1.52399	4 X
K06QI8V	17.8	0.15	K221L	101.871	209.464	121.318	6.309	0.13952	2.34881	11 X
K06SR6P	18.3	0.15	K221L	34.872	266.008	132.422	3.194	0.19846	2.38439	7 X
K06VH2U	19.1	0.15	K221L	4.958	78.489	4.441	1.485	0.18921	2.40029	5 X
K06VH6U	17.9	0.15	K221L	353.576	33.760	58.783	8.189	0.13424	2.39362	7 X
K06W86U	17.5	0.15	K221L	336.111	28.708	85.925	14.051	0.11322	2.92304	4 X
K06W89D	18.1	0.15	K221L	341.014	120.622	348.552	2.099	0.16479	2.42486	8 X
K06X22R	18.5	0.15	K221L	34.025	259.356	142.062	1.523	0.17784	2.41789	8 X
K06X74W	17.7	0.15	K221L	58.000	252.172	115.777	3.224	0.18534	2.43940	10 X
K06Y02M	17.6	0.15	K221L	22.762	206.635	254.900	6.318	0.07458	2.38119	9 X
K06Y25U	16.3	0.15	K221L	67.109	262.891	91.350	13.941	0.18310	2.97588	13 X
K07D73R	17.2	0.15	K221L	72.557	352.505	348.660	4.014	0.16877	2.54133	9 X
K07G46W	15.9	0.15	K221L	66.025	314.407	54.874	18.011	0.01105	3.19909	9 X
K07HA4O	16.0	0.15	K221L	282.113	106.793	76.902	26.925	0.22653	3.06848	10 X
K07RK7O	18.3	0.15	K221L	62.770	333.724	23.497	4.190	0.26598	2.27957	6 X
K07TX2L	18.7	0.15	K221L	48.507	33.603	347.326	1.856	0.20268	2.29326	4 X
K07Tg0A	17.6	0.15	K221L	38.931	99.181	268.341	14.057	0.32589	2.76518	6 X
K07V43N	16.6	0.15	K221L	208.674	352.428	246.784	15.090	0.04212	2.74683	10 X
K07VD6F	18.4	0.15	K221L	52.266	302.750	68.317	4.421	0.23940	2.29356	5 X
K07VE8M	18.9	0.15	K221L	40.723	160.213	227.190	6.664	0.25228	2.30231	4 X
K07VG3Q	16.9	0.15	K221L	302.737	104.200	55.063	13.839	0.14995	2.77878	9 X
K07VM3K	18.2	0.15	K221L	32.950	294.798	109.748	7.177	0.12761	2.29994	7 X
K07VO2M	19.3	0.15	K221L	37.117	271.805	113.581	7.024	0.32239	2.30078	3 X
K07VW0V	17.7	0.15	K221L	31.112	253.421	147.901	5.113	0.19853	2.77804	5 X
K07Va6M	18.3	0.15	K221L	32.795	313.129	89.855	7.478	0.20556	2.32986	5 X
K07X60Z	17.9	0.15	K221L	58.454	130.511	272.490	23.110	0.18527	2.29160	4 X
K07Y49M	18.7	0.15	K221L	11.888	107.969	323.898	1.481	0.18534	2.32459	7 X
K08B46L	17.4	0.15	K221L	21.296	313.583	136.748	13.030	0.30646	2.79763	5 X
K08B57A	18.1	0.15	K221L	19.215	172.500	276.172	24.372	0.25032	2.28653	4 X
K08C81X	18.4	0.15	K221L	337.389	6.027	112.664	3.772	0.16432	2.34548	9 X
K08F10W	18.6	0.15	K221L	345.605	168.094	298.598	1.263	0.11129	2.35989	7 X

K08GC60	18.5	0.15	K221L	14.594	68.543	70.548	7.147	0.04762	2.32139	5 V
K08H16F	16.1	0.15	K221L	101.535	243.096	95.017	9.813	0.05311	3.06653	10 X
K08O27P	17.4	0.15	K221L	53.353	266.713	124.312	18.041	0.31261	2.55960	5 X
K08P24X	17.2	0.15	K221L	65.350	306.955	41.766	15.649	0.17213	2.58825	6 X
K08R03K	17.7	0.15	K221L	58.084	172.907	192.918	4.600	0.23665	2.60418	6 X
K08R88D	16.8	0.15	K221L	348.094	88.040	351.221	26.006	0.42271	2.67344	4 X
K08RH3R	17.1	0.15	K221L	61.064	81.664	268.192	15.830	0.22236	2.60645	7 X
K08S83S	17.8	0.15	K221L	353.680	241.077	211.800	4.917	0.15016	2.61895	8 X
K08S15S	17.3	0.15	K221L	358.700	250.821	232.674	8.064	0.14084	2.54661	9 X
K08SJ9C	16.8	0.15	K221L	28.612	173.987	238.538	8.598	0.03601	2.55541	11 X
K08SM6R	17.4	0.15	K221L	356.307	41.956	45.756	13.649	0.24123	2.64293	5 X
K08SO3Y	18.4	0.15	K221L	30.605	200.578	193.355	4.330	0.27326	2.63251	5 X
K08ST1Z	17.9	0.15	K221L	20.924	18.181	13.831	7.726	0.40659	2.64861	3 X
K08ST2K	17.6	0.15	K221L	41.887	149.291	232.197	12.815	0.26691	2.61112	4 X
K08TJ8G	17.4	0.15	K221L	11.127	19.282	42.316	17.948	0.30397	2.67445	6 X
K08TMOS	17.2	0.15	K221L	17.181	202.052	256.272	10.754	0.19386	2.58403	9 X
K08UD6E	17.5	0.15	K221L	79.655	293.614	42.066	6.073	0.23966	2.62959	6 X
K08V46R	17.4	0.15	K221L	27.950	339.615	56.474	14.780	0.24801	2.65910	4 X
K08V63C	18.9	0.15	K221L	351.772	51.756	53.032	6.135	0.15313	2.18149	6 X
K08W11F	17.5	0.15	K221L	39.122	317.480	65.782	13.295	0.23675	2.65291	4 X
K08WAOO	18.8	0.15	K221L	39.507	156.892	253.019	20.279	0.07385	1.89011	7 X
K08WE4K	17.1	0.15	K221L	355.031	172.148	271.724	8.096	0.08947	2.71982	9 X
K08WF2L	17.9	0.15	K221L	20.722	321.288	90.718	14.589	0.24310	2.67213	3 X
K08X04K	17.5	0.15	K221L	0.226	167.508	269.328	12.870	0.22556	2.67238	4 X
K08X25X	17.4	0.15	K221L	340.125	54.060	64.597	31.526	0.27076	2.66241	3 X
K08X41J	18.4	0.15	K221L	70.435	86.081	264.438	17.960	0.10911	1.90354	7 X
K08X44B	17.8	0.15	K221L	356.655	38.857	51.623	14.084	0.22758	2.65430	6 X
K08Y39O	17.8	0.15	K221L	334.018	28.110	98.429	11.912	0.17230	2.69133	6 X
K08Y39U	17.2	0.15	K221L	11.875	97.896	335.068	5.021	0.11979	2.69913	10 X
K08Y11J	17.6	0.15	K221L	36.157	303.977	89.866	14.149	0.26173	2.65596	4 X
K09A00J	16.6	0.15	K221L	93.324	73.555	275.181	27.397	0.37508	2.60891	6 X
K09A23V	17.6	0.15	K221L	353.240	354.940	104.222	6.713	0.11209	2.69304	10 X
K09B11Q	17.4	0.15	K221L	10.535	324.112	142.005	14.116	0.21281	2.65471	7 X
K09BJ5V	17.9	0.15	K221L	323.639	55.890	87.491	13.777	0.22595	2.69415	5 X
K09E39R	16.9	0.15	K221L	348.288	256.151	253.655	11.324	0.21185	2.68790	9 X
K09J10N	18.3	0.15	K221L	285.453	118.272	38.955	20.730	0.08447	1.95139	7 X
K09O15D	16.4	0.15	K221L	45.980	235.902	179.170	8.663	0.21184	3.08192	10 X
K09Q45Q	17.9	0.15	K221L	60.499	185.152	204.717	3.449	0.24294	2.44671	6 X
K09T02Q	15.6	0.15	K221L	102.926	269.423	43.681	13.923	0.12339	3.18446	10 X
K09UG6G	15.4	0.15	K221L	137.708	73.343	272.070	20.199	0.03406	3.24996	8 X
K09V63F	15.9	0.15	K221L	325.501	278.761	244.808	8.145	0.02798	3.16983	12 X
K09WD9D	17.3	0.15	K221L	48.897	35.616	311.687	13.448	0.30675	2.55513	5 X
K10A26C	17.2	0.15	K221L	245.850	93.725	112.636	4.403	0.03408	2.58749	13 X
K10A84D	16.4	0.15	K221L	48.878	147.201	295.517	22.655	0.06455	2.57735	11 X
K10CK6L	13.6	0.15	K221L	348.183	159.288	272.724	18.690	0.07878	5.27381	10 X
K10CO3J	13.3	0.15	K221L	38.591	131.726	253.213	27.092	0.11844	5.14440	7 X
K10CO3N	16.5	0.15	K221L	282.627	170.828	298.889	28.028	0.02855	2.57783	6 X
K10E06L	15.8	0.15	K221L	333.216	248.239	279.924	15.615	0.14617	3.19477	11 X
K10F58G	15.5	0.15	K221L	26.845	213.936	254.584	12.343	0.07980	3.21681	11 X
K10F73L	16.5	0.15	K221L	45.562	320.143	42.220	30.369	0.22677	2.58514	7 X
K10FC6R	17.0	0.15	K221L	296.098	285.646	275.023	26.620	0.13417	2.65325	5 X
K10H62Z	18.0	0.15	K221L	1.806	177.530	262.376	12.684	0.20535	2.56766	5 X
K10J08F	17.7	0.15	K221L	339.061	47.387	67.637	12.838	0.12969	2.57292	6 X
K10K45J	17.9	0.15	K221L	56.268	304.408	64.082	23.622	0.19413	2.32645	4 X
K10K66M	18.6	0.15	K221L	88.702	87.632	282.872	21.943	0.23701	2.28953	4 V
K10L79P	16.9	0.15	K221L	44.878	69.007	312.307	7.709	0.06492	2.98301	7 X
K10L81F	17.5	0.15	K221L	71.427	274.221	5.922	9.773	0.21156	3.11131	3 V
K10LE1C	17.3	0.15	K221L	325.817	76.103	54.382	5.567	0.12500	2.60553	10 X
K10O01V	16.6	0.15	K221L	311.199	212.759	275.721	8.399	0.03098	3.01058	7 X
K10R49F	17.2	0.15	K221L	190.585	23.691	343.106	12.824	0.25964	2.70361	8 X
K10RB4E	18.7	0.15	K221L	34.685	178.810	223.104	5.176	0.22176	2.34471	7 X
K10RJ5V	18.9	0.15	K221L	46.174	337.383	46.568	2.198	0.19678	2.36389	5 X
K10S13X	16.9	0.15	K221L	8.775	39.694	25.364	5.685	0.29331	3.07642	5 X
K10S42A	17.6	0.15	K221L	12.416	121.240	280.733	12.688	0.36325	3.12507	4 X
K10TDOG	17.5	0.15	K221L	26.626	350.977	47.596	7.111	0.23575	3.06983	5 X
K10U35R	18.9	0.15	K221L	131.260	229.090	132.831	2.099	0.24566	2.25831	3 V
K10U69M	18.5	0.15	K221L	49.098	332.549	43.099	5.867	0.25605	2.35504	5 X
K10V14O	17.1	0.15	K221L	44.968	314.893	57.137	12.710	0.29693	3.08856	6 X
K10VKOY	16.6	0.15	K221L	7.889	351.455	81.587	12.735	0.30529	3.09973	5 X
K10W10Z	18.5	0.15	K221L	5.043	187.440	259.527	18.445	0.09705	1.95460	5 X
K10X04F	18.2	0.15	K221L	347.493	244.963	265.699	17.284	0.08891	1.95265	6 X
K10X42S	19.4	0.15	K221L	22.870	275.786	138.945	2.869	0.30235	2.36710	3 X
K10X99C	17.9	0.15	K221L	338.539	47.179	69.644	12.089	0.12706	2.38491	6 X
K10XB1P	16.8	0.15	K221L	13.330	182.616	246.360	11.142	0.20974	3.10914	6 X
K10Y00Q	16.6	0.15	K221L	333.232	201.208	275.044	16.506	0.20458	3.15552	7 X
K10Y04Z	16.0	0.15	K221L	61.683	137.906	242.102	7.833	0.01886	3.12672	12 X
K11A07U	18.2	0.15	K221L	44.008	273.682	108.837	4.467	0.25219	2.40561	8 X
K11A19Q	16.9	0.15	K221L	340.600	245.328	273.099	23.619	0.27316	3.09863	3 X
K11A72U	16.9	0.15	K221L	331.948	281.959	240.580	6.362	0.14960	2.38196	13 X
K11B13Z	17.1	0.15	K221L	340.659	11.274	103.601	9.158	0.16926	2.42607	7 X
K11BF3G	16.8	0.15	K221L	34.979	120.587	278.391	11.769	0.13646	3.04309	5 X
K11CC4E	18.0	0.15	K221L	62.653	100.877	267.504	6.209	0.13899	2.46608	4 X
K11D54C	15.8	0.15	K221L	329.393	254.886	279.864	23.371	0.22996	3.16782	8 X
K11G07H	17.3	0.15	K221L	34.344	356.656	34.578	11.505	0.17060	2.53130	6 X
K11P14E	18.4	0.15	K221L	10.064	104.618	293.603	22.352	0.37590	2.23797	4 X
K11S72Q	19.8	0.15	K221L	95.025	143.620	205.948	3.061	0.20698	2.16350	2 V
K11U23Z	18.7	0.15	K221L	13.106	205.398	233.047	4.917	0.14266	2.20645	4 X
K11UH2D	17.5	0.15	K221L	45.658	196.223	234.274	12.979	0.17554	2.77302	5 X
K11UV3R	17.1	0.15	K221L	5.648	346.526	94.196	7.995	0.22609	2.85784	10 X
K11WG1A	18.8	0.15	K221L	33.475	42.534	350.930	7.294	0.21857	2.25378	4 X
K11Y03P	17.7	0.15	K221L	15.507	9.463	61.563	7.054	0.17562	2.24864	8 X
K11Y04B	18.2	0.15	K221L	349.070	334.974	131.102	3.573	0.08133	2.22449	10 X
K11Y10Q	19.0	0.15	K221L	35.189	239.037	124.755	2.397	0.52161	2.24183	3 X

K11Y11N	16.8	0.15	K221L	342.840	173.294	279.027	7.688	0.17707	2.99308	5 X
K12A07D	16.2	0.15	K221L	311.576	194.505	290.364	15.880	0.15286	3.04863	7 X
K12A25F	16.6	0.15	K221L	2.854	167.583	261.153	9.987	0.11500	3.03171	7 X
K12B03K	16.5	0.15	K221L	326.993	184.942	292.549	8.341	0.03217	3.00277	9 X
K12B51J	16.4	0.15	K221L	296.242	213.116	295.836	11.720	0.13449	3.04600	8 X
K12C16V	17.8	0.15	K221L	351.234	318.799	143.231	5.965	0.23805	3.01071	4 X
K12C43W	15.3	0.15	K221L	121.938	31.127	273.363	14.982	0.06051	3.12457	12 X
K12C46G	16.7	0.15	K221L	9.373	6.975	62.443	12.620	0.11124	3.01714	9 X
K12J30G	17.6	0.15	K221L	49.804	285.282	56.101	29.314	0.37573	2.59917	3 X
K12L09P	17.1	0.15	K221L	72.360	111.011	232.550	4.222	0.29165	2.54950	8 X
K12L24O	17.4	0.15	K221L	65.175	115.753	228.026	12.225	0.30446	2.56049	4 X
K12L25S	18.1	0.15	K221L	72.735	284.629	114.609	24.404	0.11409	1.96675	8 X
K12M17Y	17.1	0.15	K221L	27.964	147.998	255.650	12.507	0.14702	2.56444	8 X
K12Q70A	17.7	0.15	K221L	46.905	245.006	138.729	6.002	0.18392	2.63845	6 X
K12S97E	18.0	0.15	K221L	18.561	29.341	7.974	9.819	0.32987	2.69546	3 X
K12TU4T	17.1	0.15	K221L	23.683	227.865	212.848	7.339	0.25985	2.65709	9 X
K12U18K	20.3	0.15	K221L	12.591	121.238	297.493	5.573	0.44622	2.72390	2 X
K12U29O	17.0	0.15	K221L	44.170	105.590	273.716	11.968	0.11790	2.69352	8 X
K12U44D	16.8	0.15	K221L	340.168	189.330	276.448	12.624	0.20667	2.68353	7 X
K12U44J	17.3	0.15	K221L	40.782	85.199	293.542	10.040	0.17314	2.69404	8 X
K12UF9Q	17.2	0.15	K221L	352.665	336.166	116.293	7.572	0.10653	2.67316	9 X
K12UM4X	17.4	0.15	K221L	10.673	195.694	266.262	12.397	0.22385	2.63346	6 X
K12V16Y	17.0	0.15	K221L	331.319	53.211	71.009	22.415	0.13611	2.73204	7 X
K12V64V	17.9	0.15	K221L	37.870	160.528	228.723	7.132	0.25161	2.68255	6 X
K12V69R	17.8	0.15	K221L	71.234	243.102	123.160	3.668	0.10184	2.67918	9 X
K12V99Y	17.3	0.15	K221L	0.306	167.530	262.672	13.060	0.22380	2.73761	5 X
K12W15L	16.6	0.15	K221L	264.803	321.451	257.464	8.670	0.01299	2.62887	11 X
K12XD5S	17.8	0.15	K221L	337.173	218.323	261.362	13.286	0.29540	2.76877	2 X
K12XF5W	16.7	0.15	K221L	352.891	9.395	90.971	14.837	0.14094	2.76504	11 X
K12XF6S	17.1	0.15	K221L	0.214	206.012	278.035	18.111	0.25653	2.69056	5 X
K12Y23U	16.6	0.15	K221L	8.321	146.552	266.462	14.282	0.44695	4.32733	2 X
K13A15U	15.9	0.15	K221L	331.513	208.093	297.673	27.642	0.16075	2.77626	8 X
K13A48A	17.9	0.15	K221L	20.111	295.005	120.582	3.314	0.23313	2.72583	5 X
K13A93A	17.1	0.15	K221L	353.424	6.651	127.023	12.622	0.17572	2.71905	8 X
K13AG1L	18.4	0.15	K221L	4.035	202.257	244.206	9.303	0.20571	2.76952	5 X
K13C57J	17.3	0.15	K221L	2.247	229.785	250.686	8.272	0.13686	2.75142	8 X
K13H05X	17.0	0.15	K221L	135.140	183.134	115.182	7.531	0.16293	2.28743	15 X
K13P36N	16.9	0.15	K221L	59.763	96.343	262.945	3.635	0.23047	2.43664	14 X
K13Q59H	17.2	0.15	K221L	34.473	204.029	124.321	3.106	0.30219	3.92449	2 V
K13R63J	18.0	0.15	K221L	327.604	319.035	169.449	1.357	0.13057	2.39206	11 X
K13S44D	18.3	0.15	K221L	31.467	211.101	191.509	3.885	0.26324	2.47073	5 X
K13T66D	18.1	0.15	K221L	31.373	105.248	298.759	5.657	0.16245	2.46605	7 X
K13W50E	17.8	0.15	K221L	41.645	23.858	338.780	6.944	0.26127	2.53672	4 X
K13W68H	17.0	0.15	K221L	47.576	92.495	268.416	14.226	0.16211	2.54448	6 X
K13WD4C	17.8	0.15	K221L	59.260	305.067	51.645	5.603	0.26684	2.56033	5 X
K13X03L	18.0	0.15	K221L	352.425	216.268	276.588	17.979	0.07468	1.93848	6 X
K13X22W	18.9	0.15	K221L	73.277	109.337	258.999	19.490	0.07430	1.92885	4 X
K13X39F	17.0	0.15	K221L	58.580	96.956	267.634	17.630	0.20380	2.56665	7 X
K13Y00P	18.2	0.15	K221L	44.894	151.129	283.078	19.393	0.06556	1.91033	5 X
K13Y09K	17.8	0.15	K221L	47.183	269.876	99.388	11.823	0.29379	2.56993	5 X
K13Y17W	17.8	0.15	K221L	42.234	293.729	119.893	27.325	0.22720	2.53253	4 X
K13Y29A	18.1	0.15	K221L	36.881	95.272	295.362	3.230	0.24812	2.57064	6 X
K13Y31A	16.1	0.15	K221L	335.316	171.254	261.972	33.339	0.18358	2.60910	4 X
K13Y49K	18.4	0.15	K221L	28.748	273.368	123.774	4.406	0.30809	2.56799	5 X
K13Y59Q	17.3	0.15	K221L	21.572	357.808	55.190	5.700	0.19520	2.56606	8 X
K13Y69W	17.9	0.15	K221L	11.810	114.893	309.993	4.996	0.26960	2.58482	5 X
K13Y70R	17.6	0.15	K221L	31.241	344.337	62.274	4.695	0.11461	2.52841	7 X
K13YC1B	17.4	0.15	K221L	37.728	100.536	278.544	10.408	0.21691	2.59489	7 X
K13YC9P	18.7	0.15	K221L	312.776	229.924	271.442	17.473	0.09032	1.95550	6 X
K13YG0W	17.9	0.15	K221L	25.323	14.769	33.338	3.937	0.20140	2.55952	6 X
K14A09Q	17.4	0.15	K221L	334.723	28.396	82.963	15.954	0.06800	2.52298	12 X
K14A11Y	17.3	0.15	K221L	29.340	215.599	182.611	4.460	0.25933	2.56736	9 X
K14A15N	17.3	0.15	K221L	327.114	58.272	80.020	31.626	0.24845	2.60120	4 X
K14A40B	17.5	0.15	K221L	39.545	186.397	208.269	6.694	0.18800	2.57140	7 X
K14A44V	18.0	0.15	K221L	337.135	202.954	273.097	13.264	0.22683	2.58976	2 X
K14A48C	17.0	0.15	K221L	29.015	56.679	294.599	12.177	0.17469	2.73658	4 V
K14A53N	17.2	0.15	K221L	34.692	321.095	66.182	8.012	0.29495	2.56047	6 X
K14A54F	18.8	0.15	K221L	35.115	164.541	282.860	19.261	0.06851	1.92769	3 X
K14A57M	17.8	0.15	K221L	10.394	138.949	282.486	12.849	0.18737	2.63254	5 X
K14B03W	17.0	0.15	K221L	35.838	304.794	109.462	13.598	0.27903	2.54072	5 X
K14B11A	17.4	0.15	K221L	15.090	305.074	119.762	4.463	0.15522	2.59759	12 X
K14B14B	17.8	0.15	K221L	15.356	55.162	5.762	5.774	0.21051	2.59644	6 X
K14B17R	17.8	0.15	K221L	0.698	340.299	106.029	5.303	0.22216	2.57496	5 X
K14B49B	16.7	0.15	K221L	31.391	355.063	42.220	13.972	0.16544	2.61007	10 X
K14B73G	17.0	0.15	K221L	322.103	69.668	57.207	18.820	0.16130	2.61298	6 X
K14C22G	17.6	0.15	K221L	22.275	209.505	233.825	4.787	0.26639	2.54507	7 X
K14DG7W	17.3	0.15	K221L	32.357	287.620	118.443	9.254	0.12240	2.69526	11 X
K14E13T	18.3	0.15	K221L	343.030	20.642	100.206	4.255	0.25024	2.60252	5 X
K14E40O	17.4	0.15	K221L	1.283	338.977	111.745	8.482	0.28448	2.62751	4 X
K14HA2Y	17.4	0.15	K221L	358.411	315.536	133.672	4.182	0.16061	2.75856	10 X
K14J17E	15.6	0.15	K221L	60.086	157.505	220.212	11.303	0.06664	2.94689	12 X
K14K90X	18.6	0.15	K221L	51.128	203.869	175.456	5.134	0.21914	2.09963	10 X
K14L36Z	16.2	0.15	K221L	33.074	104.901	288.358	14.828	0.07069	3.17803	7 X
K14M69R	18.1	0.15	K221L	128.081	206.953	91.042	9.365	0.22389	2.16753	5 X
K14M92C	16.3	0.15	K221L	312.007	269.812	237.662	17.762	0.17749	3.05413	8 X
K14N09P	16.6	0.15	K221L	330.176	181.152	293.580	7.407	0.04613	3.03658	10 X
K14N69U	15.9	0.15	K221L	22.299	142.169	277.124	13.774	0.06297	3.15476	8 X
K14OD8D	16.6	0.15	K221L	56.282	94.254	277.979	7.657	0.08218	3.16686	6 X
K14OI1N	15.8	0.15	K221L	131.997	209.575	94.038	10.423	0.07963	3.16328	11 X
K14OM2C	16.9	0.15	K221L	108.454	206.303	99.833	18.923	0.12755	3.21817	4 V
K14ON1P	18.5	0.15	K221L	33.580	207.145	194.686	3.536	0.18215	2.24856	5 X
K14QJ3B	19.1	0.15	K221L	352.200	59.300	288.796	3.807	0.19407	2.38955	4 V
K14Qg0D	19.1	0.15	K221L	34.494	267.785	135.038	2.182	0.23888	2.24889	4 X

K14R40T	15.9	0.15	K221L	58.561	271.898	136.689	21.277	0.17292	3.18985	10	X
K14R40V	15.8	0.15	K221L	58.721	282.851	128.780	17.539	0.11979	3.16081	12	X
K14R62K	18.3	0.15	K221L	62.523	310.914	46.848	9.540	0.24818	2.24093	5	X
K14SI2D	18.1	0.15	K221L	5.585	338.747	108.131	4.647	0.09180	2.21543	9	X
K14S01F	18.1	0.15	K221L	44.677	341.716	44.730	7.873	0.20429	2.24545	9	X
K14S05F	19.1	0.15	K221L	13.649	327.942	105.771	6.170	0.26685	2.25934	4	X
K14SP7L	18.4	0.15	K221L	23.692	20.264	37.040	2.707	0.13890	2.25661	8	X
K14ST4M	16.0	0.15	K221L	271.520	270.131	274.099	14.861	0.14127	3.13659	7	X
K14ST5O	16.5	0.15	K221L	9.503	202.444	272.867	11.049	0.17681	3.13754	8	X
K14U58F	18.2	0.15	K221L	27.260	212.698	196.322	5.328	0.19456	2.26133	10	X
K14UO6T	18.4	0.15	K221L	336.473	248.923	233.128	5.833	0.09321	2.24374	6	X
K14UP6N	18.8	0.15	K221L	18.349	309.604	121.733	3.307	0.07561	2.25552	3	X
K14W09H	19.1	0.15	K221L	30.600	23.226	23.584	2.567	0.20394	2.28292	4	X
K14Wd0P	18.7	0.15	K221L	57.887	232.191	128.199	5.914	0.25968	2.27164	4	X
K14Wj7X	18.2	0.15	K221L	12.981	204.923	258.749	7.216	0.16792	2.25102	8	X
K14Wn7F	20.2	0.15	K221L	131.970	234.340	102.294	28.401	0.22173	1.10990	5	X
K14X09U	17.9	0.15	K221L	28.997	354.335	39.892	25.072	0.21666	2.35763	4	X
K14X29K	18.4	0.15	K221L	38.933	151.110	244.138	23.724	0.17113	2.32283	4	X
K15AR5C	17.9	0.15	K221L	287.504	325.368	61.316	3.163	0.21249	2.68981	5	V
K15B16S	18.1	0.15	K221L	328.728	4.387	128.792	3.610	0.13034	2.36284	10	X
K15B73G	17.8	0.15	K221L	91.144	239.434	98.284	8.359	0.13618	2.42062	10	X
K15BB0C	19.0	0.15	K221L	14.872	63.097	3.674	1.372	0.16716	2.37011	5	X
K15BL0V	18.4	0.15	K221L	34.063	270.914	127.563	5.745	0.22040	2.31878	5	X
K15Bt5Y	18.0	0.15	K221L	28.213	127.641	281.165	8.351	0.20113	2.35592	7	X
K15Bt9Z	15.8	0.15	K221L	340.943	77.365	29.462	7.273	0.11855	4.02929	10	X
K15D76A	18.5	0.15	K221L	342.233	129.220	344.372	4.816	0.17564	2.38857	6	X
K15DC2K	17.6	0.15	K221L	338.184	58.592	51.683	10.896	0.11861	2.43723	7	X
K15F88Z	18.1	0.15	K221L	42.973	162.773	229.674	10.071	0.17718	2.45665	5	X
K15FF4Z	18.3	0.15	K221L	328.440	14.227	116.515	3.287	0.14449	2.45487	8	X
K15H10V	18.1	0.15	K221L	4.056	27.857	43.801	21.705	0.06455	1.87232	7	X
K15H83D	16.7	0.15	K221L	3.514	28.606	41.324	22.150	0.09281	2.59293	6	X
K15J12E	19.0	0.15	K221L	53.579	143.837	246.611	19.705	0.06910	1.90529	4	X
K15KC1D	18.8	0.15	K221L	10.240	7.400	73.897	23.329	0.08967	1.88242	4	X
K15K5C5G	16.7	0.15	K221L	9.902	18.168	55.709	14.945	0.08113	2.57324	10	X
K15N21P	16.9	0.15	K221L	287.144	280.806	253.550	30.645	0.11237	2.57122	5	X
K15O38T	17.2	0.15	K221L	38.461	64.297	312.652	9.666	0.24297	3.09568	5	X
K15O48B	16.8	0.15	K221L	249.641	108.330	94.456	12.373	0.08143	2.77963	12	X
K15O59O	17.5	0.15	K221L	37.222	300.909	54.152	10.599	0.10156	3.12265	6	V
K15OC7R	16.6	0.15	K221L	37.165	128.490	260.140	9.779	0.06750	3.15732	7	X
K15OD4B	16.7	0.15	K221L	14.889	7.446	56.659	13.230	0.08251	2.97968	7	X
K15PM5L	16.5	0.15	K221L	70.463	136.888	258.717	13.999	0.14038	2.86184	7	X
K15PM6J	17.3	0.15	K221L	26.751	132.562	276.930	11.270	0.08787	2.97985	4	X
K15Q15C	16.9	0.15	K221L	28.499	268.557	134.763	6.104	0.16042	3.02231	12	X
K15R11S	16.3	0.15	K221L	13.515	93.237	318.458	8.189	0.08440	2.98248	10	X
K15R34J	17.0	0.15	K221L	0.274	16.622	65.363	19.466	0.17731	3.11827	5	X
K15R84X	17.2	0.15	K221L	36.883	94.367	284.716	15.440	0.23591	3.12832	4	X
K15RB7O	16.4	0.15	K221L	18.094	348.649	66.037	11.898	0.20154	3.15731	7	X
K15S16L	16.5	0.15	K221L	13.513	182.064	301.904	24.877	0.09284	2.80898	7	X
K15S33Y	15.8	0.15	K221L	51.728	311.138	42.333	27.034	0.16785	3.16526	5	X
K15S34Z	19.0	0.15	K221L	39.376	72.254	259.442	4.760	0.24570	2.16561	4	X
K15T06X	16.3	0.15	K221L	18.673	321.721	140.487	26.030	0.16967	2.77945	7	X
K15T77Y	17.2	0.15	K221L	354.940	239.705	215.409	8.199	0.20807	3.20744	6	X
K15T80N	15.9	0.15	K221L	288.742	292.354	233.880	11.563	0.09803	3.16591	12	X
K15TC6P	16.3	0.15	K221L	268.121	129.550	66.621	23.040	0.20161	3.06122	7	X
K15TK1R	17.0	0.15	K221L	55.548	120.375	243.156	15.635	0.25874	3.15382	6	X
K15TN3Z	16.8	0.15	K221L	35.268	127.450	257.832	12.759	0.28113	3.18780	5	X
K15TN6R	15.8	0.15	K221L	129.549	43.536	264.082	14.267	0.04515	3.13268	10	X
K15TU2V	16.4	0.15	K221L	358.417	348.275	93.606	10.781	0.05436	3.12990	11	X
K15TY2B	16.7	0.15	K221L	32.026	312.889	90.165	16.479	0.15451	3.03868	9	X
K15U62Z	15.8	0.15	K221L	340.096	190.375	265.368	26.603	0.14450	3.20108	5	X
K15U75Q	16.3	0.15	K221L	351.789	200.962	256.245	15.457	0.19442	3.18387	9	X
K15U90B	16.8	0.15	K221L	30.189	336.143	66.904	28.476	0.13769	3.17466	5	X
K15V28S	16.3	0.15	K221L	340.400	225.994	243.539	12.906	0.05917	3.11379	9	X
K15V87T	15.9	0.15	K221L	168.093	187.223	85.480	11.859	0.00789	3.12063	10	X
K15V88P	17.3	0.15	K221L	351.408	227.916	232.047	13.171	0.25712	3.19088	3	X
K15VC2S	16.1	0.15	K221L	332.910	218.948	254.576	15.782	0.17319	3.20968	8	X
K15VC5D	16.4	0.15	K221L	41.881	285.755	132.526	11.561	0.19173	3.02669	8	X
K15W23G	16.3	0.15	K221L	318.937	266.400	247.773	24.228	0.26381	3.19616	7	X
K15XG2D	16.0	0.15	K221L	54.350	294.676	72.101	26.266	0.19347	3.17468	7	X
K15XU9F	15.7	0.15	K221L	223.140	28.575	237.817	9.115	0.04089	2.98213	12	X
K15Xa2C	16.4	0.15	K221L	14.947	189.783	274.061	16.243	0.16867	3.14720	6	X
K16A07R	16.1	0.15	K221L	45.501	143.050	293.197	15.733	0.17380	3.17299	7	X
K16A92R	16.2	0.15	K221L	335.648	239.456	251.857	21.235	0.24902	3.16752	7	X
K16AZ8K	17.5	0.15	K221L	177.063	241.428	95.355	0.800	0.01362	3.03784	4	V
K16B14D	17.1	0.15	K221L	8.542	93.082	15.922	41.664	0.35396	2.11537	3	X
K16EF9Y	17.9	0.15	K221L	104.771	198.978	124.902	3.195	0.19672	2.34900	8	X
K16GV2T	19.0	0.15	K221L	359.675	54.902	34.701	7.148	0.20109	2.22892	5	X
K16J17H	20.3	0.15	K221L	75.616	274.376	81.102	24.939	0.27030	1.39323	3	X
K16L09G	17.3	0.15	K221L	66.370	87.131	248.619	14.590	0.37469	2.75904	4	X
K16N24W	17.5	0.15	K221L	26.368	171.176	246.231	11.580	0.07465	2.54864	6	X
K16N82M	17.3	0.15	K221L	13.818	134.908	281.022	11.424	0.23084	2.73239	4	X
K16P29X	17.2	0.15	K221L	352.248	53.095	45.670	10.312	0.17927	2.59124	6	X
K16P67L	17.1	0.15	K221L	284.789	317.309	260.195	11.370	0.11797	2.33952	9	X
K16P89J	16.8	0.15	K221L	72.805	254.990	128.423	10.708	0.20414	2.63860	11	X
K16PM7J	17.6	0.15	K221L	34.738	331.127	52.413	10.745	0.22153	2.75903	7	X
K16Q75T	17.4	0.15	K221L	23.182	130.317	271.659	12.559	0.18874	2.75085	4	X
K16R04M	17.2	0.15	K221L	295.744	321.734	205.788	7.114	0.13074	2.53431	12	X
K16R31L	16.4	0.15	K221L	44.641	93.360	285.494	11.489	0.12363	2.77419	9	X
K16R62K	18.3	0.15	K221L	9.942	2.463	70.031	13.328	0.31357	2.73861	4	X
K16S08J	17.1	0.15	K221L	339.064	197.903	277.172	11.579	0.25632	2.72705	9	X
K16T32Y	17.1	0.15	K221L	37.007	157.863	270.011	10.913	0.17166	2.67963	4	X
K16T46S	16.9	0.15	K221L	0.001	174.886	267.921	5.175	0.01163	2.78802	10	X
K16T72A	17.4	0.15	K221L	6.895	207.351	230.226	11.519	0.24941	2.80363	6	X

K16TA2H	18.6	0.15	K221L	282.490	31.217	276.781	4.336	0.27275	2.17207	3	V
K16U20T	16.9	0.15	K221L	277.684	289.088	261.036	11.378	0.23240	2.66957	10	X
K16U45S	17.1	0.15	K221L	38.261	147.358	232.172	15.074	0.27621	2.85028	5	X
K16U73Z	17.9	0.15	K221L	357.483	102.280	348.968	2.204	0.17552	2.80626	6	X
K16U80S	16.2	0.15	K221L	324.534	221.795	260.423	27.484	0.06944	2.60215	7	X
K16W56D	17.4	0.15	K221L	18.692	177.932	246.563	14.629	0.12105	2.83896	4	X
K16X02X	17.0	0.15	K221L	12.040	139.405	267.376	13.597	0.15966	2.99505	5	X
K16X22Q	18.4	0.15	K221L	2.828	160.207	274.062	19.530	0.06867	1.88970	4	X
K16X27E	16.3	0.15	K221L	33.215	172.841	280.590	25.789	0.14259	2.75124	5	X
K16X27N	16.2	0.15	K221L	324.615	248.056	242.917	9.589	0.10126	2.94360	8	X
K16Y07E	17.7	0.15	K221L	351.634	196.467	265.660	11.914	0.23515	2.89790	3	X
K16Y08Z	17.1	0.15	K221L	20.126	142.665	262.544	14.333	0.23618	2.99270	4	X
K16Y15W	16.9	0.15	K221L	350.688	181.042	272.493	17.101	0.21905	3.09974	4	X
K16Y20F	16.5	0.15	K221L	302.593	232.622	275.386	9.356	0.07282	2.97847	8	X
K16Y32G	17.3	0.15	K221L	296.267	66.455	81.842	2.650	0.12116	3.19945	4	V
K17A49E	17.3	0.15	K221L	11.145	195.504	268.019	10.142	0.15004	2.98635	5	X
K17B07S	16.3	0.15	K221L	304.743	256.911	267.800	11.971	0.24265	3.14424	7	X
K17B19J	16.3	0.15	K221L	2.738	141.910	329.400	9.483	0.16455	3.02002	11	X
K17B35Z	16.8	0.15	K221L	26.977	94.894	312.426	5.277	0.15768	3.15548	9	X
K17B44T	16.3	0.15	K221L	295.155	209.966	307.361	6.512	0.12023	3.16506	13	X
K17B46E	17.7	0.15	K221L	9.570	87.754	334.775	7.099	0.29048	3.05981	6	X
K17BB7G	19.4	0.15	K221L	338.515	46.217	66.438	20.462	0.07820	1.90681	4	X
K17BJ5Y	17.6	0.15	K221L	336.494	281.898	308.217	8.321	0.16401	2.79896	4	V
K17BJ5Z	17.8	0.15	K221L	343.026	317.342	151.216	17.948	0.24368	3.17106	3	V
K17C31P	16.5	0.15	K221L	348.455	44.124	47.154	11.799	0.21671	3.18679	5	X
K17DE5F	17.1	0.15	K221L	5.134	44.105	64.913	11.935	0.06110	3.15187	3	V
K17F46B	15.6	0.15	K221L	188.206	14.302	285.854	11.699	0.09089	3.21009	11	X
K17F51V	16.1	0.15	K221L	16.616	319.751	141.522	14.102	0.10908	3.22438	8	X
K17F86S	17.6	0.15	K221L	344.535	65.281	55.970	10.403	0.32219	3.14725	3	X
K17FC4H	16.4	0.15	K221L	353.066	289.852	206.926	7.028	0.17405	3.19179	9	X
K17FK2S	19.1	0.15	K221L	80.832	23.781	240.825	8.005	0.22290	2.31342	5	V
K17G18O	16.2	0.15	K221L	313.831	276.177	268.010	14.428	0.13617	3.21809	8	X
K17H50Z	16.5	0.15	K221L	4.735	280.202	199.941	7.067	0.30507	3.09253	9	X
K17K14H	15.8	0.15	K221L	52.771	159.136	259.344	9.832	0.09119	3.54079	8	X
K17O71N	18.6	0.15	K221L	39.644	338.346	49.071	5.842	0.24675	2.44932	4	X
K17Q07Q	18.5	0.15	K221L	30.838	221.664	190.797	4.050	0.12210	2.26821	9	X
K17Q51C	18.4	0.15	K221L	38.275	53.477	335.283	4.244	0.23435	2.37077	8	X
K17Q95V	17.8	0.15	K221L	38.149	302.239	81.732	11.539	0.28872	2.45136	4	X
K17QD7L	19.6	0.15	K221L	25.672	282.921	128.369	5.344	0.24020	2.34070	3	X
K17R00G	18.2	0.15	K221L	44.180	120.915	249.803	14.153	0.34819	2.43962	3	X
K17RC3T	17.5	0.15	K221L	56.794	202.168	165.174	4.371	0.23981	2.54996	9	X
K17SA1D	18.9	0.15	K221L	11.791	46.127	25.070	6.038	0.15982	2.37836	5	X
K17U53N	17.8	0.15	K221L	7.854	29.183	43.881	13.576	0.26000	2.58515	4	X
K17U62D	17.4	0.15	K221L	32.089	348.294	28.143	14.539	0.25599	2.55976	4	X
K17V04L	18.0	0.15	K221L	37.592	20.538	344.251	11.715	0.32987	2.53126	2	X
K17V40C	17.4	0.15	K221L	343.276	33.049	67.836	22.930	0.03638	2.67051	6	X
K17W31U	18.0	0.15	K221L	343.106	203.022	262.187	11.568	0.24131	2.65127	2	X
K17W33D	17.9	0.15	K221L	3.416	151.815	272.870	11.641	0.26876	2.64667	4	X
K17W33M	17.4	0.15	K221L	23.987	137.714	268.850	12.723	0.24936	2.61090	6	X
K17W79E	18.0	0.15	K221L	30.418	335.050	60.454	19.187	0.18962	2.61104	2	X
K17X00J	18.3	0.15	K221L	339.916	81.827	49.978	28.433	0.39854	2.59465	4	X
K17X600	20.5	0.15	K221L	96.053	245.623	87.932	20.048	0.42565	1.21306	4	X
K17X69A	17.8	0.15	K221L	31.733	324.862	61.431	15.379	0.28671	2.67308	3	X
K17X84G	17.8	0.15	K221L	3.168	18.122	62.833	34.209	0.19791	2.57328	4	X
K17Y15O	17.4	0.15	K221L	14.964	145.284	261.640	26.205	0.21602	2.61713	3	X
K18B09Q	17.4	0.15	K221L	322.625	203.619	281.594	12.894	0.17556	2.69437	5	X
K18B14O	18.3	0.15	K221L	26.467	250.682	192.730	4.689	0.21199	2.52699	4	X
K18C07K	16.3	0.15	K221L	308.566	66.126	86.344	26.161	0.14558	2.68176	8	X
K18C10E	17.4	0.15	K221L	349.490	4.043	131.751	12.838	0.13141	2.58613	7	X
K18E08X	16.1	0.15	K221L	73.993	276.390	138.194	22.416	0.07613	2.62497	11	X
K18E08Y	17.1	0.15	K221L	338.511	33.063	88.384	10.390	0.25246	2.73680	6	X
K18F06L	17.5	0.15	K221L	30.428	255.283	174.739	8.296	0.27242	2.68640	8	X
K18F11U	16.9	0.15	K221L	345.545	342.741	116.213	4.902	0.10017	2.92465	10	X
K18L23Q	16.8	0.15	K221L	184.245	191.771	100.560	10.961	0.07475	3.22726	5	V
K18U26P	18.4	0.15	K221L	6.424	216.364	266.723	16.172	0.13109	1.94173	7	X
K18V01V	20.0	0.15	K221L	0.518	354.773	132.102	2.120	0.43621	2.02381	4	X
K19A09G	17.9	0.15	K221L	35.614	63.398	310.836	7.870	0.33665	2.33049	4	X
K19A12F	19.6	0.15	K221L	28.609	66.060	336.982	8.346	0.47941	2.14519	4	X
K19J83B	18.1	0.15	K221L	156.951	84.263	247.929	1.898	0.25334	2.57630	4	V
K19L19V	16.0	0.15	K221L	278.378	268.231	267.610	24.442	0.20238	3.09834	5	X
K19O16K	17.0	0.15	K221L	149.191	62.627	297.872	14.555	0.29145	3.06089	3	V
K20K44K	19.0	0.15	K221L	338.318	203.814	258.106	18.379	0.07786	1.91559	3	X
K20V01F	10.0	0.15	K221L	354.828	219.721	251.047	53.461	0.65785	24.53210	3	X
K21N09P	18.0	0.15	K221L	34.857	60.781	305.617	10.285	0.38495	2.77778	5	X
K21N39M	20.3	0.15	K221L	23.990	266.843	135.566	4.735	0.48211	2.03887	2	X
K21P02A	19.2	0.15	K221L	16.389	62.531	4.817	5.396	0.63417	2.63687	3	X
K21PB9W	18.4	0.15	K221L	87.791	356.422	282.811	2.086	0.25309	2.57804	5	V
K21PCOD	17.9	0.15	K221L	288.540	322.596	137.791	2.562	0.03140	2.67238	6	V
K21PC1L	17.4	0.15	K221L	329.375	29.538	27.641	2.310	0.05695	2.86711	5	V
K21PC4D	18.2	0.15	K221L	15.757	72.862	294.866	7.552	0.24228	2.98694	3	V
K21PD2P	18.5	0.15	K221L	117.577	309.273	289.485	1.624	0.17739	2.41956	5	V
K21Q06N	19.8	0.15	K221L	297.617	273.423	195.366	22.209	0.14744	1.89815	3	V
K21Q08M	17.8	0.15	K221L	324.141	74.906	3.701	12.556	0.24345	2.62125	4	V
K21Q11S	17.8	0.15	K221L	53.152	128.822	192.489	8.886	0.13743	2.83985	3	V
K21Q14N	18.5	0.15	K221L	21.793	216.067	142.713	7.367	0.13535	2.36234	3	V
K21Q20Z	18.6	0.15	K221L	111.221	74.035	190.878	3.025	0.15409	2.23074	3	V
K21Q21L	18.4	0.15	K221L	49.957	134.092	196.773	4.118	0.14451	2.70617	5	V
K21Q22G	19.0	0.15	K221L	66.957	88.637	232.588	4.817	0.11002	2.14786	3	V
K21Q23S	18.9	0.15	K221L	355.678	264.597	139.035	5.783	0.19195	2.60745	3	V
K21Q24O	18.6	0.15	K221L	93.595	270.233	18.343	6.777	0.10527	2.29413	6	V
K21Q24U	17.3	0.15	K221L	343.808	248.952	157.191	7.393	0.14795	3.22662	2	V
K21Q25A	19.2	0.15	K221L	349.250	251.619	167.653	7.575	0.15494	2.21973	4	V
K21Q26J	18.0	0.15	K221L	88.688	272.529	358.431	26.472	0.20887	2.59674	3	V

K21Q26W	18.7	0.15	K221L	33.393	176.601	173.265	3.527	0.20754	2.72696	4 V
K21Q29S	17.3	0.15	K221L	32.308	164.095	175.669	14.666	0.13218	2.98363	3 V
K21Q30P	17.8	0.15	K221L	11.998	235.874	141.544	10.196	0.26674	2.93187	3 V
K21Q32S	17.1	0.15	K221L	69.663	292.006	10.224	15.200	0.08701	2.99903	4 V
K21Q34D	17.3	0.15	K221L	3.055	33.981	331.929	10.415	0.11746	3.06683	3 V
K21Q34R	17.3	0.15	K221L	21.364	173.932	164.939	11.378	0.05947	3.06002	4 V
K21Q37B	16.9	0.15	K221L	185.133	344.299	193.787	9.438	0.03226	3.17416	4 V
K21Q37U	17.1	0.15	K221L	91.244	79.177	206.894	8.845	0.03667	3.00946	3 V
K21Q38Y	18.9	0.15	K221L	64.796	98.426	200.392	4.040	0.14325	2.57223	3 V
K21Q40Y	19.2	0.15	K221L	359.391	199.254	196.781	0.748	0.18875	2.38685	4 V
K21R19Z	17.6	0.15	K221L	23.011	356.620	48.318	18.631	0.16501	2.56927	5 X
K21T57J	21.5	0.15	K221L	344.559	180.091	4.705	11.633	0.50724	1.00797	2 V
K21T75H	19.5	0.15	K221L	80.975	297.110	57.600	22.925	0.07919	1.89518	4 X
K21T99F	17.7	0.15	K221L	334.728	344.499	113.928	2.174	0.13755	3.08365	4 V
K21TA3B	17.7	0.15	K221L	52.184	92.823	261.701	15.154	0.17585	3.04426	3 V
K21U49V	17.6	0.15	K221L	48.896	10.384	1.049	3.589	0.21189	2.54607	10 X
K21V34T	18.0	0.15	K221L	13.382	180.447	246.203	18.936	0.25467	2.77296	3 X
K21V35C	18.8	0.15	K221L	3.214	28.216	56.221	5.692	0.23116	2.57664	4 X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K10R79D	18.8	0.15	K221L	210.427	24.171	328.950	5.049	0.23604	2.15520	61	X
K17J04N	17.3	0.15	K221L	357.576	37.477	100.714	15.312	0.44640	3.02925	41	V
K19X03A	19.0	0.15	K221L	166.674	0.340	31.484	24.082	0.62889	2.76593	183	X
K21O20Y	19.6	0.15	K221L	24.187	8.000	46.564	22.362	0.32348	1.55400	154	X
K21Q02P	18.2	0.15	K221L	20.352	200.579	213.335	38.595	0.60962	2.94156	110	X
K21Q06A	20.0	0.15	K221L	14.469	319.487	98.410	25.405	0.73411	3.49224	114	X
K21Q23X	18.4	0.15	K221L	342.040	69.409	1.203	24.265	0.29922	2.71286	58	V
K21Q66Z	18.0	0.15	K221L	49.709	134.823	248.893	13.872	0.12093	2.56423	118	X
K21R71J	17.1	0.15	K221L	36.715	318.002	47.937	24.723	0.28848	3.00849	105	X
K21RA8S	17.8	0.15	K221L	20.290	352.011	54.663	22.010	0.27104	2.75419	107	X
K21RB5Z	17.7	0.15	K221L	39.758	38.856	329.822	11.828	0.22247	2.58244	107	X
K21S03R	22.6	0.15	K221L	13.749	286.338	147.721	0.670	0.50677	2.18445	75	X
<b>K21T03K</b>	<b>20.0</b>	<b>0.15</b>	<b>K221L</b>	<b>1.979</b>	<b>156.074</b>	<b>302.601</b>	<b>9.347</b>	<b>0.49062</b>	<b>2.33927</b>	<b>85</b>	<b>X</b>
K21T13W	18.6	0.15	K221L	356.629	43.615	46.080	24.553	0.24917	2.26760	79	X
K21T25P	18.8	0.15	K221L	357.905	189.491	248.117	10.229	0.54091	3.43780	74	X
K21T73D	19.3	0.15	K221L	22.416	359.237	59.328	27.159	0.12363	1.93801	79	X
K21TA5D	18.0	0.15	K221L	332.170	81.009	50.429	18.624	0.25808	2.53764	74	X
K21TB3C	19.5	0.15	K221L	17.871	286.811	105.182	4.253	0.11807	2.32633	68	X
K21U05J	19.7	0.15	K221L	11.967	351.175	65.334	9.387	0.51474	3.39587	45	X
K21U05U	19.1	0.15	K221L	356.984	99.013	62.326	44.937	0.72573	1.92112	54	X
K21U59Z	18.9	0.15	K221L	33.474	335.463	53.904	6.486	0.27975	2.58257	42	X
K21U61M	17.3	0.15	K221L	27.171	121.560	257.306	25.683	0.30646	3.18777	53	X
K21V02L	21.5	0.15	K221L	1.040	118.823	358.087	12.965	0.67124	2.96067	47	X
K21V03W	21.8	0.15	K221L	40.598	75.461	262.678	4.557	0.60010	2.00400	44	X
K21V11H	21.1	0.15	K221L	346.172	61.841	72.176	42.427	0.31723	1.68435	51	X
K21V41L	16.4	0.15	K221L	348.443	203.671	261.195	26.346	0.23140	3.19653	37	X
K21V42X	17.6	0.15	K221L	22.714	167.414	246.543	36.418	0.15933	2.77081	36	X
K21V45W	16.8	0.15	K221L	328.797	243.149	255.413	35.096	0.29415	3.25508	27	X
K21W00L	22.3	0.15	K221L	35.075	289.087	76.189	4.132	0.54457	1.97121	28	X
K21W00M	19.6	0.15	K221L	38.484	239.786	92.771	28.631	0.67643	2.04033	29	X
K21W01F	21.8	0.15	K221L	295.235	346.677	250.643	39.035	0.60199	0.68024	25	X
K21W04J	18.8	0.15	K221L	40.486	121.683	258.680	22.677	0.31258	2.28018	27	X
K21X03N	23.4	0.15	K221L	63.171	289.992	71.088	12.543	0.40840	1.32984	15	X
K21X03U	21.7	0.15	K221L	49.873	316.719	79.264	29.725	0.30228	1.48628	15	X
K21X05E	25.3	0.15	K221L	11.886	9.810	55.061	0.102	0.60945	2.65361	13	X
<b>K21X05H</b>	<b>23.6</b>	<b>0.15</b>	<b>K221L</b>	<b>357.808</b>	<b>91.851</b>	<b>53.747</b>	<b>2.424</b>	<b>0.53516</b>	<b>1.82996</b>	<b>22</b>	<b>X</b>
K21X06A	24.8	0.15	K221L	170.451	223.065	79.399	6.737	0.16078	0.89045	9	X
K21X06D	28.5	0.15	K221L	75.226	291.399	89.767	0.835	0.18387	1.11997	8	X
K21X06F	24.3	0.15	K221L	194.107	1.801	281.412	9.767	0.25616	0.87366	9	X
K21X06G	24.5	0.15	K221L	4.804	189.743	269.374	15.232	0.57715	2.56171	9	X
K21X06K	22.7	0.15	K221L	18.639	178.144	269.324	20.959	0.31270	1.45536	6	X
K21X06L	21.1	0.15	K221L	34.300	343.798	59.900	23.183	0.33888	1.47610	17	X
K21X06S	16.2	0.15	K221L	359.953	354.711	58.845	96.907	0.89922	39.02020	67	B
K21Y00A	24.1	0.15	K221L	34.832	359.155	26.657	1.566	0.50187	1.71055	5	X
K21Y00B	27.5	0.15	K221L	318.830	268.187	270.743	5.221	0.16445	1.01790	9	X
<b>K21Y00D</b>	<b>24.2</b>	<b>0.15</b>	<b>K221L</b>	<b>3.408</b>	<b>209.858</b>	<b>270.405</b>	<b>14.112</b>	<b>0.40490</b>	<b>1.59311</b>	<b>4</b>	<b>X</b>

New observations:

K02X40P	C2021	12	17.77640209	06	27.45	+22	17	46.9	19.4	RVEY047D29
K02X40P	C2021	12	17.81680509	06	33.61	+22	17	55.4	19.6	RVEY047D29
K05Y96Q	KC2021	11	11.20939417	18	38.842	+35	48	39.10	21.91	GVEY047T12
K06005A	KC2021	12	17.71193322	32	09.26	+63	35	01.5	17.0	GXEY047C95
K06005A	KC2021	12	17.71755222	32	14.86	+63	35	21.5	17.0	GXEY047C95
K06005A	KC2021	12	17.72318322	32	20.38	+63	35	41.5	16.4	GXEY047C95
K06005A	KC2021	12	17.72884822	32	26.03	+63	36	01.9	16.5	GXEY047C95
K11Y10Q	C2021	12	12.75117804	22	14.89	+15	39	24.0	18.9	RVEY047D29
K11Y10Q	C2021	12	12.76443604	22	14.57	+15	39	30.0	19.0	RVEY047D29
K11Y10Q	C2021	12	12.77769304	22	14.27	+15	39	35.5	18.8	RVEY047D29
K14Wn7F	C2021	12	12.82261009	59	38.43	+07	23	23.3	20.7	RVEY047D29
K14Wn7F	C2021	12	12.84028709	59	39.25	+07	24	20.4	20.8	RVEY047D29
K16J17H	C2021	12	12.75029404	18	06.67	+13	06	05.7	18.6	RVEY047D29
K16J17H	C2021	12	12.76355204	18	04.35	+13	07	18.0	19.6	RVEY047D29
K16J17H	C2021	12	12.77681004	18	02.03	+13	08	25.1	18.5	RVEY047D29
K17X60O	C2021	12	17.65041408	01	23.63	+28	00	11.7	19.0	RVEY047D29
K17X60O	C2021	12	17.67735008	01	16.93	+28	01	53.4	19.4	RVEY047D29
K18V01V	C2021	12	12.78404908	43	07.61	+12	35	36.4	19.1	RVEY047D29
K18V01V	C2021	12	12.79730708	43	10.38	+12	35	26.3	19.1	RVEY047D29
K18V01V	C2021	12	12.81056408	43	13.12	+12	35	16.5	18.9	RVEY047D29
K19A12F	C2021	12	17.73820409	06	40.97	+42	52	33.3	19.1	RVEY047D29
K19A12F	C2021	12	17.75125109	06	39.88	+42	52	27.4	18.9	RVEY047D29
K19X03A	/C2019	08	19.13668217	43	38.45	-66	36	01.7		XEY047W84
K19X03A	/C2019	08	19.13805417	43	38.37	-66	36	00.9		XEY047W84

K19X03A	/C2019	11	07.03978420	20	06.49	-37	36	06.6	XEY047W84	
K19X03A	/C2019	11	07.04951220	20	08.39	-37	35	41.8	XEY047W84	
K21N39M	KC2021	12	20.89574	03	58	52.09	-01	37	01.7	18.7 GXEY047K87
K21N39M	KC2021	12	20.91116	03	58	55.30	-01	36	11.3	18.4 GXEY047K87
K21N39M	KC2021	12	20.92657	03	58	58.56	-01	35	21.4	18.2 GXEY047K87
K21O20Y	C2021	12	21.11319423	16	12.71	+24	54	09.6	19.79GVEY047G96	
K21O20Y	C2021	12	21.11888123	16	13.33	+24	54	33.7	19.64GVEY047G96	
K21O20Y	C2021	12	21.12458323	16	13.98	+24	54	57.5	19.98GVEY047G96	
K21O20Y	C2021	12	21.13028223	16	14.67	+24	55	20.9	VEY047G96	
K21P02A	S2021	12	18.68484	12	10	32.78	+11	02	58.0	19 RLEY047C51
K21P02A	S2021	12	18.68484	1	-6176.4608	-2961.6421	+144.8364			EY047C51
K21P02A	S2021	12	18.81549	12	10	42.35	+11	01	19.3	LEY047C51
K21P02A	S2021	12	18.81549	1	-6139.0465	-3041.5553	+56.5867			EY047C51
K21P02A	S2021	12	18.94614	12	10	51.86	+10	59	40.8	LEY047C51
K21P02A	S2021	12	18.94614	1	-6161.2808	-2991.7652	+168.9797			EY047C51
K21P02A	S2021	12	19.07692	12	11	01.31	+10	58	04.7	LEY047C51
K21P02A	S2021	12	19.07692	00	42	15.56	+19	51	53.4	LEY047C51
K21P02A	S2021	12	19.20757	12	11	10.72	+10	56	25.9	LEY047C51
K21P02A	S2021	12	19.20757	1	-6152.3191	-3013.0255	+109.8342			EY047C51
K21P02A	S2021	12	19.27289	12	11	15.40	+10	55	37.2	LEY047C51
K21P02A	S2021	12	19.27289	1	-6148.5106	-3020.5474	+115.8511			EY047C51
K21P02A	S2021	12	19.40354	12	11	24.71	+10	54	00.3	LEY047C51
K21P02A	S2021	12	19.40354	1	-2517.8595	-2028.9915	+6030.7616			EY047C51
K21P02A	S2021	12	19.46886	12	11	29.36	+10	53	11.9	LEY047C51
K21P02A	S2021	12	19.46886	1	+6148.2039	+2963.1340	+612.1773			EY047C51
K21P02A	S2021	12	19.53419	12	11	34.03	+10	52	22.7	LEY047C51
K21P02A	S2021	12	19.53419	1	-6148.5106	-3020.5474	+115.8511			EY047C51
K21P02A	S2021	12	19.53432	12	11	33.94	+10	52	23.4	LEY047C51
K21P02A	S2021	12	19.53432	1	-6140.8534	-3035.5707	+127.8916			EY047C51
K21P02A	S2021	12	19.59964	12	11	38.66	+10	51	35.7	LEY047C51
K21P02A	S2021	12	19.59964	12	10	51.86	+10	59	40.8	LEY047C51
K21P02A	S2021	12	19.66496	12	11	43.22	+10	50	47.3	LEY047C51
K21P02A	S2021	12	19.66496	1	-6071.4588	-2979.0139	+1090.5130			EY047C51
K21P02A	S2021	12	19.79561	12	11	52.43	+10	49	11.2	LEY047C51
K21P02A	S2021	12	19.79561	12	22	19.69	+18	44	27.4	LEY047C51
K21P02A	S2021	12	19.92626	12	12	01.50	+10	47	35.4	LEY047C51
K21P02A	S2021	12	19.92626	12	22	34.55	+18	47	20.2	LEY047C51
K21P02A	S2021	12	20.05691	12	12	10.61	+10	46	00.0	LEY047C51
K21P02A	S2021	12	20.05691	1	-2536.8388	-1991.8841	+6035.2183			EY047C51
K21Q02P	S2021	12	15.23487	09	25	44.65	-49	51	30.0	LEY047C51
K21Q02P	S2021	12	15.23487	1	-2598.5354	-175.7234	-6341.9989			EY047C51
K21Q02P	S2021	12	15.36552	09	25	46.76	-49	53	59.5	LEY047C51
K21Q02P	S2021	12	15.36552	1	-2608.9392	-186.5467	-6337.4176			EY047C51
K21Q06A	S2021	12	17.89942	12	20	25.53	+18	22	34.5	19 RLEY047C51
K21Q06A	S2021	12	17.89942	1	-6089.5925	-2950.6649	+1066.4069			EY047C51
K21Q06A	S2021	12	18.03007	12	20	40.72	+18	25	29.0	LEY047C51
K21Q06A	S2021	12	18.03007	1	+5794.2006	+2385.2864	+2766.5025			EY047C51
K21Q06A	S2021	12	18.16072	12	20	56.13	+18	28	24.0	LEY047C51
K21Q06A	S2021	12	18.16072	1	-6071.4588	-2979.0139	+1090.5130			EY047C51
K21Q06A	S2021	12	18.29137	12	21	11.34	+18	31	19.5	LEY047C51
K21Q06A	S2021	12	18.29137	1	-6168.8975	-2976.7188	+156.9189			EY047C51
K21Q06A	S2021	12	18.35669	12	21	18.81	+18	32	45.0	LEY047C51
K21Q06A	S2021	12	18.35669	1	+6141.8580	+2978.7257	+600.2518			EY047C51
K21Q06A	S2021	12	18.61799	12	21	49.34	+18	38	36.5	LEY047C51
K21Q06A	S2021	12	18.61799	12	10	32.78	+11	02	58.0	19 RLEY047C51
K21Q06A	S2021	12	18.68332	12	21	56.87	+18	40	03.8	LEY047C51
K21Q06A	S2021	12	18.68332	1	-6034.5834	-3035.2743	+1138.5319			EY047C51
K21Q06A	S2021	12	18.87942	12	22	19.69	+18	44	27.4	LEY047C51
K21Q06A	S2021	12	18.87942	1	-6037.6371	-3052.7305	+1074.2906			EY047C51
K21Q06A	S2021	12	19.01006	12	22	34.55	+18	47	20.2	LEY047C51
K21Q06A	S2021	12	19.01006	1	-6028.3760	-3066.7521	+1086.1890			EY047C51
K21Q06A	S2021	12	19.14071	12	22	49.52	+18	50	16.3	LEY047C51
K21Q06A	S2021	12	19.14071	1	-6009.7041	-3094.6884	+1109.9690			EY047C51
K21Q06A	S2021	12	19.27136	12	23	04.43	+18	53	12.7	LEY047C51
K21Q06A	S2021	12	19.27136	12	20	25.53	+18	22	34.5	19 RLEY047C51
K21Q06A	DC2021	12	20.47777	12	25	20.63	+19	20	12.0	22.8 GVEY047695
K21Q06A	DC2021	12	20.49561	12	25	22.55	+19	20	36.1	22.6 GVEY047695
K21Q06A	DC2021	12	20.51345	12	25	24.44	+19	21	00.8	22.6 GVEY047695
K21S03R	C2021	12	12.74587505	06	14.14	+15	52	10.1	18.2 RVEY047D29	
K21S03R	C2021	12	12.75913305	06	19.39	+15	52	21.7	18.0 RVEY047D29	
K21S03R	C2021	12	12.77239005	06	24.72	+15	52	33.4	18.4 RVEY047D29	
K21T03K	6C2021	12	21.15193	01	48	03.39	+36	52	18.7	19.7 GVEY047290
K21T03K	6C2021	12	21.15663	01	48	04.03	+36	52	15.3	19.6 GVEY047290
K21T03K	6C2021	12	21.16970	01	48	05.74	+36	52	05.3	19.5 GVEY047290
K21U05U	KC2021	12	21.14731	21	51	28.70	+07	10	48.4	oEY047291
K21U05U	KC2021	12	21.15035	21	51	27.38	+07	10	58.4	oEY047291
K21V02L	KC2021	12	21.06821921	19	17.20	+63	45	21.1	21.12GVEY047I52	
K21V02L	KC2021	12	21.07128721	19	15.47	+63	45	22.1	21.16GVEY047I52	
K21V02L	KC2021	12	21.07435421	19	13.66	+63	45	23.6	20.78GVEY047I52	
K21V02L	KC2021	12	21.07742121	19	11.95	+63	45	24.4	20.68GVEY047I52	
K21V03W	KC2021	12	21.06831	03	01	27.50	+18	46	17.8	oEY047291
K21V03W	KC2021	12	21.07733	03	01	28.57	+18	46	15.8	oEY047291
K21V11H	KC2021	12	21.34842902	32	30.83	+38	14	29.6	VEY047I52	
K21V11H	KC2021	12	21.35048702	32	30.00	+38	14	38.9	21.27GVEY047I52	
K21W00L	KC2021	12	21.32649303	43	31.05	+21	47	35.1	20.70GVEY047I52	
K21W00L	KC2021	12	21.32859203	43	31.33	+21	47	36.9	20.92GVEY047I52	
K21W00L	KC2021	12	21.33069103	43	31.61	+21	47	39.0	21.83GVEY047I52	
K21W00L	KC2021	12	21.33278303	43	31.89	+21	47	41.2	20.94GVEY047I52	
K21W00M	mC2021	12	21.29523604	27	57.72	+03	43	06.5	VEY047I52	
K21W00M	mC2021	12	21.29898304	27	57.35	+03	43	19.8	19.60GVEY047I52	
K21W00M	mC2021	12	21.30085804	27	57.10	+03	43	27.1	19.07GVEY047I52	
K21W01F	KC2021	12	21.17306	00	12	29.86	-18	27	32.7	21.2 GVEY047291
K21W01F	KC2021	12	21.17855	00	12	29.44	-18	27	55.3	21.7 GVEY047291



K21W01F	KC2021	12	21.18407	00	12	28.98	-18	28	18.1
K21X03N	KC2021	12	21.31491705	48	30.05	+57	54	20.6	
K21X03N	KC2021	12	21.31763905	48	29.33	+57	54	17.5	
K21X03N	KC2021	12	21.32424705	48	27.46	+57	54	12.0	
K21X03N	KC2021	12	21.33499905	48	24.61	+57	54	02.9	
K21X03U	KC2021	12	21.31920808	46	23.76	+60	05	36.7	
K21X03U	KC2021	12	21.32036308	46	23.52	+60	05	46.1	
K21X03U	KC2021	12	21.32151808	46	23.61	+60	05	51.1	
K21X03U	KC2021	12	21.32267308	46	23.47	+60	05	59.1	
K21X05E	KC2021	12	21.20310	06	14	05.07	+24	06	59.6
K21X05E	KC2021	12	21.21187	06	14	09.20	+24	06	58.9
K21X05E	KC2021	12	21.22060	06	14	13.33	+24	06	58.5
K21X05H	6C2021	12	20.51128	12	35	24.58	+15	12	02.0
K21X05H	6C2021	12	20.52628	12	35	41.08	+15	10	02.0
K21X05H	6C2021	12	20.54140	12	35	57.69	+15	08	00.6
K21X06A	KC2021	12	20.83170	01	29	27.45	+49	27	24.6
K21X06A	KC2021	12	20.83930	01	29	28.30	+49	27	32.2
K21X06A	C2021	12	21.25464901	30	56.79	+49	36	09.0	
K21X06A	C2021	12	21.26530501	30	58.33	+49	36	12.1	
K21X06A	C2021	12	21.27067401	30	59.09	+49	36	13.2	
K21X06A	C2021	12	21.27604201	30	59.99	+49	36	13.6	
K21X06D	KC2021	12	21.24691	06	04	56.26	+23	17	24.8
K21X06D	KC2021	12	21.25352	06	04	55.85	+23	17	38.5
K21X06D	KC2021	12	21.26010	06	04	55.54	+23	17	52.4
K21X06F	KC2021	12	21.30631405	50	55.43	+44	38	48.4	
K21X06F	KC2021	12	21.30757405	50	54.64	+44	38	42.4	
K21X06G	KC2021	12	21.29617004	35	10.27	+27	04	23.0	
K21X06G	KC2021	12	21.29804304	35	10.87	+27	04	05.2	
K21X06G	KC2021	12	21.29991804	35	11.57	+27	03	48.8	
K21X06G	KC2021	12	21.30179304	35	12.23	+27	03	31.8	
K21X06K	KC2021	12	20.57527	08	52	59.35	+15	11	22.7
K21X06K	KC2021	12	20.57763	08	52	57.44	+15	08	52.5
K21X06K	KC2021	12	20.58250	08	52	53.16	+15	03	46.2
K21X06K	KC2021	12	20.58485	08	52	51.17	+15	01	15.2
K21X06K	KC2021	12	20.59519	08	52	42.25	+14	50	20.3
K21X06K	KC2021	12	20.59755	08	52	40.27	+14	47	50.7
K21X06K	KC2021	12	20.60779	08	52	31.33	+14	37	00.8
K21X06K	KC2021	12	20.61015	08	52	29.30	+14	34	31.4
K21X06L	KC2021	12	21.11140	23	08	19.36	+33	30	50.5
K21X06L	KC2021	12	21.11683	23	08	20.03	+33	31	25.0
K21Y00A	mc2021	12	21.30853706	44	29.39	+44	14	47.8	
K21Y00A	mc2021	12	21.30879406	44	29.40	+44	14	46.0	
K21Y00A	mc2021	12	21.31047206	44	29.34	+44	14	37.4	
K21Y00A	mc2021	12	21.31213906	44	29.11	+44	14	27.1	
K21Y00B	KC2021	12	21.28690	08	58	34.23	+36	18	20.2
K21Y00B	KC2021	12	21.28980	08	58	43.07	+36	16	38.9
K21Y00B	KC2021	12	21.29545	08	59	00.27	+36	13	20.2
K21Y00B	mc2021	12	21.31602709	00	01.36	+36	00	59.4	
K21Y00B	mc2021	12	21.31619209	00	01.83	+36	00	53.0	
K21Y00B	mc2021	12	21.31635709	00	02.34	+36	00	46.8	
K21Y00B	mc2021	12	21.31652109	00	02.84	+36	00	40.9	
K21Y00D	6C2021	12	20.49485	11	39	23.94	+06	13	12.0
K21Y00D	6C2021	12	20.49536	11	39	24.25	+06	12	47.7
K21Y00D	6C2021	12	20.49587	11	39	24.56	+06	12	23.4
K21Y00D	6C2021	12	20.49639	11	39	24.87	+06	11	59.0
01862	C2021	11	19.54709	20	42	42.64	-13	36	09.0
01862	C2021	11	19.54770	20	42	43.05	-13	36	05.6
01862	C2021	11	19.54832	20	42	43.54	-13	36	02.4
01862	C2021	11	19.54894	20	42	44.12	-13	35	58.9
01862	C2021	11	19.54955	20	42	44.58	-13	35	55.2
01862	C2021	11	19.55015	20	42	45.07	-13	35	52.3
01862	C2021	11	19.55077	20	42	45.55	-13	35	48.7
01862	C2021	11	19.55138	20	42	46.01	-13	35	46.1
01862	C2021	11	19.55199	20	42	46.49	-13	35	42.5
01862	C2021	11	19.55259	20	42	46.97	-13	35	39.2
01862	C2021	11	19.59961	20	43	24.21	-13	31	19.3
01862	C2021	11	19.60020	20	43	24.75	-13	31	15.9
01862	C2021	11	19.60078	20	43	25.16	-13	31	13.3
01862	C2021	11	19.60138	20	43	25.63	-13	31	09.4
01862	C2021	11	19.60198	20	43	26.13	-13	31	06.6
01862	C2021	11	19.60256	20	43	26.57	-13	31	03.3
01862	C2021	11	19.60316	20	43	27.04	-13	30	59.8
01862	C2021	11	19.60433	20	43	27.68	-13	30	55.6
01862	KC2021	12	12.83738	00	38	29.56	+15	56	39.6
01862	KC2021	12	12.84363	00	38	31.77	+15	56	53.1
01862	KC2021	12	12.84985	00	38	34.00	+15	57	06.8
01862	KC2021	12	16.85679801	00	37.03	+18	06	01.9	
01862	KC2021	12	16.85860201	00	37.56	+18	06	05.4	
01862	KC2021	12	16.86039901	00	38.08	+18	06	07.9	
01862	C2021	12	17.52153801	03	56.53	+18	24	22.5	
01862	C2021	12	17.53500601	04	00.40	+18	24	44.1	
01862	C2021	12	17.54847401	04	04.29	+18	25	05.6	
01862	C2021	12	18.49973301	08	40.82	+18	49	52.5	
01862	C2021	12	18.51656801	08	45.48	+18	50	17.9	
01862	C2021	12	18.53340301	08	50.15	+18	50	43.2	
01862	KC2021	12	19.75067	01	14	29.59	+19	20	12.8
01862	KC2021	12	19.75273	01	14	30.15	+19	20	15.7
01862	KC2021	12	19.75480	01	14	30.71	+19	20	18.7
02340	KC2021	10	20.11765	06	40	33.49	+20	23	14.8
02340	KC2021	10	20.12611	06	40	30.15	+20	23	03.4
02340	KC2021	10	20.13476	06	40	26.72	+20	22	51.6
03361	C2021	09	16.36311802	32	37.35	+15	21	17.6	
03361	C2021	09	16.37365602	32	38.35	+15	21	20.9	

21.9	GVEY047291
20.43	GVEY047I52
20.37	GVEY047I52
20.16	GVEY047I52
20.67	GVEY047I52
19.37	GVEY047I52
18.82	GVEY047I52
20.21	GVEY047I52
19.92	GVEY047I52
21.1	GVEY047291
20.2	GVEY047291
20.5	GVEY047291
21.5	GVEY047290
21.8	GVEY047290
21.5	GVEY047290
18.8	VZEY047K19
18.9	VZEY047K19
18.77	GVEY047703
18.53	GVEY047703
18.57	GVEY047703
20.23	GVEY047703
20.3	GVEY047291
	VEY047291
20.5	GVEY047291
20.07	GVEY047I52
19.95	GVEY047I52
20.42	GVEY047I52
20.65	GVEY047I52
20.89	GVEY047I52
20.41	GVEY047I52
16.4	VqEY047Q21
15.2	VqEY047Q21
16.5	VqEY047Q21
15.5	VqEY047Q21
17.0	VqEY047Q21
15.3	VqEY047Q21
16.7	VqEY047Q21
16.7	VqEY047Q21
	oEY047291
	oEY047291
19.08	GVEY047I52
	VEY047I52
	VEY047I52
20.05	GVEY047I52
18.0	GVEY047291
18.0	GVEY047291
17.9	GVEY047291
18.19	GVEY047I52
18.17	GVEY047I52
17.41	GVEY047I52
18.17	GVEY047I52
20.1	GVEY047290
20.1	GVEY047290
20.1	GVEY047290
20.0	GVEY047290
15.8	RYEY047N42
14.5	RYEY047N42
	YEY047N42
	YEY047N42
	YEY047N42
	YEY047N42
16.6	RYEY047N42
17.0	RYEY047N42
15.6	RYEY047N42
15.9	RYEY047N42
	YEY047N42
	YEY047N42
16.6	RYEY047N42
16.8	RYEY047N42
16.1	RYEY047N42
16.8	RYEY047N42
	YEY047N42
17.3	RYEY047N42
15.7	GXEY047L63
15.5	GXEY047L63
15.9	GXEY047L63
16.2	GVEY047G17
16.6	GVEY047G17
16.1	GVEY047G17
16.0	RVEY047D29
16.2	RVEY047D29
16.4	RVEY047D29
16.2	RVEY047D29
16.6	RVEY047D29
16.3	RVEY047D29
16.0	GVEY047K83
15.9	GVEY047K83
15.9	GVEY047K83
19.1	GVEY047A17
18.7	GVEY047A17
19.2	GVEY047A17
19.39	GVEY047703
	VEY047703



66400	C2021	04	15.39607716	28	06.15	+31	47	43.5	17.39GVEY047G96		
66400	C2021	04	15.40279816	28	00.98	+31	47	41.2	17.49GVEY047G96		
66400	C2021	04	15.40948216	27	55.86	+31	47	39.0	VEY047G96		
66400	C2021	04	18.39231315	51	49.47	+31	04	30.5	17.40GVEY047703		
66400	C2021	04	18.39757215	51	45.67	+31	04	24.2	VEY047703		
66400	C2021	04	18.40283615	51	41.90	+31	04	16.8	17.34GVEY047703		
66400	C2021	04	18.40809615	51	38.14	+31	04	08.9	VEY047703		
66400	KC2021	04	20.96817	15	23	09.25	+29	56	17.4	GVEY047130	
66400	KC2021	04	20.96900	15	23	08.72	+29	56	17.2	GVEY047130	
66400	KC2021	04	20.96983	15	23	08.19	+29	56	17.3	GVEY047130	
66400	KC2021	04	20.97066	15	23	07.64	+29	56	17.4	GVEY047130	
66400	C2021	04	21.35689615	19	03.74	+29	44	09.5	17.31GVEY047703		
66400	C2021	04	21.36230815	19	00.25	+29	43	59.1	17.55GVEY047703		
66400	C2021	04	21.36772215	18	56.78	+29	43	48.4	17.17GVEY047703		
66400	C2021	04	21.37312815	18	53.29	+29	43	37.3	17.03GVEY047703		
66400	KC2021	04	23.24248015	00	19.68	+28	38	40.8	18.0	GXEY047U55	
66400	KC2021	04	23.24996415	00	15.55	+28	38	24.1	18.3	GXEY047U55	
68063	C2021	12	17.52153801	10	25.17	+18	54	56.8	17.2	RVEY047D29	
68063	C2021	12	17.52195901	10	25.24	+18	54	56.7	17.1	RVEY047D29	
68063	C2021	12	17.53500601	10	27.07	+18	55	00.5	17.2	RVEY047D29	
68063	C2021	12	17.53542701	10	27.12	+18	55	00.6	17.1	RVEY047D29	
68063	C2021	12	17.54847401	10	28.98	+18	55	04.2	17.0	RVEY047D29	
68063	C2021	12	17.54889501	10	29.04	+18	55	04.4	17.1	RVEY047D29	
68063	C2021	12	18.49931201	12	47.78	+18	59	33.7	17.3	RVEY047D29	
68063	C2021	12	18.51614701	12	50.16	+18	59	38.2	17.1	RVEY047D29	
68063	C2021	12	18.53298201	12	52.54	+18	59	43.1	17.1	RVEY047D29	
68063	KC2021	12	20.82229	01	18	25.23	+19	10	17.0	GXEY047K87	
68063	KC2021	12	20.82449	01	18	25.56	+19	10	17.0	GXEY047K87	
68063	KC2021	12	20.82669	01	18	25.86	+19	10	17.1	GXEY047K87	
68350	S2021	12	14.63677	11	27	31.18	-02	03	19	RLEY047C51	
68350	S2021	12	14.63677	1	-	6279.9987	-	2258.1121	-	1558.4665	EY047C51
68350	S2021	12	14.63690	11	27	31.19	-02	03	29.4	LEY047C51	
68350	S2021	12	14.63690	1	-	6265.4964	-	2241.2589	-	1639.3663	EY047C51
68350	S2021	12	14.76754	11	27	53.72	-02	01	24.1	LEY047C51	
68350	S2021	12	14.76754	1	-	6262.7800	-	2257.8983	-	1626.8180	EY047C51
68350	S2021	12	14.89819	11	28	16.16	-01	59	16.6	LEY047C51	
68350	S2021	12	14.89819	1	-	6259.9885	-	2274.5175	-	1614.3165	EY047C51
68350	S2021	12	15.02884	11	28	38.68	-01	57	10.1	LEY047C51	
68350	S2021	12	15.02884	1	-	6257.1275	-	2291.1243	-	1601.8201	EY047C51
68350	S2021	12	15.15949	11	29	01.22	-01	55	01.9	LEY047C51	
68350	S2021	12	15.15949	1	-	6253.8778	-	2307.3645	-	1590.6019	EY047C51
68350	S2021	12	15.22482	11	29	12.38	-01	53	58.3	LEY047C51	
68350	S2021	12	15.22482	1	-	6252.3787	-	2315.6454	-	1584.4146	EY047C51
68350	S2021	12	15.29014	11	29	23.60	-01	52	54.1	LEY047C51	
68350	S2021	12	15.29014	1	-	6250.8630	-	2323.9215	-	1578.2367	EY047C51
68350	S2021	12	15.61676	11	30	19.86	-01	47	30.7	LEY047C51	
68350	S2021	12	15.61676	1	-	6243.0238	-	2365.2404	-	1547.4505	EY047C51
68350	S2021	12	15.74754	11	30	42.39	-01	45	20.6	LEY047C51	
68350	S2021	12	15.74754	1	-	6225.8623	-	2364.7202	-	1616.1103	EY047C51
68350	S2021	12	15.87819	11	31	04.87	-01	43	09.4	LEY047C51	
68350	S2021	12	15.87819	1	-	6222.7193	-	2381.2283	-	1603.8815	EY047C51
68350	S2021	12	16.00884	11	31	27.26	-01	40	58.7	LEY047C51	
68350	S2021	12	16.00884	1	-	6219.5147	-	2397.7282	-	1591.6382	EY047C51
68350	S2021	12	16.13948	11	31	49.67	-01	38	47.5	LEY047C51	
68350	S2021	12	16.13948	1	-	6216.2358	-	2414.2049	-	1579.4469	EY047C51
68548	C2021	12	17.74115008	16	24.35	+34	20	13.1	19.3	RVEY047D29	
68548	C2021	12	17.75419708	16	22.82	+34	20	12.1	19.5	RVEY047D29	
85818	C2021	10	17.15121519	28	14.76	+57	36	09.4	19.38GVEY047703		
85818	C2021	10	17.16664019	28	16.47	+57	35	54.1	20.26GVEY047703		
85953	KC2021	02	22.63968	05	26	17.33	-26	32	50.1	16.1	GVEY047M46
85953	KC2021	02	22.65334	05	26	24.91	-26	30	15.5	16.9	GVEY047M46
85953	KC2021	02	22.66035	05	26	29.19	-26	28	50.4	16.7	GVEY047M46
85953	KC2021	02	22.66736	05	26	33.31	-26	27	29.4	16.7	GVEY047M46
85953	KC2021	02	22.67507	05	26	37.55	-26	25	59.3	16.5	GVEY047M46
85953	C2021	02	25.20203505	48	12.51	-18	56	25.0	VEY047703		
85953	C2021	03	09.65418	06	44	03.94	+02	14	22.4	17.9	VqEY047C97
86324	C2021	12	17.77976909	23	23.68	+18	31	07.8	18.1	RVEY047D29	
86324	C2021	12	17.79997109	23	21.73	+18	30	46.3	17.7	RVEY047D29	
86324	C2021	12	17.82017209	23	19.76	+18	30	24.5	18.3	RVEY047D29	
87024	KC2021	05	21.87212	13	07	38.01	+03	09	19.8	15.8	GVEY047K73
87024	KC2021	05	21.87464	13	07	38.14	+03	09	33.4	15.6	GVEY047K73
87024	KC2021	05	21.90314	13	07	36.96	+03	12	40.5	15.7	GVEY047K73
87024	KC2021	06	12.84636	13	20	56.89	+34	59	12.7	15.2	VqEY047L47
87024	KC2021	06	12.88493	13	20	58.69	+35	01	43.9	15.5	VqEY047L47
88188	KC2021	03	31.81438	07	20	42.56	+21	14	29.2	17.2	VqEY047K73
88188	KC2021	03	31.81947	07	20	43.67	+21	14	18.0	17.5	VqEY047K73
88263	C2021	11	20.58335	02	34	11.02	+14	57	22.3	15.0	RVEY047N42
88263	C2021	11	20.58408	02	34	10.98	+14	57	18.5	15.0	RVEY047N42
88263	C2021	11	20.58482	02	34	10.93	+14	57	14.7	15.0	RVEY047N42
88263	C2021	11	20.58555	02	34	10.87	+14	57	10.9	15.0	RVEY047N42
88263	C2021	11	20.58629	02	34	10.82	+14	57	07.0	15.2	RVEY047N42
88263	C2021	11	20.58702	02	34	10.76	+14	57	03.2	14.9	RVEY047N42
88263	C2021	11	20.58996	02	34	10.55	+14	56	48.1	14.8	RVEY047N42
88263	C2021	11	24.55667	02	29	56.90	+09	07	20.8	15.5	RVEY047N42
88263	C2021	11	24.55763	02	29	56.83	+09	07	15.9	15.5	RVEY047N42
88263	C2021	11	24.55859	02	29	56.77	+09	07	10.7	15.5	RVEY047N42
88263	C2021	11	24.55954	02	29	56.71	+09	07	05.8	15.5	RVEY047N42
88263	C2021	11	24.56050	02	29	56.65	+09	07	00.7	15.6	RVEY047N42
88263	C2021	11	24.56145	02	29	56.59	+09	06	55.5	15.5	RVEY047N42
88263	C2021	11	24.56241	02	29	56.53	+09	06	50.7	15.6	RVEY047N42
88263	C2021	11	24.63582	02	29	51.87	+09	00	22.8	15.8	RVEY047N42
88263	C2021	11	24.63677	02	29	51.80	+09	00	17.3	15.8	RVEY047N42
88263	C2021	11	24.63772	02	29	51.74	+09	00	12.3	15.8	RVEY047N42

88263	C2021	11	24.63868	02	29	51.67	+09	00	07.2	15.8	RVEY047N42
88263	C2021	11	24.63965	02	29	51.61	+09	00	02.1	15.9	RVEY047N42
88263	C2021	11	24.64061	02	29	51.54	+08	59	57.1	15.8	RVEY047N42
88263	C2021	11	24.64157	02	29	51.49	+08	59	52.2	15.8	RVEY047N42
88263	C2021	11	24.64253	02	29	51.43	+08	59	47.1	15.8	RVEY047N42
90075	C2021	12	12.75117804	21	34	59	+16	21	19.1	20.4	RVEY047D29
90075	C2021	12	12.76443604	21	33	72	+16	21	16.3	20.7	RVEY047D29
90075	C2021	12	12.77769304	21	32	88	+16	21	13.4	21.0	RVEY047D29
99942	C2021	01	28.83140	11	34	15.66	-19	15	38.9	16.5	rVEY047217
99942	C2021	01	28.83218	11	34	15.58	-19	15	39.2	16.6	rVEY047217
99942	C2021	01	28.83296	11	34	15.50	-19	15	39.4	16.4	rVEY047217
99942	C2021	01	28.83374	11	34	15.43	-19	15	39.8	16.6	rVEY047217
99942	C2021	01	28.83451	11	34	15.36	-19	15	39.9	16.5	rVEY047217
99942	C2021	01	28.83529	11	34	15.28	-19	15	40.2	16.5	rVEY047217
99942	C2021	01	28.83606	11	34	15.20	-19	15	40.6	16.6	rVEY047217
99942	C2021	01	28.83684	11	34	15.12	-19	15	40.8	16.5	rVEY047217
99942	C2021	01	28.83756	11	34	15.06	-19	15	41.1	16.6	rVEY047217
99942	C2021	01	28.83828	11	34	14.99	-19	15	41.3	16.6	rVEY047217
99942	C2021	01	28.83899	11	34	14.92	-19	15	41.7	16.5	rVEY047217
99942	C2021	01	28.84044	11	34	14.75	-19	15	42.1	16.6	rVEY047217
99942	C2021	01	28.84116	11	34	14.69	-19	15	42.4	16.5	rVEY047217
99942	C2021	01	28.84463	11	34	14.36	-19	15	43.6	16.5	rVEY047217
99942	C2021	01	28.84541	11	34	14.28	-19	15	43.9	16.6	rVEY047217
99942	C2021	01	28.84618	11	34	14.21	-19	15	44.2	16.5	rVEY047217
99942	C2021	01	28.84696	11	34	14.13	-19	15	44.5	16.5	rVEY047217
99942	C2021	01	28.84774	11	34	14.05	-19	15	44.7	16.6	rVEY047217
99942	C2021	01	28.84852	11	34	13.98	-19	15	45.0	16.6	rVEY047217
99942	C2021	01	28.84929	11	34	13.90	-19	15	45.3	16.6	rVEY047217
99942	C2021	01	28.85007	11	34	13.82	-19	15	45.5	16.5	rVEY047217
99942	C2021	01	28.85084	11	34	13.75	-19	15	45.9	16.5	rVEY047217
99942	C2021	01	28.85162	11	34	13.67	-19	15	46.2	16.6	rVEY047217
99942	C2021	01	28.85240	11	34	13.59	-19	15	46.5	16.5	rVEY047217
99942	C2021	01	28.85395	11	34	13.44	-19	15	47.0	16.6	rVEY047217
99942	C2021	01	28.85473	11	34	13.36	-19	15	47.3	16.5	rVEY047217
99942	C2021	01	28.85628	11	34	13.20	-19	15	47.8	16.5	rVEY047217
99942	C2021	01	28.85706	11	34	13.13	-19	15	48.2	16.6	rVEY047217
99942	C2021	01	28.85784	11	34	13.05	-19	15	48.4	16.6	rVEY047217
99942	C2021	01	28.85861	11	34	12.98	-19	15	48.6	16.6	rVEY047217
99942	C2021	01	28.85939	11	34	12.90	-19	15	48.9	16.6	rVEY047217
99942	C2021	01	28.86094	11	34	12.73	-19	15	49.5	16.6	rVEY047217
99942	C2021	01	28.86172	11	34	12.67	-19	15	49.7	16.6	rVEY047217
99942	C2021	01	28.86328	11	34	12.51	-19	15	50.4	16.7	rVEY047217
99942	C2021	01	28.86405	11	34	12.43	-19	15	50.6	16.5	rVEY047217
99942	C2021	01	28.86718	11	34	12.13	-19	15	51.6	16.7	rVEY047217
99942	C2021	01	28.86795	11	34	12.05	-19	15	51.9	16.6	rVEY047217
99942	C2021	01	28.86873	11	34	11.97	-19	15	52.3	16.6	rVEY047217
99942	C2021	01	28.86950	11	34	11.89	-19	15	52.6	16.5	rVEY047217
99942	C2021	01	28.87028	11	34	11.82	-19	15	52.7	16.6	rVEY047217
99942	C2021	01	28.87105	11	34	11.74	-19	15	53.1	16.6	rVEY047217
99942	C2021	01	28.87260	11	34	11.58	-19	15	53.6	16.7	rVEY047217
99942	C2021	01	28.87338	11	34	11.51	-19	15	53.8	16.6	rVEY047217
99942	C2021	01	28.87416	11	34	11.43	-19	15	54.1	16.7	rVEY047217
99942	C2021	01	28.87571	11	34	11.28	-19	15	54.6	16.6	rVEY047217
99942	C2021	01	28.87648	11	34	11.20	-19	15	54.9	16.7	rVEY047217
99942	C2021	01	28.87881	11	34	10.97	-19	15	55.7	16.6	rVEY047217
99942	C2021	01	28.88036	11	34	10.81	-19	15	56.2	16.7	rVEY047217
99942	C2021	01	28.88270	11	34	10.58	-19	15	57.1	16.7	rVEY047217
99942	C2021	01	28.88347	11	34	10.50	-19	15	57.3	16.6	rVEY047217
99942	C2021	01	28.88425	11	34	10.42	-19	15	57.6	16.6	rVEY047217
99942	C2021	01	28.88580	11	34	10.27	-19	15	58.1	16.6	rVEY047217
99942	C2021	01	28.88657	11	34	10.19	-19	15	58.4	16.7	rVEY047217
99942	C2021	01	28.88735	11	34	10.11	-19	15	58.6	16.7	rVEY047217
99942	C2021	01	28.88890	11	34	09.96	-19	15	59.1	16.7	rVEY047217
99942	C2021	01	28.88968	11	34	09.88	-19	15	59.4	16.7	rVEY047217
99942	C2021	01	28.89045	11	34	09.80	-19	15	59.7	16.8	rVEY047217
99942	C2021	01	28.89655	11	34	09.19	-19	16	01.7	16.7	rVEY047217
99942	C2021	01	28.89733	11	34	09.11	-19	16	02.0	16.7	rVEY047217
99942	C2021	01	28.89810	11	34	09.03	-19	16	02.3	16.8	rVEY047217
99942	C2021	01	28.89888	11	34	08.96	-19	16	02.5	16.7	rVEY047217
99942	C2021	01	28.90043	11	34	08.80	-19	16	03.0	16.7	rVEY047217
99942	C2021	01	28.90120	11	34	08.72	-19	16	03.2	16.7	rVEY047217
99942	C2021	01	28.90198	11	34	08.64	-19	16	03.5	16.8	rVEY047217
99942	C2021	01	28.90277	11	34	08.57	-19	16	03.8	16.7	rVEY047217
99942	C2021	01	28.90432	11	34	08.41	-19	16	04.2	16.7	rVEY047217
99942	C2021	01	28.90664	11	34	08.18	-19	16	05.1	16.8	rVEY047217
99942	C2021	01	28.90976	11	34	07.86	-19	16	06.1	16.8	rVEY047217
99942	C2021	01	28.91053	11	34	07.79	-19	16	06.3	16.8	rVEY047217
99942	C2021	01	28.91208	11	34	07.63	-19	16	06.8	16.8	rVEY047217
99942	C2021	01	28.91441	11	34	07.40	-19	16	07.6	16.8	rVEY047217
99942	C2021	01	28.91519	11	34	07.32	-19	16	07.9	16.8	rVEY047217
99942	C2021	01	28.91752	11	34	07.08	-19	16	08.6	16.8	rVEY047217
99942	C2021	01	28.92218	11	34	06.62	-19	16	10.1	16.8	rVEY047217
99942	C2021	01	28.92295	11	34	06.54	-19	16	10.4	16.9	rVEY047217
99942	C2021	01	28.92374	11	34	06.46	-19	16	10.6	16.8	rVEY047217
99942	C2021	01	28.92529	11	34	06.30	-19	16	11.1	16.8	rVEY047217
99942	C2021	01	28.92606	11	34	06.23	-19	16	11.3	16.8	rVEY047217
99942	C2021	01	28.92684	11	34	06.15	-19	16	11.6	16.8	rVEY047217
99942	C2021	01	28.92762	11	34	06.07	-19	16	11.9	16.8	rVEY047217
99942	C2021	01	28.92994	11	34	05.84	-19	16	12.6	16.8	rVEY047217
99942	C2021	01	28.93073	11	34	05.76	-19	16	12.8	16.8	rVEY047217
99942	C2021	03	10.44756	09	08	10.72	-04	05	10.5	14.4	RtEY047P66
99942	C2021	03	10.446523	09	08	06.13	-04	04	19.1	14.5	RtEY047P66
99942	C2021	03	10.448354	09	08	01.34	-04	03	25.8	14.5	RtEY047P66

99942	C2021	03	10.50183	09	07	56.53	-04	02	32.4	14.2	RtEY047P66	
99942	C2021	03	10.52020	09	07	51.69	-04	01	38.9	14.7	RtEY047P66	
99942	C2021	03	10.53852	09	07	46.86	-04	00	45.4	14.6	RtEY047P66	
99942	C2021	03	10.55681	09	07	42.03	-03	59	52.0	14.6	RtEY047P66	
99942	C2021	03	10.57524	09	07	37.16	-03	58	58.1	14.6	RtEY047P66	
99942	C2021	03	10.59353	09	07	32.33	-03	58	04.5	14.5	RtEY047P66	
99942	C2021	03	10.61182	09	07	27.52	-03	57	10.9	14.6	RtEY047P66	
99942	C2021	03	10.62863	09	07	23.12	-03	56	21.5	14.6	RtEY047P66	
99942	C2021	03	13.45325	08	56	48.18	-01	39	15.7	15.2	RtEY047P66	
99942	C2021	03	13.47309	08	56	43.46	-01	38	18.5	15.1	RtEY047P66	
99942	C2021	03	13.49247	08	56	38.79	-01	37	22.5	15.0	RtEY047P66	
99942	C2021	03	13.51025	08	56	34.52	-01	36	31.1	15.1	RtEY047P66	
99942	C2021	03	13.52859	08	56	30.12	-01	35	38.4	15.1	RtEY047P66	
99942	C2021	03	13.54692	08	56	25.70	-01	34	45.4	15.1	RtEY047P66	
99942	C2021	03	13.56539	08	56	21.25	-01	33	52.1	15.0	RtEY047P66	
99942	C2021	03	13.58372	08	56	16.85	-01	32	59.1	15.0	RtEY047P66	
99942	C2021	03	13.62047	08	56	08.08	-01	31	13.0	14.9	RtEY047P66	
99942	C2021	03	13.63877	08	56	03.75	-01	30	20.1	14.8	RtEY047P66	
99942	C2021	03	14.45618	08	53	16.32	-00	51	11.7	14.9	RtEY047P66	
99942	C2021	03	14.47376	08	53	12.26	-00	50	21.3	15.0	RtEY047P66	
99942	C2021	03	14.49216	08	53	08.00	-00	49	28.8	15.0	RtEY047P66	
99942	C2021	03	14.51047	08	53	03.75	-00	48	36.3	15.1	RtEY047P66	
99942	C2021	03	14.53104	08	52	58.97	-00	47	37.6	13.9	RtEY047P66	
99942	C2021	03	14.54946	08	52	54.69	-00	46	45.0	15.3	RtEY047P66	
99942	C2021	03	14.58605	08	52	46.21	-00	45	00.3	15.4	RtEY047P66	
99942	C2021	03	14.60439	08	52	41.98	-00	44	07.9	15.5	RtEY047P66	
99942	C2021	03	14.63190	08	52	35.70	-00	42	49.2	15.5	RtEY047P66	
A5140	KC2021	12	20.69600	21	02	30.26	+02	23	57.5	17.9	GXEY047K87	
A5140	KC2021	12	20.69818	21	02	30.47	+02	23	55.8	17.6	GXEY047K87	
A5140	KC2021	12	20.70038	21	02	30.66	+02	23	52.5	18.0	GXEY047K87	
D7925	C2021	12	12.82261009	58	49	49.51	+07	23	37.8	20.5	RVEY047D29	
D7925	C2021	12	12.84028709	58	49	49.25	+07	23	42.9	20.1	RVEY047D29	
D7925	C2021	12	12.85796309	58	48	48.96	+07	23	48.2	20.1	RVEY047D29	
E1079	C2021	01	04.28506305	20	41	62	-14	19	34.6	17.98	GVEY047703	
E1079	C2021	01	19.67149	03	50	30.13	-20	12	07.9	19.0	VqEY047C97	
E1079	C2021	01	19.67303	03	50	29.04	-20	12	11.0	19.3	VqEY047C97	
E1079	C2021	12	12.76973904	50	46	73	+16	58	17.3	19.9	RVEY047D29	
E1079	C2021	12	12.78034504	50	44	95	+16	58	08.9	21.0	RVEY047D29	
E2781	C2021	12	14.51672922	42	05	30	+12	50	40.6	19.9	RVEY047D29	
E2781	C2021	12	14.53760522	42	08	37	+12	50	12.9	19.1	RVEY047D29	
E3649	KC2021	09	19.95109502	10	48	70	+03	06	53.3	14.6	GVEY047Z80	
E3649	KC2021	09	19.95676702	10	41	96	+03	08	27.1	14.8	GVEY047Z80	
E3649	KC2021	09	20.96262701	49	05	07	+08	08	07.7	14.3	VqEY047J69	
E3649	KC2021	09	20.96667601	48	59	27	+08	09	25.6	14.4	VqEY047J69	
E3649	KC2021	09	20.97072701	48	53	48	+08	10	43.7	14.4	VqEY047J69	
E3649	KC2021	09	20.97478801	48	47	70	+08	12	01.6	14.3	VqEY047J69	
E3649	KC2021	09	23.93164400	19	29	30	+25	47	47.6	13.2	RVEY047I60	
F2742	C2021	12	21.20844902	10	50	58	+31	12	50.0	19.38	GVEY047G96	
F2742	C2021	12	21.21358302	10	50	66	+31	12	37.9	19.56	GVEY047G96	
F2742	C2021	12	21.21873602	10	50	74	+31	12	25.7		VEY047G96	
F2742	C2021	12	21.22388702	10	50	79	+31	12	13.1	19.18	GVEY047G96	
F3958	C2021	12	12.78581708	19	21	27	+13	07	13.1	20.5	RVEY047D29	
F3958	C2021	12	12.79907408	19	20	30	+13	07	16.3	20.4	RVEY047D29	
F3958	C2021	12	12.81233208	19	19	29	+13	07	20.0	19.9	RVEY047D29	
G2149	C2021	12	14.72852	05	41	22	+17	38	08.8	16.0	RVEY047N42	
G2149	C2021	12	14.72925	05	41	22	+17	38	07.1	15.9	RVEY047N42	
G2149	C2021	12	14.72997	05	41	22	+17	38	05.5	16.0	RVEY047N42	
G2149	C2021	12	14.73070	05	41	22	+17	38	03.7	16.0	RVEY047N42	
G2149	C2021	12	14.76041	05	41	20	+17	36	53.4	16.2	RVEY047N42	
G2149	C2021	12	14.76114	05	41	20	+17	36	51.6	16.8	RVEY047N42	
G2149	C2021	12	14.76186	05	41	20	+17	36	49.9	16.0	RVEY047N42	
G2149	C2021	12	14.76259	05	41	20	+17	36	48.1		VEY047N42	
G2149	C2021	12	14.76331	05	41	20	+17	36	46.5	16.0	RVEY047N42	
G2269	C2021	09	08.47324207	17	36	65	+22	34	26.2	19.05	GVEY047703	
G3758	C2021	01	06.08658821	37	51	70	+15	38	54.7	19.53	GVEY047703	
G4201	C2021	03	18.81593	14	07	18	+33	50	02.8	16.3	RoEY047C94	
G4201	C2021	03	18.81686	14	07	18	+33	50	02.5	16.1	RoEY047C94	
G4201	C2021	03	18.81774	14	07	17	+33	49	55.0	17.2	RoEY047C94	
G4201	C2021	03	18.81873	14	07	17	+33	49	52.4	17.0	RoEY047C94	
H0891	C2021	12	17.73062809	35	14	10	+34	27	08.7	16.9	RVEY047D29	
H0891	C2021	12	17.74367509	35	16	18	+34	27	01.1	17.0	RVEY047D29	
H0891	C2021	12	17.75672209	35	18	25	+34	26	53.6	17.3	RVEY047D29	
H3232	S2021	12	19.60168	11	55	25	+00	12	35.0	19	RLEY047C51	
H3232	S2021	12	19.60168	11	55	3792	-	2844	5694	-	1262.1660	EY047C51
H3232	S2021	12	19.86297	11	55	46	+00	08	04.6			LEY047C51
H3232	S2021	12	19.86297	11	55	1909	-	2876	4889	-	1238.7422	EY047C51
H3232	S2021	12	19.99375	11	55	57	+00	05	50.5			LEY047C51
H3232	S2021	12	19.99375	11	55	7753	-	2875	9663	-	1309.1667	EY047C51
H3232	S2021	12	20.05908	11	56	02	+00	04	44.0			LEY047C51
H3232	S2021	12	20.05908	11	56	2368	-	2883	9376	-	1303.3589	EY047C51
H3232	S2021	12	20.12440	11	56	07	+00	03	37.4			LEY047C51
H3232	S2021	12	20.12440	11	56	6881	-	2891	9051	-	1297.5598	EY047C51
H3232	S2021	12	20.18972	11	56	13	+00	02	28.3			LEY047C51
H3232	S2021	12	20.18972	11	56	1252	-	2899	8739	-	1291.7283	EY047C51
H3232	S2021	12	20.25505	11	56	18	+00	01	20.8			LEY047C51
H3232	S2021	12	20.25505	11	56	5528	-	2907	8482	-	1285.8423	EY047C51
J0788	C2021	09	09.21146323	36	17	72	-02	53	36.6			VEY047703
N1937	C2021	03	12.08107	13	10	35	-33	27	31.5	16.3	RqEY047Y00	
N1937	C2021	03	12.08604	13	10	36	-33	27	36.6	16.1	RqEY047Y00	
N1937	C2021	03	12.09634	13	10	37	-33	27	46.6	16.2	RqEY047Y00	
N1937	5C2021	03	13.20132	13	13	04	-33	45	18.3	15.2	GVEY047W88	
N1937	5C2021	03	13.21170	13	13	06	-33	45	29.8	15.2	GVEY047W88	
N1937	5C2021	03	13.22209	13	13	07	-33	45	41.3	15.2	GVEY047W88	

N1937	5C2021	03	13.23251	13	13	09.02	-33	45	52.6	15.1	GVEY047W88
N1937	5C2021	03	13.24317	13	13	10.40	-33	46	04.1	15.1	GVEY047W88
N1937	C2021	03	14.17576	13	15	48.54	-34	03	45.8		qEY047834
N1937	5C2021	03	14.19806	13	15	53.00	-34	04	13.9	14.7	GVEY047W88
N1937	5C2021	03	14.21929	13	15	56.56	-34	04	42.1	14.7	GVEY047W88
N1937	C2021	03	14.22324	13	15	56.40	-34	04	46.7		qEY047834
N1937	5C2021	03	14.22978	13	15	58.29	-34	04	55.7	14.7	GVEY047W88
N1937	5C2021	03	14.23978	13	15	59.96	-34	05	08.8	14.7	GVEY047W88
N1937	C2021	03	14.24602413	16	01	01.05	-34	05	19.9	14.5	GVEY047W85
N1937	IC2021	03	14.24915013	16	01	01.56	-34	05	24.0	14.5	GVEY047W85
N1937	C2021	03	14.29035213	16	08	08.44	-34	06	16.4	14.6	GVEY047W87
N1937	C2021	03	14.29346313	16	08	08.96	-34	06	20.3	14.6	GVEY047W87
N1937	C2021	03	14.33094613	16	15	15.32	-34	07	06.4	14.6	GVEY047W85
N1937	C2021	03	14.33344313	16	15	15.75	-34	07	09.6	14.6	GVEY047W85
N1937	C2021	03	14.37549613	16	23	23.06	-34	08	00.1	14.8	GVEY047W87
N1937	C2021	03	14.37861313	16	23	23.61	-34	08	03.8	14.8	GVEY047W87
N1937	C2021	03	16.07823	13	23	42.09	-34	54	31.4	14.3	GVEY047B74
N1937	C2021	03	16.08153	13	23	43.08	-34	54	37.6	14.3	GVEY047B74
N1937	C2021	03	16.08560	13	23	44.32	-34	54	45.7	14.3	GVEY047B74
O9886	C2021	12	17.77093109	29	32	32.88	+29	14	29.0	18.4	RVEY047D29
O9886	C2021	12	17.79113209	29	30	30.45	+29	14	04.4	18.2	RVEY047D29
O9886	C2021	12	17.81133409	29	28	28.01	+29	13	39.7	18.0	RVEY047D29
Q0277	S2021	12	19.42111	06	49	18.07	-65	50	23.4	19	RLEY047C51
Q0277	s2021	12	19.42111	1	+	219.7983	+	1077.0935	-	6767.8499	EY047C51
Q0277	S2021	12	19.55189	06	48	56.77	-65	53	35.6		LEY047C51
Q0277	s2021	12	19.55189	1	+	281.7265	+	1108.3789	-	6760.5133	EY047C51
Q0277	S2021	12	19.68254	06	48	35.42	-65	56	48.9		LEY047C51
Q0277	s2021	12	19.68254	1	+	268.4572	+	1103.8566	-	6761.7982	EY047C51
Q0277	S2021	12	19.94383	06	47	52.26	-66	03	13.2		LEY047C51
Q0277	s2021	12	19.94383	1	+	241.9927	+	1094.6457	-	6764.3030	EY047C51
Q0277	S2021	12	20.07461	06	47	30.40	-66	06	24.3		LEY047C51
Q0277	s2021	12	20.07461	1	+	303.7007	+	1126.5484	-	6756.5831	EY047C51
Q0277	S2021	12	20.20526	06	47	08.54	-66	09	36.1		LEY047C51
Q0277	s2021	12	20.20526	1	+	290.4641	+	1122.0007	-	6757.9256	EY047C51
Q7223	C2021	01	15.46306714	23	15	15.81	+04	16	33.4	18.78	GVEY047703
Q7223	C2021	01	15.46837214	23	13	13.30	+04	16	50.6	18.91	GVEY047703
Q7223	C2021	01	15.47898614	23	08	08.16	+04	17	25.9	18.67	GVEY047703
Q7223	C2021	01	15.87190	14	19	59.25	+04	38	39.1	18.9	RqEY047D29
Q7223	C2021	01	15.88604	14	19	52.34	+04	39	24.7	18.5	RqEY047D29
Q7223	C2021	01	15.90018	14	19	45.41	+04	40	10.7	18.3	RqEY047D29
Q7337	C2021	02	08.42956612	24	05	05.94	+37	50	20.1	20.22	GVEY047703
Q7337	KC2021	12	20.96498	05	28	20.13	+57	10	58.2	17.6	GXEY047K87
Q7337	KC2021	12	20.97965	05	28	15.55	+57	10	55.2	17.5	GXEY047K87
Q7337	KC2021	12	20.99433	05	28	11.01	+57	10	52.0	17.4	GXEY047K87
S3460	C2021	12	17.52406301	40	49	49.60	+19	52	36.9	19.2	RVEY047D29
S6079	C2021	10	14.26382001	50	21	21.54	-23	23	09.3	16.71	GVEY047703
S6079	C2021	10	14.26918501	50	16	16.68	-23	22	28.9	16.65	GVEY047703
S6079	C2021	10	14.27454901	50	11	11.86	-23	21	48.3	16.86	GVEY047703
S6079	C2021	10	14.27991501	50	07	07.00	-23	21	07.6	16.75	GVEY047703
S6079	C2021	10	14.29381801	49	54	54.47	-23	19	22.6	16.76	GVEY047G96
S6079	C2021	10	14.29917401	49	49	49.65	-23	18	42.1	16.76	GVEY047G96
S6079	C2021	10	14.30452901	49	44	44.83	-23	18	01.6	16.78	GVEY047G96
S6079	C2021	10	14.30987201	49	40	40.02	-23	17	21.0	16.77	GVEY047G96
U2831	C2021	03	20.31360012	27	16	16.01	+39	28	17.1	19.54	GVEY047703
V2070	5C2021	10	04.25074	03	38	32.10	-19	55	23.4	17.3	GVEY047W88
V2070	5C2021	10	04.26075	03	38	26.93	-19	56	21.0	17.4	GVEY047W88
V2070	5C2021	10	04.26737	03	38	23.61	-19	56	58.6	17.1	GVEY047W88
V2070	5C2021	10	05.21589	03	30	40.95	-21	23	48.0	17.2	GVEY047W88
V2070	5C2021	10	05.23329	03	30	32.28	-21	25	20.9	17.2	GVEY047W88
V2070	5C2021	10	05.24409	03	30	26.92	-21	26	18.1	17.3	GVEY047W88
V2070	5C2021	10	05.25345	03	30	22.23	-21	27	08.2	17.5	GVEY047W88
V2070	C2021	10	07.39023003	13	42	42.16	-24	19	56.6	17.64	GVEY047703
V2070	C2021	10	07.39554803	13	39	39.70	-24	20	19.5	17.55	GVEY047703
V2070	C2021	10	07.40086403	13	37	37.23	-24	20	43.8	17.51	GVEY047703
V2070	C2021	10	07.40617803	13	34	34.64	-24	21	07.8	18.23	GVEY047703
V8160	C2021	12	17.78439809	17	22	22.76	+12	25	49.9	17.3	RVEY047D29
V8160	C2021	12	17.80460009	17	23	23.78	+12	25	42.2	17.4	RVEY047D29
V8160	C2021	12	17.82480209	17	24	24.78	+12	25	34.1	17.3	RVEY047D29
f0195	C2021	12	17.78061109	11	17	17.50	+15	56	11.4	17.2	RVEY047D29
f0195	C2021	12	17.80081309	11	19	19.69	+15	56	16.9	17.5	RVEY047D29
f0195	C2021	12	17.82101409	11	21	21.89	+15	56	21.1	18.2	RVEY047D29
f4429	C2021	02	05.39544512	41	45	45.52	+41	38	10.0		VEY047703
f4429	C2021	02	08.43044312	45	57	57.73	+43	09	13.3	20.18	GVEY047703
f4429	C2021	02	23.30190113	03	58	58.06	+51	18	13.0	19.12	GVEY047703
g9382	C2021	12	12.82261010	07	18	18.46	+07	20	10.6	19.7	RVEY047D29
g9382	C2021	12	12.84028710	07	18	18.77	+07	20	02.9	20.1	RVEY047D29
g9382	C2021	12	12.85796310	07	19	19.09	+07	19	54.7	19.5	RVEY047D29
h8902	C2021	01	13.26318208	45	30	30.73	+53	11	48.6	16.57	GVEY047703
i2742	KC2021	10	27.81469	23	42	41.06	+29	11	04.8	17.1	VqEY047L47
i2742	KC2021	10	27.81692	23	42	41.38	+29	10	52.2	15.7	VqEY047L47
i6938	C2021	12	17.80628408	52	43	43.41	+21	15	26.5	20.3	RVEY047D29
i6938	C2021	12	17.82648508	52	42	42.97	+21	14	37.7	19.6	RVEY047D29
j0263	C2021	01	18.18545802	56	56	56.74	+17	10	08.9	20.03	GVEY047703
j0263	C2021	06	17.95542	19	23	05.62	+03	55	38.6	14.8	RVEY047L92
j0263	C2021	06	17.95871	19	23	04.36	+03	54	06.3	15.3	RVEY047L92
j0263	C2021	06	17.95954	19	23	04.05	+03	53	53.3	15.1	RVEY047L92
j3707	C2021	04	18.68049	14	03	32.55	+06	08	04.2	17.6	RoEY047C94
j3707	C2021	04	18.69756	14	03	26.19	+06	07	10.8	17.7	RoEY047C94
j3707	C2021	04	18.70993	14	03	22.62	+06	06	34.6	17.6	RoEY047C94
j4177	KC2021	12	20.78729	00	12	44.22	+66	01	55.2	17.2	GXEY047K87
j4177	KC2021	12	20.78949	00	12	44.50	+66	01	50.8	17.3	GXEY047K87
j4177	KC2021	12	20.79169	00	12	44.88	+66	01	46.2	17.3	GXEY047K87
k7351	KC2021	04	08.66796520	44	01	01.35	-30	01	43.1	19.8	GVEY047474

k7351	KC2021	04	08.67032420	44	00.77	-30	01	35.7	19.7	GVEY047474
k7351	KC2021	04	08.67268320	44	00.16	-30	01	28.3	19.9	GVEY047474
k7351	KC2021	04	27.96655918	42	48.96	+06	23	56.0	17.6	GVEY047L18
k7351	KC2021	04	27.96912018	42	47.39	+06	24	24.3	17.7	GVEY047L18
k7351	KC2021	04	27.97166618	42	45.96	+06	24	52.7	17.3	GVEY047L18
k7351	KC2021	05	03.91792517	38	07.12	+24	28	14.8	18.2	GVEY047L18
k7351	KC2021	05	03.92044917	38	05.28	+24	28	40.1	18.1	GVEY047L18
k7351	KC2021	05	03.92297317	38	03.45	+24	29	06.2	17.9	GVEY047L18
l1108	C2021	09	07.39287603	07	05.44	-13	36	22.4	20.14	GVEY047703
m1790	C2021	09	30.26192022	49	57.96	+36	53	52.5	19.65	gUEY047I41
m1790	C2021	09	30.26241022	49	57.99	+36	53	51.0	19.80	gUEY047I41
m1790	C2021	09	30.30178022	50	01.27	+36	51	41.8	19.00	iUEY047I41
m1790	C2021	09	30.32598022	50	03.27	+36	50	22.3	18.88	rUEY047I41
m1790	C2021	09	30.32645022	50	03.33	+36	50	20.8	18.90	rUEY047I41
m1790	C2021	10	08.27949723	02	33.03	+29	18	51.4	19.20	GVEY047703
m1790	C2021	10	08.28484623	02	33.46	+29	18	32.8	19.35	GVEY047703
m1790	KC2021	10	08.83407 23	03	27.47	+28	46	30.1	19.0	GVEY047A17
m1790	C2021	10	09.20104323	04	02.86	+28	25	15.0	19.00	GVEY047703
m1790	C2021	10	09.20673823	04	03.37	+28	24	55.7	19.16	GVEY047703
m1790	C2021	10	09.21243423	04	03.87	+28	24	34.9	19.09	GVEY047703
m1790	C2021	10	10.30728023	05	49.84	+27	20	53.7	18.91	rUEY047I41
m1790	C2021	10	13.14929823	10	30.19	+24	36	31.0	19.39	GVEY047G96
m1790	C2021	10	13.15979023	10	31.16	+24	35	55.0	19.26	GVEY047G96
m1790	C2021	10	13.18453323	10	33.42	+24	34	30.1	19.81	GVEY047703
m1790	C2021	10	13.19506123	10	34.31	+24	33	53.3	19.41	GVEY047703
m3656	C2021	03	10.37281112	35	22.02	+12	16	46.8	19.07	GVEY047703
m3656	C2021	03	10.38324212	35	08.16	+12	15	49.5	18.73	GVEY047703
m3656	C2021	03	10.38845612	35	01.39	+12	15	21.1	19.30	GVEY047703
m3656	KC2021	03	14.97361710	40	19.28	+02	35	53.4	18.1	RVEY047160
m3656	KC2021	03	14.97599910	40	15.31	+02	35	32.6	18.6	RVEY047160
m3656	KC2021	03	14.97836910	40	11.32	+02	35	12.1	18.5	RVEY047160
m3656	KC2021	03	16.93966909	48	52.19	-02	12	05.9		VEY047160
m3656	KC2021	03	16.94128009	48	49.69	-02	12	19.8	18.3	RVEY047160
m3656	KC2021	03	16.94288909	48	47.30	-02	12	33.1		VEY047160
m3656	KC2021	03	17.87061 09	26	23.17	-04	17	08.2	19.4	GVEY047130
m3656	KC2021	03	17.87436 09	26	17.79	-04	17	36.6	19.3	GVEY047130
p8678	LC2021	12	21.07023704	27	17.68	-55	31	09.3	15.8	GXEY047807
p8678	LC2021	12	21.09535904	27	27.29	-55	30	25.7	16.1	GXEY047807
p8678	LC2021	12	21.11959504	27	36.47	-55	29	43.3	16.4	GXEY047807
p8678	LC2021	12	21.14391204	27	45.67	-55	28	59.9	16.1	GXEY047807
p8678	LC2021	12	21.16820604	27	54.86	-55	28	16.0	16.1	GXEY047807
q3585	KC2021	09	04.10271 05	18	20.46	+00	38	45.7	18.9	GVEY047A17
q5356	S2021	12	18.68370 12	19	49.70	+17	04	40.9	19	RLEY047C51
q5356	s2021	12	18.68370 1 -	6082.4387 -	3022.9744 +	891.5923				EY047C51
q5356	S2021	12	18.74902 12	19	51.52	+17	06	32.9		LEY047C51
q5356	s2021	12	18.74902 1 -	6077.9971 -	3030.1169 +	897.5658				EY047C51
q5356	S2021	12	18.81435 12	19	53.27	+17	08	26.0		LEY047C51
q5356	s2021	12	18.81435 1 -	6073.5353 -	3037.2529 +	903.5692				EY047C51
q5356	S2021	12	18.87967 12	19	55.07	+17	10	18.1		LEY047C51
q5356	s2021	12	18.87967 1 -	6069.0590 -	3044.3777 +	909.5640				EY047C51
q5356	S2021	12	19.01032 12	19	58.57	+17	14	03.5		LEY047C51
q5356	s2021	12	19.01032 1 -	6060.0796 -	3058.6021 +	921.5056				EY047C51

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