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MPEC 2020-X05 : DAILY ORBIT UPDATE (2020 December 3)

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M.P.E.C. 2020-X05

Issued 2020 December 3, 12:11 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 (2020 December 3)

Update to 2020-X03

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

New identifications:

K09WF1F	J95S56P	Ly
J95T06B	K11W32C	Ly
J96T32H	K13U41M	Ly
J97S12A	K12Q67P	Ly
K11UV0G	J97U06W	Ly
J98B31H	K09F92M	Ly
J98W38Q	K09Se3Y	Ly

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J94X02T	16.7	0.15	K20CH	300.509	220.491	204.939	4.474	0.14551	2.70779	13	X
J95S84D	17.6	0.15	K20CH	337.164	74.130	18.673	16.748	0.17056	2.57018	5	X
J95T06B	17.3	0.15	K20CH	315.173	349.270	25.305	12.404	0.07197	2.99973	5	V
J95U27W	18.2	0.15	K20CH	31.672	216.558	153.639	2.475	0.18414	2.57948	4	V
J95U36R	18.9	0.15	K20CH	22.710	273.037	111.015	3.134	0.19377	2.33483	7	V
J95U56T	17.3	0.15	K20CH	44.747	218.574	138.565	2.957	0.14645	2.59291	12	X
J95U62F	18.0	0.15	K20CH	13.006	272.204	125.805	2.249	0.16003	2.57832	6	V
J96E05O	16.9	0.15	K20CH	334.903	98.271	355.323	8.668	0.11857	3.00363	8	X
J96T32H	16.5	0.15	K20CH	50.273	69.682	31.771	26.614	0.27273	3.16856	4	V
J97S12A	15.6	0.15	K20CH	22.525	356.165	332.544	4.350	0.17727	3.96972	8	V
J98B31H	16.5	0.15	K20CH	78.780	204.573	311.504	11.275	0.21610	3.07060	8	V
J98M00N	17.4	0.15	K20CH	47.582	53.761	293.462	22.495	0.22973	2.35349	7	X
J98R11Z	18.6	0.15	K20CH	208.326	330.387	29.165	1.919	0.16370	2.25523	4	V
J98S12T	16.8	0.15	K20CH	11.276	80.981	291.904	16.049	0.38286	3.13355	4	X
J98S32M	16.7	0.15	K20CH	30.310	137.234	167.407	11.802	0.23215	3.13229	6	X
J98SH8X	15.9	0.15	K20CH	207.693	154.865	53.940	24.391	0.09902	3.09081	9	X
J98SI1M	19.5	0.15	K20CH	55.554	134.161	205.918	1.621	0.19420	2.13543	3	V
J98W02A	19.9	0.15	K20CH	19.692	126.447	234.127	22.395	0.58899	2.68767	2	X
J98W38Q	14.2	0.15	K20CH	296.837	26.962	54.105	15.697	0.09967	5.15683	9	V
J99CE4S	18.0	0.15	K20CH	111.711	57.693	2.278	14.004	0.27123	2.65446	5	V
J99P04G	17.5	0.15	K20CH	33.940	22.370	330.192	12.967	0.30353	2.58877	3	X
J99R09S	17.5	0.15	K20CH	348.987	213.959	167.548	14.137	0.26397	2.61788	3	X
J99R42E	16.8	0.15	K20CH	339.865	207.553	180.351	15.377	0.29629	3.07336	5	X
J99T21E	18.3	0.15	K20CH	10.960	74.282	22.896	21.170	0.10403	1.88252	7	X
J99T33S	18.4	0.15	K20CH	26.534	160.373	206.997	6.341	0.36571	2.59999	2	X

J99VD4J	17.2	0.15	K20CH	330.051	241.846	230.332	10.946	0.20056	2.59509	8 X
J99W18P	17.7	0.15	K20CH	36.821	322.131	53.708	4.669	0.19412	2.59608	6 X
J99XE6S	16.7	0.15	K20CH	348.266	352.498	78.255	4.245	0.08567	2.61103	12 X
J99XM8E	16.7	0.15	K20CH	329.371	13.192	95.449	7.857	0.25312	3.04901	8 X
K00B31F	18.4	0.15	K20CH	13.157	113.306	297.941	2.341	0.17019	2.33167	7 X
K00P27Q	20.0	0.15	K20CH	25.690	44.314	321.178	7.286	0.42125	2.22800	3 X
K00T75J	16.9	0.15	K20CH	87.232	321.529	279.098	6.690	0.12600	2.54450	10 X
K01B02O	16.0	0.15	K20CH	328.998	100.927	346.413	21.424	0.12148	2.55494	8 X
K01FI3S	15.8	0.15	K20CH	139.774	251.900	4.553	24.764	0.18934	3.14850	8 X
K01H68W	15.8	0.15	K20CH	70.630	248.471	92.449	11.048	0.03669	3.12235	12 X
K01P04S	16.8	0.15	K20CH	29.277	327.387	339.532	23.074	0.21397	2.17583	8 X
K01QA7N	17.9	0.15	K20CH	42.730	101.380	259.851	17.748	0.09701	1.93280	10 X
K01S12N	16.7	0.15	K20CH	68.317	343.701	337.954	13.300	0.21198	2.79075	5 X
K01S27M	17.0	0.15	K20CH	46.460	338.015	5.865	16.252	0.30900	2.80336	7 X
K01S88X	17.5	0.15	K20CH	9.293	6.316	343.205	10.241	0.20240	2.44848	5 X
K01SH1G	17.0	0.15	K20CH	10.564	210.127	196.588	13.307	0.19043	2.79143	8 X
K01SL3Y	16.4	0.15	K20CH	304.276	238.802	173.703	15.029	0.13936	2.87580	10 X
K01SM9F	17.3	0.15	K20CH	57.426	160.765	171.963	8.963	0.30278	2.79983	5 X
K01SW3A	16.8	0.15	K20CH	27.725	332.407	326.144	9.902	0.30398	2.85599	7 X
K01Sa4P	18.2	0.15	K20CH	15.457	42.859	340.062	5.016	0.20200	2.42119	6 V
K01TN7G	16.0	0.15	K20CH	127.258	192.576	89.279	6.213	0.07019	2.78498	12 X
K01U91K	18.0	0.15	K20CH	108.854	266.675	25.264	20.645	0.16223	1.93716	6 X
K01UJ8T	17.3	0.15	K20CH	9.323	194.345	212.513	11.897	0.14227	2.80518	5 X
K01UK0S	18.2	0.15	K20CH	26.853	137.682	257.714	2.215	0.20400	2.41958	5 X
K01UN8U	18.6	0.15	K20CH	336.148	61.358	34.699	21.671	0.07065	1.94140	5 X
K01UO1D	18.9	0.15	K20CH	33.282	237.620	118.690	4.130	0.28254	2.43229	4 V
K01VC1H	19.0	0.15	K20CH	23.826	337.788	52.197	22.770	0.09658	1.94896	3 X
K01XH7C	16.5	0.15	K20CH	343.882	173.768	268.413	15.604	0.19496	2.86061	7 X
K01Y63X	16.3	0.15	K20CH	297.421	130.170	279.141	11.056	0.05040	2.53315	11 X
K01YG2W	18.4	0.15	K20CH	0.293	326.283	94.425	4.162	0.05413	2.16981	10 X
K02AE0A	16.9	0.15	K20CH	79.610	165.662	267.837	23.360	0.20249	2.36662	4 V
K02AL1C	18.0	0.15	K20CH	19.753	164.412	235.193	1.844	0.19744	2.45791	9 X
K02CW1V	18.1	0.15	K20CH	11.963	255.427	147.018	1.702	0.30050	2.46862	5 X
K02D21U	18.8	0.15	K20CH	15.590	65.742	350.032	19.261	0.08911	1.97675	4 X
K02EA4M	16.3	0.15	K20CH	159.330	144.478	111.935	11.261	0.13383	2.54487	12 X
K02G51K	15.7	0.15	K20CH	95.386	309.207	286.388	7.726	0.08970	3.12504	10 X
K02K16Z	15.2	0.15	K20CH	113.701	9.430	264.805	15.896	0.14767	3.10437	13 X
K02N16M	16.9	0.15	K20CH	47.208	236.075	114.851	10.091	0.29120	2.31842	9 X
K02N82M	16.2	0.15	K20CH	16.514	116.552	272.148	20.841	0.09527	2.67515	6 X
K02O34T	16.5	0.15	K20CH	30.579	330.441	325.988	17.198	0.26044	2.72776	10 X
K02O37L	17.1	0.15	K20CH	42.286	85.757	262.151	20.564	0.26006	2.33279	6 X
K02P34S	17.6	0.15	K20CH	15.160	240.913	161.543	8.437	0.23472	2.67471	6 X
K02PA0W	17.5	0.15	K20CH	35.491	251.977	120.266	6.958	0.19259	2.31733	13 X
K02PIOV	15.9	0.15	K20CH	13.382	102.163	294.979	12.421	0.10650	3.20121	7 X
K02PJ8X	16.9	0.15	K20CH	340.623	105.079	267.603	4.901	0.08795	2.73381	11 X
K02Q94J	17.1	0.15	K20CH	55.079	24.538	314.979	12.954	0.14962	2.69156	5 X
K02Q94N	17.4	0.15	K20CH	50.440	118.524	232.292	7.501	0.26371	2.68584	7 X
K02QB4F	16.6	0.15	K20CH	5.845	161.185	184.528	9.659	0.10346	2.73595	10 X
K02QF2R	17.5	0.15	K20CH	30.368	298.253	75.689	3.407	0.22830	2.32669	10 X
K02QF7E	16.1	0.15	K20CH	61.715	182.978	168.519	11.353	0.07073	3.16758	11 X
K02RE7L	17.2	0.15	K20CH	47.962	25.929	333.322	0.836	0.21046	2.68935	9 X
K02RH2D	17.4	0.15	K20CH	68.661	259.961	72.953	4.677	0.22478	2.67766	6 X
K02RK0E	16.8	0.15	K20CH	45.126	18.330	279.464	5.771	0.13662	2.36168	12 X
K02RL9M	17.8	0.15	K20CH	78.570	323.340	344.238	10.000	0.24326	2.32259	6 X
K02RN8N	18.4	0.15	K20CH	29.006	15.065	16.346	2.737	0.20698	2.32247	6 X
K02RO9A	18.4	0.15	K20CH	21.950	231.192	159.551	2.586	0.20185	2.32587	6 X
K02RS8U	15.6	0.15	K20CH	83.805	60.068	174.691	16.646	0.09662	3.38752	11 X
K02S13P	17.3	0.15	K20CH	30.115	73.486	289.044	13.287	0.27540	2.71281	4 X
K02S33B	17.4	0.15	K20CH	344.723	40.521	336.593	1.698	0.19848	2.37810	10 X
K02S59D	18.1	0.15	K20CH	38.418	320.449	1.639	20.339	0.08950	1.88732	7 X
K02S73F	18.5	0.15	K20CH	26.093	353.667	33.562	4.173	0.24932	2.32817	2 X
K02T55R	18.1	0.15	K20CH	36.699	171.806	192.637	4.937	0.26093	2.34000	6 X
K02TD2M	17.8	0.15	K20CH	38.879	270.573	97.115	5.538	0.25391	2.33358	8 X
K02TFOX	16.3	0.15	K20CH	14.689	74.051	332.601	4.051	0.12517	3.23482	11 X
K02TL2T	16.1	0.15	K20CH	30.524	288.588	94.553	12.283	0.19081	2.69381	11 X
K02TR4B	18.1	0.15	K20CH	28.509	127.855	244.430	2.678	0.28201	2.34358	5 X
K02TR7P	16.7	0.15	K20CH	54.710	117.335	220.618	12.821	0.21088	2.71459	10 X
K02TU4S	18.1	0.15	K20CH	44.431	216.857	156.267	6.270	0.12070	2.33000	9 X
K02TY6N	18.3	0.15	K20CH	9.472	278.069	133.780	6.074	0.15194	2.33822	8 X
K02Tb9O	18.7	0.15	K20CH	354.312	243.992	188.782	2.167	0.18896	2.33213	9 X
K02U10V	18.5	0.15	K20CH	42.298	349.469	8.727	1.842	0.30585	2.34044	5 X
K02U75M	18.0	0.15	K20CH	21.372	179.879	216.352	6.665	0.10671	2.34321	7 X
K02U77N	16.3	0.15	K20CH	22.412	115.673	210.048	19.543	0.22708	2.77458	7 X
K02V46O	17.7	0.15	K20CH	355.859	344.353	80.592	6.134	0.20996	2.35181	10 X
K02W33E	18.1	0.15	K20CH	112.620	23.118	58.488	14.724	0.23192	2.58538	3 V
K02X04Z	16.6	0.15	K20CH	36.829	118.148	238.302	19.171	0.28861	2.33599	8 X
K02X46A	17.5	0.15	K20CH	314.960	182.000	289.163	19.579	0.06210	1.88837	9 X
K02X65D	17.9	0.15	K20CH	3.633	117.863	298.734	18.666	0.14278	1.88119	7 X
K03A37P	17.7	0.15	K20CH	1.629	180.015	250.755	4.820	0.41506	2.72993	5 X
K03G29W	18.7	0.15	K20CH	21.750	15.583	18.299	20.943	0.08019	1.92703	6 X
K03G38S	16.4	0.15	K20CH	297.310	285.948	150.500	6.907	0.20525	2.92068	7 X
K03K40M	17.8	0.15	K20CH	35.926	69.343	218.861	12.175	0.26382	2.59375	4 V
K03O15Q	16.8	0.15	K20CH	32.700	0.923	299.597	19.368	0.28460	2.63447	5 X
K03O23Q	15.9	0.15	K20CH	152.831	298.798	317.172	26.317	0.03024	3.05486	7 X
K03O33F	15.7	0.15	K20CH	62.577	33.601	290.066	17.604	0.26747	3.10730	8 X
K03Q71M	17.2	0.15	K20CH	356.723	145.958	205.088	11.433	0.23439	2.64891	8 X
K03Q86D	16.5	0.15	K20CH	54.911	18.413	336.102	8.632	0.09705	3.06911	11 X
K03QB2J	17.2	0.15	K20CH	46.008	194.080	143.107	8.151	0.36342	2.61068	7 X
K03QCON	16.6	0.15	K20CH	316.094	84.441	337.020	15.783	0.22930	2.63943	6 X
K03QCOU	17.2	0.15	K20CH	44.813	252.787	111.893	1.646	0.10004	2.58002	8 X
K03QC5B	16.9	0.15	K20CH	70.764	92.612	217.162	15.429	0.25252	3.13375	5 V
K03R28G	16.7	0.15	K20CH	341.044	108.829	338.222	13.253	0.19407	3.08355	7 X
K03S23J	17.9	0.15	K20CH	21.928	59.701	252.854	4.328	0.38628	2.64149	4 X

K03S25A	16.3	0.15	K20CH	21.787	43.616	339.101	14.427	0.10792	2.59347	10	X
K03S27V	17.5	0.15	K20CH	316.273	72.107	336.182	5.839	0.08948	2.28710	11	X
K03S29H	15.6	0.15	K20CH	350.085	98.638	341.277	15.556	0.22455	3.12211	8	X
K03S33P	17.3	0.15	K20CH	7.330	235.518	183.311	11.974	0.22210	2.59498	6	X
K03SC1G	16.4	0.15	K20CH	39.511	168.539	199.829	9.643	0.08459	3.10916	6	X
K03SG1D	17.3	0.15	K20CH	4.488	36.118	15.059	12.602	0.28517	2.61778	5	X
K03SH50	17.2	0.15	K20CH	20.887	25.621	3.125	13.608	0.16896	2.59756	2	X
K03SS9T	19.0	0.15	K20CH	35.974	302.546	64.157	3.612	0.22660	2.25151	4	X
K03SY3A	16.2	0.15	K20CH	354.736	65.000	0.053	15.159	0.21733	3.12111	8	X
K03SZ5U	17.3	0.15	K20CH	25.765	218.402	167.287	8.346	0.20575	2.60531	6	X
K03Sd0W	15.9	0.15	K20CH	254.104	139.978	50.453	11.017	0.12364	3.07418	10	X
K03Se3W	16.1	0.15	K20CH	48.563	73.157	255.573	24.467	0.22907	3.16421	6	X
K03Sh8V	17.4	0.15	K20CH	303.846	247.081	171.512	9.551	0.14896	2.66605	7	X
K03Si9F	17.8	0.15	K20CH	356.799	205.708	233.506	9.065	0.29631	2.60229	4	X
K03Sj2X	18.2	0.15	K20CH	73.155	303.211	32.272	5.831	0.17783	2.23614	8	X
K03Sj7U	16.1	0.15	K20CH	6.059	164.843	260.070	7.874	0.09006	3.07263	11	X
K03Sk8P	18.2	0.15	K20CH	2.619	209.260	200.387	7.527	0.17925	2.59835	4	V
K03Sk8Z	17.8	0.15	K20CH	10.694	40.285	357.791	12.350	0.17436	2.60804	3	X
K03Sk9E	16.5	0.15	K20CH	40.343	241.470	110.262	11.258	0.22378	3.14230	6	V
K03Sk9F	17.9	0.15	K20CH	58.670	86.928	334.685	6.815	0.25442	3.04500	2	V
K03T00W	16.8	0.15	K20CH	39.207	351.838	7.248	14.078	0.23221	3.14446	3	X
K03T48N	16.6	0.15	K20CH	37.306	21.780	345.938	11.861	0.14971	3.12613	7	X
K03T64U	17.6	0.15	K20CH	351.856	75.269	10.939	24.567	0.38684	3.15164	5	X
K03U05R	19.3	0.15	K20CH	20.014	120.075	258.834	9.258	0.37185	2.62306	2	V
K03U10U	18.1	0.15	K20CH	29.558	3.555	19.376	9.743	0.20002	2.25121	5	X
K03U96L	15.8	0.15	K20CH	34.544	321.359	54.671	18.125	0.21184	3.15672	6	X
K03UA9G	16.3	0.15	K20CH	35.794	28.480	273.127	6.465	0.09800	2.70569	11	X
K03UC5C	17.1	0.15	K20CH	41.877	327.296	23.487	5.102	0.22298	2.61243	8	X
K03UH0S	15.6	0.15	K20CH	56.830	83.712	277.208	21.086	0.01196	2.59020	14	X
K03UI2M	17.2	0.15	K20CH	13.581	180.654	216.448	11.903	0.17164	2.61627	7	X
K03UJ8D	17.1	0.15	K20CH	53.789	303.458	42.187	9.162	0.20028	2.61050	7	V
K03UN0M	18.4	0.15	K20CH	12.440	17.639	16.145	5.046	0.28966	2.62891	3	V
K03UN4S	15.8	0.15	K20CH	104.348	232.568	66.311	11.896	0.07474	3.17016	9	X
K03UN7V	16.1	0.15	K20CH	347.785	210.452	234.329	17.262	0.21819	3.17192	8	X
K03UU2M	17.6	0.15	K20CH	8.049	39.656	10.870	11.773	0.18322	2.60799	6	X
K03UW0D	17.8	0.15	K20CH	25.015	282.894	110.504	6.678	0.15572	2.25188	10	X
K03UY0V	16.5	0.15	K20CH	42.899	154.884	206.199	18.839	0.19887	3.08886	8	X
K03UY1S	15.9	0.15	K20CH	99.156	53.629	267.784	9.394	0.05532	3.05523	11	X
K03Ub4M	17.9	0.15	K20CH	357.463	71.286	345.192	12.212	0.23974	2.60145	5	X
K03Ud7Z	16.0	0.15	K20CH	47.550	210.307	144.942	11.212	0.20915	3.16733	11	X
K03Ud9U	18.4	0.15	K20CH	27.894	148.229	230.689	5.662	0.21072	2.26120	5	X
K03Uf7F	16.5	0.15	K20CH	18.116	203.309	198.149	12.378	0.16957	3.13621	8	X
K03Ui6H	17.6	0.15	K20CH	35.994	117.156	252.984	0.696	0.10909	2.62180	10	V
K03V010	18.9	0.15	K20CH	15.249	156.159	230.625	16.004	0.37299	2.62724	3	X
K03W11Y	17.2	0.15	K20CH	354.684	168.541	267.318	13.018	0.28164	2.62524	7	X
K03W12V	17.4	0.15	K20CH	7.871	43.010	57.260	32.851	0.26048	2.59739	3	X
K03W24G	16.7	0.15	K20CH	309.470	252.969	251.587	27.682	0.33540	2.62715	5	X
K03W36Q	16.4	0.15	K20CH	32.043	133.513	250.312	16.790	0.19955	2.61466	5	X
K03W48R	17.7	0.15	K20CH	341.076	198.133	261.989	4.232	0.12668	2.24693	7	X
K03WA4T	16.6	0.15	K20CH	331.868	228.816	245.232	30.777	0.21750	2.62834	8	X
K03WG3T	16.9	0.15	K20CH	30.146	113.931	271.575	0.060	0.16467	3.18003	6	X
K03WJ5Q	17.5	0.15	K20CH	0.201	73.318	329.029	3.602	0.19096	2.64459	6	V
K03WJ5Z	17.4	0.15	K20CH	118.138	50.926	246.688	5.581	0.11862	2.26993	10	X
K03WK2T	16.0	0.15	K20CH	86.931	271.733	51.867	20.419	0.14341	3.15427	7	X
K03X16Z	17.3	0.15	K20CH	354.779	348.983	84.046	15.071	0.22561	2.63217	4	X
K03YD4U	16.2	0.15	K20CH	322.401	12.648	93.018	22.835	0.04645	2.67055	7	X
K03YD9R	16.3	0.15	K20CH	19.264	135.938	30.845	10.917	0.13373	2.52869	9	V
K03YH7H	15.9	0.15	K20CH	237.563	301.771	254.947	14.230	0.11211	3.19843	9	X
K03YI5A	18.4	0.15	K20CH	28.546	39.980	353.161	1.643	0.21065	2.26410	8	X
K04A00C	18.9	0.15	K20CH	340.537	171.346	13.591	11.518	0.67188	1.80177	4	X
K04A27N	16.5	0.15	K20CH	355.834	207.296	211.557	10.698	0.09437	3.21297	10	X
K04D87E	16.7	0.15	K20CH	226.037	261.145	292.826	12.537	0.04539	2.71909	6	X
K04E92C	16.9	0.15	K20CH	342.082	253.301	192.195	4.477	0.15056	2.70946	11	X
K04F100	16.8	0.15	K20CH	1.208	69.879	336.114	12.174	0.18249	2.71171	6	X
K04G18W	18.7	0.15	K20CH	50.076	171.545	202.152	20.082	0.11362	1.85471	7	X
K04K22D	16.9	0.15	K20CH	12.542	153.934	190.009	14.678	0.19518	2.48320	8	X
K04L12K	16.0	0.15	K20CH	59.349	259.814	84.212	15.792	0.16703	2.86647	10	X
K04P70B	17.6	0.15	K20CH	62.054	29.006	325.730	18.970	0.08233	1.90564	8	X
K04R96A	16.5	0.15	K20CH	19.485	153.827	233.798	6.824	0.16668	2.98951	6	X
K04RG3Z	17.0	0.15	K20CH	12.732	45.418	344.064	14.116	0.27527	3.03919	6	X
K04RG9M	17.4	0.15	K20CH	2.114	174.888	181.032	9.222	0.30409	3.07847	4	X
K04RN8B	17.3	0.15	K20CH	40.305	45.027	323.542	3.384	0.20094	2.99837	6	X
K04RV7U	17.0	0.15	K20CH	19.256	119.816	189.826	16.960	0.26184	3.09439	5	X
K04RW6S	16.8	0.15	K20CH	51.036	11.210	258.560	6.420	0.19219	2.56396	8	X
K04S63T	18.4	0.15	K20CH	341.752	238.395	212.532	3.821	0.20170	2.16484	5	X
K04Tt4S	18.9	0.15	K20CH	22.367	172.928	216.767	3.297	0.12010	2.16292	6	V
K04TJ2F	17.8	0.15	K20CH	15.278	355.092	28.519	5.096	0.27711	3.04754	4	V
K04TK10	17.3	0.15	K20CH	13.047	177.261	231.988	16.969	0.19072	3.04035	3	X
K04TL0K	16.4	0.15	K20CH	168.437	321.440	292.905	2.666	0.08135	2.98938	11	X
K04TN9N	18.4	0.15	K20CH	188.610	126.138	220.297	1.117	0.24274	2.36439	3	V
K04TQ1B	16.2	0.15	K20CH	319.738	271.917	197.819	5.744	0.13275	3.01879	13	X
K04TU8H	17.7	0.15	K20CH	95.261	201.165	223.879	22.354	0.21185	2.40490	7	V
K04Tb4M	16.1	0.15	K20CH	14.059	166.481	230.398	15.894	0.14604	3.05169	8	X
K04Tc1B	18.2	0.15	K20CH	135.787	257.587	19.777	20.814	0.05296	1.91060	7	X
K04Tc5T	18.3	0.15	K20CH	0.240	198.039	221.013	18.466	0.29429	3.04437	2	V
K04V04F	16.5	0.15	K20CH	319.161	254.663	210.068	8.871	0.09035	3.03936	10	X
K04V51S	16.9	0.15	K20CH	155.930	163.477	90.726	7.502	0.13412	2.52820	11	X
K04V81N	16.1	0.15	K20CH	133.423	179.423	89.380	5.836	0.20594	2.52767	12	X
K04V98N	16.7	0.15	K20CH	302.158	261.018	225.729	2.328	0.03695	3.01885	12	X
K04VD2T	16.5	0.15	K20CH	339.878	229.131	217.619	8.955	0.04034	3.04559	9	X
K04W12Y	15.7	0.15	K20CH	69.491	272.845	62.470	14.074	0.06575	3.09882	10	X
K04W14A	16.5	0.15	K20CH	354.093	356.730	73.158	9.164	0.21834	3.04929	9	X
K04XJ4Q	17.4	0.15	K20CH	16.585	166.393	243.010	3.719	0.07918	2.54073	8	X

K04XJ5A	16.4	0.15	K20CH	359.676	168.386	260.405	8.636	0.05340	3.06821	8 X
K04XJ7V	16.6	0.15	K20CH	56.922	71.731	251.075	25.022	0.25389	3.10594	6 X
K04XJ9G	15.7	0.15	K20CH	214.327	338.232	241.936	16.819	0.01641	3.03788	3 V
K04Y37Y	18.1	0.15	K20CH	339.450	108.488	277.921	4.298	0.19438	2.22455	7 X
K04Y39L	17.5	0.15	K20CH	344.007	95.929	349.290	11.514	0.22797	2.54659	4 X
K04Y41T	17.5	0.15	K20CH	23.777	253.091	135.734	4.780	0.26618	2.55289	5 X
K05A37U	16.1	0.15	K20CH	293.637	137.370	5.429	4.942	0.09447	3.14165	12 X
K05A76D	18.1	0.15	K20CH	9.612	92.741	318.230	10.402	0.30412	2.55069	6 X
K05A77H	16.4	0.15	K20CH	331.233	114.211	335.938	11.458	0.13439	3.15905	8 X
K05A83J	17.1	0.15	K20CH	347.779	48.803	334.649	10.278	0.26349	2.61938	7 X
K05A84M	18.0	0.15	K20CH	4.097	77.798	328.330	10.579	0.27789	2.55586	3 X
K05B52A	16.2	0.15	K20CH	27.056	73.709	309.356	15.283	0.05252	3.18159	9 X
K05B52R	17.1	0.15	K20CH	27.630	76.348	300.940	10.661	0.20609	2.57188	7 X
K05C40Q	17.2	0.15	K20CH	47.442	285.136	58.770	4.586	0.25173	2.61185	8 X
K05EY4W	18.4	0.15	K20CH	62.818	5.813	335.315	2.456	0.22709	2.23007	7 X
K05L39P	17.8	0.15	K20CH	24.093	102.275	249.470	8.929	0.33271	2.40107	7 X
K05M48U	17.5	0.15	K20CH	355.111	80.623	276.595	9.029	0.20324	2.42691	8 X
K05N02O	17.9	0.15	K20CH	63.543	191.894	147.352	2.671	0.23752	2.36356	9 X
K05N18N	18.3	0.15	K20CH	47.134	189.388	166.200	1.088	0.19626	2.36678	8 X
K05O35D	16.9	0.15	K20CH	212.864	328.500	64.897	5.449	0.20188	2.56883	10 V
K05Q10S	18.8	0.15	K20CH	12.729	229.905	150.691	15.797	0.47892	2.42049	4 X
K05QB9Y	17.3	0.15	K20CH	2.778	265.864	155.853	5.868	0.12110	2.36540	10 X
K05QC6B	16.8	0.15	K20CH	4.903	180.661	158.310	1.534	0.16405	2.96117	9 X
K05R06O	18.9	0.15	K20CH	65.064	349.484	349.608	19.849	0.16045	1.83333	3 X
K05R53O	17.9	0.15	K20CH	328.440	305.111	154.175	4.469	0.12230	2.37565	7 X
K05S06R	18.7	0.15	K20CH	49.024	109.274	231.918	2.236	0.28035	2.40520	3 X
K05S34G	18.4	0.15	K20CH	31.519	323.175	58.840	4.547	0.20672	2.39851	6 X
K05S96S	17.4	0.15	K20CH	43.627	60.633	298.749	0.903	0.24992	2.88426	5 X
K05SC8A	18.6	0.15	K20CH	13.388	32.729	18.720	2.742	0.17801	2.39189	6 X
K05SD2F	17.4	0.15	K20CH	355.012	69.668	16.442	21.959	0.31331	2.40206	4 X
K05SH9O	18.0	0.15	K20CH	53.195	278.919	69.796	2.791	0.24380	2.39052	5 X
K05SQ8F	16.2	0.15	K20CH	348.638	129.440	226.256	10.334	0.11217	2.98875	11 X
K05T52Q	18.2	0.15	K20CH	37.281	154.916	205.185	4.140	0.25788	2.40827	5 X
K05TB0L	16.3	0.15	K20CH	280.055	221.815	213.694	8.046	0.14010	3.00519	10 X
K05TJ9Q	17.7	0.15	K20CH	26.554	310.877	81.314	5.032	0.16491	2.39054	10 X
K05U33Y	17.3	0.15	K20CH	16.004	0.571	48.454	11.199	0.14004	2.90906	4 X
K05U40R	18.3	0.15	K20CH	326.519	281.819	184.275	1.019	0.14802	2.41932	8 X
K05U86B	18.3	0.15	K20CH	30.530	315.421	70.182	2.488	0.18619	2.40318	3 X
K05UQ5O	17.7	0.15	K20CH	34.745	310.387	60.876	6.947	0.14894	2.41976	7 X
K05US0X	18.3	0.15	K20CH	3.559	197.564	228.266	23.193	0.23000	2.41074	3 X
K05UY3U	18.7	0.15	K20CH	25.170	89.389	306.342	2.657	0.17914	2.40194	6 X
K05Uc7V	18.0	0.15	K20CH	42.786	268.063	97.579	3.017	0.21917	2.41128	7 X
K05Um8O	17.7	0.15	K20CH	6.414	61.083	287.573	2.797	0.19377	2.45510	6 X
K05Ur5H	17.8	0.15	K20CH	8.917	306.833	108.299	3.524	0.16733	2.41231	8 X
K05Ut0Y	19.2	0.15	K20CH	27.475	182.025	194.296	3.331	0.19483	2.41709	3 V
K05Ut0Z	18.9	0.15	K20CH	27.370	169.138	208.479	4.531	0.20544	2.42380	4 V
K05Ut1C	18.1	0.15	K20CH	196.291	51.796	31.419	13.345	0.23349	2.57981	4 V
K05V41P	17.6	0.15	K20CH	35.176	171.855	207.650	24.084	0.24306	2.40570	6 X
K05V50P	18.1	0.15	K20CH	12.367	283.821	129.383	3.068	0.20148	2.40140	5 X
K05VF3H	18.2	0.15	K20CH	130.665	14.857	37.248	4.473	0.09576	2.73798	5 V
K05W58V	17.2	0.15	K20CH	16.535	325.839	55.855	6.639	0.37256	2.40283	9 X
K05W77N	18.7	0.15	K20CH	9.243	109.506	308.495	1.920	0.20233	2.41916	5 X
K05WB0J	17.0	0.15	K20CH	356.252	127.302	235.015	4.190	0.30563	3.01289	6 X
K05WL7Z	17.4	0.15	K20CH	181.586	74.731	296.032	1.582	0.02979	2.72999	10 V
K05X33J	17.6	0.15	K20CH	22.701	294.251	92.469	3.605	0.19914	2.43196	9 X
K05X52S	16.4	0.15	K20CH	17.644	93.402	285.311	13.174	0.15486	3.00039	7 X
K05XC4G	16.1	0.15	K20CH	74.089	344.141	341.356	12.309	0.08276	3.17143	8 X
K05XC5D	15.6	0.15	K20CH	40.787	344.019	310.315	10.030	0.08362	3.16493	9 X
K05Y28X	18.1	0.15	K20CH	334.396	356.748	106.138	2.899	0.14743	2.44251	7 X
K05Y93D	17.3	0.15	K20CH	357.376	165.976	199.606	3.073	0.19205	2.51530	11 X
K05YJ8N	16.7	0.15	K20CH	35.961	265.001	114.996	11.331	0.10922	2.99143	9 X
K05YJ9Z	17.4	0.15	K20CH	31.144	278.031	103.963	5.660	0.18898	2.45758	6 X
K05YP5N	15.9	0.15	K20CH	31.263	359.312	310.154	9.543	0.17313	3.15420	10 X
K05YTIK	16.1	0.15	K20CH	342.939	276.869	99.190	2.457	0.14856	3.05793	13 X
K06A94W	15.9	0.15	K20CH	166.490	300.266	303.924	12.136	0.20395	3.10032	9 X
K06AB5X	17.6	0.15	K20CH	125.808	170.149	286.015	7.341	0.05927	2.73167	6 V
K06B67Y	17.8	0.15	K20CH	300.332	44.212	89.420	2.416	0.13960	2.46607	6 X
K06BP9O	16.5	0.15	K20CH	7.795	16.389	40.904	2.888	0.03590	3.06877	10 X
K06BS2J	16.1	0.15	K20CH	351.253	28.911	325.810	15.802	0.12096	3.18911	8 X
K06BS9S	16.2	0.15	K20CH	29.211	63.340	327.970	21.265	0.05490	3.05746	6 X
K06C83B	16.6	0.15	K20CH	72.774	334.917	342.143	13.897	0.27055	2.53769	9 X
K06DJ9V	15.7	0.15	K20CH	260.593	246.314	277.045	13.262	0.16597	3.07386	8 X
K06DL9M	16.7	0.15	K20CH	104.178	2.283	296.058	4.237	0.21793	2.54745	12 X
K06DM2F	16.1	0.15	K20CH	308.276	69.931	61.813	20.886	0.23014	3.05131	7 X
K06H37J	16.9	0.15	K20CH	22.354	192.634	203.730	14.220	0.05120	2.53406	8 X
K06HA9C	17.3	0.15	K20CH	65.817	186.372	146.273	4.518	0.18069	2.64005	11 X
K06HF7Z	16.2	0.15	K20CH	335.579	221.256	224.558	26.274	0.12891	3.18154	7 X
K06J10Y	16.1	0.15	K20CH	307.424	234.901	247.502	7.657	0.04373	3.18995	10 X
K06J69F	17.3	0.15	K20CH	6.024	31.369	29.966	5.500	0.05989	2.54573	9 X
K06K56M	18.5	0.15	K20CH	319.730	48.601	62.949	22.909	0.07749	1.89987	5 X
K06K60S	16.6	0.15	K20CH	31.058	265.093	102.567	11.421	0.34318	2.67885	9 X
K06K61H	18.1	0.15	K20CH	65.828	236.952	101.952	8.664	0.18508	2.22572	6 X
K06K82A	16.2	0.15	K20CH	325.735	7.110	98.115	14.137	0.15713	3.19040	9 X
K06KF3P	16.3	0.15	K20CH	37.701	45.074	262.187	10.899	0.17714	2.80380	7 X
K06M15O	15.9	0.15	K20CH	37.857	231.383	138.247	10.781	0.19267	3.44848	9 X
K06P00Q	16.6	0.15	K20CH	245.597	224.782	302.400	13.853	0.02074	2.68637	8 X
K06Q03B	17.6	0.15	K20CH	5.385	72.883	340.689	9.112	0.39556	2.76472	5 X
K06Q19F	18.1	0.15	K20CH	55.411	211.450	129.006	2.514	0.24635	2.27762	7 X
K06Q41Q	16.6	0.15	K20CH	48.381	136.417	209.191	6.377	0.30834	2.74544	10 X
K06Q71S	18.3	0.15	K20CH	19.249	254.139	146.948	6.553	0.16342	2.27139	9 X
K06Q90U	18.0	0.15	K20CH	347.061	51.676	351.373	7.624	0.50880	2.83509	4 X
K06QA5Q	16.3	0.15	K20CH	161.366	302.289	311.114	10.256	0.03866	2.69504	13 X
K06QB1U	17.1	0.15	K20CH	63.700	102.261	227.257	5.551	0.29123	2.72928	7 X

K06QC4X	17.0	0.15	K20CH	6.890	156.599	190.815	8.429	0.21245	2.80302	9 X
K06QI5S	16.3	0.15	K20CH	131.981	286.461	341.994	12.891	0.17362	2.71247	11 X
K06QJ2K	18.3	0.15	K20CH	38.006	7.194	5.183	3.334	0.23250	2.27050	5 X
K06R01J	22.2	0.15	K20CH	266.030	110.336	93.433	1.414	0.30057	0.95070	4 X
K06RC1W	16.1	0.15	K20CH	22.340	354.817	311.965	12.587	0.16231	2.85773	8 X
K06S10B	18.7	0.15	K20CH	31.344	74.202	302.108	9.469	0.13975	2.27117	3 X
K06SC0X	17.9	0.15	K20CH	59.322	204.123	138.993	6.818	0.20927	2.28833	6 X
K06SE6P	18.6	0.15	K20CH	341.923	250.324	199.127	4.224	0.16448	2.28416	6 X
K06SF2F	16.7	0.15	K20CH	348.896	107.151	330.919	2.846	0.07545	2.74806	10 X
K06SH5H	18.0	0.15	K20CH	36.821	32.065	341.359	2.723	0.20441	2.73983	5 X
K06ST6R	17.4	0.15	K20CH	355.441	70.749	352.360	10.085	0.23869	2.76422	5 X
K06Sd0G	17.4	0.15	K20CH	53.737	225.580	118.764	9.554	0.25108	2.29993	9 X
K06Se2C	18.2	0.15	K20CH	10.780	323.838	78.798	3.073	0.20896	2.31757	7 X
K06Sf9X	16.6	0.15	K20CH	310.340	246.732	233.520	10.782	0.15653	2.70937	9 X
K06Sg4P	18.2	0.15	K20CH	337.369	340.355	116.838	2.968	0.18931	2.30437	8 X
K06Si5A	17.0	0.15	K20CH	65.509	322.731	13.324	25.870	0.11190	2.74900	5 X
K06Si5F	18.3	0.15	K20CH	352.096	269.037	168.513	3.752	0.28892	2.76802	6 X
K06Sj2N	18.1	0.15	K20CH	267.503	333.086	43.954	5.789	0.14332	2.45416	2 V
K06T65O	16.5	0.15	K20CH	328.895	55.659	330.269	14.328	0.15721	2.86035	6 X
K06T70W	18.5	0.15	K20CH	36.386	283.553	84.761	3.466	0.22162	2.29658	5 X
K06U11X	17.3	0.15	K20CH	40.431	172.462	179.581	3.225	0.24597	2.79058	5 X
K06U95P	18.1	0.15	K20CH	61.402	276.321	61.708	4.858	0.25636	2.29253	7 X
K06U95W	18.7	0.15	K20CH	26.662	319.536	74.189	3.161	0.17079	2.29390	7 X
K06UA8M	17.3	0.15	K20CH	46.378	280.845	75.140	9.048	0.24941	2.78847	7 X
K06UG5M	17.4	0.15	K20CH	339.479	353.736	101.408	3.119	0.16566	2.76592	6 X
K06UI3G	16.3	0.15	K20CH	10.424	163.569	247.980	10.915	0.21778	2.74856	9 X
K06Ua0B	17.5	0.15	K20CH	357.604	236.491	187.685	4.792	0.15035	2.77483	5 X
K06V21S	18.2	0.15	K20CH	65.518	298.674	47.627	6.344	0.15859	2.28837	6 X
K06V27M	18.9	0.15	K20CH	26.236	340.911	49.953	1.853	0.22291	2.30441	6 X
K06V75X	15.3	0.15	K20CH	185.302	194.059	319.010	16.681	0.16320	3.13079	11 X
K06V82V	17.7	0.15	K20CH	27.194	98.458	300.273	1.275	0.13229	2.77642	7 X
K06V94R	18.5	0.15	K20CH	44.712	261.873	95.409	2.170	0.21224	2.31429	6 X
K06VC5O	17.0	0.15	K20CH	34.004	76.696	310.573	2.264	0.10598	2.79281	11 X
K06VF4F	18.5	0.15	K20CH	43.783	102.108	261.768	4.129	0.24309	2.29804	6 X
K06W38U	18.0	0.15	K20CH	58.489	250.394	94.504	3.368	0.23471	2.30785	6 X
K06W79L	16.4	0.15	K20CH	351.358	208.411	224.870	26.664	0.21288	2.78432	6 X
K06WH5Y	18.2	0.15	K20CH	5.944	200.143	222.841	4.841	0.19678	2.31485	6 X
K06WK9B	17.5	0.15	K20CH	348.217	97.425	26.856	23.810	0.27746	2.30593	4 X
K06WK9D	17.1	0.15	K20CH	5.412	18.136	43.762	3.867	0.08982	2.81170	8 X
K06WK9K	18.0	0.15	K20CH	49.077	95.901	263.085	5.372	0.25247	2.30050	4 X
K06WL5Q	18.0	0.15	K20CH	345.056	337.878	103.523	3.488	0.17890	2.30568	6 X
K06X19Y	18.0	0.15	K20CH	17.744	305.010	93.120	3.858	0.20026	2.33065	8 X
K06X31A	18.2	0.15	K20CH	348.251	325.741	109.556	3.275	0.18636	2.32276	7 X
K06X50V	17.8	0.15	K20CH	336.768	162.919	282.030	10.629	0.15411	2.34647	7 X
K06X81T	16.6	0.15	K20CH	253.562	66.618	271.780	5.354	0.31514	2.53133	9 V
K06Y15S	17.6	0.15	K20CH	13.502	305.329	93.231	3.259	0.21449	2.34436	9 X
K07A01S	16.8	0.15	K20CH	11.996	10.213	34.373	17.640	0.35679	2.76009	6 X
K07A06T	16.8	0.15	K20CH	330.646	16.207	77.546	9.842	0.11986	2.83345	11 X
K07B23N	17.5	0.15	K20CH	340.701	137.039	304.554	15.109	0.20568	2.86027	5 X
K07B84O	16.8	0.15	K20CH	336.248	89.081	290.452	4.369	0.18901	2.98352	9 X
K07BB7O	17.9	0.15	K20CH	99.983	138.308	309.600	8.505	0.12278	2.67819	3 V
K07C53T	15.3	0.15	K20CH	101.386	243.040	340.325	25.711	0.18170	3.17880	7 X
K07C83S	16.0	0.15	K20CH	71.736	287.140	323.324	18.232	0.12195	3.16519	8 X
K07D34M	19.2	0.15	K20CH	123.838	308.018	159.308	24.582	0.12759	1.91324	4 V
K07D46P	16.0	0.15	K20CH	77.989	270.750	330.714	12.157	0.24076	3.23577	5 X
K07D91N	16.3	0.15	K20CH	314.075	256.288	150.768	13.443	0.17345	3.02600	11 X
K07E40B	16.9	0.15	K20CH	244.310	110.675	72.406	3.770	0.03583	2.97665	10 X
K07E74H	17.4	0.15	K20CH	18.663	214.890	357.167	13.124	0.19548	2.69863	4 V
K07E16C	17.4	0.15	K20CH	55.863	210.721	144.561	7.905	0.11741	2.41171	10 X
K07E19O	18.5	0.15	K20CH	359.931	186.613	243.630	1.625	0.15838	2.37199	8 X
K07EK8W	17.8	0.15	K20CH	336.440	1.540	90.317	6.833	0.15655	2.39869	9 X
K07EN3P	18.0	0.15	K20CH	358.024	76.323	346.686	23.056	0.18732	2.37042	4 X
K07G78S	16.2	0.15	K20CH	54.052	273.353	64.873	26.219	0.28777	3.17314	6 X
K07G81O	18.2	0.15	K20CH	137.419	339.948	189.471	2.618	0.09094	2.56934	4 V
K07H62E	16.6	0.15	K20CH	183.867	87.597	153.583	2.258	0.08360	3.02313	10 X
K07HA2Z	16.6	0.15	K20CH	287.739	336.751	168.351	9.080	0.08721	3.01597	7 X
K07L05G	16.3	0.15	K20CH	45.007	239.035	110.963	16.820	0.21247	3.19094	6 V
K07M11U	15.5	0.15	K20CH	252.803	224.036	296.367	13.320	0.05834	3.22747	11 X
K07O01R	16.8	0.15	K20CH	30.249	68.524	289.905	26.075	0.35025	2.63002	4 X
K07P12Y	17.1	0.15	K20CH	7.803	6.534	328.705	9.107	0.34440	2.67571	4 X
K07P35O	16.7	0.15	K20CH	16.846	355.705	324.740	13.555	0.25350	2.68469	6 X
K07P39C	16.2	0.15	K20CH	28.327	59.297	301.841	30.115	0.26489	2.62808	5 X
K07Q07L	17.0	0.15	K20CH	348.428	26.830	343.231	7.405	0.22992	2.68842	6 X
K07Q18T	17.1	0.15	K20CH	89.466	167.490	146.732	9.522	0.16667	2.57535	8 X
K07Q20C	18.0	0.15	K20CH	27.634	187.190	180.231	14.414	0.16240	2.61686	2 V
K07R14S	18.1	0.15	K20CH	18.933	187.413	204.259	5.995	0.24755	2.61841	4 X
K07R79L	17.6	0.15	K20CH	42.430	191.006	172.943	2.827	0.24015	2.61043	6 X
K07RA8M	19.4	0.15	K20CH	22.086	194.393	194.399	3.413	0.21383	2.18136	4 V
K07RE1N	17.4	0.15	K20CH	37.735	188.892	180.670	9.053	0.21554	2.62100	6 X
K07RG2O	19.0	0.15	K20CH	19.648	170.384	219.434	2.332	0.11595	2.17084	4 V
K07RH0F	17.0	0.15	K20CH	156.085	21.413	161.300	13.450	0.06596	2.71001	10 X
K07RH8Y	16.9	0.15	K20CH	317.060	88.164	19.263	22.239	0.07615	2.61309	6 X
K07RI7T	17.6	0.15	K20CH	30.131	67.545	290.706	11.697	0.28898	2.63951	4 X
K07RL8V	17.1	0.15	K20CH	120.472	277.202	28.006	4.241	0.03475	2.58752	12 X
K07RP2U	17.1	0.15	K20CH	24.958	310.639	2.679	13.342	0.28710	2.70124	3 X
K07RS0Q	17.0	0.15	K20CH	27.050	141.165	225.651	11.510	0.30661	2.64609	6 X
K07RS1C	17.0	0.15	K20CH	60.511	352.079	324.929	13.357	0.24581	2.64546	4 X
K07Ra4P	18.4	0.15	K20CH	30.915	216.561	132.942	2.993	0.21962	2.63914	2 V
K07Ra4Q	16.6	0.15	K20CH	23.639	69.617	328.242	14.185	0.09760	2.56442	8 V
K07S15K	17.0	0.15	K20CH	95.321	59.240	24.959	26.634	0.31027	3.15669	2 V
K07S25E	16.2	0.15	K20CH	137.806	221.238	55.152	15.841	0.21741	2.55171	10 X
K07T08G	18.6	0.15	K20CH	3.892	104.388	347.732	15.434	0.62908	2.64236	3 X
K07T48W	17.8	0.15	K20CH	51.967	105.052	220.985	4.154	0.36224	2.64341	4 X

K07T59Y	16.8	0.15	K20CH	349.977	227.564	212.336	16.518	0.16173	2.63121	7 X
K07TG5D	17.1	0.15	K20CH	347.931	129.652	238.274	7.611	0.18616	2.73143	8 X
K07TH4V	17.7	0.15	K20CH	43.724	291.614	53.436	6.226	0.27365	2.64162	5 V
K07TI5K	17.5	0.15	K20CH	50.566	300.697	47.351	4.879	0.31496	2.62058	4 X
K07TJ1Q	16.7	0.15	K20CH	16.451	347.111	35.967	13.830	0.28775	2.64519	5 X
K07TK2A	18.0	0.15	K20CH	358.179	260.300	174.408	2.335	0.39872	2.65091	4 X
K07TO1T	17.7	0.15	K20CH	27.163	323.973	48.822	3.239	0.17019	2.66602	4 V
K07TP7P	19.1	0.15	K20CH	9.286	136.704	281.851	1.536	0.19198	2.17732	4 X
K07TT6Z	17.1	0.15	K20CH	70.701	275.561	56.778	12.172	0.20453	2.65003	7 X
K07TV2Z	17.7	0.15	K20CH	84.514	268.684	58.926	5.107	0.24684	2.60583	3 V
K07TV7T	17.7	0.15	K20CH	357.079	198.765	219.675	11.965	0.23224	2.66789	5 V
K07Te5K	17.5	0.15	K20CH	355.565	206.579	229.375	12.875	0.21856	2.65243	3 X
K07Th3L	17.1	0.15	K20CH	49.660	299.034	45.556	13.692	0.19053	2.63963	10 X
K07Tl3R	17.3	0.15	K20CH	72.353	67.707	272.846	12.180	0.29394	2.61092	3 V
K07Tm9Y	18.0	0.15	K20CH	20.542	201.905	182.089	3.903	0.16328	2.63568	3 V
K07Tn0X	18.7	0.15	K20CH	5.415	203.537	191.850	2.116	0.21047	2.67685	2 V
K07Tn0Y	16.4	0.15	K20CH	24.214	113.415	46.728	27.279	0.11905	3.15492	2 V
K07U04A	17.0	0.15	K20CH	18.483	54.314	33.552	32.017	0.18958	2.57818	8 X
K07U29R	17.8	0.15	K20CH	1.890	29.275	37.831	7.221	0.24878	2.63574	4 X
K07U30H	17.3	0.15	K20CH	38.661	315.752	47.999	14.684	0.28706	2.63991	4 X
K07U45H	17.7	0.15	K20CH	61.927	288.641	39.303	11.964	0.31537	2.64100	3 X
K07U64D	18.8	0.15	K20CH	328.302	245.981	208.518	3.855	0.09012	2.18922	4 V
K07UB3W	18.2	0.15	K20CH	58.283	122.098	228.947	23.433	0.13891	1.89141	6 X
K07UD0V	17.3	0.15	K20CH	39.434	308.951	58.292	14.308	0.13262	2.67028	2 X
K07UF8X	18.1	0.15	K20CH	45.817	302.688	35.668	13.192	0.26748	2.64303	2 V
K07UF9F	17.6	0.15	K20CH	284.786	75.111	28.879	6.409	0.10145	2.69353	7 V
K07UF9G	18.3	0.15	K20CH	212.628	1.093	70.312	5.916	0.17982	2.36107	3 V
K07V11W	16.5	0.15	K20CH	36.171	133.645	238.178	30.979	0.21477	2.66117	7 X
K07V65C	17.8	0.15	K20CH	339.027	29.162	59.926	8.930	0.20144	2.68097	4 X
K07V74K	17.7	0.15	K20CH	350.593	230.831	206.410	3.270	0.05682	2.64112	8 X
K07VF1W	18.5	0.15	K20CH	84.814	85.308	237.276	3.027	0.17245	2.17354	6 X
K07VL4B	16.3	0.15	K20CH	41.612	88.128	64.793	27.538	0.11839	3.14486	4 V
K07VO6C	18.9	0.15	K20CH	36.207	169.575	220.854	20.453	0.08616	1.88794	4 X
K07VU1A	18.5	0.15	K20CH	25.492	289.098	91.085	5.984	0.30574	2.19510	4 X
K07VV9R	17.6	0.15	K20CH	39.851	298.103	68.707	6.596	0.10942	2.67579	3 X
K07VW0S	17.7	0.15	K20CH	2.519	177.905	248.787	13.019	0.22628	2.64539	4 X
K07Vb0B	17.1	0.15	K20CH	277.040	279.208	237.756	13.943	0.11199	2.68167	6 V
K07Vb0R	17.6	0.15	K20CH	118.244	100.239	241.010	26.745	0.12584	2.58230	3 V
K07W54B	17.5	0.15	K20CH	340.716	246.577	193.507	1.650	0.05997	2.67398	8 X
K07W73J	17.0	0.15	K20CH	313.728	342.281	342.978	8.071	0.17182	2.86405	5 V
K07X22T	17.4	0.15	K20CH	338.996	31.675	88.683	9.261	0.40718	2.67758	4 X
K07X44H	16.8	0.15	K20CH	45.155	272.542	88.301	14.526	0.18518	2.68415	7 X
K07X63J	18.2	0.15	K20CH	44.500	291.865	69.115	4.595	0.16028	2.22465	7 X
K07X70G	17.3	0.15	K20CH	343.044	328.001	87.386	5.020	0.05993	2.75855	4 V
K07Y18J	17.9	0.15	K20CH	244.949	74.750	105.873	5.912	0.07259	2.22647	7 X
K07Y21X	16.7	0.15	K20CH	352.198	316.570	116.162	3.784	0.17246	2.69899	9 X
K07Y87C	16.3	0.15	K20CH	149.395	317.109	300.373	24.252	0.03838	2.75427	7 X
K07Y94E	17.6	0.15	K20CH	339.921	83.187	339.495	3.853	0.10316	2.74720	7 V
K07Y94F	17.5	0.15	K20CH	93.918	103.154	298.286	29.156	0.27733	2.58373	2 V
K07Y94G	18.1	0.15	K20CH	81.273	109.629	298.859	29.685	0.31471	2.57821	2 V
K08A29X	16.3	0.15	K20CH	341.868	160.618	284.186	25.029	0.11638	2.71129	7 X
K08A69Y	16.8	0.15	K20CH	42.484	294.622	85.877	6.767	0.04965	2.68198	10 X
K08B49Q	17.5	0.15	K20CH	334.111	122.165	330.121	10.437	0.14394	2.76086	5 X
K08B60Z	16.6	0.15	K20CH	297.916	309.377	332.873	11.248	0.03563	3.19861	6 V
K08C51F	18.7	0.15	K20CH	329.920	212.264	246.830	1.478	0.14447	2.22685	7 X
K08C52V	17.7	0.15	K20CH	342.037	107.851	343.650	10.606	0.23430	2.72520	6 X
K08C57Y	16.6	0.15	K20CH	335.592	128.923	311.981	24.684	0.14446	2.75748	4 X
K08CB8Z	18.5	0.15	K20CH	341.596	96.683	22.171	22.948	0.41855	2.20862	4 X
K08CD6X	17.5	0.15	K20CH	45.088	333.212	315.757	8.626	0.20973	2.38313	8 X
K08F21N	16.3	0.15	K20CH	330.675	214.923	163.233	11.628	0.07439	3.02849	9 X
K08G25N	17.0	0.15	K20CH	139.811	231.670	49.940	6.874	0.06340	2.87634	11 X
K08GB6O	18.7	0.15	K20CH	258.397	270.089	341.644	3.654	0.13103	2.22326	4 V
K08GF3J	17.0	0.15	K20CH	159.475	179.490	77.394	23.872	0.07305	2.33437	9 X
K08H03T	18.0	0.15	K20CH	43.274	309.742	47.675	45.056	0.32082	2.02066	4 X
K08H24T	17.7	0.15	K20CH	357.100	300.022	129.036	10.480	0.09344	2.31559	6 X
K08H38R	18.3	0.15	K20CH	301.559	276.157	217.118	20.003	0.09264	1.95185	5 X
K08H54H	16.5	0.15	K20CH	61.775	107.092	226.328	25.751	0.21016	3.04157	6 X
K08H61X	18.3	0.15	K20CH	85.266	285.306	7.433	1.038	0.18341	2.41257	8 V
K08J42S	16.9	0.15	K20CH	4.427	25.801	41.325	6.174	0.05180	2.85062	10 X
K08J51Q	14.0	0.15	K20CH	270.102	294.806	51.853	22.971	0.11850	5.30990	7 V
K08O14N	17.1	0.15	K20CH	1.339	38.277	311.903	12.579	0.19230	2.52770	11 X
K08O27J	16.3	0.15	K20CH	17.012	149.479	257.350	8.729	0.11932	3.07703	9 X
K08Q22R	17.4	0.15	K20CH	13.839	36.818	289.720	9.625	0.24356	2.54590	6 X
K08Q49U	16.5	0.15	K20CH	5.063	72.366	332.713	14.871	0.08453	3.18277	6 X
K08R54O	16.5	0.15	K20CH	47.516	29.195	319.901	12.109	0.13030	3.20292	7 X
K08R82Y	17.2	0.15	K20CH	14.747	52.825	331.685	14.491	0.25455	3.23638	3 X
K08RH4Z	19.0	0.15	K20CH	150.843	15.156	355.027	1.837	0.19565	2.33288	2 V
K08RH5A	16.9	0.15	K20CH	105.667	343.013	331.004	8.062	0.07319	3.16908	2 V
K08S15L	15.7	0.15	K20CH	347.423	102.578	334.126	15.086	0.10203	3.12874	10 X
K08SM6T	16.7	0.15	K20CH	343.572	335.038	116.337	1.937	0.20077	3.19843	6 X
K08ST2M	16.8	0.15	K20CH	10.592	29.123	309.321	9.478	0.13476	2.56088	12 X
K08SV6K	16.1	0.15	K20CH	311.144	279.011	213.695	20.800	0.16723	3.08544	9 X
K08SY7D	18.7	0.15	K20CH	165.498	305.434	59.806	6.554	0.15659	2.33716	2 V
K08SY7E	17.1	0.15	K20CH	32.273	208.528	208.311	16.043	0.21620	3.20930	3 V
K08T95D	15.7	0.15	K20CH	100.395	293.640	354.371	15.286	0.24335	3.15723	11 X
K08TB4D	14.1	0.15	K20CH	31.497	322.759	45.046	18.741	0.11607	5.20518	5 X
K08TG7Y	16.1	0.15	K20CH	63.273	330.226	12.495	27.273	0.14011	3.20356	5 X
K08TJ6R	17.3	0.15	K20CH	7.849	291.836	122.364	7.143	0.11909	2.52796	6 X
K08TM4F	18.3	0.15	K20CH	22.326	329.108	25.208	1.052	0.05166	2.55079	8 V
K08TM4G	16.3	0.15	K20CH	99.266	10.604	5.129	20.895	0.28076	3.08674	5 V
K08U65K	16.2	0.15	K20CH	12.371	146.275	263.039	7.687	0.14886	3.28079	6 X
K08UY7U	18.0	0.15	K20CH	14.269	188.777	214.405	3.613	0.11963	2.51546	6 X
K08Ue2P	16.7	0.15	K20CH	0.042	93.694	17.324	25.432	0.25916	3.17014	5 X

K08Uf0C	19.0	0.15	K20CH	143.497	141.425	172.683	0.972	0.19959	2.41955	3 V
K08Uf0D	17.1	0.15	K20CH	44.690	167.936	227.470	17.555	0.20234	3.20217	3 V
K08V49G	17.9	0.15	K20CH	5.147	231.018	182.680	2.132	0.06810	2.53964	7 X
K08W89V	16.2	0.15	K20CH	33.560	279.430	94.415	13.440	0.19666	2.57846	10 X
K08X41C	16.6	0.15	K20CH	47.614	356.588	293.547	9.115	0.05141	2.71404	9 X
K08X67O	16.6	0.15	K20CH	137.032	99.945	296.163	9.508	0.07565	3.01459	4 V
K08Y01C	17.6	0.15	K20CH	9.071	162.134	253.743	1.595	0.25724	2.53202	7 X
K08Y03P	17.9	0.15	K20CH	302.555	237.035	262.653	1.852	0.07869	2.52415	7 V
K08Y77J	17.2	0.15	K20CH	5.477	157.734	265.571	6.707	0.13068	2.56342	8 X
K08Y81P	17.3	0.15	K20CH	352.415	136.935	293.639	12.710	0.22739	2.55781	6 X
K08Y97G	17.2	0.15	K20CH	312.300	159.083	306.608	13.447	0.10510	2.60770	5 X
K08YB5P	17.1	0.15	K20CH	301.772	186.041	293.745	13.932	0.04770	2.59261	7 X
K08YC3A	16.9	0.15	K20CH	52.908	59.820	277.503	12.584	0.20532	2.61211	9 X
K08YC7Q	17.8	0.15	K20CH	9.020	282.056	125.386	2.625	0.20554	2.58183	6 X
K08YF0A	17.4	0.15	K20CH	26.035	89.243	289.958	10.788	0.08174	2.60261	6 X
K08YF0F	17.7	0.15	K20CH	7.681	339.640	77.198	2.725	0.20965	2.56973	6 X
K08YF1E	17.5	0.15	K20CH	352.155	129.363	292.722	9.281	0.14356	2.58473	5 X
K08YH6M	17.3	0.15	K20CH	47.891	260.576	89.020	4.536	0.17300	2.58108	8 X
K08YH8F	17.1	0.15	K20CH	78.412	282.075	55.619	4.711	0.09079	2.53894	7 X
K08YI0S	17.6	0.15	K20CH	38.350	247.182	118.195	4.580	0.16740	2.56622	5 X
K08YJ0F	17.2	0.15	K20CH	357.280	87.673	325.915	12.198	0.18592	2.57711	5 X
K08YJ1N	17.8	0.15	K20CH	36.680	257.369	112.895	5.437	0.28759	2.55096	3 V
K08YJ1O	16.6	0.15	K20CH	56.570	178.429	284.814	8.201	0.06578	3.18186	3 V
K09A53T	16.8	0.15	K20CH	20.959	8.565	19.412	5.792	0.30186	2.56791	7 X
K09A61E	18.0	0.15	K20CH	340.593	276.913	171.654	4.485	0.19881	2.56862	3 X
K09A61Y	17.8	0.15	K20CH	27.534	59.242	104.894	10.897	0.15882	3.10749	2 V
K09A61Z	16.3	0.15	K20CH	106.264	321.175	122.972	28.235	0.12411	3.09026	3 V
K09B61E	17.6	0.15	K20CH	359.352	278.962	153.480	5.796	0.26628	2.55488	6 X
K09BH9N	17.1	0.15	K20CH	36.625	291.656	72.660	3.630	0.24034	2.57911	7 X
K09BI0T	17.0	0.15	K20CH	316.030	138.290	339.378	17.048	0.12403	2.60201	8 X
K09BK0D	17.3	0.15	K20CH	326.044	37.873	73.942	9.093	0.15248	2.56887	6 X
K09BK9Z	18.1	0.15	K20CH	17.813	63.450	331.316	11.486	0.27831	2.59185	3 V
K09C04D	16.7	0.15	K20CH	25.324	29.218	347.717	12.313	0.28105	2.57481	7 X
K09C67U	16.5	0.15	K20CH	23.254	156.905	164.121	14.116	0.10228	2.79428	10 X
K09E01T	16.7	0.15	K20CH	71.259	121.359	354.033	26.019	0.18534	3.16106	3 V
K09F02R	17.5	0.15	K20CH	346.384	93.464	351.406	15.158	0.28144	2.59974	6 X
K09F93F	16.9	0.15	K20CH	318.185	100.405	5.735	21.287	0.11352	2.64741	5 V
K09H50W	17.5	0.15	K20CH	65.443	93.772	50.853	15.922	0.18407	3.19086	3 V
K09H61S	17.5	0.15	K20CH	331.066	54.544	51.641	3.880	0.14104	2.67314	10 X
K09H76F	17.6	0.15	K20CH	61.977	307.338	42.861	7.556	0.16635	2.21142	8 X
K09HB7D	16.5	0.15	K20CH	188.309	4.348	224.210	24.875	0.04475	2.74750	8 X
K09HC4D	18.6	0.15	K20CH	38.246	96.498	136.123	1.967	0.12772	2.39448	6 V
K09K42A	17.1	0.15	K20CH	30.907	293.631	96.838	13.248	0.05752	2.76808	6 X
K09M01F	18.6	0.15	K20CH	140.881	343.394	297.835	16.809	0.05065	1.89387	6 X
K09M08P	17.8	0.15	K20CH	41.586	111.180	262.921	18.272	0.09401	1.89974	7 X
K09O14O	18.2	0.15	K20CH	87.651	12.139	310.454	18.891	0.06594	1.90966	5 X
K09O20Z	16.4	0.15	K20CH	356.617	32.099	328.214	15.407	0.29718	3.13570	5 X
K09O29B	16.8	0.15	K20CH	8.386	169.007	164.748	12.442	0.10572	3.14058	4 X
K09P02M	17.9	0.15	K20CH	40.266	41.246	310.268	8.057	0.26564	2.34851	5 X
K09P04W	16.8	0.15	K20CH	355.131	38.254	318.950	11.693	0.26710	3.15657	5 X
K09P08W	16.2	0.15	K20CH	327.935	236.492	152.333	11.665	0.11414	3.16732	8 X
K09P18W	15.8	0.15	K20CH	32.981	1.342	302.605	8.218	0.07525	3.16399	10 X
K09P20N	16.7	0.15	K20CH	37.805	112.583	249.835	13.093	0.29789	3.04991	4 X
K09P22J	17.2	0.15	K20CH	94.492	315.286	356.533	24.433	0.21202	2.29127	6 X
K09Q03B	15.4	0.15	K20CH	354.876	44.965	309.636	14.952	0.20789	3.17710	9 X
K09Q16X	18.3	0.15	K20CH	38.927	195.423	172.316	2.424	0.24113	2.33908	6 X
K09Q24Q	17.4	0.15	K20CH	17.104	73.495	323.755	12.116	0.21100	2.34389	7 X
K09Q27M	15.8	0.15	K20CH	340.538	54.587	327.224	26.150	0.15218	3.13194	5 X
K09Q62V	16.5	0.15	K20CH	6.392	158.034	170.123	10.188	0.07331	3.22048	6 X
K09Q71R	18.2	0.15	K20CH	18.501	349.166	42.771	2.257	0.18743	2.35316	6 X
K09Q76N	18.1	0.15	K20CH	32.513	260.129	103.843	2.182	0.20018	2.35586	8 V
K09Q76U	18.2	0.15	K20CH	47.203	269.915	81.650	3.097	0.23254	2.35174	6 X
K09R00T	16.0	0.15	K20CH	24.405	199.487	189.161	8.856	0.23854	3.05165	8 X
K09R29F	17.2	0.15	K20CH	50.727	129.423	231.016	4.684	0.15765	3.03764	6 X
K09S08L	15.9	0.15	K20CH	14.028	349.187	330.694	14.967	0.13189	3.20098	6 X
K09S08M	17.3	0.15	K20CH	306.698	274.664	212.363	6.345	0.14538	2.31701	12 X
K09S10D	15.9	0.15	K20CH	104.079	247.859	341.674	15.886	0.11432	3.19405	10 X
K09S13O	17.4	0.15	K20CH	58.740	96.570	284.875	1.932	0.04281	2.94314	2 V
K09S26L	16.7	0.15	K20CH	346.079	251.503	191.733	11.438	0.13337	3.03329	8 X
K09S60D	16.7	0.15	K20CH	28.066	159.691	223.899	10.870	0.08657	3.06490	9 X
K09S99S	16.5	0.15	K20CH	40.248	36.857	320.568	18.919	0.26839	3.07275	6 X
K09SA6Y	16.8	0.15	K20CH	59.314	80.277	284.493	4.326	0.03156	2.97547	8 X
K09SH3T	16.5	0.15	K20CH	349.519	75.739	301.678	11.901	0.29899	3.18863	6 X
K09SK0T	16.6	0.15	K20CH	358.069	128.871	230.377	12.913	0.29796	3.18391	5 X
K09SK0U	16.2	0.15	K20CH	14.050	17.375	298.122	10.929	0.22747	3.22818	6 X
K09SK4R	18.3	0.15	K20CH	32.174	169.469	201.135	5.827	0.26818	2.36925	4 X
K09SK9J	18.6	0.15	K20CH	26.378	177.673	210.710	1.482	0.21979	2.35919	5 X
K09SN2R	15.7	0.15	K20CH	30.478	141.169	167.598	15.913	0.16608	3.19643	10 X
K09SP1K	18.7	0.15	K20CH	20.498	166.565	223.736	1.683	0.21565	2.36746	5 X
K09SZ8K	18.4	0.15	K20CH	359.923	69.129	358.469	9.022	0.48356	3.09309	2 X
K09SZ9Q	15.9	0.15	K20CH	43.573	344.262	344.934	18.871	0.20951	3.10882	7 X
K09Sa6M	16.8	0.15	K20CH	32.530	319.010	47.625	29.054	0.19144	3.08575	2 V
K09Sb1F	18.1	0.15	K20CH	357.180	95.146	336.429	2.864	0.07750	2.34948	8 X
K09Sb6T	16.8	0.15	K20CH	355.925	59.094	8.821	13.333	0.19110	3.03457	6 X
K09Sd0D	16.9	0.15	K20CH	18.708	88.607	301.472	11.596	0.10365	2.98938	6 X
K09Se2L	17.9	0.15	K20CH	36.543	322.403	60.164	9.590	0.12797	2.35188	5 X
K09Se6Z	18.5	0.15	K20CH	7.849	37.883	5.463	1.770	0.16574	2.38704	6 V
K09Se7L	17.4	0.15	K20CH	13.659	170.760	228.049	14.054	0.23823	3.07695	2 X
K09Se7T	17.2	0.15	K20CH	40.666	276.112	52.686	19.733	0.41585	3.10148	3 V
K09Se8S	17.0	0.15	K20CH	1.250	161.133	223.697	8.543	0.07350	3.17077	7 V
K09Se8U	16.7	0.15	K20CH	316.308	29.626	48.085	14.809	0.09522	3.14068	6 V
K09Se8V	18.1	0.15	K20CH	191.079	233.175	197.230	6.984	0.22998	2.63750	2 V
K09Se8W	17.6	0.15	K20CH	160.207	79.381	20.208	13.034	0.23875	2.64134	4 V

K09Se8X	17.1	0.15	K20CH	171.782	303.331	13.634	1.903	0.05415	2.86211	2 V
K09Se8Y	17.4	0.15	K20CH	196.194	10.861	312.216	5.167	0.06480	2.78858	4 V
K09Se8Z	17.4	0.15	K20CH	39.509	137.410	190.097	26.990	0.27528	3.11285	3 V
K09Se9A	17.3	0.15	K20CH	105.164	71.395	35.254	16.130	0.13138	2.71530	4 V
K09T11U	17.7	0.15	K20CH	20.017	359.182	29.508	24.122	0.16076	2.37402	3 X
K09T50R	17.5	0.15	K20CH	57.982	336.828	355.378	13.005	0.24063	2.36967	6 X
K09T52Y	16.2	0.15	K20CH	273.902	221.989	274.512	15.223	0.03500	3.05230	7 X
K09U10C	18.3	0.15	K20CH	29.101	299.370	88.461	2.516	0.17710	2.35662	5 X
K09U13Q	18.0	0.15	K20CH	74.135	338.933	347.430	2.086	0.23572	2.36522	8 X
K09U13Z	16.3	0.15	K20CH	20.082	0.993	26.661	19.823	0.22363	3.06478	7 X
K09U14G	18.7	0.15	K20CH	2.744	154.115	261.897	1.694	0.18698	2.37539	7 X
K09U26L	15.8	0.15	K20CH	11.569	4.711	49.872	11.728	0.04892	3.07970	9 X
K09U43M	16.7	0.15	K20CH	0.343	227.502	198.722	2.213	0.09429	3.06080	12 X
K09U58M	16.4	0.15	K20CH	4.659	178.437	228.373	14.353	0.10106	3.11023	7 X
K09UA7V	16.1	0.15	K20CH	315.193	56.713	53.912	8.955	0.14075	3.12351	11 X
K09UC3T	16.7	0.15	K20CH	35.717	301.822	54.600	17.852	0.24636	3.11446	3 X
K09UC7A	15.4	0.15	K20CH	65.428	108.367	227.483	25.366	0.19244	3.08424	7 X
K09UC9T	16.2	0.15	K20CH	19.792	22.990	8.909	16.825	0.20064	3.10223	6 X
K09UG2N	17.9	0.15	K20CH	21.412	267.226	124.600	5.436	0.18485	2.37625	6 X
K09UG6A	16.1	0.15	K20CH	314.924	248.112	248.527	24.904	0.23265	3.09708	5 X
K09UG7U	17.2	0.15	K20CH	1.063	359.093	61.323	25.326	0.15392	2.36304	6 X
K09UH9T	17.8	0.15	K20CH	307.923	272.267	213.620	5.044	0.15060	2.37941	9 X
K09UI1A	18.6	0.15	K20CH	41.472	320.234	41.802	7.354	0.18846	2.39035	5 V
K09V16S	17.0	0.15	K20CH	12.906	358.553	55.553	10.663	0.18412	3.11526	4 X
K09V28L	17.8	0.15	K20CH	45.146	34.894	334.588	1.949	0.19863	2.36288	7 X
K09V34O	19.1	0.15	K20CH	41.783	13.555	346.198	2.014	0.21957	2.37897	2 V
K09V43Y	17.0	0.15	K20CH	347.237	25.112	61.532	15.045	0.33395	3.11092	4 X
K09V48C	18.2	0.15	K20CH	348.047	331.375	110.216	3.584	0.18798	2.38300	7 X
K09V55S	18.4	0.15	K20CH	285.511	272.341	246.358	18.841	0.07858	1.95645	6 X
K09V60Y	18.4	0.15	K20CH	22.029	6.329	22.390	1.570	0.18646	2.37552	5 X
K09V65J	18.1	0.15	K20CH	9.221	130.561	286.233	3.446	0.17297	2.37780	5 X
K09V84H	16.9	0.15	K20CH	28.032	49.561	342.550	2.717	0.20713	3.10908	7 X
K09VA5N	16.2	0.15	K20CH	39.898	279.324	77.514	26.224	0.27809	3.09248	5 X
K09VA7Y	18.1	0.15	K20CH	253.700	309.604	225.233	19.616	0.08271	1.96098	9 X
K09VB5B	17.0	0.15	K20CH	18.710	95.313	279.386	19.458	0.31970	3.12288	4 X
K09VC8B	17.9	0.15	K20CH	164.933	216.450	251.269	7.677	0.23243	2.65526	3 V
K09W01H	16.3	0.15	K20CH	316.582	70.331	53.690	26.269	0.15481	3.06273	7 X
K09W19K	16.0	0.15	K20CH	137.757	29.044	255.131	14.205	0.05181	3.13090	9 X
K09W38Q	16.0	0.15	K20CH	312.126	59.043	58.409	10.124	0.05895	3.13469	9 X
K09W78J	18.6	0.15	K20CH	40.278	85.483	281.921	3.619	0.25024	2.38410	5 X
K09W79V	18.5	0.15	K20CH	15.762	285.380	112.370	3.131	0.20671	2.39730	5 X
K09W90G	16.1	0.15	K20CH	77.814	289.053	51.095	10.480	0.06952	3.15872	9 X
K09WA0R	16.9	0.15	K20CH	335.770	55.189	55.367	13.457	0.24823	3.09249	4 X
K09WB0V	18.2	0.15	K20CH	52.863	204.087	141.985	3.702	0.19171	2.38760	6 X
K09WF1F	14.1	0.15	K20CH	339.072	234.603	164.833	6.540	0.04699	5.35905	13 V
K09WK4N	13.6	0.15	K20CH	349.210	158.724	244.979	40.321	0.06956	5.21714	5 X
K09WL0L	17.0	0.15	K20CH	37.195	114.755	237.287	18.115	0.23435	3.16360	3 V
K09WL4C	15.7	0.15	K20CH	313.232	203.660	272.649	15.895	0.18642	3.14071	9 X
K09WL6O	15.5	0.15	K20CH	144.602	207.600	68.607	12.217	0.06163	3.11634	9 X
K09WM3A	16.7	0.15	K20CH	340.436	30.307	63.631	18.694	0.18389	3.10084	6 X
K09WM6P	18.7	0.15	K20CH	37.887	238.932	134.580	1.829	0.19701	2.37372	3 X
K09WM8H	17.1	0.15	K20CH	357.708	354.012	74.904	6.869	0.12664	3.09450	6 X
K09WN0R	16.3	0.15	K20CH	126.300	30.489	263.193	7.586	0.06885	3.15802	11 X
K09WO2T	16.8	0.15	K20CH	336.697	53.856	44.142	9.832	0.13873	3.10531	6 X
K09WO4R	16.4	0.15	K20CH	3.080	189.108	232.629	8.624	0.07095	3.16933	8 X
K09WO5D	15.7	0.15	K20CH	12.630	300.975	103.905	17.286	0.11767	3.13887	8 X
K09WO5M	17.9	0.15	K20CH	351.030	46.817	40.084	2.050	0.15243	2.38367	10 X
K09WO6T	16.5	0.15	K20CH	3.146	141.735	265.653	15.624	0.20855	3.13377	4 X
K09WP4G	16.8	0.15	K20CH	348.425	154.968	289.332	3.937	0.13972	3.13823	6 X
K09WP5L	15.1	0.15	K20CH	56.093	46.821	234.047	8.890	0.02014	3.47659	12 X
K09WP6O	15.7	0.15	K20CH	336.473	197.396	251.513	10.596	0.01678	3.15317	11 X
K09X02M	15.8	0.15	K20CH	24.640	274.105	111.289	13.539	0.16972	3.15335	9 X
K10A14E	17.3	0.15	K20CH	57.340	36.492	297.264	13.845	0.19286	2.48469	7 X
K10A18S	17.0	0.15	K20CH	293.986	163.614	269.851	8.674	0.22580	2.52678	10 X
K10A57V	16.9	0.15	K20CH	341.142	126.335	318.961	9.744	0.19863	3.20113	6 X
K10B12A	16.1	0.15	K20CH	56.120	358.704	270.579	14.105	0.19363	2.78992	11 X
K10BA5T	16.0	0.15	K20CH	11.259	222.613	177.945	5.599	0.14785	3.10696	11 X
K10BC2O	15.8	0.15	K20CH	306.546	57.188	75.510	27.773	0.20162	3.10810	9 X
K10BC5S	16.5	0.15	K20CH	4.704	125.722	284.775	26.744	0.23398	3.10342	5 X
K10BC7M	13.1	0.15	K20CH	322.012	115.077	311.659	24.511	0.11416	5.22885	8 X
K10C16U	16.0	0.15	K20CH	312.924	236.659	228.829	25.838	0.06269	3.15623	6 X
K10CE6H	17.3	0.15	K20CH	349.617	145.356	284.690	23.545	0.19386	2.40433	5 X
K10CE6X	16.9	0.15	K20CH	19.439	53.594	339.219	14.239	0.07333	2.52672	6 X
K10CK9O	16.9	0.15	K20CH	8.361	41.785	359.804	15.029	0.18961	3.12633	5 X
K10CLOX	17.4	0.15	K20CH	13.365	0.817	51.127	6.889	0.23137	3.08407	4 X
K10CM3H	16.9	0.15	K20CH	343.200	216.516	235.874	27.553	0.12538	2.53673	6 X
K10CM9A	16.3	0.15	K20CH	339.800	2.010	83.235	15.947	0.08895	3.12041	6 X
K10CR1A	16.6	0.15	K20CH	89.454	13.545	290.322	15.159	0.13550	2.52346	7 X
K10D25X	16.3	0.15	K20CH	312.026	258.945	236.392	25.321	0.18364	3.13449	5 X
K10D30C	16.6	0.15	K20CH	18.694	109.447	271.171	17.615	0.15005	3.17279	3 X
K10D70C	16.9	0.15	K20CH	334.698	249.134	227.617	23.378	0.37733	3.14074	4 X
K10D81Q	16.2	0.15	K20CH	316.354	262.597	203.636	6.487	0.12288	3.16743	10 X
K10D82H	16.4	0.15	K20CH	27.638	352.447	40.832	8.541	0.11622	3.12803	8 X
K10D82P	15.3	0.15	K20CH	252.016	266.073	267.374	19.842	0.13309	3.19133	10 X
K10D95M	16.8	0.15	K20CH	321.297	305.937	171.175	10.559	0.20333	3.13798	8 X
K10DA3K	16.2	0.15	K20CH	311.787	172.422	286.932	13.481	0.05243	3.19544	7 X
K10E17D	16.4	0.15	K20CH	357.069	104.307	323.236	20.387	0.25556	3.14142	5 X
K10E25M	16.1	0.15	K20CH	319.908	141.360	327.646	25.662	0.15341	3.18085	7 X
K10E32B	16.3	0.15	K20CH	354.619	188.651	162.607	13.971	0.08642	2.65694	10 X
K10E79A	17.3	0.15	K20CH	13.057	279.592	125.434	3.061	0.09794	2.51460	9 X
K10EB3V	15.9	0.15	K20CH	340.972	115.123	24.839	27.283	0.22431	3.18199	5 X
K10EE4X	17.5	0.15	K20CH	163.835	277.894	319.545	10.390	0.20188	2.66311	6 V
K10F44Z	16.4	0.15	K20CH	13.027	267.951	137.258	10.586	0.22453	3.16560	7 X

K10FD0A	16.7	0.15	K20CH	28.321	229.135	326.651	22.345	0.15856	3.09433	7	V
K10FD0N	16.3	0.15	K20CH	356.002	18.726	340.815	8.369	0.37349	2.91148	6	X
K10G88Q	16.9	0.15	K20CH	4.193	186.096	233.042	9.916	0.20574	3.20659	5	X
K10GK8H	16.2	0.15	K20CH	342.372	121.019	81.364	25.900	0.09274	3.15390	6	V
K10J69O	15.0	0.15	K20CH	25.052	104.345	248.103	31.606	0.26706	2.88756	6	X
K10JB8B	17.5	0.15	K20CH	35.401	81.331	225.251	8.610	0.15141	2.79471	4	V
K10JF4U	16.9	0.15	K20CH	46.022	73.033	94.148	18.596	0.13175	3.06171	4	V
K10L22Y	16.7	0.15	K20CH	113.056	305.391	332.567	16.752	0.17984	2.61458	8	X
K10L23M	17.1	0.15	K20CH	347.118	23.506	52.992	15.532	0.15587	2.48278	6	X
K10LA9X	16.9	0.15	K20CH	263.468	98.373	71.960	9.600	0.05515	2.58408	9	X
K10LE7U	17.8	0.15	K20CH	348.874	339.316	100.011	9.711	0.18837	2.47460	4	X
K10M20N	17.4	0.15	K20CH	39.863	343.704	5.401	17.047	0.23914	2.88469	5	X
K10M85V	16.4	0.15	K20CH	263.583	154.003	280.237	13.277	0.03076	3.05397	7	X
K10N67T	17.2	0.15	K20CH	19.234	83.829	300.981	13.224	0.16678	2.90306	5	X
K10N72B	16.3	0.15	K20CH	19.684	298.456	99.290	20.488	0.16795	2.87615	8	X
K10O36H	15.6	0.15	K20CH	358.285	12.430	334.966	23.535	0.23981	3.03926	9	X
K10O84H	16.2	0.15	K20CH	5.962	14.782	316.178	16.195	0.10660	3.08575	7	X
K10P01D	17.2	0.15	K20CH	43.731	135.327	203.774	1.764	0.35058	2.85009	5	X
K10P80U	15.8	0.15	K20CH	32.628	14.259	279.871	10.345	0.16741	3.03472	10	X
K10P90W	16.9	0.15	K20CH	342.882	128.651	298.528	11.712	0.06429	2.79030	7	X
K10R15B	18.0	0.15	K20CH	359.794	41.761	316.248	6.584	0.22105	2.25847	4	X
K10R45D	16.8	0.15	K20CH	26.621	288.167	109.814	3.516	0.06624	2.80039	11	X
K10R80N	20.1	0.15	K20CH	0.455	46.086	349.251	8.722	0.53829	2.25160	3	X
K10R88O	16.4	0.15	K20CH	15.914	39.043	278.706	8.111	0.11469	2.98346	8	X
K10R91E	17.3	0.15	K20CH	71.153	71.033	276.982	5.430	0.05684	2.80250	4	X
K10RI0L	16.5	0.15	K20CH	22.103	339.030	55.786	6.063	0.18619	2.87784	9	X
K10RL1P	17.1	0.15	K20CH	116.052	53.884	284.284	7.805	0.15826	2.71966	5	V
K10S46G	16.6	0.15	K20CH	274.949	270.338	253.054	7.764	0.09860	2.78376	9	X
K10S53U	17.2	0.15	K20CH	42.580	19.596	357.804	4.083	0.08013	2.80889	6	X
K10T08W	17.1	0.15	K20CH	348.301	60.924	5.036	16.859	0.11463	2.86944	4	X
K10T56U	17.1	0.15	K20CH	134.358	302.736	329.993	5.797	0.01098	2.88115	7	V
K10TG7S	18.4	0.15	K20CH	24.478	214.930	166.953	2.887	0.22178	2.22893	8	X
K10TJ3G	17.8	0.15	K20CH	27.765	6.628	31.518	6.173	0.03181	2.20241	7	X
K10TL1Z	17.4	0.15	K20CH	355.901	209.988	224.165	6.939	0.11547	2.84275	5	X
K10TL4H	18.0	0.15	K20CH	90.100	350.104	264.305	6.110	0.08739	2.31638	7	X
K10TMOJ	17.5	0.15	K20CH	4.896	189.430	207.156	9.193	0.09846	2.92727	6	V
K10U01O	19.0	0.15	K20CH	50.962	27.154	319.911	2.729	0.24231	2.21958	2	V
K10U50Y	15.8	0.15	K20CH	3.627	113.036	224.006	15.280	0.17073	3.08184	9	X
K10U70R	18.5	0.15	K20CH	35.291	185.468	182.065	2.229	0.23683	2.23526	7	X
K10U79X	17.5	0.15	K20CH	28.902	109.035	269.173	7.355	0.26213	2.91667	3	X
K10UC5B	17.0	0.15	K20CH	93.302	355.664	301.593	1.048	0.08421	2.94747	7	V
K10V26Q	18.8	0.15	K20CH	31.689	153.762	226.672	2.329	0.22970	2.23644	4	X
K10VCOV	19.1	0.15	K20CH	26.057	236.470	155.360	1.967	0.20468	2.23493	5	X
K10VC1M	18.0	0.15	K20CH	352.979	344.605	95.165	5.404	0.10197	2.23374	10	X
K10VK9T	17.0	0.15	K20CH	45.949	347.243	349.267	10.059	0.15033	2.93716	3	V
K10VO9N	16.2	0.15	K20CH	107.209	301.933	6.941	11.901	0.03857	2.92143	8	X
K10VP1H	18.9	0.15	K20CH	336.726	46.847	51.680	7.709	0.09724	2.21549	5	X
K10VP6E	18.4	0.15	K20CH	333.885	179.573	266.837	19.808	0.07952	1.86981	4	X
K10VP8Y	17.4	0.15	K20CH	344.838	35.054	35.781	7.506	0.16059	2.97121	5	V
K10VP9V	17.3	0.15	K20CH	27.276	256.039	94.066	2.307	0.16830	3.01434	5	V
K10VP9X	17.4	0.15	K20CH	345.110	309.698	86.690	11.096	0.05038	3.01784	4	V
K10VP9Y	17.1	0.15	K20CH	300.775	262.280	111.194	2.150	0.17620	3.20679	2	V
K10VP9Z	16.9	0.15	K20CH	87.661	15.143	66.197	14.135	0.16973	2.67075	4	V
K10VQ0A	19.2	0.15	K20CH	8.216	238.660	149.317	3.468	0.21257	2.25515	2	V
K10W03F	21.0	0.15	K20CH	220.266	163.684	59.433	10.848	0.26756	1.07577	4	X
K10X34P	14.3	0.15	K20CH	347.238	308.879	84.402	8.697	0.07402	5.12311	8	V
K10X88F	16.1	0.15	K20CH	350.579	328.737	104.418	12.000	0.03421	2.97156	10	X
K10X94U	16.4	0.15	K20CH	171.666	343.443	268.688	8.525	0.04556	2.96162	8	X
K10Y03M	16.8	0.15	K20CH	295.307	204.132	299.309	24.163	0.16147	2.27457	7	X
K11A40R	17.9	0.15	K20CH	110.567	127.454	308.266	12.344	0.10445	2.71735	6	V
K11A51L	16.1	0.15	K20CH	79.043	205.530	129.190	9.561	0.07777	3.06636	10	X
K11A83K	16.5	0.15	K20CH	290.362	189.984	306.193	17.238	0.16901	3.07940	5	X
K11A83S	17.8	0.15	K20CH	49.983	9.131	353.887	7.043	0.12243	2.29684	8	X
K11A99Y	17.7	0.15	K20CH	162.699	121.324	274.170	0.907	0.08632	2.70580	7	V
K11B04T	18.2	0.15	K20CH	351.081	161.254	282.547	3.359	0.07951	2.27319	6	X
K11B13Y	15.5	0.15	K20CH	281.002	172.680	339.208	15.987	0.17539	3.10169	10	X
K11B69O	16.7	0.15	K20CH	0.968	83.039	323.923	10.070	0.13771	3.07979	8	X
K11B85D	15.9	0.15	K20CH	302.606	53.447	84.451	16.614	0.14770	3.06748	7	X
K11B95K	17.4	0.15	K20CH	318.608	36.959	86.850	4.694	0.17596	3.01556	6	X
K11BA0J	16.5	0.15	K20CH	320.906	155.195	303.306	16.098	0.17274	3.11656	8	X
K11BE9Q	18.7	0.15	K20CH	25.295	315.836	68.195	5.154	0.22697	2.28946	4	X
K11BG3O	16.6	0.15	K20CH	301.735	178.354	307.384	11.650	0.09338	3.05654	6	X
K11BH5M	16.9	0.15	K20CH	21.489	62.933	329.544	8.176	0.13517	3.02677	6	X
K11BH8L	16.5	0.15	K20CH	321.698	160.249	297.109	10.757	0.10311	3.12958	3	X
K11BJ1L	16.3	0.15	K20CH	39.753	37.410	319.093	18.991	0.22576	3.15614	6	X
K11C29N	15.9	0.15	K20CH	53.284	36.127	319.770	10.653	0.05595	3.11790	12	X
K11C34K	16.2	0.15	K20CH	308.695	146.812	317.826	17.378	0.05311	3.13241	6	X
K11C41L	18.8	0.15	K20CH	338.910	73.720	31.757	2.437	0.21762	2.26838	5	X
K11C48L	16.6	0.15	K20CH	310.341	79.524	54.242	7.987	0.18234	3.03343	10	X
K11C69H	16.9	0.15	K20CH	147.446	324.402	285.715	12.772	0.19479	2.38102	9	X
K11C70A	18.1	0.15	K20CH	254.488	204.902	334.979	17.519	0.07904	1.88842	4	X
K11C70G	15.3	0.15	K20CH	280.036	156.654	352.158	17.134	0.16138	3.10607	9	X
K11C87N	18.5	0.15	K20CH	128.930	332.444	311.765	19.841	0.05333	1.91222	5	X
K11CD4L	18.4	0.15	K20CH	11.981	51.780	335.355	4.421	0.19934	2.33707	5	V
K11CD4R	18.3	0.15	K20CH	125.697	219.550	278.515	1.574	0.08310	2.61961	4	V
K11CD4S	17.6	0.15	K20CH	4.889	143.615	49.661	4.108	0.03041	2.75386	2	V
K11D37E	17.5	0.15	K20CH	0.695	22.663	336.037	9.130	0.17021	2.44472	7	X
K11D50C	18.2	0.15	K20CH	111.152	324.973	338.347	17.741	0.07309	1.91442	5	X
K11D58E	17.9	0.15	K20CH	67.474	311.124	171.650	3.136	0.15249	2.79806	4	V
K11E65K	18.1	0.15	K20CH	326.083	86.687	26.085	5.099	0.13916	2.30711	7	X
K11E97A	16.5	0.15	K20CH	24.301	241.053	152.343	11.713	0.15690	3.15638	7	X
K11F08T	16.5	0.15	K20CH	314.646	58.624	63.342	13.249	0.12300	3.14054	9	X
K11G12O	16.7	0.15	K20CH	323.176	96.453	13.073	17.354	0.20327	3.17355	5	X

K11G79C	16.0	0.15	K20CH	322.614	281.652	200.388	15.180	0.21588	3.14152	11	X
K11GA3B	17.6	0.15	K20CH	82.803	151.889	35.507	16.225	0.11120	2.71389	6	V
K11GA3C	17.8	0.15	K20CH	7.919	295.514	330.723	4.225	0.11828	2.71546	4	V
K11J03D	16.3	0.15	K20CH	275.753	167.329	345.637	17.079	0.16738	3.19038	5	X
K11L00U	16.7	0.15	K20CH	66.793	109.999	211.814	6.816	0.20833	2.56400	9	X
K11L10R	18.4	0.15	K20CH	276.225	284.174	236.528	20.303	0.06076	1.94129	6	X
K11L34Y	17.0	0.15	K20CH	25.496	94.942	264.910	23.140	0.27286	2.72219	4	X
K11L35H	16.3	0.15	K20CH	40.531	352.466	111.106	21.398	0.09824	3.11786	4	V
K11M15J	17.7	0.15	K20CH	29.829	74.469	305.378	11.094	0.29459	2.64797	3	V
K11O24E	16.6	0.15	K20CH	105.435	197.681	103.350	17.696	0.16272	2.56770	8	X
K11O43K	17.6	0.15	K20CH	22.719	63.094	310.633	12.372	0.33466	2.66162	4	X
K11O56X	16.3	0.15	K20CH	275.832	163.169	333.978	17.401	0.04573	2.57858	11	X
K11O72B	17.4	0.15	K20CH	56.263	340.125	338.887	13.598	0.31448	2.65378	4	X
K11P16M	17.5	0.15	K20CH	52.180	211.630	125.255	8.600	0.31109	2.65820	6	X
K11Q09K	17.8	0.15	K20CH	355.328	104.563	271.871	3.090	0.36925	2.76246	3	X
K11Q27W	15.8	0.15	K20CH	116.026	344.819	283.311	12.115	0.23434	2.61940	15	X
K11Q39A	17.5	0.15	K20CH	23.139	138.721	256.765	10.521	0.18896	2.64302	5	X
K11Q45H	18.2	0.15	K20CH	41.108	196.478	161.984	2.011	0.18685	2.64671	5	V
K11Q48N	16.6	0.15	K20CH	40.359	2.954	355.322	14.420	0.14635	2.64752	7	X
K11Q83Y	16.7	0.15	K20CH	357.667	73.287	339.933	14.209	0.07628	2.62287	8	X
K11Q84K	17.1	0.15	K20CH	63.049	348.476	342.713	12.748	0.17428	2.64974	5	X
K11Q87O	18.2	0.15	K20CH	19.401	62.300	315.551	12.023	0.27994	2.69657	3	X
K11QB2Q	17.6	0.15	K20CH	44.155	69.335	282.316	12.256	0.18615	2.66864	6	X
K11S01V	17.9	0.15	K20CH	81.562	15.834	311.677	2.033	0.15255	2.62608	9	X
K11S14K	18.0	0.15	K20CH	12.995	64.399	328.962	12.195	0.19779	2.67452	2	X
K11S20L	17.5	0.15	K20CH	10.874	110.092	292.365	11.292	0.27364	2.69607	7	X
K11S24R	16.8	0.15	K20CH	15.506	135.258	260.675	12.180	0.26123	2.68747	8	X
K11S28A	17.0	0.15	K20CH	19.534	91.719	294.284	11.360	0.28089	2.68389	7	X
K11S42J	17.9	0.15	K20CH	21.458	211.242	171.531	3.611	0.24116	2.68617	6	V
K11S66U	17.0	0.15	K20CH	5.642	281.418	138.999	11.950	0.10831	2.68599	9	X
K11S70A	17.1	0.15	K20CH	244.631	124.268	68.556	12.303	0.11504	2.64163	8	X
K11S94H	17.9	0.15	K20CH	24.276	140.738	233.176	12.563	0.27492	2.68782	2	X
K11SA1R	17.9	0.15	K20CH	282.178	20.142	130.555	1.794	0.06734	2.61373	11	X
K11SA3G	16.2	0.15	K20CH	10.662	195.459	219.930	13.328	0.23494	2.68901	10	X
K11SB3U	16.7	0.15	K20CH	29.620	315.913	61.037	9.687	0.29765	2.67665	10	X
K11SG2V	18.0	0.15	K20CH	341.832	228.742	217.455	14.990	0.22666	2.69689	2	V
K11SH3T	17.4	0.15	K20CH	21.076	15.815	11.534	14.451	0.26492	2.69447	5	X
K11SH8F	17.3	0.15	K20CH	41.646	143.821	212.120	13.179	0.31263	2.69921	4	X
K11SK7M	17.2	0.15	K20CH	13.568	52.531	339.716	12.660	0.18082	2.66803	7	X
K11SK8F	17.0	0.15	K20CH	323.736	115.034	343.448	12.504	0.12600	2.65786	8	X
K11SN3Z	16.8	0.15	K20CH	335.888	232.827	218.596	9.992	0.18140	2.69915	7	X
K11SR1A	18.2	0.15	K20CH	10.378	26.212	20.814	13.850	0.23813	2.68663	2	X
K11SS1U	17.7	0.15	K20CH	337.823	244.263	215.410	7.347	0.14926	2.66949	8	X
K11ST4R	18.4	0.15	K20CH	6.820	20.027	34.957	4.030	0.22783	2.67251	3	V
K11SU4P	17.0	0.15	K20CH	349.983	106.809	320.151	12.735	0.11680	2.67158	7	X
K11SV2R	18.0	0.15	K20CH	2.044	84.997	271.641	6.997	0.21876	2.77321	3	X
K11SV2S	17.6	0.15	K20CH	356.409	107.419	258.340	6.267	0.24019	2.81085	4	X
K11SW3A	17.5	0.15	K20CH	46.869	292.376	58.530	14.880	0.20992	2.69463	3	X
K11SW3J	18.0	0.15	K20CH	358.557	46.121	18.688	13.106	0.25329	2.69000	3	X
K11SW3Q	17.2	0.15	K20CH	350.359	207.843	198.441	8.670	0.11788	2.75803	2	V
K11SW3R	17.8	0.15	K20CH	37.694	206.850	130.630	3.324	0.20957	2.75596	3	V
K11SW3S	17.8	0.15	K20CH	348.628	226.495	211.089	12.951	0.22959	2.66916	2	V
K11T14E	16.8	0.15	K20CH	20.453	238.569	156.643	8.928	0.19729	2.68820	8	X
K11T15P	16.7	0.15	K20CH	16.100	334.672	62.636	12.387	0.18748	2.68867	7	X
K11U18N	18.6	0.15	K20CH	34.053	9.204	349.628	12.623	0.24522	2.67184	2	X
K11U32J	17.6	0.15	K20CH	52.081	348.134	354.110	12.781	0.20787	2.70225	5	X
K11U40A	17.8	0.15	K20CH	329.902	147.081	316.444	1.314	0.16528	2.67924	9	V
K11U55V	17.3	0.15	K20CH	8.854	173.571	227.551	9.136	0.21091	2.75101	5	X
K11U74D	16.8	0.15	K20CH	26.278	339.694	50.408	9.099	0.22145	2.69641	11	X
K11UA7Y	16.6	0.15	K20CH	357.118	78.328	344.398	24.104	0.20718	2.71465	6	X
K11UH1Z	17.7	0.15	K20CH	24.731	142.766	237.662	8.726	0.22898	2.70078	5	V
K11UJ0K	16.1	0.15	K20CH	50.520	273.308	84.275	15.259	0.13194	2.69652	10	X
K11UK5M	16.4	0.15	K20CH	40.267	102.290	283.157	5.247	0.03319	2.69621	12	X
K11UL3P	17.9	0.15	K20CH	31.040	114.415	267.249	4.734	0.14573	2.69324	3	V
K11UP0F	16.9	0.15	K20CH	47.412	307.548	49.239	5.308	0.12358	2.75346	9	X
K11UP2F	17.9	0.15	K20CH	37.271	293.881	68.801	9.809	0.28763	2.73678	4	X
K11UT8M	17.1	0.15	K20CH	313.911	235.764	249.226	10.837	0.12617	2.70724	8	X
K11UU0W	18.2	0.15	K20CH	11.624	178.193	222.754	9.319	0.17727	2.71763	3	V
K11UV0G	17.4	0.15	K20CH	355.071	332.882	51.148	0.877	0.08417	2.79110	10	V
K11UX9E	17.8	0.15	K20CH	8.418	209.912	205.909	14.562	0.16816	2.69215	4	X
K11Ua6R	17.2	0.15	K20CH	202.889	105.475	120.338	3.574	0.01925	2.66558	11	X
K11Ub1K	17.4	0.15	K20CH	352.972	14.036	49.148	15.476	0.19197	2.71285	3	X
K11Ud1L	17.4	0.15	K20CH	38.730	257.961	102.057	12.369	0.24330	2.72830	5	X
K11Ud7Z	17.1	0.15	K20CH	6.933	51.161	356.222	11.717	0.25845	2.72665	6	X
K11Ug8Q	18.1	0.15	K20CH	330.391	233.778	242.820	8.863	0.23113	2.70645	4	X
K11Uh2D	17.8	0.15	K20CH	326.300	203.130	269.548	7.109	0.16649	2.73227	3	X
K11Uk1K	17.6	0.15	K20CH	359.622	210.949	201.093	4.636	0.12503	2.72657	5	V
K11Uk1O	18.3	0.15	K20CH	28.837	323.112	41.254	5.306	0.23899	2.76173	2	V
K11Uk1Q	18.0	0.15	K20CH	13.397	358.379	36.904	10.797	0.21765	2.73942	2	V
K11Uk2T	17.7	0.15	K20CH	24.029	320.420	62.585	5.842	0.12369	2.71249	5	V
K11V05A	17.6	0.15	K20CH	73.909	122.265	218.747	2.745	0.11349	2.66154	6	X
K11V06T	16.1	0.15	K20CH	17.342	340.053	349.686	10.065	0.08714	2.87336	14	X
K11W05F	17.0	0.15	K20CH	329.049	111.346	335.098	11.435	0.10318	2.74343	7	X
K11W16D	17.4	0.15	K20CH	22.591	265.129	127.603	2.824	0.24756	2.73844	6	X
K11W17P	17.7	0.15	K20CH	23.283	320.250	52.952	10.430	0.28051	2.75158	4	X
K11W55K	18.1	0.15	K20CH	356.219	6.357	68.628	4.474	0.21506	2.70148	5	X
K11W58C	17.5	0.15	K20CH	15.679	302.663	101.618	3.967	0.18372	2.73203	5	X
K11W71R	17.8	0.15	K20CH	12.179	353.621	58.057	5.522	0.19754	2.72580	4	X
K11WA0J	17.0	0.15	K20CH	13.911	204.459	200.019	13.676	0.26041	2.72662	5	X
K11WA9A	16.7	0.15	K20CH	349.532	21.922	64.473	13.648	0.08437	2.70464	9	X
K11WB8J	17.1	0.15	K20CH	33.343	21.725	7.212	4.440	0.06794	2.71255	11	X
K11WC4A	16.4	0.15	K20CH	359.877	340.043	4.929	1.686	0.10296	2.94260	13	X
K11Wd0T	17.5	0.15	K20CH	356.551	234.354	197.865	4.444	0.09704	2.71540	8	X

K11WD2B	16.7	0.15	K20CH	343.696	43.627	46.514	12.984	0.12949	2.73741	7 X
K11WG00	17.2	0.15	K20CH	24.334	314.171	70.585	5.894	0.16266	2.76888	9 X
K11WH5L	17.8	0.15	K20CH	139.587	157.019	255.099	20.717	0.08541	1.93813	3 V
K11WH6E	17.5	0.15	K20CH	14.266	11.534	39.105	4.176	0.24515	2.74486	4 X
K11WH7Q	17.1	0.15	K20CH	2.351	123.456	290.878	7.921	0.15028	2.78613	5 V
K11Y13D	17.2	0.15	K20CH	26.001	135.821	250.585	8.763	0.29812	2.73693	5 X
K11Y80X	17.4	0.15	K20CH	13.725	322.336	78.772	6.024	0.16425	2.80485	7 X
K11Y89G	17.7	0.15	K20CH	9.100	205.031	211.502	1.518	0.08130	2.72431	6 X
K11Y93J	17.2	0.15	K20CH	107.973	70.802	293.744	13.032	0.13908	2.66173	3 V
K11Y93K	19.1	0.15	K20CH	173.293	105.664	332.559	17.474	0.13386	1.89897	3 V
K12A04T	16.6	0.15	K20CH	314.143	174.063	292.898	13.428	0.10687	2.84685	7 X
K12B32H	16.3	0.15	K20CH	310.952	76.164	317.642	9.114	0.08145	3.06647	8 X
K12B89H	16.0	0.15	K20CH	118.686	180.443	113.396	11.081	0.11648	2.93955	13 X
K12C58V	16.2	0.15	K20CH	99.786	316.548	325.346	14.238	0.22697	3.14193	8 X
K12C67V	16.9	0.15	K20CH	27.781	50.545	314.927	16.814	0.22448	2.93772	4 X
K12D03L	15.8	0.15	K20CH	125.486	307.477	336.096	14.301	0.04719	3.00297	10 X
K12D54U	15.8	0.15	K20CH	246.066	114.172	61.613	10.811	0.08259	2.99862	9 X
K12F56B	16.3	0.15	K20CH	23.970	356.531	43.499	11.028	0.09743	2.99645	8 X
K12FA4B	17.5	0.15	K20CH	143.919	347.294	6.123	5.919	0.01274	2.81026	6 V
K12FA4C	18.5	0.15	K20CH	204.347	109.258	55.572	6.914	0.06875	2.29423	3 V
K12G42Z	16.5	0.15	K20CH	334.152	189.516	261.414	9.027	0.01050	3.09332	6 X
K12H14T	16.1	0.15	K20CH	250.105	130.910	59.818	14.211	0.08046	2.98412	9 X
K12H30R	16.1	0.15	K20CH	99.070	254.374	63.910	13.126	0.06795	3.18379	7 X
K12HA3K	18.2	0.15	K20CH	86.538	115.373	60.603	11.639	0.09753	2.52859	5 V
K12J13A	16.0	0.15	K20CH	243.744	128.524	62.586	13.108	0.12327	3.07354	10 X
K12J60P	16.0	0.15	K20CH	26.409	306.693	78.447	11.505	0.09154	3.15517	8 X
K12K13T	18.1	0.15	K20CH	253.655	82.879	98.942	3.972	0.08847	2.23335	10 X
K12K28O	16.0	0.15	K20CH	10.216	334.286	81.895	10.400	0.04606	3.12844	9 X
K12K34C	16.1	0.15	K20CH	356.455	352.287	79.226	12.535	0.08839	3.16101	8 X
K12L12E	17.4	0.15	K20CH	90.535	16.005	289.344	13.703	0.14212	2.39950	6 X
K12P44B	17.6	0.15	K20CH	64.992	236.849	93.215	3.596	0.20598	2.45526	8 X
K12P45U	7.1	0.15	K20CH	355.713	173.508	154.862	23.570	0.29409	44.12258	8 X
K12P56H	17.7	0.15	K20CH	40.349	246.484	102.951	4.145	0.19583	2.47640	7 V
K12Q16U	17.8	0.15	K20CH	71.669	302.692	325.236	24.186	0.09401	1.95191	3 X
K12Q36T	15.2	0.15	K20CH	97.097	103.134	216.229	9.176	0.08036	3.55952	9 X
K12Q57P	17.3	0.15	K20CH	20.820	9.823	309.413	12.317	0.16551	2.58069	5 X
K12Q67S	17.6	0.15	K20CH	297.661	180.743	163.387	4.699	0.12594	2.72949	6 V
K12R11Z	16.7	0.15	K20CH	17.773	204.677	195.991	14.205	0.07573	2.44819	12 X
K12R25T	17.1	0.15	K20CH	359.398	38.768	311.512	13.242	0.19501	2.61158	5 X
K12R33B	18.9	0.15	K20CH	13.146	97.147	304.817	18.675	0.12195	1.89622	5 X
K12S02U	18.8	0.15	K20CH	144.111	51.955	285.904	10.050	0.27544	2.29951	3 V
K12S08E	17.6	0.15	K20CH	22.230	33.258	350.645	14.588	0.12314	2.47687	6 X
K12S50B	18.2	0.15	K20CH	233.671	286.422	265.937	22.535	0.12367	1.90526	5 X
K12S74Y	18.6	0.15	K20CH	32.303	2.753	17.078	2.857	0.20732	2.46454	3 X
K12S90Q	17.2	0.15	K20CH	9.350	25.940	194.517	10.290	0.04006	2.93033	5 V
K12T10D	16.5	0.15	K20CH	22.901	123.666	192.224	30.548	0.25410	2.60227	7 X
K12T35L	18.0	0.15	K20CH	187.591	208.562	21.956	22.151	0.07621	1.90187	7 X
K12T48P	18.7	0.15	K20CH	342.287	67.331	13.122	19.740	0.10211	1.91039	6 X
K12TD0B	18.3	0.15	K20CH	65.382	299.998	55.235	22.818	0.09865	1.90784	5 X
K12TD0N	16.4	0.15	K20CH	52.441	314.049	322.994	6.801	0.18778	2.62562	12 X
K12TG2X	16.4	0.15	K20CH	351.313	266.964	162.449	6.513	0.28813	3.95013	4 V
K12TG5Y	17.7	0.15	K20CH	36.609	328.527	49.774	8.954	0.17360	2.48413	5 X
K12TP6R	19.4	0.15	K20CH	17.109	29.564	14.843	24.136	0.18632	1.91369	2 X
K12TS0B	18.1	0.15	K20CH	144.232	254.571	14.778	20.540	0.06535	1.90972	8 X
K12TT1U	18.2	0.15	K20CH	80.646	312.189	16.253	21.125	0.10046	1.91781	5 X
K12TT3W	17.3	0.15	K20CH	358.647	354.517	7.207	6.199	0.26278	2.60973	4 X
K12TV0Z	16.5	0.15	K20CH	351.362	64.939	301.818	11.039	0.26863	2.61117	7 X
K12TV4P	15.9	0.15	K20CH	320.463	155.243	254.252	12.046	0.14474	2.64097	8 X
K12TX6W	18.5	0.15	K20CH	41.427	325.628	49.992	2.945	0.18673	2.47310	4 X
K12Ta5M	16.5	0.15	K20CH	174.567	249.397	108.084	13.144	0.10657	3.19910	5 V
K12U32B	18.8	0.15	K20CH	40.960	359.650	15.544	21.972	0.12256	1.91330	3 X
K12U34G	18.0	0.15	K20CH	123.717	245.549	56.008	22.843	0.05804	1.89928	7 X
K12U61X	15.9	0.15	K20CH	16.550	306.198	92.198	1.471	0.21670	3.97673	8 X
K12U68J	18.3	0.15	K20CH	239.557	262.490	279.782	18.732	0.08045	1.91588	5 X
K12UD6F	17.1	0.15	K20CH	329.544	157.186	241.905	11.894	0.28529	2.64498	6 X
K12UG4W	17.0	0.15	K20CH	351.662	17.064	349.170	14.546	0.11984	2.63746	7 X
K12UG5U	16.5	0.15	K20CH	5.690	88.521	254.776	13.646	0.13918	2.60879	9 X
K12UG8M	16.6	0.15	K20CH	357.081	38.598	311.660	14.132	0.14340	2.64610	6 X
K12UG8O	17.1	0.15	K20CH	34.104	11.359	325.051	13.773	0.30958	2.54761	7 X
K12UH4X	16.4	0.15	K20CH	15.873	329.371	71.660	34.007	0.18921	2.57658	4 X
K12UJ0L	18.1	0.15	K20CH	54.442	73.259	290.886	19.344	0.05070	1.89384	5 X
K12UJ0T	17.8	0.15	K20CH	40.568	115.533	181.753	4.161	0.26727	2.63099	5 V
K12UM2Q	16.3	0.15	K20CH	340.526	232.552	206.936	11.800	0.24687	3.96885	4 V
K12UM3G	18.2	0.15	K20CH	331.192	234.666	199.565	7.891	0.14150	2.56524	5 V
K12V08B	18.8	0.15	K20CH	37.605	164.136	219.059	20.001	0.10640	1.91129	4 X
K12V19H	17.4	0.15	K20CH	40.567	274.296	96.171	4.795	0.19285	2.51508	7 X
K12V42E	17.7	0.15	K20CH	23.131	334.183	62.695	13.413	0.15270	2.53311	4 X
K12VB8X	18.2	0.15	K20CH	15.559	277.578	122.965	3.091	0.18167	2.54341	4 X
K12VC2Y	15.6	0.15	K20CH	344.296	15.036	71.350	12.933	0.16266	3.98251	3 X
K12VC8M	16.6	0.15	K20CH	53.416	50.812	287.420	12.796	0.21383	2.55439	6 X
K12VD1L	18.3	0.15	K20CH	4.302	200.118	181.217	9.579	0.09859	2.55705	4 V
K12W24W	17.1	0.15	K20CH	15.290	345.549	46.972	6.338	0.27571	2.59533	3 X
K12W35W	16.6	0.15	K20CH	13.286	69.071	335.768	14.591	0.14337	2.52769	4 X
K12W42B	18.2	0.15	K20CH	0.593	90.441	313.441	2.876	0.22022	2.64489	2 V
K12X18V	16.4	0.15	K20CH	132.677	206.570	65.868	13.530	0.13828	2.56495	8 X
K12X23C	17.8	0.15	K20CH	33.428	354.613	27.554	2.698	0.17158	2.52983	5 X
K12X47Z	16.9	0.15	K20CH	346.040	138.451	290.157	16.154	0.13395	2.60374	6 X
K12X48A	17.2	0.15	K20CH	307.922	190.063	290.262	13.010	0.20436	2.60703	5 X
K12X54R	19.2	0.15	K20CH	359.819	162.252	265.521	20.626	0.45229	2.53169	3 X
K12X55R	16.8	0.15	K20CH	21.783	258.015	110.580	28.976	0.40438	2.60304	5 X
K12X93B	17.0	0.15	K20CH	18.039	299.884	92.527	5.528	0.21566	2.58634	10 X
K12XB1G	18.1	0.15	K20CH	37.999	161.538	221.210	20.075	0.07145	1.93841	8 X
K12XB1X	18.2	0.15	K20CH	12.211	131.792	259.699	28.444	0.37902	2.55375	3 X

K12XD3V	16.4	0.15	K20CH	52.360	280.255	58.902	4.682	0.20752	2.58609	15 X
K12XD5T	17.0	0.15	K20CH	338.672	165.641	271.827	33.371	0.20639	2.60545	3 X
K12XD6Y	18.6	0.15	K20CH	12.012	2.911	46.517	3.172	0.27665	2.53078	4 X
K12XD8L	16.4	0.15	K20CH	23.997	64.727	309.526	11.312	0.19281	2.56439	8 X
K12XE5Y	17.6	0.15	K20CH	329.960	248.183	210.827	6.663	0.15502	2.54511	7 X
K12XF0J	17.2	0.15	K20CH	87.503	246.665	78.907	4.620	0.11547	2.55787	9 X
K12XF6C	17.5	0.15	K20CH	3.321	325.588	100.409	4.545	0.13737	2.53386	9 X
K12XF6D	15.9	0.15	K20CH	101.532	226.632	84.378	28.502	0.08482	2.57351	13 X
K12XF6E	18.1	0.15	K20CH	345.371	179.904	212.119	5.826	0.34169	2.60794	3 X
K12XG4V	17.5	0.15	K20CH	28.008	54.120	313.337	11.647	0.33143	2.55378	3 X
K12XG9K	17.2	0.15	K20CH	306.369	171.492	297.244	17.078	0.05178	2.62988	7 X
K12XH2L	18.6	0.15	K20CH	348.620	246.722	192.273	4.936	0.23370	2.55050	3 V
K12XH2M	17.6	0.15	K20CH	345.720	263.761	174.673	4.379	0.21984	2.62360	8 V
K12XH2N	17.5	0.15	K20CH	44.083	79.154	278.053	13.205	0.19786	2.56936	6 X
K12XH2Q	18.9	0.15	K20CH	38.215	100.487	263.766	17.566	0.10376	1.95158	2 V
K12XH2R	17.6	0.15	K20CH	345.080	20.923	62.689	4.812	0.18352	2.58631	3 V
K12Y19B	18.2	0.15	K20CH	1.049	41.410	358.650	5.664	0.29775	2.60449	3 X
K12Y19Z	19.1	0.15	K20CH	82.384	56.125	83.931	3.013	0.16765	2.29320	2 V
K13A10D	17.3	0.15	K20CH	63.920	42.526	295.119	4.309	0.22566	2.56225	8 X
K13A10O	17.8	0.15	K20CH	356.602	320.189	105.317	3.400	0.25114	2.58243	7 X
K13A11T	17.8	0.15	K20CH	22.818	129.770	263.929	3.516	0.23979	2.57520	4 X
K13A19S	17.2	0.15	K20CH	299.405	182.406	306.652	13.372	0.13738	2.63816	5 X
K13A35N	17.5	0.15	K20CH	37.480	272.086	99.361	13.221	0.30578	2.57935	5 X
K13A45S	17.8	0.15	K20CH	0.463	311.598	118.637	6.822	0.28180	2.58891	4 X
K13A55Q	14.3	0.15	K20CH	314.118	58.265	333.946	9.500	0.06742	5.20833	7 X
K13A71U	17.3	0.15	K20CH	43.644	128.282	223.214	11.271	0.25714	2.57081	6 X
K13A77G	17.4	0.15	K20CH	1.417	0.792	65.741	8.594	0.34347	2.56862	4 X
K13A89V	17.8	0.15	K20CH	337.589	44.411	64.838	6.280	0.27602	2.57697	5 X
K13A94A	16.8	0.15	K20CH	279.745	55.383	112.185	14.177	0.19754	2.63978	6 X
K13AA8U	18.2	0.15	K20CH	17.852	183.321	200.459	0.998	0.23151	2.63166	6 V
K13AA9U	16.6	0.15	K20CH	351.285	76.570	283.906	3.803	0.17586	2.79802	10 X
K13AC4U	17.0	0.15	K20CH	330.984	43.937	56.513	14.089	0.23159	2.61784	6 X
K13AE7R	18.5	0.15	K20CH	20.828	100.444	273.066	26.405	0.44778	2.58027	3 X
K13AJ8F	17.5	0.15	K20CH	12.904	337.093	63.577	9.680	0.16576	2.60627	7 X
K13AJ9Z	17.5	0.15	K20CH	75.861	154.226	333.741	25.582	0.18944	2.31092	2 V
K13B14T	17.9	0.15	K20CH	19.393	78.680	298.989	11.276	0.28680	2.62406	6 X
K13B25Y	17.5	0.15	K20CH	345.397	103.776	327.889	9.021	0.12868	2.67030	6 X
K13B35P	17.4	0.15	K20CH	9.032	288.935	125.992	6.040	0.19860	2.58626	6 X
K13B43D	16.7	0.15	K20CH	49.648	22.570	320.703	13.581	0.19184	2.70164	9 X
K13B46C	16.9	0.15	K20CH	312.729	148.897	321.836	10.876	0.13919	2.64274	6 X
K13B52W	17.8	0.15	K20CH	359.495	5.420	52.089	6.697	0.23224	2.59234	3 X
K13B96N	18.5	0.15	K20CH	5.661	177.982	237.061	2.378	0.24867	2.58575	4 V
K13B96V	17.3	0.15	K20CH	38.729	74.739	278.955	12.593	0.09633	2.70818	3 V
K13C03B	17.0	0.15	K20CH	350.787	304.486	139.217	7.332	0.29038	2.59745	9 X
K13C06A	17.3	0.15	K20CH	41.240	202.022	167.112	4.328	0.08604	2.67508	9 X
K13C09S	17.5	0.15	K20CH	8.790	116.591	286.361	11.853	0.17213	2.61335	4 X
K13C10B	16.6	0.15	K20CH	327.977	77.188	309.017	9.193	0.14495	2.81099	6 X
K13C23G	16.5	0.15	K20CH	338.934	135.198	295.521	21.173	0.03926	2.66344	8 X
K13CA4T	17.3	0.15	K20CH	23.467	343.652	41.087	3.550	0.06124	2.71632	8 V
K13CD6B	16.8	0.15	K20CH	214.263	142.492	73.258	12.924	0.10228	2.70673	9 X
K13CF6N	17.3	0.15	K20CH	337.956	65.551	25.571	3.124	0.03938	2.69931	6 X
K13CG4P	16.4	0.15	K20CH	3.212	13.094	335.045	11.463	0.06310	2.94662	9 X
K13CH7E	17.4	0.15	K20CH	334.524	72.784	10.511	12.920	0.25253	2.61822	5 V
K13CL1F	17.9	0.15	K20CH	323.696	11.274	101.036	2.126	0.11832	2.61264	9 X
K13CL6K	17.6	0.15	K20CH	351.903	105.629	321.756	11.094	0.15797	2.67041	5 X
K13CN0L	17.9	0.15	K20CH	21.613	79.579	335.811	27.324	0.38368	2.56128	3 X
K13CN1A	17.0	0.15	K20CH	309.194	166.492	308.644	12.640	0.13240	2.70819	6 X
K13CO5T	17.3	0.15	K20CH	296.150	217.354	279.957	14.573	0.20305	2.67736	5 X
K13D03A	15.7	0.15	K20CH	208.720	302.662	185.786	10.144	0.04989	2.97840	15 X
K13D08L	16.8	0.15	K20CH	108.335	30.114	271.206	8.366	0.14287	2.77994	7 X
K13D21F	17.2	0.15	K20CH	15.644	44.766	342.526	12.117	0.20492	2.72334	4 X
K13E10J	17.0	0.15	K20CH	32.827	33.238	50.322	29.822	0.11557	2.54844	6 X
K13E19N	16.4	0.15	K20CH	34.144	325.328	336.990	4.014	0.16804	3.06356	9 X
K13EB2C	17.6	0.15	K20CH	308.590	302.702	186.848	3.203	0.11854	2.68133	9 X
K13EH2Y	17.5	0.15	K20CH	340.284	236.568	176.281	4.735	0.06722	2.76520	7 V
K13F29A	16.9	0.15	K20CH	270.262	124.421	40.991	9.430	0.22204	2.72808	4 V
K13F36K	17.1	0.15	K20CH	315.806	105.895	332.341	9.550	0.09205	2.83385	6 V
K13G49M	16.4	0.15	K20CH	14.729	316.423	81.176	6.844	0.04761	2.78288	10 X
K13G88H	16.9	0.15	K20CH	310.400	88.226	57.548	13.585	0.22064	2.67440	5 X
K13G89T	17.6	0.15	K20CH	3.916	83.107	16.780	27.818	0.38929	2.57001	3 X
K13H66M	18.4	0.15	K20CH	162.987	326.912	347.203	4.124	0.10085	2.70594	2 V
K13H94B	16.9	0.15	K20CH	134.816	71.849	217.517	1.611	0.02076	2.83446	13 X
K13J39S	16.0	0.15	K20CH	73.128	241.311	86.483	28.067	0.17597	3.08944	6 X
K13J45A	16.0	0.15	K20CH	35.121	255.598	129.415	2.529	0.10561	2.96021	13 X
K13J68X	16.6	0.15	K20CH	69.713	237.435	93.211	17.642	0.20939	3.07556	7 X
K13L42N	16.5	0.15	K20CH	20.460	159.812	228.975	16.503	0.11432	3.04057	8 X
K13N05Z	15.9	0.15	K20CH	20.854	99.427	294.514	12.963	0.06526	3.12517	8 X
K13N45H	16.9	0.15	K20CH	38.529	125.937	252.019	9.694	0.13641	3.19758	5 X
K13N56D	19.8	0.15	K20CH	39.877	159.435	196.598	3.348	0.25459	2.24708	4 V
K13P06Y	19.3	0.15	K20CH	15.147	194.088	196.895	3.421	0.46388	2.28307	4 X
K13P17B	18.1	0.15	K20CH	60.403	91.766	256.787	2.804	0.22139	2.22483	9 X
K13PB1F	17.0	0.15	K20CH	32.735	255.364	170.649	11.674	0.13306	3.15891	4 V
K13Q05X	16.9	0.15	K20CH	94.919	43.432	310.377	26.834	0.22247	3.17485	3 V
K13Q83G	17.3	0.15	K20CH	341.938	197.690	181.952	26.915	0.23317	2.35555	6 X
K13R19A	17.5	0.15	K20CH	345.154	197.598	175.759	7.428	0.15683	2.37267	7 X
K13R53A	17.4	0.15	K20CH	324.630	88.660	313.511	7.332	0.17697	2.37370	8 X
K13R96Y	18.2	0.15	K20CH	70.264	109.349	233.114	5.461	0.13687	2.22978	9 X
K13RB8Q	19.8	0.15	K20CH	8.994	191.492	214.112	2.513	0.27226	2.29049	2 V
K13RE3V	17.5	0.15	K20CH	91.804	44.543	46.528	4.806	0.21825	3.06174	4 V
K13RE3W	17.9	0.15	K20CH	178.425	149.171	262.402	3.936	0.14747	2.71784	3 V
K13S26S	18.2	0.15	K20CH	62.919	294.394	33.891	23.182	0.28643	2.28005	4 X
K13S50W	17.8	0.15	K20CH	9.835	227.855	120.760	2.241	0.19981	2.36989	10 X
K13S51Y	18.6	0.15	K20CH	51.800	240.377	118.343	1.656	0.18503	2.26931	6 X

K13S610	16.0	0.15	K20CH	1.047	237.794	183.548	10.281	0.10373	3.38334	8 X
K13SA3P	18.4	0.15	K20CH	41.204	143.493	224.559	23.395	0.20702	2.27909	4 X
K13SA9U	17.1	0.15	K20CH	196.062	344.177	52.508	7.686	0.08084	2.76363	2 V
K13T34P	18.9	0.15	K20CH	23.262	188.844	195.046	3.267	0.17467	2.26992	5 V
K13T48S	18.3	0.15	K20CH	22.980	4.818	34.455	6.924	0.16373	2.27042	7 X
K13T48Y	18.7	0.15	K20CH	22.259	337.568	50.408	2.667	0.20099	2.28925	5 X
K13T65S	17.9	0.15	K20CH	55.952	7.106	345.380	8.043	0.15000	2.27444	7 X
K13T69E	18.3	0.15	K20CH	8.558	113.103	319.019	21.594	0.36197	2.26229	3 V
K13T84F	18.0	0.15	K20CH	43.985	51.409	253.950	5.173	0.11208	2.37190	7 X
K13T90Q	17.4	0.15	K20CH	326.316	175.734	226.227	8.028	0.21032	2.37569	8 X
K13TH7P	17.1	0.15	K20CH	16.553	133.227	254.081	21.624	0.18622	2.29701	4 X
K13TL2C	17.0	0.15	K20CH	66.772	75.990	21.926	24.979	0.32196	3.13475	3 V
K13U06Z	18.2	0.15	K20CH	51.541	249.521	104.470	3.134	0.23893	2.26890	6 X
K13U07L	18.9	0.15	K20CH	354.395	203.633	229.196	4.176	0.17808	2.28876	5 X
K13U12S	18.6	0.15	K20CH	48.312	221.485	128.240	3.278	0.24784	2.28309	7 X
K13U14X	18.3	0.15	K20CH	21.881	331.633	40.183	7.198	0.53296	2.32992	4 X
K13U40U	17.8	0.15	K20CH	45.284	149.200	212.037	6.122	0.12530	2.33296	10 X
K13U41J	18.8	0.15	K20CH	18.752	312.973	83.212	3.999	0.20606	2.29951	4 X
K13V22R	18.1	0.15	K20CH	44.482	66.680	282.950	10.997	0.28902	2.29593	7 X
K13V61M	19.3	0.15	K20CH	0.228	7.412	51.040	3.418	0.17250	2.33507	3 V
K13V61W	18.8	0.15	K20CH	12.016	276.361	117.160	2.960	0.21694	2.33484	2 V
K13W28A	18.3	0.15	K20CH	26.359	321.609	59.951	0.443	0.21164	2.32115	7 X
K13W42C	18.8	0.15	K20CH	19.664	332.815	53.234	7.656	0.18704	2.32199	3 V
K13W59C	18.5	0.15	K20CH	6.216	267.666	152.922	2.045	0.18918	2.30828	7 X
K13W72T	18.2	0.15	K20CH	328.249	215.361	249.255	22.729	0.19835	2.32464	4 V
K13W83L	18.7	0.15	K20CH	358.978	261.052	159.122	2.161	0.17932	2.33383	4 V
K13W95L	19.2	0.15	K20CH	27.710	327.968	45.938	5.398	0.24243	2.32813	2 V
K13WD2M	19.2	0.15	K20CH	21.743	166.280	216.964	7.065	0.22538	2.33497	2 V
K13WD3H	17.2	0.15	K20CH	43.654	70.434	72.655	9.751	0.19769	3.17012	4 V
K13WD3J	18.8	0.15	K20CH	355.088	66.703	263.216	20.303	0.07635	1.87040	3 V
K13X17S	18.2	0.15	K20CH	344.034	321.039	126.471	6.801	0.12456	2.36061	5 X
K13X22L	17.5	0.15	K20CH	11.352	85.755	299.765	26.110	0.32491	2.31974	4 X
K13X31N	18.5	0.15	K20CH	333.796	23.538	73.663	4.052	0.16138	2.35757	3 X
K13X37Q	17.3	0.15	K20CH	94.155	281.125	191.359	10.686	0.09666	3.04098	5 V
K13Y12H	18.6	0.15	K20CH	348.421	22.080	52.088	2.682	0.14240	2.33711	4 V
K13Y18R	18.0	0.15	K20CH	19.245	314.040	87.569	4.339	0.23192	2.33853	8 X
K13Y65Q	17.9	0.15	K20CH	15.628	274.957	130.558	5.914	0.21947	2.34004	8 X
K13YA8H	18.4	0.15	K20CH	37.062	297.383	66.260	2.454	0.20189	2.34026	4 V
K13YC8D	18.5	0.15	K20CH	10.530	303.698	107.659	9.953	0.19790	2.36512	3 X
K13YF4H	17.9	0.15	K20CH	327.854	136.870	325.676	6.653	0.09567	2.40029	5 X
K13YGLZ	16.9	0.15	K20CH	0.977	126.754	220.669	4.109	0.27516	2.52276	8 X
K14A25O	17.6	0.15	K20CH	19.909	137.584	266.455	5.800	0.11525	2.39802	7 X
K14A30P	17.7	0.15	K20CH	323.241	314.842	154.556	2.576	0.15368	2.39473	10 X
K14A71S	17.0	0.15	K20CH	91.300	253.959	265.570	9.768	0.04507	2.96068	6 V
K14B28J	15.0	0.15	K20CH	340.177	311.241	131.231	13.699	0.13548	3.97587	7 X
K14B81P	17.0	0.15	K20CH	37.868	173.171	40.625	12.966	0.09649	3.02219	5 V
K14B81Q	17.3	0.15	K20CH	211.370	30.875	106.744	22.879	0.03053	2.63721	3 V
K14C27Q	16.8	0.15	K20CH	16.652	51.773	349.289	11.887	0.06077	2.52568	8 X
K14C33L	16.5	0.15	K20CH	144.908	343.852	99.470	17.701	0.06570	3.11610	9 V
K14C33M	16.8	0.15	K20CH	92.171	356.501	146.599	6.975	0.11391	3.12721	5 V
K14D00Z	15.9	0.15	K20CH	356.797	277.884	155.094	12.082	0.28680	3.96533	6 X
K14D03R	16.8	0.15	K20CH	94.764	185.311	127.970	9.851	0.12184	2.50813	13 X
K14D09P	16.1	0.15	K20CH	235.490	301.705	171.182	21.862	0.12107	2.66792	10 X
K14D09R	18.2	0.15	K20CH	355.145	17.565	50.564	5.856	0.21121	2.39886	5 X
K14D56K	17.4	0.15	K20CH	219.580	193.212	1.778	14.545	0.02204	2.54737	6 X
K14DAOX	16.4	0.15	K20CH	357.793	284.543	146.874	3.756	0.25247	3.98038	4 X
K14DE1C	17.9	0.15	K20CH	25.421	259.746	120.380	7.684	0.36320	2.26647	6 X
K14DH9K	14.4	0.15	K20CH	198.392	141.535	39.347	7.483	0.06551	5.20771	2 V
K14EL8W	17.2	0.15	K20CH	37.173	49.915	308.300	9.197	0.20581	2.54957	6 X
K14F07K	18.2	0.15	K20CH	62.307	343.189	17.765	22.087	0.03043	1.85927	5 X
K14F16Y	16.8	0.15	K20CH	38.491	12.440	358.105	13.551	0.18217	2.55693	6 X
K14F54T	17.2	0.15	K20CH	275.074	109.566	50.070	7.130	0.07136	2.45811	9 X
K14G07F	17.1	0.15	K20CH	74.634	329.682	358.764	13.972	0.11148	2.63501	6 X
K14G41O	17.1	0.15	K20CH	304.013	97.641	27.053	21.870	0.08216	2.56458	4 X
K14G41Y	16.4	0.15	K20CH	302.398	97.317	29.612	15.616	0.06374	2.57265	9 X
K14G46N	16.7	0.15	K20CH	13.850	60.525	344.296	12.642	0.18492	2.54669	5 X
K14G47F	16.1	0.15	K20CH	300.373	140.759	324.125	13.085	0.11829	2.56693	13 X
K14H02R	17.7	0.15	K20CH	251.515	125.349	53.560	22.234	0.12160	1.86432	7 X
K14H09F	17.0	0.15	K20CH	71.119	251.635	78.642	4.876	0.14595	2.72473	6 X
K14H19K	17.3	0.15	K20CH	19.619	175.861	222.755	4.953	0.02155	2.60942	10 X
K14H28U	16.6	0.15	K20CH	41.049	183.169	174.864	6.001	0.22542	2.72672	11 X
K14H36J	16.9	0.15	K20CH	229.464	27.076	172.100	9.680	0.07822	2.58598	10 X
K14H46P	18.0	0.15	K20CH	123.385	222.059	77.642	23.824	0.05019	1.88210	5 X
K14H58E	17.6	0.15	K20CH	6.687	241.203	171.172	3.975	0.19131	2.57288	6 X
K14J00C	17.7	0.15	K20CH	298.153	76.740	56.911	21.915	0.10557	1.86638	5 X
K14J24S	19.2	0.15	K20CH	350.040	32.786	49.015	23.000	0.09155	1.86820	3 X
K14J34W	16.6	0.15	K20CH	289.468	272.806	229.303	22.492	0.13500	2.60025	6 X
K14J43S	16.0	0.15	K20CH	322.400	238.637	151.608	6.749	0.09074	2.94089	14 X
K14J56X	19.0	0.15	K20CH	17.554	329.479	79.628	23.938	0.06352	1.88261	4 X
K14J57H	16.2	0.15	K20CH	8.700	11.982	54.447	25.673	0.87504	3.33145	5 X
K14J67J	16.8	0.15	K20CH	359.186	357.838	71.601	14.785	0.08653	2.62916	10 X
K14K45Q	18.8	0.15	K20CH	4.119	339.139	85.633	24.740	0.07652	1.88654	4 X
K14K45Y	17.8	0.15	K20CH	145.415	231.286	50.594	20.834	0.03431	1.90329	9 X
K14K71W	16.6	0.15	K20CH	4.099	120.327	224.845	12.839	0.30738	3.15563	5 X
K14K89C	16.5	0.15	K20CH	359.952	187.059	165.780	18.977	0.19801	3.05692	6 X
K14L20U	16.6	0.15	K20CH	337.517	343.470	104.840	12.229	0.08415	2.68381	11 X
K14L21R	19.0	0.15	K20CH	281.286	282.741	237.058	15.608	0.10063	1.87621	4 X
K14L21W	18.6	0.15	K20CH	27.012	129.839	155.020	8.262	0.61281	3.35413	3 X
K14L38J	17.1	0.15	K20CH	14.046	180.172	191.187	10.811	0.10427	3.17486	4 V
K14M80U	18.7	0.15	K20CH	40.713	112.077	258.664	17.853	0.10435	1.94312	4 X
K14M90F	16.3	0.15	K20CH	38.173	343.357	24.510	5.567	0.24932	2.97705	5 X
K14N69A	16.5	0.15	K20CH	64.732	197.102	136.550	12.217	0.22939	3.08615	8 X
K14N74M	16.7	0.15	K20CH	14.819	90.523	289.733	19.798	0.26333	3.09512	4 X

K14N79V	16.8	0.15	K20CH	50.257	292.566	54.566	5.370	0.17520	3.04730	8 X
K14N80C	16.2	0.15	K20CH	72.869	33.391	294.064	14.961	0.10883	3.18683	6 X
K14O53M	16.9	0.15	K20CH	52.522	217.941	123.581	3.199	0.19836	3.04587	5 X
K14O62K	16.6	0.15	K20CH	61.576	230.507	115.202	12.206	0.14962	2.99457	10 X
K14O97Z	16.7	0.15	K20CH	9.817	82.771	323.192	16.218	0.24571	3.11688	4 X
K14OD9U	16.8	0.15	K20CH	27.336	243.304	135.812	2.833	0.15220	2.99061	5 X
K14OH3F	16.7	0.15	K20CH	63.584	20.680	323.595	10.317	0.09929	2.94481	8 X
K14OP0O	17.1	0.15	K20CH	68.593	353.175	327.922	15.776	0.13706	3.00652	4 V
K14OP3G	16.9	0.15	K20CH	340.040	73.261	348.629	9.093	0.04260	2.96972	9 V
K14OROV	16.0	0.15	K20CH	342.649	299.574	88.818	14.532	0.12234	3.19322	8 X
K14OT6U	16.5	0.15	K20CH	6.288	265.826	146.047	10.454	0.18894	3.15021	8 X
K14OT6V	16.8	0.15	K20CH	54.684	329.601	24.771	7.503	0.14937	3.11423	7 X
K14OW5A	17.1	0.15	K20CH	347.840	120.137	310.523	12.713	0.09978	2.90790	7 X
K14OY1L	17.5	0.15	K20CH	23.591	273.124	121.776	3.817	0.18646	2.98548	4 X
K14Oa8G	18.1	0.15	K20CH	93.840	253.461	110.306	1.817	0.08582	2.75905	5 V
K14Od3C	16.5	0.15	K20CH	44.129	63.992	278.572	15.209	0.24834	3.14053	5 X
K14Of1S	17.2	0.15	K20CH	127.759	60.067	233.859	1.212	0.05574	2.90942	6 X
K14Of4Q	16.5	0.15	K20CH	23.341	271.381	124.572	11.142	0.10147	3.07226	7 X
K14P11K	17.1	0.15	K20CH	9.390	271.686	139.220	17.054	0.30282	3.06921	5 X
K14P19F	16.7	0.15	K20CH	50.358	7.496	338.109	11.479	0.15361	3.07149	4 X
K14P19J	16.3	0.15	K20CH	1.463	73.991	345.499	9.613	0.09389	2.97953	9 X
K14P43G	16.1	0.15	K20CH	57.565	252.054	88.352	16.451	0.19279	3.10430	9 X
K14P52T	16.8	0.15	K20CH	94.131	149.029	174.894	8.813	0.06480	2.98589	9 X
K14P55N	16.0	0.15	K20CH	349.277	92.798	338.350	21.650	0.18754	3.07539	7 X
K14P92M	17.4	0.15	K20CH	6.223	238.652	151.074	10.922	0.10180	3.04208	4 V
K14P92N	17.0	0.15	K20CH	32.691	206.706	136.368	9.585	0.07795	3.16843	4 V
K14Q11X	17.3	0.15	K20CH	13.862	112.141	273.071	15.729	0.23627	3.12455	2 X
K14Q29A	16.6	0.15	K20CH	59.171	3.009	324.654	17.225	0.20407	3.13375	3 X
K14Q29Q	16.2	0.15	K20CH	31.890	47.520	319.128	12.810	0.20144	3.15293	7 X
K14Q39R	16.9	0.15	K20CH	358.009	130.685	277.998	15.458	0.20113	3.06808	2 X
K14QB1W	16.3	0.15	K20CH	66.396	10.093	309.570	15.512	0.20408	3.09003	3 X
K14QG1B	16.9	0.15	K20CH	73.371	278.561	45.290	11.525	0.08789	2.98582	6 V
K14QG8R	17.6	0.15	K20CH	186.982	306.019	292.782	16.910	0.06065	1.96207	9 X
K14QI9Y	17.1	0.15	K20CH	40.730	30.753	320.678	15.571	0.19103	3.11680	4 V
K14QK7D	16.4	0.15	K20CH	38.229	205.940	168.178	11.893	0.14213	3.04876	10 X
K14QK9B	17.9	0.15	K20CH	168.503	343.452	306.114	3.440	0.08405	2.79324	3 V
K14QN8X	16.9	0.15	K20CH	29.610	346.310	45.146	3.801	0.16363	3.05975	6 X
K14QP9C	16.8	0.15	K20CH	14.020	340.589	52.178	11.617	0.21249	3.16026	6 X
K14QP9Y	16.5	0.15	K20CH	67.356	223.769	119.038	12.296	0.12820	3.06928	9 X
K14QQ5P	16.4	0.15	K20CH	47.320	42.541	296.322	16.075	0.22137	3.13427	3 X
K14QS7J	16.7	0.15	K20CH	14.858	311.154	89.087	17.556	0.22210	3.09140	7 X
K14QZ8Z	16.7	0.15	K20CH	28.801	17.708	351.996	14.783	0.26201	3.20273	4 X
K14Qa9X	16.7	0.15	K20CH	8.399	49.918	354.011	27.150	0.20019	3.14466	5 X
K14Qb5G	16.2	0.15	K20CH	348.718	89.074	348.876	15.199	0.23462	3.13492	6 X
K14Qc2W	16.4	0.15	K20CH	56.148	336.728	352.664	16.930	0.20391	3.11841	3 X
K14Qe0Q	16.9	0.15	K20CH	13.004	264.523	145.022	10.974	0.10355	3.02133	7 X
K14Qe8D	16.2	0.15	K20CH	58.597	47.730	278.595	15.815	0.22932	3.16541	2 X
K14Qf7B	16.9	0.15	K20CH	70.573	109.495	212.148	8.145	0.12875	3.16745	2 V
K14Qf7L	16.9	0.15	K20CH	60.952	150.262	198.437	11.393	0.12559	3.10913	6 X
K14Qg1N	16.5	0.15	K20CH	54.843	337.270	349.341	30.346	0.29619	3.15432	4 X
K14Qg8B	16.9	0.15	K20CH	28.680	215.401	174.138	9.710	0.08200	3.05804	7 X
K14Qj3M	16.9	0.15	K20CH	27.828	125.987	259.334	8.634	0.19334	3.06673	5 X
K14Qj4H	16.6	0.15	K20CH	11.158	236.191	176.895	10.742	0.05278	3.04526	8 X
K14Qk7E	16.3	0.15	K20CH	292.733	3.894	133.495	9.567	0.04605	3.15322	8 X
K14Ql1V	16.2	0.15	K20CH	49.191	207.610	159.332	11.344	0.08256	3.19609	8 X
K14Ql5Z	15.8	0.15	K20CH	35.362	316.533	50.118	17.384	0.11629	3.10270	6 X
K14Ql9J	16.9	0.15	K20CH	14.869	47.231	342.824	14.966	0.18645	3.09349	7 X
K14Qn6G	16.5	0.15	K20CH	134.726	21.979	266.291	8.735	0.06013	2.96696	7 X
K14Qo0L	17.1	0.15	K20CH	28.707	44.875	326.661	11.865	0.16406	3.15093	5 X
K14Qr4C	16.3	0.15	K20CH	87.281	274.480	35.800	9.856	0.06109	3.05685	9 V
K14Qr4R	17.6	0.15	K20CH	26.162	156.113	212.515	16.123	0.20894	3.17555	2 V
K14Qr7L	19.1	0.15	K20CH	123.254	166.096	159.128	23.370	0.06868	1.94467	2 V
K14Qr7M	17.6	0.15	K20CH	97.893	68.148	289.366	12.100	0.18292	2.85985	3 V
K14R00P	15.6	0.15	K20CH	10.253	146.294	256.382	17.041	0.34726	3.19005	5 X
K14R24T	16.8	0.15	K20CH	30.710	117.100	265.447	8.290	0.18915	3.05761	6 X
K14R36W	16.5	0.15	K20CH	0.329	56.316	4.636	14.827	0.22657	3.12638	8 X
K14R43J	16.8	0.15	K20CH	34.830	141.317	226.795	12.463	0.26589	3.17339	4 X
K14R43Q	16.5	0.15	K20CH	34.081	118.334	257.637	10.857	0.21084	3.15325	5 X
K14R43Z	15.7	0.15	K20CH	327.421	127.763	316.008	14.036	0.07639	3.20765	8 X
K14R47J	16.7	0.15	K20CH	357.570	52.431	9.670	16.103	0.22219	3.19159	2 X
K14R62F	16.0	0.15	K20CH	76.341	13.614	297.965	14.814	0.22921	3.09077	7 X
K14R66H	16.4	0.15	K20CH	8.306	208.004	205.652	15.032	0.10943	3.09827	8 X
K14R76Q	16.6	0.15	K20CH	39.490	256.410	105.854	17.128	0.24784	3.12559	3 X
K14R80M	16.8	0.15	K20CH	77.487	239.107	38.735	11.516	0.14139	3.20817	4 V
K14R80N	17.5	0.15	K20CH	3.589	233.210	163.046	1.702	0.16497	3.13822	3 V
K14R80O	17.3	0.15	K20CH	43.434	50.057	348.323	9.425	0.11239	2.98030	2 V
K14R80P	16.9	0.15	K20CH	68.908	96.619	272.388	8.812	0.08638	2.98914	3 V
K14S01Z	16.4	0.15	K20CH	58.072	347.162	345.111	17.459	0.18471	3.15213	4 X
K14S08R	16.8	0.15	K20CH	9.031	236.339	178.565	1.668	0.11499	3.04864	12 X
K14S54W	16.7	0.15	K20CH	36.516	268.088	102.902	6.166	0.12192	3.09603	8 X
K14S71C	15.6	0.15	K20CH	313.427	349.113	125.861	12.016	0.03692	2.94804	10 X
K14S83A	17.2	0.15	K20CH	22.053	29.798	351.216	16.821	0.18305	3.17590	2 X
K14SE0E	18.0	0.15	K20CH	76.780	243.247	80.438	2.992	0.16058	3.13513	2 V
K14SF8Y	15.9	0.15	K20CH	34.389	235.561	138.887	2.394	0.12024	3.19951	14 X
K14SG4D	16.6	0.15	K20CH	36.648	196.400	180.701	13.024	0.15100	3.15947	7 X
K14SG7W	17.0	0.15	K20CH	2.935	86.153	320.193	23.335	0.28957	3.20767	3 X
K14SG9B	16.1	0.15	K20CH	53.215	49.645	304.202	21.399	0.13909	3.09945	8 X
K14SG9X	16.5	0.15	K20CH	40.234	71.263	283.573	14.964	0.11836	3.15180	6 X
K14SH8N	17.2	0.15	K20CH	16.023	281.847	124.070	2.096	0.17179	3.10408	10 X
K14SM1G	16.0	0.15	K20CH	30.675	95.944	260.520	23.932	0.30952	3.18751	4 X
K14SM1O	16.2	0.15	K20CH	84.631	74.595	236.343	25.571	0.24674	3.09218	6 X
K14SO3Q	15.9	0.15	K20CH	88.044	240.770	68.856	11.122	0.11749	3.12122	13 X
K14SO4K	15.5	0.15	K20CH	62.251	196.668	158.753	21.696	0.08780	3.08125	8 X

K14S08E	16.3	0.15	K20CH	32.230	262.778	109.917	10.861	0.22815	3.16151	7 X
K14SP4T	16.0	0.15	K20CH	291.810	238.020	270.285	5.255	0.06606	3.02566	11 X
K14SQ3C	16.4	0.15	K20CH	45.993	113.788	235.019	12.310	0.29701	3.19163	6 X
K14SS0R	16.0	0.15	K20CH	3.460	229.342	190.579	16.382	0.09840	3.18736	8 X
K14ST6G	16.6	0.15	K20CH	330.330	224.619	238.421	12.562	0.27582	3.09985	6 X
K14SX5D	15.9	0.15	K20CH	324.163	25.122	78.618	9.167	0.14458	3.19636	8 X
K14SZ2K	16.5	0.15	K20CH	62.010	160.771	187.371	12.318	0.13911	3.15073	4 X
K14Sa2G	16.7	0.15	K20CH	1.647	10.485	54.488	11.437	0.20211	3.13503	7 X
K14Sa7B	17.1	0.15	K20CH	351.340	241.759	198.602	15.506	0.20565	3.15729	3 X
K14Sc0B	16.3	0.15	K20CH	45.843	136.458	222.202	9.376	0.09339	3.19057	7 X
K14Sc7J	16.4	0.15	K20CH	7.274	359.879	49.808	33.111	0.07687	3.20634	2 V
K14Sc8X	18.3	0.15	K20CH	106.130	282.143	171.107	12.742	0.24219	2.64243	3 V
K14Sc8Y	17.7	0.15	K20CH	143.697	313.938	37.321	6.342	0.06409	2.79970	4 V
K14Sc8Z	18.5	0.15	K20CH	239.443	186.607	228.216	5.712	0.07355	2.30071	3 V
K14Sc9A	18.2	0.15	K20CH	3.591	338.479	267.805	6.085	0.16282	2.35441	3 V
K14Sc9B	17.8	0.15	K20CH	71.781	175.361	219.723	7.026	0.06897	2.83696	3 V
K14T02L	15.9	0.15	K20CH	79.757	22.138	308.736	9.684	0.06998	3.13747	11 X
K14T11H	15.7	0.15	K20CH	14.685	163.966	225.121	11.725	0.07756	3.24387	11 X
K14T16R	16.1	0.15	K20CH	334.921	136.583	316.630	17.659	0.12745	3.14904	7 X
K14T34J	17.7	0.15	K20CH	339.938	186.723	270.165	23.043	0.28687	2.12107	4 X
K14T39C	15.9	0.15	K20CH	8.213	198.417	214.430	16.926	0.19701	3.16484	13 X
K14T41C	15.8	0.15	K20CH	72.313	319.859	17.966	19.458	0.06127	3.17867	6 X
K14T49L	15.7	0.15	K20CH	28.993	6.119	18.949	22.131	0.02381	3.18131	5 X
K14T59C	16.2	0.15	K20CH	132.598	34.564	255.728	6.942	0.02878	3.20451	9 X
K14T67Z	16.5	0.15	K20CH	24.026	22.236	0.435	14.274	0.14673	3.21564	5 X
K14T90P	16.3	0.15	K20CH	50.698	108.076	257.085	7.629	0.08175	3.18139	8 X
K14T92F	17.3	0.15	K20CH	9.359	263.799	144.829	7.213	0.26438	3.21091	4 X
K14T98X	16.5	0.15	K20CH	30.347	76.793	293.731	15.047	0.12055	3.19961	4 X
K14TA6E	17.1	0.15	K20CH	10.709	288.408	124.881	3.663	0.11233	3.17821	4 X
K14TA7X	17.4	0.15	K20CH	56.084	242.783	123.268	2.082	0.16692	3.15904	2 V
K14TA7Y	17.0	0.15	K20CH	25.350	207.475	225.761	17.823	0.11742	3.14308	2 V
K14TA7Z	16.3	0.15	K20CH	87.423	49.646	262.685	17.078	0.18001	3.18520	2 V
K14U02Q	16.8	0.15	K20CH	41.275	104.653	259.268	8.618	0.23501	3.19262	4 X
K14U09D	18.0	0.15	K20CH	11.783	80.538	256.486	6.525	0.26495	2.16684	6 X
K14U24K	16.5	0.15	K20CH	45.096	312.163	63.444	19.974	0.12702	3.21840	2 X
K14U31Y	15.9	0.15	K20CH	321.125	94.567	23.933	25.807	0.22341	3.20665	7 X
K14U68M	16.1	0.15	K20CH	64.122	287.676	49.466	26.379	0.21106	3.19906	6 X
K14UB20	16.0	0.15	K20CH	64.006	291.485	56.571	15.495	0.12282	3.15638	8 X
K14UE5B	16.5	0.15	K20CH	335.565	330.962	72.583	6.617	0.03231	3.43134	6 V
K14UG8T	15.9	0.15	K20CH	51.455	112.926	257.962	11.317	0.05417	3.24102	7 X
K14UH5S	19.4	0.15	K20CH	39.981	65.418	252.135	4.632	0.27345	2.13935	3 X
K14UH7D	16.5	0.15	K20CH	352.924	33.235	40.602	27.598	0.16384	3.21612	4 X
K14UJ3W	16.5	0.15	K20CH	122.305	239.039	56.255	6.940	0.09838	3.13318	10 X
K14UL2V	16.4	0.15	K20CH	62.126	274.179	64.747	10.696	0.22270	3.17360	6 X
K14UL4C	16.3	0.15	K20CH	74.608	260.132	60.023	25.840	0.25630	3.15544	6 X
K14UQ1H	16.4	0.15	K20CH	235.166	146.275	49.646	10.804	0.07593	3.13033	6 X
K14UQ5C	17.6	0.15	K20CH	123.232	65.218	261.912	3.787	0.13501	3.02419	4 V
K14UQ5D	17.5	0.15	K20CH	29.350	116.157	289.847	3.697	0.16485	3.15177	2 V
K14UQ5E	17.6	0.15	K20CH	54.118	63.086	327.085	4.850	0.15363	3.07468	2 V
K14UQ5F	17.4	0.15	K20CH	77.173	114.446	259.560	8.732	0.14990	3.06001	2 V
K14UQ5G	17.4	0.15	K20CH	59.423	8.681	28.350	10.123	0.08705	3.05622	2 V
K14UQ5H	17.2	0.15	K20CH	90.591	230.950	107.804	8.195	0.24307	3.07871	2 V
K14UQ5J	17.2	0.15	K20CH	84.395	66.972	314.037	8.829	0.04941	3.02435	2 V
K14UQ5K	16.9	0.15	K20CH	72.919	90.833	281.619	10.000	0.11951	3.11410	3 V
K14V180	16.7	0.15	K20CH	4.506	34.452	19.508	16.810	0.20657	3.18311	4 X
K14V41H	16.5	0.15	K20CH	22.807	306.181	83.981	21.009	0.15679	3.24674	5 X
K14W05N	17.8	0.15	K20CH	327.938	121.355	37.832	28.223	0.19263	1.98332	6 X
K14WB4G	16.1	0.15	K20CH	47.737	33.687	318.793	15.456	0.11791	3.16132	7 X
K14WB6M	17.0	0.15	K20CH	13.351	304.733	105.300	2.273	0.16410	3.16160	6 X
K14WN1S	16.3	0.15	K20CH	22.374	183.047	211.045	20.625	0.11799	3.16200	7 X
K14WN70	15.8	0.15	K20CH	174.365	359.339	251.222	17.241	0.11397	3.08513	10 X
K14WO2A	16.3	0.15	K20CH	11.372	98.112	291.718	15.518	0.19517	3.13420	7 X
K14WO2Z	16.2	0.15	K20CH	10.170	183.527	219.942	16.702	0.08201	3.07006	10 X
K14WO9L	16.0	0.15	K20CH	355.473	349.527	74.690	9.895	0.14350	3.16446	10 X
K14WV0F	16.5	0.15	K20CH	38.077	302.649	78.976	10.435	0.07551	3.16801	8 X
K14WV2P	16.0	0.15	K20CH	127.825	214.789	67.678	11.635	0.06818	3.15007	6 X
K14WV4R	16.2	0.15	K20CH	18.707	326.204	65.617	12.971	0.07953	3.21404	9 X
K14WZ6K	17.1	0.15	K20CH	90.670	83.602	260.971	15.294	0.23943	3.06703	3 V
K14Wa0B	17.5	0.15	K20CH	19.387	31.154	297.703	7.140	0.19857	2.20348	10 X
K14Wa4Q	20.1	0.15	K20CH	30.590	321.322	69.940	30.301	0.17615	1.60328	4 X
K14Wd9E	16.2	0.15	K20CH	18.649	291.174	107.686	14.219	0.14736	3.21317	9 X
K14Ww3P	16.9	0.15	K20CH	58.393	269.758	149.437	19.598	0.09819	3.03315	5 V
K14Ww3Q	17.7	0.15	K20CH	59.029	309.137	212.904	15.122	0.26364	2.74699	3 V
K14Ww3R	17.9	0.15	K20CH	110.377	203.821	263.788	4.566	0.11356	2.64852	5 V
K14Ww3S	17.7	0.15	K20CH	46.029	76.015	80.764	9.787	0.11010	2.74011	5 V
K14Ww3T	19.2	0.15	K20CH	50.274	82.298	88.093	24.254	0.02463	1.84393	3 V
K14Ww3U	17.9	0.15	K20CH	86.756	40.268	136.156	14.894	0.08845	2.54817	4 V
K14Ww3V	16.5	0.15	K20CH	38.836	193.804	227.509	15.709	0.10436	3.19738	5 V
K14Ww3W	16.7	0.15	K20CH	117.052	243.894	90.108	12.645	0.06413	3.17718	6 V
K14Ww3X	17.7	0.15	K20CH	108.821	44.785	321.512	10.919	0.13857	2.96679	4 V
K14Ww3Z	17.9	0.15	K20CH	65.769	290.112	249.099	11.907	0.11534	2.58025	3 V
K14Ww4A	18.2	0.15	K20CH	311.381	266.404	80.727	5.032	0.13226	2.36988	5 V
K14Ww4B	17.2	0.15	K20CH	66.702	101.514	274.486	10.678	0.12177	3.16045	2 V
K14Ww4C	17.9	0.15	K20CH	117.595	145.903	257.811	17.977	0.11271	1.94253	2 V
K14Ww4D	17.0	0.15	K20CH	87.598	169.156	171.002	9.730	0.07118	3.10731	2 V
K14Ww4E	18.4	0.15	K20CH	143.760	38.487	45.947	17.870	0.14815	2.59853	2 V
K14Ww4F	17.8	0.15	K20CH	230.738	268.260	90.590	17.183	0.20409	2.55118	2 V
K14Ww4G	18.6	0.15	K20CH	131.373	153.279	19.417	2.758	0.13816	2.47631	2 V
K14X31Q	15.8	0.15	K20CH	2.975	139.511	274.512	28.771	0.18643	3.17058	5 X
K14X52E	17.7	0.15	K20CH	90.460	108.732	22.830	12.588	0.16226	2.77294	3 V
K14X52F	17.7	0.15	K20CH	103.682	273.301	177.325	13.960	0.34602	2.85897	4 V
K14X52H	17.7	0.15	K20CH	47.397	290.805	162.456	2.009	0.20209	3.06508	3 V
K14Y84J	17.4	0.15	K20CH	69.514	24.853	29.766	1.658	0.14294	3.05315	5 V

K14Y84L	18.9	0.15	K20CH	108.171	204.026	273.660	19.664	0.06900	1.84524	4 V
K14Y84M	18.1	0.15	K20CH	158.842	217.892	175.488	11.023	0.12134	2.71868	2 V
K14Y84N	16.8	0.15	K20CH	107.296	49.175	276.005	17.638	0.08868	3.18833	2 V
K14Y84O	17.5	0.15	K20CH	165.192	297.594	93.497	5.564	0.09138	2.74151	3 V
K14Y84P	18.6	0.15	K20CH	202.094	31.475	106.990	7.065	0.22955	2.36880	2 V
K15AU1S	17.8	0.15	K20CH	54.700	81.586	128.449	15.794	0.04263	2.51626	8 V
K15AUL1T	17.3	0.15	K20CH	356.818	258.821	304.775	11.883	0.06677	2.87120	4 V
K15B04F	20.4	0.15	K20CH	357.030	207.848	238.875	5.792	0.43043	2.07098	6 X
K15BG9B	18.6	0.15	K20CH	38.687	270.574	101.821	4.135	0.14026	2.18815	7 X
K15BM9B	17.6	0.15	K20CH	12.785	18.689	314.468	5.749	0.12919	2.32093	11 X
K15B18M	18.3	0.15	K20CH	54.835	104.480	250.240	3.868	0.18636	2.19049	6 X
K15B18W	17.6	0.15	K20CH	68.166	5.595	305.276	24.243	0.24997	2.30693	4 X
K15Bm7A	18.1	0.15	K20CH	25.912	52.015	159.063	8.727	0.12402	2.81517	3 V
K15Bt9S	18.6	0.15	K20CH	331.011	211.413	192.976	4.911	0.18612	2.23657	6 V
K15Bz8F	17.0	0.15	K20CH	39.988	319.858	113.699	11.255	0.05359	3.11877	4 V
K15Bz8G	18.1	0.15	K20CH	126.330	88.909	313.754	13.324	0.16269	2.89209	4 V
K15Bz8H	18.7	0.15	K20CH	147.282	144.758	273.271	18.199	0.09168	1.91528	3 V
K15Bz8J	17.5	0.15	K20CH	207.192	295.756	162.796	22.252	0.09517	2.59548	2 V
K15Bz8K	18.2	0.15	K20CH	199.001	1.268	61.753	8.526	0.33847	2.60120	2 V
K15Bz8L	18.1	0.15	K20CH	170.039	5.220	133.466	17.848	0.10625	2.59644	2 V
K15C05Z	17.4	0.15	K20CH	39.692	357.578	305.798	1.628	0.13270	2.38452	9 X
K15C75A	17.4	0.15	K20CH	78.184	138.235	342.110	16.817	0.14374	2.98029	3 V
K15C75B	18.4	0.15	K20CH	21.810	306.270	72.983	8.476	0.13083	2.22802	2 V
K15D1J1K	17.9	0.15	K20CH	42.338	270.664	83.931	7.441	0.26149	2.27428	8 X
K15DR9L	18.0	0.15	K20CH	43.340	174.535	44.939	9.239	0.12988	2.71757	3 V
K15DR9M	17.1	0.15	K20CH	259.779	295.913	344.661	7.733	0.01057	3.10037	5 V
K15DR9O	17.1	0.15	K20CH	77.893	38.408	106.579	15.712	0.11573	2.98063	4 V
K15DR9P	17.6	0.15	K20CH	47.859	182.059	41.659	4.491	0.03748	2.76240	5 V
K15DR9Q	17.8	0.15	K20CH	52.167	171.734	57.760	5.744	0.04684	2.72189	4 V
K15DR9R	16.5	0.15	K20CH	326.988	267.515	335.358	24.500	0.19618	3.21200	3 V
K15DR9S	17.7	0.15	K20CH	46.811	209.864	6.596	17.147	0.13034	2.68303	3 V
K15DR9T	17.5	0.15	K20CH	55.158	46.174	99.660	12.794	0.20348	3.13568	3 V
K15DR9U	17.4	0.15	K20CH	308.455	54.704	265.652	3.242	0.06386	2.80938	5 V
K15DR9V	17.5	0.15	K20CH	74.306	284.102	170.931	7.873	0.20388	3.12611	4 V
K15DR9W	17.3	0.15	K20CH	293.101	155.108	104.322	10.582	0.01957	3.06770	5 V
K15DR9X	17.1	0.15	K20CH	248.071	292.846	78.696	13.241	0.00872	2.69561	7 V
K15DR9Y	16.5	0.15	K20CH	84.749	33.281	67.657	20.569	0.22363	3.12676	2 V
K15DR9Z	19.2	0.15	K20CH	164.949	56.861	150.507	1.624	0.14118	2.42260	2 V
K15DS0A	17.8	0.15	K20CH	131.738	75.022	83.067	13.033	0.13462	2.56923	2 V
K15E77Q	18.1	0.15	K20CH	9.457	13.362	39.010	25.224	0.19521	2.23544	2 X
K15E77U	17.2	0.15	K20CH	96.262	19.375	64.787	16.955	0.14229	2.97111	3 V
K15E77V	17.4	0.15	K20CH	186.145	335.489	143.384	22.096	0.05630	2.63155	2 V
K15F55X	17.4	0.15	K20CH	356.242	58.352	306.620	22.021	0.23664	2.33391	6 X
K15F84R	17.4	0.15	K20CH	182.332	5.030	238.280	6.136	0.11783	2.26823	9 X
K15FA6P	17.2	0.15	K20CH	4.677	101.834	248.514	4.044	0.15731	2.51143	9 X
K15FO6E	16.6	0.15	K20CH	12.998	152.961	171.843	29.756	0.22677	2.61875	7 X
K15FQ3S	17.8	0.15	K20CH	350.417	41.840	38.575	5.124	0.10257	2.20792	7 X
K15FU2G	17.2	0.15	K20CH	4.205	121.481	147.210	10.041	0.20698	2.98610	2 V
K15FW4L	17.3	0.15	K20CH	56.424	47.617	112.238	10.755	0.19067	3.02378	4 V
K15Fb4G	17.2	0.15	K20CH	103.104	279.098	32.781	6.649	0.11713	2.39194	12 X
K15Fd0U	17.0	0.15	K20CH	348.680	29.596	345.369	14.498	0.13182	2.46635	6 X
K15Fh8X	16.1	0.15	K20CH	109.880	47.764	70.108	19.778	0.13850	3.10690	4 V
K15Fh8Y	18.1	0.15	K20CH	14.863	197.968	56.004	2.687	0.16985	2.87925	3 V
K15Fh8Z	17.5	0.15	K20CH	16.609	17.760	214.480	6.647	0.17330	2.98341	4 V
K15Fh9A	17.6	0.15	K20CH	321.107	122.782	187.686	1.612	0.05519	2.84285	6 V
K15Fh9B	17.6	0.15	K20CH	24.503	62.845	138.927	6.712	0.18436	3.07221	5 V
K15Fh9C	17.3	0.15	K20CH	185.656	316.544	122.129	7.421	0.04099	2.89239	4 V
K15Fh9D	17.4	0.15	K20CH	9.683	203.402	23.060	11.601	0.10671	2.99828	4 V
K15Fh9E	17.4	0.15	K20CH	5.913	141.490	99.014	8.438	0.16645	2.99250	3 V
K15Fh9F	16.9	0.15	K20CH	1.768	266.871	317.572	14.677	0.18284	3.13672	4 V
K15Fh9G	17.5	0.15	K20CH	70.455	159.885	344.860	6.092	0.13811	3.02522	3 V
K15Fh9H	17.3	0.15	K20CH	54.581	180.669	338.948	10.605	0.02952	2.98122	4 V
K15Fh9J	16.2	0.15	K20CH	97.168	357.618	106.890	13.158	0.05799	3.09266	2 V
K15Fh9K	18.6	0.15	K20CH	164.303	335.121	154.915	8.459	0.23748	2.65486	2 V
K15Fh9L	18.6	0.15	K20CH	163.195	72.273	203.494	5.566	0.18894	2.28963	2 V
K15Fh9M	17.5	0.15	K20CH	142.093	358.075	184.511	21.819	0.03851	2.70405	2 V
K15Fh9N	18.1	0.15	K20CH	102.418	176.543	111.926	7.772	0.23229	2.52099	2 V
K15Fh9O	18.4	0.15	K20CH	105.885	269.957	358.570	6.439	0.11235	2.45590	3 V
K15G65C	17.0	0.15	K20CH	13.408	57.343	155.884	19.506	0.12106	3.14750	5 V
K15G65D	16.8	0.15	K20CH	90.480	314.307	193.976	10.291	0.06031	2.94353	6 V
K15G65F	16.7	0.15	K20CH	32.266	337.972	292.535	24.110	0.11279	2.73480	3 V
K15H03C	16.7	0.15	K20CH	32.715	338.043	319.137	13.335	0.25730	2.63695	8 X
K15H39V	16.3	0.15	K20CH	241.675	286.659	184.945	15.037	0.09801	2.53245	12 X
K15H58E	17.0	0.15	K20CH	28.056	47.337	252.729	7.819	0.22235	2.78261	5 X
K15HH1W	16.9	0.15	K20CH	177.951	337.941	269.896	6.015	0.09613	2.29317	11 X
K15HL5M	17.4	0.15	K20CH	355.127	109.457	167.702	6.076	0.01529	2.92234	7 V
K15HL7J	16.8	0.15	K20CH	341.796	276.178	320.536	9.566	0.07077	3.18947	5 V
K15HL7K	17.2	0.15	K20CH	10.391	73.187	145.722	6.772	0.05806	3.06820	3 V
K15HL7L	18.5	0.15	K20CH	46.722	125.549	101.439	24.183	0.06178	1.90279	4 V
K15J23H	17.6	0.15	K20CH	86.403	70.330	83.152	7.032	0.10624	3.02217	4 V
K15J23J	17.4	0.15	K20CH	334.608	115.779	249.496	11.543	0.16300	2.75224	2 V
K15K19V	16.4	0.15	K20CH	50.394	45.685	246.768	10.783	0.17195	2.72264	10 X
K15K58Y	17.5	0.15	K20CH	120.913	188.577	95.770	5.408	0.13893	2.44251	11 X
K15K69H	17.3	0.15	K20CH	1.315	145.246	193.654	15.127	0.14285	2.70044	6 X
K15KC1B	17.4	0.15	K20CH	57.313	13.907	309.824	12.522	0.29941	2.57569	5 X
K15KC5O	17.3	0.15	K20CH	3.556	289.195	134.268	4.661	0.12277	2.33392	12 X
K15KD1U	16.8	0.15	K20CH	85.065	227.796	71.410	15.122	0.27353	2.65908	5 X
K15KI4L	18.1	0.15	K20CH	50.233	250.316	109.246	8.084	0.15655	2.48465	5 X
K15KI7C	17.8	0.15	K20CH	39.619	272.260	91.791	13.707	0.20832	2.54492	3 X
K15KJ6K	17.5	0.15	K20CH	16.808	136.437	111.194	7.869	0.07964	3.00867	3 V
K15KJ6L	17.8	0.15	K20CH	354.053	204.406	93.208	12.847	0.12787	2.90462	3 V
K15KJ6M	17.3	0.15	K20CH	57.700	120.181	92.799	10.828	0.06155	2.99792	3 V
K15KJ6N	17.2	0.15	K20CH	29.776	171.168	59.035	10.244	0.07712	3.04752	5 V

K15KJ60	16.8	0.15	K20CH	21.418	285.488	271.847	14.342	0.16894	3.17799	4 V
K15KJ6P	17.3	0.15	K20CH	314.352	260.381	71.260	9.618	0.24795	3.06164	2 V
K15KJ6Q	18.6	0.15	K20CH	142.901	174.642	135.174	6.902	0.12007	2.36399	2 V
K15L15F	16.7	0.15	K20CH	139.074	21.843	253.819	12.890	0.19790	2.47831	12 X
K15L19Q	17.9	0.15	K20CH	228.358	113.825	89.987	5.971	0.06649	2.39310	8 X
K15L30W	17.0	0.15	K20CH	45.262	248.243	112.815	9.379	0.19770	2.65877	7 X
K15L54W	16.9	0.15	K20CH	21.448	0.665	225.630	8.630	0.02919	3.16888	7 V
K15L54X	16.7	0.15	K20CH	310.711	66.189	242.959	13.346	0.06879	3.14859	5 V
K15M03L	17.0	0.15	K20CH	85.512	244.808	67.003	14.860	0.16820	2.62146	6 X
K15M12F	17.0	0.15	K20CH	41.492	283.212	87.956	12.726	0.13508	2.59015	5 X
K15M86Z	17.3	0.15	K20CH	99.771	22.441	276.934	12.895	0.07831	2.61084	7 X
K15MC8P	16.5	0.15	K20CH	105.518	320.365	325.901	13.709	0.09955	2.66207	10 X
K15ME4Y	17.3	0.15	K20CH	58.059	71.736	281.843	4.903	0.16503	2.68256	6 X
K15MG2W	17.5	0.15	K20CH	8.979	305.137	102.685	9.958	0.30784	2.68391	3 X
K15MG3U	17.2	0.15	K20CH	113.965	234.861	58.799	13.199	0.17874	2.56189	5 X
K15MH4X	16.9	0.15	K20CH	355.990	122.290	160.972	10.783	0.07643	3.18414	7 V
K15MH4Y	18.6	0.15	K20CH	155.127	176.327	191.091	6.399	0.14645	2.27272	5 V
K15MH4Z	16.5	0.15	K20CH	68.437	82.365	127.447	10.291	0.02368	3.17121	8 V
K15MH5A	18.6	0.15	K20CH	172.744	224.451	99.735	6.964	0.13875	2.30530	3 V
K15MH5B	17.4	0.15	K20CH	31.619	68.464	286.383	13.581	0.16276	2.86640	3 V
K15MH5C	17.2	0.15	K20CH	341.470	194.531	107.518	18.837	0.18078	3.17742	4 V
K15MH5D	17.9	0.15	K20CH	60.852	219.446	92.580	5.281	0.07631	2.73765	4 V
K15MH5E	17.9	0.15	K20CH	32.280	53.865	303.991	1.602	0.10728	2.70323	3 V
K15MH5F	17.3	0.15	K20CH	29.339	167.078	81.104	2.517	0.13076	3.15527	6 V
K15MH5G	16.5	0.15	K20CH	310.656	174.779	164.790	11.192	0.10624	3.17715	3 V
K15MH5H	17.6	0.15	K20CH	27.094	66.399	137.606	26.720	0.26232	3.16719	3 V
K15MH5J	17.7	0.15	K20CH	118.158	109.736	190.587	14.667	0.13863	2.55269	2 V
K15MH5K	18.0	0.15	K20CH	320.544	218.371	153.658	2.594	0.06358	2.94323	2 V
K15MH5L	18.1	0.15	K20CH	144.670	205.280	85.099	6.705	0.23447	2.49772	2 V
K15N03C	16.1	0.15	K20CH	152.269	317.295	290.299	31.422	0.20529	2.59597	6 X
K15N05V	16.7	0.15	K20CH	353.270	156.588	266.156	22.714	0.03121	2.62599	4 X
K15N21N	17.6	0.15	K20CH	53.985	107.923	234.584	9.221	0.27949	2.61517	5 X
K15N33J	16.9	0.15	K20CH	334.396	171.150	272.111	14.728	0.14952	2.66404	5 X
K15N34G	16.4	0.15	K20CH	355.694	65.648	180.907	16.326	0.16639	3.23600	7 V
K15N34H	17.6	0.15	K20CH	53.415	126.512	95.275	12.785	0.15037	2.97743	3 V
K15O24Z	17.3	0.15	K20CH	103.662	38.178	258.384	12.471	0.24941	2.64275	4 X
K15O27R	17.5	0.15	K20CH	37.214	235.826	142.123	9.390	0.14108	2.71374	5 X
K15O31Q	16.9	0.15	K20CH	72.095	213.753	123.180	13.974	0.13666	2.69694	8 X
K15O32F	17.0	0.15	K20CH	69.283	220.513	106.940	8.529	0.22600	2.73934	6 X
K15O32J	16.8	0.15	K20CH	55.803	231.986	108.397	10.350	0.22595	2.76504	9 X
K15O35A	17.0	0.15	K20CH	263.908	169.937	342.146	13.364	0.08940	2.60576	10 X
K15O41F	16.3	0.15	K20CH	125.330	294.226	335.521	13.812	0.10859	2.75520	8 X
K15O47L	16.4	0.15	K20CH	106.425	221.744	67.394	12.968	0.17934	2.62535	9 X
K15O67Z	16.9	0.15	K20CH	315.042	181.627	287.927	12.584	0.10337	2.55491	8 X
K15O74H	16.7	0.15	K20CH	92.282	331.026	329.031	13.761	0.17998	2.72240	6 X
K15O86B	17.5	0.15	K20CH	37.957	179.861	189.390	8.823	0.21568	2.79024	4 X
K15O92O	16.5	0.15	K20CH	347.014	77.630	281.417	7.561	0.11330	3.02553	8 X
K15O95E	16.8	0.15	K20CH	27.530	148.884	226.967	6.613	0.12148	2.70799	8 X
K15OAOG	17.2	0.15	K20CH	330.500	132.335	323.372	12.236	0.13177	2.72752	7 X
K15OC6U	16.5	0.15	K20CH	338.020	94.903	273.006	8.147	0.06357	3.06937	9 X
K15OD8M	17.4	0.15	K20CH	187.287	99.199	124.098	14.647	0.03017	2.60940	6 V
K15OD8N	17.4	0.15	K20CH	358.564	259.009	138.029	4.484	0.09896	2.79739	8 V
K15OD8O	17.1	0.15	K20CH	239.199	327.543	105.161	11.539	0.10225	3.07010	2 V
K15P27K	17.4	0.15	K20CH	22.182	326.119	72.767	3.267	0.14053	2.60852	7 X
K15P31S	17.2	0.15	K20CH	32.372	41.015	324.276	12.909	0.20522	2.78642	5 X
K15P33B	16.8	0.15	K20CH	92.322	83.210	245.346	13.111	0.05294	2.64311	8 X
K15P62C	16.5	0.15	K20CH	73.524	12.716	308.028	13.071	0.15511	2.80853	5 X
K15PF7G	16.9	0.15	K20CH	244.327	200.775	336.763	14.182	0.10124	2.56754	7 X
K15PI8X	17.8	0.15	K20CH	32.318	304.412	65.368	5.298	0.12498	2.72932	3 V
K15PL5D	17.0	0.15	K20CH	69.910	96.225	250.448	10.602	0.13556	2.67015	6 X
K15PL7N	17.3	0.15	K20CH	333.798	233.942	228.393	12.615	0.22381	2.67740	4 V
K15PT0N	16.5	0.15	K20CH	77.490	317.673	2.190	15.343	0.13874	2.72596	8 X
K15PT5B	17.9	0.15	K20CH	20.882	354.308	38.382	6.585	0.26951	2.79483	3 X
K15PV6T	17.4	0.15	K20CH	39.776	339.380	39.628	5.930	0.12721	2.70959	7 X
K15PY0D	18.9	0.15	K20CH	112.208	45.052	331.567	14.399	0.13370	2.41517	2 V
K15PY0E	16.8	0.15	K20CH	53.986	113.497	287.336	29.705	0.26851	2.61945	2 V
K15Q04U	16.8	0.15	K20CH	29.640	65.697	318.427	11.871	0.04480	2.67914	8 X
K15Q16T	17.1	0.15	K20CH	2.132	78.829	341.339	8.443	0.11868	2.73191	8 X
K15Q19Y	18.1	0.15	K20CH	15.715	224.390	176.041	9.908	0.30310	2.80014	4 X
K15Q30A	17.5	0.15	K20CH	39.104	10.643	343.149	5.869	0.03724	2.75052	4 V
K15Q30B	17.7	0.15	K20CH	10.189	241.682	149.185	3.222	0.07423	2.72498	5 V
K15R10V	17.0	0.15	K20CH	7.688	79.017	320.131	13.734	0.07133	2.70586	5 X
K15R16W	16.9	0.15	K20CH	42.484	108.827	274.305	5.378	0.02340	2.70294	9 X
K15R17H	16.1	0.15	K20CH	31.994	71.884	228.306	8.377	0.08552	3.13784	9 X
K15R52V	16.2	0.15	K20CH	278.938	256.117	187.451	10.725	0.18608	3.12600	7 X
K15R65B	17.1	0.15	K20CH	292.707	334.272	171.736	11.922	0.11224	2.68756	7 X
K15R87S	15.5	0.15	K20CH	57.832	328.160	299.097	8.330	0.06277	3.17366	11 X
K15R89G	17.3	0.15	K20CH	7.182	51.477	293.753	3.879	0.33936	3.03847	5 X
K15RA2E	16.2	0.15	K20CH	351.366	174.251	179.503	10.952	0.22048	3.13690	10 X
K15RB5R	17.1	0.15	K20CH	53.452	230.491	114.336	8.913	0.23024	2.80514	10 X
K15RB7Y	16.7	0.15	K20CH	29.052	138.083	250.893	12.082	0.17176	2.69374	8 X
K15RC3O	17.4	0.15	K20CH	62.378	24.950	317.901	2.355	0.18887	2.75758	6 X
K15RI8W	17.1	0.15	K20CH	23.905	146.944	247.576	12.338	0.16689	2.67997	4 X
K15RL2O	16.9	0.15	K20CH	85.878	344.707	330.823	13.650	0.11412	2.68545	7 X
K15RM5E	17.6	0.15	K20CH	31.708	305.344	80.656	5.365	0.11317	2.79851	3 X
K15RN4F	18.1	0.15	K20CH	355.448	302.393	135.673	7.908	0.35782	2.89879	2 X
K15RP7X	17.5	0.15	K20CH	304.955	184.718	300.725	2.229	0.04104	2.74282	6 X
K15RP9Z	16.9	0.15	K20CH	251.182	227.532	321.695	3.654	0.14370	2.65801	10 X
K15RR7P	17.8	0.15	K20CH	324.938	270.448	204.096	2.898	0.17484	2.77354	6 X
K15RV7F	17.9	0.15	K20CH	48.838	111.606	175.236	3.843	0.24461	3.02893	4 X
K15RV8V	17.2	0.15	K20CH	16.213	135.049	184.786	8.028	0.04285	2.96732	5 X
K15RW4J	17.7	0.15	K20CH	359.250	14.272	6.061	12.054	0.07423	2.89641	3 V
K15RW4K	17.5	0.15	K20CH	42.022	160.602	168.755	10.414	0.08158	2.91953	6 V

K15RW4M	18.7	0.15	K20CH	73.754	43.111	323.155	8.188	0.15370	2.61293	2 V
K15RW4N	18.0	0.15	K20CH	70.115	34.642	318.717	5.386	0.02406	2.70699	2 V
K15S01F	19.2	0.15	K20CH	52.849	333.753	352.160	21.290	0.02897	1.85480	4 V
K15S02K	18.4	0.15	K20CH	55.588	313.543	28.486	34.763	0.22664	1.85286	4 X
K15S19A	17.5	0.15	K20CH	66.077	279.508	58.875	8.438	0.23839	2.77021	5 X
K15S25U	16.0	0.15	K20CH	345.503	172.862	174.288	17.482	0.02947	3.19993	9 X
K15S29B	17.0	0.15	K20CH	353.539	120.270	315.985	3.429	0.16690	2.92536	8 X
K15S29V	16.5	0.15	K20CH	350.779	31.291	42.993	12.015	0.04431	2.97567	5 X
K15S44R	18.4	0.15	K20CH	1.930	325.817	44.998	7.003	0.28585	3.00067	3 V
K15T10B	16.3	0.15	K20CH	335.060	128.235	255.101	10.735	0.08699	2.99975	7 X
K15T31K	17.8	0.15	K20CH	349.771	323.746	116.808	12.586	0.15597	2.71860	7 X
K15T41N	17.2	0.15	K20CH	358.415	348.687	70.611	9.144	0.21036	2.79567	5 X
K15T480	17.6	0.15	K20CH	10.274	169.791	243.401	4.120	0.15043	2.74879	5 X
K15T48W	17.2	0.15	K20CH	19.902	165.190	236.798	3.930	0.10178	2.73305	8 X
K15T76T	16.9	0.15	K20CH	357.495	320.518	40.830	2.522	0.28758	3.13085	5 X
K15T81K	17.8	0.15	K20CH	24.325	159.501	231.759	7.300	0.19047	2.89665	4 X
K15T95B	17.0	0.15	K20CH	311.686	51.177	17.626	11.482	0.06172	3.11772	5 V
K15TA9C	16.2	0.15	K20CH	276.824	257.291	173.548	10.559	0.10817	3.43906	8 X
K15TE8Z	17.2	0.15	K20CH	48.993	61.033	302.391	1.824	0.15382	2.78009	7 X
K15TH7H	17.9	0.15	K20CH	10.878	315.477	62.045	10.157	0.25693	3.00020	2 V
K15TJ3A	17.1	0.15	K20CH	0.104	225.837	199.999	11.720	0.18633	2.80777	7 X
K15TJ7B	15.7	0.15	K20CH	260.360	130.584	334.554	13.808	0.18631	3.20773	10 X
K15TJ9Z	16.3	0.15	K20CH	309.402	60.015	352.530	11.804	0.14728	3.15739	6 X
K15TL4K	16.6	0.15	K20CH	150.325	27.421	235.510	3.313	0.02169	2.77884	11 X
K15TN5Q	16.1	0.15	K20CH	2.740	330.554	80.753	7.269	0.05680	2.87902	15 X
K15TN7H	17.0	0.15	K20CH	326.749	275.440	164.153	22.914	0.48152	3.09912	4 X
K15TN8V	18.6	0.15	K20CH	75.087	304.601	31.816	24.338	0.06378	1.82364	5 X
K15TP3U	16.4	0.15	K20CH	6.981	211.727	128.086	3.303	0.13624	3.19558	8 X
K15TQ7W	17.2	0.15	K20CH	338.029	101.422	346.926	11.197	0.11294	2.78762	6 X
K15TS3N	17.1	0.15	K20CH	21.311	59.161	345.400	3.450	0.07434	2.76489	8 X
K15TV5J	16.5	0.15	K20CH	358.568	14.043	330.222	22.893	0.27351	3.12150	3 X
K15TW1N	16.8	0.15	K20CH	11.916	129.037	202.696	5.114	0.24948	3.17512	5 X
K15TW8H	16.2	0.15	K20CH	335.145	25.024	69.895	17.451	0.05707	2.79616	11 X
K15TX9Y	16.5	0.15	K20CH	326.609	73.902	22.370	22.345	0.06084	2.67150	8 X
K15Td2M	17.2	0.15	K20CH	106.530	249.590	54.086	15.583	0.15559	2.83826	4 X
K15Td7F	19.1	0.15	K20CH	1.225	54.077	16.394	20.990	0.10504	1.80133	3 X
K15Tg9Q	17.1	0.15	K20CH	329.110	173.420	272.745	14.116	0.10599	2.88407	5 X
K15Tg9W	19.7	0.15	K20CH	40.066	337.515	40.029	22.565	0.10513	1.83137	2 X
K15Th2U	18.1	0.15	K20CH	34.432	100.226	228.730	14.155	0.25393	3.04489	3 V
K15Th2V	17.6	0.15	K20CH	36.130	353.273	343.753	0.550	0.15633	3.04772	4 V
K15Th2W	17.0	0.15	K20CH	327.213	212.902	206.537	3.903	0.03682	3.08640	7 V
K15Th2Y	17.4	0.15	K20CH	29.617	138.233	214.823	10.152	0.10598	2.99991	5 V
K15Th3A	17.1	0.15	K20CH	333.630	91.505	327.306	11.705	0.14452	3.07490	4 V
K15Th3B	17.3	0.15	K20CH	348.145	37.136	3.560	13.979	0.14001	3.09027	4 V
K15Th3C	17.1	0.15	K20CH	59.328	194.098	125.241	10.481	0.06706	3.02518	6 V
K15Th3D	17.4	0.15	K20CH	359.926	320.103	34.507	5.739	0.25858	3.11449	3 V
K15Th3E	17.7	0.15	K20CH	326.889	222.673	205.056	5.774	0.08393	2.94372	4 V
K15Th3G	18.2	0.15	K20CH	71.826	320.555	34.098	2.119	0.10143	2.73211	2 V
K15U09G	17.0	0.15	K20CH	288.992	92.120	49.467	5.647	0.03575	2.74401	9 X
K15U67V	17.4	0.15	K20CH	353.923	149.400	296.690	20.367	0.46950	2.99938	2 X
K15U87K	16.7	0.15	K20CH	339.879	237.606	217.560	12.876	0.24140	2.99768	7 X
K15V05N	16.8	0.15	K20CH	28.546	316.420	70.270	16.413	0.19916	2.83490	7 X
K15V51G	16.6	0.15	K20CH	346.523	43.019	27.086	25.235	0.12236	2.84809	7 X
K15V63T	16.3	0.15	K20CH	62.286	12.833	329.510	10.764	0.12397	2.87892	9 X
K15V84N	16.7	0.15	K20CH	40.136	289.827	71.479	11.391	0.16810	2.89189	6 X
K15V90H	16.6	0.15	K20CH	9.694	30.295	308.610	3.962	0.22590	3.16398	5 X
K15VA4Y	19.2	0.15	K20CH	19.531	4.018	38.636	21.943	0.16906	1.84565	5 X
K15VC4W	16.8	0.15	K20CH	29.889	292.742	95.207	5.781	0.14930	2.80433	9 X
K15VJ6T	17.1	0.15	K20CH	352.581	14.140	43.252	8.563	0.17260	3.00784	7 V
K15VJ7E	17.3	0.15	K20CH	7.726	332.087	32.121	11.264	0.07727	3.13378	3 V
K15VJ7F	17.0	0.15	K20CH	59.178	125.669	197.662	10.511	0.04841	3.06940	4 V
K15VJ7G	17.1	0.15	K20CH	21.373	59.038	297.702	8.619	0.11728	3.01640	6 V
K15VJ7H	17.7	0.15	K20CH	25.369	276.493	67.248	5.891	0.15828	3.08007	3 V
K15VJ7J	17.8	0.15	K20CH	24.050	133.784	216.553	3.921	0.13621	3.06995	3 V
K15VJ7K	17.5	0.15	K20CH	140.576	41.846	270.954	12.975	0.17359	2.59960	2 V
K15W02F	17.8	0.15	K20CH	27.804	324.263	20.036	19.654	0.53625	2.97463	2 X
K15W32N	17.5	0.15	K20CH	336.689	6.140	56.003	17.523	0.14518	3.07047	3 V
K15X00Y	18.3	0.15	K20CH	94.527	86.516	228.820	20.201	0.08989	1.87688	5 X
K15X56A	16.1	0.15	K20CH	25.642	312.817	76.707	14.557	0.17967	2.97807	11 X
K15X61Z	16.8	0.15	K20CH	52.917	116.306	226.649	13.257	0.18327	3.01232	6 X
K15X65K	17.1	0.15	K20CH	5.236	194.985	206.195	12.615	0.17750	3.02210	2 V
K15X68K	16.8	0.15	K20CH	57.039	207.395	138.224	8.730	0.20366	2.93715	6 X
K15X69W	15.9	0.15	K20CH	347.605	151.616	282.657	15.694	0.10824	3.09545	8 X
K15X78K	16.1	0.15	K20CH	32.939	165.948	219.340	19.876	0.07846	2.98687	8 X
K15X91L	17.3	0.15	K20CH	40.281	148.436	207.763	8.689	0.14602	3.01503	2 V
K15XA5F	17.1	0.15	K20CH	43.517	277.418	81.331	27.549	0.22527	2.96446	3 X
K15XG0Z	16.8	0.15	K20CH	31.973	126.038	232.725	4.098	0.25241	2.99821	9 X
K15XI9Q	16.4	0.15	K20CH	327.194	6.081	88.476	19.658	0.03764	2.78318	12 X
K15XJ5D	15.9	0.15	K20CH	338.202	17.715	76.249	11.606	0.08230	2.97751	6 X
K15XJ5K	15.9	0.15	K20CH	247.746	292.831	251.980	7.211	0.06052	3.00301	10 X
K15XL5L	16.4	0.15	K20CH	52.312	280.790	75.827	12.759	0.06240	3.01845	7 X
K15X02X	17.1	0.15	K20CH	6.493	266.108	145.150	3.230	0.07684	3.00466	9 X
K15XQ2A	15.7	0.15	K20CH	358.850	50.906	301.501	17.647	0.14474	3.16995	8 X
K15XV0M	16.0	0.15	K20CH	73.135	270.329	70.091	12.653	0.12166	2.98236	10 X
K15XV4P	16.2	0.15	K20CH	44.523	281.639	72.300	10.267	0.14507	3.06342	9 X
K15Xb2F	16.2	0.15	K20CH	101.604	255.897	55.756	11.067	0.10695	3.02574	9 X
K15Xc0C	16.2	0.15	K20CH	347.274	96.636	338.035	14.584	0.24404	3.08810	10 X
K15Xc2G	15.7	0.15	K20CH	332.153	183.413	268.016	18.164	0.07513	3.03181	8 X
K15Xc3D	15.2	0.15	K20CH	237.261	274.194	267.207	21.978	0.14368	3.21726	7 X
K15Xc5B	18.9	0.15	K20CH	15.109	171.096	234.889	23.442	0.05436	1.86891	3 X
K15Xc7Q	18.7	0.15	K20CH	344.672	164.164	274.760	17.812	0.08925	1.95261	5 X
K15Xd5W	16.3	0.15	K20CH	330.321	116.895	337.025	14.835	0.14844	3.13833	7 X
K15Xe10	17.4	0.15	K20CH	0.658	17.615	54.837	12.616	0.25492	3.07394	4 X

K15Xh70	16.7	0.15	K20CH	274.093	276.726	255.627	14.371	0.18724	3.06228	3 X
K15Xi30	16.9	0.15	K20CH	102.912	64.970	252.704	9.040	0.02661	3.03574	8 X
K15Xi40	16.9	0.15	K20CH	53.199	125.230	240.646	9.292	0.07785	2.98260	6 X
K15Xj8D	17.0	0.15	K20CH	48.388	133.326	216.416	10.747	0.13454	2.98107	6 V
K15Xj8L	18.9	0.15	K20CH	329.568	9.991	87.499	23.559	0.10667	1.91557	4 V
K15Xj8M	17.1	0.15	K20CH	40.938	135.038	206.163	15.904	0.07245	3.03954	4 V
K15Xj8N	17.2	0.15	K20CH	22.696	279.238	72.725	11.725	0.09842	3.19180	3 V
K15Xj8O	16.7	0.15	K20CH	27.198	272.648	82.225	7.163	0.11395	3.19436	4 V
K15Xj8P	19.0	0.15	K20CH	114.605	32.805	49.311	2.227	0.16035	2.43301	2 V
K15Y08J	16.7	0.15	K20CH	337.412	196.897	263.928	6.998	0.17170	3.07294	4 X
K15Y26F	16.4	0.15	K20CH	358.900	128.178	288.016	15.276	0.21532	3.13833	5 X
K15Y33S	18.5	0.15	K20CH	313.756	212.744	262.301	18.226	0.09865	1.88260	5 X
K15Y33T	17.0	0.15	K20CH	346.716	133.724	292.599	15.492	0.21094	3.19899	3 V
K15Y34C	16.5	0.15	K20CH	24.236	271.965	101.539	14.678	0.15132	3.22031	4 V
K15Y34D	16.8	0.15	K20CH	318.070	104.271	353.505	15.866	0.28439	3.15780	2 V
K16A07T	15.7	0.15	K20CH	324.022	148.639	312.259	11.476	0.21519	3.17563	11 X
K16A24E	16.4	0.15	K20CH	330.122	335.568	121.670	10.286	0.06161	3.16914	7 X
K16A31Z	17.0	0.15	K20CH	344.327	219.439	219.026	2.938	0.18957	3.10166	7 X
K16A74N	15.9	0.15	K20CH	321.495	311.520	161.755	13.120	0.12476	3.22457	9 X
K16A80Z	16.2	0.15	K20CH	357.908	129.073	283.600	13.022	0.10656	3.20841	6 X
K16A91M	16.1	0.15	K20CH	355.446	93.091	265.131	14.169	0.24614	3.16184	6 X
K16AB1T	16.7	0.15	K20CH	336.213	357.408	96.429	5.079	0.26621	3.17641	6 X
K16AB5F	16.4	0.15	K20CH	31.820	309.516	77.722	10.425	0.08503	3.15908	10 X
K16AD7K	16.0	0.15	K20CH	355.842	176.856	253.799	12.229	0.04231	3.20409	7 X
K16AE1C	16.5	0.15	K20CH	356.442	208.897	226.347	7.463	0.17351	3.12694	9 X
K16AI9O	16.7	0.15	K20CH	44.022	231.776	113.218	10.909	0.32882	3.03247	6 X
K16AM7X	16.9	0.15	K20CH	13.804	245.818	160.888	1.426	0.16665	3.14885	7 X
K16AM8E	16.3	0.15	K20CH	317.249	209.835	262.753	10.598	0.05141	3.18790	7 X
K16AN3L	16.6	0.15	K20CH	4.215	110.116	297.689	14.824	0.21169	3.16550	6 X
K16AT6D	15.5	0.15	K20CH	153.122	353.781	260.609	26.494	0.14187	3.17248	6 X
K16AU4K	16.9	0.15	K20CH	336.473	34.280	68.434	13.153	0.19054	3.03119	4 X
K16AV1R	17.6	0.15	K20CH	347.814	291.579	156.710	6.142	0.30217	3.05275	5 X
K16AW4H	17.6	0.15	K20CH	352.902	98.286	331.295	11.852	0.28347	3.16661	2 X
K16AW4R	16.9	0.15	K20CH	350.250	95.035	334.052	9.882	0.15294	3.15754	5 V
K16AW4T	16.6	0.15	K20CH	19.197	104.193	271.703	24.587	0.26744	3.09926	5 X
K16AW4Y	16.9	0.15	K20CH	359.302	177.581	238.776	14.276	0.21196	3.16991	4 V
K16AW4Z	17.5	0.15	K20CH	337.658	114.962	317.030	8.017	0.17731	3.16467	4 V
K16AW5A	18.9	0.15	K20CH	331.499	132.444	283.809	18.145	0.08420	1.93208	2 V
K16AW5B	17.5	0.15	K20CH	8.862	308.578	82.364	15.254	0.26450	3.19402	2 V
K16B17X	16.8	0.15	K20CH	326.739	163.866	305.757	9.677	0.18949	3.13761	4 X
K16B21A	18.3	0.15	K20CH	308.672	253.187	225.627	17.365	0.06555	1.87081	5 X
K16B28E	17.3	0.15	K20CH	337.977	107.051	348.433	9.374	0.20429	3.14196	4 X
K16B49V	16.1	0.15	K20CH	326.957	153.587	299.420	11.463	0.04986	3.23665	9 X
K16BB9H	18.3	0.15	K20CH	103.023	77.366	18.583	1.141	0.03348	2.58802	2 V
K16C00G	15.9	0.15	K20CH	348.851	112.846	311.754	15.498	0.10549	3.23151	7 X
K16C74T	16.6	0.15	K20CH	350.639	15.129	56.966	13.074	0.19890	3.21115	3 X
K16C74X	16.5	0.15	K20CH	325.130	57.318	58.947	11.876	0.10675	3.17700	6 X
K16C89C	16.8	0.15	K20CH	339.212	55.640	50.357	10.315	0.21342	3.15592	6 X
K16CB9V	17.0	0.15	K20CH	0.661	255.134	170.853	10.637	0.25836	3.17002	4 X
K16CE4A	15.7	0.15	K20CH	305.698	9.247	109.694	10.639	0.06460	3.18501	10 X
K16CF2E	16.5	0.15	K20CH	9.526	88.267	310.566	14.805	0.19246	3.20993	4 X
K16CG1G	16.4	0.15	K20CH	12.932	85.795	310.650	24.486	0.22601	3.21760	3 X
K16CI4B	17.1	0.15	K20CH	341.539	280.468	171.913	9.880	0.21445	3.13588	6 X
K16CJ4V	18.0	0.15	K20CH	93.948	342.608	335.810	19.645	0.06761	1.96784	9 X
K16CL2S	15.4	0.15	K20CH	26.070	43.022	337.603	17.302	0.10257	3.55762	10 X
K16Ca0P	18.4	0.15	K20CH	81.495	128.325	357.935	12.693	0.19926	2.59033	2 V
K16D17J	18.2	0.15	K20CH	16.541	69.636	335.246	17.915	0.10600	1.93433	6 X
K16E40S	18.4	0.15	K20CH	351.521	122.323	306.987	17.714	0.09198	1.93044	5 X
K16E58Y	17.7	0.15	K20CH	129.005	78.409	351.174	4.528	0.00952	2.66748	5 V
K16EJ0E	16.7	0.15	K20CH	333.721	273.709	192.422	15.315	0.23784	3.23476	4 X
K16ES2S	17.8	0.15	K20CH	86.998	15.414	112.858	14.927	0.12793	2.61483	2 V
K16ES2T	16.9	0.15	K20CH	296.777	162.010	12.452	9.312	0.03337	3.16200	2 V
K16GC3S	15.2	0.15	K20CH	283.190	173.825	48.220	28.332	0.12704	3.18346	9 X
K16GN8Z	15.9	0.15	K20CH	112.221	351.983	66.870	20.570	0.09224	3.14907	5 V
K16GO9M	16.4	0.15	K20CH	346.711	107.234	30.999	26.636	0.18549	3.18865	6 X
K16GT0Q	17.9	0.15	K20CH	58.337	71.669	99.124	13.961	0.11558	2.67997	2 V
K16GT0R	18.0	0.15	K20CH	53.075	67.878	114.836	18.117	0.17144	2.68503	2 V
K16H30Z	19.0	0.15	K20CH	80.335	137.692	138.749	2.728	0.18930	2.31003	5 V
K16J48X	18.8	0.15	K20CH	134.128	205.654	33.102	4.917	0.09658	2.22192	7 V
K16L43C	16.7	0.15	K20CH	64.436	85.420	183.578	11.664	0.12888	2.53042	13 X
K16L68A	17.7	0.15	K20CH	48.525	72.400	266.952	20.402	0.27515	2.44836	3 X
K16M03O	16.6	0.15	K20CH	334.933	67.331	314.121	11.650	0.17988	2.66463	10 X
K16N00F	18.3	0.15	K20CH	7.969	96.868	269.482	5.968	0.54740	2.48635	3 X
K16N23Q	16.8	0.15	K20CH	19.109	27.661	287.653	13.714	0.22390	2.60411	6 X
K16N51K	18.0	0.15	K20CH	56.206	204.977	140.416	6.944	0.22717	2.40534	3 X
K16N55A	17.3	0.15	K20CH	4.277	18.889	331.034	13.206	0.26140	2.61886	4 X
K16N55S	16.8	0.15	K20CH	5.754	53.283	293.088	12.708	0.28096	2.67910	7 X
K16NC9W	18.0	0.15	K20CH	42.805	256.154	115.262	7.531	0.13571	2.37621	7 X
K16ND0V	18.5	0.15	K20CH	24.475	133.784	222.774	13.898	0.15392	2.42614	4 V
K16O12Q	17.8	0.15	K20CH	38.222	2.144	286.953	13.054	0.23424	2.64709	2 V
K16P27Z	18.0	0.15	K20CH	3.003	357.210	55.169	8.801	0.16657	2.34780	2 V
K16P46O	18.2	0.15	K20CH	7.289	32.993	26.082	5.923	0.21715	2.31799	4 X
K16P48Z	17.8	0.15	K20CH	54.070	300.623	59.059	7.618	0.19538	2.32639	6 X
K16P65P	16.9	0.15	K20CH	15.337	200.510	18.153	9.957	0.04149	3.17066	3 V
K16P76Y	17.4	0.15	K20CH	351.286	141.875	238.554	5.883	0.33089	2.62435	6 X
K16PI2J	18.3	0.15	K20CH	346.129	217.208	227.900	7.771	0.16652	2.26438	5 V
K16PI4C	17.8	0.15	K20CH	35.552	280.915	88.811	6.346	0.21033	2.44177	6 X
K16PI5A	18.6	0.15	K20CH	355.769	2.259	29.901	5.047	0.08680	2.43852	3 V
K16PI5C	18.0	0.15	K20CH	18.570	14.343	355.697	22.574	0.04682	2.44158	3 V
K16Q10B	17.8	0.15	K20CH	25.156	320.099	80.267	7.764	0.09270	2.33806	7 X
K16Q39T	17.7	0.15	K20CH	66.102	118.736	218.124	3.164	0.15659	2.36684	8 X
K16Q40F	18.3	0.15	K20CH	348.784	173.254	187.469	2.912	0.29882	2.65327	3 V
K16Q47T	18.5	0.15	K20CH	53.034	279.210	73.175	3.363	0.22193	2.38922	6 X

K16Q60F	17.3	0.15	K20CH	36.589	341.656	312.793	13.504	0.26052	2.57907	5 X
K16Q77X	16.4	0.15	K20CH	1.813	141.393	210.527	13.030	0.14157	2.61977	11 X
K16QB7V	18.3	0.15	K20CH	7.810	208.611	193.824	2.293	0.19434	2.45811	6 V
K16QB7Y	18.4	0.15	K20CH	29.504	156.890	211.649	2.745	0.21653	2.45568	4 V
K16QB8K	18.4	0.15	K20CH	38.809	211.321	145.490	2.869	0.18851	2.44639	5 V
K16R02U	17.2	0.15	K20CH	242.346	332.249	220.433	6.313	0.05591	2.32914	10 X
K16R03O	18.2	0.15	K20CH	93.445	42.032	275.158	4.467	0.16822	2.31249	6 X
K16R23K	16.1	0.15	K20CH	30.305	7.835	305.535	10.841	0.17910	2.66022	9 X
K16R47M	16.8	0.15	K20CH	351.361	3.530	4.134	14.577	0.13706	2.62727	9 X
K16R53Z	17.4	0.15	K20CH	9.211	49.655	279.870	9.014	0.25816	2.67461	4 X
K16R59U	18.7	0.15	K20CH	50.978	279.255	78.953	2.015	0.19818	2.43334	5 X
K16R68Q	18.4	0.15	K20CH	6.892	81.757	329.472	8.389	0.21163	2.44337	4 X
K16R70B	18.2	0.15	K20CH	341.487	350.645	96.064	5.288	0.19933	2.41463	4 V
K16R70T	17.4	0.15	K20CH	29.020	90.137	289.635	13.909	0.12406	2.52191	3 X
K16S00X	17.9	0.15	K20CH	348.866	84.359	300.090	5.348	0.36562	2.63277	7 X
K16S11Q	17.9	0.15	K20CH	13.585	269.653	133.095	3.399	0.20284	2.45042	5 X
K16S19G	17.5	0.15	K20CH	24.081	288.682	26.767	5.326	0.31039	2.62470	6 X
K16S23A	17.0	0.15	K20CH	328.101	87.987	15.108	13.077	0.11710	2.41603	8 X
K16S23F	18.4	0.15	K20CH	29.777	189.872	186.394	3.414	0.18596	2.46333	4 X
K16S28Z	18.7	0.15	K20CH	25.482	234.256	142.855	3.130	0.26673	2.46638	3 V
K16S29E	17.6	0.15	K20CH	132.108	193.236	90.337	3.155	0.03565	2.37282	12 X
K16S31G	16.6	0.15	K20CH	32.914	327.406	48.377	9.279	0.25266	2.47103	13 X
K16S39Q	17.5	0.15	K20CH	23.014	14.007	10.913	14.939	0.10903	2.44379	4 X
K16S88R	18.1	0.15	K20CH	34.128	318.626	44.634	3.881	0.21148	2.46294	4 V
K16S89U	17.4	0.15	K20CH	8.331	242.374	166.881	21.654	0.08180	2.56269	3 V
K16S89V	18.0	0.15	K20CH	91.232	186.376	98.798	5.595	0.08812	2.51008	6 V
K16S89W	18.8	0.15	K20CH	17.774	339.979	29.757	17.615	0.14694	2.54764	3 V
K16S89X	19.1	0.15	K20CH	348.689	330.583	77.904	1.696	0.19969	2.53264	5 V
K16S89Y	18.0	0.15	K20CH	346.207	156.363	222.645	11.951	0.17399	2.67638	3 V
K16T14M	17.0	0.15	K20CH	353.897	13.856	353.016	13.556	0.20580	2.61945	7 X
K16T14R	17.2	0.15	K20CH	33.902	227.492	151.925	3.681	0.16149	2.42337	11 X
K16T23X	16.7	0.15	K20CH	43.650	65.494	214.178	10.710	0.24886	2.72086	7 X
K16T72M	17.8	0.15	K20CH	62.641	243.415	89.670	4.923	0.21594	2.45378	7 X
K16T74T	17.8	0.15	K20CH	34.376	178.183	193.732	2.535	0.27697	2.45181	7 X
K16T92Z	16.7	0.15	K20CH	70.207	8.614	307.150	17.817	0.19595	2.55484	5 X
K16TA3Z	17.5	0.15	K20CH	341.727	136.687	255.114	7.613	0.31405	2.68621	3 X
K16TB5W	17.8	0.15	K20CH	22.352	339.117	44.308	32.761	0.12682	2.57984	2 V
K16TD8X	17.2	0.15	K20CH	315.878	164.454	289.677	14.113	0.05225	2.53107	4 X
K16TE6Z	18.3	0.15	K20CH	357.548	19.170	44.391	3.304	0.16882	2.43548	6 V
K16TF0F	17.7	0.15	K20CH	19.297	325.829	66.318	7.292	0.11380	2.44736	5 V
K16TF0W	17.9	0.15	K20CH	320.945	282.045	174.591	27.256	0.18223	2.60116	4 V
K16TF0X	18.2	0.15	K20CH	27.152	166.193	202.358	14.399	0.07516	2.53287	4 V
K16TF0Y	17.7	0.15	K20CH	124.825	240.205	17.183	10.521	0.10917	2.56443	5 V
K16TF1A	18.7	0.15	K20CH	37.122	145.126	202.736	11.927	0.28546	2.56008	3 V
K16TF1C	18.3	0.15	K20CH	9.537	26.831	342.930	0.324	0.10079	2.59956	3 V
K16TF1D	17.6	0.15	K20CH	6.923	296.046	101.534	14.992	0.12919	2.56126	2 V
K16TF1E	18.2	0.15	K20CH	352.015	245.199	171.937	11.471	0.21135	2.56283	2 V
K16TF1F	17.3	0.15	K20CH	35.788	9.528	282.192	16.505	0.21377	2.73939	2 V
K16U05H	18.6	0.15	K20CH	169.967	16.818	83.328	23.809	0.07526	1.83894	4 V
K16U55N	17.9	0.15	K20CH	27.992	170.023	205.291	5.264	0.21578	2.56516	2 V
K16U64Q	17.2	0.15	K20CH	351.511	173.625	190.149	13.947	0.25786	2.69233	5 X
K16U77F	18.9	0.15	K20CH	14.768	308.373	86.449	6.632	0.32887	2.54195	3 X
K16U80R	17.3	0.15	K20CH	5.019	118.477	282.126	28.903	0.39639	2.62015	3 X
K16U88L	16.9	0.15	K20CH	35.107	59.293	234.940	3.683	0.18034	2.83605	9 X
K16UA9M	19.2	0.15	K20CH	5.691	48.265	0.924	16.841	0.34981	2.53669	2 X
K16UE8B	16.2	0.15	K20CH	299.462	134.616	347.629	13.323	0.10006	2.56066	10 X
K16UF0R	17.3	0.15	K20CH	48.725	3.959	338.870	11.272	0.21922	2.56132	4 X
K16UF1T	17.7	0.15	K20CH	24.850	140.510	231.394	2.929	0.28159	2.57236	2 X
K16UF3V	17.8	0.15	K20CH	339.791	246.542	197.346	7.188	0.14705	2.57191	2 V
K16UF3Y	17.6	0.15	K20CH	13.016	37.007	358.832	13.625	0.23359	2.55230	3 X
K16U08G	17.6	0.15	K20CH	41.348	119.424	233.729	29.475	0.26743	2.57519	5 X
K16UP2N	16.9	0.15	K20CH	60.813	40.923	305.915	12.903	0.01697	2.58013	6 X
K16UP7N	17.7	0.15	K20CH	44.798	332.682	14.768	18.901	0.22431	2.54190	2 X
K16UP8K	18.0	0.15	K20CH	19.103	8.320	18.353	2.382	0.11328	2.57967	2 V
K16UP8Q	18.5	0.15	K20CH	30.851	318.754	46.582	5.303	0.21508	2.57226	2 V
K16UP9D	18.0	0.15	K20CH	8.315	170.834	229.780	8.200	0.15859	2.57406	3 V
K16UP9Z	17.9	0.15	K20CH	45.011	259.444	96.102	5.688	0.18801	2.56570	4 X
K16UQ0J	17.6	0.15	K20CH	36.943	323.222	51.197	15.367	0.12451	2.45120	3 V
K16UQ0T	18.9	0.15	K20CH	341.827	57.328	355.737	3.399	0.23138	2.59409	3 V
K16UQ0U	18.1	0.15	K20CH	307.930	162.057	299.749	7.426	0.12607	2.54552	4 V
K16UQ0V	19.0	0.15	K20CH	16.654	295.801	61.299	3.207	0.22921	2.61006	3 V
K16UQ0W	18.6	0.15	K20CH	351.313	307.022	90.648	2.749	0.21667	2.61999	3 V
K16V04M	17.1	0.15	K20CH	355.522	53.835	12.511	29.902	0.41380	2.59015	4 X
K16V05C	17.8	0.15	K20CH	17.762	121.911	265.262	29.593	0.38396	2.59119	2 X
K16V15O	16.7	0.15	K20CH	322.745	122.607	335.538	16.391	0.08682	2.54273	6 X
K16V15P	17.7	0.15	K20CH	22.681	69.440	313.770	12.723	0.18109	2.54106	3 X
K16V22O	17.1	0.15	K20CH	35.177	19.269	348.410	11.788	0.11165	2.56428	5 X
K16V22R	17.4	0.15	K20CH	17.535	268.967	126.337	17.979	0.31776	2.66317	4 X
K16V22T	17.4	0.15	K20CH	48.533	311.531	48.179	5.413	0.20175	2.54197	3 X
K16V23A	17.6	0.15	K20CH	345.602	24.611	56.819	14.648	0.23003	2.64263	3 X
K16V23U	16.8	0.15	K20CH	328.690	157.445	291.907	25.046	0.14044	2.80128	3 X
K16V35D	16.6	0.15	K20CH	34.196	40.548	324.914	14.027	0.13346	2.58115	6 X
K16V39R	17.5	0.15	K20CH	340.928	126.246	306.663	12.901	0.07301	2.57665	4 X
K16W04X	18.4	0.15	K20CH	0.763	184.165	236.778	7.576	0.24609	2.53286	4 X
K16W11M	16.3	0.15	K20CH	30.792	45.220	323.725	14.569	0.15829	2.54863	5 X
K16W20R	17.7	0.15	K20CH	43.788	19.346	326.831	8.562	0.30790	2.53505	3 X
K16W20U	17.4	0.15	K20CH	51.060	62.852	289.515	14.160	0.15831	2.54127	5 X
K16W24G	16.8	0.15	K20CH	17.058	358.060	325.886	14.973	0.14312	2.83902	8 X
K16W25J	18.3	0.15	K20CH	357.067	14.041	49.953	7.066	0.28216	2.55783	3 X
K16W26Y	16.6	0.15	K20CH	324.328	87.206	307.824	10.711	0.22100	2.84003	8 X
K16W27C	17.7	0.15	K20CH	19.630	340.093	48.347	4.666	0.17533	2.57864	2 V
K16W31B	17.8	0.15	K20CH	47.145	151.902	213.790	13.845	0.16818	2.54198	4 X
K16W38C	16.7	0.15	K20CH	66.833	278.750	61.428	12.239	0.05869	2.59109	9 X

K16W45C	17.2	0.15	K20CH	83.573	333.352	343.849	3.304	0.21716	2.55729	8 X
K16W47K	17.8	0.15	K20CH	10.567	145.205	243.997	33.253	0.29194	2.58745	2 X
K16W53W	16.7	0.15	K20CH	49.146	305.972	48.770	3.894	0.07229	2.61251	11 X
K16W58J	17.2	0.15	K20CH	318.730	89.871	16.510	24.512	0.09400	2.57659	3 X
K16W62F	16.2	0.15	K20CH	17.698	348.631	325.176	14.047	0.24895	2.90384	8 X
K16W63F	17.3	0.15	K20CH	35.715	83.187	278.567	11.983	0.16317	2.61959	5 X
K16W63N	17.9	0.15	K20CH	34.740	145.695	223.464	16.240	0.21633	2.59416	4 V
K16W64E	17.8	0.15	K20CH	33.515	345.406	13.719	14.702	0.26900	2.66206	2 X
K16W66M	18.8	0.15	K20CH	21.753	194.753	185.291	4.399	0.22195	2.57686	2 V
K16W67S	17.5	0.15	K20CH	35.004	68.370	299.039	13.432	0.19590	2.56921	2 V
K16W67T	17.6	0.15	K20CH	317.368	95.434	27.475	4.092	0.16139	2.55794	5 V
K16X03C	16.8	0.15	K20CH	282.785	166.527	1.782	3.630	0.18673	2.53850	10 X
K16X04Y	16.8	0.15	K20CH	31.318	294.467	89.702	12.854	0.13174	2.56487	7 X
K16X13X	17.0	0.15	K20CH	65.427	93.408	249.699	12.038	0.21795	2.54832	4 X
K16X16M	18.1	0.15	K20CH	33.742	294.124	65.911	14.210	0.27760	2.56213	2 X
K16X23A	18.4	0.15	K20CH	7.858	103.486	296.246	11.794	0.28062	2.57637	4 X
K16X29J	17.8	0.15	K20CH	18.508	334.088	54.843	4.386	0.09625	2.61629	4 V
K16X29W	17.8	0.15	K20CH	356.463	49.954	334.405	7.966	0.24491	2.71120	2 V
K16X29X	17.5	0.15	K20CH	20.677	133.664	260.215	11.795	0.19092	2.65137	2 V
K16Y04Q	17.0	0.15	K20CH	340.474	223.442	226.422	12.284	0.22930	2.58201	6 X
K16Y09A	17.1	0.15	K20CH	42.230	272.160	85.968	7.996	0.21570	2.62150	9 X
K16Y13M	17.5	0.15	K20CH	333.387	274.198	196.540	15.262	0.20894	2.57511	9 X
K16Y15Q	17.4	0.15	K20CH	336.033	142.137	303.864	12.772	0.18308	2.69429	5 X
K16Y21U	18.1	0.15	K20CH	359.211	187.925	238.198	7.596	0.31984	2.63665	3 V
K16Y21V	17.1	0.15	K20CH	37.764	105.784	257.252	13.702	0.17027	2.84617	5 V
K17A06T	17.5	0.15	K20CH	330.617	39.013	58.673	2.890	0.16805	2.69092	7 X
K17A17Z	17.5	0.15	K20CH	18.208	288.156	105.306	5.120	0.11801	2.72695	7 X
K17A19D	17.0	0.15	K20CH	9.340	131.115	255.969	11.939	0.43298	2.46651	3 X
K17A28A	17.6	0.15	K20CH	346.385	76.843	16.832	28.857	0.32990	2.62165	4 X
K17A30B	17.1	0.15	K20CH	334.416	164.326	286.581	12.816	0.15696	2.78946	2 X
K17A38G	16.5	0.15	K20CH	309.303	172.987	288.824	15.923	0.09339	3.16810	4 V
K17A38J	17.9	0.15	K20CH	348.629	28.124	39.188	13.423	0.15666	2.74655	2 V
K17B02R	17.4	0.15	K20CH	24.775	189.784	203.231	10.584	0.12824	2.59044	5 X
K17B04O	16.8	0.15	K20CH	20.073	194.639	197.462	11.756	0.18383	2.57648	9 X
K17B07N	16.2	0.15	K20CH	346.065	162.643	276.294	24.894	0.12527	2.74802	4 X
K17B31H	16.4	0.15	K20CH	358.303	109.993	7.900	29.620	0.33342	2.62919	7 X
K17B35G	16.9	0.15	K20CH	317.066	158.290	312.909	16.959	0.16739	2.78495	4 X
K17B43N	17.1	0.15	K20CH	352.628	122.611	304.222	12.649	0.15790	2.74212	4 X
K17B49P	16.8	0.15	K20CH	273.957	214.454	298.257	3.252	0.00984	2.80674	12 X
K17B62Z	18.2	0.15	K20CH	4.880	327.567	94.439	7.588	0.28963	2.60633	4 X
K17B71Z	17.2	0.15	K20CH	24.016	286.137	97.660	5.271	0.11111	2.78647	6 V
K17B89Q	17.6	0.15	K20CH	315.558	27.964	86.430	6.179	0.11899	2.75615	7 X
K17B97P	16.6	0.15	K20CH	301.368	143.121	343.198	10.321	0.08638	2.84321	9 X
K17B98R	17.5	0.15	K20CH	19.418	253.212	135.918	7.923	0.32465	2.67186	6 X
K17B99J	17.6	0.15	K20CH	358.698	111.107	308.072	11.996	0.20948	2.71675	4 X
K17BA2Y	18.0	0.15	K20CH	338.194	267.421	193.151	11.485	0.25263	2.66518	2 X
K17BA3Q	16.2	0.15	K20CH	312.827	155.436	316.028	24.887	0.10040	2.78089	4 X
K17BA8K	16.0	0.15	K20CH	301.934	351.199	129.179	11.775	0.03776	3.05373	10 X
K17BA9L	16.7	0.15	K20CH	320.319	174.487	295.071	24.848	0.10263	2.77302	4 X
K17BD8B	16.0	0.15	K20CH	266.170	155.990	7.763	11.345	0.09108	3.12770	10 X
K17C04B	17.5	0.15	K20CH	336.646	144.345	307.772	8.335	0.17265	2.77683	3 V
K17C04Y	17.5	0.15	K20CH	305.338	81.312	60.528	10.653	0.26271	2.70614	5 X
K17D07O	16.2	0.15	K20CH	146.487	214.710	62.852	11.464	0.02194	2.97420	9 X
K17D09N	15.7	0.15	K20CH	181.735	285.387	299.569	13.385	0.15823	3.15579	4 X
K17D15G	17.2	0.15	K20CH	12.726	28.385	55.380	38.095	0.36831	2.54644	2 X
K17D37A	17.7	0.15	K20CH	330.445	228.845	247.731	30.477	0.35078	2.58639	2 X
K17D55Z	15.9	0.15	K20CH	187.407	205.057	32.969	9.578	0.03059	2.98618	12 X
K17D57V	16.1	0.15	K20CH	72.197	284.105	63.888	11.080	0.11707	2.98669	8 X
K17D72W	17.0	0.15	K20CH	336.959	297.584	158.029	8.755	0.18331	2.79401	11 X
K17D78L	16.1	0.15	K20CH	213.882	358.914	219.873	5.604	0.06989	2.96378	11 X
K17D84K	15.9	0.15	K20CH	224.299	61.723	138.797	12.264	0.01795	2.99666	9 X
K17D89U	15.7	0.15	K20CH	254.578	240.015	280.606	12.153	0.08277	3.06571	9 X
K17E19X	16.1	0.15	K20CH	247.696	112.297	60.063	16.389	0.07528	3.08036	6 X
K17E20V	16.3	0.15	K20CH	310.276	352.276	125.345	11.276	0.03912	3.03981	10 X
K17F09C	16.5	0.15	K20CH	332.342	35.271	62.820	9.902	0.06730	2.97539	9 X
K17F42Q	15.5	0.15	K20CH	88.024	287.302	42.350	9.888	0.09306	3.25737	12 X
K17F42W	16.4	0.15	K20CH	353.614	9.011	63.911	10.078	0.11879	3.05074	9 X
K17F99Y	16.4	0.15	K20CH	344.293	210.240	235.106	10.495	0.10037	3.07206	5 X
K17FC6W	16.6	0.15	K20CH	359.758	27.764	42.362	7.249	0.10721	2.97636	8 X
K17FE2T	16.1	0.15	K20CH	295.444	48.794	78.731	10.568	0.08663	3.14910	9 X
K17FF6B	16.5	0.15	K20CH	321.436	46.367	57.144	12.814	0.13448	3.07580	6 X
K17H13S	17.1	0.15	K20CH	296.556	158.181	351.665	1.789	0.17407	3.02387	8 X
K17R00D	17.9	0.15	K20CH	310.549	216.292	263.489	16.241	0.13696	1.94778	4 X
K17S17C	18.4	0.15	K20CH	243.661	230.880	316.290	18.666	0.07461	1.91714	3 X
K17S19E	19.8	0.15	K20CH	347.856	29.759	87.313	8.801	0.52695	2.11745	3 X
K17SA3E	17.0	0.15	K20CH	266.643	91.566	244.391	10.808	0.18854	2.77491	4 V
K17SL3O	17.7	0.15	K20CH	296.580	163.022	184.987	10.941	0.03234	2.72437	2 V
K17T00W	18.0	0.15	K20CH	203.689	304.651	267.107	16.247	0.04444	2.02418	5 X
K17T03K	18.4	0.15	K20CH	213.400	333.854	245.865	18.335	0.05436	1.96567	4 X
K17T30Q	19.1	0.15	K20CH	4.788	315.252	62.297	7.374	0.17514	2.18809	3 V
K17U02G	18.5	0.15	K20CH	342.139	297.780	37.841	6.895	0.29948	2.30186	5 V
K17U08U	17.1	0.15	K20CH	354.587	61.895	298.818	4.249	0.17437	2.27342	10 X
K17V12T	20.4	0.15	K20CH	327.456	142.922	18.713	6.568	0.47259	1.32143	4 X
K17W16J	24.5	0.15	K20CH	205.329	186.585	58.998	5.716	0.21429	0.82254	2 X
K17X01U	17.1	0.15	K20CH	309.629	242.406	253.915	23.640	0.31956	2.20408	4 X
K17X67H	18.8	0.15	K20CH	16.325	315.558	80.476	5.084	0.21710	2.21227	4 X
K17Y03H	17.1	0.15	K20CH	346.059	186.357	240.959	25.570	0.27315	2.28578	7 X
K17Y34K	18.9	0.15	K20CH	37.897	313.762	45.539	4.926	0.23986	2.28923	2 V
K18A07H	17.6	0.15	K20CH	37.833	127.181	236.842	6.681	0.14979	2.34140	6 X
K18A09D	16.6	0.15	K20CH	33.598	342.357	318.150	14.539	0.15378	2.83384	7 X
K18A14C	17.5	0.15	K20CH	279.502	268.803	255.203	4.755	0.08889	2.26240	10 X
K18A17A	16.2	0.15	K20CH	55.940	98.637	168.757	26.732	0.10178	3.13504	9 X
K18F05Y	17.4	0.15	K20CH	230.631	142.652	1.118	3.594	0.03159	2.91579	5 V

K18F21J	17.7	0.15	K20CH	341.346	46.749	39.296	7.304	0.20729	2.39934	8 X
K18F28N	16.9	0.15	K20CH	297.502	147.316	335.981	14.622	0.04952	2.57114	8 X
K18G12F	17.1	0.15	K20CH	322.044	31.949	64.914	5.927	0.07559	2.71047	10 V
K18G17R	17.3	0.15	K20CH	311.166	62.572	38.913	22.500	0.04485	2.69013	8 V
K18K08G	16.7	0.15	K20CH	33.153	275.178	102.657	12.983	0.12756	3.10801	8 X
K18N27Y	16.8	0.15	K20CH	116.629	285.891	107.609	9.651	0.21139	2.91719	2 V
K18T31S	16.9	0.15	K20CH	76.353	90.416	8.678	25.575	0.22597	3.18538	2 V
K18V01B	23.7	0.15	K20CH	237.276	185.178	48.361	6.794	0.41451	0.75517	2 X
K18VD2D	16.5	0.15	K20CH	73.226	46.685	59.196	13.731	0.05581	3.19978	2 V
K19A63E	16.9	0.15	K20CH	73.330	297.515	294.953	14.383	0.32183	3.05883	4 X
K19E01X	19.2	0.15	K20CH	27.702	356.676	34.139	21.306	0.09095	1.85208	3 X
K19F08N	15.2	0.15	K20CH	46.178	319.626	33.124	25.351	0.22310	2.33599	2 X
K19F21K	17.2	0.15	K20CH	65.239	317.872	348.816	14.708	0.36055	2.71111	2 X
K19G27G	17.0	0.15	K20CH	77.510	85.944	186.716	15.841	0.20819	3.07874	4 V
K19G33E	13.8	0.15	K20CH	8.986	132.445	235.334	15.500	0.24034	2.75617	6 X
K19G34V	13.7	0.15	K20CH	349.583	113.823	241.672	15.255	0.15955	3.19348	2 X
K19G36M	13.7	0.15	K20CH	353.246	344.219	69.462	28.087	0.29491	2.32755	6 X
K19G80N	16.5	0.15	K20CH	34.332	271.285	75.567	18.369	0.41376	3.12199	5 V
K19G83U	18.2	0.15	K20CH	51.346	22.728	318.710	4.936	0.26955	2.30518	2 V
K19J47W	17.1	0.15	K20CH	82.189	235.773	75.400	8.515	0.19992	2.59805	2 X
K19J79Z	17.4	0.15	K20CH	35.346	320.885	46.072	16.618	0.26059	2.58316	3 V
K19J81U	17.6	0.15	K20CH	55.597	299.746	41.727	12.296	0.24288	2.67037	4 V
K19K19N	13.7	0.15	K20CH	5.280	304.063	345.586	14.747	0.76605	12.46103	3 X
K19K29M	17.4	0.15	K20CH	54.754	231.012	113.358	10.412	0.24994	2.80036	2 X
K19L02D	11.9	0.15	K20CH	20.572	123.319	179.627	11.579	0.13248	5.27678	3 X
K19L16D	17.8	0.15	K20CH	36.599	224.102	146.670	7.516	0.22678	2.65192	5 X
K19M17B	17.1	0.15	K20CH	53.460	118.100	238.929	14.311	0.16519	2.61216	4 X
K20C05N	17.7	0.15	K20CH	60.728	358.087	150.212	4.264	0.14312	3.13395	2 V
K20H48Q	17.0	0.15	K20CH	21.024	145.633	101.343	9.296	0.12521	3.15352	2 V
K20M09S	17.2	0.15	K20CH	328.112	110.579	277.306	8.633	0.14456	3.03623	4 X
K20O00Q	18.6	0.15	K20CH	25.582	104.472	253.397	20.631	0.33955	2.16949	3 X
K20O30J	18.0	0.15	K20CH	17.231	67.649	317.843	14.051	0.27660	2.70949	4 X
K20Q09O	17.4	0.15	K20CH	50.987	23.790	303.729	13.187	0.26871	2.63816	6 X
K20Q10H	17.2	0.15	K20CH	52.444	21.595	306.107	13.111	0.24485	2.67107	4 X
K20Q47W	17.9	0.15	K20CH	357.817	69.156	356.424	10.918	0.27891	2.65194	5 X
K20S28G	19.1	0.15	K20CH	7.052	114.894	285.277	4.561	0.12796	2.19845	2 V
K20T10N	19.5	0.15	K20CH	12.690	275.271	125.387	6.800	0.36829	2.61345	2 X
K20T12V	18.6	0.15	K20CH	14.230	169.027	232.528	7.822	0.10665	2.27171	4 X
K20U07R	19.3	0.15	K20CH	263.969	266.984	252.247	20.990	0.06624	1.81830	5 X
q3645	5.0	0.15	K20CH	171.701	89.936	156.274	28.836	0.11411	43.15215	11 V

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc C
K17B03K	20.2	0.15	K20CH	79.503	99.938	340.205	22.993	0.45110	2.21626	211 X
K19N52F	17.6	0.15	K20CH	146.098	14.380	300.496	3.524	0.07556	2.71455	113 V
K19SD6C	17.7	0.15	K20CH	128.269	53.845	268.736	10.372	0.27296	2.67414	26 V
K20K22G	17.5	0.15	K20CH	22.203	134.939	140.514	1.997	0.24023	3.00710	24 V
K20L08O	18.5	0.15	K20CH	55.292	35.623	236.126	7.739	0.22656	2.36277	38 V
K20O03W	19.6	0.15	K20CH	14.801	65.190	305.003	14.665	0.57852	3.04239	136 X
K20O07S	20.3	0.15	K20CH	8.470	224.614	158.510	3.560	0.58060	2.82237	139 X
K20O08C	20.8	0.15	K20CH	16.559	198.926	195.986	4.858	0.43812	1.91308	169 X
K20O48Y	18.2	0.15	K20CH	19.950	351.602	33.452	6.845	0.25489	2.35712	120 V
K20O63T	18.0	0.15	K20CH	58.999	35.641	274.978	4.123	0.23169	2.39613	92 V
K20P00Q	18.8	0.15	K20CH	8.697	113.792	280.829	27.696	0.44076	2.40562	131 X
K20P37K	16.6	0.15	K20CH	42.180	319.617	40.046	16.549	0.19968	3.06478	86 V
K20Q04B	17.0	0.15	K20CH	34.854	121.482	232.851	32.085	0.33194	2.78199	105 X
K20Q04M	18.6	0.15	K20CH	49.144	297.627	22.955	23.420	0.44595	2.11616	105 X
K20Q07D	19.3	0.15	K20CH	21.098	77.821	301.178	8.855	0.34097	2.31902	101 X
K20Q07Z	20.5	0.15	K20CH	2.642	131.835	294.008	5.716	0.50291	2.68007	101 X
K20Q21B	17.3	0.15	K20CH	27.604	84.269	282.426	14.682	0.22172	3.03261	96 X
K20Q21D	17.8	0.15	K20CH	41.310	83.812	263.715	15.356	0.24294	2.61770	96 X
K20Q36F	19.1	0.15	K20CH	17.416	304.843	75.816	5.771	0.35605	2.60041	91 V
K20Q46U	18.5	0.15	K20CH	20.951	320.509	52.906	6.826	0.32182	2.59992	74 V
K20Q47O	18.2	0.15	K20CH	27.806	45.588	325.483	12.285	0.27777	2.59234	98 X
K20Q47X	19.1	0.15	K20CH	30.912	21.824	345.657	7.986	0.29559	2.31652	70 V
K20Q47Y	17.8	0.15	K20CH	28.110	159.135	212.657	13.929	0.19926	2.66949	70 V
K20Q48P	18.5	0.15	K20CH	30.874	320.001	40.404	14.298	0.26805	2.62081	68 V
K20Q48Y	18.2	0.15	K20CH	28.737	69.924	288.867	10.258	0.21515	2.66665	59 V
K20Q48Z	17.3	0.15	K20CH	28.012	83.417	291.206	12.402	0.28395	3.00833	58 V
K20R07V	19.9	0.15	K20CH	2.200	347.764	76.211	7.275	0.37033	2.28502	81 X
K20R08Y	17.7	0.15	K20CH	30.324	299.063	63.110	31.145	0.35779	2.59789	78 X
K20R25T	16.5	0.15	K20CH	130.093	23.449	234.925	12.078	0.05741	2.89742	52 V
K20R37O	18.2	0.15	K20CH	359.893	135.840	278.777	11.284	0.19636	2.64766	83 X
K20R44P	20.0	0.15	K20CH	20.705	92.594	278.249	4.166	0.28555	2.31587	37 X
K20R48Y	17.8	0.15	K20CH	10.742	319.643	80.534	15.092	0.25335	2.61649	67 V
K20R48Z	18.1	0.15	K20CH	359.970	39.166	24.532	19.055	0.35986	3.10248	69 V
K20S07Z	17.8	0.15	K20CH	12.488	67.869	324.989	11.598	0.27580	2.70477	75 X
K20S09K	17.9	0.15	K20CH	351.002	162.234	263.016	19.103	0.25015	2.79612	76 X
K20S09M	18.6	0.15	K20CH	9.264	91.045	306.150	10.198	0.30772	2.64370	76 X
K20S13A	17.0	0.15	K20CH	99.664	332.838	305.729	13.026	0.24655	2.63623	44 V
K20S13N	18.2	0.15	K20CH	26.765	59.202	315.088	14.412	0.14969	2.54351	76 V
K20S13U	17.9	0.15	K20CH	8.109	79.520	326.216	9.465	0.20359	2.56101	74 X
K20S13W	18.4	0.15	K20CH	26.338	156.206	219.373	3.475	0.22808	2.59413	64 V
K20S13X	17.4	0.15	K20CH	10.347	177.776	215.050	16.924	0.19224	3.18348	49 V
K20S14K	18.2	0.15	K20CH	39.501	10.478	343.723	16.459	0.23282	2.55216	68 X
K20S14T	17.5	0.15	K20CH	344.921	36.684	36.084	17.249	0.20778	3.19252	47 V
K20S16J	19.5	0.15	K20CH	13.612	335.247	68.301	9.083	0.37645	2.59040	58 X
K20S16N	17.3	0.15	K20CH	348.787	223.468	227.460	31.137	0.35852	3.17644	64 X
K20S20H	18.2	0.15	K20CH	2.826	38.548	16.123	14.436	0.37407	2.97888	76 X
K20S21W	18.4	0.15	K20CH	79.172	30.858	263.923	7.961	0.21199	2.21681	48 V
K20S22M	19.4	0.15	K20CH	33.514	2.079	355.878	7.560	0.21091	2.19685	47 V
K20S25V	18.7	0.15	K20CH	12.842	71.954	323.058	10.454	0.30831	2.64591	71 X
K20S27F	19.0	0.15	K20CH	18.006	356.370	33.366	7.488	0.24884	2.32746	40 V

K20S28F	18.8	0.15	K20CH	62.659	22.793	304.753	4.988	0.21831	2.20221	61	V
K20S28H	17.3	0.15	K20CH	68.829	351.420	324.859	11.457	0.17890	2.62756	35	V
K20S28J	18.5	0.15	K20CH	12.079	167.991	210.185	11.719	0.19702	2.61193	26	V
K20S28K	17.6	0.15	K20CH	15.069	55.546	337.901	9.557	0.14001	2.63567	36	V
K20S28L	18.9	0.15	K20CH	57.727	235.583	102.759	4.987	0.17047	2.21329	26	V
K20S28M	18.1	0.15	K20CH	31.059	273.839	87.362	13.697	0.30315	2.60911	60	V
K20S28N	17.7	0.15	K20CH	5.868	72.961	334.709	10.984	0.14910	2.64472	61	V
K20S28O	17.5	0.15	K20CH	355.319	205.656	232.778	31.006	0.50454	3.61977	63	V
K20S28P	17.4	0.15	K20CH	342.791	96.936	359.230	8.366	0.36572	3.29452	67	V
K20S28Q	17.6	0.15	K20CH	2.339	34.391	19.579	14.608	0.26927	3.19176	57	V
K20T05H	21.1	0.15	K20CH	323.151	326.420	175.823	4.594	0.39899	1.42510	51	X
K20T07Q	22.1	0.15	K20CH	358.766	69.303	23.196	6.201	0.35569	1.64602	74	X
K20T10Y	18.7	0.15	K20CH	357.495	47.722	15.725	13.593	0.25166	2.68118	55	X
K20T11D	18.8	0.15	K20CH	39.658	32.374	314.629	3.829	0.19773	2.35707	73	V
K20T11H	19.0	0.15	K20CH	67.795	303.832	40.351	22.195	0.12243	1.87381	49	X
K20T11O	19.0	0.15	K20CH	27.773	177.595	205.788	5.769	0.17720	2.19200	66	X
K20T11R	19.1	0.15	K20CH	14.814	333.932	60.678	6.056	0.21661	2.32930	39	V
K20T11T	17.2	0.15	K20CH	29.858	339.499	33.632	8.700	0.20023	3.23144	26	V
K20T12B	21.6	0.15	K20CH	347.193	353.962	126.826	8.915	0.51977	2.02750	49	X
K20T12R	18.6	0.15	K20CH	10.258	341.742	65.340	24.641	0.22846	2.41395	53	X
K20T12W	18.0	0.15	K20CH	21.684	115.069	277.375	1.223	0.08682	2.55175	40	V
K20T12X	17.8	0.15	K20CH	26.607	342.258	42.281	11.320	0.13163	2.57542	40	V
K20T12Y	17.2	0.15	K20CH	17.526	2.457	34.140	8.476	0.16139	2.94967	40	V
K20T12Z	16.7	0.15	K20CH	36.136	0.347	15.213	13.217	0.14912	3.28346	41	V
K20U00D	23.1	0.15	K20CH	11.523	329.381	76.374	2.248	0.48143	2.27771	46	X
K20U01L	20.1	0.15	K20CH	337.862	335.170	193.365	16.658	0.69509	1.76948	55	X
K20U02N	22.5	0.15	K20CH	358.207	43.386	44.500	8.785	0.53646	2.44798	47	X
K20U06J	19.9	0.15	K20CH	7.023	48.358	38.033	22.682	0.40628	2.12784	51	X
K20U06R	20.8	0.15	K20CH	354.815	161.629	311.511	8.105	0.49123	1.77901	82	X
K20U07Y	19.4	0.15	K20CH	20.466	143.469	238.536	6.084	0.34342	2.65703	34	V
K20U07Z	17.9	0.15	K20CH	23.642	104.792	284.912	8.194	0.21611	2.57352	30	V
K20V00T	25.3	0.15	K20CH	7.794	197.846	229.187	4.135	0.38423	1.67572	29	X
K20V01X	22.8	0.15	K20CH	11.006	180.383	211.748	4.047	0.58854	2.50887	23	X
K20V03N	20.1	0.15	K20CH	341.559	196.580	348.328	11.179	0.67990	1.77692	22	X
K20V03Q	23.0	0.15	K20CH	355.104	207.251	243.028	7.723	0.34567	1.72940	23	X
K20V05C	20.5	0.15	K20CH	352.093	220.698	230.376	42.652	0.54422	2.75479	20	X
K20V05X	23.4	0.15	K20CH	73.359	312.408	24.592	3.860	0.23803	1.14185	20	X
K20V05Z	21.0	0.15	K20CH	149.627	44.679	246.172	22.638	0.29315	0.88907	18	X
K20V06Z	25.0	0.15	K20CH	356.512	223.997	238.177	0.484	0.53282	2.00902	18	X
K20W00G	21.6	0.15	K20CH	12.819	348.749	32.837	7.600	0.59781	2.49475	17	X
K20W00O	25.9	0.15	K20CH	352.041	99.850	5.001	1.667	0.35331	1.46508	17	X
K20W00V	23.8	0.15	K20CH	336.108	62.773	60.335	26.994	0.26269	1.37354	18	X
K20W01J	19.7	0.15	K20CH	9.705	356.686	69.672	31.257	0.58295	2.91612	19	X
K20W02E	21.8	0.15	K20CH	351.534	46.503	57.293	34.371	0.41446	1.71169	22	X
K20W02F	22.1	0.15	K20CH	2.934	7.725	55.853	24.818	0.57488	2.69615	14	X
K20W02H	20.1	0.15	K20CH	10.295	131.248	276.769	32.723	0.62844	2.79792	14	X
K20W03C	22.4	0.15	K20CH	355.534	193.112	252.970	16.828	0.19388	1.39997	12	X
K20W03E	25.5	0.15	K20CH	4.802	188.527	247.450	12.706	0.28966	1.47899	12	X
K20W03M	18.5	0.15	K20CH	354.057	165.834	319.338	40.344	0.49505	2.55810	12	X
K20W03O	23.2	0.15	K20CH	236.843	348.663	244.976	27.641	0.47758	0.75041	23	X
K20W04B	26.6	0.15	K20CH	339.093	71.743	67.832	3.054	0.42133	1.38913	8	X
K20W04J	20.9	0.15	K20CH	357.807	7.165	95.364	8.243	0.35573	1.89388	18	X
K20W05A	21.4	0.15	K20CH	351.475	167.433	307.741	5.755	0.50043	2.04097	7	X
K20W05L	21.3	0.15	K20CH	16.025	334.367	29.890	17.006	0.62727	2.46425	5	X
K20W05M	21.4	0.15	K20CH	10.814	316.310	67.082	15.522	0.69754	2.77690	4	X
K20W05S	21.0	0.15	K20CH	355.448	17.040	84.653	40.641	0.54348	2.54216	5	V

New observations:

J98W02A	C2020	12	02.51390	03	43	33.404+04	28	01.42	19.4	iUEX005F51
J98W02A	C2020	12	02.54017	03	43	33.391+04	27	10.20	19.4	iUEX005F51
J98W02A	C2020	12	02.55330	03	43	33.387+04	26	44.61	19.4	iUEX005F51
J98W02A	KC2020	12	03.08230	03	43	37.51 +04	09	50.3	18.4	GVEX005W34
J98W02A	KC2020	12	03.09688	03	43	37.53 +04	09	22.2	18.9	GVEX005W34
J98W02A	KC2020	12	03.11063	03	43	37.52 +04	08	56.3	19.2	GVEX005W34
K00P27Q	C2020	12	02.28588	01	45	10.340+31	35	57.29	20.1	iUEX005F52
K00P27Q	C2020	12	02.29716	01	45	11.178+31	35	51.46	20.3	iUEX005F52
K00P27Q	C2020	12	02.30851	01	45	11.979+31	35	45.89	19.9	iUEX005F52
K00P27Q	C2020	12	02.35142	01	45	15.122+31	35	23.78	20.4	iUEX005F51
K00P27Q	C2020	12	02.36390	01	45	16.033+31	35	17.45	20.6	iUEX005F51
K00P27Q	C2020	12	02.37651	01	45	16.969+31	35	10.49	20.7	iUEX005F51
K04A00C	C2020	12	02.30015509	55	51.91	+55	11	14.5	18.74	GVEX005G96
K04A00C	C2020	12	02.30652109	55	56.93	+55	11	22.6	19.36	GVEX005G96
K04A00C	C2020	12	02.31288109	56	01.99	+55	11	30.6	18.78	GVEX005G96
K04A00C	C2020	12	02.31925109	56	06.98	+55	11	38.5	18.85	GVEX005G96
K04A00C	C2020	12	02.34800709	56	29.53	+55	12	13.3		VEX005703
K04A00C	C2020	12	02.35372509	56	34.00	+55	12	20.7		VEX005703
K04A00C	C2020	12	02.35944209	56	38.49	+55	12	29.2	18.71	GVEX005703
K04A00C	C2020	12	02.36515509	56	43.09	+55	12	36.5	19.19	GVEX005703
K04A00C	C2020	12	02.56876	09	59	24.971+55	16	32.61	19.2	iUEX005F51
K04A00C	C2020	12	02.58299	09	59	36.180+55	16	48.92	19.2	iUEX005F51
K04A00C	C2020	12	02.59811	09	59	48.144+55	17	06.00	19.3	iUEX005F51
K05Q10S	S2020	11	30.56092	01	00	46.51 -31	22	07.5		LEX005C51
K05Q10S	S2020	11	30.56092	1	+ 5705.2796	+ 1384.4427	-	3550.9082		EX005C51
K05Q10S	S2020	11	30.69170	01	01	08.23 -31	18	41.1		LEX005C51
K05Q10S	S2020	11	30.69170	1	+ 5704.7354	+ 1397.1607	-	3546.7751		EX005C51
K05Q10S	S2020	12	01.08402	01	02	13.53 -31	08	21.1		LEX005C51
K05Q10S	S2020	12	01.08402	1	+ 5703.0606	+ 1435.3310	-	3534.1289		EX005C51
K05Q10S	S2020	12	01.14948	01	02	24.42 -31	06	37.3		LEX005C51
K05Q10S	S2020	12	01.14948	1	+ 5724.8548	+ 1440.8480	-	3496.3818		EX005C51
K05Q10S	S2020	12	01.21480	01	02	35.27 -31	04	53.0		LEX005C51
K05Q10S	S2020	12	01.21480	1	+ 5702.4409	+ 1448.0623	-	3529.9094		EX005C51
K05Q10S	S2020	12	01.28025	01	02	46.12 -31	03	09.7		LEX005C51
K05Q10S	S2020	12	01.28025	1	+ 5724.1893	+ 1453.6239	-	3492.1529		EX005C51

K05Q10S	S2020	12	01.34558	01	02	57.04	-31	01	25.2	LEX005C51	
K05Q10S	s2020	12	01.34558	1	+	5701.8266	+	1460.7961	-	3525.6294	EX005C51
K05Q10S	S2020	12	01.41103	01	03	07.82	-30	59	41.6	LEX005C51	
K05Q10S	s2020	12	01.41103	1	+	5723.5567	+	1466.4011	-	3487.8182	EX005C51
K05Q10S	S2020	12	01.47635	01	03	18.65	-30	57	56.9	LEX005C51	
K05Q10S	s2020	12	01.47635	1	+	5701.1938	+	1473.5328	-	3521.3235	EX005C51
K05Q10S	S2020	12	01.60713	01	03	40.30	-30	54	28.2	LEX005C51	
K05Q10S	s2020	12	01.60713	1	+	5700.5656	+	1486.2717	-	3516.9556	EX005C51
K05Q10S	S2020	12	01.67258	01	03	51.13	-30	52	43.8	LEX005C51	
K05Q10S	s2020	12	01.67258	1	+	5722.2184	+	1491.9663	-	3479.1107	EX005C51
K05Q10S	S2020	12	01.73790	01	04	01.93	-30	50	59.4	LEX005C51	
K05Q10S	s2020	12	01.73790	1	+	5699.9224	+	1499.0139	-	3512.5589	EX005C51
K05Q10S	S2020	12	01.73803	01	04	01.97	-30	50	59.5	LEX005C51	
K05Q10S	s2020	12	01.73803	1	+	5743.6454	+	1497.6468	-	3441.0805	EX005C51
K05Q10S	S2020	12	02.06491	01	04	56.03	-30	42	14.7	LEX005C51	
K05Q10S	s2020	12	02.06491	1	+	5720.1631	+	1530.3339	-	3465.7135	EX005C51
K05Q10S	S2020	12	02.13036	01	05	06.79	-30	40	29.6	LEX005C51	
K05Q10S	s2020	12	02.13036	1	+	5741.4925	+	1536.1447	-	3427.5946	EX005C51
K05Q10S	S2020	12	02.19568	01	05	17.63	-30	38	44.2	LEX005C51	
K05Q10S	s2020	12	02.19568	1	+	5719.4089	+	1543.1302	-	3461.2519	EX005C51
K06R01J	C2020	12	02.46494302	31	57.058+09	43	29.76			19.17iUEX005F51	
K06R01J	C2020	12	02.49793102	31	44.707+09	42	44.75			19.29iUEX005F51	
K07T08G	C2020	12	02.47922812	45	23.33	+28	15	24.5		19.65GVEX005703	
K07T08G	C2020	12	02.49418812	45	25.59	+28	14	40.8		19.26GVEX005703	
K08CB8Z	C2020	12	02.21328901	24	57.57	+50	32	24.5		19.37GVEX005G96	
K08CB8Z	C2020	12	02.21842601	24	56.71	+50	32	28.1		19.52GVEX005G96	
K08CB8Z	C2020	12	02.22356501	24	55.88	+50	32	31.3		19.52GVEX005G96	
K08CB8Z	C2020	12	02.22870501	24	55.05	+50	32	34.7		19.41GVEX005G96	
K10R80N	C2020	12	03.20897	21	21	44.845-09	33	25.62		22.4 wUEX005F51	
K10R80N	C2020	12	03.22172	21	21	47.478-09	33	03.92		22.0 wUEX005F51	
K10R80N	C2020	12	03.23448	21	21	50.119-09	32	42.22		22.0 wUEX005F51	
K10W03F	C2020	12	02.45966	02	05	18.864+12	54	01.54		20.5 iUEX005F51	
K10W03F	C2020	12	02.48178	02	05	15.900+12	54	13.32		20.3 iUEX005F51	
K10W03F	C2020	12	02.49276	02	05	14.443+12	54	19.77		20.6 iUEX005F51	
K13P06Y	C2020	12	02.32133002	53	28.82	+06	30	31.8		VEX005703	
K13P06Y	C2020	12	02.32747102	53	29.50	+06	30	33.8		18.81GVEX005703	
K13P06Y	C2020	12	02.33360902	53	30.08	+06	30	36.6		19.01GVEX005703	
K13P06Y	C2020	12	02.33974902	53	30.62	+06	30	38.8		18.66GVEX005703	
K13P06Y	C2020	12	02.48396602	53	44.21	+06	31	43.4		18.52oVEX005T08	
K13P06Y	C2020	12	02.49106402	53	44.87	+06	31	46.3		18.52oVEX005T08	
K13P06Y	C2020	12	02.49474802	53	45.17	+06	31	47.5		18.34oVEX005T08	
K13P06Y	C2020	12	02.50781602	53	46.34	+06	31	52.7		18.19oVEX005T08	
K13U14X	KC2020	12	03.12654	04	54	49.02	+37	31	31.7	17.2 GVEX005W34	
K13U14X	KC2020	12	03.13459	04	54	48.47	+37	31	34.8	17.0 GVEX005W34	
K13U14X	KC2020	12	03.14236	04	54	47.86	+37	31	37.6	17.1 GVEX005W34	
K13U14X	KC2020	12	03.19506504	54	44.82	+37	31	44.9		17.5 VqEX005U55	
K13U14X	KC2020	12	03.20075704	54	44.44	+37	31	46.8		17.2 VqEX005U55	
K13U14X	KC2020	12	03.20666004	54	43.99	+37	31	49.4		17.1 VqEX005U55	
K14J57H	C2020	12	02.54738014	24	47.80	+01	16	33.2		18.71rUEX005I41	
K14J57H	C2020	12	02.55208014	24	48.38	+01	16	30.4		18.69rUEX005I41	
K14J57H	C2020	12	02.55678014	24	48.97	+01	16	27.6		18.64rUEX005I41	
K14J57H	C2020	12	02.56148014	24	49.55	+01	16	24.8		18.55rUEX005I41	
K14L21W	C2020	08	05.80200	20	55	17.57	-05	15	30.9	17.4 GVEX005221	
K14L21W	C2020	08	05.80553	20	55	17.79	-05	15	36.3	17.4 GVEX005221	
K14L21W	C2020	08	05.80870	20	55	18.02	-05	15	41.0	17.5 GVEX005221	
K14L21W	C2020	08	05.81236	20	55	18.26	-05	15	46.5	17.6 GVEX005221	
K14L21W	C2020	08	05.86920	20	55	22.05	-05	17	10.9	17.5 GVEX005221	
K14L21W	C2020	08	05.87097	20	55	22.14	-05	17	13.3	17.5 GVEX005221	
K14L21W	C2020	08	05.87281	20	55	22.27	-05	17	16.2	17.7 GVEX005221	
K14L21W	C2020	08	05.87459	20	55	22.39	-05	17	18.9	17.5 GVEX005221	
K14L21W	C2020	08	05.87637	20	55	22.49	-05	17	21.3	17.6 GVEX005221	
K14L21W	C2020	08	05.94981	20	55	27.21	-05	19	10.1	17.5 GVEX005221	
K14L21W	C2020	08	05.95160	20	55	27.34	-05	19	12.8	17.5 GVEX005221	
K14L21W	C2020	08	05.95338	20	55	27.44	-05	19	15.4	17.4 GVEX005221	
K14L21W	C2020	08	05.95516	20	55	27.56	-05	19	18.1	17.6 GVEX005221	
K14L21W	C2020	08	10.80713	21	01	13.82	-07	16	27.6	18.1 GVEX005221	
K14L21W	C2020	08	10.88275	21	01	18.48	-07	18	14.9	18.1 GVEX005221	
K14L21W	C2020	08	10.88716	21	01	18.72	-07	18	21.2	18.1 GVEX005221	
K14L21W	C2020	08	10.89179	21	01	19.01	-07	18	27.9	18.1 GVEX005221	
K14L21W	C2020	08	10.96094	21	01	23.15	-07	20	05.7	17.9 GVEX005221	
K14L21W	C2020	08	10.96546	21	01	23.41	-07	20	11.7	18.0 GVEX005221	
K14L21W	C2020	08	10.96995	21	01	23.68	-07	20	18.1	18.1 GVEX005221	
K14L21W	C2020	08	11.79038	21	02	21.36	-07	39	30.3	18.0 GVEX005221	
K14L21W	C2020	08	11.80897	21	02	22.52	-07	39	56.5	18.0 GVEX005221	
K14L21W	C2020	08	11.83014	21	02	23.82	-07	40	25.8	18.0 GVEX005221	
K14L21W	C2020	08	11.85130	21	02	25.11	-07	40	55.8	18.0 GVEX005221	
K14L21W	C2020	08	11.86918	21	02	26.19	-07	41	20.9	18.0 GVEX005221	
K14L21W	C2020	08	11.88662	21	02	27.23	-07	41	45.4	18.1 GVEX005221	
K14L21W	C2020	08	11.90793	21	02	28.50	-07	42	15.4	17.9 GVEX005221	
K15B04F	C2020	12	02.32221602	49	25.22	+12	54	24.3		18.69GVEX005703	
K15B04F	C2020	12	02.32835702	49	25.76	+12	54	17.0		19.58GVEX005703	
K15B04F	C2020	12	02.34063702	49	26.71	+12	54	00.9		18.96GVEX005703	
K16N00F	C2020	12	03.21527	21	48	56.267-05	32	36.34		21.1 wUEX005F52	
K16N00F	C2020	12	03.22611	21	48	59.091-05	32	23.33		20.5 wUEX005F52	
K16N00F	C2020	12	03.23694	21	49	01.878-05	32	10.84		20.5 wUEX005F52	
K17B03K	KC2017	04	01.26586	08	48	11.21	+16	41	26.5	oEX005291	
K17B03K	KC2017	04	01.28118	08	48	12.06	+16	41	05.5	oEX005291	
K17S19E	KC2020	12	03.01153	01	46	42.50	-06	53	00.9	17.5 GVEX005W46	
K17S19E	KC2020	12	03.03216	01	46	40.43	-06	52	38.7	18.4 GVEX005W46	
K17S19E	KC2020	12	03.04986	01	46	38.49	-06	52	20.6	18.5 GVEX005W46	
K17V12T	C2020	11	29.77507	00	51	33.33	+42	51	42.6	VEX005K74	
K17V12T	C2020	11	29.77761	00	51	31.56	+42	51	44.3	VEX005K74	
K17V12T	C2020	11	29.78313	00	51	27.68	+42	51	48.0	VEX005K74	

K17V12T	C2020	11	29.78618	00	51	25.51	+42	51	50.0	VEX005K74
K17V12T	C2020	12	02.16933400	22	59.21	+43	05	06.3	18.20GVEX005G96	
K17V12T	C2020	12	02.17453300	22	55.21	+43	05	05.9	18.28GVEX005G96	
K17V12T	C2020	12	02.17973000	22	51.21	+43	05	05.4	18.15GVEX005G96	
K17V12T	C2020	12	02.18492500	22	47.20	+43	05	05.1	18.25GVEX005G96	
K17V12T	C2020	12	02.18995400	22	43.50	+43	05	06.5	18.89GVEX005703	
K17V12T	C2020	12	02.19526500	22	39.30	+43	05	05.6	18.25GVEX005703	
K17V12T	C2020	12	02.20057500	22	35.31	+43	05	04.4	18.38GVEX005703	
K17V12T	C2020	12	02.20588700	22	31.27	+43	05	03.9	18.88GVEX005703	
K17V12T	C2020	12	02.20962300	22	28.01	+43	05	01.6	17.91GVEX005703	
K17V12T	C2020	12	02.21513800	22	23.89	+43	05	01.3	18.34GVEX005703	
K17V12T	C2020	12	02.22065700	22	19.66	+43	05	01.6	18.32GVEX005703	
K17V12T	C2020	12	02.22617800	22	15.39	+43	05	00.6	18.57GVEX005703	
K17W16J	KC2020	11	29.73009	00	35	52.58	+52	57	37.6	17.6 GVEX005K74
K17W16J	KC2020	11	29.73136	00	35	50.12	+52	57	27.3	17.6 GVEX005K74
K17W16J	KC2020	11	29.73642	00	35	40.36	+52	56	46.0	18.3 GVEX005K74
K17W16J	KC2020	11	29.73897	00	35	35.42	+52	56	25.4	17.7 GVEX005K74
K17W16J	KC2020	11	29.74240	00	35	28.87	+52	55	57.2	17.8 GVEX005K74
K17W16J	C2020	12	02.15170123	45	21.55	+47	32	51.1	18.49GVEX005G96	
K17W16J	C2020	12	02.15705223	45	16.03	+47	32	10.6	17.85GVEX005G96	
K17W16J	C2020	12	02.16239923	45	10.54	+47	31	30.4	VEX005G96	
K17W16J	C2020	12	02.16774123	45	05.12	+47	30	49.3	19.33GVEX005G96	
K17W16J	KC2020	12	03.01780	23	34	16.53	+45	54	56.5	18.2 GVEX005W34
K17W16J	KC2020	12	03.02480	23	34	10.57	+45	54	11.8	18.2 GVEX005W34
K17W16J	KC2020	12	03.03230	23	34	04.14	+45	53	22.7	18.5 GVEX005W34
K18V01B	KC2020	12	02.77128502	28	47.01	+58	41	43.5	18.8 GVEX005B49	
K18V01B	KC2020	12	02.79961802	27	50.20	+58	41	16.8	18.8 GVEX005B49	
K20003W	C2020	12	02.23581301	41	06.73	+47	58	13.0	20.43GVEX005G96	
K20003W	C2020	12	02.24100501	41	07.41	+47	58	06.3	20.44GVEX005G96	
K20003W	C2020	12	02.24620501	41	08.12	+47	57	58.7	19.97GVEX005G96	
K20003W	C2020	12	02.25140001	41	08.80	+47	57	52.3	20.35GVEX005G96	
K20007S	KC2020	12	03.14670300	05	37.84	-08	20	27.3	20.35GVEX005I52	
K20007S	KC2020	12	03.14922800	05	38.47	-08	20	23.8	20.23GVEX005I52	
K20007S	KC2020	12	03.15175400	05	39.04	-08	20	20.1	20.07GVEX005I52	
K20007S	KC2020	12	03.15427600	05	39.70	-08	20	16.0	19.54GVEX005I52	
K20008C	KC2020	11	29.81116	02	28	56.01	-10	57	40.6	18.2 GVEX005K74
K20008C	KC2020	11	29.81270	02	28	56.49	-10	57	37.7	18.2 GVEX005K74
K20008C	KC2020	11	29.81463	02	28	57.05	-10	57	34.7	18.5 GVEX005K74
K20008C	KC2020	12	02.04308302	39	46.84	-09	57	09.4	18.7 GVEX005W33	
K20008C	KC2020	12	02.04673402	39	47.82	-09	57	04.8	18.0 GVEX005W33	
K20008C	KC2020	12	02.05038702	39	48.74	-09	56	58.1	19.3 GVEX005W33	
K20Q04M	C2020	12	02.28778	01	24	37.964+35	26	57.98	20.5 iUEX005F51	
K20Q04M	C2020	12	02.30049	01	24	37.629+35	26	58.29	20.2 iUEX005F51	
K20Q04M	C2020	12	02.31312	01	24	37.311+35	26	57.98	20.2 iUEX005F51	
K20Q04M	C2020	12	02.32596	01	24	37.014+35	26	57.92	20.1 iUEX005F51	
K20S000	KC2020	11	30.95017407	35	44.51	+32	11	54.7	14.3 GVEX005Z80	
K20S000	KC2020	11	30.95248807	36	46.83	+32	13	06.2	14.2 GVEX005Z80	
K20S000	KC2020	11	30.95480307	37	49.60	+32	14	16.0	14.1 GVEX005Z80	
K20S000	C2020	11	30.96057	07	40	20.00	+32	17	26.2	14.4 GVEX005970
K20S000	C2020	11	30.96122	07	40	37.87	+32	17	44.1	12.9 GVEX005970
K20S000	KC2020	11	30.96185207	41	03.45	+32	17	36.1	14.2 GVEX005Z80	
K20S000	KC2020	11	30.96621507	43	05.50	+32	19	30.4	14.6 GVEX005Z80	
K20S000	KC2020	11	30.97634307	47	55.22	+32	23	23.7	14.6 GVEX005Z80	
K20S000	C2020	12	01.02164	08	11	22.86	+32	29	50.6	14.0 GVEX005970
K20S000	V2020	12	01.03467508	16	17.18	+32	55	41.7	14.2 VEX005247	
K20S000	V2020	12	01.0346751	016.33606	+48.20451				EX005247	
K20S000	V2020	12	01.05206308	26	31.67	+32	48	05.8	14.8 VEX005247	
K20S000	V2020	12	01.0520631	016.33606	+48.20451				EX005247	
K20S000	KC2020	12	03.06580423	01	14.82	-26	10	55.4	15.79GVEX005I52	
K20S000	KC2020	12	03.06620123	01	15.25	-26	10	47.4	15.80GVEX005I52	
K20S000	KC2020	12	03.06659723	01	15.77	-26	10	39.2	15.76GVEX005I52	
K20S000	KC2020	12	03.06698823	01	16.24	-26	10	31.5	15.84GVEX005I52	
K20T05H	KC2020	12	03.16937700	27	01.56	-09	32	13.3	20.92GVEX005I52	
K20T05H	KC2020	12	03.17523500	27	01.37	-09	32	15.2	21.10GVEX005I52	
K20T07Q	KC2020	12	02.53900408	27	00.58	+59	56	40.6	19.77GVEX005I52	
K20T12B	KC2020	12	03.23595	02	30	32.93	-24	23	51.5	20.4 RoEX005291
K20T12B	KC2020	12	03.24575	02	30	32.12	-24	23	57.3	19.9 RoEX005291
K20T12B	KC2020	12	03.25554	02	30	31.28	-24	24	04.0	20.5 RoEX005291
K20U00D	3C2020	11	20.04137	03	50	49.24	+15	52	54.4	20.5 RcEX005J04
K20U00D	3C2020	11	20.05306	03	50	50.26	+15	53	06.4	20.4 RcEX005J04
K20U01L	KC2020	12	03.21647	01	33	55.81	-27	28	27.7	20.5 RoEX005691
K20U01L	KC2020	12	03.23248	01	33	52.28	-27	29	04.6	oEX005691
K20U02N	C2020	12	02.27916702	20	03.296+34	06	54.13		19.75iUEX005F52	
K20U02N	C2020	12	02.29036802	20	03.231+34	07	33.28		19.82iUEX005F52	
K20U02N	C2020	12	02.29505	02	20	03.204+34	07	49.30	20.4 iUEX005F51	
K20U02N	C2020	12	02.30165602	20	03.178+34	08	12.20		20.24iUEX005F52	
K20U02N	C2020	12	02.30761	02	20	03.110+34	08	32.73	20.2 iUEX005F51	
K20U02N	C2020	12	02.31301002	20	03.082+34	08	51.31		19.90iUEX005F52	
K20U02N	C2020	12	02.32041	02	20	03.022+34	09	16.91	20.2 iUEX005F51	
K20U02N	C2020	12	02.33341	02	20	02.948+34	10	01.46	20.4 iUEX005F51	
K20U06J	C2020	12	02.36479310	58	55.34	+53	26	10.9	20.48GVEX005G96	
K20U06J	C2020	12	02.37004010	58	56.92	+53	26	14.4	21.26GVEX005G96	
K20U06J	C2020	12	02.37529910	58	58.54	+53	26	17.7	20.53GVEX005G96	
K20U06J	C2020	12	02.38054210	59	00.08	+53	26	21.3	21.32GVEX005G96	
K20U06R	KC2020	12	02.54100913	10	11.09	+39	55	07.7	19.98GVEX005I52	
K20U06R	KC2020	12	02.54227113	10	11.37	+39	54	57.0	19.96GVEX005I52	
K20U06R	KC2020	12	02.54353213	10	11.67	+39	54	46.8	20.14GVEX005I52	
K20V00T	KC2020	12	03.25753004	17	05.11	-09	17	43.7	19.45GVEX005I52	
K20V00T	KC2020	12	03.26294704	17	08.42	-09	17	56.0	19.54GVEX005I52	
K20V00T	KC2020	12	03.26836604	17	11.75	-09	18	07.4	20.56GVEX005I52	
K20V01X	KC2020	12	03.22358	02	29	38.55	-03	25	16.9	20.4 RoEX005691
K20V01X	KC2020	12	03.23961	02	29	45.72	-03	24	40.9	20.3 RoEX005691
K20V01X	KC2020	12	03.25562	02	29	52.85	-03	24	05.7	21.0 RoEX005691

K20V03N	C2020	12	02.34470610	41	32.97	+53	56	56.5
K20V03N	C2020	12	02.34998710	41	37.43	+53	56	52.9
K20V03N	C2020	12	02.35525810	41	41.91	+53	56	49.3
K20V03N	C2020	12	02.36053310	41	46.37	+53	56	45.2
K20V03Q	C2020	12	02.46946402	44	45.440+13		17	59.13
K20V03Q	C2020	12	02.48047902	44	46.315+13		17	32.27
K20V03Q	C2020	12	02.49146302	44	47.196+13		17	05.65
K20V03Q	C2020	12	02.50244302	44	48.089+13		16	38.84
K20V03Q	KC2020	12	03.13091602	45	50.87	+12	51	29.7
K20V03Q	KC2020	12	03.13301802	45	51.00	+12	51	24.2
K20V05C	KC2020	12	03.06917500	42	19.23	+05	44	36.0
K20V05C	KC2020	12	03.07589700	42	19.77	+05	44	07.4
K20V05C	KC2020	12	03.07925900	42	19.95	+05	43	54.3
K20V05X	KC2020	12	03.20644300	46	53.43	+27	45	38.4
K20V05X	KC2020	12	03.20854700	46	54.26	+27	45	41.8
K20V05X	KC2020	12	03.21065000	46	54.97	+27	45	43.0
K20V05X	KC2020	12	03.21275200	46	55.75	+27	45	45.0
K20V05Z	KC2020	12	02.49783608	50	57.24	-11	38	49.3
K20V05Z	KC2020	12	02.49909908	50	57.02	-11	38	54.9
K20V05Z	KC2020	12	02.50036108	50	56.76	-11	39	01.2
K20V05Z	KC2020	12	02.50162208	50	56.53	-11	39	06.5
K20V06Z	KC2020	12	01.99490602	40	51.59	+03	55	21.7
K20V06Z	KC2020	12	01.99918902	41	00.82	+03	53	41.1
K20V06Z	KC2020	12	02.00346902	41	10.03	+03	52	00.5
K20V06Z	C2020	12	02.30322902	54	32.26	+01	24	36.0
K20V06Z	C2020	12	02.30357602	54	33.29	+01	24	23.7
K20V06Z	C2020	12	02.40386603	00	21.78	+00	17	51.6
K20V06Z	C2020	12	02.40421303	00	23.13	+00	17	37.8
K20W00G	KC2020	12	03.19235900	49	01.61	+31	15	13.9
K20W00G	KC2020	12	03.19362000	49	02.16	+31	15	17.5
K20W00G	KC2020	12	03.19488200	49	02.72	+31	15	22.1
K20W00G	KC2020	12	03.19614400	49	03.29	+31	15	26.5
K20W00O	KC2020	12	03.10025220	48	18.24	+70	07	59.1
K20W00O	KC2020	12	03.10173920	48	10.42	+70	08	02.9
K20W00O	KC2020	12	03.10322720	48	02.24	+70	08	06.8
K20W00V	C2020	12	02.25628602	12	38.83	+42	55	11.2
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K20W00V	C2020	12	02.26604902	12	32.04	+42	56	33.3
K20W01J	C2020	12	02.55909 10	31	56.676+42		44	01.30
K20W01J	C2020	12	02.57332 10	32	00.144+42		44	36.19
K20W01J	C2020	12	02.58755 10	32	03.565+42		45	11.25
K20W02E	KC2020	12	03.16038323	38	01.57	+38	24	48.5
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K20W02E	KC2020	12	03.17812323	37	48.36	+38	27	01.0
K20W02F	KC2020	12	03.19794200	52	39.29	+21	28	15.7
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K20W02F	KC2020	12	03.20214600	52	39.06	+21	28	44.9
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K20W02H	KC2020	12	02.52795910	17	42.61	+29	06	26.7
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K20W03C	KC2020	12	03.24564602	30	54.43	+26	48	05.9
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K20W03E	KC2020	12	03.28951904	12	17.44	+09	20	36.1
K20W03E	KC2020	12	03.29100004	12	18.00	+09	20	19.2
K20W03M	C2020	12	02.42999812	07	28.79	+49	28	43.4
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K20W03M	C2020	12	02.44047612	07	29.54	+49	28	28.1
K20W03M	C2020	12	02.44571812	07	29.93	+49	28	19.8
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K20W03M	KC2020	12	02.49393012	07	33.35	+49	27	07.1
K20W03M	KC2020	12	02.49571412	07	33.50	+49	27	04.1
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K20W04B	KC2020	12	02.01115104	25	05.79	+32	14	52.8
K20W04B	KC2020	12	02.01499804	25	09.15	+32	17	54.2
K20W04B	KC2020	12	02.01885804	25	12.57	+32	20	56.8
K20W04J	KC2020	12	02.50326708	35	14.71	+13	54	26.1
K20W04J	KC2020	12	02.50479108	35	14.93	+13	54	26.9
K20W04J	KC2020	12	02.50784108	35	15.46	+13	54	28.9
K20W05A	KC2020	12	02.02724104	59	57.78	+57	24	04.3
K20W05A	KC2020	12	02.03089704	59	58.73	+57	24	13.8
K20W05A	KC2020	12	02.03455204	59	59.83	+57	24	22.6
K20W05L	KC2020	12	03.05867423	46	45.92	+47	05	28.0
K20W05L	KC2020	12	03.06045523	46	46.73	+47	05	32.7
K20W05L	KC2020	12	03.06223723	46	47.47	+47	05	37.5
K20W05L	KC2020	12	03.06401923	46	48.21	+47	05	42.2
K20W05M	.C2020	12	02.56314 10	56	20.68	+32	21	54.7
K20W05M	.C2020	12	02.56429 10	56	20.11	+32	22	06.2
K20W05M	.C2020	12	02.56661 10	56	18.96	+32	22	30.4
K20W05M	.C2020	12	02.56776 10	56	18.39	+32	22	42.6
00887	C2020	12	02.27529823	35	10.26	-18	48	23.3
00887	C2020	12	02.27943423	35	10.48	-18	48	19.7
00887	C2020	12	02.28538623	35	10.78	-18	48	14.7
00887	C2020	12	02.29593723	35	11.33	-18	48	05.8
01865	C2020	12	03.20825 21	10	17.088-06		07	24.66
01865	C2020	12	03.22993 21	10	19.949-06		07	22.07
01865	C2020	12	03.24077 21	10	21.362-06		07	20.78
01980	C2020	12	02.63238311	32	50.00	-24	24	28.7
01980	C2020	12	02.63790311	32	50.37	-24	24	34.2
01980	C2020	12	02.65396411	32	51.42	-24	24	49.2

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16.8 GVEX005W33
17.4 GVEX005W33
17.1 GVEX005W33
20.17GVEX005I52
VEX005I52
VEX005I52
18.8 GVEX005W33
18.2 GVEX005W33
17.7 GVEX005W33
20.78GVEX005I52
19.96GVEX005I52
20.20GVEX005I52
20.39GVEX005I52
18.8 GVEX005F65
18.9 GVEX005F65
19.0 GVEX005F65
19.0 GVEX005F65
15.66oVEX005T05
15.66oVEX005T05
15.63oVEX005T05
15.69oVEX005T05
20.7 wUEX005F52
19.9 wUEX005F52
19.7 wUEX005F52
17.71oVEX005T05
17.71oVEX005T05
17.78oVEX005T05

01980	C2020	12	02.66131411	32	51.93	-24	24	55.8	18.16ovEX005T05	
01981	C2020	12	03.21080	21	19	14.588	-05	20	00.48	18.4 wUEX005F52
01981	C2020	12	03.22164	21	19	16.655	-05	19	35.38	18.1 wUEX005F52
01981	C2020	12	03.24332	21	19	20.795	-05	18	45.18	17.8 wUEX005F52
02329	C2020	12	02.54645913	44	41.86	-03	56	59.4	19.50rUEX005I41	
02329	C2020	12	02.55115013	44	42.38	-03	57	00.9	19.25rUEX005I41	
02329	C2020	12	02.56053013	44	43.40	-03	57	03.5	19.17rUEX005I41	
02329	C2020	12	02.56524013	44	43.92	-03	57	04.7	19.07rUEX005I41	
04055	C2020	12	02.37058003	01	17.36	-28	22	06.7	16.47ovEX005T05	
04055	C2020	12	02.37378003	01	17.23	-28	22	04.6	16.56ovEX005T05	
04055	C2020	12	02.37926703	01	17.03	-28	22	00.3	16.47ovEX005T05	
04055	C2020	12	02.41049503	01	15.92	-28	21	36.5	16.88ovEX005T05	
04953	C2020	12	02.28952500	20	03.39	-31	39	59.6	15.15ovEX005T05	
04953	C2020	12	02.29318500	20	02.46	-31	39	53.3	15.18ovEX005T05	
04953	C2020	12	02.30096900	20	00.49	-31	39	40.1	15.23ovEX005T05	
04953	C2020	12	02.31154200	19	57.82	-31	39	22.0	15.32ovEX005T05	
05131	C2020	12	02.62422911	38	10.24	+15	19	01.1	17.00ovEX005T08	
05131	C2020	12	02.64326111	38	14.61	+15	19	06.7	17.19ovEX005T08	
05131	C2020	12	02.65113011	38	16.42	+15	19	09.2	17.01ovEX005T08	
05131	C2020	12	02.65983711	38	18.41	+15	19	11.7	17.04ovEX005T08	
05645	KC2020	08	06.10786501	49	40.49	-18	37	06.3	18.8 GVEX005C95	
05645	KC2020	08	06.11835101	49	41.84	-18	37	07.3	18.8 GVEX005C95	
05645	KC2020	08	06.12885401	49	43.25	-18	37	07.4	18.9 GVEX005C95	
07350	C2020	12	02.54598013	42	06.33	-08	17	34.5	19.28rUEX005I41	
07350	C2020	12	02.55068113	42	07.39	-08	17	39.2	19.18rUEX005I41	
07350	C2020	12	02.55538013	42	08.47	-08	17	43.6	19.18rUEX005I41	
07350	C2020	12	02.56006913	42	09.56	-08	17	48.1	19.19rUEX005I41	
07753	C2020	11	25.60942409	57	44.34	+07	28	06.0	14.98cVEX005T05	
07753	C2020	11	25.61263509	57	40.61	+07	28	36.8	15.00cVEX005T05	
07753	C2020	11	25.61858409	57	33.71	+07	29	33.9	14.98cVEX005T05	
07753	C2020	11	25.64166209	57	06.90	+07	33	15.3	14.96cVEX005T05	
07753	C2020	11	26.58523909	40	01.23	+09	58	14.1	14.96ovEX005T05	
07753	C2020	11	26.58891109	39	57.15	+09	58	46.7	15.39ovEX005T05	
07753	C2020	11	26.60625209	39	37.86	+10	01	21.1	14.96ovEX005T05	
07753	C2020	11	26.61514109	39	27.97	+10	02	40.0	14.95ovEX005T05	
07753	C2020	11	30.46814308	38	20.28	+17	48	14.8	14.06ovEX005T05	
07753	C2020	11	30.46997508	38	18.68	+17	48	25.6	14.06ovEX005T05	
07753	C2020	11	30.47551408	38	13.88	+17	48	57.9	14.08ovEX005T05	
07753	C2020	11	30.50708508	37	46.43	+17	52	01.0	14.06ovEX005T05	
07977	C2020	12	02.20045321	16	45.34	-33	57	59.1	17.32ovEX005T05	
07977	C2020	12	02.20594021	16	46.62	-33	57	58.0	17.22ovEX005T05	
07977	C2020	12	02.20913921	16	47.34	-33	57	57.7	17.30ovEX005T05	
07977	C2020	12	02.21975821	16	49.77	-33	57	55.2	17.27ovEX005T05	
08014	3C2020	11	20.03477	03	53	49.15	+17	19	02.7	17.5 RcEX005J04
08014	3C2020	11	20.04646	03	53	47.80	+17	18	57.8	17.3 RcEX005J04
08014	3C2020	11	20.05815	03	53	46.45	+17	18	53.0	17.5 RcEX005J04
08014	3C2020	11	20.07331	03	53	44.74	+17	18	47.1	18.2 RcEX005J04
08014	C2020	12	02.45802	03	35	46.317	+16	11	47.50	18.5 iUEX005F52
08014	C2020	12	02.46890	03	35	45.543	+16	11	44.92	18.5 iUEX005F52
08014	C2020	12	02.47986	03	35	44.765	+16	11	42.08	18.4 iUEX005F52
08014	C2020	12	02.49074	03	35	44.004	+16	11	39.47	18.5 iUEX005F52
08014	C2020	12	02.51586203	35	42.22	+16	11	32.5	18.36ovEX005T08	
08014	C2020	12	02.51923103	35	42.02	+16	11	32.9	18.38ovEX005T08	
08014	C2020	12	02.52570403	35	41.56	+16	11	30.9	18.75ovEX005T08	
08014	C2020	12	02.56037703	35	39.05	+16	11	23.0	18.37ovEX005T08	
10115	C2020	12	02.23464401	15	34.55	+32	56	34.8	18.46GVEX005703	
10115	C2020	12	02.24024601	15	34.18	+32	56	31.5	18.60GVEX005703	
10115	C2020	12	02.24584201	15	33.94	+32	56	29.1	18.78GVEX005703	
10115	C2020	12	02.25143901	15	33.58	+32	56	25.3	18.32GVEX005703	
10115	C2020	12	02.39780601	15	25.78	+32	55	08.1	18.55ovEX005T08	
10115	C2020	12	02.40985801	15	25.07	+32	55	01.1	18.25ovEX005T08	
10115	C2020	12	02.41308401	15	24.94	+32	54	59.3	18.18ovEX005T08	
10115	C2020	12	02.41738	01	15	24.714	+32	54	56.66	18.2 iUEX005F51
10115	C2020	12	02.41954601	15	24.59	+32	54	55.4	18.14ovEX005T08	
10115	C2020	12	02.42904	01	15	24.072	+32	54	50.03	18.2 iUEX005F51
10115	C2020	12	02.44054	01	15	23.445	+32	54	43.50	18.2 iUEX005F51
10115	C2020	12	02.45204	01	15	22.816	+32	54	36.88	18.2 iUEX005F51
10150	C2020	12	02.52869908	19	02.46	+03	34	32.6	18.41ovEX005T08	
10150	C2020	12	02.53903508	19	01.99	+03	34	42.0	18.57ovEX005T08	
10150	C2020	12	02.56097208	19	00.83	+03	35	02.9	18.75ovEX005T08	
10150	C2020	12	02.57503308	19	00.13	+03	35	16.0	18.39ovEX005T08	
11405	C2020	12	02.23120622	08	26.23	-28	15	58.4	18.16ovEX005T05	
11405	C2020	12	02.23443122	08	26.80	-28	15	56.0	18.43ovEX005T05	
11405	C2020	12	02.24038322	08	27.67	-28	15	51.3	18.28ovEX005T05	
11405	C2020	12	02.24404422	08	28.28	-28	15	49.1	18.40ovEX005T05	
11405	C2020	12	02.25003722	08	29.15	-28	15	45.6	18.21ovEX005T05	
12538	C2020	12	02.50880207	04	36.63	-22	45	59.4	16.40ovEX005T05	
12538	C2020	12	02.51341707	04	36.66	-22	46	16.0	16.36ovEX005T05	
12538	C2020	12	02.51848807	04	36.70	-22	46	34.2	16.34ovEX005T05	
16834	C2020	12	02.42738602	41	47.65	+27	51	40.9	18.02ovEX005T08	
16834	C2020	12	02.43061502	41	47.37	+27	51	37.7	18.14ovEX005T08	
16834	C2020	12	02.43845402	41	46.73	+27	51	30.3	18.04ovEX005T08	
16834	C2020	12	02.45090902	41	45.66	+27	51	17.9	17.92ovEX005T08	
21088	C2020	12	02.53244609	29	39.86	+24	43	06.3	17.26ovEX005T08	
21088	C2020	12	02.53520809	29	39.82	+24	43	04.2	17.32ovEX005T08	
21088	C2020	12	02.54370609	29	39.56	+24	42	58.8	17.39ovEX005T08	
21088	C2020	12	02.54877909	29	39.41	+24	42	55.4	17.33ovEX005T08	
23187	C2020	12	02.19816621	13	50.44	-31	32	50.0	18.25ovEX005T05	
23187	C2020	12	02.20731121	13	51.49	-31	32	58.6	18.34ovEX005T05	
23187	C2020	12	02.21051021	13	51.79	-31	33	01.0	18.33ovEX005T05	
23187	C2020	12	02.22389021	13	53.19	-31	33	13.0	18.30ovEX005T05	
24445	C2020	12	02.54552013	17	50.84	-15	19	46.3	19.06rUEX005I41	
24445	C2020	12	02.55020913	17	51.27	-15	19	47.6	19.31rUEX005I41	
24445	C2020	12	02.55491013	17	51.73	-15	19	49.4	18.98rUEX005I41	

24445	C2020	12	02.55961013	17	52.15	-15	19	50.9	19.14rUEX005I41	
24445	C2020	12	02.56431013	17	52.56	-15	19	52.6	19.13rUEX005I41	
30825	C2020	12	03.21464	21	45	23.581	-08	59	15.86	18.7 wUEX005F52
30825	C2020	12	03.22548	21	45	25.003	-08	59	11.00	18.7 wUEX005F52
30825	C2020	12	03.23630	21	45	26.423	-08	59	06.19	18.6 wUEX005F52
30825	C2020	12	03.24714	21	45	27.850	-08	59	01.32	18.7 wUEX005F52
31669	C2020	12	02.54645913	49	04.08	-04	09	34.6	18.08rUEX005I41	
31669	C2020	12	02.55115013	49	05.07	-04	09	39.9	18.10rUEX005I41	
31669	C2020	12	02.55584013	49	06.04	-04	09	45.0	18.09rUEX005I41	
31669	C2020	12	02.56053013	49	07.02	-04	09	50.1	18.12rUEX005I41	
31669	C2020	12	02.56524013	49	07.98	-04	09	55.4	18.08rUEX005I41	
35107	C2020	12	02.23120621	45	33.72	-31	34	42.1	18.42oVEX005T05	
35107	C2020	12	02.23443121	45	34.67	-31	34	38.3	18.19oVEX005T05	
35107	C2020	12	02.24038321	45	36.44	-31	34	34.8	18.09oVEX005T05	
35107	C2020	12	02.24312621	45	37.27	-31	34	31.0	18.36oVEX005T05	
36284	C2020	12	02.06014420	08	12.53	+68	23	36.9	18.18GVEX005703	
36284	C2020	12	02.06633320	08	14.27	+68	23	34.9	18.30GVEX005703	
36284	C2020	12	02.07870620	08	17.54	+68	23	31.2	18.24GVEX005703	
66251	C2020	12	03.20617	21	01	08.789	-13	36	45.25	19.9 wUEX005F51
66251	C2020	12	03.21889	21	01	11.563	-13	36	39.86	19.9 wUEX005F51
66251	C2020	12	03.23164	21	01	14.332	-13	36	34.53	20.0 wUEX005F51
66251	C2020	12	03.24443	21	01	17.126	-13	36	29.21	20.0 wUEX005F51
69230	1C2020	11	09.40743	21	52	08.19	-13	55	41.4	VEX005Q62
69230	1C2020	11	09.40951	21	52	07.56	-13	55	41.7	17.4 GVEX005Q62
85275	C2020	12	02.37058003	11	23.72	-31	53	58.8	16.95oVEX005T05	
85275	C2020	12	02.37378003	11	23.74	-31	53	51.5	16.95oVEX005T05	
85275	C2020	12	02.37926703	11	23.72	-31	53	38.5	16.81oVEX005T05	
85275	C2020	12	02.41049503	11	23.66	-31	52	24.7	16.91oVEX005T05	
87311	C2020	12	03.21438	21	38	52.905	-10	47	07.18	21.2 wUEX005F51
87311	C2020	12	03.22711	21	38	53.838	-10	47	04.13	21.4 wUEX005F51
87311	C2020	12	03.23992	21	38	54.741	-10	47	01.47	21.1 wUEX005F51
87311	C2020	12	03.25289	21	38	55.661	-10	46	58.51	21.2 wUEX005F51
87684	C2020	12	02.30602000	40	01.45	-32	13	27.1	17.50oVEX005T05	
87684	C2020	12	02.30922500	40	01.21	-32	13	24.8	17.40oVEX005T05	
87684	C2020	12	02.31520200	40	00.75	-32	13	19.8	17.39oVEX005T05	
87684	C2020	12	02.32618600	39	59.95	-32	13	10.8	17.44oVEX005T05	
99935	C2020	12	02.54234	10	24	40.676	+29	47	08.38	18.7 iUEX005F52
99935	C2020	12	02.55385	10	24	40.700	+29	47	14.68	18.7 iUEX005F52
99935	C2020	12	02.56535	10	24	40.711	+29	47	21.01	18.8 iUEX005F52
99935	C2020	12	02.57684	10	24	40.734	+29	47	27.26	18.7 iUEX005F52
D7062	C2020	11	30.55655013	42	11.08	+07	30	10.8	18.57rUEX005I41	
D8095	C2020	12	02.21700422	30	13.14	-38	22	57.9	17.32oVEX005T05	
D8095	C2020	12	02.22113922	30	13.36	-38	22	31.7	17.19oVEX005T05	
D8095	C2020	12	02.22663422	30	13.68	-38	21	56.8	17.23oVEX005T05	
D8095	C2020	12	02.23763822	30	14.28	-38	20	47.5	17.42oVEX005T05	
D8095	C2020	12	02.24727422	30	14.92	-38	19	45.9	17.47oVEX005T05	
D8095	C2020	12	02.25602522	30	15.35	-38	18	52.0	17.47oVEX005T05	
D8095	C2020	12	02.26796122	30	16.04	-38	17	35.6	17.56oVEX005T05	
E1052	C2020	12	02.36354	00	08	10.803	+30	58	52.49	19.7 iUEX005F52
E1052	C2020	12	02.37387	00	08	11.020	+30	58	40.86	20.1 iUEX005F52
E1052	C2020	12	02.38423	00	08	11.253	+30	58	29.94	19.9 iUEX005F52
E3404	3C2020	11	20.03570	04	00	20.42	+16	51	31.8	20.6 RcEX005J04
E3404	3C2020	11	20.04739	04	00	19.42	+16	51	27.9	20.6 RcEX005J04
E3678	C2020	12	02.53027912	59	43.81	+02	11	13.9	18.91GVEX005G96	
E3678	C2020	12	02.53598812	59	44.94	+02	11	03.2	18.98GVEX005G96	
E3678	C2020	12	02.54170112	59	46.06	+02	10	52.8	19.16GVEX005G96	
E3678	C2020	12	02.54740612	59	47.18	+02	10	42.2	19.29GVEX005G96	
E4411	C2020	12	02.29884802	06	56.97	+27	48	37.3	18.21GVEX005703	
E4411	C2020	12	02.30430002	06	56.82	+27	48	31.9	17.92GVEX005703	
E4411	C2020	12	02.30975102	06	56.67	+27	48	28.5	18.57GVEX005703	
E4411	C2020	12	02.31520602	06	56.57	+27	48	22.9	17.99GVEX005703	
E4411	C2020	12	02.42462302	06	54.62	+27	46	51.7	18.22oVEX005T08	
E4411	C2020	12	02.42784902	06	54.53	+27	46	48.9	18.53oVEX005T08	
E4411	C2020	12	02.43107502	06	54.51	+27	46	45.5	18.18oVEX005T08	
E4411	C2020	12	02.43476902	06	54.43	+27	46	42.4	18.35oVEX005T08	
E4411	C2020	12	02.43523002	06	54.43	+27	46	41.6	18.36oVEX005T08	
E4411	C2020	12	02.44352202	06	54.23	+27	46	34.5	18.07oVEX005T08	
E4411	C2020	12	02.44628702	06	54.19	+27	46	32.3	18.11oVEX005T08	
E4411	C2020	12	02.45368102	06	54.01	+27	46	25.6	18.22oVEX005T08	
F2931	C2020	12	02.54738014	07	40.59	+06	38	47.1	19.50rUEX005I41	
F2931	C2020	12	02.55208014	07	41.30	+06	38	42.0	19.52rUEX005I41	
F2931	C2020	12	02.55678014	07	42.06	+06	38	37.0	19.24rUEX005I41	
F2931	C2020	12	02.56148014	07	42.80	+06	38	31.9	19.00rUEX005I41	
F2978	C2020	12	02.43107502	24	52.26	+25	57	49.3	18.62oVEX005T08	
F2978	C2020	12	02.43476902	24	51.57	+25	57	58.7	18.63oVEX005T08	
F2978	C2020	12	02.44352202	24	49.94	+25	58	19.2	18.71oVEX005T08	
F2978	C2020	12	02.45368102	24	48.01	+25	58	43.4	18.70oVEX005T08	
F3249	C2020	12	02.23656	23	17	14.672	+59	50	27.25	19.8 iUEX005F51
F3249	C2020	12	02.24827	23	17	15.007	+59	50	16.75	19.9 iUEX005F51
F3249	C2020	12	02.26000	23	17	15.364	+59	50	06.38	19.8 iUEX005F51
F4302	C2020	12	02.30464700	35	57.55	-19	07	30.6	17.56oVEX005T05	
F4302	C2020	12	02.30785400	35	57.23	-19	07	45.8	17.68oVEX005T05	
F4302	C2020	12	02.31337200	35	56.71	-19	08	11.9	17.39oVEX005T05	
F4302	C2020	12	02.32527200	35	55.58	-19	09	07.8	17.57oVEX005T05	
F4330	C2020	12	02.32364702	46	31.63	+37	40	09.1	18.68GVEX005703	
F4330	C2020	12	02.32978702	46	30.52	+37	40	03.6	18.48GVEX005703	
F4330	C2020	12	02.33592502	46	29.51	+37	39	59.7	18.55GVEX005703	
F4330	C2020	12	02.42394	02	46	15.608	+37	39	04.38	18.1 iUEX005F52
F4330	C2020	12	02.43489	02	46	13.782	+37	38	56.65	17.9 iUEX005F52
F4330	C2020	12	02.44121602	46	12.70	+37	38	52.0	17.82oVEX005T08	
F4330	C2020	12	02.44584	02	46	11.935	+37	38	48.91	17.9 iUEX005F52
F4330	C2020	12	02.44906702	46	11.39	+37	38	46.9	17.84oVEX005T08	
F4330	C2020	12	02.45599202	46	10.23	+37	38	41.8	17.70oVEX005T08	
F4330	C2020	12	02.47334102	46	07.31	+37	38	29.3	17.81oVEX005T08	

F5140	C2020	12	02.28906901	29	58.457+35	17	01.43	20.91iUEX005F51	
F5140	C2020	12	02.30180001	29	57.050+35	16	50.72	20.66iUEX005F51	
F5140	C2020	12	02.31447301	29	55.644+35	16	39.99	20.77iUEX005F51	
F5140	C2020	12	02.41802501	29	44.256+35	15	11.36	20.62iUEX005F51	
F5140	C2020	12	02.42969101	29	42.980+35	15	01.38	20.70iUEX005F51	
F5140	C2020	12	02.44118601	29	41.738+35	14	51.30	20.79iUEX005F51	
F5140	C2020	12	02.45268601	29	40.479+35	14	41.45	21.17iUEX005F51	
F9402	C2020	11	28.36885410	04	26.77 +63	52	20.1	15.01GVEX005703	
F9402	C2020	11	28.37459210	04	25.98 +63	52	09.7	14.99GVEX005703	
F9402	C2020	11	28.38032610	04	25.17 +63	51	59.2	15.01GVEX005703	
F9402	C2020	11	28.38606910	04	24.34 +63	51	48.6	14.98GVEX005703	
F9402	C2020	11	28.55050	10	04	04.074+63	46	30.97	14.5 iUEX005F51
F9402	C2020	11	28.55179	10	04	03.884+63	46	28.62	14.5 iUEX005F51
F9402	C2020	11	28.56346	10	04	02.095+63	46	07.03	14.5 iUEX005F51
F9402	C2020	11	28.56475	10	04	01.876+63	46	04.64	14.5 iUEX005F51
F9402	C2020	11	28.57641	10	04	00.089+63	45	42.89	14.5 iUEX005F51
F9402	C2020	11	28.57771	10	03	59.867+63	45	40.41	14.5 iUEX005F51
F9402	C2020	11	28.58935	10	03	58.056+63	45	18.55	14.6 iUEX005F51
F9402	C2020	11	28.59063	10	03	57.854+63	45	16.14	14.6 iUEX005F51
F9402	C2020	12	02.37352709	56	18.75 +61	46	30.3	14.97GVEX005703	
F9402	C2020	12	02.37904809	56	17.97 +61	46	21.5	14.99GVEX005703	
F9402	C2020	12	02.38456509	56	17.19 +61	46	12.6	15.03GVEX005703	
F9402	C2020	12	02.39008709	56	16.36 +61	46	03.8	15.09GVEX005703	
G2173	C2020	12	02.29666422	53	31.00 +00	59	41.9	16.79oVEX005T08	
G2173	C2020	12	02.29989622	53	31.20 +00	59	28.3	16.93oVEX005T08	
G2173	C2020	12	02.30912722	53	31.83 +00	58	50.0	16.87oVEX005T08	
G2173	C2020	12	02.32254022	53	32.74 +00	57	54.1	16.97oVEX005T08	
G2186	C2020	12	02.55339009	31	22.63 +28	57	51.9	18.85oVEX005T08	
G2186	C2020	12	02.55661509	31	22.68 +28	57	51.4	18.31oVEX005T08	
G2186	C2020	12	02.57112309	31	23.03 +28	57	46.3	18.87oVEX005T08	
G2186	C2020	12	02.58007409	31	23.31 +28	57	43.8	18.65oVEX005T08	
G2980	C2020	12	03.21290	21	28	00.034-08	04	30.98	21.4 wUEX005F51
G2980	C2020	12	03.22566	21	28	01.031-08	04	32.07	21.7 wUEX005F51
G2980	C2020	12	03.23844	21	28	02.042-08	04	33.52	21.6 wUEX005F51
G2980	C2020	12	03.25124	21	28	03.042-08	04	34.85	21.4 wUEX005F51
G3364	C2020	12	02.32612302	41	18.07 +19	59	10.4	VEX005703	
G3364	C2020	12	02.33226202	41	17.21 +19	59	02.4	18.60GVEX005703	
G3364	C2020	12	02.33840302	41	16.35 +19	58	56.3	18.86GVEX005703	
G3364	C2020	12	02.34454902	41	15.46 +19	58	49.3	18.51GVEX005703	
G3364	C2020	12	02.48534702	40	56.04 +19	56	17.6	18.30oVEX005T08	
G3364	C2020	12	02.48968302	40	55.44 +19	56	12.0	18.30oVEX005T08	
G3364	C2020	12	02.49705102	40	54.39 +19	56	04.5	18.06oVEX005T08	
G3364	C2020	12	02.50828602	40	52.79 +19	55	52.2	18.41oVEX005T08	
G4207	C2020	12	02.62778	11	21	33.649+46	22	00.07	20.6 iUEX005F51
G4207	C2020	12	02.63359	11	21	34.755+46	22	10.45	20.4 iUEX005F51
G4207	C2020	12	02.63944	11	21	35.883+46	22	21.09	20.3 iUEX005F51
G4207	C2020	12	02.64525	11	21	37.040+46	22	31.18	20.6 iUEX005F51
I6822	C2020	12	02.33213201	30	54.33 -35	00	14.5	16.66oVEX005T05	
I6822	C2020	12	02.33534301	30	55.73 -35	00	04.6	16.80oVEX005T05	
I6822	C2020	12	02.34083801	30	58.10 -34	59	46.9	16.74oVEX005T05	
I6822	C2020	12	02.35090301	31	02.41 -34	59	15.3	16.85oVEX005T05	
J4126	C2020	12	02.42026	01	25	53.885+25	01	44.37	19.7 iUEX005F51
J4126	C2020	12	02.43177	01	25	53.001+25	01	46.82	19.7 iUEX005F51
J4126	C2020	12	02.44325	01	25	52.119+25	01	49.21	19.6 iUEX005F51
N2382	C2020	12	02.52606212	43	32.90 -02	51	10.3	20.97GVEX005G96	
N2382	C2020	12	02.53176212	43	33.90 -02	51	17.7	VEX005G96	
N2382	C2020	12	02.53748112	43	34.83 -02	51	26.1	21.31GVEX005G96	
N2382	C2020	12	02.54318112	43	35.77 -02	51	32.8	21.16GVEX005G96	
O2216	C2020	12	02.19210400	59	29.48 +49	56	27.1	19.56GVEX005G96	
O2216	C2020	12	02.19729000	59	29.50 +49	56	19.9	19.53GVEX005G96	
O2216	C2020	12	02.20246800	59	29.53 +49	56	12.3	19.46GVEX005G96	
O2216	C2020	12	02.20765700	59	29.57 +49	56	04.8	19.48GVEX005G96	
Q7494	C2020	12	02.34424910	56	47.72 +56	16	15.4	20.15GVEX005G96	
Q7494	C2020	12	02.34952910	56	47.94 +56	16	23.6	20.04GVEX005G96	
Q7494	C2020	12	02.35480010	56	48.22 +56	16	32.0	19.92GVEX005G96	
Q7494	C2020	12	02.36007510	56	48.52 +56	16	39.9	19.89GVEX005G96	
Q7494	C2020	12	02.56811	10	56	58.850+56	22	05.94	19.9 iUEX005F51
Q7494	C2020	12	02.58235	10	56	59.537+56	22	28.47	20.1 iUEX005F51
R5714	C2020	12	02.25923300	27	06.91 -48	55	52.8	17.56oVEX005T05	
R5714	C2020	12	02.26245800	27	09.16 -48	55	19.7	17.70oVEX005T05	
R5714	C2020	12	02.26935200	27	13.94 -48	54	08.1	17.70oVEX005T05	
R5714	C2020	12	02.28218400	27	22.78 -48	51	56.1	17.73oVEX005T05	
R6274	C2020	12	03.21209	21	33	38.623-01	21	10.72	20.6 wUEX005F52
R6274	C2020	12	03.22291	21	33	40.515-01	21	25.98	20.8 wUEX005F52
R6274	C2020	12	03.23376	21	33	42.409-01	21	41.02	20.4 wUEX005F52
R6274	C2020	12	03.24459	21	33	44.274-01	21	56.00	20.7 wUEX005F52
U1011	C2020	12	03.20897	21	15	58.177-10	15	06.57	21.4 wUEX005F51
U1011	C2020	12	03.23448	21	16	00.994-10	14	56.48	21.1 wUEX005F51
U1011	C2020	12	03.24727	21	16	02.410-10	14	51.25	21.2 wUEX005F51
Z4663	C2020	12	02.52654012	50	38.09 -02	55	28.2	19.09GVEX005G96	
Z4663	C2020	12	02.53224812	50	38.76 -02	55	39.6	19.57GVEX005G96	
Z4663	C2020	12	02.53796712	50	39.44 -02	55	50.1	19.35GVEX005G96	
Z4663	C2020	12	02.54365912	50	40.12 -02	56	00.7	19.30GVEX005G96	
b8160	KC2020	12	03.02470	03	28	51.05 +73	54	39.5	19.3 GVEX005W46
b8160	KC2020	12	03.04091	03	28	40.96 +73	54	12.3	18.6 GVEX005W46
b8160	KC2020	12	03.05870	03	28	29.70 +73	53	43.4	18.8 GVEX005W46
c0359	C2020	12	02.32368110	17	03.65 +58	59	00.5	18.36GVEX005G96	
c0359	C2020	12	02.32896310	17	05.42 +58	59	02.9	18.49GVEX005G96	
c0359	C2020	12	02.33424910	17	07.18 +58	59	05.1	18.51GVEX005G96	
c0359	C2020	12	02.33953510	17	08.98 +58	59	06.8	18.63GVEX005G96	
c0359	C2020	12	02.39603910	17	27.88 +58	59	31.1	18.30GVEX005703	
c0359	C2020	12	02.40145610	17	29.53 +58	59	34.0	18.68GVEX005703	
c0359	C2020	12	02.40686810	17	31.39 +58	59	36.4	18.60GVEX005703	
c0359	C2020	12	02.41228910	17	33.10 +58	59	37.3	18.61GVEX005703	

c0359	C2020	12	02.57006	10	18	26.270+59	00	38.71	18.5	iUEX005F51
c0359	C2020	12	02.58428	10	18	30.929+59	00	44.35	18.5	iUEX005F51
c0359	C2020	12	02.59941	10	18	35.876+59	00	50.25	18.5	iUEX005F51
c0359	C2020	12	02.62161	10	18	43.131+59	00	58.78	18.5	iUEX005F51
c0929	C2020	12	02.41469	01	15	41.477+30	28	11.21	19.2	iUEX005F51
c0929	C2020	12	02.42633	01	15	41.505+30	28	26.53	19.2	iUEX005F51
c0929	C2020	12	02.43784	01	15	41.534+30	28	41.68	19.2	iUEX005F51
c0929	C2020	12	02.44933	01	15	41.588+30	28	56.69	19.2	iUEX005F51
c2395	C2020	12	02.54972013	07	54.06	-05	34	03.8	18.75r	UEX005I41
c2395	C2020	12	02.55442013	07	55.70	-05	34	11.3	18.73r	UEX005I41
c2395	C2020	12	02.55912013	07	57.31	-05	34	18.6	18.75r	UEX005I41
c2395	C2020	12	02.56381913	07	58.90	-05	34	25.7	18.79r	UEX005I41
e8752	C2020	12	03.21290	21	30	21.006-07	40	30.10	21.0	wUEX005F51
e8752	C2020	12	03.22566	21	30	21.666-07	40	28.22	20.9	wUEX005F51
e8752	C2020	12	03.23844	21	30	22.321-07	40	26.38	21.0	wUEX005F51
e8752	C2020	12	03.25124	21	30	23.002-07	40	24.44	21.2	wUEX005F51
f3260	C2020	12	03.22711	21	34	29.547-11	45	03.06	20.7	wUEX005F51
f3260	C2020	12	03.23992	21	34	31.538-11	45	06.03	20.5	wUEX005F51
f3260	C2020	12	03.25289	21	34	33.558-11	45	09.25	20.9	wUEX005F51
f7949	C2020	12	02.47288813	07	32.41	+57	52	04.8	20.66G	VEX005G96
f7949	C2020	12	02.47812013	07	34.33	+57	52	03.2	20.61G	VEX005G96
f7949	C2020	12	02.48336313	07	36.38	+57	52	01.5	19.94G	VEX005G96
f7949	C2020	12	02.49470213	07	40.72	+57	51	58.0	21.40G	VEX005G96
g0262	C2020	12	02.41598	01	18	00.100+27	33	23.08	20.1	iUEX005F51
g0262	C2020	12	02.42763	01	17	59.390+27	32	53.28	20.1	iUEX005F51
g0262	C2020	12	02.43912	01	17	58.715+27	32	23.99	20.0	iUEX005F51
g8086	C2020	12	02.32364702	40	38.15	+39	25	28.1	18.06G	VEX005703
g8086	C2020	12	02.33592502	40	37.69	+39	25	12.6	18.21G	VEX005703
g8086	C2020	12	02.34207002	40	37.58	+39	25	04.3	18.22G	VEX005703
g8086	C2020	12	02.41108	02	40	36.071+39	23	43.16	17.8	iUEX005F52
g8086	C2020	12	02.42202	02	40	35.758+39	23	29.76	17.9	iUEX005F52
g8086	C2020	12	02.43298	02	40	35.444+39	23	16.22	17.9	iUEX005F52
g8086	C2020	12	02.44121602	40	35.22	+39	23	06.6	18.01o	VEX005T08
g8086	C2020	12	02.44906702	40	34.99	+39	22	56.4	17.94o	VEX005T08
g8086	C2020	12	02.45599202	40	34.79	+39	22	48.0	18.19o	VEX005T08
g8086	C2020	12	02.47334102	40	34.30	+39	22	26.9	18.05o	VEX005T08
j0259	C2020	12	02.62585	11	38	29.240+45	51	26.86	20.5	iUEX005F51
j0259	C2020	12	02.63747	11	38	35.135+45	51	15.31	20.7	iUEX005F51
j0259	C2020	12	02.64331	11	38	38.173+45	51	09.40	20.5	iUEX005F51
j5193	C2020	12	02.63100	11	37	01.974+50	19	36.45	20.2	iUEX005F51
j5193	C2020	12	02.63681	11	37	01.970+50	19	34.16	20.1	iUEX005F51
j5193	C2020	12	02.64266	11	37	01.961+50	19	32.08	20.0	iUEX005F51
j5193	C2020	12	02.64848	11	37	01.959+50	19	29.96	20.1	iUEX005F51
j8062	C2020	12	02.19023000	48	09.33	+47	38	17.0	20.47G	VEX005G96
j8062	C2020	12	02.19540200	48	09.76	+47	38	01.9	20.78G	VEX005G96
j8062	C2020	12	02.20577700	48	10.57	+47	37	32.1	21.25G	VEX005G96
l4179	C2020	12	02.06337118	50	36.57	+59	14	09.2	19.07G	VEX005703
l4179	C2020	12	02.06956018	50	35.31	+59	13	56.1	18.67G	VEX005703
l4179	C2020	12	02.07574818	50	33.90	+59	13	42.6	18.57G	VEX005703
l4179	C2020	12	02.07749818	50	33.54	+59	13	38.6	18.77G	VEX005G96
l4179	C2020	12	02.08401918	50	32.13	+59	13	24.7	18.86G	VEX005G96
l4179	C2020	12	02.08931718	50	30.96	+59	13	13.2	18.72G	VEX005G96
l4179	C2020	12	02.09462818	50	29.83	+59	13	01.8	18.85G	VEX005G96
m1542	C2020	12	03.22841	21	51	11.503-12	19	41.52	21.0	wUEX005F51
m1542	C2020	12	03.24120	21	51	13.428-12	19	14.73	21.1	wUEX005F51
m1542	C2020	12	03.25418	21	51	15.379-12	18	47.32	21.0	wUEX005F51
m8693	C2020	12	02.47386113	24	21.91	+56	56	34.8		VEX005G96
m8693	C2020	12	02.47910113	24	23.05	+56	56	36.6	20.06G	VEX005G96
m8693	C2020	12	02.48433513	24	24.22	+56	56	38.4	20.11G	VEX005G96
m8693	C2020	12	02.49567913	24	26.64	+56	56	42.5	20.49G	VEX005G96
r0938	C2020	12	02.31931701	10	34.92	-36	03	10.6	17.76o	VEX005T05
r0938	C2020	12	02.32297501	10	35.51	-36	03	01.4	18.07o	VEX005T05
r0938	C2020	12	02.32847401	10	36.42	-36	02	46.4	17.98o	VEX005T05
r0938	C2020	12	02.33855101	10	38.03	-36	02	20.7	17.98o	VEX005T05

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