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## MPEC 2020-X15 : DAILY ORBIT UPDATE (2020 December 5)

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M.P.E.C. 2020-X15

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DAILY ORBIT UPDATE (2020 December 5)

Update to 2020-X12

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

**New identifications:**

J93B10K	K06X55R	Ly
K15AT0C	J95Q05X	Ly
J95S15Z	K14P90Q	Ly
J95S23G	K05R58S	Ly
J95S64S	K10VN6M	Ly
J95S65D	K13V60F	Ly
J95S77S	K11Uj5L	Ly
K14D31J	K17B00A	Deen
K20Q00M	K19R04M	Manca
K06J74F	K20Q49P	Williams
K13AD6Y	K20T14B	Williams
K15AJ5V	K20U08E	Williams

**New multiple-opposition orbits:**

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J93B10K	18.4	0.15	K20CH	339.187	34.980	82.168	2.460	0.14648	2.31429	8	V
J94P31F	17.5	0.15	K20CH	49.912	41.538	306.149	4.464	0.21053	2.38120	9	X
J94T12Z	16.9	0.15	K20CH	312.262	285.884	205.405	15.696	0.12745	2.63477	6	X
J94U10K	18.5	0.15	K20CH	56.811	296.314	59.237	6.997	0.18452	2.18804	7	X
J94W01Z	18.8	0.15	K20CH	17.477	342.488	49.454	5.535	0.34351	2.39818	5	X
J95F10X	16.6	0.15	K20CH	320.706	106.841	11.026	12.102	0.15519	3.08296	7	X
J95S15Z	19.1	0.15	K20CH	219.626	13.305	346.638	2.989	0.20904	2.43986	3	V
J95S23G	16.4	0.15	K20CH	1.578	313.068	19.630	12.527	0.11865	2.96997	9	V
J95S47Z	17.2	0.15	K20CH	41.027	327.905	36.036	3.368	0.20741	2.57442	7	X
J95S64S	18.7	0.15	K20CH	305.567	102.181	241.018	0.746	0.18685	2.39741	4	V
J95S65D	19.6	0.15	K20CH	24.025	14.864	351.608	2.017	0.22036	2.33707	3	V
J95S77S	17.1	0.15	K20CH	320.457	339.546	18.757	10.893	0.04083	2.99794	8	V
J95S79L	17.2	0.15	K20CH	316.729	142.826	336.990	3.621	0.04227	2.53646	11	X
J95S84D	17.6	0.15	K20CH	337.164	74.130	18.673	16.748	0.17056	2.57018	5	X
J95U44J	17.1	0.15	K20CH	350.784	17.260	19.170	33.653	0.20065	2.59890	5	X
J95W15C	17.0	0.15	K20CH	344.049	54.816	33.518	12.743	0.15438	2.57547	8	X
J96B16D	18.5	0.15	K20CH	14.801	135.250	282.181	4.640	0.15197	2.35370	4	X
J96E05O	16.9	0.15	K20CH	334.903	98.271	355.323	8.668	0.11857	3.00363	8	X
J96R34F	18.0	0.15	K20CH	334.424	85.656	10.518	4.831	0.10376	2.24680	10	X
J96V42E	16.1	0.15	K20CH	8.258	177.218	242.797	2.679	0.29125	3.98274	8	X

J97T12J	16.0	0.15	K20CH	357.813	37.474	18.395	9.007	0.05249	3.18967	11	X
J98H09X	16.8	0.15	K20CH	108.774	248.718	47.159	11.949	0.18909	2.57140	7	X
J98S50C	17.2	0.15	K20CH	70.206	328.879	11.295	11.862	0.07416	2.65767	9	X
J98T24R	16.4	0.15	K20CH	344.085	67.189	18.966	10.554	0.09068	3.06865	9	X
J99F78E	18.1	0.15	K20CH	348.925	6.574	86.330	3.343	0.15791	2.42495	7	X
J99RP9U	16.3	0.15	K20CH	9.221	250.662	146.377	13.051	0.15879	2.58618	15	X
J99RQ0H	17.2	0.15	K20CH	45.647	18.480	344.520	3.721	0.15361	2.57096	8	X
J99RQ0W	17.4	0.15	K20CH	48.769	17.105	330.413	2.765	0.21494	2.57862	7	X
J99TU2Z	17.9	0.15	K20CH	18.783	3.470	39.091	1.776	0.20860	2.58185	7	X
J99V46A	17.5	0.15	K20CH	358.278	206.566	219.920	36.363	0.35079	2.59778	3	X
J99VM6E	16.0	0.15	K20CH	78.641	283.841	52.155	11.747	0.05383	3.01916	8	X
J99W18P	17.7	0.15	K20CH	36.821	322.131	53.708	4.669	0.19412	2.59608	6	X
J99XE9W	17.0	0.15	K20CH	8.594	345.071	72.966	3.170	0.20264	3.01386	8	X
J99XP4O	16.5	0.15	K20CH	209.474	288.341	285.925	12.805	0.01267	2.64641	9	X
J99XQ5S	17.8	0.15	K20CH	264.473	307.916	232.315	2.484	0.13046	2.29646	11	X
K00AM8B	18.2	0.15	K20CH	2.876	298.182	129.198	6.434	0.22678	2.32363	7	X
K00B31F	18.5	0.15	K20CH	13.157	113.306	297.941	2.341	0.17019	2.33167	7	X
K00CF5K	17.1	0.15	K20CH	226.785	60.202	147.870	12.407	0.08394	2.66783	8	X
K00ELOQ	17.6	0.15	K20CH	254.067	265.530	277.902	5.790	0.06568	2.35471	9	X
K00EL1S	17.0	0.15	K20CH	219.323	339.498	241.993	12.342	0.06948	2.65459	8	X
K00F52Z	16.6	0.15	K20CH	295.094	120.314	10.810	13.040	0.12970	3.15817	6	X
K00J96M	17.1	0.15	K20CH	62.825	84.764	258.451	11.232	0.12152	2.75375	5	X
K00RA8D	16.9	0.15	K20CH	328.802	51.046	62.385	6.394	0.14614	2.85337	8	X
K00YE5K	16.3	0.15	K20CH	231.650	129.160	78.718	15.150	0.05778	2.98706	6	X
K01B02O	16.0	0.15	K20CH	328.998	100.927	346.413	21.424	0.12148	2.55494	8	X
K01D53V	17.4	0.15	K20CH	21.705	305.123	93.332	0.481	0.11613	2.57520	12	X
K01DB5E	16.6	0.15	K20CH	332.505	175.188	269.548	8.609	0.05773	3.02309	8	X
K01DB5Y	17.3	0.15	K20CH	327.597	274.083	208.719	11.395	0.23722	2.55391	6	X
K01DB5Z	16.4	0.15	K20CH	351.730	159.031	271.278	11.064	0.09130	3.00155	8	X
K01DB9P	17.0	0.15	K20CH	322.962	171.356	299.805	7.050	0.19365	2.99141	8	X
K01FI3S	15.8	0.15	K20CH	139.774	251.900	4.553	24.764	0.18934	3.14850	8	X
K01H70F	17.1	0.15	K20CH	275.513	337.542	200.605	13.576	0.18045	2.58511	10	X
K01K79U	16.8	0.15	K20CH	343.821	44.744	51.216	12.280	0.15266	2.60833	9	X
K01K80B	16.2	0.15	K20CH	48.845	200.358	172.669	14.999	0.07567	3.14779	13	X
K01K81M	16.5	0.15	K20CH	281.622	330.077	185.890	10.988	0.05917	3.03827	8	X
K01K87O	16.8	0.15	K20CH	13.045	158.676	245.072	7.691	0.07398	3.16631	10	X
K01L20L	16.7	0.15	K20CH	82.431	238.334	97.039	14.558	0.09039	2.66652	9	X
K01P17A	17.7	0.15	K20CH	15.256	311.932	49.316	7.955	0.38065	2.43427	5	X
K01P44K	16.9	0.15	K20CH	146.910	345.157	294.978	5.573	0.13428	2.36730	13	X
K01Q17N	17.2	0.15	K20CH	51.610	354.431	349.528	7.335	0.30518	2.77833	7	X
K01QK5W	17.5	0.15	K20CH	41.271	35.730	323.831	8.075	0.30091	2.78739	6	X
K01QL0O	17.1	0.15	K20CH	55.446	340.005	14.359	5.371	0.23594	2.41341	10	X
K01S71V	16.6	0.15	K20CH	357.483	195.501	196.267	14.391	0.23903	2.84975	6	X
K01SN0R	17.8	0.15	K20CH	56.406	324.122	18.606	8.006	0.24909	2.41962	6	X
K01SU8R	16.7	0.15	K20CH	38.548	54.080	327.564	9.295	0.14953	2.76895	11	X
K01T60T	17.5	0.15	K20CH	56.565	135.525	209.455	10.895	0.25518	2.42077	5	X
K01TP9S	17.1	0.15	K20CH	346.907	60.405	25.878	9.561	0.16333	2.80061	8	X
K01TQ6D	17.1	0.15	K20CH	58.298	114.860	260.880	5.004	0.02692	2.74730	10	X
K01UK0S	18.3	0.15	K20CH	26.853	137.682	257.714	2.215	0.20400	2.41958	5	X
K01UK0Z	17.5	0.15	K20CH	40.541	84.812	289.823	1.948	0.20256	2.80048	6	X
K01UN5R	16.9	0.15	K20CH	350.186	176.552	264.247	8.553	0.18088	2.77269	7	X
K01VD5S	18.2	0.15	K20CH	348.487	35.435	49.973	7.233	0.18849	2.43182	5	X
K01W65L	17.8	0.15	K20CH	67.265	134.190	212.380	3.989	0.20740	2.41537	8	X
K01W73J	18.6	0.15	K20CH	50.192	143.502	226.482	3.961	0.15883	2.15047	6	X
K01WA5G	18.4	0.15	K20CH	22.083	112.023	290.978	0.696	0.17718	2.41025	6	X
K01WA5T	18.7	0.15	K20CH	21.097	314.295	86.418	3.420	0.21111	2.43807	4	X
K01XI1W	17.2	0.15	K20CH	350.267	176.158	273.959	12.290	0.12339	2.45161	7	X
K01X01Y	17.4	0.15	K20CH	42.750	292.405	83.055	3.236	0.19306	2.43519	10	X
K01Y55Q	16.8	0.15	K20CH	324.094	194.886	267.861	14.543	0.11409	2.84875	6	X
K02AL1C	18.0	0.15	K20CH	19.753	164.412	235.193	1.844	0.19744	2.45791	9	X
K02CP7K	16.9	0.15	K20CH	43.823	62.471	306.481	5.077	0.08359	2.90536	10	X
K02CW4C	17.5	0.15	K20CH	87.920	324.991	346.715	2.615	0.16987	2.53778	8	X
K02EB4D	18.0	0.15	K20CH	243.662	146.696	51.352	1.693	0.03929	2.20180	12	X
K02EG6D	16.9	0.15	K20CH	353.252	117.302	307.764	6.990	0.07551	2.92671	10	X
K02G08Z	18.7	0.15	K20CH	356.402	161.489	309.784	5.314	0.63982	2.82539	4	X
K02GI7F	15.8	0.15	K20CH	88.016	286.383	41.941	9.733	0.02756	3.00475	11	X
K02GI8N	15.6	0.15	K20CH	27.795	336.769	49.649	11.233	0.10951	2.97918	11	X
K02GJ3A	18.0	0.15	K20CH	28.753	345.726	39.993	5.644	0.19439	2.24182	8	X
K02GJ6A	16.9	0.15	K20CH	97.578	346.570	309.104	9.054	0.19530	2.58525	10	X
K02N07S	16.7	0.15	K20CH	79.196	5.220	286.312	25.085	0.21474	2.32151	6	X
K02N73T	17.1	0.15	K20CH	166.544	5.353	255.394	5.483	0.15126	2.27661	14	X
K02N82M	16.2	0.15	K20CH	16.514	116.552	272.148	20.841	0.09527	2.67515	6	X
K02N83W	18.4	0.15	K20CH	38.235	94.679	277.147	0.406	0.19638	2.31416	7	X
K02O37L	17.0	0.15	K20CH	42.286	85.757	262.151	20.564	0.26006	2.33279	6	X
K02P89F	16.6	0.15	K20CH	36.454	121.321	240.926	11.717	0.28118	2.69120	6	X
K02PA9T	16.1	0.15	K20CH	349.982	115.240	303.977	21.260	0.05295	2.66849	7	X
K02PD1Y	17.2	0.15	K20CH	18.872	234.585	147.629	5.115	0.28567	2.69148	8	X
K02PI0V	15.9	0.15	K20CH	13.382	102.163	294.979	12.421	0.10650	3.20121	7	X
K02PJ3A	19.0	0.15	K20CH	50.229	29.313	312.101	5.197	0.28183	2.32686	3	X
K02PK4B	17.7	0.15	K20CH	55.484	35.953	330.514	4.575	0.16517	2.29818	10	X
K02PK5B	15.8	0.15	K20CH	99.871	21.040	284.608	21.295	0.12627	3.18815	7	X
K02PK6F	18.3	0.15	K20CH	12.032	128.178	280.916	1.675	0.16650	2.31674	7	X
K02Q10T	17.4	0.15	K20CH	45.760	18.552	322.877	17.300	0.22170	2.69273	6	X
K02Q32T	17.7	0.15	K20CH	1.264	286.178	146.795	6.493	0.20614	2.31688	8	X
K02Q49Z	18.1	0.15	K20CH	48.162	24.210	317.802	8.966	0.35262	2.68703	3	X
K02Q63O	17.0	0.15	K20CH	52.085	6.406	347.288	12.853	0.17623	2.67351	9	X
K02Q74M	18.3	0.15	K20CH	46.357	305.394	60.573	3.300	0.18786	2.31765	7	X
K02Q80P	15.8	0.15	K20CH	59.760	7.255	0.624	11.323	0.06800	3.15802	11	X
K02QA3Z	17.9	0.15	K20CH	20.371	18.584	25.249	5.334	0.20909	2.31927	9	X
K02QB0F	17.0	0.15	K20CH	33.378	244.421	147.798	17.712	0.20304	2.66011	7	X
K02QC3H	17.9	0.15	K20CH	3.591	85.243	342.268	5.510	0.09113	2.30476	7	X
K02QE2X	17.3	0.15	K20CH	66.145	70.695	274.925	8.326	0.11320	2.67188	6	X
K02QE4D	18.5	0.15	K20CH	31.620	267.392	121.504	2.713	0.20657	2.31514	6	X

K02QE7V	17.7	0.15	K20CH	17.392	6.848	29.417	5.390	0.16375	2.31681	11	X
K02QF6M	17.5	0.15	K20CH	45.571	96.883	260.850	11.352	0.29478	2.68649	5	X
K02R01J	17.4	0.15	K20CH	36.872	62.966	297.884	7.409	0.28646	2.69603	5	X
K02R90W	18.3	0.15	K20CH	52.750	350.050	347.495	6.384	0.27736	2.33460	7	X
K02RD8C	17.1	0.15	K20CH	52.586	330.324	8.805	8.493	0.30554	2.69235	7	X
K02RE7L	17.2	0.15	K20CH	47.962	25.929	333.322	0.836	0.21046	2.68935	9	X
K02RG6M	18.1	0.15	K20CH	181.653	162.795	172.098	3.566	0.25009	2.55350	6	X
K02RI1D	17.6	0.15	K20CH	33.900	4.261	8.486	9.431	0.23168	2.33322	6	X
K02RJ2S	16.8	0.15	K20CH	64.035	319.387	12.423	5.096	0.17095	2.68650	10	X
K02RK1M	17.8	0.15	K20CH	42.507	9.018	2.705	5.114	0.22556	2.32023	9	X
K02RN8N	18.4	0.15	K20CH	29.006	15.065	16.346	2.737	0.20698	2.32247	6	X
K02RO5V	17.7	0.15	K20CH	47.154	7.966	351.370	4.739	0.22157	2.67914	6	X
K02RO8L	17.4	0.15	K20CH	53.300	4.240	349.642	2.304	0.08563	2.67720	7	X
K02RP2X	17.2	0.15	K20CH	75.006	335.374	343.389	14.309	0.18728	2.68671	5	X
K02RS6E	17.1	0.15	K20CH	24.988	106.328	283.386	11.498	0.18011	2.68084	9	X
K02RT2W	17.3	0.15	K20CH	304.653	201.761	283.246	2.507	0.02795	2.66578	9	X
K02RT6N	17.4	0.15	K20CH	60.747	181.955	166.774	14.579	0.25945	2.68158	4	X
K02RU0R	17.3	0.15	K20CH	44.779	84.305	269.117	10.750	0.18569	2.68333	7	X
K02RU1R	16.7	0.15	K20CH	12.911	153.715	254.211	11.867	0.17012	2.68396	6	X
K02S00B	16.9	0.15	K20CH	68.952	317.667	12.282	14.308	0.26123	2.68618	6	X
K02S13P	17.3	0.15	K20CH	30.115	73.486	289.044	13.287	0.27540	2.71281	4	X
K02S60P	16.8	0.15	K20CH	14.498	9.654	27.012	12.244	0.18015	2.69553	8	X
K02S64N	18.6	0.15	K20CH	88.998	76.081	252.388	17.195	0.07776	1.86173	5	X
K02S65H	16.3	0.15	K20CH	292.699	223.659	274.385	21.748	0.06854	2.66240	8	X
K02S73F	18.6	0.15	K20CH	26.094	353.667	33.562	4.173	0.24932	2.32817	2	X
K02T56G	18.1	0.15	K20CH	39.051	221.590	151.825	7.291	0.22144	2.33580	6	X
K02T67S	19.1	0.15	K20CH	14.979	322.973	79.415	9.692	0.48800	2.34851	6	X
K02TFOX	16.3	0.15	K20CH	14.689	74.051	332.601	4.051	0.12517	3.23482	11	X
K02TcOK	17.9	0.15	K20CH	350.865	67.388	9.474	6.168	0.17029	2.33097	8	X
K02Tc6L	17.4	0.15	K20CH	51.729	13.165	345.856	5.258	0.08188	2.69527	6	X
K02U10V	18.5	0.15	K20CH	42.298	349.469	8.727	1.842	0.30585	2.34044	5	X
K02U74S	16.4	0.15	K20CH	97.829	103.338	209.385	15.825	0.24286	2.69364	11	X
K02U74V	17.1	0.15	K20CH	49.931	298.021	58.059	12.284	0.19528	2.71450	8	X
K02U79L	17.5	0.15	K20CH	348.654	10.594	37.018	19.082	0.08151	1.88052	7	X
K02V10G	16.8	0.15	K20CH	19.339	155.453	240.630	13.388	0.21851	2.71982	6	X
K02V25L	17.0	0.15	K20CH	1.170	17.094	40.684	7.561	0.09010	2.34897	9	X
K02V51Y	17.3	0.15	K20CH	27.782	253.401	96.191	4.665	0.22274	2.36255	9	X
K02V93C	17.1	0.15	K20CH	352.301	14.738	70.018	6.679	0.06498	2.33843	11	X
K02V98C	17.1	0.15	K20CH	36.158	2.404	18.874	8.844	0.20631	2.71150	7	X
K02VD7L	18.9	0.15	K20CH	12.513	188.473	228.721	1.877	0.22992	2.34338	6	X
K02VE4U	17.1	0.15	K20CH	31.525	339.382	47.904	13.038	0.19055	2.71365	7	X
K02VE5P	17.5	0.15	K20CH	44.143	301.278	73.728	5.995	0.12584	2.71186	9	X
K02VE5Z	18.3	0.15	K20CH	17.877	318.562	95.803	3.756	0.16619	2.33845	8	X
K02VE8G	17.9	0.15	K20CH	15.667	18.127	25.498	5.343	0.22654	2.34610	7	X
K02W32T	17.9	0.15	K20CH	98.419	66.430	254.157	20.236	0.05902	1.87940	6	X
K02X04Z	16.6	0.15	K20CH	36.829	118.148	238.302	19.171	0.28861	2.33599	8	X
K02X08X	17.3	0.15	K20CH	3.892	147.469	262.584	4.388	0.11507	2.35699	11	X
K02X23J	16.7	0.15	K20CH	26.117	130.468	267.560	13.155	0.19363	2.71833	6	X
K02X46A	17.5	0.15	K20CH	314.960	182.000	289.163	19.579	0.06210	1.88837	9	X
K02XC2N	17.9	0.15	K20CH	107.352	58.984	260.825	19.764	0.03237	1.87321	6	X
K02Y04Q	15.3	0.15	K20CH	325.713	139.783	357.743	26.154	0.30485	3.31344	9	X
K02Y24R	16.3	0.15	K20CH	16.160	299.096	103.269	14.071	0.25987	2.74664	7	X
K03A37P	17.7	0.15	K20CH	1.629	180.015	250.755	4.820	0.41506	2.72993	5	X
K03B21X	17.9	0.15	K20CH	340.281	173.558	299.696	10.950	0.31622	2.74635	4	X
K03B93Z	17.1	0.15	K20CH	291.189	192.871	317.848	8.702	0.12482	2.39118	12	X
K03C27U	17.6	0.15	K20CH	53.238	91.122	259.880	5.318	0.11418	2.39652	7	X
K03F15V	17.8	0.15	K20CH	259.775	345.060	207.553	15.749	0.10577	1.90932	8	X
K03F96N	17.1	0.15	K20CH	332.150	102.816	346.435	1.544	0.02819	2.85492	11	X
K03FA2W	17.0	0.15	K20CH	244.871	156.075	40.585	15.599	0.16832	2.42084	10	X
K03FD9E	18.0	0.15	K20CH	269.562	151.575	14.269	5.246	0.04934	2.41116	6	X
K03G29W	18.7	0.15	K20CH	21.750	15.583	18.299	20.943	0.08019	1.92703	6	X
K03G57S	13.1	0.15	K20CH	300.760	245.747	180.452	29.326	0.06531	5.23854	9	X
K03G59J	17.4	0.15	K20CH	349.036	9.966	73.873	7.631	0.07799	2.43390	10	X
K03J17C	17.8	0.15	K20CH	350.772	40.513	80.668	27.322	0.71670	2.34304	3	X
K03N06A	16.7	0.15	K20CH	37.196	118.409	248.819	12.514	0.29368	3.11019	5	X
K03N09A	17.1	0.15	K20CH	79.641	72.724	257.861	13.893	0.15352	2.55045	4	X
K03N13D	16.2	0.15	K20CH	53.301	33.116	314.802	16.217	0.20699	3.11308	7	X
K03N13X	17.4	0.15	K20CH	359.692	97.314	322.713	6.594	0.13110	2.55117	8	X
K03N14Y	17.3	0.15	K20CH	56.318	92.366	260.979	2.530	0.19675	2.56396	10	X
K03O34W	17.1	0.15	K20CH	53.335	49.622	306.136	2.042	0.15999	2.56216	11	X
K03O35J	17.4	0.15	K20CH	40.321	82.757	302.671	6.467	0.10646	2.53471	5	X
K03O35K	16.7	0.15	K20CH	43.106	161.865	206.935	6.765	0.21053	2.56824	8	X
K03O35U	16.9	0.15	K20CH	48.228	31.377	333.537	12.753	0.11586	2.56848	9	X
K03P13F	16.9	0.15	K20CH	86.793	22.667	296.636	5.802	0.10281	2.55183	11	X
K03Q32V	17.3	0.15	K20CH	33.467	53.007	312.988	3.513	0.26663	2.59564	7	X
K03Q69M	17.4	0.15	K20CH	39.836	343.879	21.558	5.425	0.28875	2.59268	4	X
K03Q86D	16.5	0.15	K20CH	54.911	18.413	336.102	8.632	0.09705	3.06911	11	X
K03QB2S	17.5	0.15	K20CH	78.625	92.629	242.588	4.446	0.19944	2.56621	5	X
K03R28G	16.7	0.15	K20CH	341.044	108.829	338.222	13.253	0.19407	3.08355	7	X
K03S16O	18.2	0.15	K20CH	349.832	218.080	210.021	7.992	0.43057	2.61808	4	X
K03S28F	16.5	0.15	K20CH	72.718	80.547	239.483	8.769	0.21693	3.12364	5	X
K03S35D	16.8	0.15	K20CH	53.313	223.668	135.541	1.761	0.17654	3.11259	10	X
K03S50D	16.6	0.15	K20CH	47.183	118.585	195.546	12.594	0.18708	2.62117	9	X
K03S71M	18.1	0.15	K20CH	33.702	76.382	297.600	4.949	0.32083	2.59996	4	X
K03S78R	18.0	0.15	K20CH	32.469	56.934	307.952	4.606	0.28933	2.60627	4	X
K03S78Z	16.8	0.15	K20CH	146.484	317.793	309.098	8.182	0.13915	2.57190	10	X
K03S97Z	16.8	0.15	K20CH	44.289	120.389	244.776	11.453	0.17661	2.59720	7	X
K03SA2V	16.0	0.15	K20CH	66.081	69.851	268.462	13.292	0.09483	3.12527	9	X
K03SA4V	17.4	0.15	K20CH	50.552	4.949	346.613	3.717	0.23226	2.59955	7	X
K03SC4C	17.3	0.15	K20CH	30.711	2.570	9.004	5.511	0.25467	2.60150	7	X
K03SC6D	16.4	0.15	K20CH	295.455	78.693	67.151	6.593	0.06295	3.12192	12	X
K03SG1D	17.3	0.15	K20CH	4.488	36.118	15.059	12.602	0.28517	2.61778	5	X
K03SH5O	17.2	0.15	K20CH	20.887	25.621	3.125	13.608	0.16896	2.59756	2	X

K03SS6W	17.8	0.15	K20CH	23.121	108.580	294.891	3.721	0.21843	2.59101	8	X
K03ST2F	17.9	0.15	K20CH	51.275	347.689	24.405	7.468	0.12447	2.24596	7	X
K03SX6J	17.0	0.15	K20CH	52.721	312.017	53.866	32.298	0.17240	2.60363	5	X
K03SX6P	18.8	0.15	K20CH	46.940	307.999	62.033	9.218	0.09625	2.24640	6	X
K03SY3A	16.2	0.15	K20CH	354.736	65.000	0.053	15.159	0.21733	3.12111	8	X
K03SY9W	16.6	0.15	K20CH	9.974	32.309	12.776	9.879	0.11864	3.12017	10	X
K03SZ0B	17.7	0.15	K20CH	47.354	328.065	24.580	1.406	0.20738	2.59669	7	X
K03SZ4Z	17.6	0.15	K20CH	58.815	33.873	310.262	3.029	0.21798	2.57668	7	X
K03Sb3S	17.5	0.15	K20CH	51.963	202.674	159.072	1.173	0.20178	3.11033	6	X
K03SD0W	15.9	0.15	K20CH	254.104	139.978	50.453	11.017	0.12364	3.07418	10	X
K03Sd1H	16.3	0.15	K20CH	335.362	289.917	166.234	11.052	0.05020	3.10586	12	X
K03Se4D	16.2	0.15	K20CH	218.938	327.830	237.788	27.338	0.10550	3.08850	8	X
K03Sf8P	17.4	0.15	K20CH	16.314	261.146	151.710	10.404	0.04383	2.59308	9	X
K03Sh7G	18.0	0.15	K20CH	61.411	25.904	324.225	6.390	0.14429	2.23261	9	X
K03Sh9P	18.2	0.15	K20CH	59.445	126.811	234.556	4.421	0.11125	2.23497	9	X
K03Si2D	18.5	0.15	K20CH	357.301	58.980	23.969	5.947	0.15523	2.24482	7	X
K03Si2O	16.3	0.15	K20CH	277.860	208.106	302.358	9.739	0.03389	3.07619	7	X
K03Si3F	16.9	0.15	K20CH	16.869	76.381	311.893	3.938	0.18923	3.16336	6	X
K03Sj7U	16.1	0.15	K20CH	6.059	164.843	260.070	7.874	0.09006	3.07263	11	X
K03Sj8W	17.1	0.15	K20CH	305.801	253.574	241.675	10.748	0.07959	2.58865	7	X
K03Sk0B	17.1	0.15	K20CH	290.744	236.957	261.267	13.374	0.02837	2.57715	6	X
K03Sk9G	17.9	0.15	K20CH	72.473	41.355	290.614	3.853	0.07147	2.58562	3	V
K03T00W	16.9	0.15	K20CH	39.207	351.838	7.248	14.078	0.23221	3.14446	3	X
K03T06A	17.9	0.15	K20CH	12.815	3.856	34.134	7.666	0.29678	2.61241	3	X
K03T22N	17.4	0.15	K20CH	75.939	32.872	292.400	5.934	0.21322	2.59139	7	X
K03T25P	18.1	0.15	K20CH	23.319	161.392	238.019	4.065	0.22818	2.59534	3	X
K03T26G	17.7	0.15	K20CH	48.668	20.612	337.747	5.170	0.16214	2.59821	7	X
K03T37P	16.2	0.15	K20CH	46.870	29.641	334.103	9.855	0.08566	3.13638	12	X
K03T45Q	15.8	0.15	K20CH	353.972	89.363	347.741	10.098	0.05803	3.11552	9	X
K03T47Q	16.3	0.15	K20CH	42.718	80.009	290.526	8.283	0.09721	3.10909	10	X
K03T62V	17.3	0.15	K20CH	332.698	199.432	267.604	3.453	0.13771	2.59198	9	X
K03T62X	17.1	0.15	K20CH	55.780	97.824	245.697	9.922	0.16556	2.61888	7	X
K03U03Q	19.6	0.15	K20CH	3.781	356.319	40.137	12.768	0.51850	2.63284	3	X
K03U09E	18.1	0.15	K20CH	343.993	221.861	201.764	24.427	0.25814	2.27056	4	X
K03U10Q	17.2	0.15	K20CH	347.182	194.069	249.811	12.636	0.22214	2.61619	9	X
K03U10U	18.2	0.15	K20CH	29.558	3.555	19.376	9.743	0.20002	2.25121	5	X
K03U35P	18.3	0.15	K20CH	353.809	69.019	1.006	5.376	0.22812	2.61032	5	X
K03U40G	16.1	0.15	K20CH	105.207	262.566	56.869	5.891	0.11982	3.13175	14	X
K03U51A	16.4	0.15	K20CH	44.497	97.259	268.561	17.387	0.18049	3.12472	6	X
K03U51C	16.0	0.15	K20CH	9.328	110.403	305.303	14.500	0.24916	3.12843	7	X
K03U52B	17.0	0.15	K20CH	27.297	130.556	246.918	13.336	0.19370	2.61640	6	X
K03U55X	17.5	0.15	K20CH	60.916	73.622	266.366	11.418	0.28723	2.59387	5	X
K03U75S	17.7	0.15	K20CH	45.079	67.389	286.358	4.544	0.24334	2.60859	5	X
K03U96L	15.8	0.15	K20CH	34.544	321.359	54.671	18.125	0.21184	3.15672	6	X
K03UD1A	16.9	0.15	K20CH	45.774	60.360	313.480	7.243	0.14980	2.60217	8	X
K03UD9J	16.5	0.15	K20CH	110.751	258.811	50.565	12.677	0.16401	2.57154	9	X
K03UJ8D	17.1	0.15	K20CH	53.789	303.458	42.187	9.162	0.20028	2.61050	7	X
K03UN9W	16.9	0.15	K20CH	32.820	348.535	32.299	12.559	0.19388	2.60210	7	X
K03UP1X	17.5	0.15	K20CH	7.164	339.005	39.075	6.908	0.22535	2.27173	8	X
K03US1M	17.5	0.15	K20CH	3.309	335.674	51.089	6.126	0.31186	2.64715	4	X
K03UT7T	15.7	0.15	K20CH	120.115	267.520	22.663	15.838	0.06679	3.14567	7	X
K03UU2M	17.6	0.15	K20CH	8.049	39.656	10.870	11.773	0.18322	2.60799	6	X
K03UU6K	16.2	0.15	K20CH	317.903	110.951	355.283	9.021	0.02562	3.12603	7	X
K03UW7G	16.2	0.15	K20CH	27.070	110.631	288.875	7.611	0.07826	3.07275	9	X
K03UW7U	15.7	0.15	K20CH	9.908	147.988	261.381	6.155	0.13624	3.98404	7	X
K03UX1A	16.5	0.15	K20CH	68.308	108.629	250.589	11.683	0.06248	3.04119	8	X
K03UX1B	16.0	0.15	K20CH	354.566	203.583	239.005	11.678	0.05288	3.02691	11	X
K03UY1O	16.4	0.15	K20CH	124.631	84.396	206.283	16.021	0.17396	2.54258	7	X
K03UY1S	15.9	0.15	K20CH	99.156	53.629	267.784	9.394	0.05532	3.05523	11	X
K03Ua5Y	16.8	0.15	K20CH	222.646	162.867	52.057	5.821	0.13343	2.60256	10	X
K03Ub8W	16.7	0.15	K20CH	357.812	63.031	16.114	10.416	0.11166	3.09199	6	X
K03Ud4Q	16.9	0.15	K20CH	9.450	277.497	145.715	10.284	0.13180	3.13100	5	X
K03Ud7F	17.3	0.15	K20CH	96.238	153.950	168.664	14.379	0.14665	2.59686	7	X
K03Ue3U	16.3	0.15	K20CH	295.357	62.380	23.603	22.277	0.05006	2.64816	6	X
K03Ue5L	16.4	0.15	K20CH	344.410	271.765	182.865	13.795	0.14682	3.11515	9	X
K03Ue8U	16.5	0.15	K20CH	312.022	54.452	84.567	9.724	0.18611	3.11681	6	X
K03Uf9J	18.8	0.15	K20CH	1.143	130.093	303.863	8.870	0.41340	2.60479	4	X
K03Ug1N	18.2	0.15	K20CH	45.733	41.181	322.275	1.337	0.19935	2.26138	9	X
K03Ug3T	18.2	0.15	K20CH	11.780	61.044	352.477	7.932	0.14791	2.24887	6	X
K03Ug3X	18.1	0.15	K20CH	93.597	281.329	31.916	5.905	0.19026	2.25002	8	X
K03Ug6B	18.7	0.15	K20CH	48.657	161.334	213.632	2.248	0.10512	2.25223	7	X
K03Ug6C	18.5	0.15	K20CH	25.952	31.657	351.039	1.682	0.20705	2.26497	5	X
K03Ug7M	16.6	0.15	K20CH	325.144	73.319	48.710	26.067	0.22077	3.16840	6	X
K03Uh1U	17.0	0.15	K20CH	72.728	247.884	86.106	8.883	0.23359	2.59686	10	X
K03Uh5M	18.1	0.15	K20CH	31.925	72.985	315.059	5.923	0.10549	2.25011	6	X
K03Ui0M	16.2	0.15	K20CH	10.254	194.483	226.668	26.873	0.11363	3.12958	7	X
K03Ui4A	17.3	0.15	K20CH	282.980	116.339	33.059	22.451	0.03815	2.59659	5	X
K03Ui5S	17.3	0.15	K20CH	61.958	284.068	63.536	14.742	0.24880	2.59133	5	X
K03V01D	16.9	0.15	K20CH	15.258	106.565	260.509	27.136	0.40629	2.63045	3	X
K03V03A	16.9	0.15	K20CH	19.901	126.409	253.637	23.823	0.48160	3.18494	4	X
K03V03T	16.7	0.15	K20CH	62.043	308.511	51.403	7.456	0.07921	2.61465	10	X
K03W00V	18.6	0.15	K20CH	14.079	179.263	230.061	6.448	0.33079	2.61767	4	X
K03W04P	17.7	0.15	K20CH	32.667	55.365	315.480	4.562	0.33514	2.61858	5	X
K03W04V	18.4	0.15	K20CH	16.438	14.819	17.553	7.284	0.26679	2.62639	4	X
K03W09K	16.0	0.15	K20CH	24.825	154.169	251.419	26.380	0.12479	3.14532	6	X
K03W11Y	17.2	0.15	K20CH	354.684	168.541	267.318	13.018	0.28164	2.62524	7	X
K03W16A	16.8	0.15	K20CH	19.082	342.177	60.227	4.820	0.17851	3.15012	6	X
K03W18G	16.5	0.15	K20CH	330.585	210.785	264.332	17.840	0.14740	2.61119	7	X
K03W36L	17.2	0.15	K20CH	352.181	33.814	55.551	14.141	0.22930	2.61936	7	X
K03W36Q	16.4	0.15	K20CH	32.043	133.513	250.312	16.790	0.19955	2.61466	5	X
K03W37Z	15.8	0.15	K20CH	352.653	166.183	276.876	11.777	0.10585	3.16380	10	X
K03W38F	17.7	0.15	K20CH	8.779	74.301	343.880	5.358	0.34187	2.62122	6	X
K03W48R	17.7	0.15	K20CH	341.076	198.133	261.989	4.232	0.12668	2.24693	7	X

K03W53A	16.5	0.15	K20CH	332.013	103.006	5.825	0.628	0.14593	3.14642	12	X
K03W64P	15.8	0.15	K20CH	55.640	292.694	63.814	20.137	0.15372	3.17838	9	X
K03W70R	16.6	0.15	K20CH	358.180	170.835	266.291	8.222	0.09476	2.60212	9	X
K03W82L	16.0	0.15	K20CH	12.787	263.494	143.307	9.627	0.22834	3.15682	10	X
K03W99W	16.7	0.15	K20CH	6.163	152.903	250.292	25.320	0.34680	3.16693	3	X
K03WA4T	16.6	0.15	K20CH	331.868	228.816	245.232	30.777	0.21750	2.62834	8	X
K03WC2H	16.3	0.15	K20CH	11.000	25.424	19.379	5.312	0.17397	3.17734	8	X
K03WE3W	18.0	0.15	K20CH	43.604	357.647	24.096	2.630	0.15669	2.25319	8	X
K03WG3T	16.9	0.15	K20CH	30.146	113.932	271.574	0.060	0.16467	3.18003	6	X
K03WH5S	18.5	0.15	K20CH	13.798	351.022	56.579	6.246	0.18285	2.26271	6	X
K03WI6X	18.2	0.15	K20CH	109.061	19.587	296.290	4.702	0.01997	2.23870	8	X
K03WJ5Z	17.4	0.15	K20CH	118.138	50.926	246.688	5.581	0.11862	2.26993	10	X
K03WJ6D	17.9	0.15	K20CH	68.619	263.777	91.471	7.861	0.13243	2.25023	9	X
K03WK0E	18.4	0.15	K20CH	281.602	297.981	227.922	3.882	0.10375	2.22846	8	X
K03WK1B	16.2	0.15	K20CH	284.855	142.151	354.585	10.077	0.08257	3.15531	8	X
K03WK2T	16.0	0.15	K20CH	86.931	271.733	51.867	20.419	0.14341	3.15427	7	X
K03WK4F	18.8	0.15	K20CH	20.749	307.109	96.462	3.886	0.20977	2.25628	5	X
K03WK4P	19.1	0.15	K20CH	44.860	130.642	254.786	17.854	0.09653	1.99879	3	X
K03WK7F	16.0	0.15	K20CH	247.962	171.832	16.391	16.201	0.17442	3.15158	8	X
K03WK8H	16.8	0.15	K20CH	277.606	258.484	248.698	21.239	0.01916	2.62181	6	X
K03WK9A	17.0	0.15	K20CH	76.291	46.916	259.782	12.338	0.26136	2.64124	7	X
K03WK9F	17.0	0.15	K20CH	286.381	249.778	246.373	21.019	0.01371	2.62539	6	X
K03WL2F	16.2	0.15	K20CH	357.576	161.072	259.689	16.179	0.08488	3.18707	7	X
K03WL6D	17.1	0.15	K20CH	18.589	338.226	63.890	15.092	0.09539	2.62515	4	V
K03X01N	17.4	0.15	K20CH	29.141	326.896	42.095	15.330	0.26150	3.19565	3	X
K03X40E	17.6	0.15	K20CH	357.433	359.320	79.451	9.822	0.21497	2.62254	4	X
K03X40P	17.1	0.15	K20CH	39.677	330.446	56.362	3.846	0.14365	2.61727	11	X
K03X45K	16.6	0.15	K20CH	335.930	180.613	268.401	7.459	0.06137	3.17505	5	X
K03Y00J	20.3	0.15	K20CH	187.110	165.636	89.749	19.472	0.19870	0.93031	4	X
K03Y67W	19.1	0.15	K20CH	7.090	168.058	253.075	6.574	0.31761	2.62256	3	X
K03YA6L	16.9	0.15	K20CH	272.515	1.082	83.164	9.318	0.18059	2.75345	7	V
K03YB0T	18.2	0.15	K20CH	346.107	138.535	340.734	5.186	0.47365	3.19250	5	X
K03YD4U	16.2	0.15	K20CH	322.401	12.648	93.018	22.835	0.04645	2.67055	7	X
K03YF8A	16.0	0.15	K20CH	4.792	350.821	77.590	19.912	0.05345	3.17844	7	X
K03YG4A	17.2	0.15	K20CH	349.613	153.687	259.807	28.046	0.25988	3.20899	2	X
K03YH7H	15.9	0.15	K20CH	237.563	301.771	254.947	14.230	0.11211	3.19843	9	X
K03YI4Q	18.0	0.15	K20CH	35.582	302.645	89.829	5.652	0.10358	2.25761	9	X
K03YI4R	17.1	0.15	K20CH	279.150	55.370	106.630	15.537	0.12546	2.67165	6	X
K03YI4T	17.2	0.15	K20CH	24.604	92.920	289.617	9.760	0.19515	2.66556	8	X
K03YI5A	18.5	0.15	K20CH	28.546	39.980	353.161	1.643	0.21065	2.26410	8	X
K03YI7S	16.7	0.15	K20CH	290.252	243.846	265.506	14.558	0.08749	2.62165	7	X
K03YJ0E	17.6	0.15	K20CH	14.417	85.576	330.337	2.240	0.15642	2.64607	8	X
K04B25G	17.6	0.15	K20CH	305.496	185.365	303.054	15.521	0.23509	2.67718	3	X
K04B94W	15.9	0.15	K20CH	307.821	220.142	275.108	12.885	0.14578	2.68656	10	X
K04BA3C	17.3	0.15	K20CH	335.843	78.163	59.827	27.608	0.45555	2.65254	4	X
K04C05Z	16.9	0.15	K20CH	285.381	137.206	9.642	2.153	0.14139	2.70061	9	X
K04D80T	17.8	0.15	K20CH	6.025	53.271	11.360	7.678	0.15278	2.29843	9	X
K04E20U	16.4	0.15	K20CH	8.590	74.904	22.213	29.307	0.53919	3.19075	4	X
K04EA6Y	17.6	0.15	K20CH	3.392	75.058	355.966	27.741	0.35409	2.67300	4	X
K04EB2S	17.6	0.15	K20CH	239.992	132.973	70.350	6.369	0.05300	2.32095	11	X
K04F05J	18.1	0.15	K20CH	296.722	110.458	29.075	5.934	0.11459	2.32652	9	X
K04F84L	17.5	0.15	K20CH	310.649	87.680	26.797	6.634	0.08826	2.32949	8	X
K04FG7W	16.8	0.15	K20CH	311.584	32.847	100.058	6.136	0.09473	2.70779	9	X
K04FH7Y	18.4	0.15	K20CH	117.441	253.782	48.128	19.158	0.10806	1.84650	6	X
K04G65D	16.7	0.15	K20CH	346.995	264.108	205.430	27.706	0.32233	2.67587	7	X
K04H21V	16.7	0.15	K20CH	95.351	304.379	31.671	6.694	0.04046	2.77311	11	X
K04H80K	17.3	0.15	K20CH	33.239	309.050	30.195	7.391	0.22129	2.45165	10	X
K04H85H	17.9	0.15	K20CH	357.841	25.309	49.044	18.938	0.02563	2.36176	7	X
K04K05F	18.7	0.15	K20CH	52.904	179.216	191.221	11.701	0.15461	1.87382	7	X
K04L03U	18.4	0.15	K20CH	32.787	224.669	113.674	9.810	0.53152	2.17574	5	X
K04Q11E	16.6	0.15	K20CH	57.020	317.945	352.303	15.511	0.39946	3.00540	4	X
K04RN8B	17.3	0.15	K20CH	40.305	45.027	323.542	3.384	0.20094	2.99837	6	X
K04RO3L	16.8	0.15	K20CH	25.813	34.152	358.023	10.727	0.14052	2.98435	5	X
K04RQ6O	17.2	0.15	K20CH	31.468	138.046	250.799	2.006	0.18822	2.98200	8	X
K04RR7O	16.7	0.15	K20CH	29.596	16.249	9.478	9.445	0.06581	2.97615	8	X
K04RT7G	17.0	0.15	K20CH	11.262	45.614	355.623	8.817	0.12228	2.99908	7	X
K04RZ8Y	17.8	0.15	K20CH	28.790	137.133	260.827	6.256	0.12396	2.47375	6	X
K04S49L	16.5	0.15	K20CH	50.828	288.973	74.416	7.451	0.21222	2.99206	7	X
K04T12Q	18.8	0.15	K20CH	32.761	341.123	10.045	28.248	0.33237	2.17691	3	X
K04TB7V	15.6	0.15	K20CH	95.091	275.839	57.381	9.471	0.09138	2.99133	12	X
K04TF2F	16.4	0.15	K20CH	95.259	298.209	18.615	14.223	0.10934	3.00110	10	X
K04TJ7K	17.8	0.15	K20CH	354.469	35.686	46.422	0.442	0.30494	3.02015	5	X
K04TJ9W	16.3	0.15	K20CH	307.665	75.124	34.313	15.896	0.04913	3.02801	8	X
K04TP4S	16.6	0.15	K20CH	20.576	4.081	23.899	10.929	0.11308	3.01957	8	X
K04TW6W	15.7	0.15	K20CH	65.574	83.077	260.595	11.328	0.08867	3.02860	11	X
K04TX6L	16.1	0.15	K20CH	54.044	304.486	48.620	10.138	0.12521	3.04902	10	X
K04TY7N	16.1	0.15	K20CH	14.966	177.399	243.378	10.725	0.07711	2.99699	8	X
K04Tb7F	16.5	0.15	K20CH	355.023	47.276	21.126	11.719	0.12353	3.00013	7	X
K04Tc5F	16.2	0.15	K20CH	92.164	270.381	45.888	17.298	0.11418	3.04943	7	X
K04U10B	18.0	0.15	K20CH	55.011	135.080	229.880	19.328	0.14303	1.91877	7	X
K04V26O	18.7	0.15	K20CH	43.868	346.375	1.372	5.284	0.31921	2.17132	5	X
K04V52B	15.6	0.15	K20CH	0.679	356.926	71.033	8.379	0.30640	3.98373	5	X
K04V58T	16.2	0.15	K20CH	53.804	73.220	271.450	7.771	0.14718	3.06138	11	X
K04V86W	17.7	0.15	K20CH	341.003	75.109	25.707	10.026	0.32013	3.04142	5	X
K04V89U	18.4	0.15	K20CH	4.271	38.878	29.917	6.403	0.10034	2.16794	7	X
K04V94N	16.4	0.15	K20CH	10.138	164.627	255.331	1.720	0.27378	3.99121	4	X
K04V94X	16.2	0.15	K20CH	75.468	96.396	237.721	8.781	0.10496	3.06858	10	X
K04VA9N	16.6	0.15	K20CH	36.052	333.615	47.323	17.524	0.04649	3.03800	5	X
K04VD5F	16.4	0.15	K20CH	10.451	19.339	29.793	9.799	0.14929	3.01370	9	X
K04VD6J	17.0	0.15	K20CH	11.245	7.721	52.177	3.685	0.23090	3.01537	8	X
K04VD6R	16.7	0.15	K20CH	42.058	93.195	248.867	13.428	0.29631	3.07573	5	X
K04W07Q	17.1	0.15	K20CH	357.284	164.591	260.582	6.136	0.27781	3.04751	6	X
K04X71X	17.1	0.15	K20CH	60.563	37.171	307.162	12.252	0.18934	2.56387	5	X

K04X89D	17.4	0.15	K20CH	339.196	168.890	288.605	8.022	0.29912	3.06187	3 X
K04X90C	18.3	0.15	K20CH	3.472	74.699	349.195	1.252	0.21469	2.52907	5 X
K04X90P	16.5	0.15	K20CH	44.105	301.474	75.544	11.888	0.10442	3.07687	7 X
K04XB7U	16.8	0.15	K20CH	50.523	335.132	26.085	1.831	0.25293	2.53706	12 X
K04XC5Z	16.5	0.15	K20CH	15.244	46.987	1.619	13.105	0.18620	2.54838	8 X
K04XD3R	16.5	0.15	K20CH	10.672	112.640	271.700	13.859	0.33747	3.08159	4 X
K04XF6L	16.2	0.15	K20CH	96.530	262.535	58.248	6.632	0.18315	2.54180	11 X
K04XG0N	17.9	0.15	K20CH	26.721	347.280	52.025	4.970	0.18985	2.54123	3 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
K04XJ6P	16.2	0.15	K20CH	43.820	98.896	266.612	7.747	0.15896	3.10730	10 X
K04XJ9G	15.7	0.15	K20CH	214.331	338.227	241.936	16.819	0.01641	3.03788	6 X
K04Y26D	17.1	0.15	K20CH	50.070	249.688	113.803	14.795	0.16736	2.56704	8 X
K04Y38L	16.3	0.15	K20CH	26.712	338.513	44.552	5.457	0.13070	3.10103	9 X
K04Y38O	16.9	0.15	K20CH	36.804	328.538	52.964	2.728	0.16307	2.54433	9 X
K04Y39L	17.6	0.15	K20CH	344.007	95.929	349.290	11.514	0.22797	2.54659	4 X
K04Y40L	16.2	0.15	K20CH	357.689	152.398	264.419	13.877	0.02581	3.11834	9 X
K05A04D	16.9	0.15	K20CH	329.717	122.674	334.619	7.367	0.13571	2.55917	14 X
K05A37U	16.1	0.15	K20CH	293.637	137.370	5.429	4.942	0.09447	3.14165	12 X
K05A40M	17.2	0.15	K20CH	3.472	71.410	353.051	4.682	0.14838	2.55474	8 X
K05A66W	16.3	0.15	K20CH	9.883	123.773	287.587	9.520	0.06549	3.14109	9 X
K05A76D	18.1	0.15	K20CH	9.612	92.741	318.230	10.402	0.30412	2.55069	6 X
K05B17W	17.5	0.15	K20CH	33.414	224.528	161.807	1.717	0.18663	2.56100	5 X
K05B51Q	17.2	0.15	K20CH	37.612	295.160	87.690	6.179	0.19587	2.56539	9 X
K05B52A	16.1	0.15	K20CH	27.056	73.709	309.356	15.283	0.05252	3.18159	9 X
K05B52R	17.1	0.15	K20CH	27.630	76.348	300.940	10.661	0.20609	2.57188	7 X
K05B55J	17.3	0.15	K20CH	5.490	133.440	281.608	8.297	0.10766	2.56063	8 X
K05C37R	18.9	0.15	K20CH	355.132	209.657	335.555	26.060	0.46735	1.90529	7 X
K05C38X	17.1	0.15	K20CH	24.502	11.733	17.224	5.381	0.21025	2.57419	6 X
K05C44R	15.8	0.15	K20CH	344.981	309.540	141.179	13.607	0.02813	3.17545	11 X
K05C74W	16.4	0.15	K20CH	4.332	14.204	37.393	3.949	0.14567	3.16699	12 X
K05C89H	17.3	0.15	K20CH	355.783	278.689	161.091	7.732	0.15972	2.55900	9 X
K05EA4V	16.0	0.15	K20CH	33.120	265.635	135.273	18.857	0.10670	3.12710	7 X
K05EE5S	17.1	0.15	K20CH	153.403	242.823	27.404	3.689	0.00579	2.63924	10 X
K05EI6F	16.5	0.15	K20CH	307.449	325.166	186.151	16.835	0.19349	3.14550	8 X
K05EJ1M	17.6	0.15	K20CH	333.039	181.408	268.270	4.497	0.06187	2.61274	8 X
K05ES6E	15.7	0.15	K20CH	295.394	255.822	251.202	24.766	0.22554	3.16473	6 X
K05EX2U	17.0	0.15	K20CH	345.179	296.867	157.089	0.543	0.16064	3.16889	4 X
K05EX5C	16.4	0.15	K20CH	308.879	72.920	3.865	22.002	0.10623	2.66021	7 X
K05EX5E	18.2	0.15	K20CH	0.155	92.093	335.226	2.358	0.11790	2.22679	9 X
K05GJ6Y	17.2	0.15	K20CH	31.260	359.331	21.974	14.883	0.25871	2.65719	4 X
K05GN4S	17.5	0.15	K20CH	19.670	49.433	1.536	3.554	0.10929	2.66041	8 X
K05J12B	17.9	0.15	K20CH	10.485	7.418	39.780	7.615	0.07634	2.26890	9 X
K05J14Y	16.9	0.15	K20CH	160.796	113.537	156.048	1.013	0.08536	2.65281	11 X
K05J36T	17.0	0.15	K20CH	105.292	140.332	155.093	13.561	0.17758	2.76001	8 X
K05J62A	16.7	0.15	K20CH	213.010	179.493	27.955	13.696	0.10653	2.65585	10 X
K05J87V	17.2	0.15	K20CH	279.087	116.480	38.787	8.356	0.13583	2.62183	10 X
K05K14F	16.7	0.15	K20CH	223.193	341.946	236.524	10.994	0.13617	2.67333	9 X
K05N98F	18.1	0.15	K20CH	58.404	236.739	121.516	3.168	0.18424	2.35013	7 X
K05NC9F	18.6	0.15	K20CH	49.547	235.396	131.906	1.925	0.20347	2.35840	5 X
K05ND1H	16.8	0.15	K20CH	82.809	23.627	318.563	1.649	0.07716	2.79564	11 X
K05O32J	17.1	0.15	K20CH	87.153	65.963	268.413	6.633	0.13312	2.34984	10 X
K05O33G	18.2	0.15	K20CH	49.307	40.345	301.462	6.632	0.31489	2.38393	6 X
K05P12L	16.9	0.15	K20CH	21.551	54.228	350.403	5.847	0.09118	2.35472	10 X
K05P17B	17.4	0.15	K20CH	336.360	134.964	323.523	6.213	0.05946	2.33506	10 X
K05P17N	16.1	0.15	K20CH	125.862	232.298	58.435	15.010	0.18269	2.78056	9 X
K05Q10S	18.8	0.15	K20CH	12.729	229.905	150.691	15.797	0.47892	2.42049	4 X
K05Q18Y	17.6	0.15	K20CH	27.538	13.923	25.397	3.696	0.17361	2.37909	9 X
K05Q72A	17.7	0.15	K20CH	67.120	56.680	282.601	1.157	0.21895	2.37599	8 X
K05QG9A	16.6	0.15	K20CH	92.700	35.896	282.732	8.106	0.12739	2.84892	11 X
K05QI9P	18.6	0.15	K20CH	39.199	217.697	161.167	1.315	0.18746	2.37392	6 X
K05R38R	16.7	0.15	K20CH	42.818	112.415	246.347	13.800	0.16305	2.86643	7 X
K05S34G	18.4	0.15	K20CH	31.519	323.175	58.840	4.547	0.20672	2.39851	6 X
K05S35M	18.2	0.15	K20CH	14.088	4.637	38.755	5.676	0.21677	2.40122	4 X
K05S48M	18.8	0.15	K20CH	30.557	94.624	297.284	1.919	0.18407	2.39042	3 X
K05S56W	18.4	0.15	K20CH	46.716	167.943	198.039	0.752	0.19746	2.37571	5 X
K05S63N	17.9	0.15	K20CH	49.253	350.480	11.746	7.261	0.11012	2.39258	6 X
K05S83Z	18.1	0.15	K20CH	355.437	75.892	6.523	3.794	0.24002	2.38866	6 X
K05S96S	17.4	0.15	K20CH	43.627	60.633	298.749	0.903	0.24992	2.88426	5 X
K05SA0R	17.1	0.15	K20CH	46.365	29.982	329.605	3.904	0.20659	2.89331	5 X
K05SB0R	17.9	0.15	K20CH	17.622	21.231	19.474	2.647	0.16252	2.39681	7 X
K05SD7J	18.3	0.15	K20CH	52.659	332.365	25.672	2.794	0.23031	2.38763	4 X
K05SE6D	18.6	0.15	K20CH	359.424	33.498	38.071	5.206	0.23660	2.39253	3 X
K05SO4J	18.9	0.15	K20CH	8.945	61.327	358.934	2.451	0.20641	2.39040	5 X
K05SP5S	18.7	0.15	K20CH	57.316	184.676	171.027	1.016	0.20587	2.37839	4 X
K05T09D	16.9	0.15	K20CH	17.102	7.194	48.915	2.750	0.05816	2.86466	11 X
K05T21S	18.2	0.15	K20CH	42.884	335.155	39.938	3.176	0.19884	2.38775	5 X
K05T59Z	17.4	0.15	K20CH	5.987	39.078	19.999	10.845	0.16941	2.89367	6 X
K05T89M	18.5	0.15	K20CH	355.877	31.286	50.729	3.785	0.16545	2.37805	6 X
K05T93Q	17.8	0.15	K20CH	356.651	138.712	305.249	2.644	0.21200	2.38842	8 X
K05T97E	18.0	0.15	K20CH	344.377	230.035	232.900	2.976	0.19420	2.38984	7 X
K05TE0O	18.8	0.15	K20CH	23.852	312.141	88.121	2.361	0.18038	2.39275	3 X
K05TL1M	17.8	0.15	K20CH	18.986	4.082	45.999	6.755	0.21996	2.38624	6 X
K05U23L	18.4	0.15	K20CH	12.927	157.137	258.908	1.694	0.18652	2.39941	4 X
K05U33Y	17.3	0.15	K20CH	16.004	0.572	48.454	11.199	0.14004	2.90906	4 X
K05U52H	18.5	0.15	K20CH	16.403	67.173	334.035	3.624	0.31557	2.40904	4 X
K05U62N	16.6	0.15	K20CH	0.561	1.996	65.239	3.497	0.03852	2.91266	11 X
K05U86B	18.3	0.15	K20CH	30.530	315.421	70.182	2.488	0.18619	2.40318	3 X
K05U94B	17.0	0.15	K20CH	9.153	157.577	261.740	4.943	0.06935	2.89846	11 X
K05UA6L	18.1	0.15	K20CH	356.988	16.329	60.535	7.657	0.07362	2.40187	7 X
K05UD2U	17.4	0.15	K20CH	13.932	299.969	93.074	23.770	0.32055	2.41230	3 X
K05UF3R	18.1	0.15	K20CH	53.290	324.883	43.459	5.349	0.15802	2.40183	5 X
K05UN8N	17.3	0.15	K20CH	352.375	355.598	88.594	7.225	0.07729	2.40346	9 X

K05U00P	18.4	0.15	K20CH	50.446	246.555	113.904	3.975	0.25823	2.40178	5 X
K05UP7K	18.0	0.15	K20CH	337.937	35.812	66.669	2.811	0.15277	2.39822	9 X
K05UR1R	18.5	0.15	K20CH	48.858	208.574	153.084	1.503	0.20213	2.40638	3 X
K05UR6H	18.2	0.15	K20CH	342.618	178.333	279.988	0.531	0.14835	2.39635	8 X
K05US9T	18.8	0.15	K20CH	21.703	68.599	327.954	2.368	0.26726	2.40886	3 X
K05UTOA	17.2	0.15	K20CH	309.850	246.545	252.717	7.611	0.13835	2.39789	7 X
K05UW5P	18.4	0.15	K20CH	348.570	33.693	60.217	2.998	0.15114	2.38676	4 X
K05UY3S	17.3	0.15	K20CH	310.370	120.315	10.531	6.960	0.08194	2.39096	9 X
K05UY3U	18.7	0.15	K20CH	25.170	89.389	306.342	2.657	0.17914	2.40194	6 X
K05UZ6K	17.3	0.15	K20CH	342.152	217.738	226.098	0.887	0.07396	2.90644	10 X
K05Uf7U	18.6	0.15	K20CH	32.679	327.283	64.939	6.041	0.14999	2.39857	5 X
K05Ui2Z	17.4	0.15	K20CH	85.893	274.520	62.295	6.988	0.09346	2.39225	9 X
K05U11B	17.1	0.15	K20CH	42.137	142.794	238.167	10.658	0.11610	2.90095	6 X
K05U15L	17.8	0.15	K20CH	317.559	240.148	245.445	8.592	0.14152	2.40049	5 X
K05Us3H	17.4	0.15	K20CH	320.369	165.053	301.144	0.886	0.06348	2.94300	9 X
K05Ut1D	16.6	0.15	K20CH	303.327	294.547	34.582	13.553	0.06397	3.15822	3 V
K05V68W	18.3	0.15	K20CH	59.947	279.497	72.969	5.520	0.19623	2.40486	3 X
K05VE0P	18.2	0.15	K20CH	19.580	329.420	68.674	2.208	0.18722	2.40692	5 X
K05W24H	18.4	0.15	K20CH	355.353	70.217	9.965	2.429	0.16176	2.41286	5 X
K05W58V	17.2	0.15	K20CH	16.535	325.839	55.855	6.639	0.37256	2.40283	9 X
K05W68J	18.0	0.15	K20CH	303.282	77.565	64.403	2.991	0.17419	2.41520	6 X
K05W77N	18.7	0.15	K20CH	9.243	109.506	308.495	1.920	0.20233	2.41916	5 X
K05WB9B	17.9	0.15	K20CH	22.974	156.941	245.299	6.692	0.18535	2.40929	5 X
K05WC8B	17.6	0.15	K20CH	75.245	253.688	65.887	7.247	0.26288	2.41656	7 X
K05WDON	18.5	0.15	K20CH	5.496	182.871	244.630	0.937	0.17608	2.41131	3 X
K05WE5U	16.8	0.15	K20CH	105.527	263.738	38.442	2.207	0.09648	2.95757	12 X
K05WE5Z	18.6	0.15	K20CH	26.092	353.573	41.074	1.528	0.18547	2.41745	6 X
K05X23U	17.3	0.15	K20CH	208.508	324.510	258.400	3.442	0.07758	2.42756	12 X
K05X53A	16.4	0.15	K20CH	71.681	312.591	42.044	3.492	0.03174	2.95226	11 X
K05X70N	17.9	0.15	K20CH	3.059	10.350	63.457	6.408	0.13085	2.41907	7 X
K05X80V	18.7	0.15	K20CH	0.800	65.135	7.220	1.188	0.20177	2.41895	4 X
K05XC4V	18.5	0.15	K20CH	27.520	135.196	263.293	1.659	0.18479	2.41536	4 X
K05XD2P	18.3	0.15	K20CH	14.377	3.432	53.368	2.173	0.17637	2.42493	5 X
K05Y39W	16.7	0.15	K20CH	349.618	141.168	292.848	9.782	0.08025	2.99765	8 X
K05Y66C	16.6	0.15	K20CH	28.696	37.099	2.470	2.562	0.10690	2.97711	12 X
K05Y99K	16.6	0.15	K20CH	31.661	80.521	303.736	7.732	0.10474	2.98282	8 X
K05YB9S	17.0	0.15	K20CH	23.995	118.945	259.084	6.100	0.29424	2.98242	4 X
K05YC0O	15.9	0.15	K20CH	347.522	325.238	118.966	11.898	0.04694	2.98512	9 X
K05YE8T	18.4	0.15	K20CH	339.462	38.619	56.839	3.758	0.15880	2.44381	5 X
K05YG1M	17.6	0.15	K20CH	337.471	327.481	131.856	7.307	0.13063	2.44162	8 X
K05YG3O	17.4	0.15	K20CH	309.860	61.140	64.453	7.703	0.06436	2.42300	11 X
K05YG6P	16.8	0.15	K20CH	16.482	280.811	126.504	11.641	0.11250	2.97975	7 X
K05YL8U	17.5	0.15	K20CH	18.211	332.201	74.222	4.572	0.13974	2.44632	8 X
K05YM9T	18.2	0.15	K20CH	350.987	2.179	88.390	7.317	0.22775	2.41420	6 X
K05YO7B	16.1	0.15	K20CH	74.881	237.055	107.677	13.776	0.07914	3.03108	10 X
K05YT1Y	16.5	0.15	K20CH	149.372	339.669	291.647	7.406	0.08294	3.00543	9 X
K05YT4V	18.2	0.15	K20CH	60.476	84.450	266.986	4.542	0.21401	2.44537	5 X
K05YT5P	17.9	0.15	K20CH	45.737	284.239	86.903	3.011	0.17741	2.43971	6 X
K06A09M	16.6	0.15	K20CH	32.478	61.985	284.453	33.151	0.06997	2.50989	5 X
K06A26Y	16.3	0.15	K20CH	194.042	348.109	242.348	9.302	0.04892	3.01459	9 X
K06A29N	17.8	0.15	K20CH	37.613	323.855	53.396	3.773	0.19912	2.44037	7 X
K06AB3E	16.8	0.15	K20CH	70.095	97.097	255.445	9.263	0.13479	2.98347	8 X
K06AB4Z	15.9	0.15	K20CH	356.939	303.002	138.291	15.046	0.22220	3.94605	5 X
K06B28C	16.5	0.15	K20CH	52.350	54.786	309.081	9.512	0.09811	3.01777	8 X
K06BB1L	16.1	0.15	K20CH	44.429	257.543	122.133	11.549	0.06708	3.03629	9 X
K06BB2K	17.1	0.15	K20CH	349.108	96.651	352.673	2.191	0.11768	2.99850	9 X
K06BE1R	16.0	0.15	K20CH	1.618	323.710	108.387	3.955	0.24788	3.96872	6 X
K06BH4S	18.7	0.15	K20CH	353.356	53.564	20.908	4.244	0.15413	2.46094	5 X
K06BK5Y	16.1	0.15	K20CH	134.625	339.614	300.526	6.871	0.05125	3.06392	10 X
K06BK9P	16.5	0.15	K20CH	119.226	164.489	136.178	12.739	0.12273	3.05375	8 X
K06BN3V	16.3	0.15	K20CH	219.245	230.988	329.730	9.731	0.03694	3.05505	9 X
K06BP1F	16.6	0.15	K20CH	73.246	13.988	324.840	7.524	0.10601	3.08877	8 X
K06BP9O	16.5	0.15	K20CH	7.795	16.389	40.904	2.888	0.03590	3.06877	10 X
K06BR7M	17.1	0.15	K20CH	5.902	94.037	320.033	7.991	0.29839	2.97850	6 X
K06BS8M	18.3	0.15	K20CH	14.642	113.089	293.620	0.449	0.17388	2.45207	7 X
K06BS8O	17.9	0.15	K20CH	356.144	289.813	144.412	6.894	0.10244	2.47633	8 X
K06BT3G	16.5	0.15	K20CH	118.855	343.500	315.575	10.366	0.07079	3.09289	8 X
K06C57F	16.9	0.15	K20CH	78.145	14.536	320.254	2.823	0.17631	2.52036	11 X
K06C65B	16.5	0.15	K20CH	32.070	146.374	187.813	1.482	0.15006	3.04149	9 X
K06DG3R	16.5	0.15	K20CH	36.232	174.897	222.472	1.216	0.06219	3.06288	11 X
K06DK3B	15.8	0.15	K20CH	338.286	17.729	83.429	10.868	0.08103	3.02581	12 X
K06DL9M	16.7	0.15	K20CH	104.178	2.283	296.058	4.237	0.21793	2.54745	12 X
K06DMOS	16.5	0.15	K20CH	70.287	214.754	136.901	10.360	0.08038	3.06846	11 X
K06E12D	16.4	0.15	K20CH	96.080	151.104	173.362	10.858	0.06939	3.12870	10 X
K06E39H	16.7	0.15	K20CH	0.061	55.889	349.998	23.493	0.12879	3.12402	7 X
K06E79U	18.7	0.15	K20CH	5.786	45.012	1.956	20.642	0.10240	1.89077	5 X
K06G56E	17.5	0.15	K20CH	316.676	76.871	33.295	15.355	0.07607	2.53213	8 X
K06HA0F	17.1	0.15	K20CH	26.389	356.422	36.491	3.413	0.09752	2.58125	13 X
K06HA0N	17.2	0.15	K20CH	339.400	46.211	45.588	17.862	0.13715	2.54683	6 X
K06HD3W	16.4	0.15	K20CH	338.812	68.889	7.711	10.908	0.03022	3.12694	8 X
K06HD6R	16.1	0.15	K20CH	3.376	13.327	37.620	16.309	0.05902	3.19226	8 X
K06HF9J	16.8	0.15	K20CH	297.400	84.800	51.070	1.644	0.12296	3.10871	10 X
K06J08G	17.0	0.15	K20CH	37.855	340.147	56.205	6.555	0.03596	2.55542	8 X
K06J10Y	16.1	0.15	K20CH	307.424	234.901	247.502	7.657	0.04373	3.18995	10 X
K06J24W	15.7	0.15	K20CH	214.737	353.237	237.381	12.032	0.17841	3.15281	11 X
K06J69F	17.3	0.15	K20CH	6.024	31.369	29.966	5.500	0.05989	2.54573	9 X
K06J72W	17.9	0.15	K20CH	25.851	6.218	26.238	1.380	0.11855	2.55986	6 X
K06J74F	17.2	0.15	K20CH	22.728	359.286	36.348	5.089	0.22638	2.55484	5 V
K06J79E	18.6	0.15	K20CH	39.301	347.176	37.007	4.725	0.14248	2.17058	8 X
K06K60S	16.6	0.15	K20CH	31.058	265.093	102.567	11.421	0.34318	2.67885	9 X
K06K92J	17.0	0.15	K20CH	33.953	292.004	102.148	5.018	0.15146	2.58420	10 X
K06KC3O	16.1	0.15	K20CH	235.409	305.680	254.466	12.290	0.16601	2.60407	13 X
K06KC4C	18.4	0.15	K20CH	264.263	338.776	207.245	19.470	0.06948	1.89504	6 X

K06KC9Z	16.6	0.15	K20CH	347.042	18.965	66.780	14.850	0.08593	3.21704	8 X
K06O05V	19.1	0.15	K20CH	96.059	153.990	156.486	15.265	0.57507	2.69840	4 X
K06O26U	17.4	0.15	K20CH	66.208	217.398	123.705	2.158	0.21515	2.69356	8 X
K06P00Q	16.5	0.15	K20CH	245.597	224.782	302.400	13.853	0.02074	2.68637	8 X
K06P03Z	17.4	0.15	K20CH	45.220	355.496	355.662	6.376	0.26487	2.27768	9 X
K06P40W	16.4	0.15	K20CH	100.123	337.499	323.177	12.130	0.19754	2.69370	8 X
K06Q03B	17.6	0.15	K20CH	5.385	72.883	340.689	9.112	0.39556	2.76472	5 X
K06Q04T	18.3	0.15	K20CH	22.068	19.484	22.086	2.702	0.22202	2.26697	7 X
K06Q30F	17.0	0.15	K20CH	39.262	331.339	352.918	5.671	0.18903	2.29739	12 X
K06Q40G	16.9	0.15	K20CH	80.504	128.042	198.535	13.798	0.26067	2.70770	6 X
K06Q46Q	17.9	0.15	K20CH	72.414	316.538	21.442	6.464	0.18080	2.25761	7 X
K06QE2B	16.5	0.15	K20CH	88.139	359.933	303.840	8.852	0.20583	2.73163	10 X
K06QH8H	18.6	0.15	K20CH	22.925	34.979	3.626	4.262	0.15028	2.27525	6 X
K06QH8Q	18.1	0.15	K20CH	316.345	134.019	350.312	3.437	0.06892	2.24032	10 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
K06R16A	16.9	0.15	K20CH	44.307	343.790	19.108	3.628	0.20398	2.74343	9 X
K06R20F	16.2	0.15	K20CH	349.189	177.846	215.801	12.888	0.20159	2.79457	9 X
K06R28J	17.7	0.15	K20CH	167.363	4.289	254.751	4.383	0.13748	2.22642	10 X
K06R91M	19.0	0.15	K20CH	25.039	21.533	6.963	5.332	0.22333	2.29199	5 X
K06RA1A	18.0	0.15	K20CH	57.001	310.952	41.116	8.882	0.23999	2.27483	6 X
K06S24N	18.3	0.15	K20CH	52.373	96.772	266.783	5.113	0.19159	2.27644	3 X
K06S43F	17.3	0.15	K20CH	41.589	261.845	117.264	1.577	0.08188	2.75731	5 X
K06S52A	17.7	0.15	K20CH	41.266	107.809	221.996	4.616	0.18964	2.30757	9 X
K06S69S	16.7	0.15	K20CH	35.315	321.257	8.116	10.038	0.13345	2.80860	10 X
K06S80V	17.5	0.15	K20CH	50.449	0.260	14.217	0.317	0.04441	2.73192	8 X
K06SC4C	17.1	0.15	K20CH	32.407	329.037	38.295	17.267	0.24366	2.76687	5 X
K06SC5J	17.7	0.15	K20CH	29.064	291.199	92.847	7.297	0.32347	2.76314	5 X
K06SF2F	16.7	0.15	K20CH	348.896	107.151	330.919	2.846	0.07545	2.74806	10 X
K06SH4V	16.8	0.15	K20CH	9.255	173.143	200.255	1.691	0.09131	2.77316	12 X
K06SH9Q	19.2	0.15	K20CH	356.131	324.154	120.068	1.093	0.18641	2.27493	5 X
K06SI4L	17.8	0.15	K20CH	353.291	50.539	19.621	11.391	0.17069	2.76377	3 X
K06SK9T	17.6	0.15	K20CH	322.928	87.814	28.953	2.029	0.05595	2.71496	9 X
K06SP0J	18.7	0.15	K20CH	62.318	354.725	347.560	2.033	0.17689	2.28535	6 X
K06SQ1B	19.3	0.15	K20CH	36.469	51.342	331.272	1.638	0.21656	2.28461	4 X
K06SX2Y	17.6	0.15	K20CH	32.761	343.319	42.638	4.734	0.08329	2.74625	8 X
K06SZ8Y	17.1	0.15	K20CH	83.818	256.079	69.023	4.235	0.17574	2.74856	11 X
K06Sg2N	17.1	0.15	K20CH	21.390	132.763	255.142	14.358	0.19835	2.76483	5 X
K06Sg3H	18.9	0.15	K20CH	26.249	13.105	14.048	3.055	0.21739	2.28367	3 X
K06Sg3P	18.3	0.15	K20CH	43.750	151.131	226.410	2.628	0.18038	2.29347	7 X
K06Sg3Y	17.6	0.15	K20CH	79.476	48.479	274.758	6.458	0.14072	2.28718	7 X
K06Sg9K	16.6	0.15	K20CH	134.838	351.930	299.174	11.660	0.17349	2.70297	8 X
K06SI5A	17.0	0.15	K20CH	65.509	322.731	13.324	25.870	0.11190	2.74900	5 X
K06Sj2H	18.0	0.15	K20CH	357.542	21.584	42.975	8.577	0.21078	2.79134	4 X
K06Sj2O	19.2	0.15	K20CH	28.590	4.399	18.482	3.021	0.19955	2.30354	3 V
K06T05V	16.5	0.15	K20CH	122.818	55.755	257.351	5.384	0.01057	2.74613	13 X
K06T07C	16.6	0.15	K20CH	338.394	150.671	302.003	8.134	0.12955	2.74903	8 X
K06T85S	17.7	0.15	K20CH	9.831	99.323	320.177	3.185	0.20042	2.77208	4 X
K06T88B	16.6	0.15	K20CH	64.287	129.108	236.718	5.148	0.04945	2.75914	9 X
K06T88X	17.6	0.15	K20CH	19.606	159.756	247.646	3.193	0.20483	2.76946	5 X
K06T95D	17.5	0.15	K20CH	41.806	334.612	41.470	3.272	0.19136	2.75426	5 X
K06TB1Q	17.2	0.15	K20CH	355.934	282.170	156.981	10.347	0.27451	2.76899	8 X
K06TC7Y	18.9	0.15	K20CH	355.898	173.963	269.948	3.356	0.19839	2.29230	5 X
K06TC8P	17.5	0.15	K20CH	35.494	328.502	51.377	1.683	0.08141	2.76191	9 X
K06TD4J	17.8	0.15	K20CH	66.581	272.983	70.141	6.773	0.21029	2.28480	8 X
K06U00Q	18.5	0.15	K20CH	0.083	185.642	212.572	25.475	0.31578	2.32118	4 X
K06U33E	17.4	0.15	K20CH	64.793	299.019	53.068	5.262	0.07942	2.76707	8 X
K06U68R	18.4	0.15	K20CH	20.759	337.920	65.537	4.760	0.23570	2.29401	4 X
K06U95P	18.1	0.15	K20CH	61.402	276.321	61.708	4.858	0.25636	2.29253	7 X
K06U95W	18.8	0.15	K20CH	26.662	319.536	74.189	3.161	0.17079	2.29390	7 X
K06U98X	17.3	0.15	K20CH	341.317	10.150	77.785	5.203	0.04044	2.76932	8 X
K06U99A	16.7	0.15	K20CH	87.684	263.843	49.335	20.769	0.19491	2.77401	4 X
K06UA6D	17.6	0.15	K20CH	23.775	300.199	96.599	3.898	0.18646	2.77831	5 X
K06UD3T	17.3	0.15	K20CH	7.940	291.230	130.824	1.149	0.06294	2.76528	7 X
K06UD5O	17.3	0.15	K20CH	50.939	298.988	61.031	5.082	0.11473	2.77838	6 X
K06UE5X	17.3	0.15	K20CH	21.702	115.828	271.247	7.233	0.20079	2.75478	5 X
K06UE6M	17.5	0.15	K20CH	34.301	159.052	227.784	4.276	0.18591	2.73145	4 X
K06UF4M	17.2	0.15	K20CH	140.530	13.158	269.649	5.209	0.00526	2.73001	8 X
K06UF6X	17.2	0.15	K20CH	124.784	247.899	31.700	13.007	0.18296	2.27768	7 X
K06UI3G	16.3	0.15	K20CH	10.424	163.569	247.980	10.915	0.21778	2.74856	9 X
K06UI5L	21.3	0.15	K20CH	231.023	177.323	52.290	19.433	0.50186	0.84398	6 X
K06UJ2G	16.5	0.15	K20CH	3.653	138.876	277.568	6.695	0.27161	2.78331	6 X
K06UJ8J	18.3	0.15	K20CH	349.213	40.614	40.370	9.567	0.22611	2.30478	7 X
K06UJ9H	17.7	0.15	K20CH	47.146	316.375	49.140	8.562	0.23829	2.77708	5 X
K06UK3M	17.0	0.15	K20CH	40.108	91.795	261.801	10.848	0.25256	2.78405	8 X
K06UM4M	16.5	0.15	K20CH	47.665	134.313	249.868	5.807	0.05050	2.73771	9 X
K06UO0O	17.6	0.15	K20CH	14.845	37.877	17.455	3.850	0.09755	2.75875	7 X
K06UR7W	18.5	0.15	K20CH	52.634	349.500	16.288	1.281	0.16135	2.28851	5 X
K06UW2X	17.2	0.15	K20CH	132.447	208.141	173.737	10.013	0.21144	2.58407	6 X
K06UY6P	18.5	0.15	K20CH	47.699	297.081	68.869	6.710	0.24685	2.29597	6 X
K06UY7Q	18.2	0.15	K20CH	288.550	282.878	237.511	3.519	0.18955	2.29273	9 X
K06Ua8P	17.1	0.15	K20CH	339.615	220.341	249.911	10.913	0.20300	2.76760	7 X
K06Uc6P	16.3	0.15	K20CH	66.037	284.439	53.163	25.302	0.14536	2.80453	8 X
K06V08O	18.7	0.15	K20CH	12.950	226.733	193.031	1.973	0.16036	2.30046	5 X
K06V11K	17.5	0.15	K20CH	69.652	121.584	239.687	2.273	0.20649	2.74383	5 X
K06V18V	17.0	0.15	K20CH	324.973	248.158	239.521	8.131	0.19174	2.76659	6 X
K06V27M	19.0	0.15	K20CH	26.236	340.911	49.953	1.853	0.22291	2.30441	6 X
K06V57D	16.9	0.15	K20CH	126.245	230.914	73.660	6.357	0.04939	2.77781	9 X
K06V72P	18.1	0.15	K20CH	351.262	25.893	60.468	7.763	0.06292	2.30022	7 X
K06VA3Z	17.2	0.15	K20CH	19.289	170.421	235.062	7.791	0.19942	2.75750	5 X
K06VB8E	18.0	0.15	K20CH	350.902	180.949	266.123	2.366	0.15813	2.78305	6 X
K06VC3G	18.9	0.15	K20CH	359.050	182.254	255.219	6.182	0.20770	2.30362	4 X
K06VC5O	17.0	0.15	K20CH	34.004	76.696	310.573	2.264	0.10598	2.79281	11 X



K06VE3Q	18.8	0.15	K20CH	8.594	196.270	224.042	22.669	0.23189	2.29440	4 X
K06VF4F	18.5	0.15	K20CH	43.783	102.108	261.768	4.129	0.24309	2.29804	6 X
K06VF4G	17.4	0.15	K20CH	30.619	111.063	266.904	2.874	0.20867	2.78865	6 X
K06VH0P	17.2	0.15	K20CH	355.624	176.282	265.838	12.552	0.15461	2.78972	6 X
K06VH1S	17.9	0.15	K20CH	355.420	88.451	343.892	7.688	0.28317	2.78985	6 X
K06W02L	18.1	0.15	K20CH	46.712	316.733	66.779	23.276	0.10342	1.98333	6 X
K06W27N	17.4	0.15	K20CH	53.451	1.907	343.177	7.850	0.21085	2.79101	3 X
K06W46H	17.2	0.15	K20CH	36.861	86.367	301.501	2.251	0.16063	2.78670	8 X
K06W76X	18.3	0.15	K20CH	2.561	191.845	233.146	2.158	0.11965	2.30636	9 X
K06W80C	18.9	0.15	K20CH	49.957	294.088	47.683	5.460	0.31905	2.30973	3 X
K06W91P	17.0	0.15	K20CH	11.990	127.012	282.395	4.582	0.05316	2.79430	7 X
K06W92Y	17.1	0.15	K20CH	126.275	220.513	82.681	5.254	0.04758	2.77992	9 X
K06WE3Z	18.7	0.15	K20CH	25.679	302.833	96.700	5.909	0.22823	2.30180	5 X
K06WG6Y	18.5	0.15	K20CH	44.823	177.577	191.724	0.794	0.20257	2.30549	9 X
K06WK3D	17.7	0.15	K20CH	70.138	82.772	238.724	22.625	0.24269	2.30913	4 X
K06WK3K	16.9	0.15	K20CH	147.811	11.553	258.373	0.847	0.02836	2.83949	12 X
K06WK5N	17.8	0.15	K20CH	348.390	7.217	82.502	6.125	0.12926	2.79422	5 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
K06WM4P	17.4	0.15	K20CH	353.074	80.390	349.627	5.296	0.04973	2.81135	8 X
K06WMSD	17.5	0.15	K20CH	62.339	342.845	18.167	2.089	0.08885	2.78675	6 X
K06WMS9	17.3	0.15	K20CH	108.066	257.177	64.856	5.769	0.02413	2.79610	7 X
K06WN2L	19.2	0.15	K20CH	9.780	142.911	266.988	2.757	0.20685	2.31952	3 X
K06X11L	17.0	0.15	K20CH	16.036	156.517	260.907	7.848	0.09478	2.77337	11 X
K06X47D	16.8	0.15	K20CH	15.990	149.983	255.970	11.686	0.07810	2.81097	8 X
K06X49K	18.0	0.15	K20CH	15.730	141.075	276.520	5.833	0.13809	2.32671	6 X
K06Y24W	18.1	0.15	K20CH	310.824	156.166	323.228	3.089	0.12812	2.33886	10 X
K06Y25O	18.6	0.15	K20CH	346.383	59.317	35.049	2.249	0.13499	2.32200	5 X
K06Y27Y	16.9	0.15	K20CH	6.811	117.842	287.651	9.969	0.12309	2.85338	7 X
K06Y41P	17.3	0.15	K20CH	346.747	324.295	81.541	5.439	0.15596	2.35666	10 X
K06Y57N	17.6	0.15	K20CH	321.089	177.937	299.380	5.611	0.06263	2.32778	9 X
K06Y59L	18.4	0.15	K20CH	334.699	35.209	75.845	4.440	0.16203	2.33712	6 X
K06Y61K	18.1	0.15	K20CH	39.923	357.678	12.817	9.562	0.22009	2.34095	5 X
K06Y63Y	17.9	0.15	K20CH	311.323	179.910	304.208	4.439	0.16154	2.35765	6 X
K06Y64V	18.1	0.15	K20CH	38.710	323.308	52.205	5.271	0.15189	2.33958	5 X
K06Y65P	18.4	0.15	K20CH	21.032	69.883	330.503	2.470	0.23782	2.33107	6 X
K06Y67R	18.1	0.15	K20CH	11.809	28.781	347.011	2.152	0.19831	2.36365	7 X
K06Y68A	18.5	0.15	K20CH	350.379	223.117	227.023	1.972	0.18801	2.32053	4 X
K07A01S	16.8	0.15	K20CH	11.996	10.213	34.373	17.640	0.35679	2.76009	6 X
K07A22B	17.3	0.15	K20CH	2.736	342.694	44.441	2.788	0.21552	2.38514	11 X
K07B12Q	18.5	0.15	K20CH	331.868	90.829	10.118	2.249	0.15976	2.34504	5 X
K07B23N	17.5	0.15	K20CH	340.701	137.039	304.554	15.109	0.20568	2.86027	5 X
K07B26G	17.0	0.15	K20CH	18.350	300.621	112.508	4.799	0.13148	2.84840	12 X
K07BA3E	18.4	0.15	K20CH	351.481	243.193	206.705	0.593	0.10862	2.35127	6 X
K07BA6M	18.0	0.15	K20CH	38.665	303.572	75.900	5.060	0.16294	2.35575	7 X
K07BA6N	17.3	0.15	K20CH	301.892	230.358	266.366	10.318	0.13481	2.36089	5 X
K07C10L	18.0	0.15	K20CH	321.079	351.826	130.230	2.014	0.12877	2.34217	8 X
K07C21Z	18.0	0.15	K20CH	339.825	70.957	35.762	3.256	0.18550	2.33343	8 X
K07D07H	17.7	0.15	K20CH	298.898	195.128	314.574	1.872	0.14655	2.35867	8 X
K07D44B	17.7	0.15	K20CH	258.048	230.075	306.532	5.936	0.08187	2.38052	8 X
K07DA7Z	18.8	0.15	K20CH	7.223	97.806	316.264	3.526	0.23847	2.33889	5 X
K07E55B	18.0	0.15	K20CH	342.848	34.691	51.817	3.990	0.10284	2.38421	8 X
K07E78C	16.0	0.15	K20CH	43.199	189.316	137.412	2.762	0.11771	3.12659	13 X
K07EI3S	16.3	0.15	K20CH	13.113	262.813	101.917	3.148	0.07722	3.04186	12 X
K07EI9O	18.5	0.15	K20CH	359.931	186.613	243.630	1.625	0.15838	2.37199	8 X
K07EN5H	17.1	0.15	K20CH	24.448	357.194	36.893	6.476	0.08530	2.95776	7 X
K07EO0P	18.1	0.15	K20CH	57.960	55.286	162.350	12.620	0.13354	2.59660	3 V
K07F57G	16.5	0.15	K20CH	117.813	243.068	65.730	16.331	0.08145	3.04574	4 X
K07H66R	16.0	0.15	K20CH	79.026	258.540	67.127	26.694	0.24592	3.18752	4 X
K07J16Y	16.2	0.15	K20CH	227.462	152.569	63.026	24.011	0.15217	3.02324	5 X
K07J47L	16.6	0.15	K20CH	72.498	285.125	57.405	6.407	0.15615	3.08921	9 X
K07K02C	18.8	0.15	K20CH	19.718	255.447	164.390	11.511	0.08468	1.81144	8 X
K07K10R	16.4	0.15	K20CH	322.919	40.334	67.654	10.588	0.03345	3.06009	10 X
K07L16N	16.6	0.15	K20CH	13.724	283.268	129.340	11.825	0.04642	3.07976	8 X
K07L27A	17.4	0.15	K20CH	69.182	136.397	197.725	12.897	0.27075	2.60033	5 X
K07L31D	18.2	0.15	K20CH	31.560	343.190	50.759	5.328	0.18183	2.57402	6 X
K07L38P	16.8	0.15	K20CH	118.422	18.257	267.651	12.932	0.12910	2.54964	7 X
K07L38Y	15.7	0.15	K20CH	235.078	289.254	272.757	18.692	0.08213	3.14441	9 X
K07M04Y	16.2	0.15	K20CH	67.275	241.821	95.629	27.707	0.21290	3.19367	6 X
K07M12A	15.8	0.15	K20CH	24.738	106.350	295.374	15.982	0.07052	3.22204	10 X
K07M29A	17.8	0.15	K20CH	63.375	126.772	218.368	15.474	0.20560	2.52313	6 X
K07N07Q	16.3	0.15	K20CH	51.539	304.446	57.281	13.936	0.21839	2.55999	7 X
K07O02Z	16.7	0.15	K20CH	116.180	227.889	73.955	3.119	0.18522	2.53441	13 X
K07O06M	17.1	0.15	K20CH	96.308	293.018	9.125	4.659	0.23547	2.55825	11 X
K07R05U	16.2	0.15	K20CH	154.569	322.192	296.619	12.427	0.16469	2.55361	12 X
K07R06E	17.2	0.15	K20CH	68.503	22.224	305.916	4.965	0.26209	2.60473	6 X
K07R13D	17.1	0.15	K20CH	47.454	10.484	344.391	13.184	0.24489	2.62332	8 X
K07R32C	17.2	0.15	K20CH	61.467	199.536	143.238	13.362	0.26812	2.60102	6 X
K07R57U	17.5	0.15	K20CH	58.118	311.769	36.305	5.084	0.26746	2.63250	5 X
K07R97W	18.1	0.15	K20CH	21.155	355.088	28.921	7.894	0.29083	2.64502	3 X
K07RE2Q	17.2	0.15	K20CH	45.172	334.524	13.600	6.849	0.34165	2.64649	5 X
K07RH8Y	16.9	0.15	K20CH	317.060	88.164	19.263	22.239	0.07615	2.61309	6 X
K07RK0M	17.5	0.15	K20CH	14.817	217.470	192.092	12.836	0.19700	2.62057	2 X
K07RK5N	17.6	0.15	K20CH	33.854	28.624	340.363	7.118	0.27528	2.63454	4 X
K07RN2U	17.7	0.15	K20CH	41.917	203.849	168.242	14.403	0.25656	2.61392	5 X
K07RR7Z	16.5	0.15	K20CH	125.878	225.092	69.513	14.062	0.16993	2.57150	13 X
K07RS6W	17.1	0.15	K20CH	355.854	13.347	14.370	14.171	0.25458	2.66532	5 X
K07RV4F	17.7	0.15	K20CH	26.767	348.836	31.449	14.396	0.25363	2.63244	2 X
K07RW7O	17.4	0.15	K20CH	33.410	30.490	353.211	13.260	0.17235	2.60957	7 X
K07RW8M	17.2	0.15	K20CH	166.034	228.142	29.537	4.116	0.07052	2.58840	10 X
K07RY0F	17.0	0.15	K20CH	277.158	142.158	20.844	5.830	0.15881	2.56509	8 X
K07Ra4R	17.5	0.15	K20CH	72.537	299.575	19.351	2.096	0.06767	2.63701	3 V
K07S13J	18.9	0.15	K20CH	34.028	53.196	330.505	3.077	0.14319	2.17441	6 X

K07S25E	16.2	0.15	K20CH	137.806	221.238	55.152	15.841	0.21741	2.55171	10	X
K07T02H	17.7	0.15	K20CH	133.686	236.165	41.867	4.202	0.12318	2.17823	10	X
K07T22P	17.3	0.15	K20CH	1.740	18.374	45.924	14.708	0.26636	2.64338	6	X
K07T810	17.2	0.15	K20CH	13.380	354.136	41.949	15.022	0.25040	2.65651	4	X
K07T89P	16.8	0.15	K20CH	100.047	260.001	48.098	15.579	0.13873	2.63659	6	X
K07TG2U	17.4	0.15	K20CH	25.197	182.323	206.948	14.048	0.25373	2.63685	2	X
K07TJ3Y	20.1	0.15	K20CH	100.231	131.839	210.652	4.541	0.28814	2.13668	2	X
K07TK0Q	17.8	0.15	K20CH	21.676	189.854	207.989	13.837	0.24516	2.63823	2	X
K07TK2A	18.0	0.15	K20CH	358.179	260.300	174.408	2.335	0.39872	2.65091	4	X
K07TK5G	18.3	0.15	K20CH	46.355	295.754	63.687	5.020	0.28590	2.63988	3	X
K07TMLD	17.0	0.15	K20CH	28.803	60.088	329.700	8.887	0.13734	2.57049	10	X
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
K07TT8B	17.4	0.15	K20CH	0.079	57.243	8.243	7.759	0.16892	2.63081	5	X
K07TV8Y	17.2	0.15	K20CH	57.164	308.843	50.143	12.457	0.05001	2.65289	5	X
K07TW6A	17.1	0.15	K20CH	341.932	214.342	246.002	5.774	0.17536	2.62767	10	X
K07TW7W	17.0	0.15	K20CH	40.125	96.560	259.492	4.760	0.22648	2.65496	6	X
K07TW9R	17.7	0.15	K20CH	57.296	7.576	330.036	3.068	0.20400	2.65176	5	X
K07TX5M	18.9	0.15	K20CH	40.031	328.198	36.168	8.005	0.23469	2.19440	2	X
K07Te3S	18.0	0.15	K20CH	344.565	66.009	25.625	11.467	0.25869	2.64990	4	X
K07Tf2P	17.3	0.15	K20CH	51.996	40.977	300.309	5.209	0.30753	2.63483	6	X
K07Tf4A	16.9	0.15	K20CH	33.994	292.013	73.923	13.629	0.20011	2.64783	11	X
K07Tg2L	17.5	0.15	K20CH	43.697	299.255	60.687	6.430	0.33522	2.62562	6	X
K07Ti6Q	17.9	0.15	K20CH	48.338	300.224	57.417	6.422	0.27787	2.62823	5	X
K07Tj0F	18.1	0.15	K20CH	5.594	50.725	18.246	5.450	0.28987	2.62654	5	X
K07Tj4Z	13.6	0.15	K20CH	336.666	126.446	305.795	9.038	0.05044	5.12738	14	X
K07Tj6F	17.5	0.15	K20CH	358.597	28.656	53.238	13.273	0.27018	2.63413	3	X
K07Tj6V	17.4	0.15	K20CH	3.752	158.872	264.236	8.483	0.21876	2.69686	6	X
K07Tj7R	17.8	0.15	K20CH	5.646	17.749	36.795	15.048	0.25593	2.63590	3	X
K07Tk4P	17.4	0.15	K20CH	358.871	204.277	229.388	7.092	0.18266	2.63122	5	X
K07Tn0P	17.6	0.15	K20CH	26.330	137.388	246.309	13.356	0.26666	2.63394	3	X
K07Tn0Z	18.0	0.15	K20CH	99.349	116.171	17.875	6.552	0.07239	2.39499	3	V
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
K07U380	17.5	0.15	K20CH	56.610	300.561	40.918	4.169	0.22436	2.63565	6	X
K07UB3U	18.2	0.15	K20CH	27.364	137.155	252.114	5.299	0.10303	2.19428	7	X
K07UC3Z	16.6	0.15	K20CH	45.463	306.711	68.033	12.668	0.10971	2.63460	10	X
K07UE1E	17.4	0.15	K20CH	7.908	162.660	247.926	11.579	0.18150	2.66317	6	X
K07UE7N	18.6	0.15	K20CH	54.615	302.768	53.855	8.796	0.21790	2.17573	4	X
K07UF9B	16.0	0.15	K20CH	42.303	327.127	39.448	10.292	0.07656	3.43738	7	X
K07UF9C	17.1	0.15	K20CH	347.144	35.181	37.354	10.621	0.12213	2.64530	9	X
K07UF9D	18.0	0.15	K20CH	3.738	153.244	267.345	11.692	0.27420	2.64348	3	X
K07UF9H	17.7	0.15	K20CH	15.512	184.282	213.119	9.128	0.04937	2.66768	4	V
K07V08R	18.4	0.15	K20CH	351.904	34.061	44.958	22.752	0.04204	1.87658	5	X
K07V11W	16.5	0.15	K20CH	36.171	133.645	238.178	30.979	0.21477	2.66117	7	X
K07V49Y	17.3	0.15	K20CH	252.505	248.745	281.753	4.351	0.05297	2.65932	10	X
K07V58J	16.9	0.15	K20CH	90.391	60.941	251.312	11.449	0.32261	2.63526	5	X
K07V65F	16.8	0.15	K20CH	355.103	178.797	248.927	13.565	0.11972	2.67963	7	X
K07V65V	17.6	0.15	K20CH	0.558	36.058	26.264	13.613	0.13324	2.62005	5	X
K07V66W	18.6	0.15	K20CH	43.186	344.709	26.315	2.843	0.14899	2.19583	6	X
K07V84T	18.1	0.15	K20CH	76.560	273.438	59.013	24.048	0.16186	1.89096	6	X
K07V86R	17.6	0.15	K20CH	17.151	37.735	9.316	9.999	0.21727	2.64174	5	X
K07VA3N	17.6	0.15	K20CH	23.831	337.293	68.240	3.717	0.16412	2.61687	7	X
K07VF1W	18.5	0.15	K20CH	84.814	85.308	237.276	3.027	0.17245	2.17354	6	X
K07VF5E	17.5	0.15	K20CH	42.861	107.621	252.850	10.155	0.21632	2.65876	4	X
K07VH1E	17.8	0.15	K20CH	312.015	155.889	333.175	4.655	0.18743	2.65603	7	X
K07VM6X	17.1	0.15	K20CH	337.161	194.769	276.970	12.759	0.21528	2.69817	6	X
K07VR4B	16.3	0.15	K20CH	28.386	122.048	265.053	17.215	0.28901	2.64220	5	X
K07VS5T	17.2	0.15	K20CH	11.901	348.185	68.861	14.870	0.14071	2.65918	6	X
K07VS8Z	18.1	0.15	K20CH	91.916	154.027	161.040	7.349	0.22618	2.18743	7	X
K07VT2K	17.6	0.15	K20CH	317.840	61.250	74.519	14.082	0.21866	2.66391	5	X
K07VU0K	17.2	0.15	K20CH	0.576	244.407	196.168	13.278	0.23066	2.64307	6	X
K07VU1M	18.5	0.15	K20CH	7.981	240.785	177.268	6.430	0.41321	2.65675	3	X
K07VU3V	18.6	0.15	K20CH	7.770	357.595	62.205	23.369	0.11075	1.88106	6	X
K07VW0S	17.7	0.15	K20CH	2.519	177.905	248.787	13.019	0.22628	2.64539	4	X
K07VX9E	17.3	0.15	K20CH	341.421	140.342	300.210	5.957	0.12516	2.72100	6	X
K07VY40	17.4	0.15	K20CH	315.268	56.348	72.707	13.590	0.10584	2.65458	8	X
K07VY5H	17.8	0.15	K20CH	351.710	262.267	191.925	11.170	0.27035	2.64515	6	X
K07VY7T	17.3	0.15	K20CH	58.980	102.131	249.058	12.404	0.13767	2.66007	5	X
K07VZ50	17.0	0.15	K20CH	350.766	161.151	269.904	8.163	0.07658	2.70874	6	X
K07Va5Y	18.4	0.15	K20CH	1.341	357.928	77.818	6.309	0.12915	2.19485	5	X
K07W30D	18.0	0.15	K20CH	329.618	214.321	255.094	12.687	0.21610	2.66382	6	X
K07W31X	17.9	0.15	K20CH	340.621	46.910	46.976	12.211	0.15819	2.66225	3	X
K07W33D	17.8	0.15	K20CH	14.964	62.437	350.042	3.235	0.15856	2.65698	7	X
K07W37V	16.8	0.15	K20CH	278.850	247.524	267.361	11.893	0.06907	2.67062	5	X
K07W44Y	18.3	0.15	K20CH	340.418	131.444	328.390	6.892	0.23206	2.65452	3	X
K07X01V	16.6	0.15	K20CH	309.289	228.794	247.449	10.118	0.05695	2.67632	8	X
K07X10B	17.7	0.15	K20CH	63.994	37.251	261.140	41.327	0.59974	2.20980	5	X
K07X14A	18.0	0.15	K20CH	51.239	284.315	69.121	8.246	0.26298	2.67189	6	X
K07X19V	17.4	0.15	K20CH	10.776	162.144	258.666	13.137	0.22942	2.64620	4	X
K07X62X	18.3	0.15	K20CH	89.410	248.204	61.181	6.610	0.22455	2.19660	6	X
K07X640	16.7	0.15	K20CH	307.817	18.964	112.347	14.354	0.07126	2.69700	6	X
K07Y69V	17.2	0.15	K20CH	21.785	102.150	295.408	10.410	0.09239	2.73089	6	X
K07Y76L	17.2	0.15	K20CH	40.141	63.984	307.382	13.513	0.05205	2.73582	6	X
K07Y80H	16.9	0.15	K20CH	355.125	192.694	251.976	10.472	0.08199	2.67499	7	X
K07Y81W	18.8	0.15	K20CH	114.695	19.748	275.758	17.968	0.05843	1.91233	5	X
K07Y87J	17.2	0.15	K20CH	353.664	165.012	270.509	12.033	0.06296	2.73118	6	X
K07Y90L	17.3	0.15	K20CH	161.527	344.214	278.621	4.791	0.00481	2.74917	8	X
K08A130	17.2	0.15	K20CH	34.594	122.548	263.136	5.346	0.03270	2.74359	6	X
K08AE5S	15.8	0.15	K20CH	52.672	72.605	281.755	9.955	0.14793	3.53825	6	X
K08AE8Y	17.6	0.15	K20CH	50.071	56.368	311.427	7.531	0.18941	2.65021	5	X
K08B01S	18.5	0.15	K20CH	294.849	261.791	246.111	20.148	0.08348	1.91753	7	X
K08B11S	17.9	0.15	K20CH	332.166	147.926	330.753	7.332	0.24454	2.69379	6	X

K08C52V	17.7	0.15	K20CH	342.037	107.851	343.650	10.606	0.23430	2.72520	6 X
K08C59F	17.0	0.15	K20CH	332.046	138.683	315.528	7.909	0.09736	2.75935	5 X
K08C84U	17.1	0.15	K20CH	172.559	283.017	325.702	5.445	0.02211	2.80634	9 X
K08C86W	17.2	0.15	K20CH	343.088	77.638	4.449	9.937	0.09479	2.77765	7 X
K08C93Y	16.6	0.15	K20CH	45.305	1.301	8.949	8.878	0.16219	2.80220	9 X
K08CC8U	17.8	0.15	K20CH	71.002	37.320	306.162	5.996	0.13754	2.27118	10 X
K08CE5L	16.8	0.15	K20CH	357.982	284.692	157.999	13.496	0.17634	2.72779	8 X
K08CG6P	17.5	0.15	K20CH	359.674	139.801	294.286	12.187	0.17019	2.69165	6 X
K08CH6N	17.3	0.15	K20CH	160.956	230.437	41.941	7.117	0.08537	2.25752	11 X
K08CIOO	17.3	0.15	K20CH	332.121	319.305	171.901	13.652	0.23731	2.69941	6 X
K08CL9V	17.7	0.15	K20CH	35.375	311.749	78.317	6.249	0.09278	2.24737	9 X
K08CM1E	18.4	0.15	K20CH	345.450	108.945	340.705	6.518	0.17625	2.25080	5 X
K08CM4F	18.5	0.15	K20CH	334.745	157.796	294.842	6.214	0.10764	2.24856	5 X
K08D09E	18.5	0.15	K20CH	3.531	101.458	321.144	3.776	0.18607	2.23579	7 X
K08D11U	18.1	0.15	K20CH	73.478	351.447	353.217	3.891	0.02082	2.26310	7 X
K08D97L	17.5	0.15	K20CH	312.216	229.876	31.958	6.400	0.18409	2.57053	3 V
K08E42W	16.4	0.15	K20CH	343.965	43.334	30.716	12.923	0.10020	2.85500	9 X
K08E71Q	17.4	0.15	K20CH	332.201	48.863	57.563	4.251	0.05337	2.76816	10 X
K08EB5L	18.0	0.15	K20CH	286.215	216.790	299.742	3.766	0.15231	2.26671	6 X
K08EI2H	16.5	0.15	K20CH	132.251	356.379	287.459	10.136	0.09764	2.84508	7 X
K08F64S	17.8	0.15	K20CH	273.132	114.339	48.930	4.637	0.01317	2.30051	13 X
K08F81X	17.2	0.15	K20CH	13.746	320.109	94.215	1.993	0.11578	2.81713	7 X
K08F96J	17.9	0.15	K20CH	105.110	253.751	48.127	2.094	0.19535	2.35533	9 X
K08G08H	17.2	0.15	K20CH	10.888	63.444	348.732	9.968	0.12735	2.80547	6 X
K08H49A	18.0	0.15	K20CH	46.389	301.867	71.129	5.319	0.16559	2.31861	7 X
K08J42S	16.9	0.15	K20CH	4.427	25.801	41.325	6.174	0.05180	2.85062	10 X
K08K14R	16.7	0.15	K20CH	90.389	219.056	104.884	16.595	0.12361	2.97507	5 X
K08N05P	16.9	0.15	K20CH	261.668	300.184	260.389	22.486	0.24810	2.27511	6 X
K08N05U	15.8	0.15	K20CH	359.739	173.094	245.498	15.184	0.05797	3.16992	8 X
K08O04A	17.0	0.15	K20CH	166.959	352.072	274.098	4.790	0.10873	2.39810	10 X
K08O12S	16.2	0.15	K20CH	85.434	351.166	311.106	14.289	0.17114	3.14472	7 X
K08O19V	16.1	0.15	K20CH	26.767	68.892	327.019	10.723	0.18193	3.15577	9 X
K08O27J	16.3	0.15	K20CH	17.012	149.479	257.350	8.729	0.11932	3.07703	9 X
K08Q04H	17.3	0.15	K20CH	107.934	7.314	287.717	14.170	0.14472	2.43858	7 X
K08Q49U	16.5	0.15	K20CH	5.063	72.366	332.713	14.871	0.08453	3.18277	6 X
K08R20B	16.8	0.15	K20CH	18.780	221.881	188.157	12.510	0.19713	3.18325	5 X
K08R57J	17.4	0.15	K20CH	22.953	113.765	280.020	1.138	0.16985	3.19948	4 X
K08R66C	15.7	0.15	K20CH	91.807	310.658	8.313	17.990	0.02913	3.18652	8 X
K08R75N	16.6	0.15	K20CH	69.500	208.052	140.153	0.401	0.18407	3.14950	8 X
K08R82Y	17.3	0.15	K20CH	14.747	52.825	331.685	14.491	0.25455	3.23638	3 X
K08RE9A	16.6	0.15	K20CH	343.862	289.077	161.618	12.033	0.12320	3.14792	8 X
K08S63D	16.1	0.15	K20CH	42.452	42.506	336.525	9.017	0.04378	3.14359	8 X
K08SE7K	16.8	0.15	K20CH	22.426	108.310	278.761	9.025	0.18337	3.22517	5 X
K08SK9K	16.0	0.15	K20CH	328.231	133.090	315.573	27.200	0.19548	3.18688	7 X
K08SL3J	16.5	0.15	K20CH	76.857	331.445	6.057	15.843	0.06429	3.18645	7 X
K08SL7V	16.3	0.15	K20CH	46.901	344.113	15.191	9.736	0.07450	3.18683	10 X
K08SN0V	16.6	0.15	K20CH	333.096	227.462	233.576	4.776	0.11739	3.18008	11 X
K08SROB	16.3	0.15	K20CH	93.851	108.609	213.906	22.866	0.12965	3.21188	7 X
K08SW8A	17.6	0.15	K20CH	267.537	273.082	245.836	4.938	0.03720	2.48006	6 X
K08SY3L	19.2	0.15	K20CH	345.915	40.323	45.706	14.823	0.24821	2.52302	3 X
K08T35E	16.3	0.15	K20CH	45.937	358.038	3.682	10.482	0.07300	3.22423	6 X
K08T60L	16.5	0.15	K20CH	44.665	268.675	117.266	2.663	0.05979	3.18551	10 X
K08T76Z	16.4	0.15	K20CH	7.794	271.705	153.673	1.350	0.14915	3.19303	9 X
K08T95D	15.7	0.15	K20CH	100.395	293.640	354.371	15.286	0.24335	3.15723	11 X
K08TC8J	16.2	0.15	K20CH	63.955	67.005	285.200	3.717	0.14475	3.20832	11 X
K08TD8N	15.7	0.15	K20CH	127.894	274.380	13.623	12.991	0.07939	3.23011	8 X
K08TF6Z	16.3	0.15	K20CH	45.774	309.659	47.948	5.673	0.16366	3.20830	7 X
K08TI5W	15.3	0.15	K20CH	86.089	86.440	240.491	20.217	0.07615	3.19654	8 X
K08TJ1X	16.3	0.15	K20CH	51.392	341.405	19.999	9.017	0.07806	3.20104	6 X
K08TJ9D	17.1	0.15	K20CH	30.903	112.537	267.206	10.671	0.29238	2.55572	6 X
K08U12Z	19.0	0.15	K20CH	11.751	177.736	235.538	1.687	0.27603	2.49599	4 X
K08U65K	16.2	0.15	K20CH	12.371	146.275	263.039	7.687	0.14886	3.28079	6 X
K08U74S	17.8	0.15	K20CH	20.960	44.327	357.155	3.132	0.07473	2.52341	8 X
K08U90Z	16.4	0.15	K20CH	71.639	294.146	55.210	13.283	0.12467	3.17109	8 X
K08UM5H	18.5	0.15	K20CH	347.348	82.422	3.220	4.425	0.20955	2.52197	4 X
K08UQ2C	17.8	0.15	K20CH	315.260	207.946	264.667	11.528	0.10831	2.53209	5 X
K08UV6Y	16.5	0.15	K20CH	29.618	301.521	83.468	5.008	0.21969	2.57016	10 X
K08UW2P	17.9	0.15	K20CH	51.511	133.081	241.917	9.936	0.10648	2.48000	4 X
K08Uc4B	17.0	0.15	K20CH	140.572	243.888	44.943	14.524	0.03260	2.51773	7 X
K08Uf0E	18.3	0.15	K20CH	98.992	244.821	274.122	5.188	0.17502	2.27703	4 V
K08Uf0F	16.9	0.15	K20CH	301.817	242.409	50.642	6.003	0.06078	2.80329	5 V
K08V87W	17.1	0.15	K20CH	30.623	111.794	274.922	11.945	0.19928	2.55601	4 X
K08VA2O	17.7	0.15	K20CH	15.529	331.395	74.345	7.389	0.28566	2.54846	6 X
K08W45X	16.6	0.15	K20CH	126.411	224.723	62.708	10.558	0.26483	2.51778	6 X
K08W65C	14.6	0.15	K20CH	2.303	104.384	309.845	3.630	0.06784	5.18583	7 X
K08W89V	16.2	0.15	K20CH	33.560	279.430	94.415	13.440	0.19666	2.57846	10 X
K08WB7N	18.0	0.15	K20CH	58.556	286.238	69.617	7.159	0.12147	2.53142	5 X
K08WC7N	16.5	0.15	K20CH	35.148	58.024	335.541	1.359	0.07053	3.15257	11 X
K08WE7K	15.2	0.15	K20CH	197.257	325.163	247.720	14.674	0.08664	3.40596	9 X
K08WF3G	17.5	0.15	K20CH	71.239	39.771	293.322	4.624	0.17734	2.53052	7 X
K08WGOG	18.5	0.15	K20CH	153.638	115.273	277.882	16.943	0.08519	1.99815	3 V
K08X06S	17.0	0.15	K20CH	14.971	20.191	21.028	6.622	0.20526	2.55402	6 X
K08X27B	17.6	0.15	K20CH	347.425	155.839	278.954	9.613	0.09719	2.53506	5 X
K08X48Z	16.9	0.15	K20CH	21.493	122.790	275.408	12.335	0.18000	2.54933	5 X
K08X58A	16.7	0.15	K20CH	284.827	245.246	261.914	10.869	0.07918	2.56427	9 X
K08X61P	17.3	0.15	K20CH	92.750	353.703	303.401	3.756	0.22139	2.55808	7 X
K08Y01C	17.6	0.15	K20CH	9.071	162.134	253.743	1.595	0.25724	2.53202	7 X
K08Y25T	17.8	0.15	K20CH	47.484	233.232	138.652	0.685	0.16386	2.53212	7 X
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
K08YB5P	17.1	0.15	K20CH	301.772	186.041	293.745	13.932	0.04770	2.59261	7 X
K08YDOX	17.0	0.15	K20CH	296.467	193.802	293.759	14.364	0.06971	2.58737	8 X
K08YE7Y	18.0	0.15	K20CH	29.371	350.527	30.516	2.583	0.22157	2.56552	3 X

K08YF0F	17.7	0.15	K20CH	7.681	339.640	77.198	2.725	0.20965	2.56973	6 X
K08YF4H	17.3	0.15	K20CH	37.389	94.006	286.351	10.516	0.20027	2.57074	5 X
K08YH8F	17.1	0.15	K20CH	78.412	282.075	55.619	4.711	0.09079	2.53894	7 X
K08YJ1A	18.6	0.15	K20CH	20.631	135.191	250.553	3.987	0.30732	2.56960	3 X
K09A19U	17.8	0.15	K20CH	45.018	277.342	88.034	3.332	0.23726	2.57202	5 X
K09A34V	16.9	0.15	K20CH	197.606	297.409	286.990	13.168	0.10204	2.59556	9 X
K09A47O	16.7	0.15	K20CH	223.428	278.211	295.974	11.291	0.19455	2.62955	5 X
K09A53T	16.8	0.15	K20CH	20.959	8.565	19.412	5.792	0.30186	2.56791	7 X
K09A56B	17.1	0.15	K20CH	283.237	115.739	36.589	14.256	0.09571	2.57891	8 X
K09B13X	16.6	0.15	K20CH	326.492	226.849	261.780	27.686	0.26527	2.55283	5 X
K09B25Z	18.1	0.15	K20CH	18.309	348.445	66.202	2.407	0.13022	2.56517	6 X
K09B65P	17.7	0.15	K20CH	323.584	160.772	314.965	3.278	0.17188	2.59117	7 X
K09B71O	17.5	0.15	K20CH	307.329	218.203	273.082	8.860	0.15368	2.58230	5 X
K09B74K	16.8	0.15	K20CH	265.165	269.926	261.705	10.429	0.19817	2.61063	6 X
K09B90K	17.3	0.15	K20CH	16.031	85.220	305.951	3.008	0.28323	2.59272	5 X
K09B95Y	17.2	0.15	K20CH	37.673	135.141	240.403	4.599	0.25798	2.56046	7 X
K09BA0N	16.9	0.15	K20CH	80.859	24.981	301.093	4.612	0.06066	2.63444	11 X
K09BD8F	17.3	0.15	K20CH	63.025	267.520	95.994	2.556	0.08735	2.60419	12 X
K09BI8F	16.9	0.15	K20CH	297.295	213.594	291.189	12.392	0.12928	2.59671	6 X
K09BK2K	17.9	0.15	K20CH	6.026	137.675	284.565	4.302	0.05734	2.59070	7 X
K09BL0A	18.1	0.15	K20CH	23.653	283.619	322.980	6.106	0.10996	2.31461	4 V
K09BLOB	16.8	0.15	K20CH	90.155	85.360	0.775	10.950	0.08450	3.17386	4 V
K09C03N	17.4	0.15	K20CH	3.057	358.629	76.558	5.295	0.19331	2.56207	7 X
K09C04D	16.7	0.15	K20CH	25.324	29.218	347.717	12.313	0.28105	2.57481	7 X
K09C44K	16.1	0.15	K20CH	0.277	84.705	310.035	25.678	0.43227	2.59729	4 X
K09C59K	17.2	0.15	K20CH	303.490	141.066	355.563	11.551	0.12884	2.62297	7 X
K09DE5P	17.5	0.15	K20CH	291.571	127.719	18.126	9.739	0.13898	2.64892	6 X
K09F02R	17.5	0.15	K20CH	346.384	93.464	351.406	15.158	0.28144	2.59974	6 X
K09F06E	17.2	0.15	K20CH	295.731	220.297	273.923	2.624	0.02139	2.64140	11 X
K09F82U	17.2	0.15	K20CH	320.060	7.164	116.177	13.694	0.12981	2.67984	7 X
K09F93F	16.8	0.15	K20CH	318.185	100.405	5.735	21.287	0.11352	2.64741	6 X
K09F93G	18.4	0.15	K20CH	74.090	176.897	28.436	8.294	0.04313	2.35493	3 V
K09G09S	16.9	0.15	K20CH	292.376	294.356	47.351	11.050	0.07705	3.06546	4 V
K09G09T	16.9	0.15	K20CH	312.092	312.222	359.195	10.588	0.03761	3.06278	4 V
K09H56H	16.6	0.15	K20CH	58.416	306.849	356.823	6.571	0.04732	2.87197	12 V
K09H61S	17.6	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
K09HC4E	18.8	0.15	K20CH	65.889	24.705	207.837	23.694	0.12269	2.35345	3 V
K09HC4F	16.8	0.15	K20CH	311.581	99.220	216.438	1.789	0.06706	3.11526	5 V
K09K00K	20.5	0.15	K20CH	66.004	247.307	68.147	18.216	0.45534	1.50219	5 X
K09K08K	18.7	0.15	K20CH	27.262	194.066	120.510	2.274	0.59482	2.40106	3 X
K09K22C	18.1	0.15	K20CH	152.280	176.215	105.997	22.740	0.04572	1.86680	6 X
K09K43L	17.2	0.15	K20CH	190.937	175.374	63.651	10.173	0.05991	2.75604	7 X
K09L07T	18.3	0.15	K20CH	175.108	356.117	256.591	18.385	0.04155	1.89989	6 X
K09M08P	17.9	0.15	K20CH	41.586	111.180	262.921	18.272	0.09401	1.89974	7 X
K09M11S	16.7	0.15	K20CH	42.509	115.133	256.299	13.698	0.07059	2.90923	8 X
K09O09K	16.1	0.15	K20CH	37.905	57.871	286.263	10.038	0.31173	3.06088	7 X
K09P20N	16.7	0.15	K20CH	37.805	112.583	249.835	13.093	0.29789	3.04991	4 X
K09Q03Q	17.5	0.15	K20CH	33.040	111.531	271.607	6.079	0.12770	2.32329	10 X
K09Q11H	18.3	0.15	K20CH	40.183	61.353	314.509	5.601	0.17360	2.31709	6 X
K09Q38F	16.3	0.15	K20CH	168.662	335.757	276.888	7.900	0.01614	2.96157	11 X
K09Q62F	18.6	0.15	K20CH	21.798	355.323	32.500	2.943	0.23429	2.35582	4 X
K09Q67B	17.7	0.15	K20CH	4.119	22.915	32.482	6.311	0.12989	2.37058	6 X
K09Q72M	18.5	0.15	K20CH	49.072	298.421	57.496	2.250	0.20262	2.34252	6 X
K09Q76V	17.3	0.15	K20CH	9.528	23.790	20.201	6.568	0.17819	3.02920	3 V
K09R00T	16.0	0.15	K20CH	24.405	199.487	189.161	8.856	0.23854	3.05165	8 X
K09R01X	18.8	0.15	K20CH	2.288	215.389	184.071	5.079	0.37425	2.38706	3 X
K09R09S	17.2	0.15	K20CH	42.691	165.489	193.851	0.677	0.29563	3.06027	5 X
K09R22E	16.3	0.15	K20CH	206.329	290.972	281.804	6.903	0.02556	2.94049	12 X
K09R31R	17.8	0.15	K20CH	56.131	357.954	348.922	3.856	0.27762	2.34826	6 X
K09R42F	18.7	0.15	K20CH	38.218	137.903	236.811	4.060	0.24114	2.35025	4 X
K09R49D	18.0	0.15	K20CH	50.792	153.331	207.838	1.515	0.22858	2.34898	6 X
K09R58K	18.3	0.15	K20CH	20.001	188.331	221.770	4.490	0.20111	2.34447	7 X
K09R77X	17.4	0.15	K20CH	2.372	79.017	326.714	16.616	0.24445	3.05780	5 X
K09R79G	18.1	0.15	K20CH	26.466	248.563	147.302	6.785	0.15915	2.32291	6 X
K09R81R	18.8	0.15	K20CH	27.026	58.563	334.703	2.478	0.21197	2.34846	3 X
K09S07L	18.5	0.15	K20CH	32.928	98.212	284.707	5.474	0.16046	2.33531	5 X
K09S20G	15.8	0.15	K20CH	134.461	20.447	249.554	8.409	0.13178	3.02241	11 X
K09S25J	17.1	0.15	K20CH	4.156	140.170	277.026	1.835	0.15651	3.04158	7 X
K09S43T	16.8	0.15	K20CH	48.830	85.115	271.998	3.403	0.17459	3.07390	7 X
K09S50Z	16.7	0.15	K20CH	20.090	14.842	5.654	5.746	0.30100	3.07886	7 X
K09S57Y	18.4	0.15	K20CH	21.479	74.372	332.378	5.768	0.19755	2.35101	4 X
K09S95F	16.1	0.15	K20CH	138.378	280.305	358.900	16.811	0.07667	2.96173	9 X
K09S99D	16.1	0.15	K20CH	333.362	221.733	189.808	9.588	0.09253	3.12655	9 X
K09SC4A	17.8	0.15	K20CH	54.409	135.737	228.090	5.188	0.16359	2.34137	6 X
K09SC4J	17.2	0.15	K20CH	174.378	275.064	329.937	5.707	0.11186	2.33254	10 X
K09SC6D	18.0	0.15	K20CH	57.435	7.196	348.139	5.679	0.18863	2.34626	5 X
K09SC8G	17.1	0.15	K20CH	7.166	217.185	200.998	16.108	0.29979	3.06152	4 X
K09SE2L	18.0	0.15	K20CH	359.025	45.519	16.584	5.919	0.14521	2.33523	7 X
K09SE4A	17.7	0.15	K20CH	3.220	39.540	19.430	12.059	0.35481	3.07615	2 X
K09SE8X	16.7	0.15	K20CH	58.690	96.867	259.501	8.481	0.22037	2.97950	6 X
K09SG5C	17.0	0.15	K20CH	355.109	49.746	32.108	16.974	0.30645	3.09833	5 X
K09SH0R	17.8	0.15	K20CH	27.764	35.245	356.182	3.762	0.07740	2.36195	7 X
K09SH4Q	18.3	0.15	K20CH	35.410	30.361	345.416	6.562	0.18980	2.34671	6 X
K09SK1Y	17.8	0.15	K20CH	50.186	311.260	42.368	4.562	0.20658	2.35834	6 X
K09SK2A	18.2	0.15	K20CH	20.567	9.837	36.629	5.239	0.23151	2.35341	5 X
K09SP0Q	17.3	0.15	K20CH	7.629	9.213	39.885	7.287	0.14526	3.07442	3 V
K09SP4Q	19.0	0.15	K20CH	28.139	202.824	170.949	5.948	0.37847	2.36724	2 X
K09SP9R	18.4	0.15	K20CH	50.024	319.302	31.870	3.367	0.20942	2.34752	5 X
K09SR1T	16.6	0.15	K20CH	39.920	28.323	344.393	4.789	0.15862	3.06167	9 X
K09SR2J	16.5	0.15	K20CH	335.033	94.903	12.534	10.100	0.10496	3.02950	8 X
K09SR3P	17.6	0.15	K20CH	33.174	302.506	72.541	1.010	0.25733	3.05804	5 X
K09SS1N	17.1	0.15	K20CH	23.473	356.803	28.046	13.210	0.16703	3.06797	4 X

K09SS9X	16.8	0.15	K20CH	27.740	343.267	32.725	18.176	0.20127	3.08986	3 X
K09SV7G	18.1	0.15	K20CH	30.505	352.330	32.611	4.261	0.12913	2.34152	7 X
K09SW5L	16.8	0.15	K20CH	59.958	281.930	57.700	12.771	0.28961	3.05940	4 X
K09SX1L	18.2	0.15	K20CH	58.273	290.314	51.157	4.954	0.29059	2.34476	6 X
K09SX9B	16.3	0.15	K20CH	47.112	17.810	352.660	9.957	0.12467	3.04714	7 X
K09SZ7B	16.2	0.15	K20CH	48.861	339.904	30.402	9.482	0.07798	3.06281	6 X
K09SZ8C	15.3	0.15	K20CH	6.038	135.222	303.760	22.443	0.17764	3.12991	10 X
K09SZ8J	16.3	0.15	K20CH	60.999	297.510	27.221	17.864	0.35703	3.07947	5 X
K09SZ8K	18.5	0.15	K20CH	359.923	69.128	358.469	9.022	0.48356	3.09308	2 X
K09SZ9B	18.0	0.15	K20CH	46.304	58.075	306.941	7.772	0.21637	2.34865	5 X
K09Sa9V	16.5	0.15	K20CH	13.647	174.988	238.774	9.027	0.06266	3.01815	8 X
K09Sb1F	18.1	0.15	K20CH	357.180	95.146	336.429	2.864	0.07750	2.34948	8 X
K09Sb4L	16.5	0.15	K20CH	44.810	321.036	51.629	10.218	0.04693	3.04645	9 X
K09Sb6T	16.8	0.15	K20CH	355.925	59.094	8.821	13.333	0.19110	3.03457	6 X
K09Sb8H	18.7	0.15	K20CH	255.987	169.044	355.350	18.132	0.02174	1.93090	5 X
K09Sc9N	16.6	0.15	K20CH	0.559	197.416	237.055	7.956	0.02481	2.99465	8 X
K09Sd3E	18.2	0.15	K20CH	31.436	144.427	246.279	3.447	0.14930	2.33556	5 X
K09Sd4X	18.1	0.15	K20CH	66.650	293.386	51.534	3.256	0.14166	2.33253	9 X
K09Se0B	17.1	0.15	K20CH	67.665	82.326	268.709	7.404	0.13618	3.03101	4 X
K09Se7B	18.8	0.15	K20CH	20.329	30.507	4.431	1.520	0.17227	2.38002	5 X
K09Se7F	18.6	0.15	K20CH	6.439	14.966	39.426	3.902	0.17069	2.33790	4 X
K09Se9B	17.4	0.15	K20CH	3.691	32.466	2.776	9.911	0.13435	3.10763	3 V
K09T05U	16.5	0.15	K20CH	25.431	296.911	41.622	8.232	0.28326	3.17325	7 X
K09T11R	17.5	0.15	K20CH	343.081	327.711	83.018	3.565	0.18171	2.40693	9 X
K09T22M	16.0	0.15	K20CH	1.123	115.203	310.107	8.811	0.05328	3.05462	8 X
K09T50O	16.6	0.15	K20CH	69.115	51.270	287.229	6.377	0.06698	3.07583	8 X
K09T50R	17.5	0.15	K20CH	57.982	336.828	355.378	13.005	0.24063	2.36967	6 X
K09T52H	16.7	0.15	K20CH	17.214	142.472	261.900	13.734	0.08873	3.03223	7 X
K09U13Z	16.3	0.15	K20CH	20.082	0.993	26.661	19.823	0.22363	3.06478	7 X
K09U14M	16.7	0.15	K20CH	53.125	47.771	287.080	7.461	0.24160	3.08340	4 X
K09U20T	17.9	0.15	K20CH	63.150	286.726	58.637	4.261	0.25610	2.35280	6 X
K09U26L	15.8	0.15	K20CH	11.569	4.711	49.872	11.728	0.04892	3.07970	9 X
K09U28D	18.1	0.15	K20CH	35.787	326.591	56.895	6.511	0.15315	2.36861	5 X
K09U30H	16.8	0.15	K20CH	59.392	312.847	45.895	8.579	0.11756	3.07801	6 X
K09U32D	17.9	0.15	K20CH	340.864	246.762	216.829	1.849	0.12703	2.35642	10 X
K09U33E	18.6	0.15	K20CH	347.718	43.500	51.804	4.814	0.16965	2.36314	4 X
K09U45W	16.7	0.15	K20CH	355.014	43.009	40.270	7.103	0.11810	3.05992	8 X
K09U75L	18.3	0.15	K20CH	10.812	180.606	239.549	4.023	0.14859	2.35219	4 X
K09U84L	18.2	0.15	K20CH	357.061	18.991	62.660	8.764	0.15166	2.36573	5 X
K09U89M	16.5	0.15	K20CH	41.827	136.735	239.398	8.892	0.13667	3.07297	6 X
K09U89Q	13.8	0.15	K20CH	347.443	355.975	31.720	13.286	0.19476	5.22370	5 X
K09U93H	16.7	0.15	K20CH	28.027	131.383	259.399	4.206	0.17580	3.07385	6 X
K09UA6K	17.8	0.15	K20CH	97.427	89.713	237.848	6.290	0.05702	2.37226	11 X
K09UB2F	16.3	0.15	K20CH	65.431	125.481	233.017	8.696	0.08724	3.04381	7 X
K09UC6W	16.4	0.15	K20CH	93.320	89.772	248.758	10.200	0.04242	3.02415	10 X
K09UC8V	17.8	0.15	K20CH	19.738	171.122	236.853	7.528	0.11113	2.36530	8 X
K09UE3E	16.1	0.15	K20CH	165.759	209.766	55.454	10.549	0.06209	3.07387	7 X
K09UF1V	18.1	0.15	K20CH	20.102	103.467	298.093	4.242	0.24899	2.36488	4 X
K09UG1S	16.2	0.15	K20CH	346.073	195.151	246.869	6.831	0.21170	3.04603	9 X
K09UG6A	16.1	0.15	K20CH	314.924	248.112	248.527	24.904	0.23265	3.09708	5 X
K09UG6G	15.2	0.15	K20CH	71.245	72.504	272.072	20.204	0.03409	3.24833	7 X
K09UH2J	17.7	0.15	K20CH	7.895	166.796	260.227	9.403	0.08283	2.34744	5 X
K09UH5Z	18.7	0.15	K20CH	36.454	224.910	158.128	1.562	0.18881	2.37088	5 X
K09UI0B	16.7	0.15	K20CH	40.967	316.448	35.635	22.513	0.24173	3.07578	2 X
K09UI0D	18.9	0.15	K20CH	98.265	274.906	36.772	22.070	0.09888	1.94985	2 X
K09UI0V	19.0	0.15	K20CH	35.183	316.520	53.734	11.081	0.24056	2.37672	3 X
K09V16M	16.5	0.15	K20CH	341.745	200.099	249.566	16.147	0.19210	3.14027	5 X
K09V17Q	18.1	0.15	K20CH	7.673	350.119	72.803	2.601	0.15869	2.36124	4 X
K09V28F	17.8	0.15	K20CH	20.471	180.065	227.913	4.272	0.18217	2.36583	5 X
K09V28L	17.8	0.15	K20CH	45.146	34.894	334.588	1.949	0.19863	2.36288	7 X
K09V35C	18.4	0.15	K20CH	36.939	6.333	357.351	2.083	0.22245	2.38241	4 X
K09V38U	16.0	0.15	K20CH	341.303	206.659	245.726	16.011	0.20143	3.11568	8 X
K09V50Y	16.9	0.15	K20CH	45.957	295.008	65.906	13.516	0.25165	3.09249	3 X
K09V63F	15.9	0.15	K20CH	254.597	279.784	244.818	8.148	0.02792	3.16821	11 X
K09V65J	18.1	0.15	K20CH	9.221	130.561	286.233	3.446	0.17297	2.37780	5 X
K09V69E	16.6	0.15	K20CH	349.861	30.357	56.055	4.488	0.13393	3.11499	7 X
K09V69K	17.9	0.15	K20CH	65.269	281.796	60.806	7.662	0.23886	2.38121	5 X
K09V74R	16.7	0.15	K20CH	352.012	29.788	42.134	17.201	0.20023	3.09143	5 X
K09V77R	17.4	0.15	K20CH	67.629	89.632	253.940	18.455	0.09875	1.96022	5 X
K09V79O	16.0	0.15	K20CH	36.219	338.309	24.985	18.325	0.19946	3.13297	8 X
K09V84H	17.0	0.15	K20CH	28.032	49.561	342.550	2.717	0.20713	3.10908	7 X
K09V87S	16.8	0.15	K20CH	13.301	95.271	306.287	4.434	0.22260	3.12973	7 X
K09V98G	15.5	0.15	K20CH	233.825	282.225	275.433	9.049	0.07938	3.10443	13 X
K09VA1U	16.1	0.15	K20CH	270.669	256.192	263.984	8.424	0.10180	3.12312	11 X
K09VB3J	16.6	0.15	K20CH	2.519	2.981	56.377	14.870	0.09511	3.10372	6 X
K09VB4X	18.5	0.15	K20CH	356.519	185.097	257.970	4.039	0.21256	2.37120	3 X
K09VB4Z	15.6	0.15	K20CH	63.475	55.369	282.068	21.748	0.19500	3.07710	9 X
K09VB5B	17.0	0.15	K20CH	18.710	95.313	279.386	19.458	0.31970	3.12288	4 X
K09VB5P	17.3	0.15	K20CH	34.153	300.947	76.852	23.182	0.26154	2.37823	7 X
K09VB9E	16.3	0.15	K20CH	78.871	53.916	281.950	8.621	0.08587	3.16581	9 X
K09VC0L	17.8	0.15	K20CH	325.819	202.113	255.394	6.206	0.06755	2.38120	7 X
K09VC5R	16.6	0.15	K20CH	132.954	55.835	241.725	7.916	0.00792	3.05462	7 X
K09W01H	16.3	0.15	K20CH	316.582	70.331	53.690	26.269	0.15481	3.06273	7 X
K09W11D	22.0	0.15	K20CH	293.907	127.427	65.365	11.653	0.40825	1.06654	2 X
K09W22W	17.2	0.15	K20CH	14.028	60.411	339.476	2.318	0.20380	3.11373	7 X
K09W23N	15.5	0.15	K20CH	72.602	53.914	266.922	26.161	0.22491	3.18135	8 X
K09W30T	16.6	0.15	K20CH	335.681	36.882	63.895	2.943	0.08881	3.11544	10 X
K09W31R	16.3	0.15	K20CH	25.428	328.441	69.684	11.724	0.10354	3.11981	8 X
K09W33F	15.8	0.15	K20CH	351.452	176.933	249.162	13.004	0.05085	3.16817	7 X
K09W38Q	16.0	0.15	K20CH	312.126	59.043	58.409	10.124	0.05895	3.13469	9 X
K09W42H	17.5	0.15	K20CH	9.302	356.145	62.944	6.634	0.05527	2.39240	8 X
K09W50R	16.1	0.15	K20CH	19.549	332.013	77.367	17.125	0.20616	3.07404	7 X
K09W51H	16.3	0.15	K20CH	49.171	116.257	256.457	16.939	0.08825	3.13778	10 X

K09W77B	15.9	0.15	K20CH	98.378	60.450	260.707	20.724	0.06796	3.13285	5 X
K09W83O	16.8	0.15	K20CH	32.079	102.634	268.319	10.051	0.17623	3.13389	3 X
K09W85B	18.2	0.15	K20CH	48.430	343.340	26.721	7.090	0.12246	2.37877	5 X
K09W91M	16.2	0.15	K20CH	355.891	154.880	275.196	10.140	0.04516	3.10902	7 X
K09W91V	17.7	0.15	K20CH	62.376	93.313	251.875	20.861	0.13975	2.38272	5 X
K09W99F	16.7	0.15	K20CH	10.793	358.358	43.400	15.356	0.15067	3.11144	5 X
K09W99N	16.8	0.15	K20CH	4.566	178.391	239.718	9.416	0.16876	3.09843	8 X
K09WA0R	16.9	0.15	K20CH	335.770	55.189	55.367	13.457	0.24823	3.09249	4 X
K09WA2A	15.9	0.15	K20CH	358.839	188.796	240.168	14.706	0.05671	3.07893	11 X
K09WA2D	16.4	0.15	K20CH	50.003	105.518	266.485	10.091	0.13866	3.10480	8 X
K09WA5R	18.3	0.15	K20CH	35.682	161.605	219.219	1.900	0.21820	2.37576	4 X
K09WC6F	16.7	0.15	K20CH	23.873	321.501	72.131	11.864	0.25589	3.11099	6 X
K09WDOZ	15.9	0.15	K20CH	68.671	283.066	80.772	11.299	0.03014	3.12964	8 X
K09WD5E	16.3	0.15	K20CH	235.809	265.909	289.242	7.651	0.03026	3.09272	11 X
K09WE2W	17.6	0.15	K20CH	59.036	303.149	48.370	6.554	0.14101	2.36010	7 X
K09WE4C	16.2	0.15	K20CH	23.592	119.770	274.635	10.673	0.17332	3.07866	8 X
K09WF2R	16.2	0.15	K20CH	41.572	89.166	285.844	8.364	0.10818	3.10742	10 X
K09WF6P	16.2	0.15	K20CH	23.776	156.049	241.697	10.015	0.08106	3.14609	9 X
K09WG1R	16.3	0.15	K20CH	282.077	88.533	59.484	11.998	0.02350	3.13197	9 X
K09WG4Q	16.2	0.15	K20CH	325.338	200.277	256.875	10.443	0.04514	3.15692	6 X
K09WI2M	16.6	0.15	K20CH	6.846	127.912	275.995	8.028	0.08455	3.17779	7 X
K09WI4O	17.6	0.15	K20CH	65.800	286.461	68.471	7.159	0.16111	2.36492	7 X
K09WI8U	16.3	0.15	K20CH	128.157	32.772	250.326	9.159	0.05997	3.11958	8 X
K09WJ5P	15.9	0.15	K20CH	13.180	149.915	249.176	9.941	0.06002	3.12864	11 X
K09WJ5Q	16.0	0.15	K20CH	140.241	31.116	250.791	9.487	0.07526	3.09199	11 X
K09WK2X	16.4	0.15	K20CH	4.629	170.336	247.662	9.897	0.11795	3.11980	7 X
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
K09WNOE	17.3	0.15	K20CH	350.365	7.570	79.040	4.196	0.19327	3.08321	3 X
K09WNOF	16.1	0.15	K20CH	164.722	201.473	65.868	9.980	0.07458	3.05175	9 X
K09WNOH	16.3	0.15	K20CH	332.009	47.368	59.935	14.350	0.07296	3.06470	9 X
K09WN4A	16.5	0.15	K20CH	56.308	27.370	326.854	1.031	0.17225	3.06876	13 X
K09WO2T	16.8	0.15	K20CH	336.697	53.856	44.142	9.832	0.13873	3.10531	6 X
K09WO4P	15.2	0.15	K20CH	286.835	267.091	259.164	23.939	0.23698	3.11687	7 X
K09WO5M	17.9	0.15	K20CH	351.030	46.817	40.084	2.050	0.15243	2.38367	10 X
K09WO6W	17.1	0.15	K20CH	2.796	15.004	57.436	12.041	0.21804	3.10283	4 X
K09WP4G	16.9	0.15	K20CH	348.425	154.968	289.332	3.937	0.13972	3.13823	6 X
K09WP5B	15.7	0.15	K20CH	87.317	65.875	255.798	25.971	0.20309	3.11151	6 X
K09WP6O	15.7	0.15	K20CH	336.473	197.396	251.513	10.596	0.01678	3.15317	11 X
K09WP6U	16.5	0.15	K20CH	37.058	121.862	243.226	8.881	0.23280	3.15036	6 X
K09WP7J	15.8	0.15	K20CH	31.282	139.382	259.312	20.992	0.03703	3.12826	6 X
K09WP7K	15.7	0.15	K20CH	244.241	281.948	264.499	14.014	0.07973	3.16350	7 X
K09WR0X	18.4	0.15	K20CH	333.137	46.333	56.760	3.073	0.17743	2.38552	6 X
K09WR2O	16.2	0.15	K20CH	32.231	312.895	81.831	9.448	0.06918	3.13988	8 X
K09WR3L	17.4	0.15	K20CH	3.387	160.492	270.840	3.842	0.07456	2.39090	7 X
K09WR4F	16.3	0.15	K20CH	155.953	346.389	280.066	8.810	0.04482	3.10688	8 X
K09WR4N	16.6	0.15	K20CH	315.439	214.819	261.052	4.099	0.11081	3.11211	7 X
K09WR5Y	17.9	0.15	K20CH	66.466	37.979	298.840	5.551	0.17574	2.39390	5 X
K09WT1B	18.6	0.15	K20CH	33.442	321.057	54.137	4.701	0.25453	2.39197	4 X
K09WT1F	17.4	0.15	K20CH	206.946	199.284	228.893	5.452	0.01822	2.64560	3 V
K09X03O	15.6	0.15	K20CH	16.612	155.527	252.868	22.413	0.12396	3.13802	6 X
K09X10A	17.6	0.15	K20CH	9.993	12.809	35.921	7.288	0.13021	2.35748	6 X
K09X16G	18.5	0.15	K20CH	352.491	275.976	163.862	0.011	0.18251	2.41088	8 X
K09X23P	17.9	0.15	K20CH	281.165	250.137	266.558	21.038	0.02921	1.96593	6 X
K09X24H	15.5	0.15	K20CH	324.517	234.280	260.516	17.856	0.24422	3.15727	7 X
K09X27B	16.2	0.15	K20CH	6.624	165.005	263.783	13.856	0.05359	3.11463	8 X
K09Y00H	15.9	0.15	K20CH	353.222	203.813	239.237	16.515	0.18979	3.12774	7 X
K09Y03U	16.5	0.15	K20CH	14.827	135.635	278.222	15.928	0.19310	3.17556	6 X
K09Y08B	16.7	0.15	K20CH	335.008	192.511	274.488	6.520	0.18435	3.17047	7 X
K09Y15O	16.2	0.15	K20CH	330.130	46.489	55.986	27.997	0.16002	3.09322	5 X
K09Y17L	18.3	0.15	K20CH	12.890	125.395	280.821	4.498	0.24170	2.40607	5 X
K09Y32X	16.9	0.15	K20CH	14.450	121.863	271.068	8.788	0.22123	3.17139	6 X
K10A01Z	15.9	0.15	K20CH	338.845	118.428	332.632	5.144	0.15226	3.22252	10 X
K10A02C	16.5	0.15	K20CH	358.833	148.100	277.425	13.781	0.24983	3.17416	5 X
K10A13C	17.9	0.15	K20CH	306.938	226.718	275.925	4.830	0.15242	2.38590	6 X
K10A14E	17.3	0.15	K20CH	57.340	36.492	297.264	13.845	0.19286	2.48469	7 X
K10A22X	17.9	0.15	K20CH	334.839	215.189	249.546	0.552	0.14149	2.42600	10 X
K10A38O	16.9	0.15	K20CH	2.692	149.829	280.957	9.498	0.21449	3.13388	5 X
K10A39B	16.2	0.15	K20CH	54.403	159.318	201.906	17.223	0.19685	3.06077	10 X
K10A70U	18.5	0.15	K20CH	24.537	114.375	283.764	16.320	0.11244	1.99190	5 X
K10AE2R	17.7	0.15	K20CH	312.617	161.273	311.001	6.302	0.06893	2.44104	7 X
K10AF6K	16.7	0.15	K20CH	36.790	81.777	283.329	11.334	0.17679	3.23726	6 X
K10B14K	12.5	0.15	K20CH	53.675	48.820	264.236	32.273	0.03853	5.18639	7 X
K10B32C	17.1	0.15	K20CH	15.782	68.206	302.072	18.099	0.31894	3.12838	3 X
K10B40G	16.1	0.15	K20CH	0.821	175.719	242.499	21.484	0.13288	3.08327	7 X
K10B49L	17.2	0.15	K20CH	174.592	213.994	36.143	5.630	0.03157	2.56462	9 X
K10B62M	13.7	0.15	K20CH	350.608	123.290	264.245	29.504	0.06462	5.16863	6 X
K10B85W	16.9	0.15	K20CH	199.299	214.716	11.881	8.940	0.11263	2.57663	11 X
K10B93Q	16.3	0.15	K20CH	18.699	136.719	274.745	15.103	0.08047	3.06156	7 X
K10BA4O	16.2	0.15	K20CH	334.761	134.029	295.501	20.961	0.15397	3.14828	8 X
K10BA8A	17.2	0.15	K20CH	11.655	262.691	166.988	13.600	0.15960	2.52322	6 X
K10BB3Z	16.4	0.15	K20CH	338.368	132.900	307.381	15.267	0.11798	3.11627	8 X
K10C07F	15.7	0.15	K20CH	302.311	248.685	258.586	24.626	0.24152	3.11536	5 X
K10C09S	16.9	0.15	K20CH	343.398	73.663	28.677	16.506	0.23421	3.09584	5 X
K10C21K	16.5	0.15	K20CH	15.769	286.392	122.428	16.882	0.24403	3.18646	6 X
K10C21P	17.8	0.15	K20CH	33.663	83.442	299.249	4.075	0.25375	2.41764	6 X
K10CB6K	17.9	0.15	K20CH	18.797	16.853	20.263	2.616	0.22404	2.45888	9 X
K10CD3Z	16.2	0.15	K20CH	82.521	46.569	287.311	14.110	0.10334	3.11722	8 X
K10CG4O	17.0	0.15	K20CH	122.804	102.739	195.566	1.879	0.15521	2.51001	10 X
K10CJ3T	16.8	0.15	K20CH	30.476	261.014	135.587	12.752	0.10000	3.09733	7 X
K10CJ9J	16.0	0.15	K20CH	63.974	31.568	318.920	15.597	0.10401	3.12274	11 X
K10CK1N	16.8	0.15	K20CH	28.123	132.900	269.329	27.340	0.07588	2.57880	7 X

K10CLOX	17.4	0.15	K20CH	13.365	0.817	51.127	6.889	0.23137	3.08407	4 X
K10CN2N	13.5	0.15	K20CH	329.920	136.183	280.611	29.870	0.06642	5.20371	5 X
K10CN5Y	16.7	0.15	K20CH	13.169	300.160	125.651	26.441	0.08110	2.54437	13 X
K10CO5Z	15.7	0.15	K20CH	47.670	116.547	263.574	20.827	0.04802	3.07744	6 X
K10CR1A	16.6	0.15	K20CH	89.454	13.545	290.322	15.159	0.13550	2.52346	7 X
K10D10U	17.0	0.15	K20CH	103.545	309.236	1.669	1.723	0.19084	2.52424	9 X
K10D13Q	16.4	0.15	K20CH	344.869	299.104	153.150	11.745	0.11999	3.10804	8 X
K10D67A	16.4	0.15	K20CH	345.448	80.744	11.012	14.117	0.28234	3.12873	7 X
K10D70C	16.9	0.15	K20CH	334.698	249.134	227.617	23.378	0.37733	3.14074	4 V
K10D82H	16.4	0.15	K20CH	27.638	352.447	40.832	8.541	0.11622	3.12803	8 X
K10E06L	15.7	0.15	K20CH	263.977	248.426	279.923	15.619	0.14613	3.19323	10 X
K10E09A	15.6	0.15	K20CH	327.659	41.112	66.993	22.905	0.07716	3.15048	9 X
K10E10Q	16.0	0.15	K20CH	336.776	203.620	247.924	27.501	0.14262	3.16826	7 X
K10E17L	15.9	0.15	K20CH	3.951	111.222	277.408	25.482	0.21426	3.21098	4 X
K10E25Z	16.6	0.15	K20CH	319.855	51.161	82.133	11.180	0.19232	3.14048	8 X
K10EB6R	16.4	0.15	K20CH	344.649	179.937	273.174	9.501	0.19789	3.15102	5 X
K10EB7U	17.6	0.15	K20CH	0.906	105.738	330.627	3.279	0.26021	3.12618	6 X
K10EF4R	15.0	0.15	K20CH	30.042	271.650	93.941	24.491	0.10585	3.24530	12 X
K10EF7O	17.1	0.15	K20CH	355.297	138.311	298.642	9.228	0.21934	3.14370	6 X
K10EH4O	16.3	0.15	K20CH	69.024	228.706	117.749	16.316	0.09912	3.15430	10 X
K10EH7R	15.8	0.15	K20CH	104.563	65.104	251.644	15.061	0.10300	3.16014	11 X
K10EI8P	16.7	0.15	K20CH	49.649	15.275	351.968	6.499	0.21143	2.54356	5 X
K10F19H	18.2	0.15	K20CH	318.670	61.677	73.181	4.612	0.19983	2.46839	7 X
K10F35W	16.3	0.15	K20CH	333.321	43.335	62.495	27.411	0.14659	3.17712	5 X
K10F43L	16.1	0.15	K20CH	299.607	77.833	58.764	21.323	0.13253	3.21024	6 X
K10F58G	15.4	0.15	K20CH	318.353	214.080	254.593	12.346	0.07940	3.21529	10 X
K10F67D	16.2	0.15	K20CH	25.560	318.513	76.503	15.963	0.22442	3.16695	7 X
K10FE0T	15.8	0.15	K20CH	48.804	355.565	4.776	6.687	0.12427	3.48819	7 X
K10G01Z	16.4	0.15	K20CH	355.063	22.526	40.629	29.379	0.19825	3.21126	5 X
K10GC6D	17.3	0.15	K20CH	309.120	73.053	53.506	10.855	0.01461	2.53559	9 X
K10GJ9C	17.0	0.15	K20CH	104.588	288.406	20.372	10.416	0.08024	2.53301	7 X
K10GK0V	17.4	0.15	K20CH	7.759	15.986	33.601	14.713	0.16459	2.54875	5 X
K10H96X	17.9	0.15	K20CH	143.934	42.759	274.774	10.796	0.19354	2.65282	4 X
K10J35E	16.7	0.15	K20CH	177.717	132.317	123.656	14.566	0.04812	2.56089	8 X
K10J39G	17.2	0.15	K20CH	237.238	134.855	55.392	15.252	0.04451	2.57724	6 X
K10J69O	15.0	0.15	K20CH	25.052	104.345	248.103	31.606	0.26706	2.88756	6 X
K10J99L	16.7	0.15	K20CH	174.367	200.731	46.209	13.511	0.17139	2.52439	8 X
K10JH5C	16.3	0.15	K20CH	58.017	280.109	60.498	11.535	0.24802	2.67714	10 X
K10K06A	17.1	0.15	K20CH	353.048	351.217	77.199	13.629	0.15916	2.46647	6 X
K10K26N	16.7	0.15	K20CH	108.827	235.445	64.801	21.566	0.24448	2.76382	6 X
K10K38R	16.9	0.15	K20CH	91.245	233.161	89.332	4.812	0.17708	2.66188	10 X
K10LABH	17.2	0.15	K20CH	278.581	343.638	179.103	14.502	0.00898	2.58379	10 X
K10M94W	17.5	0.15	K20CH	316.967	202.957	280.510	10.181	0.21155	2.47457	6 X
K10N67T	17.2	0.15	K20CH	19.234	83.829	300.981	13.224	0.16678	2.90306	5 X
K10N88M	15.6	0.15	K20CH	66.324	293.894	61.817	10.789	0.12187	3.54909	8 X
K10NE6N	18.0	0.15	K20CH	307.546	175.860	201.826	6.634	0.21946	2.29734	7 X
K10NE7T	17.2	0.15	K20CH	81.797	25.667	308.330	5.221	0.09080	2.73699	6 X
K10O60T	17.4	0.15	K20CH	316.760	180.602	285.603	13.424	0.08938	2.55993	7 X
K10P09K	21.8	0.15	K20CH	284.936	195.620	306.538	12.594	0.67589	0.68210	4 X
K10P81S	17.1	0.15	K20CH	350.989	70.205	359.584	6.197	0.03521	2.81222	8 X
K10R52F	16.8	0.15	K20CH	55.205	324.744	37.245	3.675	0.17835	2.84525	9 X
K10R56D	17.5	0.15	K20CH	104.664	12.460	295.040	6.049	0.02361	2.81774	4 X
K10RA5O	17.5	0.15	K20CH	9.375	40.318	8.797	6.721	0.24913	2.88699	5 X
K10RB6D	16.9	0.15	K20CH	74.596	302.716	44.969	7.084	0.09177	2.83397	9 X
K10RC9C	18.6	0.15	K20CH	47.303	42.253	326.275	4.234	0.13632	2.20426	5 X
K10RI0L	16.6	0.15	K20CH	22.103	339.030	55.786	6.063	0.18619	2.87784	9 X
K10RI1Y	18.3	0.15	K20CH	57.108	306.493	44.328	7.161	0.15881	2.20487	6 X
K10RI3M	16.1	0.15	K20CH	5.397	129.409	290.520	14.019	0.13220	2.87804	10 X
K10RL1Q	18.4	0.15	K20CH	126.122	88.343	351.301	11.196	0.28189	2.56278	4 V
K10S08S	18.6	0.15	K20CH	29.132	2.364	22.319	2.679	0.16485	2.21381	6 X
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
K10T13T	18.7	0.15	K20CH	4.685	84.811	336.288	4.059	0.18129	2.20783	7 X
K10T60D	18.7	0.15	K20CH	345.804	160.193	293.825	4.702	0.15074	2.18245	7 X
K10TB6K	17.4	0.15	K20CH	35.052	192.820	185.221	1.618	0.21302	2.87513	4 X
K10TE1Y	16.9	0.15	K20CH	41.271	73.294	300.258	4.607	0.08064	2.88737	8 X
K10TE3N	16.4	0.15	K20CH	220.100	339.844	240.534	8.650	0.01778	2.83320	13 X
K10TF0U	19.0	0.15	K20CH	28.970	122.116	251.595	4.892	0.29800	2.21609	3 X
K10TJ3G	17.8	0.15	K20CH	27.765	6.628	31.518	6.173	0.03181	2.20241	7 X
K10TJ5Z	18.0	0.15	K20CH	345.220	38.689	60.498	3.863	0.12941	2.20266	6 X
K10TJ6B	18.3	0.15	K20CH	307.055	180.293	303.403	4.749	0.11355	2.22060	6 X
K10TK1T	18.6	0.15	K20CH	359.792	42.537	25.339	15.628	0.30126	2.87119	3 X
K10TM0F	18.4	0.15	K20CH	20.055	0.735	33.581	8.296	0.12076	2.24433	5 X
K10U32O	17.3	0.15	K20CH	48.914	64.560	281.561	4.971	0.23160	2.90779	3 X
K10U79X	17.5	0.15	K20CH	28.902	109.035	269.173	7.355	0.26213	2.91667	3 X
K10U80Z	18.7	0.15	K20CH	10.527	31.413	20.123	4.831	0.15118	2.21867	6 X
K10UA0M	19.1	0.15	K20CH	25.928	337.428	62.627	5.481	0.11853	2.21068	3 X
K10UB2D	18.7	0.15	K20CH	24.658	299.244	100.135	0.856	0.06889	2.21104	6 X
K10V04Q	17.5	0.15	K20CH	359.583	350.579	80.320	7.104	0.07674	2.87595	6 X
K10V19P	18.7	0.15	K20CH	34.284	302.798	75.181	1.564	0.29843	2.22083	5 X
K10V26Q	18.8	0.15	K20CH	31.689	153.762	226.672	2.329	0.22970	2.23644	4 X
K10V40G	16.1	0.15	K20CH	133.403	4.598	275.472	13.111	0.11209	2.73589	12 X
K10V74Q	16.1	0.15	K20CH	283.117	247.660	268.352	13.551	0.09452	2.85914	11 X
K10V93H	17.1	0.15	K20CH	340.327	47.312	54.463	13.892	0.16103	2.89163	3 X
K10VC3N	18.7	0.15	K20CH	83.776	11.893	327.825	2.137	0.10150	2.21354	9 X
K10VJ8V	17.9	0.15	K20CH	30.465	329.890	49.870	9.821	0.22770	2.24020	6 X
K10VK6Z	16.7	0.15	K20CH	56.861	118.585	243.646	14.233	0.16519	2.85255	7 X
K10VL4J	16.1	0.15	K20CH	35.867	120.172	262.510	9.630	0.07176	2.90304	8 X
K10VL9K	16.9	0.15	K20CH	348.287	63.561	11.364	10.826	0.14799	2.91277	7 X
K10VM3R	17.0	0.15	K20CH	36.232	326.169	63.776	6.935	0.08575	2.93603	7 X
K10VO4E	16.4	0.15	K20CH	31.677	105.452	281.608	9.897	0.04727	2.92670	8 X
K10VO9N	16.2	0.15	K20CH	107.209	301.933	6.941	11.901	0.03857	2.92143	8 X
K10VP6E	18.5	0.15	K20CH	333.885	179.573	266.837	19.808	0.07952	1.86981	4 X

K10VQ0B	18.4	0.15	K20CH	104.402	356.280	44.918	10.059	0.25406	2.68075	3 V
K10X03L	17.0	0.15	K20CH	42.194	53.799	303.339	8.969	0.19854	2.91250	5 X
K10X35X	16.5	0.15	K20CH	263.375	285.729	243.736	8.462	0.02389	2.93997	11 X
K10X57J	16.2	0.15	K20CH	329.283	352.432	122.933	15.091	0.15533	2.92754	9 X
K10X82A	16.4	0.15	K20CH	131.883	19.592	251.284	8.292	0.11461	3.00307	9 X
K10X86M	17.0	0.15	K20CH	26.179	115.897	257.976	12.938	0.25161	2.97140	4 X
K10X93Z	18.3	0.15	K20CH	43.767	47.578	318.867	2.497	0.23340	2.26115	7 X
K10X95V	18.1	0.15	K20CH	23.183	162.612	241.029	5.952	0.09409	2.23937	6 X
K10X98X	18.2	0.15	K20CH	16.575	110.261	282.093	4.600	0.33164	2.93629	4 X
K10X99U	16.6	0.15	K20CH	7.271	309.741	91.191	18.473	0.32023	3.00786	3 X
K10XA6H	16.7	0.15	K20CH	56.637	66.196	281.774	17.169	0.16063	3.05378	6 X
K10XBOU	17.9	0.15	K20CH	40.704	107.065	278.167	6.100	0.11359	2.26992	10 X
K10Y06L	16.7	0.15	K20CH	96.200	259.597	67.519	10.452	0.10932	2.99483	7 X
K11A07D	16.3	0.15	K20CH	268.995	239.474	291.315	7.634	0.11486	3.02382	7 X
K11A09D	16.3	0.15	K20CH	355.391	144.768	283.940	8.336	0.05841	3.03060	9 X
K11A20Z	18.3	0.15	K20CH	55.410	42.632	301.783	20.427	0.05973	1.89754	5 X
K11A26C	15.9	0.15	K20CH	244.287	224.965	313.944	15.260	0.15426	3.10165	8 X
K11A44W	17.4	0.15	K20CH	331.199	16.288	100.858	1.974	0.25597	3.00280	6 X
K11A59R	18.2	0.15	K20CH	13.909	112.139	292.719	6.422	0.18560	2.27570	3 X
K11A66P	16.2	0.15	K20CH	322.310	160.858	306.679	8.464	0.06451	3.07041	6 X
K11A81P	16.1	0.15	K20CH	198.078	278.515	302.704	7.902	0.05696	3.11191	11 X
K11A83S	17.8	0.15	K20CH	49.983	9.131	353.887	7.043	0.12243	2.29684	8 X
K11A86Q	16.3	0.15	K20CH	250.328	239.190	293.927	10.651	0.01836	3.07547	5 X
K11A88H	18.0	0.15	K20CH	326.150	195.265	275.414	5.902	0.10622	2.30755	6 X
K11A99D	17.1	0.15	K20CH	4.892	353.643	64.213	7.060	0.18239	2.99231	6 X
K11A99Z	17.7	0.15	K20CH	234.756	293.525	102.396	10.859	0.04336	2.55646	3 V
K11B00E	16.3	0.15	K20CH	60.823	231.144	115.798	17.012	0.19318	3.04667	6 X
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
K11B26T	16.1	0.15	K20CH	24.694	276.070	120.364	11.190	0.10002	3.04680	11 X
K11B41J	17.8	0.15	K20CH	343.129	30.112	30.091	7.134	0.22166	2.30165	7 X
K11B56N	17.4	0.15	K20CH	350.138	60.805	28.806	5.424	0.13913	2.27457	9 X
K11B67W	18.0	0.15	K20CH	358.803	198.785	238.731	2.283	0.30250	2.99457	4 X
K11B76H	17.5	0.15	K20CH	122.617	339.552	310.061	5.806	0.09495	2.36539	8 X
K11B83Q	16.8	0.15	K20CH	358.751	162.417	272.118	6.835	0.28899	3.00042	6 X
K11BB8T	16.3	0.15	K20CH	28.493	287.718	104.178	10.482	0.22091	3.02142	10 X
K11BC0S	16.4	0.15	K20CH	3.349	116.664	304.391	8.875	0.09225	3.06476	7 X
K11BC1J	16.2	0.15	K20CH	7.950	117.562	286.883	3.978	0.14225	3.09942	11 X
K11BC3H	18.0	0.15	K20CH	344.273	97.762	347.658	5.233	0.10238	2.29382	7 X
K11BD5J	16.9	0.15	K20CH	33.853	278.796	110.474	12.481	0.06923	3.03625	8 X
K11BE2K	15.9	0.15	K20CH	30.373	250.625	105.100	18.108	0.32106	3.08270	10 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
K11BJ4P	16.7	0.15	K20CH	10.847	154.439	269.014	8.937	0.12635	3.04463	6 X
K11BJ8W	17.6	0.15	K20CH	0.582	283.358	157.592	9.431	0.07104	3.08055	3 V
K11C28D	15.8	0.15	K20CH	105.614	345.769	303.316	19.004	0.04642	3.16271	10 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
K11C51J	16.5	0.15	K20CH	14.543	51.230	348.793	1.044	0.16420	3.09248	11 X
K11C64G	16.3	0.15	K20CH	91.019	170.311	167.804	10.564	0.03817	3.08175	11 X
K11C70G	15.3	0.15	K20CH	280.036	156.654	352.158	17.134	0.16138	3.10607	9 X
K11C87H	16.5	0.15	K20CH	12.473	254.924	172.274	14.397	0.20200	3.02194	8 X
K11C99Q	16.4	0.15	K20CH	75.282	170.574	174.215	11.293	0.06871	3.15883	11 X
K11CA1S	16.6	0.15	K20CH	20.123	92.731	303.196	7.083	0.16198	3.11922	9 X
K11CA6L	16.8	0.15	K20CH	351.442	104.281	330.652	10.618	0.17530	3.08343	6 X
K11CB1B	16.7	0.15	K20CH	348.346	180.043	270.602	5.266	0.20861	3.05163	8 X
K11CC5B	16.5	0.15	K20CH	235.345	264.540	287.293	8.362	0.05012	3.13198	7 X
K11CD3V	18.7	0.15	K20CH	23.080	90.949	301.388	2.770	0.14235	2.32398	7 X
K11CD4T	18.0	0.15	K20CH	3.523	56.028	238.802	2.921	0.16125	2.54697	5 V
K11CD4U	17.9	0.15	K20CH	114.988	179.695	267.946	3.302	0.04862	2.74729	3 V
K11CD4V	17.7	0.15	K20CH	72.049	74.315	92.336	7.620	0.12313	2.66960	3 V
K11D11Q	16.6	0.15	K20CH	354.276	127.457	296.031	3.425	0.12509	3.09852	11 X
K11D32X	16.0	0.15	K20CH	276.771	2.789	160.318	11.190	0.06921	3.12770	8 X
K11D43L	16.2	0.15	K20CH	300.518	316.298	173.454	11.210	0.02126	3.15126	9 X
K11D44Z	16.6	0.15	K20CH	33.827	33.876	350.701	8.879	0.08174	3.17750	8 X
K11D53S	17.3	0.15	K20CH	358.756	38.948	30.503	6.921	0.18412	2.31952	6 X
K11E00V	17.1	0.15	K20CH	207.682	197.102	33.063	3.744	0.12431	2.32659	12 X
K11E04C	17.6	0.15	K20CH	331.640	57.000	6.332	3.988	0.10944	2.39089	9 X
K11E21L	16.9	0.15	K20CH	330.155	112.571	358.364	8.276	0.26399	3.04475	5 X
K11E37A	15.7	0.15	K20CH	254.063	170.783	3.793	11.347	0.10448	3.21645	12 X
K11E44P	15.9	0.15	K20CH	350.756	296.935	150.717	13.490	0.16634	3.09025	10 X
K11E46V	15.9	0.15	K20CH	156.557	145.624	131.422	16.332	0.02476	3.14894	10 X
K11E55Y	18.0	0.15	K20CH	310.381	80.915	53.642	6.435	0.14057	2.30611	7 X
K11E82X	15.9	0.15	K20CH	303.310	201.571	276.223	15.615	0.09602	3.14141	8 X
K11E94K	16.7	0.15	K20CH	294.867	133.504	0.870	10.335	0.10264	3.16700	6 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
K11F22W	17.6	0.15	K20CH	274.605	18.518	153.664	10.451	0.14604	2.33916	8 X
K11F41M	16.1	0.15	K20CH	11.188	353.247	57.305	16.735	0.07184	3.20892	9 X
K11F57G	16.4	0.15	K20CH	297.103	128.030	3.574	11.415	0.00996	3.25297	8 X
K11F65T	17.7	0.15	K20CH	250.437	310.505	249.217	2.807	0.15663	2.33177	8 X
K11FE4Y	16.5	0.15	K20CH	357.185	121.836	305.076	10.267	0.15275	3.10454	7 X
K11FF2T	18.4	0.15	K20CH	148.962	229.598	42.337	21.811	0.03708	1.94119	6 X
K11G12O	16.7	0.15	K20CH	323.176	96.453	13.073	17.354	0.20327	3.17355	5 X
K11G39T	16.3	0.15	K20CH	350.755	44.252	26.990	11.972	0.10045	3.19488	7 X
K11G86M	16.3	0.15	K20CH	329.637	87.979	10.268	15.820	0.06468	3.18383	9 X
K11G92G	17.9	0.15	K20CH	13.456	2.250	55.793	4.010	0.18810	2.31319	7 X
K11H02V	16.2	0.15	K20CH	335.491	319.914	151.308	12.864	0.17611	3.17165	7 X
K11H81O	17.0	0.15	K20CH	183.821	2.008	249.408	6.072	0.08889	2.39572	11 X
K11J00H	18.3	0.15	K20CH	85.341	273.538	59.750	23.248	0.08659	1.95431	5 X
K11L20W	18.3	0.15	K20CH	345.594	29.183	67.556	22.668	0.08562	1.92632	6 X
K11L29M	16.7	0.15	K20CH	51.751	85.542	262.873	16.333	0.17480	2.52293	7 X
K11M04F	16.8	0.15	K20CH	48.277	80.901	265.176	12.435	0.20337	2.63122	8 X



K11M09Z	16.3	0.15	K20CH	121.525	354.768	288.337	13.094	0.17538	2.56563	12	X
K11M15J	17.7	0.15	K20CH	29.829	74.469	305.378	11.094	0.29459	2.64797	6	X
K11N01V	16.2	0.15	K20CH	126.114	164.479	135.094	15.266	0.09654	2.56304	12	X
K11O03W	18.1	0.15	K20CH	63.012	28.114	305.905	4.848	0.30812	2.62741	3	X
K11O10H	17.2	0.15	K20CH	57.438	7.296	314.148	12.457	0.28999	2.64187	6	X
K11O10T	16.5	0.15	K20CH	81.988	55.352	280.138	9.859	0.07313	2.55475	10	X
K11O15U	17.2	0.15	K20CH	80.720	68.275	256.194	12.730	0.21448	2.59324	5	X
K11O27G	17.0	0.15	K20CH	38.945	264.663	106.092	12.280	0.21670	2.60326	9	X
K11O27P	16.9	0.15	K20CH	20.699	38.131	357.841	7.627	0.13265	2.56899	6	X
K11O43K	17.6	0.15	K20CH	22.719	63.094	310.633	12.372	0.33466	2.66162	4	X
K11O56X	16.4	0.15	K20CH	275.832	163.169	333.978	17.401	0.04573	2.57858	11	X
K11O62C	17.2	0.15	K20CH	260.298	186.852	338.359	13.272	0.09349	2.53433	8	X
K11O71F	16.4	0.15	K20CH	116.639	248.469	40.675	14.627	0.21455	2.56562	9	X
K11P04V	17.3	0.15	K20CH	50.299	42.648	305.781	11.749	0.27119	2.63642	5	X
K11Q09C	17.7	0.15	K20CH	54.894	204.693	167.465	13.822	0.15975	2.60982	7	X
K11Q13C	17.0	0.15	K20CH	61.591	30.408	300.147	12.879	0.26645	2.64683	6	X
K11Q13G	16.8	0.15	K20CH	66.859	19.602	310.935	13.215	0.25745	2.63615	5	X
K11Q34W	16.8	0.15	K20CH	66.267	67.276	270.202	11.488	0.18726	2.64378	8	X
K11Q39A	17.5	0.15	K20CH	23.139	138.721	256.765	10.521	0.18896	2.64302	5	X
K11Q68A	16.5	0.15	K20CH	158.661	32.495	232.648	6.061	0.21399	2.54886	11	X
K11Q70Z	17.6	0.15	K20CH	28.544	106.865	263.578	6.024	0.25256	2.68321	5	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	63.048	348.476	342.713	12.748	0.17428	2.64974	5	X
K11Q98G	17.1	0.15	K20CH	48.569	85.748	281.291	13.335	0.13634	2.63295	6	X
K11QB2W	17.4	0.15	K20CH	39.155	229.465	141.435	14.362	0.27623	2.64542	6	X
K11R15T	18.4	0.15	K20CH	19.246	78.902	316.858	11.210	0.27213	2.65809	3	X
K11R17T	18.2	0.15	K20CH	10.794	237.867	190.041	12.953	0.25126	2.64250	3	X
K11S09E	17.3	0.15	K20CH	31.236	10.596	359.058	4.748	0.28367	2.68589	4	X
K11S20L	17.4	0.15	K20CH	10.874	110.092	292.365	11.292	0.27364	2.69607	7	X
K11S24R	16.8	0.15	K20CH	15.506	135.258	260.675	12.180	0.26123	2.68747	8	X
K11S28A	16.9	0.15	K20CH	19.534	91.719	294.284	11.360	0.28089	2.68389	7	X
K11S62S	17.0	0.15	K20CH	71.959	65.682	244.046	11.993	0.27125	2.65519	6	X
K11S66D	17.5	0.15	K20CH	19.568	41.924	346.901	3.552	0.27619	2.68860	3	X
K11S70A	17.1	0.15	K20CH	244.631	124.268	68.556	12.303	0.11504	2.64163	8	X
K11S84V	17.6	0.15	K20CH	17.113	5.959	39.546	8.655	0.20139	2.69418	4	X
K11S91Q	16.9	0.15	K20CH	80.133	329.646	346.235	3.988	0.20623	2.69453	6	X
K11S920	17.2	0.15	K20CH	79.654	292.808	21.921	14.351	0.23195	2.69328	6	X
K11SA3G	16.3	0.15	K20CH	10.662	195.459	219.930	13.328	0.23494	2.68901	10	X
K11SA3N	16.4	0.15	K20CH	49.892	335.001	18.557	14.128	0.18977	2.67177	6	X
K11SA5Y	17.0	0.15	K20CH	286.763	236.727	266.952	10.461	0.04250	2.61929	9	X
K11SA6Y	16.5	0.15	K20CH	48.676	326.519	23.958	13.637	0.18964	2.68830	7	X
K11SB3A	16.2	0.15	K20CH	128.543	25.632	253.526	14.064	0.10959	2.62453	9	X
K11SB3U	16.7	0.15	K20CH	29.620	315.913	61.037	9.687	0.29765	2.67665	10	X
K11SC3F	18.1	0.15	K20CH	4.028	228.660	201.396	10.219	0.32259	2.70113	3	X
K11SC6U	17.1	0.15	K20CH	39.795	282.403	19.939	19.193	0.35272	2.76620	3	X
K11SC6X	16.4	0.15	K20CH	6.277	229.619	185.616	13.348	0.25538	2.69621	8	X
K11SC8M	17.2	0.15	K20CH	67.069	146.856	200.736	15.375	0.18988	2.67201	7	X
K11SG1S	17.8	0.15	K20CH	0.740	120.470	307.564	3.933	0.15780	2.66626	7	X
K11SI1Z	17.2	0.15	K20CH	36.844	140.731	241.085	4.463	0.08035	2.68302	9	X
K11SN2J	16.3	0.15	K20CH	101.585	15.223	281.530	13.117	0.23952	2.66310	8	X
K11SP4C	17.1	0.15	K20CH	47.754	355.108	359.962	4.863	0.12352	2.71433	9	X
K11SQ1C	17.3	0.15	K20CH	26.748	1.703	31.309	7.527	0.10366	2.69296	5	X
K11SR0D	17.9	0.15	K20CH	4.621	59.753	359.819	6.151	0.15784	2.65533	7	X
K11SR1A	18.2	0.15	K20CH	10.378	26.212	20.814	13.850	0.23814	2.68663	2	X
K11SR3D	17.2	0.15	K20CH	79.289	170.628	156.996	14.520	0.25697	2.63432	6	X
K11SR8Y	17.3	0.15	K20CH	346.227	248.926	201.622	16.505	0.16161	2.67556	4	X
K11SR9A	18.0	0.15	K20CH	31.619	23.391	353.542	12.023	0.20465	2.66615	5	X
K11ST1G	18.3	0.15	K20CH	13.797	14.909	28.180	4.730	0.18707	2.68165	3	X
K11ST1T	17.0	0.15	K20CH	353.841	199.171	198.034	20.380	0.25686	2.71872	6	X
K11ST4R	18.4	0.15	K20CH	6.820	20.027	34.957	4.030	0.22783	2.67251	3	X
K11SW3T	16.9	0.15	K20CH	306.684	276.782	48.172	18.001	0.07915	3.05712	3	V
K11SW3U	16.7	0.15	K20CH	7.320	43.068	166.746	11.685	0.02858	3.18476	3	V
K11T15E	17.1	0.15	K20CH	344.251	55.859	25.956	13.422	0.19024	2.73901	7	X
K11T17F	17.6	0.15	K20CH	65.111	294.664	33.707	13.413	0.27429	2.66314	4	X
K11U13T	17.2	0.15	K20CH	57.862	96.961	243.496	10.147	0.20205	2.69849	5	X
K11U14J	16.4	0.15	K20CH	211.040	334.818	247.707	9.141	0.06834	2.64840	11	X
K11U27Q	17.5	0.15	K20CH	34.060	332.652	49.062	12.815	0.14813	2.70416	4	X
K11U27S	16.8	0.15	K20CH	79.170	269.303	47.903	14.540	0.21747	2.70815	5	X
K11U30S	17.0	0.15	K20CH	24.046	339.449	53.145	6.277	0.12301	2.72358	11	X
K11U35U	17.5	0.15	K20CH	53.614	294.407	55.717	18.027	0.17044	2.73202	5	X
K11U46F	16.4	0.15	K20CH	70.228	61.704	254.968	11.694	0.27029	2.69785	8	X
K11U50K	17.5	0.15	K20CH	31.578	174.843	212.099	13.249	0.24212	2.69895	4	X
K11U74D	16.8	0.15	K20CH	26.278	339.694	50.408	9.099	0.22145	2.69641	11	X
K11U82E	17.3	0.15	K20CH	32.233	149.387	247.861	10.216	0.07115	2.69807	6	X
K11U890	17.0	0.15	K20CH	41.623	339.844	26.524	4.607	0.19220	2.73085	10	X
K11U95P	17.0	0.15	K20CH	71.438	295.314	32.796	7.573	0.21967	2.68161	8	X
K11U99J	18.0	0.15	K20CH	358.213	37.078	29.224	9.673	0.23430	2.72058	4	X
K11U99W	17.6	0.15	K20CH	22.316	165.627	236.987	3.875	0.17186	2.69898	5	X
K11U99Y	17.8	0.15	K20CH	20.639	357.330	34.943	6.452	0.16420	2.72296	3	X
K11UA4E	16.9	0.15	K20CH	350.804	196.730	240.370	11.625	0.10527	2.70593	7	X
K11UA4G	16.3	0.15	K20CH	32.568	223.835	230.746	29.577	0.40747	3.99633	3	X
K11UA5H	17.9	0.15	K20CH	8.295	30.944	22.268	2.884	0.30385	2.72759	6	X
K11UB9Q	18.0	0.15	K20CH	14.759	346.176	60.177	8.557	0.27849	2.71297	4	X
K11UD0R	16.2	0.15	K20CH	319.080	188.983	281.897	16.694	0.03144	2.66983	8	X
K11UD0X	17.0	0.15	K20CH	65.865	151.342	201.660	14.344	0.10842	2.71285	6	X
K11UD1K	18.0	0.15	K20CH	14.559	48.231	359.098	13.811	0.18976	2.65530	3	X
K11UD2L	17.6	0.15	K20CH	63.853	61.631	298.086	4.893	0.08468	2.69100	6	X
K11UD9U	16.7	0.15	K20CH	14.634	353.496	43.414	12.836	0.14991	2.71459	7	X
K11UE0L	17.2	0.15	K20CH	64.362	93.413	249.179	10.676	0.13508	2.72805	5	X
K11UE4E	17.6	0.15	K20CH	37.042	89.249	264.575	8.392	0.28685	2.74323	4	X
K11UE6T	16.4	0.15	K20CH	91.593	64.553	247.885	11.077	0.14876	2.75605	9	X
K11UF1Y	18.4	0.15	K20CH	20.332	102.880	253.833	28.956	0.41057	2.73827	3	X
K11UF8M	17.1	0.15	K20CH	82.322	153.277	176.656	12.807	0.13952	2.69236	7	X

K11UG3R	17.8	0.15	K20CH	20.552	353.198	39.731	10.333	0.22684	2.73026	4 X
K11UH4H	16.5	0.15	K20CH	59.822	275.568	73.637	18.157	0.19876	2.71683	9 X
K11UH6L	17.4	0.15	K20CH	46.834	78.966	283.445	3.046	0.12708	2.71985	7 X
K11UK5M	16.4	0.15	K20CH	40.267	102.290	283.157	5.247	0.03319	2.69621	12 X
K11UM2C	16.6	0.15	K20CH	300.882	97.068	33.435	11.974	0.14354	2.68703	10 X
K11UN8K	17.8	0.15	K20CH	70.575	301.818	34.690	7.694	0.15812	2.71731	4 X
K11UOOT	17.2	0.15	K20CH	13.400	7.234	49.964	14.041	0.18051	2.70481	4 X
K11UP5B	17.0	0.15	K20CH	74.315	286.271	28.935	12.829	0.27227	2.69157	7 X
K11UP8U	17.9	0.15	K20CH	51.861	66.203	286.613	4.006	0.16960	2.72497	3 X
K11UQ1M	17.8	0.15	K20CH	7.548	174.995	245.114	12.827	0.19363	2.72021	4 X
K11UQ3U	17.2	0.15	K20CH	46.517	309.315	53.190	14.300	0.27715	2.68867	4 X
K11UR6J	16.6	0.15	K20CH	279.208	255.017	263.098	8.051	0.12013	2.72703	9 X
K11UR8W	17.2	0.15	K20CH	355.550	19.790	47.746	10.048	0.12452	2.74479	6 X
K11UR9M	17.7	0.15	K20CH	28.760	134.693	245.246	9.062	0.19891	2.74476	4 X
K11UT7J	17.1	0.15	K20CH	35.444	329.301	54.535	5.558	0.07388	2.69968	10 X
K11UT8M	17.1	0.15	K20CH	313.911	235.764	249.226	10.837	0.12617	2.70724	8 X
K11UU4E	16.7	0.15	K20CH	320.538	235.053	253.335	14.219	0.11959	2.66452	9 X
K11UY3U	17.4	0.15	K20CH	28.365	285.223	92.103	13.890	0.30499	2.71269	6 X
K11Ua0Z	17.5	0.15	K20CH	27.726	66.804	320.549	4.444	0.16815	2.71692	5 X
K11Ua1R	16.8	0.15	K20CH	297.986	261.025	237.792	11.714	0.11844	2.73772	8 X
K11Ua2Q	17.3	0.15	K20CH	359.611	37.162	25.245	4.280	0.06256	2.70022	6 X
K11Ub9P	17.9	0.15	K20CH	28.632	193.789	189.126	13.840	0.25426	2.72146	2 X
K11Uc3M	17.0	0.15	K20CH	18.304	89.955	318.137	4.600	0.07341	2.70599	12 X
K11Uc9A	16.8	0.15	K20CH	330.293	193.983	278.327	11.267	0.12684	2.68143	7 X
K11Ud7V	17.3	0.15	K20CH	356.496	272.004	160.782	10.327	0.09333	2.66708	7 X
K11Ud8R	16.9	0.15	K20CH	336.842	94.339	349.122	12.928	0.08237	2.71595	8 X
K11Ue5L	18.4	0.15	K20CH	14.669	352.841	52.566	10.320	0.28291	2.69048	3 X
K11Ue5Q	17.3	0.15	K20CH	12.077	106.827	300.747	10.432	0.18534	2.69880	5 X
K11Uf5V	17.6	0.15	K20CH	2.054	167.611	264.584	3.774	0.11985	2.70451	6 X
K11Uf6A	17.3	0.15	K20CH	349.792	181.927	246.674	11.322	0.08027	2.72807	5 X
K11Ug1L	17.7	0.15	K20CH	349.618	155.577	294.429	6.908	0.24360	2.67497	5 X
K11Ug9M	18.1	0.15	K20CH	4.743	2.299	53.940	9.568	0.21122	2.70110	3 X
K11Uh2D	17.8	0.15	K20CH	326.300	203.130	269.548	7.109	0.16649	2.73227	3 X
K11Uk1Q	18.0	0.15	K20CH	13.397	358.378	36.904	10.797	0.21765	2.73942	2 X
K11Uk2P	17.8	0.15	K20CH	350.084	47.189	27.066	14.102	0.17443	2.71947	3 X
K11Uk3H	16.4	0.15	K20CH	239.044	305.547	83.152	22.855	0.07859	3.21267	4 V
K11Uk3J	18.5	0.15	K20CH	112.306	285.583	188.594	7.709	0.05446	2.35999	3 V
K11Uk3K	18.3	0.15	K20CH	47.143	64.254	32.438	9.478	0.15309	2.52531	3 V
K11V11P	17.4	0.15	K20CH	20.010	155.220	245.280	5.939	0.19100	2.72855	4 X
K11V16D	17.0	0.15	K20CH	106.624	251.509	47.826	13.698	0.10822	2.70897	7 X
K11V30A	17.3	0.15	K20CH	26.535	133.101	252.906	14.733	0.19568	2.71014	5 X
K11W01B	17.1	0.15	K20CH	31.479	313.776	64.078	10.980	0.33206	2.72427	7 X
K11W02L	20.8	0.15	K20CH	122.371	88.837	212.925	14.131	0.28342	1.07769	6 X
K11W13Z	16.6	0.15	K20CH	322.615	214.444	246.760	7.993	0.07111	2.72877	8 X
K11W23E	17.4	0.15	K20CH	329.915	226.376	240.394	4.457	0.01240	2.71314	9 X
K11W23U	17.3	0.15	K20CH	329.092	38.153	64.440	5.094	0.08604	2.73426	7 X
K11W27A	16.8	0.15	K20CH	9.394	353.306	52.531	17.256	0.26535	2.72154	6 X
K11W28G	17.0	0.15	K20CH	184.161	350.593	257.820	8.718	0.06168	2.69609	5 X
K11W33F	17.8	0.15	K20CH	59.631	276.272	66.305	13.143	0.28341	2.70066	4 X
K11W38H	16.5	0.15	K20CH	282.374	251.431	246.464	12.823	0.02317	2.76173	8 X
K11W42K	17.6	0.15	K20CH	22.438	13.923	25.239	4.476	0.21127	2.73746	5 X
K11W42Q	17.0	0.15	K20CH	25.412	105.635	275.006	6.351	0.30165	2.74000	7 X
K11W55K	18.1	0.15	K20CH	356.219	6.357	68.628	4.474	0.21506	2.70148	5 X
K11W57F	17.8	0.15	K20CH	21.852	300.134	99.515	3.322	0.19408	2.72333	4 X
K11W62D	17.1	0.15	K20CH	52.077	282.380	83.039	9.820	0.20434	2.71145	6 X
K11W64T	16.6	0.15	K20CH	35.139	106.835	261.126	15.660	0.14857	2.77641	9 X
K11W71R	17.9	0.15	K20CH	12.179	353.621	58.057	5.522	0.19754	2.72580	4 X
K11W73L	16.9	0.15	K20CH	349.295	135.003	293.791	5.102	0.02626	2.77754	13 X
K11W79B	17.8	0.15	K20CH	58.672	90.551	250.281	12.093	0.31527	2.70438	4 X
K11WA9A	16.7	0.15	K20CH	349.532	21.922	64.473	13.648	0.08437	2.70464	9 X
K11WB2U	17.7	0.15	K20CH	21.334	137.552	261.489	12.758	0.20367	2.72854	4 X
K11WB8J	17.1	0.15	K20CH	33.343	21.725	7.212	4.440	0.06794	2.71255	11 X
K11WC8U	17.4	0.15	K20CH	12.129	358.677	62.482	5.639	0.10187	2.71205	6 X
K11WD2B	16.7	0.15	K20CH	343.696	43.627	46.514	12.984	0.12949	2.73741	7 X
K11WD8U	16.6	0.15	K20CH	186.638	11.485	236.166	4.271	0.00540	2.70901	10 X
K11WE2R	16.6	0.15	K20CH	329.074	197.267	274.239	10.490	0.05378	2.73539	7 X
K11WG5X	16.7	0.15	K20CH	40.750	348.110	28.887	26.409	0.11342	2.71842	4 X
K11WHOY	16.8	0.15	K20CH	75.507	76.492	263.650	12.047	0.13306	2.76262	6 X
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	6 X
K11Y13D	17.2	0.15	K20CH	26.001	135.821	250.585	8.763	0.29812	2.73693	5 X
K11Y42Z	16.8	0.15	K20CH	47.764	42.820	327.612	3.984	0.11610	2.78979	10 X
K11Y47H	16.4	0.15	K20CH	293.459	249.481	260.292	5.081	0.06618	2.81397	9 X
K11Y73Y	17.6	0.15	K20CH	346.807	327.226	128.156	10.318	0.20478	2.79334	7 X
K11Y83X	17.1	0.15	K20CH	343.120	163.366	299.676	7.424	0.17882	2.74340	3 X
K12A26B	13.5	0.15	K20CH	336.697	136.837	277.638	26.625	0.02185	5.18576	6 X
K12B31M	17.4	0.15	K20CH	4.595	83.427	337.200	6.816	0.22060	2.80307	5 X
K12B58E	16.3	0.15	K20CH	76.951	17.939	316.407	8.961	0.06390	2.87451	10 X
K12BF3D	16.6	0.15	K20CH	79.084	13.341	308.221	7.620	0.12924	2.89062	10 X
K12BH9O	17.6	0.15	K20CH	348.189	256.178	350.327	12.387	0.14575	2.60000	3 V
K12C06J	16.2	0.15	K20CH	134.723	274.497	6.201	11.996	0.02452	2.94147	7 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
K12F09T	17.1	0.15	K20CH	319.936	306.106	185.300	15.036	0.09763	2.86993	6 X
K12F56B	16.3	0.15	K20CH	23.970	356.531	43.499	11.028	0.09743	2.99645	8 X
K12F59P	16.1	0.15	K20CH	212.444	188.018	26.048	8.932	0.03560	2.99087	11 X
K12F93K	16.1	0.15	K20CH	139.582	217.632	56.468	13.377	0.12396	3.13669	6 X
K12G15M	15.7	0.15	K20CH	87.126	303.690	21.637	17.785	0.12502	3.16057	10 X
K12G23E	15.3	0.15	K20CH	172.242	223.414	13.554	13.889	0.12803	3.14513	12 X
K12G27H	15.0	0.15	K20CH	183.061	30.228	217.652	26.892	0.10409	3.11511	12 X
K12G36K	17.5	0.15	K20CH	246.784	275.612	264.384	4.054	0.11469	2.22421	10 X
K12G42Q	16.5	0.15	K20CH	288.759	217.793	273.114	9.808	0.05356	3.04294	6 X
K12G45Q	16.5	0.15	K20CH	311.515	251.726	236.357	10.048	0.10000	3.00943	6 X

K12G50F	16.2	0.15	K20CH	132.560	247.494	26.716	13.804	0.09686	3.17464	8 X
K12H04R	15.7	0.15	K20CH	330.756	301.297	163.749	12.411	0.10040	2.98927	12 X
K12H07Z	16.3	0.15	K20CH	283.369	347.775	168.752	10.482	0.10538	3.05129	9 X
K12H11A	16.4	0.15	K20CH	240.064	145.696	47.313	12.646	0.04493	3.02988	8 X
K12H14T	16.1	0.15	K20CH	250.105	130.910	59.818	14.211	0.08046	2.98412	9 X
K12H45N	15.7	0.15	K20CH	94.379	264.036	61.225	9.277	0.07510	3.17016	9 X
K12H78X	17.2	0.15	K20CH	131.559	233.152	36.049	5.891	0.21275	2.31916	12 X
K12H90U	16.5	0.15	K20CH	85.035	277.638	54.764	18.474	0.11873	3.17266	7 X
K12H93S	16.3	0.15	K20CH	148.658	21.625	248.135	10.486	0.10655	3.13314	8 X
K12H94D	16.5	0.15	K20CH	62.686	101.264	262.431	10.251	0.04899	3.06747	6 X
K12H97X	17.0	0.15	K20CH	270.478	109.850	49.220	10.927	0.08175	3.06644	5 X
K12HA3D	16.7	0.15	K20CH	335.352	41.644	52.170	28.167	0.13282	3.05718	4 X
K12J04L	19.0	0.15	K20CH	60.827	302.026	58.305	23.780	0.06364	1.81629	3 X
K12J12K	15.8	0.15	K20CH	196.080	347.944	242.185	26.174	0.09569	3.16361	8 X
K12J13A	16.0	0.15	K20CH	243.744	128.524	62.586	13.108	0.12327	3.07354	10 X
K12J20P	16.2	0.15	K20CH	267.743	299.747	238.511	9.696	0.17168	3.03662	7 X
K12J28W	16.2	0.15	K20CH	135.045	239.298	45.238	16.492	0.06238	3.18616	6 X
K12J71B	16.6	0.15	K20CH	293.828	82.010	58.192	9.822	0.06376	3.06978	8 X
K12J71H	18.4	0.15	K20CH	21.481	145.275	115.117	13.578	0.21205	2.55571	3 V
K12K07B	18.9	0.15	K20CH	75.965	100.514	247.950	19.462	0.11517	1.82421	5 X
K12K09T	16.1	0.15	K20CH	236.596	49.675	142.642	12.402	0.04541	3.15524	9 X
K12K33A	16.3	0.15	K20CH	344.192	25.770	64.126	11.410	0.07281	3.07080	8 X
K12K42K	16.3	0.15	K20CH	276.915	103.442	61.623	16.817	0.16723	3.03978	7 X
K12K42O	15.5	0.15	K20CH	355.806	340.863	96.530	24.306	0.07463	3.11729	10 X
K12L04A	18.7	0.15	K20CH	70.079	242.330	115.628	23.251	0.11269	1.83289	5 X
K12P49C	18.3	0.15	K20CH	41.743	27.624	340.419	2.676	0.17988	2.44451	3 X
K12Q38A	17.7	0.15	K20CH	39.281	8.565	4.538	6.149	0.14637	2.45372	3 X
K12Q48Z	17.7	0.15	K20CH	22.756	204.499	196.851	8.608	0.18845	2.44188	7 X
K12Q52B	17.4	0.15	K20CH	9.753	65.864	352.986	4.671	0.13885	2.43245	6 X
K12Q55V	17.9	0.15	K20CH	53.063	129.783	234.983	5.475	0.12699	2.43949	4 X
K12R20S	16.9	0.15	K20CH	156.556	358.767	264.822	6.133	0.09504	2.39005	12 X
K12R44S	17.5	0.15	K20CH	48.965	325.003	23.382	10.009	0.20986	2.46421	6 X
K12R48C	18.7	0.15	K20CH	11.622	27.068	19.035	21.751	0.09464	1.89770	6 X
K12S13F	17.9	0.15	K20CH	10.345	12.461	33.117	3.119	0.24356	2.49147	6 X
K12S29D	18.2	0.15	K20CH	63.113	27.014	328.942	1.446	0.14470	2.43418	4 X
K12S49A	18.3	0.15	K20CH	24.408	355.439	39.037	1.659	0.18599	2.46663	5 X
K12S49J	18.4	0.15	K20CH	39.213	347.230	21.488	4.483	0.19288	2.47382	5 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
K12S75C	16.9	0.15	K20CH	18.732	332.031	71.678	14.290	0.30013	2.58333	4 X
K12T07H	17.6	0.15	K20CH	332.182	219.437	253.439	6.579	0.13265	2.38379	8 X
K12T30M	18.6	0.15	K20CH	15.637	13.743	30.387	1.927	0.23300	2.48412	5 X
K12T51S	18.6	0.15	K20CH	323.302	68.780	43.448	21.872	0.10291	1.89897	6 X
K12TG5Y	17.7	0.15	K20CH	36.609	328.527	49.774	8.954	0.17360	2.48413	5 X
K12TI1P	18.9	0.15	K20CH	13.917	28.867	11.740	21.816	0.08112	1.91416	5 X
K12TO6E	17.8	0.15	K20CH	57.222	280.115	68.152	3.473	0.21543	2.45797	6 X
K12TS0B	18.0	0.15	K20CH	144.232	254.571	14.778	20.540	0.06535	1.90972	8 X
K12TU1V	17.5	0.15	K20CH	37.245	303.708	86.550	5.657	0.14230	2.45894	8 X
K12TV0M	15.4	0.15	K20CH	350.862	178.975	254.015	10.668	0.24420	3.97228	6 X
K12TV9W	18.6	0.15	K20CH	20.543	154.984	247.263	19.592	0.07014	1.91736	5 X
K12TW0T	17.4	0.15	K20CH	61.071	72.280	280.025	11.377	0.22842	2.46528	6 X
K12TW4O	19.0	0.15	K20CH	7.037	11.735	48.120	22.749	0.07660	1.90742	3 X
K12TZ5K	17.5	0.15	K20CH	348.080	5.929	86.785	7.693	0.07073	2.46007	8 X
K12TZ9D	18.9	0.15	K20CH	0.902	138.912	296.333	3.806	0.20994	2.46353	3 X
K12U34G	18.0	0.15	K20CH	123.717	245.549	56.008	22.843	0.05804	1.89928	7 X
K12U68J	18.3	0.15	K20CH	239.557	262.490	279.782	18.732	0.08045	1.91588	5 X
K12U83T	16.8	0.15	K20CH	128.388	263.814	7.651	6.986	0.17407	2.54497	6 X
K12UB1T	18.8	0.15	K20CH	38.115	336.890	42.648	21.700	0.09151	1.92116	3 X
K12UD0X	15.7	0.15	K20CH	351.761	23.787	55.706	10.968	0.28611	3.93612	5 X
K12UE6P	16.1	0.15	K20CH	357.853	186.383	239.350	8.517	0.33684	3.96929	2 X
K12UG1B	16.8	0.15	K20CH	340.128	207.977	246.887	10.832	0.18076	2.50302	9 X
K12UJ0S	17.9	0.15	K20CH	25.035	347.018	350.079	5.626	0.30768	2.59028	4 X
K12UJ3J	17.3	0.15	K20CH	9.380	58.945	352.819	8.492	0.22520	2.52316	4 X
K12UK1X	15.8	0.15	K20CH	9.198	21.691	25.770	14.994	0.17644	3.95614	6 X
K12UM1A	16.0	0.15	K20CH	0.426	63.155	4.443	11.483	0.28110	3.95630	3 X
K12V09F	16.5	0.15	K20CH	27.711	161.969	189.338	13.802	0.09794	2.57820	12 X
K12V32M	15.9	0.15	K20CH	8.196	329.096	91.246	7.002	0.23082	3.96188	5 X
K12V38B	17.0	0.15	K20CH	47.338	95.302	265.547	13.403	0.09083	2.51904	4 X
K12V43L	17.5	0.15	K20CH	60.004	282.845	70.738	6.101	0.19234	2.52130	7 X
K12V86C	16.4	0.15	K20CH	11.252	61.820	350.796	2.725	0.22040	3.91685	6 X
K12VA5D	18.3	0.15	K20CH	308.551	85.858	47.229	20.369	0.10749	1.91280	5 X
K12VC2C	15.4	0.15	K20CH	11.561	337.192	82.848	9.589	0.15123	3.95672	6 X
K12VC8M	16.6	0.15	K20CH	53.416	50.812	287.420	12.796	0.21383	2.55439	6 X
K12W03T	18.3	0.15	K20CH	300.862	244.603	254.382	18.183	0.08185	1.91780	6 X
K12W05A	15.5	0.15	K20CH	5.225	30.950	33.800	3.980	0.11617	3.96280	11 X
K12W10E	15.9	0.15	K20CH	5.043	160.700	267.776	9.383	0.29885	3.96163	5 X
K12W10O	18.2	0.15	K20CH	334.168	245.081	209.344	28.671	0.40456	2.56707	3 X
K12W22A	16.3	0.15	K20CH	2.125	27.546	45.097	7.512	0.28426	3.97996	6 X
K12W24W	17.1	0.15	K20CH	15.290	345.549	46.972	6.338	0.27571	2.59533	3 X
K12W26R	18.1	0.15	K20CH	33.243	336.857	34.258	7.775	0.23373	2.53722	3 X
K12W29H	17.1	0.15	K20CH	19.152	330.623	67.449	2.852	0.18090	2.54616	8 X
K12W34R	16.5	0.15	K20CH	115.631	227.906	88.089	10.092	0.07303	2.52205	12 X
K12W39Y	17.0	0.15	K20CH	46.361	108.706	251.843	11.746	0.28957	2.58470	5 X
K12W41V	18.1	0.15	K20CH	5.420	17.519	42.579	10.728	0.25438	2.53305	3 X
K12X05U	16.3	0.15	K20CH	339.984	201.628	240.005	30.906	0.06014	2.55097	5 X
K12X07J	18.8	0.15	K20CH	352.272	188.865	243.892	19.123	0.08344	1.92739	5 X
K12X23C	17.8	0.15	K20CH	33.428	354.613	27.554	2.698	0.17158	2.52983	5 X
K12X26O	16.6	0.15	K20CH	142.127	12.156	255.037	10.529	0.15206	2.57474	9 X
K12X42H	18.4	0.15	K20CH	28.388	134.756	254.021	15.922	0.14235	2.54090	3 X
K12X43K	17.3	0.15	K20CH	87.447	346.524	346.284	0.816	0.11806	2.53815	9 X
K12X47Z	16.9	0.15	K20CH	346.040	138.451	290.157	16.154	0.13395	2.60374	6 X
K12X49D	16.9	0.15	K20CH	77.328	194.205	147.957	9.925	0.07476	2.54091	10 X
K12X52S	17.2	0.15	K20CH	23.781	114.259	278.789	7.686	0.16859	2.58227	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
K12X59B	19.2	0.15	K20CH	355.544	22.523	65.774	15.400	0.31061	2.50319	3 X
K12X99Q	17.7	0.15	K20CH	32.094	359.563	19.542	4.246	0.16526	2.54485	4 X
K12XA6Y	16.8	0.15	K20CH	33.896	127.474	256.831	10.924	0.06821	2.59732	6 X
K12XB1X	18.2	0.15	K20CH	12.211	131.792	259.699	28.444	0.37902	2.55375	3 X
K12XB3R	18.5	0.15	K20CH	42.358	318.223	55.620	22.268	0.10013	1.91786	5 X
K12XB8N	17.3	0.15	K20CH	19.787	76.430	324.444	5.117	0.16652	2.57133	11 X
K12XB9V	17.4	0.15	K20CH	24.726	359.363	41.043	4.854	0.21413	2.56837	8 X
K12XC1D	15.9	0.15	K20CH	102.412	131.395	186.073	11.988	0.12848	2.52225	13 X
K12XC5Y	16.5	0.15	K20CH	11.376	188.187	226.435	12.835	0.19073	2.55385	10 X
K12XC9Y	17.8	0.15	K20CH	73.700	288.043	19.703	5.199	0.32520	2.56930	6 X
K12XD0R	16.7	0.15	K20CH	17.231	263.167	135.614	14.933	0.22907	2.54743	8 X
K12XD1E	16.7	0.15	K20CH	66.688	127.563	223.609	5.807	0.17186	2.52942	8 X
K12XD6Y	18.6	0.15	K20CH	12.011	2.911	46.517	3.172	0.27665	2.53078	4 X
K12XE0E	16.0	0.15	K20CH	16.004	178.190	233.079	6.583	0.21202	3.96248	6 X
K12XF6P	16.3	0.15	K20CH	335.942	205.672	244.413	12.141	0.14061	2.57311	13 X
K12XF7F	17.3	0.15	K20CH	341.288	13.712	91.810	15.977	0.25008	2.55445	7 X
K12XG1U	17.5	0.15	K20CH	343.244	202.297	241.726	9.275	0.08731	2.55189	3 X
K12XG2X	17.9	0.15	K20CH	359.148	179.283	241.317	13.102	0.14489	2.55493	3 X
K12XG4V	17.5	0.15	K20CH	28.008	54.120	313.337	11.647	0.33143	2.55378	3 X
K12XG4Y	17.5	0.15	K20CH	299.942	227.226	249.687	31.676	0.08044	2.58930	3 X
K12XH2N	17.5	0.15	K20CH	44.083	79.154	278.053	13.205	0.19786	2.56936	6 X
K12XH2R	17.7	0.15	K20CH	345.080	20.923	62.689	4.812	0.18352	2.58631	8 V
K12Y03A	18.2	0.15	K20CH	346.387	223.011	229.631	31.473	0.34800	2.53965	3 X
K12Y08Z	17.2	0.15	K20CH	39.779	91.977	287.375	10.284	0.19421	2.53527	4 X
K12Y10P	17.6	0.15	K20CH	310.894	48.274	82.038	2.690	0.15301	2.59597	8 X
K12Y20A	17.0	0.15	K20CH	279.009	288.585	60.480	11.307	0.07353	3.08539	3 V
K13A00A	17.8	0.15	K20CH	197.834	313.361	284.403	16.130	0.06845	1.95334	8 X
K13A06Q	17.8	0.15	K20CH	12.554	30.375	29.659	1.035	0.19342	2.53103	3 X
K13A10D	17.3	0.15	K20CH	63.920	42.526	295.119	4.309	0.22566	2.56225	8 X
K13A11T	17.8	0.15	K20CH	22.818	129.770	263.929	3.516	0.23979	2.57520	4 X
K13A21H	16.7	0.15	K20CH	311.469	28.697	101.249	12.857	0.13047	2.60570	9 X
K13A24Z	16.9	0.15	K20CH	60.544	268.037	89.224	3.971	0.16742	2.53853	7 X
K13A28F	16.7	0.15	K20CH	298.102	199.503	309.870	10.717	0.11499	2.62637	5 X
K13A29E	17.7	0.15	K20CH	340.563	124.563	327.014	8.214	0.12959	2.57727	6 X
K13A31M	17.7	0.15	K20CH	323.456	63.213	62.291	5.882	0.20257	2.56946	7 X
K13A37D	17.0	0.15	K20CH	353.089	108.128	300.239	29.094	0.27109	2.62181	5 X
K13A43X	18.3	0.15	K20CH	346.830	29.930	62.731	4.732	0.24033	2.58645	7 X
K13A61A	17.9	0.15	K20CH	6.889	152.331	257.326	4.332	0.26973	2.57469	4 X
K13A66Q	17.6	0.15	K20CH	319.036	99.624	31.873	3.034	0.18731	2.53694	7 X
K13A67J	16.8	0.15	K20CH	84.232	276.915	48.157	3.794	0.19455	2.54589	9 X
K13A69U	17.7	0.15	K20CH	318.204	67.154	64.701	10.292	0.15092	2.57330	5 X
K13A70G	17.2	0.15	K20CH	315.187	158.291	307.915	7.571	0.04910	2.66549	8 X
K13A70P	16.5	0.15	K20CH	111.353	357.908	309.033	10.909	0.04597	2.67768	9 X
K13A71A	18.3	0.15	K20CH	349.750	132.110	310.903	0.776	0.24585	2.58569	5 X
K13A72C	17.1	0.15	K20CH	6.283	24.266	32.571	9.148	0.18153	2.58008	7 X
K13A75E	17.4	0.15	K20CH	342.440	117.021	334.684	12.733	0.15196	2.59005	7 X
K13A75H	17.3	0.15	K20CH	22.275	334.730	74.278	13.263	0.16501	2.57238	5 X
K13A77G	17.4	0.15	K20CH	1.417	0.792	65.741	8.594	0.34347	2.56862	4 X
K13A79G	17.1	0.15	K20CH	87.631	14.629	299.798	5.403	0.13766	2.69403	8 X
K13A79H	17.0	0.15	K20CH	43.951	69.276	299.991	10.721	0.20830	2.61123	7 X
K13A85C	18.1	0.15	K20CH	43.795	303.280	70.564	2.660	0.20259	2.58269	5 X
K13A89V	17.8	0.15	K20CH	337.589	44.411	64.838	6.280	0.27602	2.57697	5 X
K13AA0T	16.3	0.15	K20CH	198.305	289.084	287.977	10.526	0.09630	2.75165	8 X
K13AA6P	17.2	0.15	K20CH	302.927	215.312	284.666	7.548	0.16524	2.61143	6 X
K13AA8H	17.3	0.15	K20CH	78.314	69.395	258.493	2.951	0.09856	2.68504	6 X
K13AC8Q	16.3	0.15	K20CH	241.850	228.949	323.009	12.153	0.12072	2.69119	11 X
K13AC9A	17.5	0.15	K20CH	3.279	149.671	264.073	7.638	0.18313	2.61425	5 X
K13AD2H	17.2	0.15	K20CH	37.071	118.014	272.980	3.544	0.13533	2.52839	6 X
K13AD6Y	17.7	0.15	K20CH	318.097	165.631	297.629	5.444	0.07674	2.65633	6 V
K13AG0W	17.2	0.15	K20CH	14.186	138.917	259.636	14.071	0.11907	2.63296	7 X
K13AG8W	18.0	0.15	K20CH	1.465	280.301	153.150	9.748	0.18712	2.57583	6 X
K13AJ0H	17.4	0.15	K20CH	61.902	200.826	159.378	13.154	0.12172	2.54065	5 X
K13B03J	17.1	0.15	K20CH	291.227	197.001	301.130	8.912	0.05327	2.62642	8 X
K13B03U	17.2	0.15	K20CH	322.043	127.467	335.053	12.098	0.12549	2.63687	6 X
K13B12H	17.3	0.15	K20CH	354.455	123.821	311.938	8.315	0.10983	2.59541	6 X
K13B13S	17.3	0.15	K20CH	56.368	269.419	74.408	5.507	0.31391	2.54470	9 X
K13B20D	17.3	0.15	K20CH	6.952	266.158	159.523	10.491	0.23226	2.57400	6 X
K13B23C	16.4	0.15	K20CH	322.258	199.088	275.678	16.422	0.11986	2.61159	8 X
K13B23V	17.0	0.15	K20CH	4.758	131.793	297.250	10.973	0.16040	2.57628	10 X
K13B43D	16.7	0.15	K20CH	49.648	22.570	320.703	13.581	0.19184	2.70164	9 X
K13B47C	17.9	0.15	K20CH	24.518	310.056	75.362	5.806	0.29428	2.58851	4 X
K13B49W	17.5	0.15	K20CH	52.367	281.619	87.527	6.294	0.13110	2.60845	5 X
K13B52N	17.1	0.15	K20CH	305.551	113.183	0.016	6.241	0.01258	2.65673	10 X
K13B57W	16.7	0.15	K20CH	50.548	224.035	129.229	14.426	0.27292	2.62224	8 X
K13B76K	17.9	0.15	K20CH	15.181	349.256	58.058	15.808	0.25934	2.57830	4 X
K13B78D	16.9	0.15	K20CH	63.004	352.883	354.817	6.344	0.07883	2.68037	11 X
K13B87J	18.2	0.15	K20CH	24.728	89.397	291.685	14.656	0.34670	2.58838	3 X
K13B96W	16.9	0.15	K20CH	319.984	214.885	104.210	11.869	0.03351	3.12238	3 V
K13C20N	17.2	0.15	K20CH	17.626	251.821	130.006	14.179	0.30869	2.62848	5 X
K13C23G	16.5	0.15	K20CH	338.934	135.198	295.521	21.173	0.03926	2.66344	8 X
K13C23V	16.4	0.15	K20CH	245.655	270.008	150.949	10.853	0.06808	3.03694	11 X
K13C23W	17.3	0.15	K20CH	351.867	133.892	304.970	6.643	0.16165	2.61753	8 X
K13C45V	16.3	0.15	K20CH	192.165	312.645	284.039	7.812	0.07391	2.70799	10 X
K13C56V	18.1	0.15	K20CH	312.575	74.779	51.026	22.221	0.07320	1.97090	7 X
K13C85P	18.2	0.15	K20CH	8.701	83.551	323.604	2.097	0.19258	2.61053	5 X
K13C86H	16.6	0.15	K20CH	122.933	185.313	115.104	15.555	0.09253	2.63691	6 X
K13C91D	17.2	0.15	K20CH	332.213	49.093	62.812	14.094	0.14385	2.61178	6 X
K13C93J	18.0	0.15	K20CH	357.134	125.723	304.467	2.057	0.13618	2.64184	6 X
K13CA9D	18.1	0.15	K20CH	343.551	36.941	55.363	4.566	0.23035	2.61162	6 X
K13CB2U	17.3	0.15	K20CH	326.823	349.313	124.098	9.283	0.16080	2.62354	6 X
K13CC0F	17.8	0.15	K20CH	359.225	80.658	350.444	5.490	0.27742	2.61648	5 X

K13CD0L	17.1	0.15	K20CH	306.193	156.517	335.112	10.202	0.10433	2.67140	10	X
K13CD2B	17.1	0.15	K20CH	333.664	132.963	315.454	7.601	0.08822	2.69814	7	X
K13CE4O	17.0	0.15	K20CH	337.411	209.910	238.569	32.064	0.18478	2.58272	4	X
K13CF7P	16.7	0.15	K20CH	90.572	336.321	340.289	7.700	0.10631	2.77068	8	X
K13CG4B	17.7	0.15	K20CH	317.854	157.409	323.030	3.111	0.17088	2.66410	8	X
K13CH5M	17.5	0.15	K20CH	318.352	140.797	335.145	12.772	0.12765	2.67854	7	X
K13CIOB	16.9	0.15	K20CH	321.512	144.462	333.122	12.371	0.12552	2.64291	6	X
K13CI3P	17.5	0.15	K20CH	336.922	156.794	312.669	12.193	0.19629	2.61634	4	X
K13CJ3E	17.4	0.15	K20CH	331.607	132.812	329.133	13.021	0.21509	2.63899	5	X
K13CJ8Q	18.1	0.15	K20CH	357.344	101.642	342.254	2.051	0.25235	2.59822	4	X
K13CK4P	17.6	0.15	K20CH	341.928	28.231	67.765	5.198	0.05548	2.64123	6	X
K13CL6K	17.7	0.15	K20CH	351.903	105.629	321.756	11.094	0.15797	2.67041	5	X
K13CN1A	17.0	0.15	K20CH	309.194	166.492	308.644	12.640	0.13240	2.70819	6	X
K13CN1G	18.5	0.15	K20CH	354.219	21.325	55.505	7.372	0.28423	2.60664	4	X
K13CN6B	17.3	0.15	K20CH	38.178	67.124	316.243	5.635	0.04449	2.69529	4	X
K13CO3F	17.3	0.15	K20CH	339.597	118.726	322.010	26.327	0.26446	2.65999	4	X
K13CO3X	17.5	0.15	K20CH	359.911	282.104	152.762	11.235	0.08862	2.67115	5	X
K13CO6R	18.7	0.15	K20CH	94.856	294.008	247.246	4.043	0.07560	2.25252	3	V
K13D03E	17.5	0.15	K20CH	343.610	301.292	163.662	14.993	0.17214	2.62623	6	X
K13D08L	16.8	0.15	K20CH	108.335	30.114	271.206	8.366	0.14287	2.77994	7	X
K13D21J	16.5	0.15	K20CH	69.249	184.155	141.151	26.092	0.09722	2.79336	4	V
K13E15V	17.2	0.15	K20CH	286.467	96.394	47.828	5.724	0.09974	2.71261	7	X
K13E25V	17.0	0.15	K20CH	330.652	95.873	10.246	11.083	0.09164	2.70237	8	X
K13E68L	17.1	0.15	K20CH	311.797	327.287	167.503	13.373	0.11144	2.67388	8	X
K13E86Y	17.2	0.15	K20CH	343.510	99.654	354.793	12.850	0.17533	2.65107	5	X
K13E89B	17.0	0.15	K20CH	275.321	6.872	165.892	10.626	0.14667	2.67705	7	X
K13EB4L	16.4	0.15	K20CH	320.164	19.668	97.660	17.981	0.12450	2.71154	10	X
K13EF5M	16.9	0.15	K20CH	75.372	41.966	306.082	3.790	0.08283	2.76759	9	X
K13F07C	16.9	0.15	K20CH	303.854	124.131	17.003	13.295	0.19120	2.68699	4	X
K13F10O	17.4	0.15	K20CH	317.017	310.925	184.632	12.945	0.20544	2.68793	6	X
K13G08Q	16.1	0.15	K20CH	217.353	213.559	352.079	12.098	0.04868	2.79353	9	X
K13G19M	17.3	0.15	K20CH	337.089	29.358	74.230	6.908	0.11981	2.69027	6	X
K13G60B	16.0	0.15	K20CH	333.772	69.958	25.719	6.212	0.01015	2.80134	14	X
K13G63C	17.0	0.15	K20CH	310.236	309.754	194.273	12.558	0.20346	2.67730	7	X
K13G88H	17.0	0.15	K20CH	310.400	88.226	57.548	13.585	0.22064	2.67440	5	X
K13GB5A	16.2	0.15	K20CH	93.272	117.491	190.021	16.026	0.23271	3.12921	9	X
K13H13F	16.1	0.15	K20CH	107.616	246.476	72.782	11.925	0.09983	2.88085	13	X
K13H50C	17.0	0.15	K20CH	10.129	86.965	331.226	4.611	0.11336	2.81651	10	X
K13H73F	17.6	0.15	K20CH	357.698	86.355	342.900	3.157	0.08200	2.80999	9	X
K13H77E	16.8	0.15	K20CH	346.065	238.481	214.527	17.345	0.18692	2.73260	9	X
K13H94B	16.9	0.15	K20CH	134.816	71.849	217.517	1.611	0.02076	2.83446	13	X
K13HB5P	17.2	0.15	K20CH	18.865	351.689	46.227	2.633	0.06627	2.85739	9	X
K13HC3G	16.9	0.15	K20CH	12.045	145.766	208.636	15.772	0.24960	3.12337	6	X
K13HC8L	17.1	0.15	K20CH	63.452	66.585	289.506	4.809	0.10101	2.88613	10	X
K13HF9D	17.7	0.15	K20CH	316.163	62.286	81.141	13.168	0.25020	2.68508	3	X
K13J40P	16.2	0.15	K20CH	81.389	251.913	75.281	27.023	0.23804	3.08882	6	X
K13J42H	16.3	0.15	K20CH	215.252	147.350	79.071	16.393	0.08967	2.84124	9	X
K13J45A	16.0	0.15	K20CH	35.121	255.598	129.415	2.529	0.10561	2.96021	13	X
K13J53V	16.2	0.15	K20CH	226.416	145.808	55.235	15.789	0.08602	2.85348	8	X
K13J77E	16.5	0.15	K20CH	39.969	337.722	33.840	9.975	0.14721	2.99915	6	X
K13K19J	16.4	0.15	K20CH	52.200	291.763	75.267	11.875	0.11467	3.02163	7	X
K13K19R	15.2	0.15	K20CH	36.026	235.628	130.844	27.858	0.24502	3.18478	10	X
K13L22B	16.1	0.15	K20CH	97.073	35.979	255.783	13.548	0.24921	3.15574	9	X
K13L27W	16.7	0.15	K20CH	50.375	125.032	248.953	8.927	0.09017	2.98199	7	X
K13L31Z	16.1	0.15	K20CH	71.237	233.129	94.419	17.793	0.24721	3.14669	8	X
K13L34B	15.5	0.15	K20CH	72.896	81.253	252.981	15.157	0.07964	3.06126	11	X
K13L37O	16.5	0.15	K20CH	57.336	328.978	33.665	12.348	0.06839	2.95143	8	X
K13L38H	16.8	0.15	K20CH	62.207	274.951	60.641	16.236	0.25004	3.18008	4	X
K13M08R	15.2	0.15	K20CH	306.652	190.950	303.463	26.780	0.13307	3.17728	11	X
K13M17E	15.9	0.15	K20CH	348.232	188.762	250.033	27.407	0.18262	3.09299	7	X
K13M19V	16.5	0.15	K20CH	90.579	51.764	295.630	15.965	0.09941	3.13462	3	V
K13N05Z	15.9	0.15	K20CH	20.854	99.427	294.514	12.963	0.06526	3.12517	8	X
K13N16O	16.1	0.15	K20CH	335.312	190.104	270.954	9.612	0.05750	3.13350	10	X
K13O07G	15.2	0.15	K20CH	40.400	276.654	106.911	18.760	0.11083	3.17334	11	X
K13O08K	15.6	0.15	K20CH	169.687	313.790	290.785	18.748	0.19922	3.10095	8	X
K13O10Z	15.8	0.15	K20CH	24.916	152.862	251.402	18.646	0.12684	3.22246	9	X
K13P04L	17.4	0.15	K20CH	114.393	13.060	275.035	7.386	0.15874	2.22817	9	X
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
K13P22S	16.0	0.15	K20CH	318.144	185.394	302.123	14.394	0.16357	3.18901	8	X
K13P32Z	18.2	0.15	K20CH	25.621	94.240	297.918	4.793	0.17542	2.24728	5	X
K13P46X	18.0	0.15	K20CH	112.671	41.495	265.517	8.714	0.12855	2.17771	6	X
K13P53C	18.7	0.15	K20CH	40.871	99.089	281.136	5.874	0.18474	2.22401	6	X
K13P64Q	16.3	0.15	K20CH	320.262	201.819	264.442	8.151	0.06189	3.17397	9	X
K13P82K	18.1	0.15	K20CH	20.616	90.032	307.958	5.225	0.06396	2.22418	10	X
K13P95Q	16.3	0.15	K20CH	18.046	84.011	318.168	15.024	0.06044	3.21989	6	X
K13PB1G	19.0	0.15	K20CH	36.975	34.076	332.719	6.540	0.15246	2.23688	2	V
K13PB1H	19.4	0.15	K20CH	48.357	29.234	290.668	4.569	0.18263	2.29960	2	V
K13Q35G	18.1	0.15	K20CH	52.159	12.160	341.271	4.437	0.16948	2.23731	8	X
K13Q41Y	18.1	0.15	K20CH	62.541	321.146	17.418	3.339	0.19805	2.25774	6	X
K13Q44B	17.9	0.15	K20CH	91.560	93.618	226.698	3.819	0.17071	2.22434	8	X
K13Q46D	17.7	0.15	K20CH	65.444	23.950	313.196	5.632	0.17891	2.25565	9	X
K13Q65W	19.0	0.15	K20CH	33.360	56.578	323.067	2.095	0.19464	2.24290	6	X
K13R02D	18.2	0.15	K20CH	69.678	298.573	15.530	5.218	0.32634	2.26856	4	X
K13R08O	18.8	0.15	K20CH	5.206	79.695	338.319	5.089	0.26076	2.26371	4	X
K13R25Z	17.0	0.15	K20CH	115.584	207.905	92.596	5.131	0.18688	2.21448	12	X
K13R52G	17.8	0.15	K20CH	69.100	62.015	297.480	6.104	0.06403	2.21118	9	X
K13R89Q	17.6	0.15	K20CH	96.931	344.776	328.976	3.241	0.10650	2.25141	7	X
K13R96Y	18.2	0.15	K20CH	70.264	109.349	233.114	5.461	0.13687	2.22978	9	X
K13RE3X	17.4	0.15	K20CH	313.921	234.338	83.837	12.631	0.08864	2.58888	3	V
K13RE3Y	19.1	0.15	K20CH	29.862	107.273	254.087	2.622	0.18725	2.29828	2	V
K13RE3Z	17.0	0.15	K20CH	76.835	221.099	149.432	9.871	0.07541	3.18312	3	V
K13S49A	18.8	0.15	K20CH	19.872	338.889	56.392	5.316	0.24203	2.29288	4	X

K13S52B	18.1	0.15	K20CH	31.888	257.620	78.346	2.812	0.27711	2.33287	4 X
K13S65S	18.9	0.15	K20CH	39.857	336.554	30.852	0.643	0.19681	2.26911	3 X
K13S79Q	17.6	0.15	K20CH	63.907	22.892	317.213	4.718	0.16467	2.27212	9 X
K13T11S	17.5	0.15	K20CH	71.111	342.329	1.543	2.904	0.18376	2.25450	11 X
K13T48S	18.3	0.15	K20CH	22.980	4.818	34.455	6.924	0.16373	2.27042	7 X
K13T49M	18.3	0.15	K20CH	357.510	52.808	17.251	7.997	0.11700	2.27173	7 X
K13T65S	17.9	0.15	K20CH	55.952	7.106	345.380	8.043	0.15000	2.27444	7 X
K13T75E	18.8	0.15	K20CH	15.063	26.809	20.034	6.263	0.20835	2.30084	6 X
K13T85A	17.3	0.15	K20CH	140.138	325.947	314.469	6.061	0.12410	2.21129	12 X
K13T86A	19.1	0.15	K20CH	22.882	296.072	105.737	1.307	0.19783	2.26186	4 X
K13TA1R	18.5	0.15	K20CH	42.736	8.981	356.425	5.488	0.16779	2.30191	7 X
K13TA9L	17.1	0.15	K20CH	240.202	295.124	252.333	6.732	0.07685	2.28067	12 X
K13TD4P	17.8	0.15	K20CH	92.691	246.456	77.315	4.043	0.15632	2.25642	9 X
K13TE5J	17.5	0.15	K20CH	83.370	243.260	75.850	6.492	0.32327	2.25485	8 X
K13TLOL	18.8	0.15	K20CH	9.588	7.962	38.177	8.134	0.21482	2.32769	2 X
K13TL2D	19.0	0.15	K20CH	51.400	288.601	51.938	5.575	0.18696	2.31250	2 V
K13TL2E	19.4	0.15	K20CH	2.159	62.870	329.947	4.281	0.14871	2.32788	2 V
K13TL2F	18.5	0.15	K20CH	3.372	62.817	333.205	6.570	0.11929	2.29838	2 V
K13U12L	17.3	0.15	K20CH	344.646	317.302	93.173	3.659	0.18965	2.35491	11 X
K13U14X	18.3	0.15	K20CH	21.881	331.633	40.183	7.198	0.53296	2.32992	4 X
K13U26Y	18.5	0.15	K20CH	51.568	126.036	241.139	5.115	0.19082	2.27987	3 X
K13U42H	19.1	0.15	K20CH	332.582	88.714	356.347	5.345	0.21116	2.34021	2 V
K13U42J	18.9	0.15	K20CH	34.642	237.797	125.078	3.429	0.18182	2.31609	2 V
K13U42K	18.9	0.15	K20CH	12.275	127.663	260.363	11.093	0.17319	2.33756	2 V
K13V01T	17.4	0.15	K20CH	51.020	83.324	257.329	21.788	0.31794	2.28276	2 X
K13V06J	18.3	0.15	K20CH	51.215	68.830	280.103	3.643	0.25149	2.29997	5 X
K13V17M	18.5	0.15	K20CH	27.575	49.853	326.652	4.187	0.24817	2.31160	5 X
K13V21U	18.9	0.15	K20CH	42.480	346.931	23.805	3.677	0.23616	2.27797	4 X
K13V22R	18.2	0.15	K20CH	44.482	66.681	282.950	10.997	0.28902	2.29593	7 X
K13V61X	18.9	0.15	K20CH	42.645	236.283	105.776	3.031	0.20813	2.34301	2 V
K13V61Y	18.1	0.15	K20CH	83.826	214.176	81.755	6.171	0.22742	2.33454	2 V
K13W25G	16.6	0.15	K20CH	15.261	196.226	225.093	23.542	0.15859	2.30932	10 X
K13W29Z	18.1	0.15	K20CH	31.708	275.095	62.678	2.106	0.26422	2.37502	8 X
K13W47L	18.0	0.15	K20CH	34.612	95.826	299.041	5.009	0.04193	2.30118	10 X
K13W52O	18.2	0.15	K20CH	32.606	17.055	7.027	6.852	0.15005	2.31481	6 X
K13W53E	18.2	0.15	K20CH	21.910	46.659	342.955	5.021	0.22934	2.31594	5 X
K13W56A	18.1	0.15	K20CH	38.730	339.257	25.225	3.180	0.24074	2.31164	6 X
K13W57P	17.9	0.15	K20CH	352.932	265.695	135.838	1.670	0.18446	2.36126	7 X
K13W68S	17.9	0.15	K20CH	0.502	174.500	256.774	24.774	0.22165	2.31064	3 X
K13W69L	17.6	0.15	K20CH	97.336	65.855	243.954	6.310	0.14765	2.29260	9 X
K13W72T	18.2	0.15	K20CH	328.249	215.361	249.255	22.729	0.19835	2.32464	4 X
K13W87K	18.4	0.15	K20CH	358.648	53.578	17.443	6.050	0.19601	2.31481	4 X
K13W97U	18.0	0.15	K20CH	45.369	308.739	59.293	5.026	0.23224	2.30897	7 X
K13WA1A	18.8	0.15	K20CH	2.752	158.423	271.936	7.655	0.17682	2.30572	3 X
K13WD3K	18.6	0.15	K20CH	39.841	136.338	208.244	1.589	0.21900	2.35585	2 V
K13X00G	18.8	0.15	K20CH	40.357	319.479	39.446	8.479	0.29825	2.31077	3 X
K13X00M	17.6	0.15	K20CH	336.651	75.809	10.368	3.810	0.05450	2.31775	10 X
K13X02Q	16.8	0.15	K20CH	287.115	299.699	186.273	22.594	0.28384	2.37474	8 X
K13X07V	17.7	0.15	K20CH	21.459	335.694	70.110	3.336	0.20290	2.32715	9 X
K13X22L	17.5	0.15	K20CH	11.352	85.755	299.765	26.110	0.32491	2.31974	4 X
K13X37R	16.4	0.15	K20CH	337.609	274.863	161.025	3.264	0.21597	3.94016	2 V
K13Y02S	23.4	0.15	K20CH	342.142	216.243	261.832	2.934	0.29654	1.45137	2 X
K13Y11X	17.2	0.15	K20CH	22.110	319.278	86.809	7.932	0.12720	2.34359	10 X
K13Y15R	18.3	0.15	K20CH	325.747	225.860	250.839	4.656	0.17735	2.32370	5 X
K13Y18R	18.0	0.15	K20CH	19.245	314.040	87.569	4.339	0.23192	2.33853	8 X
K13Y27J	18.7	0.15	K20CH	341.473	138.220	308.202	2.544	0.19500	2.36868	6 X
K13Y27X	18.6	0.15	K20CH	340.997	167.726	285.658	4.566	0.22883	2.35602	2 X
K13Y45H	17.1	0.15	K20CH	291.508	209.381	289.599	9.531	0.10319	2.40646	8 X
K13Y72G	18.5	0.15	K20CH	333.366	137.257	337.366	2.285	0.16973	2.30943	8 X
K13Y75N	17.1	0.15	K20CH	50.202	90.038	274.878	6.788	0.12483	2.40366	10 X
K13Y95K	18.1	0.15	K20CH	357.296	135.471	299.753	4.724	0.11840	2.37185	5 X
K13Y99X	18.0	0.15	K20CH	343.815	141.380	298.663	5.901	0.08663	2.39561	6 X
K13YA2O	18.0	0.15	K20CH	293.802	18.374	154.795	11.465	0.25817	2.31301	6 X
K13YG4C	18.3	0.15	K20CH	302.333	286.927	222.827	3.758	0.18565	2.32957	7 X
K14A00S	17.3	0.15	K20CH	56.290	24.947	325.757	6.057	0.14539	2.40834	10 X
K14A01R	17.1	0.15	K20CH	290.486	173.784	320.525	6.057	0.05061	2.40716	11 X
K14A05U	17.6	0.15	K20CH	58.833	294.370	68.950	6.916	0.14938	2.36393	7 X
K14A25O	17.6	0.15	K20CH	19.909	137.584	266.455	5.800	0.11525	2.39802	7 X
K14A60P	17.2	0.15	K20CH	51.923	282.868	87.956	8.202	0.13082	2.35273	9 X
K14B03S	18.1	0.15	K20CH	353.303	121.094	317.974	5.939	0.19522	2.35215	6 X
K14B14T	17.3	0.15	K20CH	232.051	142.825	50.999	7.312	0.07294	2.40567	12 X
K14B27Y	16.7	0.15	K20CH	140.526	355.756	290.617	4.645	0.12193	2.39942	12 X
K14B36X	17.8	0.15	K20CH	336.532	145.698	320.487	4.230	0.20874	2.37608	9 X
K14B39T	18.5	0.15	K20CH	314.990	139.622	357.233	3.036	0.17172	2.36859	5 X
K14B52A	18.3	0.15	K20CH	16.573	20.338	17.983	5.046	0.17895	2.38183	6 X
K14B81R	17.8	0.15	K20CH	192.982	182.113	1.272	13.458	0.19155	2.59762	2 V
K14C08Z	18.6	0.15	K20CH	14.951	339.322	75.858	2.499	0.17291	2.37959	6 X
K14C10E	17.7	0.15	K20CH	28.953	25.040	0.747	7.368	0.29662	2.38318	4 X
K14C17F	15.9	0.15	K20CH	99.264	322.481	354.463	5.667	0.17174	2.52271	12 X
K14C27Q	16.8	0.15	K20CH	16.652	51.773	349.289	11.887	0.06077	2.52568	8 X
K14D00Z	15.9	0.15	K20CH	356.797	277.884	155.094	12.082	0.28680	3.96533	6 X
K14D31J	17.3	0.15	K20CH	34.499	284.843	165.950	21.291	0.20598	2.29545	6 V
K14D31S	17.5	0.15	K20CH	301.214	118.355	22.284	12.643	0.12757	2.44191	6 X
K14D62E	17.5	0.15	K20CH	99.374	171.667	151.429	10.712	0.07058	2.54730	8 X
K14D63R	17.4	0.15	K20CH	29.513	21.330	5.573	10.460	0.18736	2.52066	5 X
K14D78P	16.9	0.15	K20CH	103.712	223.720	85.585	6.574	0.21693	2.62832	12 X
K14D82W	16.8	0.15	K20CH	98.186	26.789	275.163	13.847	0.17324	2.54315	7 X
K14DB1K	17.4	0.15	K20CH	252.660	194.025	354.322	4.467	0.07810	2.45692	10 X
K14DE1C	17.9	0.15	K20CH	25.421	259.746	120.380	7.684	0.36320	2.26647	6 X
K14DG7O	17.4	0.15	K20CH	319.219	346.816	134.189	8.213	0.11964	2.54855	7 X
K14DH4V	18.4	0.15	K20CH	256.957	182.243	8.259	1.243	0.12819	2.42625	6 X
K14DH5E	17.1	0.15	K20CH	61.318	330.035	18.597	3.040	0.16561	2.55381	6 X
K14DH8R	17.0	0.15	K20CH	56.249	319.327	26.676	12.403	0.21250	2.60885	4 X

K14DH9L	17.6	0.15	K20CH	87.905	138.553	37.763	10.514	0.10660	3.04817	2 V
K14E00A	16.7	0.15	K20CH	5.860	308.385	124.232	22.815	0.22827	2.29176	9 X
K14E03A	18.2	0.15	K20CH	329.099	94.405	14.912	6.168	0.19615	2.42433	4 X
K14E10H	16.2	0.15	K20CH	119.603	294.785	358.981	12.719	0.19702	2.51763	6 X
K14E51H	16.0	0.15	K20CH	176.539	237.081	6.890	13.110	0.14540	2.61514	13 X
K14E54V	13.6	0.15	K20CH	350.259	196.918	178.780	27.247	0.06842	5.15206	9 X
K14EF1E	17.4	0.15	K20CH	49.855	50.648	296.117	12.225	0.20328	2.56072	6 X
K14EF2N	18.6	0.15	K20CH	27.429	80.913	307.494	10.974	0.25656	2.45461	6 X
K14EJ8T	16.9	0.15	K20CH	99.786	134.203	191.456	13.354	0.06870	2.51366	6 X
K14EK4E	17.1	0.15	K20CH	84.204	26.349	288.055	9.278	0.17023	2.57490	7 X
K14EN6V	18.8	0.15	K20CH	5.863	130.034	284.937	1.404	0.19454	2.46088	5 V
K14F12J	16.8	0.15	K20CH	29.435	308.474	59.575	13.619	0.30874	2.56488	9 X
K14F16Y	16.8	0.15	K20CH	38.491	12.440	358.105	13.551	0.18217	2.55693	6 X
K14F24Q	16.6	0.15	K20CH	52.200	55.277	306.308	10.397	0.14637	2.53287	5 X
K14F38F	18.7	0.15	K20CH	100.944	278.170	41.066	25.268	0.08417	1.86884	5 X
K14F40L	17.0	0.15	K20CH	71.533	213.962	134.771	11.072	0.10113	2.52312	4 X
K14F42K	18.0	0.15	K20CH	334.267	302.555	170.814	8.638	0.16890	2.43056	6 X
K14F54T	17.2	0.15	K20CH	275.074	109.566	50.070	7.130	0.07136	2.45811	9 X
K14G00C	16.9	0.15	K20CH	241.924	139.808	49.625	10.245	0.06613	2.55789	9 X
K14G07F	17.1	0.15	K20CH	74.634	329.682	358.764	13.972	0.11148	2.63501	6 X
K14G08A	16.7	0.15	K20CH	295.034	115.613	24.910	15.223	0.05567	2.55226	5 X
K14G17N	15.9	0.15	K20CH	281.418	108.927	62.442	30.860	0.12064	2.53555	8 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
K14G61G	16.7	0.15	K20CH	131.578	144.464	141.289	12.852	0.13257	2.66158	10 X
K14G80W	17.7	0.15	K20CH	322.423	129.099	317.843	2.871	0.01734	2.63263	2 V
K14G80X	17.1	0.15	K20CH	284.111	44.315	69.430	22.875	0.03641	2.67499	2 V
K14G80Y	19.5	0.15	K20CH	298.537	82.993	22.589	21.300	0.09668	1.87237	2 V
K14H04Z	18.8	0.15	K20CH	47.087	324.706	48.390	23.122	0.10910	1.89466	2 X
K14H18G	16.9	0.15	K20CH	6.288	358.411	56.081	13.444	0.16655	2.57993	8 X
K14H41P	17.7	0.15	K20CH	289.998	122.819	25.631	2.177	0.09334	2.55372	11 X
K14HD4H	16.9	0.15	K20CH	208.397	223.349	4.731	4.192	0.09786	2.57603	10 X
K14HH5J	17.1	0.15	K20CH	80.401	82.523	239.796	11.562	0.16569	2.76864	5 X
K14HH8H	18.9	0.15	K20CH	44.070	321.443	60.751	23.166	0.08898	1.88539	4 X
K14HI5Y	17.7	0.15	K20CH	293.728	85.741	64.306	12.880	0.11267	2.54770	8 X
K14HJ5C	16.9	0.15	K20CH	238.710	317.340	246.430	6.606	0.15138	2.56799	9 X
K14HK2C	17.1	0.15	K20CH	331.058	214.668	245.295	9.828	0.13626	2.58931	7 X
K14HK6R	16.9	0.15	K20CH	303.827	67.317	63.814	23.058	0.03630	2.58148	7 X
K14HM6A	17.5	0.15	K20CH	150.991	200.147	18.944	4.412	0.04802	2.81181	2 V
K14HM6B	17.3	0.15	K20CH	286.241	117.329	336.767	2.642	0.05340	2.76402	4 V
K14HM6C	17.6	0.15	K20CH	70.917	78.646	246.309	4.263	0.03859	2.72413	2 V
K14HM6D	18.6	0.15	K20CH	89.238	126.435	197.832	21.047	0.08346	1.88708	2 V
K14J09X	17.1	0.15	K20CH	217.308	110.616	108.798	2.900	0.11107	2.59008	12 X
K14J24S	19.2	0.15	K20CH	350.040	32.786	49.015	23.000	0.09155	1.86820	3 X
K14J52N	16.8	0.15	K20CH	310.243	68.278	66.706	6.686	0.07287	2.55911	9 X
K14J53A	16.9	0.15	K20CH	301.789	73.495	52.574	15.646	0.06962	2.61203	9 X
K14J67J	16.8	0.15	K20CH	359.186	357.838	71.601	14.785	0.08653	2.62916	10 X
K14J81P	19.0	0.15	K20CH	323.157	57.036	54.163	23.288	0.09142	1.86333	3 X
K14JB3Y	17.4	0.15	K20CH	252.087	19.043	106.789	5.692	0.01107	2.79864	2 V
K14JB3Z	17.6	0.15	K20CH	37.603	95.802	264.028	5.979	0.12146	2.77310	3 V
K14JB4A	17.9	0.15	K20CH	259.995	255.346	230.839	4.105	0.03283	2.74840	2 V
K14JB4B	17.8	0.15	K20CH	49.709	276.642	51.392	11.802	0.16633	2.87706	2 V
K14K04E	18.8	0.15	K20CH	193.450	151.274	90.378	25.657	0.08753	1.87413	4 X
K14K04F	18.4	0.15	K20CH	350.167	224.496	232.354	23.655	0.16989	1.85687	5 X
K14K31A	16.9	0.15	K20CH	327.329	263.662	210.497	15.152	0.06026	2.57829	10 X
K14K39W	19.3	0.15	K20CH	329.552	54.187	62.596	26.730	0.17927	1.85315	4 X
K14K45A	19.6	0.15	K20CH	11.394	354.646	57.992	25.069	0.14088	1.90220	2 X
K14K45Y	17.8	0.15	K20CH	145.415	231.286	50.594	20.834	0.03431	1.90329	9 X
K14K63B	17.0	0.15	K20CH	289.852	250.055	253.357	10.268	0.13984	2.59452	4 X
K14K63N	17.2	0.15	K20CH	10.572	0.367	67.037	6.870	0.03726	2.63332	10 X
K14K64P	17.1	0.15	K20CH	279.520	109.396	53.047	4.513	0.15554	2.56852	11 X
K14K75L	16.4	0.15	K20CH	156.609	341.244	276.671	11.177	0.13222	2.69336	9 X
K14K77Q	16.7	0.15	K20CH	300.754	8.946	133.769	13.920	0.10795	2.59805	9 X
K14K95C	16.3	0.15	K20CH	138.860	29.118	257.342	14.076	0.11421	2.67632	9 X
K14KA4X	16.6	0.15	K20CH	45.358	143.209	244.898	12.098	0.05124	2.65883	8 X
K14KD2M	17.8	0.15	K20CH	66.394	320.778	331.559	5.690	0.20568	2.94324	2 V
K14KD2N	19.6	0.15	K20CH	94.768	92.177	214.950	20.433	0.07715	1.94819	2 V
K14L15H	15.9	0.15	K20CH	58.471	85.996	286.864	11.475	0.05126	2.85211	10 X
K14L18W	16.8	0.15	K20CH	187.406	186.932	57.623	14.861	0.04416	2.60771	9 X
K14L22V	16.3	0.15	K20CH	65.161	257.225	81.054	16.163	0.27524	2.87969	8 X
K14L26Q	18.3	0.15	K20CH	22.151	195.730	156.279	9.539	0.60926	3.19995	2 X
K14M08C	16.2	0.15	K20CH	4.928	128.796	259.269	26.753	0.15773	3.03712	3 X
K14M10T	15.9	0.15	K20CH	125.378	22.301	273.060	14.432	0.12576	2.83598	9 X
K14M32Y	16.1	0.15	K20CH	213.694	327.692	256.618	32.030	0.18182	2.61662	5 X
K14M44H	16.7	0.15	K20CH	278.966	240.743	260.778	16.462	0.04260	2.67051	6 X
K14M54Y	16.7	0.15	K20CH	160.498	197.716	64.009	10.301	0.10735	2.80797	8 X
K14M66O	16.5	0.15	K20CH	349.886	167.745	268.576	11.339	0.06893	2.92427	7 X
K14M79B	17.0	0.15	K20CH	3.660	86.353	301.370	23.364	0.35329	3.18666	3 X
K14M90F	16.3	0.15	K20CH	38.173	343.357	24.510	5.567	0.24932	2.97705	5 X
K14M93T	17.0	0.15	K20CH	8.171	67.054	315.216	2.146	0.11376	3.07588	2 V
K14M93U	17.3	0.15	K20CH	27.690	248.008	101.636	14.656	0.30000	3.17844	2 V
K14M93V	17.2	0.15	K20CH	99.341	46.178	243.416	14.278	0.12967	2.87234	2 V
K14N13V	17.2	0.15	K20CH	36.058	91.592	286.696	11.550	0.07517	2.87624	5 X
K14N34E	16.6	0.15	K20CH	86.511	268.301	39.279	11.534	0.21121	2.99813	7 X
K14N41W	16.4	0.15	K20CH	330.815	146.066	283.157	27.396	0.20490	3.11925	4 X
K14N49T	16.6	0.15	K20CH	335.014	231.594	190.926	16.401	0.22389	3.10359	5 X
K14N53G	15.9	0.15	K20CH	166.630	180.276	83.234	11.488	0.09339	2.76381	11 X
K14N62A	16.1	0.15	K20CH	91.414	24.203	307.968	9.848	0.03574	2.81344	12 X
K14N63W	15.4	0.15	K20CH	52.998	69.145	267.269	24.955	0.27347	3.19602	7 X
K14N67U	16.6	0.15	K20CH	36.785	247.064	142.422	12.526	0.12624	3.02545	8 X
K14N71F	18.1	0.15	K20CH	202.718	117.830	198.226	2.641	0.09592	2.53489	5 X
K14N80C	16.2	0.15	K20CH	72.869	33.391	294.064	14.961	0.10883	3.18683	6 X
K14N85W	17.6	0.15	K20CH	23.809	74.738	282.840	11.920	0.23872	3.12185	2 V

K14N85X	16.9	0.15	K20CH	15.000	281.951	95.847	14.910	0.20248	3.14778	2 V
K14N85Y	17.1	0.15	K20CH	33.211	347.008	0.668	12.264	0.13608	3.04642	2 V
K14N85Z	16.9	0.15	K20CH	88.975	245.255	41.550	11.290	0.09578	3.02710	3 V
K14O02M	16.3	0.15	K20CH	39.831	42.977	293.275	22.476	0.21647	3.16495	5 X
K14O07H	16.3	0.15	K20CH	234.683	276.014	289.283	6.014	0.07518	2.80587	12 X
K14O28Y	17.1	0.15	K20CH	55.683	288.355	82.963	3.242	0.07892	2.86985	11 X
K14O98M	16.1	0.15	K20CH	127.024	349.817	313.636	11.066	0.03293	2.92362	8 X
K14OB1D	17.1	0.15	K20CH	84.937	67.401	266.188	1.020	0.06779	2.86426	11 X
K14OB8D	16.6	0.15	K20CH	32.123	56.289	319.663	8.331	0.09239	2.95716	6 X
K14OC0B	16.5	0.15	K20CH	57.797	31.858	327.013	9.041	0.07843	2.90342	7 X
K14OC1H	17.2	0.15	K20CH	19.074	354.607	38.282	1.949	0.22207	3.00818	7 X
K14OC3G	17.0	0.15	K20CH	347.152	98.932	340.766	5.517	0.05949	2.87280	8 X
K14OH3F	16.7	0.15	K20CH	63.584	20.680	323.595	10.317	0.09929	2.94481	8 X
K14OH4C	17.3	0.15	K20CH	30.122	51.464	317.479	14.871	0.31512	3.09076	3 X
K14OJ1T	16.6	0.15	K20CH	41.155	213.409	165.821	12.625	0.15945	3.10097	9 X
K14OM8N	17.1	0.15	K20CH	41.312	53.479	300.519	4.933	0.20702	3.17656	5 X
K14ON5X	17.0	0.15	K20CH	128.792	174.172	121.712	14.215	0.12637	2.70308	8 X
K14OR1X	16.6	0.15	K20CH	6.553	33.038	15.471	10.451	0.11713	2.96818	8 X
K14OR7D	17.0	0.15	K20CH	103.885	327.126	342.022	5.385	0.07643	2.94691	9 X
K14OT7L	16.2	0.15	K20CH	137.557	136.211	157.301	11.821	0.04919	3.00562	8 X
K14OW3A	17.2	0.15	K20CH	299.414	191.558	303.070	7.740	0.14540	2.79410	6 X
K14OW5A	17.1	0.15	K20CH	347.840	120.137	310.523	12.713	0.09978	2.90790	7 X
K14OW6C	17.3	0.15	K20CH	15.697	281.106	129.375	9.711	0.09288	2.88535	8 X
K14Oa9N	17.4	0.15	K20CH	25.259	301.773	102.828	3.292	0.06775	2.87290	8 X
K14Ob5B	15.6	0.15	K20CH	215.784	249.323	322.801	11.619	0.05961	2.83176	12 X
K14Ob9E	15.7	0.15	K20CH	71.947	215.161	68.118	2.038	0.16983	3.20019	12 X
K14Oc8F	17.2	0.15	K20CH	59.218	226.546	118.831	14.207	0.22047	3.02504	2 X
K14Od0A	16.3	0.15	K20CH	89.807	308.169	8.040	9.909	0.09412	2.96368	7 X
K14oi1C	17.3	0.15	K20CH	50.370	329.104	356.308	9.170	0.07958	3.16189	3 V
K14oi1D	16.4	0.15	K20CH	93.838	21.646	260.552	15.951	0.17832	3.10133	2 V
K14oi1E	17.5	0.15	K20CH	47.872	308.591	36.445	2.811	0.10266	3.01490	2 V
K14oi1F	17.4	0.15	K20CH	31.269	1.190	346.929	6.627	0.21477	3.14355	2 V
K14oi1G	17.2	0.15	K20CH	48.164	358.210	324.766	10.619	0.12472	3.12868	2 V
K14oi1H	17.7	0.15	K20CH	23.054	216.858	148.431	13.075	0.16888	3.06634	2 V
K14oi1J	17.2	0.15	K20CH	22.452	1.801	356.334	9.409	0.06567	3.06257	2 V
K14P19E	16.6	0.15	K20CH	38.633	335.197	38.689	2.771	0.08013	2.99985	8 X
K14P19J	16.3	0.15	K20CH	1.463	73.991	345.499	9.613	0.09389	2.97953	9 X
K14P24C	16.3	0.15	K20CH	339.037	128.091	306.648	2.992	0.02624	2.98759	12 X
K14P25H	17.0	0.15	K20CH	32.356	323.684	59.520	2.119	0.17516	3.03260	8 X
K14P26A	16.0	0.15	K20CH	14.066	43.829	349.708	8.494	0.13452	3.05724	11 X
K14P43M	16.4	0.15	K20CH	93.131	248.375	76.858	12.742	0.13838	2.99486	8 X
K14P57F	16.1	0.15	K20CH	108.839	243.240	72.943	12.259	0.10367	2.97356	10 X
K14P60H	16.3	0.15	K20CH	265.508	266.001	259.861	26.878	0.14387	2.62416	7 X
K14P69C	16.8	0.15	K20CH	46.234	56.896	301.852	4.147	0.16970	3.01727	7 X
K14P73U	16.6	0.15	K20CH	11.791	228.935	192.081	12.941	0.17215	3.02045	6 X
K14P92O	17.2	0.15	K20CH	13.210	51.904	324.092	9.537	0.04371	3.14445	2 V
K14Q00Z	16.1	0.15	K20CH	24.252	203.368	174.329	18.678	0.22764	3.16380	8 X
K14Q09N	17.0	0.15	K20CH	0.303	172.422	244.722	14.617	0.17908	2.97027	4 X
K14Q10X	16.4	0.15	K20CH	77.146	102.554	239.142	9.766	0.13962	2.94438	11 X
K14Q29Q	16.2	0.15	K20CH	31.890	47.520	319.128	12.810	0.20144	3.15293	7 X
K14Q54U	16.5	0.15	K20CH	66.633	76.002	270.629	4.991	0.08807	2.94168	10 X
K14Q65T	16.6	0.15	K20CH	6.940	241.178	158.599	15.213	0.28986	3.09516	4 X
K14Q69R	17.1	0.15	K20CH	40.601	210.404	173.367	12.265	0.06790	2.91162	7 X
K14QA9L	16.8	0.15	K20CH	338.147	149.646	286.357	10.828	0.02774	2.95190	6 X
K14QG7Y	16.4	0.15	K20CH	21.931	328.289	73.524	16.039	0.24944	3.18201	4 X
K14QI4F	16.6	0.15	K20CH	52.464	85.154	280.322	8.036	0.08266	2.98510	9 X
K14QI4K	17.2	0.15	K20CH	62.836	91.603	258.903	6.709	0.17645	3.01091	6 X
K14QJ6T	17.4	0.15	K20CH	20.101	99.219	298.182	8.302	0.28391	3.08747	3 X
K14QJ6Y	16.9	0.15	K20CH	41.478	113.196	268.510	6.060	0.11078	2.98934	7 X
K14QM5U	16.6	0.15	K20CH	52.500	101.041	277.412	2.425	0.01925	2.95115	12 X
K14QN0S	16.7	0.15	K20CH	26.512	40.818	340.545	8.379	0.19154	3.11799	7 X
K14QN8X	17.0	0.15	K20CH	29.610	346.310	45.146	3.801	0.16363	3.05975	6 X
K14QO9L	16.8	0.15	K20CH	14.343	10.100	29.773	11.297	0.21539	3.12958	3 X
K14QP4V	16.5	0.15	K20CH	137.083	228.709	57.893	11.343	0.07242	2.99761	6 X
K14QQ0M	16.6	0.15	K20CH	27.105	0.923	25.889	16.058	0.15938	3.10128	4 X
K14QQ4D	16.0	0.15	K20CH	34.886	256.560	126.244	11.149	0.15001	3.09086	11 X
K14QT3C	16.6	0.15	K20CH	354.475	31.843	36.984	16.549	0.14709	3.08002	5 X
K14QU8F	16.9	0.15	K20CH	36.823	305.868	66.777	2.258	0.16300	3.13879	7 X
K14QW2P	16.3	0.15	K20CH	352.304	69.662	8.004	9.297	0.21535	3.14616	7 X
K14QW5X	16.5	0.15	K20CH	123.399	123.390	176.337	15.854	0.07869	3.05686	8 X
K14QW6B	17.4	0.15	K20CH	297.700	155.523	170.936	11.988	0.05638	2.36156	8 X
K14QW6S	16.1	0.15	K20CH	87.569	312.834	16.277	18.423	0.11908	3.08722	7 X
K14QX2M	16.2	0.15	K20CH	317.055	99.359	24.695	17.625	0.24162	3.14227	6 X
K14QX3C	16.2	0.15	K20CH	329.077	63.475	27.121	11.281	0.10490	3.16439	9 X
K14QY7D	16.7	0.15	K20CH	8.638	356.938	62.957	10.912	0.14206	3.00428	8 X
K14QY9K	16.4	0.15	K20CH	59.139	354.084	0.403	11.771	0.08549	3.07385	6 X
K14QZ6M	15.7	0.15	K20CH	80.026	323.207	7.443	12.479	0.05486	3.09827	11 X
K14QZ8X	16.3	0.15	K20CH	93.498	23.477	301.862	1.696	0.07239	3.06002	13 X
K14QZ8Z	16.7	0.15	K20CH	28.801	17.708	351.996	14.783	0.26201	3.20273	4 X
K14Qa0W	16.8	0.15	K20CH	354.111	259.986	178.407	9.973	0.08590	3.05159	5 X
K14Qb9R	16.7	0.15	K20CH	49.156	13.685	346.297	8.502	0.12852	3.13180	7 X
K14Qc6A	16.7	0.15	K20CH	341.751	120.857	326.839	11.703	0.11397	3.14285	8 X
K14Qc8F	16.8	0.15	K20CH	12.969	63.786	339.830	6.142	0.06073	3.00684	9 X
K14Qd2D	16.7	0.15	K20CH	9.945	77.014	323.954	8.256	0.15972	3.05318	7 X
K14Qd8Z	16.4	0.15	K20CH	32.012	211.228	178.889	14.974	0.16917	3.06650	8 X
K14Qe1L	16.8	0.15	K20CH	330.642	80.339	19.932	6.528	0.06684	2.95981	8 X
K14Qe3R	16.8	0.15	K20CH	45.333	105.900	256.560	9.519	0.13075	3.11972	5 X
K14Qe8D	16.2	0.15	K20CH	58.597	47.729	278.596	15.815	0.22932	3.16541	2 X
K14Qg4P	16.6	0.15	K20CH	46.156	78.115	291.961	8.909	0.10111	3.03156	7 X
K14Qg9P	16.4	0.15	K20CH	357.171	103.544	324.002	9.506	0.12687	3.05867	6 X
K14Qi8R	16.4	0.15	K20CH	133.786	152.560	138.454	10.136	0.06009	3.09220	11 X
K14Qi8V	16.5	0.15	K20CH	55.600	26.227	325.343	13.645	0.07299	3.08388	8 X
K14Qj1E	16.7	0.15	K20CH	60.208	340.947	8.853	10.383	0.09408	3.02421	8 X



K14Qj3M	16.9	0.15	K20CH	27.828	125.987	259.334	8.634	0.19334	3.06673	5 X
K14Qj4P	16.4	0.15	K20CH	351.184	178.949	254.310	9.481	0.09832	3.03616	9 X
K14Qj5H	16.0	0.15	K20CH	36.686	352.088	19.105	9.313	0.07817	3.09303	9 X
K14Qj7W	16.8	0.15	K20CH	39.190	37.617	336.376	8.089	0.10504	3.09018	9 X
K14Qk2C	17.2	0.15	K20CH	33.761	87.091	300.310	5.761	0.18837	3.02669	5 X
K14Qk3K	16.8	0.15	K20CH	17.419	26.331	23.574	10.249	0.09232	3.03320	6 X
K14Ql9J	16.9	0.15	K20CH	14.869	47.231	342.824	14.966	0.18645	3.09349	7 X
K14Qm5Y	16.6	0.15	K20CH	31.738	336.022	41.971	6.225	0.15191	3.11092	9 X
K14Qn6J	16.4	0.15	K20CH	66.241	92.915	259.271	9.504	0.04186	3.01815	6 X
K14Qn7N	18.4	0.15	K20CH	243.700	244.534	146.753	11.918	0.26789	2.38234	5 X
K14Qn7S	17.3	0.15	K20CH	5.666	302.200	118.131	10.877	0.20527	3.07338	3 X
K14Qn8L	17.2	0.15	K20CH	357.273	98.075	342.289	15.880	0.43296	3.11250	3 X
K14Qo0R	16.8	0.15	K20CH	1.428	0.110	59.769	17.929	0.10259	3.20357	4 X
K14Qo4M	16.4	0.15	K20CH	82.926	293.914	47.913	11.108	0.07637	2.97385	7 X
K14Qp8P	16.8	0.15	K20CH	14.974	253.038	164.074	11.420	0.03029	3.09167	10 X
K14Qr5M	16.9	0.15	K20CH	329.635	88.087	17.414	9.146	0.24479	3.02285	5 X
K14Qr7C	17.3	0.15	K20CH	29.472	92.163	270.503	11.575	0.29630	3.19592	4 X
K14R00P	15.6	0.15	K20CH	10.253	146.294	256.381	17.041	0.34726	3.19005	5 X
K14R14M	16.2	0.15	K20CH	121.282	355.472	285.251	8.039	0.11137	3.03117	9 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
K14R37V	16.2	0.15	K20CH	71.313	346.824	350.640	10.401	0.07332	3.07796	9 X
K14R38Y	16.5	0.15	K20CH	20.948	39.455	2.661	9.636	0.07820	3.03643	7 X
K14R43Q	16.5	0.15	K20CH	34.081	118.334	257.637	10.857	0.21084	3.15325	5 X
K14R43X	16.5	0.15	K20CH	22.736	128.672	261.242	9.121	0.16434	3.14769	7 X
K14R44Z	15.8	0.15	K20CH	327.421	127.763	316.008	14.036	0.07639	3.20765	8 X
K14R45S	16.2	0.15	K20CH	264.565	331.345	201.626	18.599	0.10149	3.09395	8 X
K14R46A	16.4	0.15	K20CH	321.063	94.421	9.054	16.873	0.08167	3.13950	7 X
K14R47J	16.7	0.15	K20CH	357.570	52.431	9.670	16.103	0.22219	3.19159	2 X
K14R48P	16.0	0.15	K20CH	140.810	271.653	6.755	9.592	0.07656	3.09085	10 X
K14R49H	16.4	0.15	K20CH	349.562	53.270	18.851	10.488	0.07848	3.14323	7 X
K14R50W	16.9	0.15	K20CH	23.187	281.251	115.019	9.822	0.13816	3.07909	7 X
K14R55J	16.7	0.15	K20CH	353.378	84.275	343.541	10.661	0.06462	3.02061	6 X
K14R62Y	15.8	0.15	K20CH	94.051	357.852	316.111	9.918	0.15094	3.03872	12 X
K14R64G	17.5	0.15	K20CH	38.066	322.879	34.758	13.983	0.28816	3.18135	2 X
K14R65Z	16.3	0.15	K20CH	49.456	253.845	94.027	26.169	0.28574	3.15477	7 X
K14R68G	16.6	0.15	K20CH	35.156	83.783	290.506	11.756	0.09776	3.04066	5 X
K14R71T	16.8	0.15	K20CH	7.004	105.881	307.834	14.627	0.22476	3.17053	5 X
K14R79X	16.5	0.15	K20CH	41.851	117.136	245.003	25.723	0.18732	3.10426	2 X
K14S01Z	16.4	0.15	K20CH	58.072	347.162	345.111	17.459	0.18471	3.15213	4 X
K14S70P	16.6	0.15	K20CH	2.877	38.093	14.678	9.919	0.11428	3.04199	6 X
K14S76U	15.8	0.15	K20CH	190.215	201.916	33.300	11.604	0.03988	2.92058	9 X
K14S78G	16.8	0.15	K20CH	326.732	69.417	33.812	12.348	0.09144	2.94971	7 X
K14S79F	16.2	0.15	K20CH	31.835	274.086	117.559	11.600	0.05700	2.97767	10 X
K14SB9H	16.0	0.15	K20CH	146.361	244.360	15.466	10.126	0.06636	3.13129	10 X
K14SC4M	17.1	0.15	K20CH	9.047	34.839	14.304	16.744	0.20135	3.15883	2 X
K14SC5B	16.1	0.15	K20CH	305.235	92.847	43.393	5.917	0.15034	3.05818	11 X
K14SE0V	16.2	0.15	K20CH	23.676	55.191	300.795	26.717	0.22940	3.20689	5 X
K14SG3P	16.1	0.15	K20CH	63.610	282.427	69.056	6.114	0.13632	3.11776	13 X
K14SG5X	16.6	0.15	K20CH	59.128	75.107	255.246	7.518	0.23671	3.17553	5 X
K14SG5Y	16.0	0.15	K20CH	117.105	52.727	245.251	9.151	0.04191	3.09201	12 X
K14SG6W	16.7	0.15	K20CH	32.184	47.638	335.088	9.903	0.13817	3.15199	6 X
K14SG9F	17.1	0.15	K20CH	351.173	174.154	254.103	16.886	0.19319	3.11032	2 X
K14SG9R	16.5	0.15	K20CH	43.812	112.325	241.656	14.570	0.19191	3.13405	5 X
K14SH0M	16.5	0.15	K20CH	45.090	132.687	240.421	15.538	0.10743	3.05417	6 X
K14SH6L	17.1	0.15	K20CH	36.970	326.728	37.018	5.478	0.25258	3.16092	4 X
K14SI0H	17.1	0.15	K20CH	353.301	30.475	43.167	5.781	0.12215	3.09332	7 X
K14SI2R	16.6	0.15	K20CH	58.858	332.902	17.716	14.750	0.18030	3.09153	5 X
K14SI4K	16.4	0.15	K20CH	12.917	27.083	22.560	14.723	0.11308	3.08743	8 X
K14SM1G	16.1	0.15	K20CH	30.675	95.944	260.520	23.932	0.30952	3.18751	4 X
K14SM8F	15.7	0.15	K20CH	267.560	156.811	8.408	15.280	0.18324	3.11544	6 X
K14SN2B	16.2	0.15	K20CH	332.746	46.851	39.143	9.645	0.07784	3.19088	7 X
K14SO4J	16.6	0.15	K20CH	44.701	317.370	58.901	11.005	0.09645	3.06929	7 X
K14SP1P	16.2	0.15	K20CH	2.591	221.799	208.995	16.378	0.20578	3.10977	10 X
K14SP2O	17.2	0.15	K20CH	13.566	180.787	234.234	5.569	0.16395	3.09843	5 X
K14SP3W	16.4	0.15	K20CH	2.141	138.071	286.078	6.435	0.17801	3.13407	10 X
K14SP3Z	16.1	0.15	K20CH	45.833	41.909	332.042	9.271	0.09094	3.09675	9 X
K14SP4T	16.0	0.15	K20CH	291.810	238.020	270.285	5.255	0.06606	3.02566	11 X
K14SQ6E	15.7	0.15	K20CH	139.589	2.593	279.373	9.406	0.04351	3.07170	11 X
K14SQ6H	15.7	0.15	K20CH	354.039	109.168	341.082	26.180	0.17115	3.08860	8 X
K14SS2N	16.4	0.15	K20CH	325.682	77.059	42.364	16.475	0.20925	3.18602	6 X
K14SS3T	15.8	0.15	K20CH	123.424	320.110	327.411	12.818	0.05776	3.09325	10 X
K14ST4Z	16.1	0.15	K20CH	357.155	144.465	284.999	13.065	0.11900	3.03334	9 X
K14ST5K	16.2	0.15	K20CH	34.178	339.168	31.423	15.670	0.25359	3.18784	7 X
K14ST9V	15.8	0.15	K20CH	290.157	280.489	232.307	9.295	0.07169	3.11122	12 X
K14ST9Z	15.8	0.15	K20CH	341.889	85.590	2.293	8.203	0.09928	3.19066	11 X
K14SU5O	16.8	0.15	K20CH	30.626	356.641	22.360	5.221	0.16323	3.19061	6 X
K14SV2K	16.6	0.15	K20CH	60.790	312.276	16.425	14.587	0.28596	3.18630	5 X
K14SV3A	16.4	0.15	K20CH	357.624	29.139	43.372	5.962	0.11501	3.15786	8 X
K14SV3R	16.5	0.15	K20CH	91.378	256.418	55.559	4.807	0.13577	3.17688	9 X
K14SV7W	16.4	0.15	K20CH	34.545	351.941	23.472	11.004	0.20927	3.18014	6 X
K14SV7Y	16.7	0.15	K20CH	12.962	359.632	44.879	1.421	0.15521	3.18504	9 X
K14SW5U	16.1	0.15	K20CH	74.593	33.072	295.343	16.403	0.20055	3.11197	4 X
K14SW6A	16.4	0.15	K20CH	34.899	345.868	27.388	22.946	0.18844	3.20567	7 X
K14SW6D	16.5	0.15	K20CH	12.313	21.486	38.405	9.924	0.06837	3.13427	5 X
K14SW6F	16.4	0.15	K20CH	77.317	142.248	194.500	12.888	0.14732	3.14763	10 X
K14SW8O	16.4	0.15	K20CH	28.253	136.346	246.941	15.830	0.26445	3.17610	5 X
K14SX5O	16.5	0.15	K20CH	111.641	29.061	278.384	2.390	0.03056	3.04430	11 X
K14SX5W	16.6	0.15	K20CH	58.611	275.314	75.536	11.907	0.23040	3.11284	7 X
K14SX9G	16.3	0.15	K20CH	28.163	318.888	81.466	6.156	0.15936	3.16415	8 X
K14SZ5Y	16.4	0.15	K20CH	66.093	287.388	69.708	16.806	0.07419	3.15002	7 X
K14SZ9P	16.5	0.15	K20CH	347.563	33.588	34.955	9.204	0.07124	3.16843	8 X
K14Sa2G	16.7	0.15	K20CH	1.647	10.485	54.488	11.437	0.20211	3.13503	7 X

K14Sa6E	16.6	0.15	K20CH	20.481	352.102	43.479	10.113	0.17288	3.17789	6 X
K14Sc6S	16.9	0.15	K20CH	307.005	288.102	203.159	12.723	0.07290	3.08299	6 X
K14Sc7J	16.4	0.15	K20CH	7.274	359.880	49.808	33.111	0.07687	3.20634	2 X
K14Sc7S	16.9	0.15	K20CH	14.918	348.038	53.075	20.372	0.22593	3.19344	2 X
K14Sc8A	16.9	0.15	K20CH	8.772	21.156	22.661	17.033	0.20111	3.18618	2 X
K14Sc9C	17.9	0.15	K20CH	53.707	50.281	332.540	10.841	0.14860	3.02478	2 V
K14T01U	16.8	0.15	K20CH	59.100	352.908	4.786	1.007	0.13419	3.15347	7 X
K14T02L	15.9	0.15	K20CH	79.757	22.138	308.736	9.684	0.06998	3.13747	11 X
K14T07A	16.6	0.15	K20CH	7.900	10.972	52.903	5.689	0.18556	3.17839	8 X
K14T07B	15.6	0.15	K20CH	302.931	292.195	202.764	17.438	0.07676	3.15173	11 X
K14T07U	16.5	0.15	K20CH	55.001	291.964	59.976	5.036	0.22405	3.19210	5 X
K14T15D	16.2	0.15	K20CH	319.469	145.965	318.169	9.017	0.10570	3.18007	8 X
K14T15L	16.4	0.15	K20CH	19.684	97.771	300.867	5.907	0.14709	3.18953	8 X
K14T15R	16.6	0.15	K20CH	41.807	19.901	347.951	9.866	0.09992	3.20974	4 X
K14T21O	16.9	0.15	K20CH	5.165	17.796	47.287	1.656	0.19519	3.19134	9 X
K14T23X	16.8	0.15	K20CH	64.219	81.836	266.322	10.033	0.19332	3.08877	7 X
K14T30E	16.4	0.15	K20CH	116.184	123.987	188.627	14.636	0.08255	3.10955	12 X
K14T34J	17.7	0.15	K20CH	339.938	186.723	270.165	23.043	0.28687	2.12107	4 X
K14T38M	17.0	0.15	K20CH	28.010	231.865	160.717	0.840	0.20802	3.14236	6 X
K14T67K	16.4	0.15	K20CH	88.022	321.073	354.897	11.888	0.13238	3.15729	9 X
K14T77K	16.6	0.15	K20CH	347.234	269.111	208.485	19.690	0.38687	3.14622	5 X
K14T79V	16.2	0.15	K20CH	37.437	28.103	351.499	11.033	0.06926	3.15712	8 X
K14T88B	15.9	0.15	K20CH	144.946	289.181	335.961	10.163	0.11736	3.14839	12 X
K14T90P	16.3	0.15	K20CH	50.698	108.076	257.085	7.629	0.08175	3.18139	8 X
K14T90T	15.9	0.15	K20CH	253.858	300.106	247.411	10.509	0.07361	3.11830	9 X
K14T96L	16.9	0.15	K20CH	347.519	256.058	213.903	23.417	0.29086	3.11300	5 X
K14U02Q	16.8	0.15	K20CH	41.275	104.653	259.268	8.618	0.23501	3.19262	4 X
K14U03B	15.9	0.15	K20CH	85.631	70.846	252.338	9.834	0.09904	3.20026	8 X
K14U05H	16.6	0.15	K20CH	10.185	21.065	28.852	9.102	0.05674	3.18285	8 X
K14U13R	16.9	0.15	K20CH	35.021	140.826	240.971	9.256	0.19789	3.21569	5 X
K14U15S	16.5	0.15	K20CH	116.584	62.206	242.147	12.258	0.09359	3.13729	7 X
K14U15U	16.3	0.15	K20CH	35.736	134.895	249.991	9.021	0.21099	3.16960	6 X
K14U18Y	16.1	0.15	K20CH	89.668	258.305	65.313	6.284	0.17738	3.19836	12 X
K14U24K	16.5	0.15	K20CH	45.096	312.162	63.444	19.974	0.12702	3.21840	2 X
K14U30W	16.0	0.15	K20CH	265.648	124.448	34.007	11.232	0.07048	3.20591	8 X
K14U31Y	15.9	0.15	K20CH	321.125	94.567	23.933	25.807	0.22341	3.20665	7 X
K14U38U	17.1	0.15	K20CH	31.776	242.334	145.455	1.836	0.16954	3.16754	3 X
K14U63G	16.5	0.15	K20CH	88.053	311.394	16.585	8.052	0.07199	3.13066	8 X
K14U68M	16.1	0.15	K20CH	64.122	287.676	49.466	26.379	0.21106	3.19906	6 X
K14U98R	16.3	0.15	K20CH	0.601	351.186	77.414	11.379	0.05115	3.22691	6 X
K14UA1Y	16.0	0.15	K20CH	172.774	188.409	61.687	10.955	0.05863	3.19207	8 X
K14UA3D	16.6	0.15	K20CH	48.159	317.487	50.661	1.628	0.18548	3.12975	8 X
K14UA8F	16.5	0.15	K20CH	1.685	16.552	42.179	11.468	0.20942	3.21791	5 X
K14UB2O	16.0	0.15	K20CH	64.006	291.485	56.571	15.495	0.12282	3.15638	8 X
K14UB6R	19.8	0.15	K20CH	39.296	286.855	5.935	6.573	0.72747	2.06865	6 X
K14UC2S	15.9	0.15	K20CH	328.638	210.633	263.563	13.603	0.13411	3.16667	6 X
K14UC8V	15.8	0.15	K20CH	163.632	54.494	213.677	20.951	0.03399	3.16320	9 X
K14UC9Q	16.4	0.15	K20CH	337.598	238.235	222.988	20.259	0.05221	3.13713	6 X
K14UD8L	16.5	0.15	K20CH	313.779	226.674	254.053	7.914	0.06261	3.17390	8 X
K14UE1B	16.2	0.15	K20CH	69.193	309.313	29.272	17.606	0.15337	3.21565	7 X
K14UF2U	16.5	0.15	K20CH	25.091	342.830	55.999	11.922	0.22120	3.17550	5 X
K14UG7E	16.8	0.15	K20CH	345.439	30.770	64.036	10.631	0.19693	3.19952	5 X
K14UG8T	15.9	0.15	K20CH	51.455	112.926	257.962	11.317	0.05417	3.24102	7 X
K14UH0V	15.9	0.15	K20CH	73.827	92.582	251.065	15.789	0.17059	3.14379	8 X
K14UH2E	16.1	0.15	K20CH	102.377	232.400	87.181	13.535	0.14456	3.16353	8 X
K14UH7D	16.6	0.15	K20CH	352.924	33.235	40.602	27.598	0.16384	3.21612	4 X
K14UH7E	16.4	0.15	K20CH	29.330	347.732	46.664	12.546	0.04172	3.18958	8 X
K14UH9M	15.8	0.15	K20CH	70.112	286.274	39.312	23.754	0.16963	3.21223	6 X
K14UI4P	16.4	0.15	K20CH	32.709	126.276	253.998	7.086	0.10329	3.18924	8 X
K14UJ4Z	16.1	0.15	K20CH	100.383	253.965	41.725	15.333	0.19316	3.17719	5 X
K14UK0Y	17.1	0.15	K20CH	354.610	102.108	46.870	24.251	0.46940	3.12071	4 X
K14UK1U	16.7	0.15	K20CH	359.929	9.758	55.572	12.176	0.14118	3.19273	4 X
K14UK5V	16.5	0.15	K20CH	11.334	36.340	12.979	5.375	0.11942	3.19084	9 X
K14UK7R	16.3	0.15	K20CH	357.039	258.832	192.743	15.957	0.15559	3.12766	8 X
K14UK8U	16.6	0.15	K20CH	33.392	114.448	269.255	11.385	0.21349	3.23656	5 X
K14UL1G	16.5	0.15	K20CH	33.369	130.589	248.397	6.160	0.14666	3.11940	8 X
K14UL1P	16.1	0.15	K20CH	48.685	331.171	25.198	18.584	0.18181	3.10760	7 X
K14UL1V	16.0	0.15	K20CH	359.893	10.950	49.301	16.094	0.26025	3.18615	5 X
K14UL2Y	16.6	0.15	K20CH	353.013	297.511	147.886	18.142	0.22724	3.15029	5 X
K14UL3A	17.0	0.15	K20CH	11.998	245.345	171.264	14.908	0.25284	3.17277	3 X
K14UL4C	16.3	0.15	K20CH	74.608	260.132	60.023	25.840	0.25630	3.15544	6 X
K14UL4E	16.1	0.15	K20CH	61.439	280.058	71.963	19.341	0.17451	3.16008	9 X
K14UL7F	16.0	0.15	K20CH	22.721	110.950	295.347	8.404	0.07410	3.03006	9 X
K14UL7G	16.1	0.15	K20CH	73.567	86.003	251.989	8.767	0.15268	3.05366	12 X
K14UL9B	16.7	0.15	K20CH	21.117	94.725	296.266	12.054	0.28047	3.20868	3 X
K14UL9W	16.3	0.15	K20CH	82.576	83.260	238.944	25.181	0.15009	3.17640	5 X
K14UM1F	16.8	0.15	K20CH	0.615	172.145	247.375	10.489	0.18236	3.20836	4 X
K14UM7M	16.5	0.15	K20CH	64.984	271.565	59.760	26.260	0.24648	3.19292	2 X
K14UN2X	16.5	0.15	K20CH	19.798	172.991	234.650	7.860	0.07529	3.16649	8 X
K14UN5L	17.1	0.15	K20CH	340.419	42.157	49.447	11.600	0.16613	3.20430	4 X
K14UO2T	16.5	0.15	K20CH	32.151	256.499	122.180	10.974	0.21646	3.16341	6 X
K14UP9U	16.8	0.15	K20CH	56.628	107.072	260.779	8.743	0.09071	3.18249	5 X
K14UQ1E	16.5	0.15	K20CH	10.790	107.321	270.569	24.569	0.24652	3.22379	4 X
K14V01V	17.0	0.15	K20CH	35.191	277.796	72.533	24.242	0.43167	3.18519	4 X
K14V03Q	15.7	0.15	K20CH	149.300	355.708	273.477	8.183	0.04921	3.16365	14 X
K14V13E	16.1	0.15	K20CH	41.736	312.073	57.024	25.825	0.24779	3.20413	2 X
K14V18O	16.7	0.15	K20CH	4.506	34.452	19.508	16.810	0.20657	3.18311	4 X
K14V24G	17.4	0.15	K20CH	131.295	108.378	82.686	9.067	0.11778	2.35274	10 V
K14W02V	15.5	0.15	K20CH	333.516	56.983	59.493	20.272	0.15517	3.20816	10 X
K14W43U	15.6	0.15	K20CH	42.336	316.727	59.986	18.843	0.13931	3.22541	10 X
K14W66V	16.2	0.15	K20CH	84.991	285.945	47.335	9.589	0.09143	3.18845	8 X
K14WA4W	16.5	0.15	K20CH	358.952	32.861	33.394	15.938	0.13417	3.15838	5 X
K14WA7T	15.9	0.15	K20CH	51.455	344.363	16.274	9.383	0.04615	3.22851	9 X
K14WB2Y	15.8	0.15	K20CH	83.363	41.566	273.926	9.966	0.14060	3.11203	11 X

K14WB4G	16.1	0.15	K20CH	47.737	33.687	318.793	15.456	0.11791	3.16132	7 X
K14WB4K	16.6	0.15	K20CH	13.380	142.928	258.078	15.867	0.21173	3.15358	7 X
K14WB6F	15.6	0.15	K20CH	68.620	317.468	38.074	11.505	0.10522	3.10642	10 X
K14WB7D	16.1	0.15	K20CH	354.965	33.824	34.754	11.514	0.07616	3.15541	7 X
K14WG7L	16.2	0.15	K20CH	25.423	342.065	56.007	16.699	0.24417	3.19030	5 X
K14WH2U	15.5	0.15	K20CH	37.030	322.101	70.654	11.412	0.05894	2.98871	10 X
K14WH4G	16.9	0.15	K20CH	342.583	72.074	25.195	15.471	0.21225	3.16153	4 X
K14WI2O	16.0	0.15	K20CH	326.202	55.956	46.189	9.389	0.00764	3.10566	10 X
K14WM8O	18.4	0.15	K20CH	85.294	315.195	1.724	1.273	0.17367	2.08795	10 X
K14WN7O	15.8	0.15	K20CH	174.365	359.339	251.222	17.241	0.11397	3.08513	10 X
K14WO2M	17.2	0.15	K20CH	27.070	88.877	297.170	9.747	0.28061	3.10636	3 X
K14WO2Q	16.5	0.15	K20CH	68.089	69.367	268.502	9.039	0.09809	3.05641	8 X
K14WO2S	16.1	0.15	K20CH	18.277	140.860	248.701	8.846	0.09683	3.08952	8 X
K14WO4O	16.6	0.15	K20CH	75.365	89.642	243.588	7.912	0.13043	3.04110	8 X
K14WO5O	16.7	0.15	K20CH	15.515	7.265	45.591	13.200	0.22905	3.11662	3 X
K14WO8H	16.4	0.15	K20CH	359.808	25.464	39.801	16.608	0.19025	3.16597	7 X
K14WPOW	16.4	0.15	K20CH	359.621	17.632	44.972	17.124	0.17981	3.14564	6 X
K14WT9N	16.8	0.15	K20CH	14.848	18.843	21.768	17.591	0.26151	3.11692	3 X
K14WV3S	15.7	0.15	K20CH	29.782	240.473	156.432	11.203	0.05506	3.13086	13 X
K14WV6W	16.0	0.15	K20CH	356.577	7.809	72.854	18.522	0.18416	3.15862	9 X
K14WW4N	16.4	0.15	K20CH	110.489	175.592	138.654	10.019	0.04429	3.20351	11 X
K14WW5K	16.1	0.15	K20CH	12.981	247.975	163.822	11.004	0.13162	3.24055	9 X
K14WY6E	16.1	0.15	K20CH	39.803	120.788	268.203	12.952	0.06432	3.21131	8 X
K14WZ9V	16.3	0.15	K20CH	92.114	156.648	164.698	13.431	0.15576	3.14673	6 X
K14Wj3W	16.0	0.15	K20CH	34.610	34.643	357.063	11.815	0.07290	3.18683	7 X
K14wo7B	15.7	0.15	K20CH	356.189	10.443	53.191	27.631	0.13396	3.19751	5 X
K14Ww4H	17.6	0.15	K20CH	84.997	359.137	116.724	15.037	0.03456	2.71241	3 V
K14Ww4J	17.5	0.15	K20CH	39.535	206.302	232.454	10.000	0.08035	3.06222	2 V
K14Ww4K	17.1	0.15	K20CH	54.557	102.634	308.507	11.729	0.19041	3.08654	2 V
K14X09J	16.0	0.15	K20CH	56.164	102.428	258.775	12.113	0.12474	3.23995	8 X
K14X16V	16.3	0.15	K20CH	26.058	127.668	258.482	8.584	0.09134	3.39321	5 X
K14Y83G	18.9	0.15	K20CH	53.235	322.037	29.245	2.297	0.20536	2.15575	2 X
K15AJ5V	18.3	0.15	K20CH	50.462	294.389	73.937	3.889	0.14724	2.15934	5 V
K15AN3Y	18.3	0.15	K20CH	33.078	214.308	178.224	7.567	0.07119	2.18838	8 X
K15AT0C	17.9	0.15	K20CH	66.198	1.368	288.044	6.494	0.11824	2.33227	8 V
K15BQ6P	16.3	0.15	K20CH	115.385	176.927	125.232	17.839	0.18062	3.15833	11 X
K15BF5C	18.3	0.15	K20CH	49.928	358.168	1.805	3.122	0.14373	2.21817	7 X
K15Bj0S	18.9	0.15	K20CH	342.370	112.956	331.716	6.995	0.12945	2.18948	3 X
K15Bj6A	18.0	0.15	K20CH	72.263	334.481	18.391	2.558	0.09029	2.19995	9 X
K15B18M	18.3	0.15	K20CH	54.835	104.480	250.240	3.868	0.18636	2.19049	6 X
K15Bm7P	18.3	0.15	K20CH	43.562	97.371	286.833	4.462	0.12287	2.16000	8 X
K15C25V	18.5	0.15	K20CH	320.130	120.129	351.999	4.352	0.12625	2.20760	8 X
K15C75C	16.7	0.15	K20CH	209.152	222.491	114.738	10.571	0.03430	3.03242	4 V
K15D69A	17.6	0.15	K20CH	101.121	204.587	105.743	3.430	0.18778	2.27831	9 X
K15D94Y	18.2	0.15	K20CH	56.936	261.175	96.507	5.994	0.20729	2.23497	7 X
K15DK6G	18.7	0.15	K20CH	291.018	80.491	71.872	3.606	0.15025	2.23918	5 X
K15DK8U	17.1	0.15	K20CH	96.423	237.309	75.838	8.718	0.18568	2.42847	8 X
K15DL9A	18.0	0.15	K20CH	322.281	204.228	262.418	6.115	0.10283	2.24372	7 X
K15DM2E	17.6	0.15	K20CH	190.303	230.095	357.924	2.720	0.11284	2.28703	8 X
K15DP0N	18.0	0.15	K20CH	5.879	324.154	59.751	7.314	0.22617	2.29611	7 X
K15DP0X	18.7	0.15	K20CH	6.267	26.700	31.236	8.040	0.13563	2.19746	5 X
K15DR4P	19.0	0.15	K20CH	2.273	63.458	3.735	5.238	0.10157	2.23797	5 X
K15E06D	18.3	0.15	K20CH	345.006	32.344	50.298	4.307	0.10980	2.21086	7 X
K15E77Q	18.1	0.15	K20CH	9.457	13.362	39.010	25.224	0.19521	2.23544	2 X
K15F75X	16.7	0.15	K20CH	33.270	305.307	28.852	31.667	0.24043	2.60180	6 X
K15FJ7S	18.1	0.15	K20CH	341.092	158.204	290.775	5.458	0.10438	2.22213	9 X
K15FJ9P	17.5	0.15	K20CH	78.988	359.697	325.226	6.247	0.13454	2.34037	8 X
K15FK9F	17.5	0.15	K20CH	112.695	55.937	247.075	6.311	0.11902	2.31807	7 X
K15FQ3S	17.8	0.15	K20CH	350.417	41.840	38.575	5.124	0.10257	2.20792	7 X
K15FV6T	18.6	0.15	K20CH	332.630	39.348	67.881	5.232	0.09039	2.23217	5 X
K15FY0B	16.8	0.15	K20CH	148.846	16.112	262.658	12.877	0.09716	2.35336	10 X
K15Fa3U	18.6	0.15	K20CH	0.304	98.244	328.467	5.697	0.12136	2.18362	6 X
K15Fb4G	17.2	0.15	K20CH	103.104	279.098	32.781	6.649	0.11713	2.39194	12 X
K15Fe8J	17.4	0.15	K20CH	272.157	101.137	64.819	6.838	0.05238	2.32363	11 X
K15Ff4Y	17.8	0.15	K20CH	44.568	317.031	55.053	4.447	0.21409	2.32318	8 X
K15Fh8O	17.9	0.15	K20CH	63.298	315.087	27.129	16.429	0.15219	2.40217	6 X
K15G39K	17.5	0.15	K20CH	330.994	334.703	131.548	8.292	0.08555	2.24480	10 X
K15G61P	17.8	0.15	K20CH	25.477	335.856	14.267	1.840	0.20390	2.47541	5 X
K15H41U	17.1	0.15	K20CH	118.858	227.016	66.788	5.987	0.23386	2.39900	11 X
K15H46D	18.1	0.15	K20CH	69.421	296.910	64.700	10.586	0.04670	2.28586	6 X
K15H54M	16.7	0.15	K20CH	25.091	200.460	169.085	17.064	0.25870	2.59268	10 X
K15H58O	16.6	0.15	K20CH	52.050	304.029	39.731	29.287	0.22142	2.54548	7 X
K15H59B	17.3	0.15	K20CH	302.002	219.353	268.645	6.210	0.04498	2.34883	8 X
K15H59W	17.5	0.15	K20CH	88.301	311.953	6.891	5.547	0.09746	2.44467	10 X
K15H75R	17.4	0.15	K20CH	52.130	300.045	41.081	13.395	0.31151	2.53399	6 X
K15HG3H	17.6	0.15	K20CH	118.060	250.909	53.338	7.751	0.10342	2.37872	8 X
K15HH1W	16.9	0.15	K20CH	177.951	337.941	269.896	6.015	0.09613	2.29317	11 X
K15HH3P	17.8	0.15	K20CH	256.496	275.688	267.393	2.632	0.12627	2.26919	9 X
K15HH4U	17.8	0.15	K20CH	195.600	251.174	344.398	4.113	0.10999	2.31754	8 X
K15HL1P	17.8	0.15	K20CH	52.062	354.178	344.941	5.644	0.30586	2.55834	5 X
K15J05X	16.6	0.15	K20CH	91.845	4.340	297.708	7.457	0.22355	2.53489	10 X
K15J06E	17.1	0.15	K20CH	59.085	311.947	27.638	13.801	0.27404	2.54585	4 X
K15J16P	17.0	0.15	K20CH	50.668	324.587	36.890	13.347	0.23739	2.52548	5 X
K15K05K	17.1	0.15	K20CH	114.532	41.011	264.643	6.967	0.11495	2.36660	10 X
K15K06Z	17.6	0.15	K20CH	334.316	117.730	337.011	6.339	0.06098	2.32452	8 X
K15K27M	17.5	0.15	K20CH	78.821	7.084	334.447	3.959	0.04816	2.37374	13 X
K15K30D	17.4	0.15	K20CH	255.294	127.281	48.949	7.379	0.05208	2.32530	8 X
K15K39G	18.1	0.15	K20CH	280.167	241.224	276.574	2.098	0.10255	2.32020	7 X
K15K50U	17.4	0.15	K20CH	37.781	317.747	64.533	8.727	0.08008	2.43864	10 X
K15KA7Q	17.5	0.15	K20CH	53.387	277.532	73.820	29.676	0.30139	2.58796	3 X
K15KC1B	17.4	0.15	K20CH	57.313	13.907	309.824	12.522	0.29941	2.57569	5 X
K15KE4D	17.0	0.15	K20CH	52.619	271.496	80.251	4.977	0.31461	2.56512	6 X
K15KF3F	16.7	0.15	K20CH	100.940	263.776	33.356	14.378	0.25599	2.54164	6 X
K15KH2L	17.3	0.15	K20CH	33.627	296.824	96.429	7.197	0.13787	2.42311	7 X

K15L11W	16.6	0.15	K20CH	82.236	274.461	64.412	13.734	0.11746	2.55450	8 X
K15L14D	16.8	0.15	K20CH	54.843	72.372	261.192	18.413	0.32151	2.77901	7 X
K15L15F	16.7	0.15	K20CH	139.074	21.843	253.819	12.890	0.19790	2.47831	12 X
K15L15O	17.4	0.15	K20CH	70.152	74.405	249.218	12.368	0.21263	2.60078	6 X
K15L18E	17.3	0.15	K20CH	250.146	310.632	235.964	6.879	0.04682	2.38233	10 X
K15L39V	16.3	0.15	K20CH	34.198	258.771	117.950	14.377	0.22605	2.69258	11 X
K15L39Y	17.7	0.15	K20CH	60.216	153.254	178.145	10.461	0.32336	2.72266	4 X
K15M03N	17.6	0.15	K20CH	83.569	278.623	52.989	11.458	0.11740	2.56263	3 X
K15M04P	17.1	0.15	K20CH	80.616	63.074	259.985	10.807	0.14574	2.61830	6 X
K15M07O	17.7	0.15	K20CH	75.542	50.305	277.676	8.167	0.20908	2.64411	5 X
K15M08S	16.1	0.15	K20CH	93.106	310.951	273.705	12.891	0.07545	2.97115	11 X
K15M12Z	16.7	0.15	K20CH	306.393	156.512	295.533	21.574	0.03848	2.59109	6 X
K15M15O	16.7	0.15	K20CH	7.841	160.590	254.195	11.051	0.10895	2.60141	7 X
K15M26J	17.8	0.15	K20CH	49.500	102.184	262.815	5.444	0.16116	2.45137	7 X
K15M27X	17.8	0.15	K20CH	40.413	100.464	281.903	7.474	0.17175	2.41449	4 X
K15M46E	17.1	0.15	K20CH	86.212	355.398	323.098	9.344	0.12422	2.65403	6 X
K15M60O	17.0	0.15	K20CH	91.466	265.179	43.578	13.448	0.20355	2.54841	7 X
K15M67T	16.5	0.15	K20CH	7.127	133.574	272.261	21.446	0.07377	2.59248	6 X
K15M77G	16.5	0.15	K20CH	50.389	108.484	260.587	13.537	0.13070	2.59732	6 X
K15M80S	17.3	0.15	K20CH	56.673	59.463	279.671	10.454	0.20082	2.69011	5 X
K15M83K	17.3	0.15	K20CH	64.825	89.502	265.562	9.605	0.14924	2.60816	7 X
K15M89Z	16.7	0.15	K20CH	127.255	17.352	258.804	14.085	0.15264	2.67870	8 X
K15M91C	16.1	0.15	K20CH	336.847	133.538	233.626	14.643	0.12090	3.11054	6 V
K15MC4S	17.7	0.15	K20CH	79.815	195.966	140.745	13.553	0.17264	2.62271	4 X
K15MD6S	17.6	0.15	K20CH	39.347	66.712	316.489	3.404	0.18266	2.60915	7 X
K15MD6W	17.0	0.15	K20CH	356.681	158.334	265.019	12.670	0.14407	2.63625	6 X
K15MD8L	17.0	0.15	K20CH	10.932	149.024	254.628	9.850	0.12260	2.61315	6 X
K15MD8V	17.3	0.15	K20CH	10.812	129.079	280.661	12.323	0.18422	2.63049	6 X
K15ME4A	18.1	0.15	K20CH	19.281	129.550	271.436	9.084	0.10275	2.60359	4 X
K15ME4H	17.5	0.15	K20CH	69.947	143.773	198.780	12.026	0.14536	2.63016	7 X
K15ME4U	16.6	0.15	K20CH	120.330	24.768	259.084	12.928	0.11552	2.63608	4 X
K15ME4Y	17.4	0.15	K20CH	58.059	71.736	281.843	4.903	0.16503	2.68256	6 X
K15ME7Y	17.3	0.15	K20CH	35.645	90.886	292.565	12.972	0.09376	2.67024	5 X
K15ME8B	16.8	0.15	K20CH	256.631	246.489	292.992	11.140	0.11844	2.54692	8 X
K15MH5M	17.2	0.15	K20CH	24.320	75.287	314.379	14.491	0.07306	2.56184	3 V
K15N04X	17.0	0.15	K20CH	78.811	100.719	244.027	5.764	0.12556	2.56295	9 X
K15N12X	16.3	0.15	K20CH	17.315	143.100	257.873	13.268	0.10526	2.59081	8 X
K15N23J	17.4	0.15	K20CH	23.071	148.094	257.023	12.685	0.18996	2.62890	4 X
K15N26V	16.7	0.15	K20CH	19.646	115.246	288.569	13.339	0.11123	2.61068	8 X
K15N27D	16.9	0.15	K20CH	261.077	194.763	337.643	10.478	0.07430	2.56940	9 X
K15N30B	16.9	0.15	K20CH	66.083	22.714	312.958	8.444	0.19114	2.55496	5 X
K15O03E	16.7	0.15	K20CH	124.389	174.539	119.356	14.513	0.17537	2.57912	10 X
K15O05V	17.1	0.15	K20CH	340.379	197.426	248.073	11.331	0.13316	2.58057	7 X
K15O10C	17.4	0.15	K20CH	40.367	341.632	31.013	2.434	0.10580	2.62674	8 X
K15O23B	16.6	0.15	K20CH	154.582	99.272	173.958	10.553	0.14939	2.51651	13 X
K15O28Y	17.0	0.15	K20CH	15.371	272.012	141.852	12.006	0.13874	2.67489	8 X
K15O29Z	17.1	0.15	K20CH	78.946	185.021	164.159	14.709	0.12198	2.66735	8 X
K15O35C	17.1	0.15	K20CH	356.994	154.345	273.705	12.727	0.23202	2.69724	6 X
K15O38K	16.5	0.15	K20CH	143.357	321.331	306.692	12.722	0.15235	2.61374	8 X
K15O38V	17.7	0.15	K20CH	70.211	55.244	290.889	5.435	0.16757	2.67148	4 X
K15O39Y	17.1	0.15	K20CH	48.988	218.599	148.244	11.574	0.20626	2.69492	9 X
K15O53N	16.9	0.15	K20CH	246.345	180.031	2.020	12.239	0.05660	2.55515	6 X
K15O56L	16.8	0.15	K20CH	15.232	348.187	67.121	15.419	0.08269	2.60850	7 X
K15O67Z	16.9	0.15	K20CH	315.042	181.627	287.927	12.584	0.10337	2.55491	8 X
K15O74K	17.5	0.15	K20CH	83.627	191.004	138.014	2.994	0.19796	2.68206	6 X
K15O76F	16.9	0.15	K20CH	37.582	206.635	176.103	3.067	0.20709	2.76092	9 X
K15O83T	17.7	0.15	K20CH	37.741	60.372	312.113	11.048	0.19747	2.73380	3 X
K15O89S	17.6	0.15	K20CH	100.833	190.019	133.565	13.885	0.04256	2.63937	8 X
K15O91R	17.3	0.15	K20CH	3.427	270.152	163.724	14.589	0.14817	2.56537	8 X
K15O93Z	17.5	0.15	K20CH	26.966	74.174	315.158	5.860	0.15690	2.69958	6 X
K15O94Z	17.3	0.15	K20CH	41.264	88.864	285.128	12.668	0.11816	2.64482	7 X
K15O96U	17.5	0.15	K20CH	31.368	262.522	136.692	2.678	0.08921	2.72261	7 X
K15O99G	17.6	0.15	K20CH	10.261	59.118	354.280	5.746	0.19020	2.63987	7 X
K15OA0G	17.2	0.15	K20CH	330.500	132.335	323.372	12.236	0.13177	2.72752	7 X
K15OA2R	17.0	0.15	K20CH	55.149	41.487	302.857	12.210	0.15978	2.88109	6 X
K15OA6T	16.8	0.15	K20CH	250.930	263.043	269.386	14.188	0.06381	2.60564	5 X
K15OA6Y	17.5	0.15	K20CH	22.887	283.762	125.790	17.845	0.20987	2.61286	3 X
K15OA7J	17.5	0.15	K20CH	322.865	176.840	300.007	10.576	0.15647	2.65740	3 X
K15OA7X	18.0	0.15	K20CH	10.724	293.087	120.550	13.882	0.19720	2.68735	3 X
K15OD8P	18.5	0.15	K20CH	76.367	98.313	307.899	11.710	0.27141	2.58535	2 V
K15OD8Q	18.5	0.15	K20CH	78.674	79.260	313.616	10.868	0.26138	2.60806	2 V
K15OD8R	18.4	0.15	K20CH	10.873	125.993	331.228	3.958	0.05014	2.41069	2 V
K15P01E	17.7	0.15	K20CH	51.845	37.573	297.878	7.233	0.26799	2.73468	5 X
K15P06R	16.8	0.15	K20CH	97.372	16.587	272.415	12.376	0.25297	2.58104	8 X
K15P06T	17.2	0.15	K20CH	52.942	65.047	270.998	11.457	0.28614	2.64292	5 X
K15P32Y	16.9	0.15	K20CH	192.134	314.932	266.793	13.758	0.03325	2.65093	7 X
K15P33B	16.8	0.15	K20CH	92.322	83.210	245.346	13.111	0.05294	2.64311	8 X
K15P51G	16.6	0.15	K20CH	199.556	173.811	67.195	12.935	0.08387	2.52738	10 X
K15P58F	16.6	0.15	K20CH	24.053	140.655	255.156	12.604	0.07398	2.68187	7 X
K15P62C	16.5	0.15	K20CH	73.524	12.716	308.028	13.071	0.15511	2.80853	5 X
K15PB7D	17.4	0.15	K20CH	82.770	288.566	55.058	3.731	0.07443	2.56911	14 X
K15PD6N	17.4	0.15	K20CH	316.513	146.929	330.518	8.609	0.08206	2.55514	3 X
K15PE3L	17.6	0.15	K20CH	44.643	329.543	30.067	5.381	0.17847	2.70043	3 X
K15PF7G	16.9	0.15	K20CH	244.327	200.775	336.763	14.182	0.10124	2.56754	7 X
K15PH6A	17.8	0.15	K20CH	25.496	5.176	26.568	5.698	0.27007	2.72683	4 X
K15PK2U	17.2	0.15	K20CH	12.422	56.620	344.328	9.080	0.17129	2.71903	7 X
K15PL3J	17.3	0.15	K20CH	332.380	251.782	213.747	14.697	0.12103	2.61072	7 X
K15PL5A	16.6	0.15	K20CH	348.893	185.498	247.551	11.859	0.12808	2.69420	6 X
K15PL5D	17.0	0.15	K20CH	69.910	96.225	250.448	10.602	0.13556	2.67015	6 X
K15PL7F	17.1	0.15	K20CH	43.374	118.624	261.915	12.827	0.10351	2.67414	6 X
K15PL8Y	16.4	0.15	K20CH	193.651	318.454	275.111	10.566	0.12068	2.57657	12 X
K15PM2J	17.1	0.15	K20CH	262.086	276.341	260.835	11.964	0.11606	2.58594	6 X
K15PNOA	16.9	0.15	K20CH	70.129	56.811	270.225	7.243	0.21711	2.74468	9 X
K15PNOF	17.0	0.15	K20CH	358.447	146.120	283.276	12.557	0.14905	2.61039	7 X

K15PN1W	16.3	0.15	K20CH	205.060	322.122	263.228	24.887	0.09977	2.39750	8 X
K15PP5K	17.7	0.15	K20CH	54.231	148.006	225.414	1.657	0.06553	2.54501	9 X
K15PS9J	15.9	0.15	K20CH	17.520	324.006	25.693	13.110	0.14437	2.91746	10 X
K15PT5B	18.0	0.15	K20CH	20.882	354.308	38.382	6.585	0.26951	2.79483	3 X
K15PU9J	17.0	0.15	K20CH	49.728	3.048	357.395	10.866	0.19679	2.72169	6 X
K15PV6O	16.8	0.15	K20CH	105.140	36.941	260.352	11.652	0.17968	2.63971	7 X
K15PV6T	17.4	0.15	K20CH	39.776	339.380	39.628	5.930	0.12721	2.70959	7 X
K15Q00M	16.9	0.15	K20CH	0.439	108.057	322.470	12.347	0.20265	2.73775	6 X
K15Q04U	16.8	0.15	K20CH	29.640	65.697	318.427	11.871	0.04480	2.67914	8 X
K15Q12U	17.4	0.15	K20CH	57.835	113.044	251.017	5.033	0.03770	2.69885	8 X
K15Q13B	17.3	0.15	K20CH	32.968	32.706	348.208	12.932	0.20323	2.72787	4 X
K15Q13V	17.9	0.15	K20CH	25.914	194.804	207.841	0.136	0.10584	2.65460	9 X
K15Q15O	17.3	0.15	K20CH	2.780	104.128	317.777	12.255	0.17583	2.68364	6 X
K15Q16T	17.1	0.15	K20CH	2.132	78.829	341.339	8.443	0.11868	2.73191	8 X
K15Q18U	16.9	0.15	K20CH	71.075	200.963	157.132	15.446	0.15025	2.77188	8 X
K15Q19L	16.8	0.15	K20CH	333.197	109.569	331.185	23.753	0.16370	2.73556	4 X
K15Q19Q	17.2	0.15	K20CH	106.924	251.356	69.278	6.976	0.06585	2.75131	5 X
K15Q19Y	18.1	0.15	K20CH	15.715	224.390	176.041	9.908	0.30310	2.80014	4 X
K15Q22R	17.4	0.15	K20CH	8.182	276.275	148.442	10.563	0.09270	2.77277	5 X
K15R00T	17.2	0.15	K20CH	23.122	41.093	349.403	8.736	0.19101	2.76100	5 X
K15R01P	16.6	0.15	K20CH	8.920	182.444	236.553	8.268	0.13944	2.75629	9 X
K15R03R	17.2	0.15	K20CH	15.158	291.961	119.616	11.110	0.16887	2.58730	6 X
K15R08N	17.4	0.15	K20CH	33.574	107.737	274.462	5.773	0.12756	2.66066	6 X
K15R15R	17.8	0.15	K20CH	41.131	92.703	265.593	2.913	0.21674	2.75180	6 X
K15R16W	16.9	0.15	K20CH	42.484	108.827	274.305	5.378	0.02340	2.70294	9 X
K15R21M	17.3	0.15	K20CH	349.220	309.227	144.900	15.421	0.12158	2.54530	5 X
K15R31S	16.9	0.15	K20CH	54.673	181.733	176.802	12.107	0.16939	2.72081	8 X
K15R33F	16.7	0.15	K20CH	332.433	351.099	113.622	16.361	0.04393	2.74037	9 X
K15R51M	17.5	0.15	K20CH	309.000	166.186	308.219	4.920	0.03815	2.73085	8 X
K15R53T	17.5	0.15	K20CH	27.790	145.675	255.772	3.090	0.11191	2.72733	7 X
K15R69W	17.0	0.15	K20CH	41.905	1.000	5.928	4.175	0.07988	2.79719	8 X
K15R92V	16.6	0.15	K20CH	338.212	198.039	260.625	8.286	0.04721	2.61677	10 X
K15RA0W	16.9	0.15	K20CH	86.297	66.425	257.510	4.938	0.14395	2.71213	8 X
K15RA6X	16.7	0.15	K20CH	107.301	102.701	218.099	1.257	0.07799	2.65632	14 X
K15RB7Y	16.7	0.15	K20CH	29.052	138.083	250.893	12.082	0.17176	2.69374	8 X
K15RB9Z	16.7	0.15	K20CH	59.592	241.311	110.460	14.701	0.16949	2.72151	8 X
K15RH3K	18.3	0.15	K20CH	330.234	88.422	23.299	7.998	0.27028	2.72499	5 X
K15RI8H	17.0	0.15	K20CH	335.590	218.996	243.720	14.356	0.14353	2.57931	9 X
K15RI8W	17.1	0.15	K20CH	23.905	146.944	247.576	12.338	0.16689	2.67997	4 X
K15RI9H	17.0	0.15	K20CH	5.071	140.250	279.343	14.294	0.17050	2.66725	6 X
K15RK2S	17.4	0.15	K20CH	346.386	283.623	165.984	8.459	0.18317	2.79824	7 X
K15RL2O	16.9	0.15	K20CH	85.878	344.707	330.823	13.650	0.11412	2.68545	7 X
K15RM2K	17.6	0.15	K20CH	36.339	359.173	18.649	9.274	0.14251	2.80606	2 V
K15RN7T	16.5	0.15	K20CH	60.498	289.635	61.964	15.635	0.16234	2.85373	5 X
K15RN9Y	16.7	0.15	K20CH	90.955	219.941	101.096	16.862	0.14640	2.85498	5 X
K15R07E	19.1	0.15	K20CH	10.543	353.915	68.514	23.769	0.07029	1.82062	2 X
K15RR1S	17.3	0.15	K20CH	333.715	299.298	173.473	11.564	0.14861	2.68197	8 X
K15RS4N	18.1	0.15	K20CH	30.447	195.733	188.570	9.712	0.26032	2.80709	3 X
K15RW1H	19.3	0.15	K20CH	306.798	75.664	48.309	21.790	0.07470	1.81444	2 X
K15S09H	17.2	0.15	K20CH	325.639	290.221	193.122	16.723	0.12311	2.63728	7 X
K15S14O	17.6	0.15	K20CH	326.528	158.667	311.307	3.016	0.05964	2.68066	7 X
K15S21R	19.2	0.15	K20CH	353.119	227.635	217.856	16.153	0.12822	1.84400	3 X
K15S27N	17.2	0.15	K20CH	60.918	297.098	67.702	7.291	0.05384	2.74099	6 X
K15S29B	17.0	0.15	K20CH	353.539	120.270	315.985	3.429	0.16690	2.92536	8 X
K15S29O	16.8	0.15	K20CH	12.241	118.571	282.367	10.059	0.14220	2.98848	7 X
K15S29V	16.5	0.15	K20CH	350.779	31.291	42.993	12.015	0.04431	2.97567	5 X
K15S30S	17.3	0.15	K20CH	25.828	12.253	28.179	10.104	0.18265	2.73900	6 X
K15T03B	17.2	0.15	K20CH	63.082	128.302	240.853	5.432	0.03127	2.73272	8 X
K15T05H	17.1	0.15	K20CH	30.089	24.256	347.641	9.203	0.21921	2.72760	8 X
K15T27A	16.9	0.15	K20CH	50.503	84.479	292.843	5.268	0.03575	2.73217	8 X
K15T27N	16.9	0.15	K20CH	22.993	283.646	119.907	10.299	0.08636	2.67712	11 X
K15T36O	17.0	0.15	K20CH	13.006	336.311	75.314	11.061	0.22334	2.75711	4 X
K15T39G	16.9	0.15	K20CH	11.124	351.320	67.272	11.239	0.21842	2.74802	5 X
K15T48W	17.2	0.15	K20CH	19.902	165.190	236.798	3.930	0.10178	2.73305	8 X
K15T57P	16.3	0.15	K20CH	237.946	202.014	347.563	11.630	0.01623	2.69385	11 X
K15T61D	17.5	0.15	K20CH	341.334	192.976	253.796	4.580	0.01385	2.70054	5 X
K15T65S	16.9	0.15	K20CH	348.871	193.862	249.621	4.712	0.05432	2.84089	11 X
K15T67J	18.1	0.15	K20CH	13.293	166.207	238.866	7.735	0.32355	2.88374	3 X
K15TA0P	17.2	0.15	K20CH	30.753	161.763	226.940	3.523	0.16187	2.86727	8 X
K15TE8Z	17.3	0.15	K20CH	48.993	61.034	302.391	1.824	0.15382	2.78009	7 X
K15TG3C	16.8	0.15	K20CH	153.817	341.909	292.284	10.267	0.05811	2.53502	8 X
K15TG6T	17.2	0.15	K20CH	138.663	130.498	163.741	14.574	0.04981	2.53750	8 X
K15TJ1C	16.8	0.15	K20CH	83.297	287.417	18.597	13.746	0.22541	2.78954	6 X
K15TJ1J	17.1	0.15	K20CH	10.341	19.281	26.786	9.428	0.19601	2.81381	6 X
K15TJ7M	17.2	0.15	K20CH	45.933	159.278	210.478	18.216	0.27710	2.78765	5 X
K15TK6J	16.2	0.15	K20CH	341.451	125.801	38.678	32.253	0.20721	2.59747	8 X
K15TL1S	17.0	0.15	K20CH	28.116	97.464	308.443	4.469	0.03493	2.68782	9 X
K15TL3M	17.5	0.15	K20CH	2.680	189.296	247.012	2.399	0.08867	2.71044	9 X
K15TM4V	17.3	0.15	K20CH	62.031	329.153	27.383	6.721	0.06564	2.76616	7 X
K15TM8S	16.5	0.15	K20CH	192.684	137.179	102.091	18.502	0.15303	2.73272	10 X
K15TN9C	16.0	0.15	K20CH	49.345	110.141	236.986	28.867	0.20436	2.77183	8 X
K15TO1P	17.0	0.15	K20CH	57.494	39.290	307.941	3.811	0.15816	2.80455	9 X
K15TO5S	17.2	0.15	K20CH	102.864	2.841	303.450	2.597	0.08461	2.76504	7 X
K15TP8E	17.0	0.15	K20CH	60.213	82.493	267.203	7.863	0.23098	2.77196	7 X
K15TP9C	16.4	0.15	K20CH	66.780	47.571	303.784	5.466	0.07221	2.78160	12 X
K15TQ4F	16.9	0.15	K20CH	209.424	334.593	245.906	5.995	0.08483	2.67515	10 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
K15TS7H	16.5	0.15	K20CH	4.985	162.252	265.110	11.574	0.09224	2.75735	7 X
K15TS7P	16.9	0.15	K20CH	106.982	41.937	258.520	12.024	0.19825	2.75977	3 X
K15TS8B	16.3	0.15	K20CH	315.012	200.209	261.628	5.752	0.03564	2.78154	11 X
K15TT3K	17.6	0.15	K20CH	20.648	22.062	30.881	3.166	0.06678	2.71104	8 X
K15TT8S	16.1	0.15	K20CH	135.003	357.962	288.702	10.558	0.07275	2.79222	10 X
K15TU1R	16.8	0.15	K20CH	25.306	152.799	189.977	15.056	0.25969	3.00204	6 X

K15TU2F	17.4	0.15	K20CH	99.232	154.604	167.134	12.948	0.17246	2.74053	6 X
K15TV3Q	17.6	0.15	K20CH	26.739	99.535	302.073	3.040	0.10552	2.76894	7 X
K15TV8X	16.8	0.15	K20CH	43.021	78.748	306.681	2.847	0.10836	2.77855	12 X
K15TW0G	18.0	0.15	K20CH	357.414	18.042	61.763	1.836	0.15812	2.78575	5 X
K15TW1X	15.3	0.15	K20CH	39.335	34.016	272.022	28.604	0.25105	3.16775	3 X
K15TX9Y	16.5	0.15	K20CH	326.609	73.902	22.370	22.345	0.06084	2.67150	8 X
K15TY1P	17.3	0.15	K20CH	29.712	318.499	74.436	17.283	0.15520	2.71189	3 X
K15TY6F	16.9	0.15	K20CH	44.841	185.787	194.413	14.001	0.10968	2.79043	7 X
K15Tb0K	17.7	0.15	K20CH	5.106	123.907	300.236	2.740	0.09001	2.75738	4 X
K15Tb6L	16.7	0.15	K20CH	73.823	296.674	35.275	9.955	0.07927	2.96168	6 X
K15Tb7X	17.2	0.15	K20CH	342.113	248.065	205.421	11.634	0.10668	2.72034	7 X
K15Tc4S	17.2	0.15	K20CH	47.967	303.363	75.479	9.839	0.08304	2.81153	5 X
K15Tc7A	16.7	0.15	K20CH	71.521	1.778	347.834	3.992	0.08118	2.78858	11 X
K15Th3H	18.5	0.15	K20CH	85.795	49.698	93.212	6.766	0.06186	2.25628	2 V
K15Th3J	17.7	0.15	K20CH	149.981	209.203	131.609	7.058	0.10359	2.57327	2 V
K15Th3K	17.6	0.15	K20CH	40.910	114.366	348.148	11.266	0.14787	2.59514	2 V
K15U09G	17.0	0.15	K20CH	288.992	92.120	49.467	5.647	0.03575	2.74401	9 X
K15U61P	16.9	0.15	K20CH	4.089	194.195	233.425	4.641	0.15035	2.74413	9 X
K15U74S	16.2	0.15	K20CH	24.601	115.306	272.710	10.373	0.12877	2.87637	11 X
K15U93S	16.5	0.15	K20CH	40.690	302.220	6.866	15.281	0.24995	3.09395	4 X
K15UA1O	17.7	0.15	K20CH	337.283	246.664	172.769	8.747	0.20582	2.97719	2 V
K15UA1P	17.7	0.15	K20CH	313.058	250.087	190.078	12.484	0.16077	3.04468	2 V
K15V05N	16.8	0.15	K20CH	28.546	316.420	70.270	16.413	0.19916	2.83490	7 X
K15V17J	16.6	0.15	K20CH	108.559	280.582	10.457	8.900	0.14154	2.80599	5 X
K15V21O	18.0	0.15	K20CH	14.195	255.142	156.921	1.765	0.21927	2.80435	5 X
K15V35C	17.0	0.15	K20CH	3.220	25.563	346.648	6.872	0.23763	3.08770	4 X
K15V40O	16.6	0.15	K20CH	59.641	270.161	96.693	7.600	0.09367	2.81785	10 X
K15V43K	17.7	0.15	K20CH	49.540	33.701	318.173	8.895	0.22377	2.74541	3 X
K15V60U	16.6	0.15	K20CH	325.129	55.521	40.418	11.088	0.08710	2.83124	11 X
K15V63T	16.3	0.15	K20CH	62.286	12.833	329.510	10.764	0.12397	2.87892	9 X
K15V66A	19.3	0.15	K20CH	69.748	276.981	74.620	24.670	0.14659	1.82422	2 X
K15V75B	16.6	0.15	K20CH	142.647	343.054	287.060	13.411	0.17399	2.68849	5 X
K15V81X	17.1	0.15	K20CH	63.364	273.627	79.719	5.485	0.16763	2.81613	8 X
K15VB0S	16.9	0.15	K20CH	0.538	206.674	174.085	3.502	0.20677	3.03467	7 X
K15VB6E	16.1	0.15	K20CH	88.350	71.653	254.782	11.950	0.09412	2.85096	9 X
K15VD1X	16.4	0.15	K20CH	14.161	330.249	87.109	10.150	0.06943	2.77267	9 X
K15VD1Z	17.0	0.15	K20CH	37.364	337.247	49.564	6.698	0.11542	2.80313	9 X
K15VD4H	18.8	0.15	K20CH	23.365	339.863	64.690	21.618	0.03222	1.83132	4 X
K15VD5F	16.8	0.15	K20CH	22.393	350.685	58.744	11.603	0.13533	2.86722	9 X
K15VD5K	19.1	0.15	K20CH	38.704	323.213	55.956	23.614	0.10721	1.84920	3 X
K15VD8H	16.5	0.15	K20CH	6.738	51.591	10.409	10.433	0.13485	2.86509	9 X
K15VFOE	18.8	0.15	K20CH	259.969	96.397	80.281	23.357	0.05816	1.83214	4 X
K15VFIH	16.4	0.15	K20CH	325.218	32.295	74.002	5.679	0.08491	3.05765	11 X
K15VF4Z	17.6	0.15	K20CH	33.277	29.376	332.429	1.448	0.28720	2.99595	4 X
K15VG3C	16.9	0.15	K20CH	334.519	224.289	242.135	13.982	0.10561	2.85588	8 X
K15VJ5O	16.7	0.15	K20CH	16.305	14.009	20.947	11.063	0.10039	2.98097	5 X
K15VJ7L	18.4	0.15	K20CH	167.251	96.667	320.229	6.448	0.08930	2.28181	2 V
K15VJ7M	18.8	0.15	K20CH	88.172	66.697	66.701	6.204	0.17725	2.34647	2 V
K15VJ7N	19.0	0.15	K20CH	138.030	174.947	258.244	6.133	0.17847	2.35176	2 V
K15VJ7O	18.6	0.15	K20CH	142.152	215.082	271.602	3.475	0.09352	2.19302	2 V
K15VJ7P	19.1	0.15	K20CH	108.938	38.966	327.316	8.251	0.24356	2.55715	2 V
K15VJ7Q	18.5	0.15	K20CH	138.792	99.012	245.718	12.284	0.20002	2.55084	2 V
K15VJ7R	17.5	0.15	K20CH	16.941	211.786	276.886	14.582	0.21100	2.73576	2 V
K15W01V	17.3	0.15	K20CH	349.931	127.464	320.377	23.642	0.56740	3.01471	6 X
K15W02W	16.2	0.15	K20CH	321.690	80.021	355.210	12.890	0.27103	3.21133	8 X
K15W05Y	16.5	0.15	K20CH	146.020	237.905	36.635	12.669	0.00779	2.93409	8 X
K15W09V	16.5	0.15	K20CH	21.405	128.801	249.821	13.356	0.27492	2.98427	5 X
K15W14J	16.4	0.15	K20CH	17.838	298.818	51.315	7.621	0.25234	3.10045	7 X
K15W15X	19.2	0.15	K20CH	345.327	200.097	257.976	20.457	0.10906	1.84532	5 X
K15W18R	16.0	0.15	K20CH	333.473	172.983	288.885	19.567	0.12596	3.12713	6 X
K15W27Y	16.8	0.15	K20CH	11.612	25.699	15.050	10.688	0.11935	2.97013	8 X
K15W32O	18.8	0.15	K20CH	89.546	28.485	345.714	13.237	0.27331	2.60962	2 V
K15X10W	15.7	0.15	K20CH	98.871	57.294	251.409	17.592	0.04418	3.02044	5 X
K15X11L	16.9	0.15	K20CH	27.063	245.975	142.326	11.497	0.20774	2.78441	7 X
K15X12P	16.4	0.15	K20CH	60.514	308.762	42.946	25.932	0.14520	2.74275	6 X
K15X54T	18.9	0.15	K20CH	48.789	302.400	73.527	26.826	0.11513	1.84810	3 X
K15X78D	16.9	0.15	K20CH	26.651	275.634	121.105	12.259	0.06042	2.95139	6 X
K15X85G	16.4	0.15	K20CH	315.754	323.105	155.887	10.671	0.06810	2.96966	8 X
K15X85H	16.5	0.15	K20CH	31.015	232.332	157.565	10.517	0.11379	2.96742	11 X
K15X86Q	17.1	0.15	K20CH	4.245	20.209	47.779	12.014	0.23202	3.04344	2 X
K15X87F	15.3	0.15	K20CH	220.844	134.573	77.436	10.408	0.04418	3.16176	12 X
K15X87R	15.6	0.15	K20CH	209.942	234.508	337.984	12.937	0.05972	3.17104	9 X
K15XC2Z	16.2	0.15	K20CH	70.300	208.352	137.098	17.822	0.20456	2.92144	9 X
K15XD0Z	16.2	0.15	K20CH	281.122	273.756	236.341	9.578	0.06696	2.97521	8 X
K15XE4W	16.6	0.15	K20CH	167.049	17.214	247.797	10.198	0.05598	2.90720	9 X
K15XF3L	15.8	0.15	K20CH	67.795	284.624	76.054	12.747	0.04957	3.05624	9 X
K15XF3P	16.4	0.15	K20CH	0.083	123.676	301.370	8.549	0.08991	3.08472	7 X
K15XF7X	16.5	0.15	K20CH	106.397	32.427	269.422	14.313	0.13281	2.83989	5 X
K15XH1X	16.2	0.15	K20CH	264.730	267.713	253.920	8.600	0.06583	3.02031	8 X
K15XI5O	17.1	0.15	K20CH	344.143	258.478	192.741	10.392	0.12788	2.94820	7 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
K15XK0S	15.3	0.15	K20CH	200.251	317.996	255.838	9.462	0.02317	3.01074	12 X
K15XK9P	17.1	0.15	K20CH	69.735	297.871	60.897	2.947	0.08178	2.90177	11 X
K15XL7S	17.0	0.15	K20CH	9.804	251.644	164.672	1.189	0.12756	2.94566	10 X
K15XM1O	16.3	0.15	K20CH	313.387	237.095	239.370	9.290	0.07216	2.96826	8 X
K15XO5S	16.7	0.15	K20CH	335.375	208.974	259.688	13.588	0.20183	3.13390	5 X
K15XQ6Z	16.0	0.15	K20CH	215.332	297.717	263.345	8.296	0.02971	3.03056	10 X
K15XV0M	16.0	0.15	K20CH	73.135	270.329	70.091	12.653	0.12166	2.98236	10 X
K15XV2H	15.8	0.15	K20CH	212.852	328.223	246.396	9.764	0.06649	3.02766	12 X
K15XX4K	16.5	0.15	K20CH	167.182	357.189	252.971	8.940	0.01070	3.08018	8 X
K15XX6H	16.0	0.15	K20CH	242.213	280.745	252.307	13.014	0.02703	3.12708	10 X
K15XX8T	16.5	0.15	K20CH	341.217	181.986	261.579	10.542	0.17553	3.03500	7 X
K15XY3G	16.0	0.15	K20CH	313.216	239.499	242.532	8.864	0.03176	2.96574	7 X

K15XY3J	16.0	0.15	K20CH	319.119	217.562	250.036	16.158	0.13550	3.03960	7 X
K15XY9Q	16.0	0.15	K20CH	283.529	249.403	262.483	15.022	0.09485	3.03431	7 X
K15XZ5S	16.4	0.15	K20CH	42.663	95.559	268.026	11.094	0.11956	3.02530	6 X
K15XZ8E	19.2	0.15	K20CH	62.944	140.278	228.787	20.636	0.05380	1.82992	5 X
K15Xa0X	16.9	0.15	K20CH	0.760	322.334	105.383	12.194	0.09102	2.90943	6 X
K15Xa2G	16.5	0.15	K20CH	83.552	294.776	45.131	9.671	0.09819	2.95151	7 X
K15Xa4R	16.7	0.15	K20CH	16.115	1.119	47.071	7.321	0.18514	2.96597	6 X
K15Xa8T	16.1	0.15	K20CH	62.822	66.776	276.903	9.190	0.07782	3.08438	9 X
K15Xb1J	16.3	0.15	K20CH	94.606	30.784	283.529	8.509	0.14385	3.03667	6 X
K15Xb6L	16.7	0.15	K20CH	340.034	168.253	271.234	12.563	0.07342	3.03463	7 X
K15Xc0C	16.2	0.15	K20CH	347.274	96.636	338.035	14.584	0.24404	3.08810	10 X
K15Xc2G	15.8	0.15	K20CH	332.153	183.413	268.016	18.164	0.07513	3.03181	8 X
K15Xc3O	16.0	0.15	K20CH	335.647	156.969	282.224	24.911	0.27880	3.14364	4 X
K15Xc5O	18.9	0.15	K20CH	16.958	148.845	265.010	17.933	0.11015	1.90414	4 X
K15Xc7Q	18.7	0.15	K20CH	344.672	164.164	274.760	17.812	0.08925	1.95261	5 X
K15Xd4S	16.8	0.15	K20CH	353.508	261.291	192.144	15.268	0.22854	3.18354	7 X
K15Xd5W	16.3	0.15	K20CH	330.321	116.895	337.025	14.835	0.14844	3.13833	7 X
K15Xe0R	17.2	0.15	K20CH	0.189	16.314	47.520	14.087	0.26557	3.06612	4 X
K15Xe0Y	16.3	0.15	K20CH	294.802	247.551	246.482	9.314	0.08048	3.04903	8 X
K15Xe2B	16.4	0.15	K20CH	159.480	333.870	279.463	8.794	0.06466	3.12290	9 X
K15Xe2T	16.3	0.15	K20CH	337.380	74.596	13.346	9.539	0.05926	3.14736	9 X
K15Xe6G	16.1	0.15	K20CH	323.257	69.773	47.297	11.320	0.08812	3.09729	10 X
K15Xe7W	16.5	0.15	K20CH	29.194	337.925	58.560	8.240	0.01588	2.96955	8 X
K15Xf2K	16.8	0.15	K20CH	348.199	228.815	221.360	19.191	0.06935	3.15081	5 X
K15Xf3G	17.4	0.15	K20CH	9.077	16.314	33.712	7.533	0.20245	2.98255	5 X
K15Xf6K	16.3	0.15	K20CH	290.362	245.534	267.539	12.361	0.22070	3.06131	5 X
K15Xf7O	16.8	0.15	K20CH	321.660	293.426	201.404	16.010	0.21412	3.15142	6 X
K15Xg0Q	16.6	0.15	K20CH	3.763	166.457	254.634	9.029	0.18550	3.00771	7 X
K15Xh0P	18.8	0.15	K20CH	277.764	280.008	247.081	19.338	0.07691	1.85803	3 X
K15Xj1P	17.3	0.15	K20CH	348.698	23.403	57.987	10.666	0.17995	2.98151	3 X
K15Xj6B	18.0	0.15	K20CH	11.550	342.969	57.161	13.287	0.32479	3.01563	2 X
K15Xj8Q	18.6	0.15	K20CH	124.130	50.940	38.588	8.446	0.17312	2.37657	2 V
K15Xj8R	18.3	0.15	K20CH	88.770	206.233	326.621	6.576	0.20790	2.31495	2 V
K15Xj8S	18.8	0.15	K20CH	51.267	237.093	2.607	4.671	0.11230	2.16364	2 V
K15Xj8T	14.5	0.15	K20CH	246.635	260.165	95.401	29.881	0.02298	5.28341	2 V
K15Xj8U	19.1	0.15	K20CH	103.615	113.244	69.499	5.187	0.06027	2.16868	2 V
K15Xj8V	18.5	0.15	K20CH	46.208	316.624	248.490	7.384	0.08356	2.27568	2 V
K15Xj8W	18.2	0.15	K20CH	125.580	267.688	84.173	6.856	0.05100	2.66772	2 V
K15Xj8X	17.3	0.15	K20CH	59.933	199.477	249.158	14.542	0.11128	2.83494	2 V
K15Xj8Y	17.6	0.15	K20CH	63.506	204.757	215.975	8.473	0.15383	2.78615	2 V
K15Xj8Z	18.2	0.15	K20CH	95.078	102.868	274.918	10.948	0.22982	2.69836	2 V
K15Xj9A	18.4	0.15	K20CH	99.171	122.196	238.006	1.349	0.19148	2.72545	2 V
K15Y04V	18.9	0.15	K20CH	29.445	138.818	249.876	16.096	0.12007	1.85143	4 X
K15Y05B	15.7	0.15	K20CH	138.373	10.999	257.893	15.939	0.06661	3.06346	9 X
K15Y05O	16.0	0.15	K20CH	318.123	188.638	262.985	29.004	0.23339	3.14103	5 X
K15Y07F	16.0	0.15	K20CH	163.273	31.083	235.197	10.442	0.00777	3.00554	12 X
K15Y08J	16.6	0.15	K20CH	337.412	196.897	263.928	6.998	0.17170	3.07294	4 X
K15Y16S	16.5	0.15	K20CH	341.263	49.921	32.717	10.982	0.14679	3.14485	7 X
K15Y16W	16.5	0.15	K20CH	357.180	71.085	355.848	16.163	0.10836	3.12962	8 X
K15Y18K	16.6	0.15	K20CH	333.795	186.174	265.650	6.954	0.14009	3.13343	5 X
K15Y20D	18.3	0.15	K20CH	1.583	170.925	256.841	19.499	0.07754	1.85472	2 X
K15Y24G	17.8	0.15	K20CH	359.871	339.153	94.305	3.008	0.25275	3.02726	6 X
K15Y24L	16.5	0.15	K20CH	307.493	243.654	251.193	9.101	0.26237	3.15460	5 X
K15Y26F	16.4	0.15	K20CH	358.900	128.178	288.016	15.276	0.21532	3.13833	5 X
K16A00F	16.4	0.15	K20CH	328.607	211.953	272.208	10.666	0.23037	3.03285	6 X
K16A04N	16.5	0.15	K20CH	7.324	352.203	71.964	7.356	0.22430	3.00448	6 X
K16A05M	16.8	0.15	K20CH	349.034	114.177	321.193	8.014	0.20300	3.08450	8 X
K16A06Q	16.5	0.15	K20CH	33.084	94.935	290.044	14.369	0.10703	3.09709	7 X
K16A08S	18.2	0.15	K20CH	52.366	94.910	274.671	17.482	0.13383	1.87939	2 X
K16A18Z	15.9	0.15	K20CH	313.514	12.421	111.884	15.718	0.10184	3.09010	11 X
K16A34M	17.1	0.15	K20CH	354.818	20.922	51.439	0.250	0.16619	3.07560	8 X
K16A34N	15.8	0.15	K20CH	169.036	313.484	294.783	6.682	0.02174	3.21484	10 X
K16A36Z	15.8	0.15	K20CH	296.930	210.935	294.576	16.412	0.17585	3.14479	7 X
K16A40C	16.0	0.15	K20CH	349.955	140.191	288.606	9.887	0.04370	3.15348	9 X
K16A43F	16.6	0.15	K20CH	335.633	194.637	269.994	8.648	0.06703	3.05494	8 X
K16A50R	16.3	0.15	K20CH	345.860	331.997	111.352	12.040	0.05844	3.13114	9 X
K16A52E	16.7	0.15	K20CH	11.102	116.141	295.238	8.774	0.17671	3.08326	8 X
K16A53H	16.9	0.15	K20CH	18.745	329.747	75.061	3.197	0.17256	3.07651	9 X
K16A54Y	16.8	0.15	K20CH	45.341	209.847	172.689	1.930	0.05289	3.13482	9 X
K16A57D	16.3	0.15	K20CH	341.162	169.923	278.408	9.669	0.04271	3.15135	8 X
K16A62X	16.4	0.15	K20CH	338.340	176.051	264.991	8.174	0.06170	3.15321	7 X
K16A66V	16.3	0.15	K20CH	339.283	173.013	271.027	10.378	0.06777	3.15647	9 X
K16A67R	16.1	0.15	K20CH	347.778	150.024	268.115	26.135	0.10477	3.15114	5 X
K16A67W	16.4	0.15	K20CH	41.676	125.232	261.575	8.935	0.10609	2.99220	7 X
K16A71F	16.3	0.15	K20CH	310.831	210.546	282.025	14.003	0.15119	3.05094	7 X
K16A71K	16.9	0.15	K20CH	345.300	21.371	59.765	0.436	0.12707	3.07485	10 X
K16A73A	17.7	0.15	K20CH	344.841	310.690	157.178	14.479	0.25226	3.04770	4 X
K16A75P	15.7	0.15	K20CH	0.079	284.211	148.816	17.056	0.23733	3.13292	12 X
K16A85D	16.8	0.15	K20CH	35.870	98.359	271.702	11.106	0.07538	3.05396	5 X
K16A85L	16.4	0.15	K20CH	43.738	99.522	265.968	10.291	0.07503	3.03788	6 X
K16A87K	17.0	0.15	K20CH	332.470	205.815	250.014	11.282	0.13367	3.00581	6 X
K16A89S	16.5	0.15	K20CH	301.418	212.173	268.917	8.945	0.08973	3.06631	7 X
K16AA1R	16.4	0.15	K20CH	21.103	294.938	109.101	18.211	0.21141	3.11089	6 X
K16AA2P	16.0	0.15	K20CH	359.335	328.415	115.924	29.194	0.10959	3.11201	3 X
K16AB0W	16.9	0.15	K20CH	329.226	20.211	94.755	2.588	0.15056	3.15986	5 X
K16AB3R	17.0	0.15	K20CH	346.659	105.772	316.035	29.356	0.29497	3.20373	2 X
K16AB5A	16.4	0.15	K20CH	6.612	99.413	314.263	8.697	0.21559	3.14366	7 X
K16AB8K	16.9	0.15	K20CH	341.699	136.946	310.783	13.602	0.26051	3.17907	6 X
K16AB8U	17.0	0.15	K20CH	12.960	88.835	316.907	12.005	0.28753	3.17247	5 X
K16AD2Y	16.1	0.15	K20CH	195.348	13.825	226.052	28.282	0.14646	3.08857	6 X
K16AD5U	16.2	0.15	K20CH	9.739	248.159	168.755	11.412	0.07528	3.15245	8 X
K16AD7K	16.0	0.15	K20CH	355.842	176.856	253.799	12.229	0.04231	3.20409	7 X
K16AD9O	17.1	0.15	K20CH	22.562	151.749	252.538	10.030	0.17462	3.11313	5 X
K16AE0S	16.6	0.15	K20CH	349.405	204.529	235.053	8.956	0.10411	3.18260	6 X

K16AE4C	16.5	0.15	K20CH	21.999	126.030	251.834	12.697	0.27672	3.21536	5 X
K16AF3L	17.0	0.15	K20CH	333.630	228.633	241.694	13.985	0.15170	3.10842	5 X
K16AG3L	16.9	0.15	K20CH	332.366	216.245	250.646	11.279	0.13890	3.18996	3 X
K16AH0D	16.7	0.15	K20CH	353.854	275.241	168.863	15.320	0.09559	3.10703	8 X
K16AI5H	16.3	0.15	K20CH	2.910	313.134	113.936	17.207	0.21932	3.10906	7 X
K16AI8E	16.8	0.15	K20CH	13.132	289.625	126.575	12.035	0.09112	2.91096	9 X
K16AJ5P	18.6	0.15	K20CH	293.218	55.933	95.390	23.115	0.07014	1.91586	4 X
K16AK2Z	17.0	0.15	K20CH	353.962	137.703	300.223	9.210	0.11783	3.14997	4 X
K16AK7Z	16.7	0.15	K20CH	333.281	164.371	299.233	9.399	0.18773	3.13812	4 X
K16AM0F	16.1	0.15	K20CH	287.057	241.560	250.997	10.490	0.09441	3.23598	10 X
K16AM8T	16.4	0.15	K20CH	311.978	335.948	149.971	10.510	0.07741	3.18939	7 X
K16AN3Q	16.2	0.15	K20CH	271.187	103.896	65.921	17.919	0.14789	3.16266	8 X
K16AN4H	16.5	0.15	K20CH	33.296	266.175	123.549	18.445	0.16001	3.09903	6 X
K16AN5Q	16.4	0.15	K20CH	316.511	110.654	20.257	13.895	0.13593	3.14120	7 X
K16AO9P	16.6	0.15	K20CH	45.230	96.979	269.371	9.690	0.14927	3.19006	4 X
K16AP8Q	17.1	0.15	K20CH	2.910	24.901	45.520	3.208	0.11525	3.14439	4 X
K16AU4K	16.9	0.15	K20CH	336.473	34.280	68.434	13.153	0.19054	3.03119	4 X
K16AW2X	16.8	0.15	K20CH	10.957	146.298	253.227	10.441	0.09268	3.05454	5 X
K16AW4H	17.6	0.15	K20CH	352.902	98.286	331.295	11.852	0.28347	3.16661	2 X
K16AW5C	18.6	0.15	K20CH	23.912	70.070	162.842	1.305	0.15093	2.37321	2 V
K16AW5D	18.8	0.15	K20CH	144.629	306.704	113.806	13.787	0.19530	2.40424	2 V
K16AW5E	18.2	0.15	K20CH	98.100	259.512	132.799	5.760	0.13449	2.72300	2 V
K16AW5F	18.1	0.15	K20CH	103.210	259.650	140.501	4.473	0.13858	2.68792	2 V
K16AW5G	18.4	0.15	K20CH	98.386	216.478	193.860	9.488	0.18454	2.68442	2 V
K16AW5H	17.4	0.15	K20CH	67.993	309.127	86.455	3.535	0.06192	2.88268	2 V
K16B04Y	16.5	0.15	K20CH	343.408	327.526	127.039	12.656	0.09412	3.14814	8 X
K16B12Z	16.6	0.15	K20CH	350.483	143.343	304.950	13.766	0.21623	3.06738	5 X
K16B14Z	18.4	0.15	K20CH	355.360	32.210	137.359	31.310	0.66748	2.85253	2 X
K16B17P	17.0	0.15	K20CH	7.655	104.903	305.812	5.840	0.26506	3.08595	6 X
K16B17X	16.8	0.15	K20CH	326.739	163.866	305.757	9.677	0.18949	3.13761	4 X
K16B21M	17.3	0.15	K20CH	339.444	144.025	308.863	9.392	0.19245	3.14838	4 X
K16B28L	16.7	0.15	K20CH	318.726	16.096	110.724	18.576	0.16958	3.12531	2 X
K16B31W	16.7	0.15	K20CH	299.720	97.213	59.717	10.509	0.19052	3.13712	6 X
K16B36H	16.2	0.15	K20CH	312.151	17.498	123.442	17.867	0.20969	3.15832	8 X
K16B48X	16.1	0.15	K20CH	1.146	308.091	125.815	18.124	0.13679	3.17174	8 X
K16B49D	16.9	0.15	K20CH	13.194	69.040	333.683	11.506	0.18457	3.20554	5 X
K16B49V	16.1	0.15	K20CH	326.957	153.587	299.420	11.463	0.04986	3.23665	9 X
K16B50N	16.3	0.15	K20CH	344.804	148.522	294.256	8.503	0.06252	3.15992	6 X
K16B67J	15.6	0.15	K20CH	82.104	28.813	309.238	8.564	0.01795	3.40611	9 X
K16B70B	16.8	0.15	K20CH	329.612	27.865	84.427	2.224	0.13991	3.15981	7 X
K16B76G	16.7	0.15	K20CH	351.876	321.882	119.122	12.129	0.19747	3.17002	5 X
K16B92A	16.7	0.15	K20CH	7.040	265.996	151.302	12.007	0.10650	3.23374	6 X
K16BB8T	16.8	0.15	K20CH	10.269	354.097	52.183	18.654	0.19872	3.13426	2 X
K16BB9J	18.7	0.15	K20CH	36.066	144.961	110.462	8.609	0.13137	2.30433	2 V
K16BB9K	18.9	0.15	K20CH	113.336	35.243	124.196	3.021	0.10187	2.28545	2 V
K16BB9L	18.2	0.15	K20CH	357.981	232.762	341.616	12.898	0.12224	2.55407	2 V
K16BB9M	18.5	0.15	K20CH	84.350	194.710	343.912	4.718	0.21368	2.37274	2 V
K16BB9N	18.4	0.15	K20CH	122.275	60.164	351.248	10.892	0.25578	2.57567	2 V
K16BB9O	17.2	0.15	K20CH	141.275	243.207	89.580	3.312	0.05729	2.91537	2 V
K16C00G	15.9	0.15	K20CH	348.851	112.846	311.754	15.498	0.10549	3.23151	7 X
K16C37B	16.8	0.15	K20CH	3.553	75.583	318.501	23.224	0.31947	3.23197	3 X
K16C71W	15.9	0.15	K20CH	358.706	7.638	58.008	15.217	0.10244	3.15630	9 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	50.358	10.315	0.21342	3.15592	6 X
K16C95J	16.2	0.15	K20CH	272.438	19.058	165.862	16.186	0.17442	3.19547	9 X
K16CA7D	16.2	0.15	K20CH	51.242	88.443	275.241	8.645	0.09969	3.36992	4 X
K16CD5V	16.9	0.15	K20CH	27.297	324.001	74.954	10.634	0.16199	3.16990	3 X
K16CE6O	17.9	0.15	K20CH	350.875	288.529	158.195	10.124	0.24929	3.11943	3 X
K16CF2E	16.5	0.15	K20CH	9.526	88.267	310.566	14.805	0.19246	3.20993	4 X
K16CG3J	17.3	0.15	K20CH	354.352	137.581	293.320	2.201	0.19371	3.12812	5 X
K16CG6A	15.9	0.15	K20CH	32.005	70.321	310.382	11.979	0.13875	3.22796	10 X
K16CH2Q	16.4	0.15	K20CH	19.912	87.954	308.685	3.494	0.11255	3.24190	8 X
K16CH5O	16.5	0.15	K20CH	30.761	123.564	266.694	15.172	0.19366	3.12730	5 X
K16CH7C	16.4	0.15	K20CH	24.045	151.749	255.464	15.247	0.10285	3.14357	5 X
K16CJ5Y	17.7	0.15	K20CH	341.121	283.736	184.359	14.138	0.26063	3.07514	4 X
K16CL2A	16.0	0.15	K20CH	36.938	229.111	148.254	8.871	0.15635	3.44184	8 X
K16CL2S	15.4	0.15	K20CH	26.070	43.022	337.603	17.302	0.10257	3.55762	10 X
K16CL9N	17.5	0.15	K20CH	347.574	305.642	147.889	9.560	0.26009	3.13117	3 X
K16CN0G	16.4	0.15	K20CH	327.996	62.235	51.178	14.020	0.27247	3.16820	7 X
K16CP5K	17.3	0.15	K20CH	343.435	74.159	17.355	16.296	0.21696	3.09617	3 X
K16CZ9Y	16.0	0.15	K20CH	42.864	40.589	315.707	17.163	0.08640	3.52799	3 X
K16Ca0Q	18.3	0.15	K20CH	6.152	256.721	0.904	5.214	0.17851	2.38380	2 V
K16Ca0R	19.2	0.15	K20CH	54.911	245.208	354.563	2.929	0.14857	2.33513	2 V
K16Ca0S	18.5	0.15	K20CH	35.860	20.883	209.987	6.884	0.13331	2.39768	2 V
K16Ca0T	17.4	0.15	K20CH	312.527	286.157	330.573	12.038	0.05778	2.66010	2 V
K16Ca0U	18.7	0.15	K20CH	97.908	158.448	28.053	5.905	0.09788	2.33381	2 V
K16Ca0V	18.7	0.15	K20CH	96.351	14.452	158.828	6.309	0.08706	2.41009	2 V
K16Ca0W	19.0	0.15	K20CH	103.861	157.908	8.425	8.026	0.09138	2.33264	2 V
K16Ca0X	18.7	0.15	K20CH	69.189	294.173	239.712	3.664	0.08509	2.42406	2 V
K16Ca0Y	17.0	0.15	K20CH	140.063	352.578	327.968	8.140	0.09651	3.14202	2 V
K16D02E	17.9	0.15	K20CH	22.069	152.703	255.597	18.683	0.10220	1.93240	5 X
K16D05F	16.1	0.15	K20CH	7.680	137.021	273.722	8.617	0.21744	3.13750	7 X
K16D27R	15.5	0.15	K20CH	339.703	6.730	103.862	30.824	0.21416	3.13440	7 X
K16D40H	16.7	0.15	K20CH	289.553	229.649	322.438	10.080	0.03157	3.08351	2 V
K16E01X	18.4	0.15	K20CH	53.979	95.578	272.467	17.655	0.11372	1.95022	4 X
K16E38N	15.7	0.15	K20CH	105.833	51.071	249.364	10.520	0.08684	3.44100	7 X
K16E39K	18.2	0.15	K20CH	355.344	115.355	300.601	16.982	0.10109	1.94162	3 X
K16E40G	16.6	0.15	K20CH	350.480	109.557	303.756	23.635	0.40209	3.15789	5 X
K16E85D	17.7	0.15	K20CH	6.757	69.039	1.912	8.807	0.69376	2.98852	3 X
K16E94L	15.9	0.15	K20CH	9.019	7.155	41.435	9.267	0.11238	3.46371	7 X
K16ES2U	18.0	0.15	K20CH	88.050	36.524	86.669	8.139	0.03342	2.62972	2 V
K16ES2V	17.7	0.15	K20CH	22.903	220.304	5.711	12.703	0.11058	2.63714	2 V
K16ES2W	18.4	0.15	K20CH	5.517	256.068	24.012	6.252	0.07952	2.43634	2 V
K16ES2X	16.3	0.15	K20CH	207.546	149.098	257.162	11.787	0.13496	2.55420	3 V



K16ES2Y	17.7	0.15	K20CH	19.774	250.060	335.334	8.550	0.12826	2.62879	2 V
K16ES2Z	18.4	0.15	K20CH	349.565	143.262	149.796	4.011	0.05411	2.35557	2 V
K16ES3A	17.2	0.15	K20CH	339.701	156.454	102.308	13.601	0.22520	2.68574	2 V
K16ES3B	16.9	0.15	K20CH	341.211	276.741	209.767	8.949	0.04163	3.18299	2 V
K16ES3C	16.9	0.15	K20CH	61.145	39.461	20.749	13.545	0.07716	3.02895	2 V
K16F08F	16.0	0.15	K20CH	9.177	76.442	10.791	25.449	0.21576	3.20316	6 X
K16F75H	17.5	0.15	K20CH	191.420	245.547	187.888	14.685	0.09504	2.54692	3 X
K16F75J	17.7	0.15	K20CH	125.057	314.307	150.683	15.769	0.08555	2.56318	2 V
K16F75K	18.1	0.15	K20CH	124.519	131.552	25.776	6.443	0.07062	2.41897	2 V
K16G02F	18.3	0.15	K20CH	223.879	166.503	48.602	21.729	0.03959	2.00114	6 X
K16GP2F	18.3	0.15	K20CH	354.524	233.475	215.874	20.657	0.04343	2.00833	5 X
K16GT0S	17.9	0.15	K20CH	24.850	194.487	51.393	14.168	0.12293	2.62752	2 V
K16GT0T	18.2	0.15	K20CH	48.602	271.132	293.417	4.612	0.10752	2.56632	2 V
K16GT0U	17.6	0.15	K20CH	8.425	137.030	123.828	13.536	0.13491	2.58320	2 V
K16GT0V	18.0	0.15	K20CH	15.040	156.740	112.562	8.640	0.14734	2.57172	2 V
K16GT0W	18.0	0.15	K20CH	115.369	215.479	251.151	3.864	0.05245	2.67939	2 V
K16GT0X	17.9	0.15	K20CH	40.988	75.372	124.988	5.258	0.07399	2.65500	2 V
K16GT0Y	17.5	0.15	K20CH	5.189	62.499	158.380	9.781	0.04665	2.80077	2 V
K16GT0Z	17.8	0.15	K20CH	60.867	147.222	29.506	6.112	0.07673	2.65186	2 V
K16H31B	17.4	0.15	K20CH	358.438	305.775	301.593	8.385	0.17932	2.73334	2 V
K16J33U	20.8	0.15	K20CH	332.710	223.520	293.381	3.894	0.53454	1.82722	3 X
K16J34N	20.4	0.15	K20CH	66.438	267.764	64.373	45.156	0.30130	1.56159	3 X
K16J48Y	18.4	0.15	K20CH	25.743	45.761	165.415	13.940	0.13457	2.66983	2 V
K16J48Z	19.1	0.15	K20CH	49.829	44.741	154.535	12.731	0.23241	2.63477	2 V
K16J49A	18.5	0.15	K20CH	71.402	191.381	331.316	1.773	0.14390	2.63588	2 V
K16J49B	18.0	0.15	K20CH	88.050	287.636	245.025	7.578	0.10559	2.57111	2 V
K16K12P	19.1	0.15	K20CH	216.967	18.083	286.619	17.743	0.06912	1.92770	2 V
K16L48H	17.5	0.15	K20CH	13.776	93.033	277.110	26.921	0.38594	2.59047	3 X
K16L68A	17.6	0.15	K20CH	48.525	72.400	266.952	20.402	0.27515	2.44836	3 X
K16L83G	17.0	0.15	K20CH	259.439	233.576	69.945	9.594	0.05436	3.04804	3 V
K16L83H	18.0	0.15	K20CH	0.079	192.389	80.352	5.510	0.10459	2.66356	2 V
K16L83J	17.9	0.15	K20CH	9.725	88.690	184.227	14.416	0.07672	2.59246	2 V
K16L83K	16.9	0.15	K20CH	122.432	296.016	132.985	15.906	0.01843	3.07623	2 V
K16L83L	17.2	0.15	K20CH	146.740	319.361	91.406	11.728	0.03782	3.01777	2 V
K16M06X	16.7	0.15	K20CH	272.856	321.959	46.832	17.600	0.24640	2.97680	3 V
K16N08U	17.7	0.15	K20CH	46.542	249.695	112.846	22.258	0.30537	2.38124	6 X
K16N46T	17.6	0.15	K20CH	19.338	64.428	344.295	6.650	0.10095	2.33185	6 X
K16N47R	18.1	0.15	K20CH	16.014	114.940	278.519	8.958	0.22576	2.33928	6 X
K16N48A	18.2	0.15	K20CH	38.194	100.060	272.721	4.536	0.18809	2.32950	8 X
K16N50W	18.1	0.15	K20CH	65.426	256.870	82.224	3.025	0.22567	2.37860	6 X
K16N92V	18.1	0.15	K20CH	25.662	173.585	224.808	4.293	0.14855	2.32048	3 X
K16N95N	18.4	0.15	K20CH	27.950	138.707	255.547	8.141	0.21084	2.36335	4 X
K16N96J	18.7	0.15	K20CH	47.558	35.090	322.766	3.006	0.21369	2.38950	2 X
K16NA7Y	18.4	0.15	K20CH	14.337	132.716	286.742	3.192	0.14856	2.23389	7 X
K16ND0W	17.5	0.15	K20CH	342.548	52.081	249.338	5.013	0.06694	2.84133	3 V
K16ND0X	18.5	0.15	K20CH	31.473	104.206	128.706	16.082	0.24509	2.77278	2 V
K16O02A	17.7	0.15	K20CH	60.505	66.767	286.289	4.586	0.19193	2.29979	7 X
K16O09R	18.0	0.15	K20CH	40.356	319.235	49.979	7.365	0.18347	2.44115	3 X
K16O12R	17.3	0.15	K20CH	346.627	190.569	88.077	10.390	0.13408	2.98584	2 V
K16O12S	18.1	0.15	K20CH	17.749	203.050	56.584	4.958	0.19682	2.73825	2 V
K16P04S	18.3	0.15	K20CH	38.483	274.418	98.140	4.004	0.29165	2.37896	4 X
K16P06U	18.0	0.15	K20CH	103.916	344.193	312.443	10.873	0.23733	2.29349	6 X
K16P33W	18.1	0.15	K20CH	63.043	303.961	44.052	8.947	0.11317	2.30919	6 X
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
K16P73F	18.2	0.15	K20CH	24.502	154.242	238.577	5.297	0.14776	2.43171	4 X
K16P78L	18.5	0.15	K20CH	27.861	93.077	278.858	6.532	0.28899	2.43603	2 X
K16P82S	18.1	0.15	K20CH	3.923	52.123	1.955	7.209	0.09968	2.34986	3 X
K16PE3O	18.4	0.15	K20CH	70.439	25.197	311.078	1.806	0.24693	2.33262	2 X
K16PF6O	17.9	0.15	K20CH	326.762	166.830	298.282	5.989	0.06694	2.38582	5 X
K16PF9C	16.7	0.15	K20CH	323.849	184.932	147.960	10.390	0.04739	3.04854	6 X
K16PI5D	16.9	0.15	K20CH	13.474	185.892	52.559	15.871	0.11193	3.16742	2 V
K16PI5E	17.5	0.15	K20CH	353.460	240.159	38.335	17.940	0.09898	2.99643	2 V
K16PI5F	17.0	0.15	K20CH	336.854	214.665	91.681	5.567	0.14487	3.04239	2 V
K16PI5G	17.5	0.15	K20CH	9.564	244.986	39.661	11.591	0.14017	2.74750	2 V
K16PI5H	16.5	0.15	K20CH	244.056	340.616	42.060	19.716	0.09926	3.11920	2 V
K16PI5J	18.7	0.15	K20CH	171.397	327.696	336.459	3.217	0.17056	2.17249	2 V
K16Q00R	18.2	0.15	K20CH	64.242	292.442	42.641	3.261	0.21345	2.38538	5 X
K16Q01P	16.5	0.15	K20CH	4.078	122.656	255.433	29.902	0.29715	2.61402	4 X
K16Q03L	17.9	0.15	K20CH	5.024	144.256	276.920	3.015	0.22626	2.33746	9 X
K16Q03Q	18.6	0.15	K20CH	39.253	185.691	198.985	2.460	0.18693	2.31919	5 X
K16Q03W	18.0	0.15	K20CH	182.858	309.540	300.869	4.232	0.08936	2.20236	8 X
K16Q08V	17.7	0.15	K20CH	25.197	51.348	329.311	14.114	0.18034	2.42030	6 X
K16Q16F	16.5	0.15	K20CH	344.993	212.965	193.932	12.214	0.20455	2.48081	10 X
K16Q17Q	18.0	0.15	K20CH	66.278	97.046	247.776	5.744	0.13782	2.34061	8 X
K16Q42O	17.8	0.15	K20CH	51.981	29.341	334.872	0.864	0.18920	2.35941	11 X
K16Q47T	18.5	0.15	K20CH	53.034	279.210	73.175	3.363	0.22193	2.38922	6 X
K16Q49O	17.7	0.15	K20CH	49.697	25.539	332.703	6.244	0.13909	2.36694	6 X
K16Q67L	17.2	0.15	K20CH	36.420	105.683	223.043	5.403	0.15059	2.47867	7 X
K16Q69D	17.3	0.15	K20CH	136.027	350.587	298.239	5.573	0.09158	2.24608	11 X
K16Q71N	17.7	0.15	K20CH	44.887	134.842	245.955	5.213	0.13051	2.33663	7 X
K16Q72V	18.3	0.15	K20CH	10.177	103.831	313.383	1.415	0.23739	2.42071	6 X
K16Q89Y	17.4	0.15	K20CH	40.007	314.435	62.281	7.616	0.11805	2.38957	7 X
K16Q99L	18.2	0.15	K20CH	50.243	295.179	53.524	10.705	0.27210	2.44671	4 X
K16QB9K	16.5	0.15	K20CH	308.060	55.654	260.227	9.703	0.04770	3.15159	2 V
K16QB9L	16.9	0.15	K20CH	328.676	176.303	128.935	6.670	0.13211	3.10619	2 V
K16R14D	18.5	0.15	K20CH	60.486	96.459	254.760	2.140	0.19864	2.34315	6 X
K16R33M	18.3	0.15	K20CH	32.533	118.412	273.395	0.392	0.19000	2.37437	3 X
K16R37M	18.4	0.15	K20CH	16.024	66.481	337.553	0.974	0.17109	2.39683	6 X
K16R40B	17.7	0.15	K20CH	51.754	21.788	330.625	3.735	0.21041	2.43318	7 X
K16R43X	16.9	0.15	K20CH	10.021	351.319	21.022	14.763	0.16953	2.60988	7 X
K16R44A	17.7	0.15	K20CH	2.907	33.288	30.439	7.116	0.15715	2.44683	4 X
K16R54C	17.5	0.15	K20CH	351.569	123.688	310.350	12.727	0.23511	2.52388	2 X
K16R57P	17.1	0.15	K20CH	82.684	290.136	24.132	9.145	0.17224	2.56935	5 X

K16R60R	17.1	0.15	K20CH	33.936	265.318	131.564	14.999	0.10852	2.48255	5 X
K16R64N	17.5	0.15	K20CH	1.767	63.857	343.265	23.238	0.26985	2.55243	2 X
K16R66V	16.9	0.15	K20CH	342.855	106.370	316.630	21.312	0.10070	2.56999	5 X
K16R68Q	18.4	0.15	K20CH	6.892	81.756	329.472	8.389	0.21163	2.44337	4 X
K16R70T	17.4	0.15	K20CH	29.020	90.138	289.635	13.909	0.12406	2.52191	3 X
K16R70W	19.3	0.15	K20CH	27.063	14.089	2.077	10.693	0.26138	2.45054	2 X
K16R71K	16.7	0.15	K20CH	349.408	182.142	96.929	14.553	0.07518	3.16538	2 V
K16S21K	17.9	0.15	K20CH	59.038	290.174	50.569	5.347	0.23243	2.44747	6 X
K16S21S	17.9	0.15	K20CH	25.000	200.552	148.906	6.345	0.32382	2.57023	2 X
K16S22H	17.7	0.15	K20CH	72.973	311.035	22.776	15.276	0.16396	2.40103	4 X
K16S23A	17.0	0.15	K20CH	328.101	87.987	15.108	13.077	0.11710	2.41603	8 X
K16S23C	17.5	0.15	K20CH	77.856	325.769	8.022	7.177	0.17152	2.38921	9 X
K16S31G	16.6	0.15	K20CH	32.914	327.406	48.377	9.279	0.25266	2.47103	13 X
K16S40H	18.0	0.15	K20CH	18.537	13.559	23.868	7.648	0.21044	2.43968	2 X
K16S49Q	17.5	0.15	K20CH	11.623	357.741	49.397	7.775	0.10447	2.45636	5 X
K16S53K	18.0	0.15	K20CH	10.118	142.147	271.058	1.632	0.12926	2.40517	7 X
K16S89Z	18.9	0.15	K20CH	176.347	178.339	215.065	20.710	0.09137	1.92525	2 V
K16T21W	17.5	0.15	K20CH	31.776	221.046	171.414	9.752	0.14093	2.34822	10 X
K16T22V	18.0	0.15	K20CH	58.859	297.805	45.436	4.407	0.21265	2.42840	7 X
K16T28N	17.5	0.15	K20CH	35.863	278.213	101.001	4.043	0.20332	2.42986	8 X
K16T54R	22.0	0.15	K20CH	275.283	108.991	101.692	7.612	0.44989	0.97493	5 X
K16T61N	18.3	0.15	K20CH	41.712	336.737	38.952	1.935	0.20396	2.42261	3 X
K16T78G	17.4	0.15	K20CH	60.500	137.262	216.757	15.430	0.15186	2.44960	7 X
K16T80Q	17.4	0.15	K20CH	346.967	172.473	279.513	5.223	0.10062	2.39968	7 X
K16T92Z	16.7	0.15	K20CH	70.207	8.614	307.150	17.817	0.19595	2.55484	5 X
K16TA1O	17.2	0.15	K20CH	342.289	186.798	248.714	13.579	0.07590	2.48031	4 X
K16TC2L	17.1	0.15	K20CH	41.841	238.826	141.875	15.858	0.18413	2.53086	5 X
K16TE1B	17.6	0.15	K20CH	357.323	101.440	268.607	10.867	0.17848	2.67131	2 X
K16TF1G	16.7	0.15	K20CH	346.339	305.507	332.146	6.359	0.13719	3.19838	2 V
K16TF1H	18.7	0.15	K20CH	28.633	111.817	243.133	5.998	0.19367	2.57733	2 V
K16U01J	17.4	0.15	K20CH	299.858	223.923	271.381	5.847	0.03761	2.39959	9 X
K16U26H	16.9	0.15	K20CH	62.392	290.461	31.429	12.842	0.37968	2.52471	8 X
K16U43D	18.9	0.15	K20CH	12.090	350.829	51.677	14.074	0.28935	2.54454	2 X
K16U51G	18.7	0.15	K20CH	358.884	10.485	68.396	2.044	0.19010	2.47762	4 X
K16U60K	18.2	0.15	K20CH	359.705	124.647	308.167	3.134	0.10078	2.44315	5 X
K16U68R	17.2	0.15	K20CH	345.295	104.197	336.505	6.624	0.16385	2.53829	6 X
K16U71A	17.0	0.15	K20CH	26.433	134.370	211.692	12.867	0.17859	2.60642	7 X
K16UC3Z	17.4	0.15	K20CH	99.449	22.486	293.340	4.910	0.11801	2.43970	9 X
K16UF0J	16.4	0.15	K20CH	99.263	280.984	24.145	13.587	0.17837	2.54831	3 X
K16UF3Y	17.6	0.15	K20CH	13.016	37.007	358.832	13.625	0.23359	2.55230	3 X
K16UF5C	18.3	0.15	K20CH	15.041	327.936	78.219	6.306	0.26260	2.48026	3 V
K16U08N	17.5	0.15	K20CH	60.425	296.351	45.758	13.459	0.19211	2.55701	4 X
K16UP9M	17.6	0.15	K20CH	34.924	328.931	39.042	6.740	0.22359	2.56215	4 X
K16UQ0J	17.6	0.15	K20CH	36.943	323.222	51.197	15.367	0.12451	2.45120	3 X
K16UQ0N	17.2	0.15	K20CH	14.484	157.260	245.471	12.563	0.13593	2.57850	2 X
K16UQ0X	18.2	0.15	K20CH	308.435	121.433	357.827	3.484	0.06690	2.48000	2 V
K16V01O	23.1	0.15	K20CH	176.607	131.969	129.751	1.616	0.42871	0.98257	5 X
K16V04N	20.6	0.15	K20CH	48.918	6.521	294.324	12.346	0.66890	1.60465	3 X
K16V05N	17.6	0.15	K20CH	333.967	59.165	25.609	26.642	0.38697	2.64944	3 X
K16V15P	17.7	0.15	K20CH	22.682	69.440	313.770	12.723	0.18109	2.54106	3 X
K16V16Z	17.0	0.15	K20CH	334.587	36.562	29.699	13.637	0.24841	2.72680	4 X
K16V20N	17.2	0.15	K20CH	26.763	5.860	18.669	12.030	0.13643	2.72423	5 X
K16V21X	17.6	0.15	K20CH	34.553	111.031	254.623	4.870	0.27347	2.56186	4 X
K16V22T	17.4	0.15	K20CH	48.533	311.531	48.179	5.413	0.20175	2.54197	3 X
K16V23K	17.7	0.15	K20CH	327.953	46.773	73.635	13.533	0.21218	2.62210	2 X
K16V30E	17.8	0.15	K20CH	359.374	264.941	137.586	8.168	0.34907	2.65541	3 X
K16V32R	17.3	0.15	K20CH	314.668	218.945	269.941	11.991	0.20423	2.68693	3 X
K16V35D	16.6	0.15	K20CH	34.196	40.548	324.914	14.027	0.13346	2.58115	6 X
K16V37R	17.3	0.15	K20CH	83.753	285.249	29.081	10.921	0.16254	2.58664	6 X
K16V39K	18.0	0.15	K20CH	33.818	330.382	44.344	5.352	0.25631	2.55190	2 X
K16W10G	20.8	0.15	K20CH	347.278	199.741	312.940	10.571	0.66062	2.50051	3 X
K16W10S	18.2	0.15	K20CH	354.466	19.999	63.956	8.770	0.19699	2.46840	4 X
K16W11M	16.3	0.15	K20CH	30.792	45.220	323.725	14.569	0.15829	2.54863	5 X
K16W16M	17.8	0.15	K20CH	52.703	261.008	105.576	2.592	0.18646	2.45974	10 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
K16W27E	17.5	0.15	K20CH	21.686	334.572	59.769	15.394	0.15259	2.55602	2 X
K16W34N	17.7	0.15	K20CH	343.685	75.573	6.088	10.319	0.16763	2.53076	4 X
K16W38B	17.7	0.15	K20CH	21.293	142.287	243.688	29.496	0.18486	2.56514	4 X
K16W39V	18.2	0.15	K20CH	7.402	101.116	309.646	2.714	0.19087	2.54905	5 X
K16W44Z	17.5	0.15	K20CH	334.760	11.104	100.388	16.229	0.21490	2.60083	5 X
K16W45C	17.2	0.15	K20CH	83.573	333.352	343.849	3.304	0.21716	2.55729	8 X
K16W46J	17.1	0.15	K20CH	10.524	4.279	39.688	7.500	0.19384	2.54641	7 X
K16W51M	16.4	0.15	K20CH	55.101	245.459	116.373	15.560	0.13828	2.52363	7 X
K16W52W	18.3	0.15	K20CH	17.710	65.947	327.574	2.836	0.28755	2.54117	4 X
K16W58J	17.2	0.15	K20CH	318.730	89.871	16.510	24.512	0.09400	2.57659	3 X
K16W58U	17.6	0.15	K20CH	356.576	29.896	54.734	19.424	0.22073	2.61657	4 X
K16W60X	17.8	0.15	K20CH	42.532	341.341	22.132	1.288	0.23068	2.55026	4 X
K16W63Q	17.6	0.15	K20CH	2.658	245.484	188.818	11.349	0.16969	2.53949	2 X
K16W66J	18.5	0.15	K20CH	17.032	141.099	248.834	12.813	0.26027	2.57547	2 X
K16W66W	17.7	0.15	K20CH	35.984	316.841	66.040	14.211	0.10098	2.57286	3 X
K16W66X	18.0	0.15	K20CH	19.809	358.092	44.160	1.956	0.17678	2.55250	3 X
K16W67B	17.0	0.15	K20CH	32.325	126.160	249.979	16.539	0.19827	2.58885	4 X
K16W67S	17.4	0.15	K20CH	35.005	68.368	299.039	13.432	0.19590	2.56922	3 X
K16W67T	17.7	0.15	K20CH	317.368	95.434	27.475	4.092	0.16139	2.55794	5 X
K16X03C	16.8	0.15	K20CH	282.785	166.527	1.782	3.630	0.18673	2.53850	10 X
K16X04R	17.7	0.15	K20CH	3.696	164.348	250.327	12.381	0.23405	2.56467	2 X
K16X06K	17.2	0.15	K20CH	43.815	333.319	11.164	6.873	0.29649	2.54629	4 X
K16X09J	17.9	0.15	K20CH	25.221	133.909	254.057	10.598	0.20880	2.55370	4 X
K16X10B	17.3	0.15	K20CH	52.041	106.939	245.635	3.765	0.20162	2.57722	6 X
K16X13X	17.0	0.15	K20CH	65.427	93.408	249.699	12.038	0.21795	2.54832	4 X
K16X13Z	17.3	0.15	K20CH	79.336	77.530	253.029	9.794	0.05832	2.63403	3 X
K16X14G	16.8	0.15	K20CH	66.910	70.513	260.043	14.492	0.15691	2.63745	6 X
K16X14K	16.6	0.15	K20CH	275.810	6.450	73.367	11.624	0.06898	3.00209	7 V

K16X17B	17.6	0.15	K20CH	0.619	146.756	270.572	9.788	0.11217	2.54599	6 X
K16X19A	17.3	0.15	K20CH	44.773	344.256	17.544	5.507	0.12563	2.56389	3 X
K16X19O	17.4	0.15	K20CH	44.150	330.433	35.019	3.865	0.09998	2.55130	5 X
K16X19P	16.6	0.15	K20CH	110.899	267.613	26.726	6.306	0.16239	2.54469	6 X
K16X21G	17.2	0.15	K20CH	6.581	340.251	86.430	12.021	0.19213	2.60516	7 X
K16X22J	17.1	0.15	K20CH	345.516	163.078	286.041	10.760	0.16489	2.61143	5 X
K16X22U	17.1	0.15	K20CH	280.620	248.903	272.521	10.937	0.11129	2.69001	6 X
K16X26D	13.5	0.15	K20CH	338.000	320.361	301.872	25.350	0.04495	5.13749	6 V
K16X27T	17.7	0.15	K20CH	33.265	351.626	10.305	6.892	0.33231	2.56555	4 X
K16X27X	17.4	0.15	K20CH	5.891	358.223	15.932	10.744	0.29306	2.71810	2 X
K16X29L	17.6	0.15	K20CH	5.440	23.379	30.629	12.602	0.17201	2.57565	2 X
K16X29X	17.6	0.15	K20CH	20.678	133.663	260.215	11.795	0.19092	2.65137	4 X
K16Y00W	18.0	0.15	K20CH	327.303	91.760	49.210	28.131	0.38283	2.62762	3 X
K16Y10G	18.0	0.15	K20CH	18.526	257.673	125.584	12.642	0.43535	2.61384	4 X
K16Y11P	16.7	0.15	K20CH	255.647	124.730	62.124	8.704	0.16286	2.56699	8 X
K16Y12G	17.5	0.15	K20CH	17.335	343.305	59.832	15.189	0.24826	2.62579	5 X
K16Y13J	16.5	0.15	K20CH	19.141	171.336	235.955	30.339	0.19630	2.54840	6 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 X
K16Y21Y	17.3	0.15	K20CH	7.766	19.356	30.284	12.879	0.15048	2.67118	3 X
K16Y22B	17.0	0.15	K20CH	312.614	165.756	287.323	29.488	0.17624	2.77284	3 X
K17A02D	18.1	0.15	K20CH	25.763	32.372	348.477	12.067	0.30112	2.64458	4 X
K17A06J	17.7	0.15	K20CH	0.894	98.519	325.820	2.203	0.20141	2.62657	6 X
K17A06X	17.5	0.15	K20CH	346.970	343.837	111.908	13.866	0.27631	2.61548	4 X
K17A07S	18.0	0.15	K20CH	8.980	146.939	269.756	13.360	0.26959	2.65243	4 X
K17A08B	16.1	0.15	K20CH	305.692	218.508	270.256	11.849	0.12247	2.79045	10 X
K17A08P	17.8	0.15	K20CH	357.388	32.710	36.831	14.554	0.29648	2.58314	4 X
K17A14X	17.8	0.15	K20CH	323.534	233.370	250.243	0.971	0.15256	2.63343	8 X
K17A15U	18.2	0.15	K20CH	5.829	131.382	290.765	4.923	0.25070	2.61694	8 X
K17A16Q	17.3	0.15	K20CH	320.974	8.703	121.405	14.881	0.18029	2.64457	7 X
K17A18O	17.5	0.15	K20CH	20.736	110.497	285.620	12.652	0.23695	2.66074	3 X
K17A19D	17.0	0.15	K20CH	9.340	131.115	255.969	11.939	0.43298	2.46651	3 X
K17A20D	18.2	0.15	K20CH	359.566	98.493	330.436	4.145	0.32262	2.58275	3 X
K17A20F	17.9	0.15	K20CH	348.042	342.021	108.851	14.684	0.21342	2.61265	2 X
K17A21Q	15.7	0.15	K20CH	183.939	295.837	293.689	15.102	0.16514	3.10139	10 X
K17A22L	16.1	0.15	K20CH	57.634	299.504	67.280	15.965	0.05517	3.14199	8 X
K17A30B	17.1	0.15	K20CH	334.416	164.326	286.581	12.816	0.15696	2.78946	2 X
K17A34B	17.2	0.15	K20CH	323.179	239.585	246.139	7.947	0.18501	2.75769	6 X
K17A35O	17.5	0.15	K20CH	355.181	14.326	62.774	12.413	0.27480	2.77637	4 X
K17B02O	16.9	0.15	K20CH	58.309	231.197	125.981	14.696	0.12105	2.53029	6 X
K17B07T	15.0	0.15	K20CH	170.268	299.349	278.401	24.427	0.05271	3.14966	8 X
K17B07Z	16.7	0.15	K20CH	338.750	349.480	121.413	15.388	0.21780	2.66628	9 X
K17B08X	16.9	0.15	K20CH	359.882	158.686	277.257	12.885	0.22908	2.67439	7 X
K17B08Y	16.2	0.15	K20CH	345.647	178.843	265.380	13.207	0.12277	2.78020	8 X
K17B12J	16.9	0.15	K20CH	338.897	184.296	284.142	11.506	0.23019	2.66148	7 X
K17B18H	17.0	0.15	K20CH	2.147	127.577	300.199	2.934	0.05181	2.77400	11 X
K17B20Z	17.0	0.15	K20CH	32.235	104.671	294.004	4.577	0.03852	2.76374	11 X
K17B25J	15.9	0.15	K20CH	172.843	323.406	277.656	7.201	0.08854	2.98483	12 X
K17B33M	17.6	0.15	K20CH	20.985	282.881	115.927	13.834	0.28874	2.61648	4 X
K17B34F	16.6	0.15	K20CH	358.091	198.244	220.132	12.496	0.27876	2.58092	9 X
K17B34K	16.7	0.15	K20CH	19.131	283.460	123.546	11.960	0.09112	2.75379	10 X
K17B34R	17.8	0.15	K20CH	331.864	359.807	121.929	13.893	0.23090	2.64541	5 X
K17B37T	18.4	0.15	K20CH	352.277	94.585	356.127	5.917	0.34737	2.58584	3 X
K17B38F	15.9	0.15	K20CH	203.108	285.605	300.694	13.699	0.10638	2.86202	9 X
K17B40R	17.2	0.15	K20CH	334.159	112.614	345.903	4.371	0.07635	2.71882	11 X
K17B43N	17.1	0.15	K20CH	352.628	122.611	304.222	12.649	0.15790	2.74212	4 X
K17B46J	17.5	0.15	K20CH	5.531	104.764	317.611	7.031	0.13346	2.70061	5 X
K17B46P	17.2	0.15	K20CH	358.132	357.667	81.323	2.702	0.07466	2.69057	10 X
K17B49P	16.8	0.15	K20CH	273.957	214.454	298.257	3.252	0.00984	2.80674	12 X
K17B53O	16.7	0.15	K20CH	345.866	108.650	324.432	9.170	0.11050	2.80166	7 X
K17B56P	17.7	0.15	K20CH	7.725	116.795	298.195	7.060	0.24927	2.67079	4 X
K17B57L	16.9	0.15	K20CH	102.835	65.521	259.342	4.972	0.05765	2.79748	11 X
K17B58W	17.5	0.15	K20CH	17.546	69.180	328.917	4.510	0.17417	2.74639	5 X
K17B62W	16.9	0.15	K20CH	41.573	317.422	59.820	6.383	0.04937	2.75696	9 X
K17B64K	17.8	0.15	K20CH	339.653	38.687	69.983	5.758	0.26894	2.62015	6 X
K17B68R	17.0	0.15	K20CH	352.222	142.135	295.614	7.308	0.25639	2.68606	5 X
K17B69X	17.6	0.15	K20CH	337.569	127.756	327.599	2.636	0.04788	2.68115	5 X
K17B73X	16.5	0.15	K20CH	290.276	199.349	293.510	9.205	0.05267	2.78640	9 X
K17B77G	17.4	0.15	K20CH	17.959	335.706	78.108	2.508	0.08123	2.65111	8 X
K17B78F	18.5	0.15	K20CH	345.247	325.769	143.336	9.451	0.34294	2.59437	3 X
K17B81Q	17.2	0.15	K20CH	15.887	207.541	210.914	3.028	0.08639	2.76979	8 X
K17B83O	16.8	0.15	K20CH	56.981	64.641	309.021	5.361	0.04528	2.78754	8 X
K17B86Y	16.6	0.15	K20CH	281.486	266.611	261.143	7.339	0.15721	2.77448	11 X
K17B87G	16.3	0.15	K20CH	253.494	239.367	286.502	9.949	0.04164	2.93812	11 X
K17B97P	16.6	0.15	K20CH	301.368	143.121	343.198	10.321	0.08638	2.84321	9 X
K17B99J	17.6	0.15	K20CH	358.698	111.107	308.072	11.996	0.20948	2.71675	4 X
K17BA7G	16.6	0.15	K20CH	60.560	105.619	257.671	10.312	0.10834	2.86042	9 X
K17BB2Z	16.9	0.15	K20CH	0.347	80.350	9.485	28.233	0.34031	2.62715	6 X
K17BB6A	15.5	0.15	K20CH	80.020	297.109	33.409	12.910	0.08814	2.94676	13 X
K17BB7R	16.0	0.15	K20CH	84.269	292.487	32.466	10.914	0.03083	3.03233	11 X
K17BD1O	16.9	0.15	K20CH	60.319	281.505	88.636	7.228	0.04641	2.76498	7 X
K17BD3R	17.2	0.15	K20CH	19.076	346.941	58.161	4.618	0.09903	2.81692	8 X
K17BD5R	17.3	0.15	K20CH	9.415	43.771	358.934	8.941	0.21025	2.81107	5 X
K17BD6N	15.8	0.15	K20CH	125.557	276.098	31.383	9.595	0.02646	2.89966	11 X
K17BD7E	16.6	0.15	K20CH	340.199	50.902	47.092	18.074	0.13492	2.75145	8 X
K17BD7Y	16.0	0.15	K20CH	322.138	193.149	277.347	9.605	0.07834	3.04645	9 X
K17BD8B	16.0	0.15	K20CH	266.170	155.990	7.763	11.345	0.09108	3.12770	10 X
K17BE8F	18.3	0.15	K20CH	353.606	271.987	179.130	12.756	0.25192	2.63661	3 X
K17BF8L	18.4	0.15	K20CH	333.224	299.666	178.926	7.644	0.25948	2.67122	5 X
K17BG5N	18.0	0.15	K20CH	22.676	245.421	148.626	8.410	0.28774	2.68319	2 X
K17C02X	17.0	0.15	K20CH	339.387	321.236	142.617	13.304	0.13776	2.68617	7 X
K17C10N	17.6	0.15	K20CH	3.127	80.977	335.491	7.490	0.20676	2.75145	5 X
K17C16H	17.4	0.15	K20CH	57.190	222.294	149.659	1.209	0.08413	2.75830	8 X

K17C16V	16.7	0.15	K20CH	54.396	67.646	304.395	5.307	0.07754	2.78152	11	X
K17C28P	17.3	0.15	K20CH	1.903	60.271	12.755	3.190	0.06963	2.76025	11	X
K17C30P	15.7	0.15	K20CH	154.736	309.108	313.806	9.635	0.05177	3.21043	11	X
K17C33M	16.2	0.15	K20CH	63.839	330.215	12.628	6.971	0.04775	2.94851	9	X
K17C33U	17.4	0.15	K20CH	344.944	248.409	211.677	3.024	0.18168	2.66830	8	X
K17C34R	16.4	0.15	K20CH	37.635	71.122	318.319	9.259	0.04213	3.09702	9	X
K17C35M	16.6	0.15	K20CH	341.951	133.798	302.994	10.020	0.11046	3.09760	5	X
K17D07O	16.2	0.15	K20CH	146.487	214.710	62.852	11.464	0.02194	2.97420	9	X
K17D14F	15.8	0.15	K20CH	42.041	335.054	29.421	11.060	0.13173	2.99128	9	X
K17D31V	17.0	0.15	K20CH	306.525	222.795	274.059	5.964	0.07393	2.76283	9	X
K17D50H	15.8	0.15	K20CH	29.267	22.380	12.467	11.998	0.05983	2.92374	10	X
K17D55Z	15.9	0.15	K20CH	187.406	205.057	32.969	9.578	0.03059	2.98618	12	X
K17D57B	16.0	0.15	K20CH	83.041	291.872	43.587	11.946	0.00767	3.00386	6	X
K17D57K	15.9	0.15	K20CH	137.473	213.245	76.926	12.809	0.10404	3.01415	9	X
K17D57V	16.1	0.15	K20CH	72.197	284.105	63.888	11.080	0.11707	2.98669	8	X
K17D58C	16.7	0.15	K20CH	251.598	117.803	54.817	10.621	0.03282	2.98778	7	X
K17D58Q	16.0	0.15	K20CH	52.995	336.724	32.212	11.611	0.10005	2.94802	10	X
K17D58W	16.3	0.15	K20CH	34.969	329.958	51.592	10.578	0.09319	2.98543	9	X
K17D61H	15.7	0.15	K20CH	121.807	235.488	71.365	11.451	0.07062	3.01177	6	X
K17D71P	16.8	0.15	K20CH	325.304	148.193	308.238	2.671	0.04770	3.04965	10	X
K17D74B	17.8	0.15	K20CH	325.269	175.886	316.858	2.884	0.23230	2.74155	5	X
K17D74X	16.6	0.15	K20CH	349.316	125.640	319.351	5.735	0.10019	2.93466	7	X
K17D77J	15.6	0.15	K20CH	232.191	258.752	298.736	11.917	0.13616	2.98271	9	X
K17D78H	15.6	0.15	K20CH	167.790	294.645	322.823	14.922	0.02332	2.99698	8	X
K17D82B	15.8	0.15	K20CH	76.462	327.515	11.653	10.881	0.04751	2.96073	10	X
K17D82U	16.6	0.15	K20CH	268.155	163.952	356.897	7.797	0.09684	2.90800	8	X
K17D85N	15.7	0.15	K20CH	198.348	341.714	240.163	8.851	0.07666	3.09600	14	X
K17D87P	16.5	0.15	K20CH	262.372	147.311	37.970	8.089	0.22412	2.87441	9	X
K17D87S	15.8	0.15	K20CH	253.631	148.264	23.019	10.452	0.04912	2.96126	10	X
K17D92Q	15.9	0.15	K20CH	72.502	45.213	295.377	9.157	0.01364	3.11956	11	X
K17D93X	16.6	0.15	K20CH	303.603	150.674	319.444	14.968	0.05134	3.09022	8	X
K17DA0X	16.3	0.15	K20CH	355.401	146.037	290.245	8.070	0.08013	2.94232	11	X
K17DA5L	16.7	0.15	K20CH	232.613	161.524	28.433	6.049	0.01858	2.94274	10	X
K17DA5W	16.3	0.15	K20CH	228.746	227.045	327.741	9.762	0.05504	3.00535	6	X
K17DA7B	16.2	0.15	K20CH	231.724	292.647	270.098	12.490	0.15275	2.99065	9	X
K17DA7P	16.1	0.15	K20CH	153.967	347.153	276.059	10.506	0.02481	3.10218	6	X
K17DB0K	16.8	0.15	K20CH	292.690	256.306	263.003	11.128	0.18189	2.74377	6	X
K17DB2H	16.3	0.15	K20CH	196.453	203.837	26.694	11.035	0.03756	2.90809	8	X
K17DB4H	16.7	0.15	K20CH	334.313	132.426	322.264	8.872	0.19296	2.79773	9	X
K17DB5M	17.3	0.15	K20CH	331.517	62.613	51.282	5.779	0.12821	2.80886	9	X
K17DB5P	16.0	0.15	K20CH	161.073	192.448	74.657	7.233	0.08541	3.07971	11	X
K17DB6Y	16.1	0.15	K20CH	199.721	311.190	269.314	9.183	0.05641	3.01430	8	X
K17DB7W	15.8	0.15	K20CH	222.867	305.072	247.814	7.244	0.06058	3.07828	10	X
K17DB8S	15.8	0.15	K20CH	212.068	335.143	250.509	13.955	0.09178	3.02701	9	X
K17DB8V	16.9	0.15	K20CH	11.749	1.463	54.189	14.830	0.23860	2.66969	7	X
K17DC0X	15.9	0.15	K20CH	277.931	123.327	27.760	9.681	0.05193	3.06034	10	X
K17E04C	18.1	0.15	K20CH	354.714	47.388	58.645	31.948	0.42214	2.58526	2	X
K17E04S	16.8	0.15	K20CH	339.566	24.758	77.870	12.684	0.14079	2.69803	10	X
K17E07Q	16.1	0.15	K20CH	184.813	327.418	266.843	7.995	0.04908	3.09473	12	X
K17E11J	15.9	0.15	K20CH	13.876	334.534	85.604	11.024	0.06019	3.08437	8	X
K17E11Z	16.1	0.15	K20CH	350.712	300.591	142.979	10.922	0.08065	3.02413	9	X
K17E19A	15.9	0.15	K20CH	3.333	310.105	116.504	11.011	0.02571	3.10438	9	X
K17E19T	15.8	0.15	K20CH	85.703	217.295	114.545	19.198	0.07868	3.08808	9	X
K17E21Y	15.6	0.15	K20CH	240.256	240.675	296.687	10.155	0.07243	3.13589	11	X
K17E28H	16.9	0.15	K20CH	271.506	105.259	45.482	10.004	0.04841	3.16429	6	V
K17F05Y	16.4	0.15	K20CH	273.104	185.268	324.672	12.072	0.06100	3.02398	5	X
K17F06B	17.3	0.15	K20CH	334.408	286.481	185.818	13.816	0.15285	2.77522	8	X
K17F08H	15.8	0.15	K20CH	244.297	276.678	271.899	10.152	0.08748	2.99364	9	X
K17F09C	16.5	0.15	K20CH	332.342	35.271	62.820	9.902	0.06730	2.97539	9	X
K17F10L	16.7	0.15	K20CH	289.044	33.163	115.643	14.510	0.05580	2.96706	7	X
K17F10Q	17.0	0.15	K20CH	7.742	142.355	282.942	5.281	0.04739	2.90839	9	X
K17F11P	16.4	0.15	K20CH	212.079	161.496	49.405	9.831	0.02258	3.09113	9	X
K17F12G	17.5	0.15	K20CH	334.355	67.173	38.672	9.772	0.19728	2.80470	5	X
K17F12V	16.5	0.15	K20CH	2.579	285.826	140.656	14.716	0.05724	2.98734	8	X
K17F26S	15.9	0.15	K20CH	12.677	356.331	63.747	10.899	0.08719	2.97886	8	X
K17F36F	16.7	0.15	K20CH	257.824	352.625	186.192	12.877	0.08086	3.03679	6	X
K17F36Q	16.8	0.15	K20CH	349.788	206.003	245.807	7.587	0.12229	2.78499	10	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
K17F42Y	16.3	0.15	K20CH	326.302	41.969	66.889	9.668	0.05896	3.03489	9	X
K17F47V	16.8	0.15	K20CH	1.997	263.505	161.810	10.198	0.05346	3.04798	7	X
K17F50L	16.1	0.15	K20CH	283.117	102.027	5.781	10.538	0.11759	3.19498	9	X
K17F50T	16.4	0.15	K20CH	300.162	199.526	285.760	9.146	0.08722	3.03965	7	X
K17F50V	16.4	0.15	K20CH	254.332	276.455	269.967	8.862	0.05920	2.98907	9	X
K17F51F	16.1	0.15	K20CH	7.155	344.768	76.377	11.736	0.03976	3.15754	8	X
K17F74C	16.9	0.15	K20CH	44.022	119.262	259.375	9.237	0.09054	3.02661	7	X
K17F80E	16.3	0.15	K20CH	357.690	17.930	48.593	14.259	0.12003	2.97379	5	X
K17F83V	16.3	0.15	K20CH	289.875	83.428	72.191	8.047	0.12340	3.01565	10	X
K17F84K	17.4	0.15	K20CH	334.783	143.428	323.195	7.202	0.17912	2.77413	8	X
K17F85O	16.2	0.15	K20CH	311.444	67.702	54.067	8.115	0.10578	2.96393	9	X
K17F94H	15.7	0.15	K20CH	147.127	18.157	262.419	9.942	0.09761	3.20301	8	X
K17F94J	15.8	0.15	K20CH	14.070	138.295	267.307	10.326	0.05870	3.16235	8	X
K17F94O	15.8	0.15	K20CH	333.555	194.151	250.765	9.019	0.06632	3.13924	10	X
K17FA9N	16.7	0.15	K20CH	358.321	67.885	356.648	9.130	0.09225	3.07035	6	X
K17FB1E	15.9	0.15	K20CH	196.546	249.036	343.912	10.041	0.06192	3.12813	9	X
K17FB8N	16.4	0.15	K20CH	245.435	190.118	355.051	10.772	0.10511	3.06471	5	X
K17FC0E	16.0	0.15	K20CH	198.145	200.669	19.704	16.059	0.05986	3.18146	7	X
K17FC1V	15.9	0.15	K20CH	176.165	254.568	355.645	9.555	0.04896	3.07476	9	X
K17FC4O	17.7	0.15	K20CH	327.053	333.863	147.118	10.515	0.16623	2.75383	4	X
K17FC6W	16.6	0.15	K20CH	359.758	27.764	42.362	7.249	0.10721	2.97636	8	X
K17FD3K	15.3	0.15	K20CH	137.734	237.918	30.776	16.354	0.04545	3.41198	8	X
K17FD8X	16.2	0.15	K20CH	232.147	148.434	42.587	9.432	0.03340	3.17196	7	X
K17FE4O	16.2	0.15	K20CH	239.915	143.353	48.398	5.160	0.08376	3.13817	12	X
K17FF7R	16.3	0.15	K20CH	290.065	105.845	42.134	11.432	0.07607	3.03566	8	X

K17FG1C	16.1	0.15	K20CH	3.352	135.934	287.370	12.167	0.13893	3.04053	7 X
K17G02O	16.7	0.15	K20CH	321.165	64.137	52.382	14.527	0.06625	3.03749	6 X
K17G03L	16.8	0.15	K20CH	326.565	75.036	31.772	9.565	0.12255	3.02580	6 X
K17H00O	18.5	0.15	K20CH	77.168	251.907	79.444	31.896	0.19872	1.81177	3 X
K17H46L	17.0	0.15	K20CH	308.383	331.215	173.223	9.348	0.21040	3.03501	7 X
K17J00T	16.0	0.15	K20CH	304.633	246.143	258.061	14.982	0.16566	3.09250	10 X
K17K09Y	16.3	0.15	K20CH	346.203	10.811	84.671	13.538	0.17084	3.20892	8 X
K17K14H	15.7	0.15	K20CH	353.698	159.013	259.348	9.835	0.09067	3.53858	7 X
K17K16X	15.7	0.15	K20CH	286.323	109.403	31.061	6.315	0.04171	3.45819	10 X
K17K21Q	16.2	0.15	K20CH	300.210	262.391	245.871	10.206	0.09990	3.07205	10 X
K17O49P	17.5	0.15	K20CH	1.250	144.820	155.851	6.693	0.15700	2.29611	10 X
K17P57Z	18.5	0.15	K20CH	344.914	69.606	12.679	22.973	0.20186	2.12679	4 X
K17Q01Y	18.3	0.15	K20CH	222.535	270.831	280.109	19.230	0.06838	1.92296	4 X
K17Q87K	18.6	0.15	K20CH	227.925	177.141	30.571	22.075	0.08881	1.93013	3 X
K17Q90N	18.7	0.15	K20CH	9.416	197.588	230.549	20.112	0.08522	1.91854	5 X
K17R01B	18.2	0.15	K20CH	326.572	206.637	270.125	19.005	0.06425	1.91181	4 X
K17RB4G	18.2	0.15	K20CH	12.004	154.137	262.676	18.545	0.06582	2.00968	3 X
K17S19E	19.8	0.15	K20CH	347.856	29.759	87.313	8.801	0.52695	2.11745	3 X
K17S21E	18.1	0.15	K20CH	284.493	248.026	265.656	16.774	0.09904	1.96038	5 X
K17T00J	17.9	0.15	K20CH	289.545	237.779	263.123	18.907	0.05626	1.98362	2 X
K17T00L	18.0	0.15	K20CH	272.055	269.696	255.898	18.050	0.06030	1.95300	7 X
K17T23K	18.9	0.15	K20CH	309.042	238.042	252.378	19.704	0.05032	1.94993	3 X
K17T23O	18.5	0.15	K20CH	66.713	322.730	34.831	21.999	0.05814	1.96471	5 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 V
K17W29C	17.9	0.15	K20CH	287.133	262.570	332.852	15.760	0.58985	2.30987	3 X
K17X62L	18.7	0.15	K20CH	6.881	107.247	287.540	21.458	0.41421	2.19659	2 X
K17Y13G	18.0	0.15	K20CH	4.693	330.591	53.770	4.048	0.23453	2.28957	7 X
K18A06Y	18.3	0.15	K20CH	356.881	187.340	243.006	6.265	0.08005	2.24862	6 X
K18A08U	18.0	0.15	K20CH	335.792	185.792	267.723	2.931	0.08309	2.21208	9 X
K18A14C	17.5	0.15	K20CH	279.502	268.803	255.203	4.755	0.08889	2.26240	10 X
K18A27L	18.2	0.15	K20CH	274.698	232.652	298.928	4.700	0.17394	2.31745	6 X
K18A30D	18.1	0.15	K20CH	15.592	58.556	321.437	22.669	0.23613	2.39683	2 X
K18B14M	18.4	0.15	K20CH	332.759	76.565	41.412	22.517	0.22993	2.27502	3 X
K18C04Q	17.5	0.15	K20CH	266.987	219.930	319.187	4.579	0.16002	2.31559	7 X
K18D03G	16.4	0.15	K20CH	104.273	305.495	11.759	14.026	0.08657	2.52279	7 X
K18F16G	18.4	0.15	K20CH	7.599	343.427	84.725	5.867	0.20881	2.32939	5 X
K18F28F	15.7	0.15	K20CH	81.113	33.485	291.976	15.606	0.15069	2.53737	6 X
K18G09J	18.1	0.15	K20CH	329.458	31.180	80.804	3.610	0.14869	2.38503	6 X
K18G10R	17.3	0.15	K20CH	306.822	153.544	336.714	1.783	0.06518	2.54731	12 X
K18G11P	16.6	0.15	K20CH	254.933	138.240	55.318	12.299	0.15473	2.57859	4 X
K18H01K	16.9	0.15	K20CH	226.070	204.652	4.817	2.673	0.10223	2.61007	11 X
K18H04O	16.6	0.15	K20CH	67.513	258.237	93.565	3.125	0.11138	2.94548	12 X
K18J05K	16.8	0.15	K20CH	282.911	113.338	50.958	14.499	0.09875	2.58085	10 X
K18M06J	15.7	0.15	K20CH	205.056	159.893	71.242	8.110	0.12697	3.21173	9 X
K18V04B	21.1	0.15	K20CH	291.455	13.230	198.406	13.514	0.59785	1.00437	3 X
K19A44W	18.4	0.15	K20CH	303.494	114.092	3.792	20.940	0.07879	1.86746	2 X
K19F03H	17.6	0.15	K20CH	7.087	69.709	328.938	19.849	0.04961	1.89413	7 X
K19F07M	18.0	0.15	K20CH	129.346	260.906	34.759	21.047	0.06594	1.95418	7 X
K19F08N	15.4	0.15	K20CH	46.179	319.625	33.124	25.351	0.22310	2.33599	2 X
K19F20Y	19.1	0.15	K20CH	20.002	29.809	6.191	19.557	0.09093	1.93299	4 X
K19F21K	17.2	0.15	K20CH	65.240	317.872	348.817	14.708	0.36055	2.71111	2 X
K19G33A	18.7	0.15	K20CH	278.879	100.940	64.543	23.939	0.04937	1.90079	4 X
K19G33E	13.8	0.15	K20CH	8.986	132.445	235.334	15.500	0.24034	2.75617	6 X
K19G34V	13.7	0.15	K20CH	349.583	113.823	241.672	15.255	0.15955	3.19348	2 X
K19G36E	14.8	0.15	K20CH	56.037	316.052	34.276	6.876	0.25817	2.55399	2 X
K19G36M	13.7	0.15	K20CH	353.246	344.219	69.462	28.087	0.29491	2.32755	6 X
K19G82E	17.2	0.15	K20CH	57.785	264.552	70.955	14.850	0.32827	2.75033	5 X
K19G83U	18.3	0.15	K20CH	51.346	22.730	318.709	4.936	0.26954	2.30515	5 X
K19H02G	18.1	0.15	K20CH	300.805	86.751	49.879	20.877	0.07693	1.86852	5 X
K19H06A	17.5	0.15	K20CH	87.386	59.443	242.157	12.148	0.26635	2.65112	3 X
K19J27S	18.0	0.15	K20CH	87.387	254.733	66.459	7.791	0.16543	2.32967	7 X
K19J44Q	19.0	0.15	K20CH	193.628	188.846	46.561	21.974	0.04225	1.94629	2 X
K19J48Y	17.4	0.15	K20CH	79.682	250.462	72.930	16.812	0.26964	2.60922	2 X
K19J57U	17.8	0.15	K20CH	62.842	297.904	41.300	10.087	0.21995	2.57910	2 X
K19J58J	17.1	0.15	K20CH	48.843	302.253	40.120	31.701	0.26858	2.60561	2 X
K19J63H	17.3	0.15	K20CH	47.882	141.625	220.572	3.634	0.22827	2.57057	6 X
K19J79Z	17.3	0.15	K20CH	35.346	320.884	46.072	16.618	0.26059	2.58316	3 X
K19K05G	13.0	0.15	K20CH	21.796	85.002	271.534	34.467	0.07954	5.20893	7 X
K19K10E	17.7	0.15	K20CH	110.542	240.406	60.218	7.233	0.13524	2.35270	10 X
K19K14F	17.7	0.15	K20CH	78.957	30.364	292.402	5.250	0.15003	2.44934	2 X
K19K24U	17.4	0.15	K20CH	41.374	115.326	246.822	10.320	0.31566	2.55235	5 X
K19N00Y	17.6	0.15	K20CH	42.022	299.904	61.264	31.371	0.32599	2.58283	4 X
K19N37W	17.3	0.15	K20CH	243.876	234.064	314.845	12.904	0.10498	2.59500	6 X
K19O06E	16.1	0.15	K20CH	22.379	65.969	336.772	9.301	0.08142	3.10424	8 X
K19O13U	16.5	0.15	K20CH	104.802	334.793	335.963	10.393	0.03948	3.13488	9 X
K19O15Z	15.4	0.15	K20CH	108.251	49.375	249.038	23.502	0.14890	3.19361	8 X
K19O22Z	16.2	0.15	K20CH	319.383	223.204	246.903	15.096	0.10482	3.05393	2 X
K19P11F	16.4	0.15	K20CH	43.703	219.750	160.025	10.415	0.06619	3.10283	9 X
K19P11N	16.1	0.15	K20CH	329.086	115.969	337.054	8.786	0.06395	3.16032	9 X
K19P38B	16.4	0.15	K20CH	3.794	165.506	264.120	15.844	0.02418	2.99389	2 X
K19Q30Z	17.0	0.15	K20CH	75.101	198.727	146.189	12.320	0.08999	3.21250	7 X
K19Q40T	13.9	0.15	K20CH	336.646	161.034	256.324	31.488	0.04367	5.15943	4 X
K19X00S	23.7	0.15	K20CH	108.556	249.965	49.694	4.191	0.32742	1.00409	5 X
K20O03L	16.8	0.15	K20CH	33.615	90.104	280.132	27.817	0.31543	2.61902	5 X
K20O10L	18.8	0.15	K20CH	356.957	79.769	340.426	19.956	0.10852	1.87099	4 X
K20O30J	18.0	0.15	K20CH	17.231	67.649	317.843	14.051	0.27660	2.70949	4 X
K20O63Y	16.5	0.15	K20CH	0.990	184.039	243.001	12.993	0.16511	3.07251	5 V
K20P28K	16.9	0.15	K20CH	16.972	251.957	130.764	11.211	0.32390	3.07092	6 X
K20Q00M	20.9	0.15	K20CH	353.045	332.675	145.603	25.449	0.53135	1.08046	2 V
K20Q03L	17.3	0.15	K20CH	43.028	289.553	50.621	26.732	0.37660	2.59294	4 X
K20Q47W	17.9	0.15	K20CH	357.817	69.156	356.424	10.918	0.27891	2.65194	5 X
K20Q48X	18.0	0.15	K20CH	38.582	118.917	240.096	16.077	0.26742	2.60697	4 X
K20Q48Z	17.1	0.15	K20CH	28.013	83.417	291.205	12.402	0.28394	3.00827	4 X

K20R49A	17.4	0.15	K20CH	14.757	173.143	229.256	7.284	0.24905	2.57664	5 V
K20S07X	19.3	0.15	K20CH	7.460	77.531	334.927	6.800	0.32858	2.38164	3 X
K20T14D	17.7	0.15	K20CH	330.747	61.794	59.182	22.300	0.24620	2.43656	4 V
K20U07G	19.4	0.15	K20CH	320.288	100.921	56.692	17.225	0.46665	2.00677	2 X
K20U08D	17.4	0.15	K20CH	333.163	174.777	280.959	11.763	0.13101	2.62609	5 V

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K16M00H	22.0	0.15	K20CH	147.188	203.851	242.126	14.679	0.20648	1.09770	268	V
K20L02A	19.8	0.15	K20CH	10.593	335.325	25.581	4.506	0.73633	4.31362	173	X
K20O03W	19.6	0.15	K20CH	14.801	65.190	305.003	14.665	0.57852	3.04239	139	X
K20O05C	16.1	0.15	K20CH	40.271	3.042	328.300	37.761	0.21867	3.28505	134	X
K20O06J	18.7	0.15	K20CH	25.042	245.621	128.488	7.342	0.33018	2.26253	129	X
K20O08C	20.8	0.15	K20CH	16.559	198.926	195.986	4.858	0.43812	1.91308	172	X
K20O63U	17.3	0.15	K20CH	28.472	59.263	282.580	30.225	0.26742	2.63857	141	X
K20P01D	19.3	0.15	K20CH	12.016	194.471	195.535	16.646	0.52513	2.71144	166	X
K20P01X	23.6	0.15	K20CH	32.564	73.490	318.693	3.805	0.25653	1.37175	117	X
K20P07K	23.3	0.15	K20CH	21.713	97.328	299.417	3.648	0.34023	1.57734	138	X
K20P37H	17.5	0.15	K20CH	7.659	3.570	51.260	5.882	0.20313	2.56515	111	X
K20P37K	16.6	0.15	K20CH	42.179	319.617	40.046	16.549	0.19969	3.06482	111	X
K20Q03P	22.7	0.15	K20CH	15.304	81.956	305.394	3.030	0.51274	2.35208	108	X
K20Q04M	18.6	0.15	K20CH	49.144	297.627	22.955	23.420	0.44595	2.11616	108	X
K20Q05F	21.6	0.15	K20CH	22.870	205.858	173.720	7.968	0.48842	2.21416	113	X
K20Q06E	18.4	0.15	K20CH	22.483	128.015	248.548	6.324	0.39848	2.63387	102	X
K20Q06Q	19.8	0.15	K20CH	2.300	142.106	275.935	2.926	0.52039	2.70114	114	X
K20Q06Y	18.8	0.15	K20CH	22.622	325.288	50.726	8.937	0.39307	2.63332	113	X
K20Q07A	20.3	0.15	K20CH	16.084	127.380	258.174	8.107	0.52716	2.71718	99	X
K20Q07Z	20.5	0.15	K20CH	2.642	131.835	294.008	5.716	0.50291	2.68007	103	X
K20Q12F	19.0	0.15	K20CH	2.815	79.676	317.832	24.589	0.34894	2.59404	107	X
K20Q29A	17.8	0.15	K20CH	29.066	311.721	53.531	18.713	0.33394	3.10374	97	X
K20Q49H	18.5	0.15	K20CH	28.158	340.295	45.759	5.842	0.19121	2.32836	99	X
K20Q49P	17.3	0.15	K20CH	22.730	359.282	36.348	5.089	0.22640	2.55489	88	V
K20Q49Q	18.0	0.15	K20CH	25.064	351.268	36.603	4.845	0.29010	2.55054	88	V
K20R00U	19.3	0.15	K20CH	9.512	87.298	320.314	17.510	0.57956	3.05999	97	X
K20R11Q	22.2	0.15	K20CH	0.780	29.372	45.984	9.307	0.57343	2.47669	83	X
K20R11S	20.1	0.15	K20CH	358.312	15.800	62.542	21.946	0.48749	2.89023	81	X
K20R48Z	18.2	0.15	K20CH	359.970	39.166	24.532	19.055	0.35986	3.10252	81	X
K20R49B	17.6	0.15	K20CH	19.025	130.907	259.542	24.901	0.36288	2.69415	91	X
K20S01C	21.2	0.15	K20CH	0.986	152.975	281.660	5.050	0.46297	2.29446	82	X
K20S01K	21.0	0.15	K20CH	19.901	54.087	335.564	4.320	0.49823	2.40135	100	X
K20S03F	21.5	0.15	K20CH	14.475	324.856	56.704	3.551	0.54384	2.83151	85	X
K20S10F	18.6	0.15	K20CH	50.979	333.412	14.838	5.927	0.17985	2.34278	68	X
K20S16J	19.5	0.15	K20CH	13.613	335.246	68.301	9.083	0.37645	2.59044	69	X
K20S17B	18.0	0.15	K20CH	22.344	353.991	36.092	15.813	0.15856	2.59161	68	X
K20S18K	20.4	0.15	K20CH	33.625	288.590	69.167	3.863	0.45661	2.25963	70	X
K20S25U	18.6	0.15	K20CH	29.947	13.327	348.455	13.262	0.31315	2.61942	73	X
K20S25V	18.8	0.15	K20CH	12.842	71.955	323.058	10.454	0.30831	2.64590	73	X
K20S28P	17.5	0.15	K20CH	342.791	96.935	359.230	8.366	0.36571	3.29449	78	X
K20S28Q	17.5	0.15	K20CH	2.336	34.396	19.580	14.609	0.26928	3.19186	68	X
K20S30D	18.4	0.15	K20CH	4.114	53.755	2.478	10.407	0.39521	3.08844	54	V
K20S30E	18.2	0.15	K20CH	29.872	65.024	319.852	5.539	0.21335	2.23387	62	V
K20S30F	17.5	0.15	K20CH	27.184	327.374	52.479	29.296	0.17845	3.13159	58	V
K20T03G	22.5	0.15	K20CH	3.102	201.765	229.546	9.108	0.61966	2.84536	60	X
K20T04G	20.1	0.15	K20CH	0.229	189.987	254.410	5.328	0.55237	2.68687	77	X
K20T04M	21.8	0.15	K20CH	1.411	83.386	359.944	7.172	0.57458	2.62928	54	X
K20T05H	21.1	0.15	K20CH	323.151	326.420	175.822	4.594	0.39898	1.42509	53	X
K20T07C	19.6	0.15	K20CH	341.728	7.135	166.504	17.487	0.80269	1.98796	52	X
K20T07N	23.6	0.15	K20CH	7.844	5.272	63.774	10.924	0.38004	1.77533	52	X
K20T07Q	22.0	0.15	K20CH	358.766	69.303	23.196	6.201	0.35569	1.64602	77	X
K20T07T	22.3	0.15	K20CH	356.241	308.057	145.179	6.853	0.32845	1.70246	52	X
K20T08J	25.1	0.15	K20CH	8.124	10.235	62.316	5.745	0.27675	1.41594	52	X
K20T10L	22.6	0.15	K20CH	349.537	61.334	53.766	17.521	0.46756	1.73237	51	X
K20T12B	21.6	0.15	K20CH	347.194	353.959	126.829	8.915	0.51980	2.02763	51	X
K20T12X	17.8	0.15	K20CH	26.599	342.269	42.282	11.322	0.13159	2.57549	51	X
K20T12Y	17.2	0.15	K20CH	17.509	2.480	34.142	8.477	0.16133	2.94970	51	X
K20T12Z	16.7	0.15	K20CH	36.166	0.289	15.211	13.216	0.14937	3.28384	53	X
K20T13Q	19.2	0.15	K20CH	29.117	17.850	4.464	4.060	0.18533	2.14593	52	X
K20T13U	17.7	0.15	K20CH	24.101	354.077	30.325	4.593	0.17651	2.63762	51	X
K20T13X	17.7	0.15	K20CH	353.247	26.391	45.026	13.279	0.14019	2.60215	51	X
K20T14A	18.0	0.15	K20CH	13.728	153.702	244.489	12.807	0.26476	2.69955	42	V
K20T14B	17.6	0.15	K20CH	318.093	165.627	297.629	5.444	0.07666	2.65637	41	V
K20T14C	16.8	0.15	K20CH	1.730	111.753	305.231	10.949	0.13740	3.14667	42	V
K20T14E	17.9	0.15	K20CH	80.836	278.485	46.527	9.164	0.11655	2.55673	34	V
K20T14F	16.4	0.15	K20CH	357.951	144.518	275.234	1.378	0.16558	4.01277	39	V
K20T14G	17.1	0.15	K20CH	112.686	249.456	46.044	16.330	0.07687	3.13433	33	V
K20T14H	18.5	0.15	K20CH	58.306	88.738	261.575	2.231	0.10266	2.53783	39	V
K20T14J	18.5	0.15	K20CH	42.890	326.118	31.584	4.732	0.21209	2.80127	33	V
K20T14K	17.5	0.15	K20CH	54.955	107.144	248.487	5.750	0.07837	2.89309	33	V
K20T14L	17.7	0.15	K20CH	7.396	6.918	42.227	10.839	0.16553	3.01457	33	V
K20T14M	18.6	0.15	K20CH	16.265	157.520	241.774	5.498	0.14547	2.66539	41	V
K20T14N	19.2	0.15	K20CH	1.466	210.050	211.540	2.314	0.14797	2.25324	40	V
K20T14O	18.0	0.15	K20CH	44.074	301.822	60.107	5.525	0.14970	2.60511	40	V
K20T14P	17.9	0.15	K20CH	25.045	325.706	55.241	11.040	0.23651	2.69667	42	V
K20T14Q	17.5	0.15	K20CH	1.247	19.415	52.841	26.880	0.62224	6.00821	53	X
K20U00D	23.1	0.15	K20CH	11.522	329.381	76.374	2.248	0.48145	2.27781	58	X
K20U01L	20.1	0.15	K20CH	337.863	335.170	193.365	16.658	0.69509	1.76951	57	X
K20U01V	20.1	0.15	K20CH	76.293	88.077	208.306	16.833	0.64815	1.34292	50	X
K20U02G	21.6	0.15	K20CH	9.491	290.767	105.489	8.481	0.51917	2.59870	49	X
K20U02N	22.5	0.15	K20CH	358.207	43.386	44.500	8.786	0.53647	2.44804	50	X
K20U02S	23.7	0.15	K20CH	35.560	0.785	10.333	1.640	0.31909	1.51637	47	X
K20U05J	24.2	0.15	K20CH	10.971	150.090	268.665	3.879	0.35138	1.75281	70	X
K20U07F	24.7	0.15	K20CH	337.548	297.754	171.171	1.970	0.09373	1.12334	77	X
K20U07Z	17.8	0.15	K20CH	23.638	104.801	284.911	8.194	0.21609	2.57348	42	X
K20U08A	17.7	0.15	K20CH	353.365	156.933	277.109	8.905	0.21298	2.70303	31	V

K20U08B	18.4	0.15	K20CH	6.250	78.878	337.358	7.199	0.18746	2.54629	30	V
K20U08C	17.7	0.15	K20CH	58.102	253.190	85.111	6.217	0.27420	2.62704	34	V
K20U08E	18.4	0.15	K20CH	50.464	294.405	73.935	3.890	0.14708	2.15923	32	V
K20U08F	18.6	0.15	K20CH	0.016	350.290	79.810	5.848	0.13145	2.24389	31	V
K20U08G	17.9	0.15	K20CH	319.797	49.646	54.301	13.696	0.05889	2.52702	31	V
K20U08H	18.2	0.15	K20CH	0.505	7.870	53.091	12.043	0.15245	2.58665	31	V
K20V00T	25.3	0.15	K20CH	7.794	197.846	229.187	4.135	0.38422	1.67569	31	X
K20V01D	24.7	0.15	K20CH	32.652	309.615	78.554	6.123	0.25100	1.44534	32	X
K20V01E	22.8	0.15	K20CH	37.950	143.806	233.806	19.087	0.23624	1.50890	31	X
K20V01F	10.1	0.15	K20CH	351.620	220.076	251.031	53.558	0.66065	24.68444	53	X
K20V01K	24.0	0.15	K20CH	347.025	46.257	61.560	11.817	0.30417	1.43554	27	X
K20V01X	22.8	0.15	K20CH	11.001	180.383	211.746	4.047	0.58866	2.50966	25	X
K20V02F	23.6	0.15	K20CH	10.351	192.515	231.025	17.235	0.20303	1.39007	25	X
K20V02Z	24.9	0.15	K20CH	342.594	233.330	233.666	10.448	0.17881	1.23512	24	X
K20V03M	20.9	0.15	K20CH	11.448	136.485	291.882	13.463	0.31139	1.77211	25	X
K20V03N	20.2	0.15	K20CH	341.570	196.570	348.335	11.181	0.68001	1.77748	25	X
K20V03Q	23.0	0.15	K20CH	355.104	207.251	243.028	7.723	0.34568	1.72942	25	X
K20V03X	21.5	0.15	K20CH	18.470	6.161	6.096	12.254	0.61656	2.77204	25	X
K20V04D	21.4	0.15	K20CH	336.736	87.086	50.475	38.354	0.48042	2.12867	24	X
K20V04L	18.5	0.15	K20CH	57.881	18.870	238.710	55.942	0.93319	2.12727	24	X
K20V04U	24.3	0.15	K20CH	5.501	29.391	38.503	3.720	0.44866	1.94977	30	X
K20V05X	23.4	0.15	K20CH	73.367	312.406	24.594	3.860	0.23798	1.14179	22	X
K20V05Z	21.1	0.15	K20CH	149.629	44.679	246.170	22.635	0.29313	0.88906	21	X
K20V06C	21.0	0.15	K20CH	355.588	20.898	67.549	11.281	0.46190	2.74264	21	X
K20V06Q	21.1	0.15	K20CH	346.425	58.220	82.874	15.237	0.59690	2.45982	20	X
K20V07A	18.6	0.15	K20CH	4.675	104.725	323.381	0.901	0.17169	2.32798	13	V
K20V07B	18.3	0.15	K20CH	44.503	16.306	354.083	7.104	0.12329	2.34189	11	V
K20W00Y	26.2	0.15	K20CH	154.977	179.919	107.292	1.703	0.02875	1.01810	19	X
K20W01R	24.5	0.15	K20CH	186.092	207.790	46.232	10.799	0.31968	0.84245	17	X
K20W02B	23.5	0.15	K20CH	14.762	122.399	233.075	4.091	0.71345	2.73713	16	X
K20W02E	21.9	0.15	K20CH	351.540	46.497	57.293	34.376	0.41459	1.71209	24	X
K20W02F	22.1	0.15	K20CH	2.932	7.724	55.851	24.823	0.57511	2.69775	16	X
K20W02H	20.1	0.15	K20CH	10.285	131.252	276.772	32.729	0.62865	2.79959	16	X
K20W02T	21.0	0.15	K20CH	342.879	224.234	263.246	23.040	0.30667	1.34388	15	X
K20W02V	23.1	0.15	K20CH	1.608	54.406	34.639	10.795	0.53282	2.25906	15	X
K20W03C	22.4	0.15	K20CH	355.534	193.112	252.969	16.829	0.19392	1.40005	14	X
K20W03E	25.4	0.15	K20CH	4.799	188.525	247.449	12.717	0.29000	1.47980	14	X
K20W03F	23.7	0.15	K20CH	177.285	8.860	255.569	14.234	0.06818	1.06859	14	X
K20W03G	24.2	0.15	K20CH	17.077	110.643	270.420	6.079	0.55203	2.25626	14	X
K20W03K	25.1	0.15	K20CH	350.536	215.502	250.649	7.742	0.32633	1.44516	13	X
K20W03M	18.5	0.15	K20CH	354.074	165.821	319.352	40.355	0.49584	2.56263	14	X
K20W03O	23.1	0.15	K20CH	236.838	348.663	244.976	27.632	0.47752	0.75042	25	X
K20W03T	19.0	0.15	K20CH	284.166	167.098	33.016	58.643	0.54968	1.50857	31	X
K20W03Z	26.1	0.15	K20CH	99.540	86.215	238.872	6.681	0.16729	1.04516	12	X
K20W04P	22.1	0.15	K20CH	28.745	323.629	42.625	10.063	0.49517	1.74893	12	X
K20W04T	27.7	0.15	K20CH	200.486	169.736	77.398	0.799	0.17203	0.86814	11	X
K20W04V	24.3	0.15	K20CH	21.749	343.449	67.223	9.615	0.25419	1.42671	12	X
K20W04Z	24.4	0.15	K20CH	76.333	94.363	232.273	6.142	0.33976	1.12118	18	X
K20W05A	21.5	0.15	K20CH	351.415	167.484	307.686	5.739	0.49827	2.03183	10	X
K20W05F	27.8	0.15	K20CH	36.342	309.403	64.992	4.882	0.35279	1.38463	8	X
K20W05G	27.7	0.15	K20CH	43.877	304.857	71.303	1.051	0.25344	1.23501	8	X
K20W05L	21.3	0.15	K20CH	15.896	334.396	29.864	17.029	0.62915	2.47668	7	X
K20W05M	21.3	0.15	K20CH	10.439	316.272	67.124	15.634	0.70469	2.84034	7	X
K20W05S	21.0	0.15	K20CH	355.516	17.035	84.645	40.746	0.54744	2.56532	8	X
K20W05T	22.3	0.15	K20CH	351.635	333.367	129.426	12.741	0.40604	1.64235	3	X
K20X00C	29.0	0.15	K20CH	132.681	234.095	68.928	2.538	0.10985	0.93554	2	X

New observations:

K02G08Z	KC2020	12	05.27461208	00	49.47	+53	56	09.1	16.9	GVEX015V93	
K02G08Z	KC2020	12	05.30696208	01	16.84	+53	55	33.5	17.1	GVEX015V93	
K02G08Z	KC2020	12	05.33187408	01	37.86	+53	55	05.3	17.1	GVEX015V93	
K02T67S	KC2020	12	05.18826206	41	03.91	+23	17	25.8	18.1	GVEX015V93	
K02T67S	KC2020	12	05.22122306	41	03.37	+23	18	28.9	18.1	GVEX015V93	
K02T67S	KC2020	12	05.24734206	41	02.90	+23	19	19.4	18.0	GVEX015V93	
K03J17C	C2020	12	04.22880122	52	48.14	-42	14	08.9	19.01	oVEX015T08	
K03J17C	C2020	12	04.23202422	52	47.78	-42	14	01.2	18.96	oVEX015T08	
K03J17C	C2020	12	04.23524722	52	47.40	-42	13	53.5	18.73	oVEX015T08	
K03J17C	C2020	12	04.23893122	52	46.99	-42	13	44.9	18.82	oVEX015T08	
K03J17C	C2020	12	04.23939222	52	46.95	-42	13	43.3	18.84	oVEX015T08	
K03J17C	C2020	12	04.25000022	52	45.55	-42	13	17.9	18.76	oVEX015T08	
K03J17C	C2020	12	04.25644822	52	44.83	-42	13	02.8	18.88	oVEX015T08	
K03U03Q	C2020	12	04.25418	23	20	11.007	-04	32	29.56	21.1	wUEX015F52
K03U03Q	C2020	12	04.26511	23	20	12.582	-04	32	04.12	21.2	wUEX015F52
K03U03Q	C2020	12	04.27602	23	20	14.187	-04	31	38.88	20.9	wUEX015F52
K03U03Q	C2020	12	04.28694	23	20	15.803	-04	31	13.46	20.9	wUEX015F52
K03Y00J	C2020	12	04.35460304	49	50.34	-22	32	04.8	18.30	GVEX015703	
K03Y00J	C2020	12	04.35998104	49	48.41	-22	31	41.9	18.40	GVEX015703	
K03Y00J	C2020	12	04.36536504	49	46.33	-22	31	18.3	18.23	GVEX015703	
K03Y00J	C2020	12	04.37073904	49	44.27	-22	30	55.2	17.97	oVEX015T08	
K03Y00J	C2020	12	04.39730504	49	36.69	-22	28	54.2	18.20	oVEX015T08	
K03Y00J	C2020	12	04.39961304	49	35.78	-22	28	44.1	17.87	oVEX015T08	
K03Y00J	C2020	12	04.42762004	49	25.07	-22	26	43.6	18.03	oVEX015T08	
K03Y00J	C2020	12	04.45593304	49	14.26	-22	24	40.6	20.11	GVEX015703	
K04L03U	C2020	12	04.27261003	16	50.09	-03	11	51.4	19.63	GVEX015703	
K04L03U	C2020	12	04.27807603	16	49.94	-03	11	42.9	19.63	GVEX015703	
K04L03U	C2020	12	04.28354003	16	49.73	-03	11	33.7	oEX015291		
K05C37R	KC2020	12	04.53153	13	21	30.67	-08	50	51.5	oEX015291	
K05C37R	KC2020	12	04.53861	13	21	32.11	-08	51	11.1	LEX015C51	
K05Q10S	S2020	12	02.26114	01	05	28.47	-30	36	59.1	EX015C51	
K05Q10S	S2020	12	02.26114	1	+5740.6886	+1548.9845	-	3423.1298	17.97	oVEX015T08	
K05Q10S	S2020	12	02.32646	01	05	39.19	-30	35	13.1	LEX015C51	
K05Q10S	S2020	12	02.32646	1	+5719.1876	+1555.8601	-	3456.1222	EX015C51		
K05Q10S	S2020	12	02.39191	01	05	50.04	-30	33	28.5	LEX015C51	
K05Q10S	S2020	12	02.39191	1	+5740.4678	+1561.7540	-	3417.8957	EX015C51		

K05Q10S	S2020	12	02.45724	01	06	00.61	-30	31	41.8	LEX015C51	
K05Q10S	s2020	12	02.45724	1	+	5718.4849	+	1568.6612	-	3451.4661	EX015C51
K05Q10S	S2020	12	02.52269	01	06	11.48	-30	29	57.3	LEX015C51	
K05Q10S	s2020	12	02.52269	1	+	5739.7301	+	1574.5976	-	3413.2093	EX015C51
K05Q10S	S2020	12	02.58801	01	06	22.28	-30	28	10.4	LEX015C51	
K05Q10S	s2020	12	02.58801	1	+	5717.7655	+	1581.4653	-	3446.7803	EX015C51
K05Q10S	S2020	12	02.65346	01	06	33.12	-30	26	24.4	LEX015C51	
K05Q10S	s2020	12	02.65346	1	+	5738.9784	+	1587.4445	-	3408.4907	EX015C51
K05Q10S	S2020	12	02.71879	01	06	43.84	-30	24	38.9	LEX015C51	
K05Q10S	s2020	12	02.71879	1	+	5717.0187	+	1594.2729	-	3442.0832	EX015C51
K05Q10S	S2020	12	03.11112	01	07	48.31	-30	14	00.7	LEX015C51	
K05Q10S	s2020	12	03.11112	1	+	5714.7642	+	1632.7159	-	3427.6870	EX015C51
K05Q10S	S2020	12	03.24189	01	08	09.80	-30	10	27.4	LEX015C51	
K05Q10S	s2020	12	03.24189	1	+	5713.9463	+	1645.5371	-	3422.8836	EX015C51
K05Q10S	S2020	12	03.50345	01	08	52.68	-30	03	19.2	LEX015C51	
K05Q10S	s2020	12	03.50345	1	+	5712.5146	+	1671.1871	-	3412.7609	EX015C51
K05Q10S	S2020	12	03.50357	01	08	52.70	-30	03	20.0	LEX015C51	
K05Q10S	s2020	12	03.50357	1	+	5755.0712	+	1670.7945	-	3340.5666	EX015C51
K05Q10S	S2020	12	03.76500	01	09	35.35	-29	56	10.5	LEX015C51	
K05Q10S	s2020	12	03.76500	1	+	5710.8329	+	1696.8534	-	3402.8303	EX015C51
K06005V	KC2010	02	21.47395013	02	46	915+02	47	57.32		24.07GVEX015T12	
K06005V	C2010	03	24.53115012	43	13	676+08	19	28.35		22.95GVEX015T12	
K06005V	C2010	03	24.53512312	43	13	447+08	19	31.15		22.93GVEX015T12	
K06UI5L	KC2020	12	05.17728	01	25	36.27	+24	44	46.8	19.9 RoEX015691	
K06UI5L	KC2020	12	05.19238	01	25	31.96	+24	44	48.3	20.6 RoEX015691	
K06UI5L	KC2020	12	05.20780	01	25	27.58	+24	44	49.4	19.8 RoEX015691	
K07X10B	C2020	12	04.48560004	29	09	56	+36	04	03.3	20.21GVEX015G96	
K07X10B	C2020	12	04.49121604	29	08	87	+36	03	56.9	21.53GVEX015G96	
K07X10B	C2020	12	04.50243904	29	07	46	+36	03	43.2	20.51GVEX015G96	
K09K00K	C2020	12	04.29272003	48	59	62	+20	04	23.7	20.09GVEX015G96	
K09K00K	C2020	12	04.29790003	48	58	84	+20	04	30.5	20.34GVEX015G96	
K09K00K	C2020	12	04.30431303	48	57	89	+20	04	39.5	20.52GVEX015G96	
K09K00K	C2020	12	04.30950603	48	57	14	+20	04	46.5	20.71GVEX015G96	
K09K08K	KC2020	12	05.09883	00	12	35.84	-02	55	43.3	oEX015691	
K09K08K	KC2020	12	05.11256	00	12	37.98	-02	55	27.3	20.5 RoEX015691	
K09K08K	KC2020	12	05.12629	00	12	40.08	-02	55	09.8	20.9 RoEX015691	
K09W11D	C2020	12	04.27315703	12	56	17	+23	44	34.7	19.56GVEX015G96	
K09W11D	C2020	12	04.27829903	12	53	52	+23	44	45.1	19.44GVEX015G96	
K09W11D	C2020	12	04.28342003	12	50	90	+23	44	55.7	19.23GVEX015G96	
K09W11D	C2020	12	04.28854103	12	48	25	+23	45	06.1	19.07GVEX015G96	
K10P09K	C2010	08	02.37844	21	11	24.43	-04	19	56.8	17.1 RrEX015I41	
K10P09K	C2010	08	02.42479	21	10	20.86	-04	21	40.7	17.7 RrEX015I41	
K11W02L	KC2020	12	04.36821	06	29	45.69	-16	01	09.4	20.4 RoEX015691	
K11W02L	KC2020	12	04.37821	06	29	43.83	-16	01	22.4	oEX015691	
K11W02L	KC2020	12	04.38821	06	29	42.00	-16	01	35.0	oEX015691	
K13P06Y	KC2020	11	29.94532602	49	40	25	+06	14	56.9	17.5 RVEX015160	
K13P06Y	KC2020	11	29.94853002	49	40	52	+06	14	59.0	17.7 RVEX015160	
K13P06Y	C2020	12	04.44608502	56	53	47	+06	45	40.9	18.53oVEX015T05	
K13P06Y	C2020	12	04.45161702	56	53	93	+06	45	43.1	18.57oVEX015T05	
K13P06Y	C2020	12	04.45527902	56	54	23	+06	45	45.3	18.42oVEX015T05	
K13P06Y	C2020	12	04.46955002	56	55	51	+06	45	50.9	18.64oVEX015T05	
K13U14X	KC2020	12	04.06972	04	53	51.41	+37	35	52.8	qEX015V94	
K13U14X	KC2020	12	04.09764	04	53	49.61	+37	36	01.8	qEX015V94	
K13U14X	KC2020	12	04.12781	04	53	47.57	+37	36	11.6	qEX015V94	
K13U14X	KC2020	12	05.16576404	52	45	11	+37	40	25.8	17.3 GVEX015V93	
K13U14X	KC2020	12	05.21319304	52	41	87	+37	40	37.5	17.0 GVEX015V93	
K13U14X	KC2020	12	05.23842304	52	40	14	+37	40	43.3	17.0 GVEX015V93	
K13Y02S	C2020	12	04.37948204	33	02	37	+26	49	10.8	19.68GVEX015G96	
K13Y02S	C2020	12	04.38458904	33	02	65	+26	49	04.7	19.79GVEX015G96	
K13Y02S	C2020	12	04.38970104	33	02	93	+26	48	58.6	20.23GVEX015G96	
K13Y02S	C2020	12	04.39481404	33	03	21	+26	48	52.5	20.13GVEX015G96	
K14L26Q	C2020	12	04.46126	04	45	20.203+01	38	54.50		19.7 iUEX015F51	
K14L26Q	C2020	12	04.47372	04	45	19.344+01	38	58.23		19.8 iUEX015F51	
K14L26Q	C2020	12	04.48615	04	45	18.499+01	39	02.04		19.6 iUEX015F51	
K14UB6R	C2020	12	04.18963402	14	36	52	+25	32	47.1	21.10GVEX015G96	
K14UB6R	C2020	12	04.19483102	14	36	35	+25	32	44.2	21.05GVEX015G96	
K14UB6R	C2020	12	04.20002002	14	36	21	+25	32	41.9	21.48GVEX015G96	
K14UB6R	C2020	12	04.20519402	14	36	03	+25	32	38.7	20.86GVEX015G96	
K16B14Z	KC2020	12	04.49174	12	07	46.26	-08	45	08.0	20.8 RoEX015691	
K16B14Z	KC2020	12	04.50209	12	07	49.67	-08	45	05.2	21.0 RoEX015691	
K16B14Z	KC2020	12	04.51245	12	07	53.09	-08	45	01.7	20.6 RoEX015691	
K16E85D	C2020	12	04.63882212	26	05	07	+14	27	11.6	18.37oVEX015T05	
K16E85D	C2020	12	04.64203112	26	05	36	+14	27	07.2	18.43oVEX015T05	
K16E85D	C2020	12	04.65798312	26	06	99	+14	26	45.3	18.56oVEX015T05	
K16E85D	C2020	12	04.66279912	26	07	49	+14	26	38.8	18.51oVEX015T05	
K16J33U	C2020	12	04.21315702	50	23	34	+27	26	57.7	19.79GVEX015G96	
K16J33U	C2020	12	04.21828602	50	22	44	+27	26	54.0	oVEX015G96	
K16J33U	C2020	12	04.22343202	50	21	54	+27	26	49.7	oVEX015G96	
K16J33U	C2020	12	04.22858402	50	20	59	+27	26	45.4	oVEX015G96	
K16J34N	C2020	12	04.27315703	17	37	26	+23	12	26.2	20.01GVEX015G96	
K16J34N	C2020	12	04.27829903	17	35	93	+23	12	42.7	19.91GVEX015G96	
K16J34N	C2020	12	04.28342003	17	34	62	+23	12	59.3	19.78GVEX015G96	
K16J34N	C2020	12	04.28854103	17	33	32	+23	13	15.4	20.33GVEX015G96	
K16J34N	mc2020	12	05.32691903	13	19	75	+24	07	33.0	20.95GVEX015I52	
K16J34N	mc2020	12	05.32768603	13	19	56	+24	07	35.9	20.33GVEX015I52	
K16J34N	mc2020	12	05.32845403	13	19	39	+24	07	38.3	20.56GVEX015I52	
K16J34N	mc2020	12	05.32922403	13	19	16	+24	07	39.9	20.70GVEX015I52	
K16M00H	KC2017	03	18.11260	05	08	09.37	-19	25	55.2	oEX015291	
K16M00H	KC2017	03	18.12294	05	08	12.46	-19	25	53.0	oEX015291	
K16M00H	KC2017	03	18.13329	05	08	15.62	-19	25	50.0	oEX015291	
K16T54R	C2020	12	05.31554104	00	59	72	-01	22	24.8	19.95GVEX015I52	
K16T54R	C2020	12	05.31777504	00	58	86	-01	22	26.8	20.29GVEX015I52	
K16T54R	C2020	12	05.32145104	00	57	55	-01	22	28.8	20.11GVEX015I52	
K16T54R	C2020	12	05.32187104	00	57	43	-01	22	30.0	20.69GVEX015I52	



K16V010	KC2020	12	05.36519205	12	58.33	+18	31	38.9	21.63GVEX015V06
K16V010	KC2020	12	05.36994505	12	57.23	+18	31	38.4	21.90GVEX015V06
K16V010	KC2020	12	05.37470305	12	56.12	+18	31	37.2	22.41GVEX015V06
K16V010	KC2020	12	05.37946005	12	55.07	+18	31	36.3	22.74GVEX015V06
K16V04N	KC2020	12	05.24067002	39	54.51	+43	48	53.4	20.76GVEX015I52
K16V04N	KC2020	12	05.24598002	39	54.37	+43	48	39.5	21.39GVEX015I52
K16W10G	C2020	12	05.33290105	25	12.27	+62	13	46.8	20.30GVEX015I52
K16W10G	C2020	12	05.34370005	25	12.43	+62	14	13.6	19.64GVEX015I52
K16W10G	C2020	12	05.35358405	25	12.42	+62	14	37.1	20.73GVEX015I52
K17S19E	C2020	12	04.22583901	44	49.00	-06	31	02.0	18.82GVEX015703
K17S19E	C2020	12	04.23111101	44	48.53	-06	30	56.1	VEX015703
K17S19E	C2020	12	04.23638301	44	47.91	-06	30	50.1	18.76GVEX015703
K17S19E	C2020	12	04.24166201	44	47.37	-06	30	42.9	19.20GVEX015703
K17V12T	C2020	12	04.14907523	57	48.34	+42	54	21.9	18.15GVEX015G96
K17V12T	C2020	12	04.15428423	57	44.13	+42	54	18.2	18.24GVEX015G96
K17V12T	C2020	12	04.15950523	57	39.92	+42	54	14.4	18.11GVEX015G96
K17V12T	C2020	12	04.16474023	57	35.68	+42	54	10.6	18.21GVEX015G96
K17W16J	C2020	12	04.12434923	22	52.82	+44	04	55.9	19.87GVEX015G96
K17W16J	C2020	12	04.12946823	22	49.36	+44	04	26.0	19.23GVEX015G96
K17W16J	C2020	12	04.13459023	22	45.92	+44	03	56.3	18.48GVEX015G96
K17W16J	C2020	12	04.13970823	22	42.47	+44	03	25.2	19.86GVEX015G96
K17W29C	KC2020	12	05.24928907	37	48.88	+40	53	41.0	22.62GVEX015V06
K17W29C	KC2020	12	05.25484107	37	48.67	+40	53	43.2	VEX015V06
K17W29C	KC2020	12	05.26038407	37	48.26	+40	53	45.9	22.65GVEX015V06
K17W29C	KC2020	12	05.27530907	37	47.57	+40	53	51.0	22.02GVEX015V06
K17X62L	C2020	12	04.05814522	24	42.62	+29	52	48.4	20.40GVEX015G96
K17X62L	C2020	12	04.06406122	24	43.95	+29	52	49.1	20.64GVEX015G96
K17X62L	C2020	12	04.07001122	24	45.27	+29	52	49.4	20.77GVEX015G96
K17X62L	C2020	12	04.07592622	24	46.59	+29	52	50.0	20.39GVEX015G96
K18V04B	mc2020	12	05.31000803	48	41.14	-23	55	55.8	VEX015I52
K18V04B	mc2020	12	05.31077603	48	40.94	-23	55	58.0	22.17GVEX015I52
K18V04B	mc2020	12	05.31154403	48	40.75	-23	56	00.6	VEX015I52
K18V04B	mc2020	12	05.31231303	48	40.44	-23	56	03.7	22.04GVEX015I52
K19X00S	C2020	12	04.23137703	03	15.28	+27	48	06.9	20.79GVEX015G96
K19X00S	C2020	12	04.23654803	03	14.59	+27	48	04.5	20.74GVEX015G96
K19X00S	C2020	12	04.24172903	03	13.91	+27	48	01.8	20.81GVEX015G96
K19X00S	C2020	12	04.24689603	03	13.22	+27	47	59.4	20.81GVEX015G96
K20L02A	C2020	12	04.46249704	26	03.84	+30	17	57.8	19.54GVEX015G96
K20L02A	C2020	12	04.46793804	26	03.56	+30	17	57.3	19.93GVEX015G96
K20L02A	C2020	12	04.47340904	26	03.30	+30	17	56.0	20.05GVEX015G96
K20L02A	C2020	12	04.47882604	26	02.98	+30	17	55.2	20.05GVEX015G96
K20L02A	C2020	12	05.14373504	25	31.41	+30	16	38.0	20.59GVEX015I52
K20L02A	C2020	12	05.14774404	25	31.17	+30	16	37.2	21.10GVEX015I52
K20L02A	C2020	12	05.15217404	25	30.91	+30	16	37.2	20.31GVEX015I52
K20L02A	C2020	12	05.15727604	25	30.76	+30	16	36.0	VEX015I52
K20003W	C2020	12	05.28591101	48	14.69	+46	51	15.0	20.66GVEX015I52
K20003W	C2020	12	05.28961401	48	15.23	+46	51	09.7	20.16GVEX015I52
K20003W	C2020	12	05.29038201	48	15.33	+46	51	08.6	20.23GVEX015I52
K20003W	C2020	12	05.29115001	48	15.46	+46	51	07.7	20.04GVEX015I52
K20008C	C2020	12	04.25001402	49	47.92	-08	56	37.1	19.15GVEX015703
K20008C	C2020	12	04.25528502	49	49.10	-08	56	28.5	19.85GVEX015703
K20008C	C2020	12	04.26582902	49	51.62	-08	56	10.0	19.39GVEX015703
K20008C	C2020	12	04.37304002	50	20.28	-08	53	05.5	18.64oVEX015T08
K20008C	C2020	12	04.40761102	50	28.74	-08	52	08.1	18.39oVEX015T08
K20008C	C2020	12	04.41083802	50	29.57	-08	52	02.6	18.48oVEX015T08
K20008C	C2020	12	04.41913402	50	31.59	-08	51	49.0	18.44oVEX015T08
K20P01D	C2020	12	05.20570203	05	57.48	-19	58	43.8	20.10GVEX015I52
K20P01D	C2020	12	05.20971803	05	57.76	-19	58	43.2	19.24GVEX015I52
K20P01D	C2020	12	05.21278603	05	57.97	-19	58	41.4	19.36GVEX015I52
K20P01D	C2020	12	05.22006303	05	58.48	-19	58	39.4	19.03GVEX015I52
K20P01X	mc2020	12	05.25623506	13	19.80	+57	20	02.9	20.19GVEX015I52
K20P01X	mc2020	12	05.25883806	13	19.59	+57	19	55.5	21.08GVEX015I52
K20P01X	mc2020	12	05.26078306	13	19.46	+57	19	50.3	19.56GVEX015I52
K20P01X	mc2020	12	05.26266906	13	19.29	+57	19	45.0	20.44GVEX015I52
K20P07K	mc2020	12	05.20779801	59	07.23	+38	32	17.2	19.68GVEX015I52
K20P07K	mc2020	12	05.20856501	59	07.58	+38	32	16.4	19.89GVEX015I52
K20P07K	mc2020	12	05.21086601	59	08.58	+38	32	14.5	19.90GVEX015I52
K20P07K	mc2020	12	05.21163301	59	08.92	+38	32	14.0	19.81GVEX015I52
K20Q03P	C2020	12	04.25647203	01	51.72	+29	08	44.1	21.27GVEX015G96
K20Q03P	C2020	12	04.26169303	01	52.48	+29	08	40.6	20.64GVEX015G96
K20Q03P	C2020	12	04.26691703	01	53.17	+29	08	38.6	20.08GVEX015G96
K20Q04M	C2020	12	04.37006 01	24	03.057+35	26	46.10	20.6 iUEX015F51	
K20Q04M	C2020	12	04.38182 01	24	02.860+35	26	45.70	20.5 iUEX015F51	
K20Q04M	C2020	12	04.39361 01	24	02.671+35	26	45.30	20.3 iUEX015F51	
K20Q04M	KC2020	12	05.28476601	23	52.66	+35	26	35.0	20.67GVEX015I52
K20Q04M	KC2020	12	05.30306101	23	52.42	+35	26	34.2	20.53GVEX015I52
K20Q04M	KC2020	12	05.32011701	23	52.24	+35	26	34.1	20.52GVEX015I52
K20Q04M	KC2020	12	05.33939301	23	52.07	+35	26	33.8	21.27GVEX015I52
K20Q05F	KC2020	12	05.42695705	52	05.40	-04	33	23.4	20.71GVEX015I52
K20Q05F	KC2020	12	05.43362705	52	05.02	-04	33	18.9	20.41GVEX015I52
K20Q05F	KC2020	12	05.44234805	52	04.48	-04	33	15.5	20.81GVEX015I52
K20Q05F	KC2020	12	05.44902205	52	04.11	-04	33	13.0	VEX015I52
K20Q06Q	C2020	12	05.15826500	59	41.31	+12	10	07.8	20.02GVEX015I52
K20Q06Q	C2020	12	05.16020500	59	41.57	+12	10	09.0	20.04GVEX015I52
K20Q06Q	C2020	12	05.16214500	59	41.83	+12	10	09.3	20.04GVEX015I52
K20Q06Q	C2020	12	05.16408700	59	42.11	+12	10	10.3	19.85GVEX015I52
K20Q06Q	C2020	12	05.27573 00	59	57.50	+12	10	52.9	20.5 VoEX015691
K20Q06Q	C2020	12	05.28371 00	59	58.66	+12	10	56.5	20.6 VoEX015691
K20Q06Q	C2020	12	05.29006 00	59	59.53	+12	10	59.4	20.6 VoEX015691
K20Q07A	C2020	12	04.40047604	41	31.72	+24	51	22.3	19.04GVEX015G96
K20Q07A	C2020	12	04.40573904	41	31.60	+24	51	15.8	19.01GVEX015G96
K20Q07A	C2020	12	04.41097704	41	31.48	+24	51	09.6	19.13GVEX015G96
K20Q07A	C2020	12	04.41623004	41	31.35	+24	51	03.3	19.22GVEX015G96
K20Q07A	C2020	12	05.14254904	41	20.14	+24	36	55.9	19.14GVEX015I52

K20Q07A	C2020	12	05.14514104	41	20.09	+24	36	53.1	18.77GVEX015I52
K20Q07A	C2020	12	05.14816304	41	19.99	+24	36	49.7	18.98GVEX015I52
K20Q07A	C2020	12	05.15175004	41	19.94	+24	36	45.6	18.87GVEX015I52
K20R00U	C2020	12	05.35731107	37	29.81	+66	16	38.9	VEX015I52
K20R00U	C2020	12	05.36570207	37	29.25	+66	16	30.3	19.56GVEX015I52
K20R00U	C2020	12	05.36889707	37	28.96	+66	16	26.7	19.86GVEX015I52
K20R00U	C2020	12	05.37210707	37	28.68	+66	16	24.0	19.80GVEX015I52
K20R11Q	KC2020	12	05.23028 23	53	09.42	+20	43	53.8	21.1 RoEX015691
K20R11Q	KC2020	12	05.24550 23	53	10.40	+20	45	15.1	20.4 RoEX015691
K20R11Q	KC2020	12	05.26074 23	53	11.43	+20	46	36.9	21.4 RoEX015691
K20S000	C2020	10	18.94102301	53	12.19	+02	26	59.5	20.7 GVEX015598
K20S000	C2020	10	18.94402101	53	11.72	+02	26	58.5	19.7 GVEX015598
K20S000	C2020	10	18.95151901	53	10.55	+02	26	56.7	20.2 GVEX015598
K20S000	C2020	10	18.95301801	53	10.32	+02	26	56.1	20.9 GVEX015598
K20S000	C2020	10	18.95602501	53	09.86	+02	26	55.3	19.6 GVEX015598
K20S000	C2020	10	18.96203101	53	08.92	+02	26	53.8	20.8 GVEX015598
K20S000	C2020	12	04.27488623	40	04.88	-21	05	19.4	16.79oVEX015T08
K20S000	C2020	12	04.27811123	40	05.17	-21	04	36.8	16.72oVEX015T08
K20S000	C2020	12	04.28363323	40	05.76	-21	03	22.5	16.88oVEX015T08
K20S000	C2020	12	04.29607323	40	07.49	-21	00	32.4	16.88oVEX015T08
K20S000	C2020	12	05.06158223	56	54.06	-19	12	39.6	17.18GVEX015I52
K20S000	C2020	12	05.06177023	56	54.04	-19	12	37.9	17.19GVEX015I52
K20S000	C2020	12	05.06491823	56	53.82	-19	12	16.1	17.28GVEX015I52
K20S000	C2020	12	05.06807423	56	53.58	-19	11	53.7	17.31GVEX015I52
K20S000	KC2020	12	05.14286 23	56	49.36	-19	01	33.9	17.1 RoEX015691
K20S000	KC2020	12	05.15132 23	56	48.89	-19	00	16.3	17.0 RoEX015691
K20S000	KC2020	12	05.15949 23	56	48.56	-18	58	59.5	17.1 RoEX015691
K20S01C	C2020	12	04.37654 02	37	10.313+28	59	17.48	19.7 iUEX015F51	
K20S01C	C2020	12	04.38830 02	37	11.461+28	59	09.33	19.5 iUEX015F51	
K20S01C	C2020	12	04.41191 02	37	13.789+28	58	52.65	19.6 iUEX015F51	
K20S01C	C2020	12	05.22872402	38	47.06	+28	49	38.4	19.37GVEX015I52
K20S01C	C2020	12	05.23939602	38	48.16	+28	49	30.9	19.50GVEX015I52
K20S01C	C2020	12	05.24196802	38	48.40	+28	49	28.8	19.96GVEX015I52
K20S01C	C2020	12	05.24462202	38	48.67	+28	49	27.2	19.65GVEX015I52
K20S01K	KC2020	12	05.27881807	01	17.42	+35	41	46.8	20.54GVEX015I52
K20S01K	KC2020	12	05.28261707	01	17.21	+35	41	47.1	20.11GVEX015I52
K20S01K	KC2020	12	05.28775607	01	16.90	+35	41	47.5	21.33GVEX015I52
K20S03F	C2020	12	04.27269403	18	43.07	+20	06	20.4	22.08GVEX015G96
K20S03F	C2020	12	04.27783603	18	43.14	+20	06	22.6	21.35GVEX015G96
K20S03F	C2020	12	04.28295803	18	43.23	+20	06	24.9	21.14GVEX015G96
K20S03F	C2020	12	04.28807903	18	43.29	+20	06	26.9	21.39GVEX015G96
K20S18K	C2020	12	04.39905604	44	16.83	+22	53	34.3	20.39GVEX015G96
K20S18K	C2020	12	04.40430404	44	16.39	+22	53	34.9	20.16GVEX015G96
K20S18K	C2020	12	04.40955904	44	15.94	+22	53	36.1	19.86GVEX015G96
K20S18K	C2020	12	04.41479704	44	15.54	+22	53	36.9	20.33GVEX015G96
K20S18K	C2020	12	05.34227604	43	04.49	+22	56	20.3	20.67GVEX015I52
K20S18K	C2020	12	05.34900004	43	03.93	+22	56	21.0	20.50GVEX015I52
K20S18K	C2020	12	05.35204504	43	03.71	+22	56	21.4	20.12GVEX015I52
K20T03G	C2020	12	05.25383305	59	22.52	-13	17	48.8	21.10GVEX015I52
K20T03G	C2020	12	05.25481505	59	22.92	-13	17	51.9	19.76GVEX015I52
K20T03G	C2020	12	05.25506205	59	23.04	-13	17	53.1	20.01GVEX015I52
K20T03G	C2020	12	05.25740905	59	23.78	-13	18	00.6	20.30GVEX015I52
K20T04G	KC2020	12	05.17406405	14	30.89	+23	03	11.0	17.1 GVEX015V93
K20T04G	KC2020	12	05.20458805	14	34.93	+23	02	26.4	17.1 GVEX015V93
K20T04G	KC2020	12	05.23206005	14	38.51	+23	01	45.8	17.1 GVEX015V93
K20T04M	C2020	12	05.36100407	52	03.74	+64	49	35.9	19.59GVEX015I52
K20T04M	C2020	12	05.36839907	52	07.62	+64	49	33.7	VEX015I52
K20T04M	C2020	12	05.36939307	52	08.22	+64	49	33.7	19.50GVEX015I52
K20T04M	C2020	12	05.36981507	52	08.36	+64	49	32.8	19.96GVEX015I52
K20T05H	S2020	12	02.65767 00	27	17.22	-09	29	13.1	19 RLEX015C51
K20T05H	s2020	12	02.65767 1 +	6656.7359 +	1430.8248 -	822.7544			EX015C51
K20T05H	S2020	12	02.78844 00	27	13.04	-09	29	54.3	LEX015C51
K20T05H	s2020	12	02.78844 1 +	6654.2751 +	1445.2178 -	817.2637			EX015C51
K20T05H	S2020	12	03.04999 00	27	05.27	-09	31	21.3	LEX015C51
K20T05H	s2020	12	03.04999 1 +	6649.2525 +	1473.9877 -	806.2592			EX015C51
K20T05H	S2020	12	03.11532 00	27	03.27	-09	31	41.9	LEX015C51
K20T05H	s2020	12	03.11532 1 +	6641.9782 +	1485.3561 -	844.7828			EX015C51
K20T05H	S2020	12	03.18077 00	27	01.45	-09	32	05.1	LEX015C51
K20T05H	s2020	12	03.18077 1 +	6646.6992 +	1488.3586 -	800.6882			EX015C51
K20T05H	KC2020	12	05.10227 00	26	12.48	-09	41	37.6	21.1 RoEX015691
K20T05H	KC2020	12	05.11601 00	26	12.09	-09	41	41.0	21.1 RoEX015691
K20T05H	KC2020	12	05.12974 00	26	11.65	-09	41	44.9	20.6 RoEX015691
K20T07C	KC2020	12	05.14598 00	51	15.54	-30	41	22.7	oEX015691
K20T07C	KC2020	12	05.15430 00	51	13.89	-30	41	28.9	oEX015691
K20T07N	mc2020	12	05.26357906	36	09.67	+42	47	00.5	VEX015I52
K20T07N	mc2020	12	05.26434706	36	09.94	+42	47	03.7	20.83GVEX015I52
K20T07N	mc2020	12	05.26511506	36	09.98	+42	47	06.5	19.95GVEX015I52
K20T07N	mc2020	12	05.26588206	36	10.15	+42	47	10.6	20.84GVEX015I52
K20T07Q	C2020	12	05.37100308	57	37.59	+60	19	08.7	19.49GVEX015I52
K20T07Q	C2020	12	05.37142408	57	37.84	+60	19	08.3	19.86GVEX015I52
K20T07Q	C2020	12	05.37331108	57	39.01	+60	19	09.2	19.53GVEX015I52
K20T07Q	C2020	12	05.38037908	57	43.24	+60	19	11.6	19.17GVEX015I52
K20T07T	KC2020	12	04.30614 05	37	14.06	-14	28	24.9	21.0 RoEX015691
K20T07T	KC2020	12	04.32545 05	37	15.14	-14	28	29.2	oEX015691
K20T07T	KC2020	12	04.34467 05	37	16.27	-14	28	34.2	oEX015691
K20T07T	HC2020	12	05.35496205	38	30.08	-14	32	04.3	21.72GVEX015I52
K20T07T	HC2020	12	05.35866505	38	30.32	-14	32	04.1	20.75GVEX015I52
K20T07T	HC2020	12	05.36334705	38	30.54	-14	32	05.7	20.97GVEX015I52
K20T07T	HC2020	12	05.36705805	38	30.77	-14	32	04.6	20.35GVEX015I52
K20T08J	mc2020	12	05.27981507	40	43.06	+47	18	51.8	19.72GVEX015I52
K20T08J	mc2020	12	05.28023507	40	43.28	+47	18	54.2	20.80GVEX015I52
K20T08J	mc2020	12	05.28065507	40	43.60	+47	18	55.3	20.40GVEX015I52
K20T08J	mc2020	12	05.28107607	40	43.83	+47	18	57.9	19.69GVEX015I52
K20T10L	C2020	12	04.08208722	55	16.19	+41	42	05.2	19.74GVEX015G96

K20T10L	C2020	12	04.08787422	55	10.71	+41	42	41.2	19.94GVEX015G96
K20T10L	C2020	12	04.09364822	55	05.20	+41	43	17.0	20.17GVEX015G96
K20T10L	C2020	12	04.09943522	54	59.75	+41	43	52.9	20.22GVEX015G96
K20T12B	HC2020	12	05.16923 02	28	12.52	-24	43	17.3	oEX015691
K20T12B	HC2020	12	05.18416 02	28	11.19	-24	43	26.0	oEX015691
K20T12B	HC2020	12	05.19454402	28	10.35	-24	43	32.9	VEX015I52
K20T12B	HC2020	12	05.19736902	28	10.05	-24	43	34.2	VEX015I52
K20T12B	HC2020	12	05.19948 02	28	09.88	-24	43	34.9	oEX015691
K20T12B	HC2020	12	05.19972702	28	09.94	-24	43	35.3	VEX015I52
K20T12B	HC2020	12	05.20255402	28	09.60	-24	43	36.6	21.55GVEX015I52
K20U00D	KC2020	12	05.33046304	14	39.34	+20	18	38.4	20.57GVEX015I52
K20U00D	KC2020	12	05.34113204	14	40.19	+20	18	48.2	VEX015I52
K20U00D	KC2020	12	05.34665104	14	40.48	+20	18	52.4	VEX015I52
K20U00D	KC2020	12	05.41406 04	14	45.47	+20	19	50.4	oEX015691
K20U00D	KC2020	12	05.43309 04	14	46.91	+20	20	06.4	21.4 RoEX015691
K20U00D	KC2020	12	05.45212 04	14	48.44	+20	20	22.1	oEX015691
K20U01L	KC2020	12	05.10712 01	26	52.26	-28	42	25.4	21.3 RoEX015691
K20U01L	KC2020	12	05.12085 01	26	48.99	-28	42	57.3	oEX015691
K20U01L	KC2020	12	05.13458 01	26	45.90	-28	43	29.7	oEX015691
K20U01V	mc2020	12	05.28532305	28	14.07	-08	53	33.8	VEX015V06
K20U01V	mc2020	12	05.28611505	28	13.90	-08	53	34.6	VEX015V06
K20U01V	mc2020	12	05.28690705	28	13.73	-08	53	34.6	VEX015V06
K20U02G	KC2020	12	05.18762702	09	27.51	-07	31	49.7	21.68GVEX015V06
K20U02G	KC2020	12	05.18940402	09	27.72	-07	31	45.1	21.77GVEX015V06
K20U02G	KC2020	12	05.19118102	09	27.91	-07	31	40.7	21.54GVEX015V06
K20U02G	KC2020	12	05.19295802	09	28.08	-07	31	36.9	21.33GVEX015V06
K20U02N	mc2020	12	05.31365502	21	07.97	+37	01	10.6	20.70GVEX015I52
K20U02N	mc2020	12	05.31442202	21	08.00	+37	01	13.1	20.33GVEX015I52
K20U02N	mc2020	12	05.31666302	21	08.03	+37	01	21.3	20.59GVEX015I52
K20U02N	mc2020	12	05.31888502	21	08.05	+37	01	28.7	20.76GVEX015I52
K20U02S	KC2020	12	05.31285901	55	06.96	+19	49	39.1	21.73GVEX015V06
K20U02S	KC2020	12	05.31602901	55	07.60	+19	49	41.7	21.86GVEX015V06
K20U02S	KC2020	12	05.31919801	55	08.31	+19	49	44.4	21.65GVEX015V06
K20U02S	KC2020	12	05.32236701	55	08.99	+19	49	47.0	22.02GVEX015V06
K20U05J	mc2020	12	05.11381304	02	59.79	+28	48	50.4	22.12GVEX015V06
K20U05J	mc2020	12	05.11495204	02	59.97	+28	48	49.0	21.48GVEX015V06
K20U05J	mc2020	12	05.11609004	03	00.10	+28	48	48.2	21.72GVEX015V06
K20U05J	mc2020	12	05.11722904	03	00.28	+28	48	46.5	21.33GVEX015V06
K20U07F	KC2020	12	05.17180 02	18	27.80	-13	41	45.2	20.8 RoEX015691
K20U07F	KC2020	12	05.18673 02	18	27.50	-13	41	47.1	21.2 RoEX015691
K20U07F	KC2020	12	05.20206 02	18	27.23	-13	41	48.7	20.6 RoEX015691
K20U07G	C2020	12	04.21083702	40	37.04	+17	56	42.3	21.33GVEX015G96
K20U07G	C2020	12	04.22111602	40	35.79	+17	56	48.2	21.07GVEX015G96
K20U07G	C2020	12	04.22626502	40	35.13	+17	56	51.0	21.13GVEX015G96
K20V00T	KC2020	12	05.32273504	39	43.48	-10	21	48.0	19.87GVEX015I52
K20V00T	KC2020	12	05.32372204	39	44.05	-10	21	49.3	20.43GVEX015I52
K20V00T	KC2020	12	05.32470904	39	44.64	-10	21	50.9	19.97GVEX015I52
K20V00T	KC2020	12	05.32569604	39	45.19	-10	21	52.1	19.57GVEX015I52
K20V01D	KC2020	12	05.34631603	55	13.50	+14	56	21.0	22.00GVEX015V06
K20V01D	KC2020	12	05.34869303	55	13.47	+14	56	27.0	21.52GVEX015V06
K20V01E	KC2020	12	05.23737903	11	32.18	-02	37	51.7	21.08GVEX015V06
K20V01E	KC2020	12	05.23975403	11	32.29	-02	37	57.4	21.32GVEX015V06
K20V01E	KC2020	12	05.24213003	11	32.40	-02	38	03.2	21.42GVEX015V06
K20V01E	KC2020	12	05.24450603	11	32.48	-02	38	08.8	20.93GVEX015V06
K20V01K	KC2020	12	05.24775701	19	20.28	+31	19	31.8	19.89GVEX015I52
K20V01K	KC2020	12	05.24874301	19	19.89	+31	19	40.3	19.98GVEX015I52
K20V01K	KC2020	12	05.24973001	19	19.48	+31	19	48.2	19.64GVEX015I52
K20V01K	KC2020	12	05.25071901	19	19.09	+31	19	56.3	19.63GVEX015I52
K20V01X	mc2020	12	05.17868902	44	13.89	-02	16	06.3	20.00GVEX015I52
K20V01X	mc2020	12	05.17945602	44	14.22	-02	16	05.3	19.95GVEX015I52
K20V01X	mc2020	12	05.18022302	44	14.53	-02	16	03.1	20.19GVEX015I52
K20V01X	mc2020	12	05.18099102	44	14.82	-02	16	01.5	20.67GVEX015I52
K20V02F	KC2020	12	05.22771402	40	35.75	-18	55	49.8	21.81GVEX015V06
K20V02F	KC2020	12	05.23008902	40	36.12	-18	55	57.8	22.62GVEX015V06
K20V02F	KC2020	12	05.23246502	40	36.47	-18	56	05.9	21.94GVEX015V06
K20V02F	KC2020	12	05.23484102	40	36.80	-18	56	14.3	22.69GVEX015V06
K20V02Z	KC2020	12	05.15148902	22	16.98	-19	52	23.1	22.11GVEX015V06
K20V02Z	KC2020	12	05.15504102	22	17.35	-19	52	44.2	21.16GVEX015V06
K20V02Z	KC2020	12	05.15859502	22	17.64	-19	53	04.5	22.29GVEX015V06
K20V02Z	KC2020	12	05.16215202	22	18.04	-19	53	25.4	21.99GVEX015V06
K20V03M	C2020	12	05.37040208	08	49.62	+47	26	47.2	19.98GVEX015I52
K20V03M	C2020	12	05.37271108	08	49.63	+47	26	43.5	20.38GVEX015I52
K20V03M	C2020	12	05.37533108	08	49.58	+47	26	38.9	20.38GVEX015I52
K20V03M	C2020	12	05.37799608	08	49.55	+47	26	34.3	20.20GVEX015I52
K20V03N	KC2020	12	04.53950511	13	58.38	+53	09	57.8	19.48GVEX015I52
K20V03N	KC2020	12	04.54076811	13	59.48	+53	09	55.9	19.43GVEX015I52
K20V03N	KC2020	12	04.54202911	14	00.59	+53	09	53.5	19.73GVEX015I52
K20V03N	KC2020	12	04.54329011	14	01.73	+53	09	50.9	19.69GVEX015I52
K20V03N	mc2020	12	05.47418511	28	23.88	+52	37	41.3	19.10GVEX015I52
K20V03N	mc2020	12	05.47460511	28	24.21	+52	37	40.1	VEX015I52
K20V03N	mc2020	12	05.47502511	28	24.60	+52	37	38.8	19.50GVEX015I52
K20V03N	mc2020	12	05.47544611	28	24.95	+52	37	37.5	VEX015I52
K20V03Q	KC2020	12	05.22120502	49	15.96	+11	28	33.5	20.74GVEX015I52
K20V03Q	KC2020	12	05.22246902	49	16.10	+11	28	31.1	20.04GVEX015I52
K20V03Q	KC2020	12	05.22373002	49	16.19	+11	28	27.8	20.19GVEX015I52
K20V03X	KC2020	12	05.21173907	05	48.72	+56	42	23.5	21.51GVEX015V06
K20V03X	KC2020	12	05.21569907	05	48.13	+56	42	23.5	21.71GVEX015V06
K20V03X	KC2020	12	05.21965807	05	47.58	+56	42	24.1	21.58GVEX015V06
K20V03X	KC2020	12	05.22361807	05	47.23	+56	42	24.8	VEX015V06
K20V04D	KC2020	12	05.09618601	46	24.24	+36	41	39.5	21.31GVEX015V06
K20V04D	KC2020	12	05.10093601	46	22.86	+36	41	49.2	21.28GVEX015V06
K20V04D	KC2020	12	05.10568701	46	21.49	+36	41	58.9	21.27GVEX015V06
K20V04D	KC2020	12	05.11044201	46	20.14	+36	42	08.7	21.44GVEX015V06
K20V04L	KC2020	12	05.16705503	25	48.07	+15	00	11.3	22.49GVEX015V06

K20V04L	KC2020	12	05.17259803	25	47.48	+15	00	07.4	22.50GVEX015V06
K20V04L	KC2020	12	05.17814003	25	46.88	+15	00	03.9	21.49GVEX015V06
K20V04L	KC2020	12	05.18368303	25	46.27	+15	00	00.5	22.80GVEX015V06
K20V04U	C2020	12	04.25404202	47	17.04	+38	29	10.6	20.70GVEX015G96
K20V04U	C2020	12	04.25927002	47	18.82	+38	29	29.1	20.81GVEX015G96
K20V04U	C2020	12	04.26972202	47	22.43	+38	30	06.6	20.58GVEX015G96
K20V04U	mc2020	12	05.15408202	53	08.65	+39	23	01.7	20.73GVEX015I52
K20V04U	mc2020	12	05.15485002	53	08.91	+39	23	04.3	20.45GVEX015I52
K20V04U	mc2020	12	05.15561802	53	09.24	+39	23	07.6	20.67GVEX015I52
K20V04U	mc2020	12	05.15638502	53	09.50	+39	23	10.1	20.31GVEX015I52
K20V05X	KC2020	12	05.29448 00	59	36.60	+28	22	57.4	21.6 RoEX015691
K20V05X	KC2020	12	05.30502 00	59	40.17	+28	23	06.2	oEX015691
K20V05X	KC2020	12	05.31558 00	59	43.71	+28	23	14.9	21.2 RoEX015691
K20V05Z	KC2020	12	04.46747 08	45	03.44	-14	18	27.6	20.3 RoEX015291
K20V05Z	KC2020	12	04.47570 08	45	01.80	-14	19	07.5	20.3 RoEX015291
K20V05Z	KC2020	12	04.48400 08	45	00.16	-14	19	48.0	20.5 RoEX015291
K20V05Z	mc2020	12	05.38416108	42	10.38	-15	32	26.6	19.74GVEX015I52
K20V05Z	mc2020	12	05.38492808	42	10.16	-15	32	30.8	VEX015I52
K20V05Z	mc2020	12	05.38569608	42	10.00	-15	32	34.8	20.71GVEX015I52
K20V05Z	mc2020	12	05.38646408	42	09.86	-15	32	38.1	19.15GVEX015I52
K20V06Q	C2020	12	05.25432504	58	51.39	+12	10	24.7	19.68GVEX015I52
K20V06Q	C2020	12	05.25790104	58	51.14	+12	10	32.1	19.39GVEX015I52
K20V06Q	C2020	12	05.25984004	58	50.98	+12	10	36.3	19.29GVEX015I52
K20V06Q	C2020	12	05.26172704	58	50.83	+12	10	40.5	19.00GVEX015I52
K20W00Y	,C2020	12	04.43870 04	26	59.79	+04	00	35.7	20.8 GVEX015E10
K20W00Y	,C2020	12	04.44116 04	26	59.18	+04	00	40.0	21.1 GVEX015E10
K20W00Y	,C2020	12	04.44239 04	26	58.94	+04	00	41.6	20.9 GVEX015E10
K20W00Y	KC2020	12	05.36378 04	23	55.83	+04	22	01.0	oEX015291
K20W00Y	KC2020	12	05.37852 04	23	52.39	+04	22	23.5	21.1 RoEX015291
K20W00Y	KC2020	12	05.39327 04	23	49.06	+04	22	46.1	21.1 RoEX015291
K20W01R	KC2020	12	05.29162701	30	52.37	+40	57	35.4	22.38GVEX015V06
K20W01R	KC2020	12	05.29717301	30	50.82	+40	57	28.7	21.92GVEX015V06
K20W01R	KC2020	12	05.30273301	30	49.31	+40	57	22.3	22.26GVEX015V06
K20W01R	KC2020	12	05.30828601	30	47.75	+40	57	15.9	22.68GVEX015V06
K20W02B	HC2020	12	05.18809904	51	47.80	+13	28	46.0	VEX015I52
K20W02B	HC2020	12	05.19185904	51	47.57	+13	28	47.0	VEX015I52
K20W02B	HC2020	12	05.19854504	51	47.21	+13	28	49.4	20.07GVEX015I52
K20W02B	HC2020	12	05.20373004	51	46.93	+13	28	49.4	21.40GVEX015I52
K20W02E	C2020	12	04.12851723	26	28.65	+40	20	44.8	20.01GVEX015G96
K20W02E	C2020	12	04.13364023	26	24.89	+40	21	19.6	20.02GVEX015G96
K20W02E	C2020	12	04.13875723	26	21.17	+40	21	54.1	20.45GVEX015G96
K20W02E	C2020	12	04.14387423	26	17.39	+40	22	28.7	20.01GVEX015G96
K20W02E	KC2020	12	05.17130923	14	19.72	+42	12	17.5	20.51GVEX015I52
K20W02E	KC2020	12	05.17494323	14	17.16	+42	12	39.3	20.43GVEX015I52
K20W02E	KC2020	12	05.17592723	14	16.45	+42	12	45.0	20.75GVEX015I52
K20W02E	KC2020	12	05.17691223	14	15.75	+42	12	50.9	19.93GVEX015I52
K20W02F	KC2020	12	05.15923600	50	50.99	+25	15	28.7	21.14GVEX015I52
K20W02F	KC2020	12	05.16117400	50	50.84	+25	15	41.6	20.79GVEX015I52
K20W02F	KC2020	12	05.16311600	50	50.76	+25	15	54.3	20.64GVEX015I52
K20W02F	KC2020	12	05.16505700	50	50.61	+25	16	08.1	21.03GVEX015I52
K20W02H	KC2020	12	04.45935 10	11	33.33	+26	28	47.7	19.9 RoEX015691
K20W02H	KC2020	12	04.46818 10	11	31.56	+26	28	04.2	20.0 RoEX015691
K20W02H	KC2020	12	04.47702 10	11	29.78	+26	27	20.6	19.7 RoEX015691
K20W02T	KC2020	12	04.42977 10	50	39.43	+15	42	50.3	19.4 RoEX015691
K20W02T	KC2020	12	04.43664 10	50	40.96	+15	41	24.5	19.5 RoEX015691
K20W02T	KC2020	12	04.44351 10	50	42.41	+15	39	59.5	19.3 RoEX015691
K20W02T	KC2020	12	04.52230910	50	59.36	+15	23	36.3	18.78GVEX015I52
K20W02T	KC2020	12	04.52304810	50	59.51	+15	23	27.1	18.84GVEX015I52
K20W02T	KC2020	12	04.52378710	50	59.66	+15	23	17.6	18.77GVEX015I52
K20W02T	KC2020	12	04.52452810	50	59.81	+15	23	08.5	19.06GVEX015I52
K20W02T	HC2020	12	05.39654710	54	26.01	+12	18	50.2	21.41GVEX015I52
K20W02T	HC2020	12	05.39756610	54	26.26	+12	18	37.7	20.66GVEX015I52
K20W02T	HC2020	12	05.39878110	54	26.52	+12	18	24.0	VEX015I52
K20W02T	HC2020	12	05.39908510	54	26.53	+12	18	17.4	19.94GVEX015I52
K20W02V	KC2020	12	05.40034411	13	52.97	+52	08	14.1	22.21GVEX015V06
K20W02V	KC2020	12	05.42291711	14	03.19	+52	07	42.3	21.46GVEX015V06
K20W02V	KC2020	12	05.42826411	14	05.58	+52	07	35.4	21.87GVEX015V06
K20W02V	KC2020	12	05.43360911	14	07.92	+52	07	28.0	22.27GVEX015V06
K20W03C	C2020	12	04.20945102	32	50.56	+25	12	19.3	19.54GVEX015G96
K20W03C	C2020	12	04.21459202	32	51.08	+25	11	48.7	19.74GVEX015G96
K20W03C	C2020	12	04.21972602	32	51.59	+25	11	18.0	20.09GVEX015G96
K20W03C	C2020	12	04.22487702	32	52.12	+25	10	47.1	20.04GVEX015G96
K20W03C	mc2020	12	05.18183702	34	48.82	+23	35	31.2	19.51GVEX015I52
K20W03C	mc2020	12	05.18225602	34	48.87	+23	35	28.6	19.28GVEX015I52
K20W03C	mc2020	12	05.18267702	34	48.92	+23	35	26.4	19.35GVEX015I52
K20W03C	mc2020	12	05.18309702	34	48.96	+23	35	23.2	19.47GVEX015I52
K20W03E	KC2020	12	05.18413304	23	59.99	+03	16	41.7	20.15GVEX015I52
K20W03E	KC2020	12	05.18512004	24	00.28	+03	16	30.8	21.05GVEX015I52
K20W03E	KC2020	12	05.18610704	24	00.63	+03	16	19.5	20.19GVEX015I52
K20W03E	KC2020	12	05.18709404	24	00.98	+03	16	08.9	19.92GVEX015I52
K20W03F	mc2020	12	05.14727604	34	46.23	+27	04	51.7	21.07GVEX015I52
K20W03F	mc2020	12	05.14953304	34	45.78	+27	04	38.8	21.47GVEX015I52
K20W03F	mc2020	12	05.14995404	34	45.70	+27	04	36.3	20.77GVEX015I52
K20W03F	mc2020	12	05.15037404	34	45.63	+27	04	33.4	VEX015I52
K20W03F	KC2020	12	05.41900 04	33	53.44	+26	39	50.3	21.2 RoEX015691
K20W03F	KC2020	12	05.43803 04	33	49.84	+26	38	02.6	20.7 RoEX015691
K20W03F	KC2020	12	05.45706 04	33	46.29	+26	36	15.4	20.5 RoEX015691
K20W03G	KC2020	12	05.19758104	18	28.29	+33	30	26.9	VEX015V06
K20W03G	KC2020	12	05.19980204	18	28.63	+33	30	19.2	VEX015V06
K20W03G	KC2020	12	05.20202704	18	28.96	+33	30	12.4	VEX015V06
K20W03K	KC2020	12	04.98732105	10	33.84	+11	08	59.5	18.7 GVEX015B49
K20W03K	KC2020	12	04.98949705	10	35.92	+11	08	15.8	18.5 GVEX015B49
K20W03K	C2020	12	05.14141705	13	26.63	+10	16	24.9	17.91GVEX015I52
K20W03K	C2020	12	05.14166605	13	26.87	+10	16	19.4	18.07GVEX015I52

K20W03K	C2020	12	05.14191305	13	27.11	+10	16	14.7	17.95GVEX015I52
K20W03K	C2020	12	05.14216005	13	27.38	+10	16	09.3	18.05GVEX015I52
K20W03M	KC2020	12	04.50191612	09	55.41	+48	35	10.1	20.13GVEX015I52
K20W03M	KC2020	12	04.51445312	09	56.16	+48	34	50.5	20.18GVEX015I52
K20W03M	KC2020	12	04.52072312	09	56.57	+48	34	40.1	20.21GVEX015I52
K20W03O	KC2020	12	05.16649502	20	56.98	-07	08	11.8	19.51GVEX015I52
K20W03O	KC2020	12	05.16748102	20	56.46	-07	08	22.8	19.95GVEX015I52
K20W03O	KC2020	12	05.16847002	20	55.92	-07	08	33.6	19.79GVEX015I52
K20W03O	KC2020	12	05.16945802	20	55.41	-07	08	44.4	18.73GVEX015I52
K20W03T	KC2020	12	05.08239723	57	08.64	+43	04	48.4	21.44GVEX015V06
K20W03T	KC2020	12	05.08556423	57	08.15	+43	04	46.3	21.52GVEX015V06
K20W03T	KC2020	12	05.08873123	57	07.65	+43	04	44.5	21.60GVEX015V06
K20W03T	KC2020	12	05.09189823	57	07.18	+43	04	42.2	21.64GVEX015V06
K20W03Z	KC2020	12	05.32639004	25	03.72	+02	05	56.4	21.90GVEX015V06
K20W03Z	KC2020	12	05.33034904	25	03.11	+02	05	48.0	20.87GVEX015V06
K20W03Z	KC2020	12	05.33430904	25	02.50	+02	05	40.0	21.72GVEX015V06
K20W04P	C2020	12	05.19001905	08	39.53	+62	06	47.8	VEX015I52
K20W04P	C2020	12	05.19291505	08	39.12	+62	06	42.5	19.62GVEX015I52
K20W04P	C2020	12	05.19595705	08	38.61	+62	06	36.1	20.30GVEX015I52
K20W04P	C2020	12	05.20114205	08	37.86	+62	06	27.4	19.53GVEX015I52
K20W04T	KC2020	12	05.06491 01	51	07.69	+09	21	02.7	22.8 RoEX015291
K20W04T	KC2020	12	05.09220 01	50	55.77	+09	20	45.2	22.4 RoEX015291
K20W04T	KC2020	12	05.11929 01	50	43.88	+09	20	28.9	oEX015291
K20W04V	KC2020	12	05.27889607	01	30.79	+37	04	02.6	20.89GVEX015V06
K20W04V	KC2020	12	05.28025007	01	30.86	+37	04	06.5	VEX015V06
K20W04V	KC2020	12	05.28160307	01	30.97	+37	04	15.7	20.86GVEX015V06
K20W04V	KC2020	12	05.28295607	01	31.04	+37	04	22.2	21.20GVEX015V06
K20W04V	KC2020	12	05.41559207	01	36.38	+37	14	58.9	21.17GVEX015I52
K20W04V	KC2020	12	05.41727707	01	36.44	+37	15	06.9	20.86GVEX015I52
K20W04V	KC2020	12	05.41895907	01	36.58	+37	15	14.5	VEX015I52
K20W04V	KC2020	12	05.42064207	01	36.53	+37	15	22.0	20.94GVEX015I52
K20W04Z	KC2020	12	05.11348604	31	56.35	+01	06	46.4	20.66GVEX015I52
K20W04Z	KC2020	12	05.11600904	31	55.99	+01	06	46.9	20.09GVEX015I52
K20W04Z	KC2020	12	05.11834504	31	55.52	+01	06	47.5	VEX015I52
K20W05A	C2020	12	05.19037905	18	28.95	+59	15	55.7	18.81GVEX015I52
K20W05A	C2020	12	05.19327405	18	30.01	+59	16	02.4	18.60GVEX015I52
K20W05A	C2020	12	05.20464805	18	34.25	+59	16	28.6	18.53GVEX015I52
K20W05A	C2020	12	05.20675605	18	35.01	+59	16	33.3	18.76GVEX015I52
K20W05F	KC2020	12	05.42188 05	30	06.04	+40	39	43.5	21.6 RoEX015291
K20W05F	KC2020	12	05.44440 05	30	04.82	+40	39	43.8	22.2 RoEX015291
K20W05G	KC2020	12	05.26663 05	34	32.32	+24	43	46.5	oEX015291
K20W05G	KC2020	12	05.27675 05	34	31.65	+24	44	05.3	20.8 RoEX015291
K20W05L	KC2020	12	05.06649400	00	51.52	+48	25	00.0	VEX015I52
K20W05L	KC2020	12	05.06965400	00	53.01	+48	25	08.4	20.85GVEX015I52
K20W05L	KC2020	12	05.07133500	00	53.68	+48	25	12.0	20.64GVEX015I52
K20W05M	KC2020	12	04.53728510	41	04.20	+37	25	18.1	18.51GVEX015I52
K20W05M	KC2020	12	04.53785710	41	03.92	+37	25	22.8	18.70GVEX015I52
K20W05M	KC2020	12	04.53842410	41	03.66	+37	25	27.3	18.77GVEX015I52
K20W05M	C2020	12	05.39603810	34	47.41	+39	17	42.4	18.71GVEX015I52
K20W05M	C2020	12	05.39705710	34	46.83	+39	17	50.6	19.69GVEX015I52
K20W05M	C2020	12	05.39807510	34	46.43	+39	17	58.4	18.61GVEX015I52
K20W05M	C2020	12	05.39826510	34	46.36	+39	17	59.2	18.23GVEX015I52
K20W05S	mc2020	12	05.25216105	46	02.72	-12	56	13.1	19.24GVEX015I52
K20W05S	mc2020	12	05.25258105	46	02.63	-12	56	10.2	19.61GVEX015I52
K20W05S	mc2020	12	05.25300105	46	02.56	-12	56	08.0	19.95GVEX015I52
K20W05S	mc2020	12	05.25342105	46	02.52	-12	56	05.1	19.72GVEX015I52
K20W05T	s2020	11	30.94752 02	46	55.85	-57	14	06.6	LEX015C51
K20W05T	s2020	11	30.94752 1 + 2963.0242 + 1288.9689 - 6054.0475						EX015C51
K20X00C	KC2020	12	05.10793102	54	57.00	+35	25	58.9	19.1 VqEX015U55
K20X00C	KC2020	12	05.11495502	54	53.43	+35	26	21.7	19.9 VqEX015U55
K20X00C	KC2020	12	05.12276502	54	49.28	+35	26	44.3	19.8 VqEX015U55
00433	4C2020	12	02.30975 12	41	40.87	-08	22	40.1	13.0 VqEX015W88
00433	4C2020	12	02.32276 12	41	43.26	-08	23	02.4	13.2 VqEX015W88
00433	4C2020	12	02.33666 12	41	45.79	-08	23	26.3	13.2 VqEX015W88
00433	C2020	12	04.53174112	48	28.98	-09	25	48.7	12.81GVEX015703
00433	C2020	12	04.53624712	48	29.80	-09	25	56.2	12.79GVEX015703
00433	C2020	12	04.54075412	48	30.62	-09	26	04.1	12.80GVEX015703
00433	C2020	12	04.54525412	48	31.42	-09	26	11.8	12.79GVEX015703
00887	C2020	12	04.14531023	36	57.83	-18	21	36.8	15.79GVEX015703
00887	C2020	12	04.15056923	36	58.13	-18	21	31.5	15.85GVEX015703
00887	C2020	12	04.15583523	36	58.45	-18	21	26.9	15.91GVEX015703
00887	C2020	12	04.16109923	36	58.73	-18	21	22.1	15.89GVEX015703
00887	C2020	12	04.27488623	37	05.59	-18	19	40.6	15.67oVEX015T08
00887	C2020	12	04.27811123	37	05.77	-18	19	37.7	15.65oVEX015T08
00887	C2020	12	04.28363323	37	06.08	-18	19	32.8	15.66oVEX015T08
00887	C2020	12	04.29607323	37	06.78	-18	19	21.7	15.68oVEX015T08
01036	C2020	12	02.37545007	18	32.54	-13	24	31.1	12.82rUEX015I41
01036	C2020	12	02.39630007	18	31.43	-13	24	45.2	12.81rUEX015I41
01036	C2020	12	02.43163007	18	29.53	-13	25	09.1	13.34gUEX015I41
01036	C2020	12	04.37789007	16	46.26	-13	46	23.9	13.39gUEX015I41
01036	C2020	12	04.45480007	16	41.91	-13	47	12.8	12.80rUEX015I41
01036	C2020	12	04.49465907	16	39.87	-13	47	36.9	12.78oVEX015T08
01036	C2020	12	04.49650107	16	39.77	-13	47	38.0	12.79oVEX015T08
01036	C2020	12	04.49926907	16	39.61	-13	47	39.6	12.78oVEX015T08
01036	C2020	12	04.51356707	16	38.80	-13	47	48.9	12.77oVEX015T08
01580	C2020	12	04.43951004	09	35.73	+33	33	02.7	18.44GVEX015G96
01580	C2020	12	04.44460704	09	35.13	+33	33	04.8	18.50GVEX015G96
01580	C2020	12	04.44970404	09	34.54	+33	33	07.2	18.41GVEX015G96
01580	C2020	12	04.45480804	09	33.92	+33	33	08.4	18.52GVEX015G96
01943	C2020	12	04.46888711	33	54.40	-06	54	21.6	VEX015703
01943	C2020	12	04.48001511	33	56.37	-06	54	38.2	18.54GVEX015703
01943	C2020	12	04.48557711	33	57.32	-06	54	45.8	18.43GVEX015703
01980	C2020	12	04.62159211	35	03.99	-24	55	40.7	17.91oVEX015T08
01980	C2020	12	04.62711911	35	04.33	-24	55	46.3	18.24oVEX015T08

01980	C2020	12	04.64422811	35	05.45	-24	56	02.7	18.32oVEX015T08
01980	C2020	12	04.65057311	35	05.83	-24	56	08.4	18.14oVEX015T08
01981	C2020	12	04.08597921	22	02.11	-04	46	33.5	18.38GVEX015703
01981	C2020	12	04.09663321	22	04.15	-04	46	09.4	18.18GVEX015703
02212	C2020	12	04.43460101	59	56.69	+16	47	46.8	18.65oVEX015T05
02212	C2020	12	04.43782201	59	56.53	+16	47	46.5	18.58oVEX015T05
02212	C2020	12	04.44333901	59	56.28	+16	47	45.0	18.59oVEX015T05
02212	C2020	12	04.45390601	59	55.78	+16	47	42.2	18.62oVEX015T05
02329	C2020	12	04.55170913	48	25.04	-04	06	47.1	19.15rUEX015I41
02329	C2020	12	04.55641013	48	25.55	-04	06	48.8	19.20rUEX015I41
03691	C2020	11	30.06911022	15	17.17	-05	02	14.2	18.75rUEX015I41
03691	C2020	11	30.14699022	15	22.50	-05	01	21.3	19.54gUEX015I41
03691	C2020	12	04.09406022	20	02.79	-04	16	45.7	19.05gUEX015I41
03691	C2020	12	04.10327422	20	03.42	-04	16	39.8	18.67GVEX015703
03691	C2020	12	04.11920822	20	04.55	-04	16	29.6	18.37GVEX015703
03691	C2020	12	04.17083022	20	08.25	-04	15	53.5	18.43rUEX015I41
03752	C2020	12	04.20293620	15	05.33	-21	04	57.1	18.39oVEX015T08
03752	C2020	12	04.20616220	15	05.74	-21	04	58.7	18.50oVEX015T08
03752	C2020	12	04.21168720	15	06.49	-21	05	02.3	18.35oVEX015T08
03752	C2020	12	04.22419520	15	08.06	-21	05	09.6	18.49oVEX015T08
03908	C2020	12	04.10284522	27	21.99	-06	40	02.6	18.48GVEX015703
03908	C2020	12	04.10815822	27	23.54	-06	39	54.6	18.40GVEX015703
03908	C2020	12	04.11347122	27	25.03	-06	39	46.9	VEX015703
04055	C2020	12	04.35969303	00	18.76	-27	56	14.8	16.56oVEX015T08
04055	C2020	12	04.36291303	00	18.66	-27	56	12.2	16.45oVEX015T08
04055	C2020	12	04.36843703	00	18.48	-27	56	07.8	16.37oVEX015T08
04055	C2020	12	04.40392903	00	17.37	-27	55	39.0	16.55oVEX015T08
04179	C2020	12	04.07798921	21	56.56	-15	59	52.6	16.58GVEX015703
04179	C2020	12	04.08331521	21	57.78	-15	59	47.1	16.47GVEX015703
04179	C2020	12	04.08863821	21	59.01	-15	59	40.8	16.54GVEX015703
04179	C2020	12	04.09396421	22	00.21	-15	59	35.2	16.52GVEX015703
04503	C2020	12	04.39610201	08	32.26	+07	15	09.4	17.73oVEX015T05
04503	C2020	12	04.39931401	08	32.26	+07	15	09.2	17.77oVEX015T05
04503	C2020	12	04.40710501	08	32.10	+07	15	09.5	17.78oVEX015T05
04503	C2020	12	04.42178901	08	31.89	+07	15	10.3	18.01oVEX015T05
04947	C2020	12	04.12327023	03	08.75	-10	33	06.0	18.52GVEX015703
04947	C2020	12	04.12856723	03	09.97	-10	33	06.6	18.73GVEX015703
04947	C2020	12	04.13916423	03	12.44	-10	33	11.2	18.65GVEX015703
04953	C2020	12	04.27627100	12	01.58	-30	41	37.4	15.04oVEX015T08
04953	C2020	12	04.28133200	12	00.29	-30	41	27.9	15.14oVEX015T08
04953	C2020	12	04.28455400	11	59.50	-30	41	21.8	15.11oVEX015T08
04953	C2020	12	04.28547600	11	59.26	-30	41	20.0	15.05oVEX015T08
04953	C2020	12	04.29008700	11	58.13	-30	41	11.5	15.06oVEX015T08
04953	C2020	12	04.29653200	11	56.52	-30	40	59.5	15.06oVEX015T08
04953	C2020	12	04.30114000	11	55.39	-30	40	50.9	15.03oVEX015T08
05131	C2020	12	04.62265811	46	03.01	+15	29	08.3	16.98oVEX015T05
05131	C2020	12	04.62778011	46	04.23	+15	29	09.9	17.14oVEX015T05
05131	C2020	12	04.64111711	46	07.42	+15	29	14.0	17.12oVEX015T05
05131	C2020	12	04.65233211	46	10.09	+15	29	17.6	17.14oVEX015T05
05143	C2020	12	02.12766022	48	44.97	+00	46	23.4	19.35rUEX015I41
05143	C2020	12	02.14590022	48	45.28	+00	46	22.4	19.41rUEX015I41
05143	C2020	12	04.16943122	49	18.90	+00	45	37.2	19.30rUEX015I41
05143	C2020	12	04.18348022	49	19.15	+00	45	36.8	19.17rUEX015I41
05587	C2020	12	04.14293103	36	41.52	-01	08	09.8	18.90gUEX015I41
05587	C2020	12	04.19318103	36	38.65	-01	08	16.6	18.98gUEX015I41
05587	C2020	12	04.24617003	36	35.62	-01	08	23.4	18.15rUEX015I41
05587	C2020	12	04.29439803	36	32.86	-01	08	30.2	18.71GVEX015703
05587	C2020	12	04.29974703	36	32.56	-01	08	31.1	18.35GVEX015703
05587	C2020	12	04.30509403	36	32.21	-01	08	31.0	18.14GVEX015703
05587	C2020	12	04.31044403	36	31.92	-01	08	32.0	18.07GVEX015703
05587	C2020	12	04.39225003	36	27.27	-01	08	42.6	19.05gUEX015I41
05587	C2020	12	04.41359003	36	26.05	-01	08	45.7	18.14rUEX015I41
05751	KC2020	07	11.94671919	50	30.33	-17	20	07.3	18.4 GVEX015C95
05751	KC2020	07	11.95177119	50	29.95	-17	20	09.7	18.2 GVEX015C95
05751	KC2020	07	11.95684619	50	29.56	-17	20	12.8	17.9 GVEX015C95
05836	C2020	12	04.45912405	04	10.71	+18	56	59.3	17.83GVEX015G96
05836	C2020	12	04.46454405	04	10.25	+18	56	57.6	18.02GVEX015G96
05836	C2020	12	04.46997705	04	09.77	+18	56	55.9	17.71GVEX015G96
05836	C2020	12	04.47545205	04	09.30	+18	56	54.3	17.69GVEX015G96
05863	C2020	12	04.49235 05	04	55.883	-06	00	17.26	20.1 iUEX015F51
05863	C2020	12	04.50614 05	04	54.928	-06	00	18.44	19.9 iUEX015F51
05863	C2020	12	04.51987 05	04	53.987	-06	00	19.69	19.9 iUEX015F51
05879	C2020	12	04.55038308	39	20.74	-25	59	58.8	18.46oVEX015T08
05879	C2020	12	04.55360508	39	21.12	-26	00	01.3	18.37oVEX015T08
05879	C2020	12	04.55820808	39	21.74	-26	00	04.6	17.97oVEX015T08
05879	C2020	12	04.56327708	39	22.44	-26	00	08.6	18.37oVEX015T08
07977	C2020	12	04.21030721	24	35.59	-33	50	46.9	17.21oVEX015T08
07977	C2020	12	04.21354821	24	36.35	-33	50	46.0	17.43oVEX015T08
07977	C2020	12	04.22004821	24	37.84	-33	50	44.2	17.44oVEX015T08
07977	C2020	12	04.23064121	24	40.32	-33	50	41.8	17.27oVEX015T08
07977	KC2020	12	04.37049 21	25	13.05	-33	50	00.4	17.3 RqEX015E89
07977	KC2020	12	04.37548 21	25	14.20	-33	49	58.7	17.4 RqEX015E89
07977	KC2020	12	04.38030 21	25	15.33	-33	49	57.5	17.2 RqEX015E89
07977	KC2020	12	04.38481 21	25	16.39	-33	49	56.2	17.3 RqEX015E89
08014	C2020	12	04.47229703	33	42.18	+16	04	34.8	18.31oVEX015T05
08014	C2020	12	04.47641403	33	41.94	+16	04	33.2	18.94oVEX015T05
08014	C2020	12	04.47687603	33	41.83	+16	04	32.8	18.59oVEX015T05
08014	C2020	12	04.48010503	33	41.65	+16	04	33.0	18.61oVEX015T05
08014	C2020	12	04.48652503	33	41.29	+16	04	31.6	18.88oVEX015T05
08014	C2020	12	04.49851603	33	40.52	+16	04	29.0	18.64oVEX015T05
08014	C2020	12	04.50172003	33	40.31	+16	04	28.2	18.74oVEX015T05
08037	C2020	12	04.61853211	37	37.97	+12	18	44.7	18.32oVEX015T05
08037	C2020	12	04.6220111	37	38.87	+12	18	39.7	17.78oVEX015T05
08037	C2020	12	04.63927911	37	42.69	+12	18	16.3	17.94oVEX015T05

08037	C2020	12	04.65739711	37	46.83	+12	17	49.8	18.06ovEX015T05
08567	C2020	12	02.46841009	04	07.21	+05	09	46.8	18.12rUEX015I41
08567	C2020	12	02.48619009	04	07.13	+05	09	43.7	18.87gUEX015I41
08567	C2020	12	04.44149009	03	57.43	+05	04	05.9	18.18rUEX015I41
08567	C2020	12	04.50515009	03	56.82	+05	03	55.9	18.91gUEX015I41
09172	C2020	12	02.12330022	05	39.16	-00	00	23.9	19.22gUEX015I41
09172	C2020	12	02.15067022	05	45.51	+00	00	07.5	18.85rUEX015I41
09172	C2020	12	04.09406022	13	23.14	+00	37	38.4	19.15gUEX015I41
09172	C2020	12	04.17083022	13	40.99	+00	39	07.1	18.78rUEX015I41
09172	C2020	12	04.18208022	13	43.64	+00	39	20.3	18.79rUEX015I41
10115	C2020	12	04.32165	01	13	55.019+32	38	03.85	18.9 iUEX015F51
10115	C2020	12	04.33223	01	13	54.507+32	37	58.20	18.9 iUEX015F51
10115	C2020	12	04.33469	01	13	54.388+32	37	56.90	18.9 iUEX015F52
10115	C2020	12	04.33533	01	13	54.357+32	37	56.47	18.9 iUEX015F52
10115	C2020	12	04.34276	01	13	54.013+32	37	52.56	18.9 iUEX015F51
10115	C2020	12	04.34767	01	13	53.774+32	37	49.92	18.7 iUEX015F52
10115	C2020	12	04.35333	01	13	53.506+32	37	46.84	18.7 iUEX015F51
10115	C2020	12	04.35928	01	13	53.227+32	37	43.61	18.5 iUEX015F52
10115	C2020	12	04.35991	01	13	53.193+32	37	43.22	18.5 iUEX015F52
10115	C2020	12	04.36746	01	13	52.840+32	37	39.24	18.5 iUEX015F51
10115	C2020	12	04.37152	01	13	52.651+32	37	36.98	18.4 iUEX015F52
10115	C2020	12	04.37216	01	13	52.620+32	37	36.71	18.4 iUEX015F52
10115	C2020	12	04.37924	01	13	52.285+32	37	32.84	18.4 iUEX015F51
10115	C2020	12	04.38459	01	13	52.039+32	37	30.01	18.3 iUEX015F52
10115	C2020	12	04.39102	01	13	51.738+32	37	26.44	18.2 iUEX015F51
10115	C2020	12	04.39803	01	13	51.409+32	37	22.64	18.3 iUEX015F52
10115	C2020	12	04.40284	01	13	51.183+32	37	19.98	18.3 iUEX015F51
10115	C2020	12	04.41149	01	13	50.778+32	37	15.11	18.1 iUEX015F52
10115	C2020	12	04.41215501	13	50.73	+32	37	14.8	18.54ovEX015T05
10115	C2020	12	04.41765801	13	50.51	+32	37	11.7	18.57ovEX015T05
10115	C2020	12	04.42495	01	13	50.170+32	37	07.88	18.2 iUEX015F52
10115	C2020	12	04.42682201	13	50.08	+32	37	07.1	18.34ovEX015T05
10115	C2020	12	04.43002401	13	49.96	+32	37	05.1	18.14ovEX015T05
11398	C2020	12	02.11115003	06	09.60	-07	49	11.6	19.57gUEX015I41
11398	C2020	12	02.16631003	06	05.73	-07	49	09.4	19.56rUEX015I41
11398	C2020	12	02.37752003	05	50.92	-07	49	00.1	19.43rUEX015I41
11398	C2020	12	04.24663003	03	46.57	-07	47	01.0	19.76rUEX015I41
11398	C2020	12	04.28902003	03	43.70	-07	46	57.8	19.58rUEX015I41
11405	C2020	12	04.22833922	13	35.44	-27	53	46.3	18.30ovEX015T08
11405	C2020	12	04.23156322	13	35.95	-27	53	44.7	18.18ovEX015T08
11405	C2020	12	04.23570722	13	36.56	-27	53	41.2	18.29ovEX015T08
11405	C2020	12	04.23800922	13	36.89	-27	53	39.6	18.27ovEX015T08
11405	C2020	12	04.23985222	13	37.17	-27	53	38.3	18.50ovEX015T08
11405	C2020	12	04.24539022	13	38.01	-27	53	34.7	18.11ovEX015T08
11405	C2020	12	04.24954022	13	38.68	-27	53	31.1	18.52ovEX015T08
11405	C2020	12	04.25783322	13	39.89	-27	53	26.1	18.56ovEX015T08
12538	C2020	12	04.49373607	05	00.17	-24	45	39.7	16.46ovEX015T08
12538	C2020	12	04.49558107	05	00.16	-24	45	46.5	16.36ovEX015T08
12538	C2020	12	04.49834707	05	00.18	-24	45	56.5	16.36ovEX015T08
12538	C2020	12	04.50340707	05	00.19	-24	46	15.0	16.34ovEX015T08
12538	KC2020	12	05.25848407	05	06.92	-25	32	17.7	16.9 GVEX015V93
12538	KC2020	12	05.29823607	05	06.98	-25	34	43.8	16.9 GVEX015V93
12538	KC2020	12	05.32328607	05	07.03	-25	36	16.0	16.8 GVEX015V93
16834	C2020	12	04.21267402	39	29.39	+27	23	25.9	18.30GVEX015G96
16834	C2020	12	04.21780302	39	28.99	+27	23	21.2	18.27GVEX015G96
16834	C2020	12	04.22295002	39	28.59	+27	23	16.3	18.36GVEX015G96
16834	C2020	12	04.22810002	39	28.19	+27	23	11.3	18.27GVEX015G96
16834	C2020	12	04.45986902	39	10.52	+27	19	33.5	18.18ovEX015T05
16834	C2020	12	04.46357502	39	10.28	+27	19	30.0	18.04ovEX015T05
16834	C2020	12	04.47366802	39	09.50	+27	19	20.5	18.17ovEX015T05
16834	C2020	12	04.48057702	39	08.92	+27	19	13.4	18.32ovEX015T05
20460	C2020	12	04.05764722	16	14.47	+31	22	27.4	19.91GVEX015G96
20460	C2020	12	04.06355222	16	14.81	+31	22	24.4	20.05GVEX015G96
20460	C2020	12	04.06951522	16	15.19	+31	22	21.0	20.30GVEX015G96
20460	C2020	12	04.07542722	16	15.52	+31	22	18.4	20.10GVEX015G96
29075	S2020	11	23.60113510	39	03.82	+24	05	13.2	LEX015C51
29075	S2020	11	23.6011351	-	6720.5698	-	435.4670	+ 1265.6994	EX015C51
29075	S2020	11	24.25450710	40	54.99	+23	57	02.1	LEX015C51
29075	S2020	11	24.2545071	-	6646.1566	-	547.1713	+ 1575.2105	EX015C51
29075	S2020	11	24.58138310	41	51.12	+23	52	52.6	LEX015C51
29075	S2020	11	24.5813831	-	6634.8836	-	588.2039	+ 1607.4748	EX015C51
29075	S2020	11	25.16993910	43	31.87	+23	45	18.1	LEX015C51
29075	S2020	11	25.1699391	-	6642.5792	-	649.0849	+ 1551.7617	EX015C51
29075	S2020	11	25.30071510	43	54.42	+23	43	36.8	LEX015C51
29075	S2020	11	25.3007151	-	6641.9426	-	663.6410	+ 1548.3683	EX015C51
29075	S2020	11	25.49694310	44	28.21	+23	41	04.6	LEX015C51
29075	S2020	11	25.4969431	-	6650.5744	-	680.9034	+ 1502.7591	EX015C51
29075	S2020	11	26.41237610	47	06.06	+23	29	02.5	LEX015C51
29075	S2020	11	26.4123761	-	6645.1989	-	782.7328	+ 1477.1447	EX015C51
30825	C2020	12	04.08772521	47	19.16	-08	52	46.4	18.50GVEX015703
30825	C2020	12	04.09305021	47	19.89	-08	52	43.9	19.24GVEX015703
30825	C2020	12	04.09838021	47	20.66	-08	52	41.4	18.85GVEX015703
31669	C2020	12	04.55170913	55	58.61	-04	45	49.8	18.16rUEX015I41
31669	C2020	12	04.55641013	55	59.60	-04	45	54.9	17.96rUEX015I41
31669	C2020	12	04.56110013	56	00.52	-04	46	00.0	18.25rUEX015I41
31669	C2020	12	04.56580013	56	01.49	-04	46	04.5	18.06rUEX015I41
35107	C2020	12	04.22833921	55	28.11	-31	05	11.5	18.36ovEX015T08
35107	C2020	12	04.23156321	55	29.06	-31	05	08.8	18.33ovEX015T08
35107	C2020	12	04.23800921	55	30.94	-31	05	02.7	18.36ovEX015T08
35107	C2020	12	04.24954021	55	34.32	-31	04	51.4	18.56ovEX015T08
36183	C2020	12	04.21681922	10	24.71	-38	14	49.0	18.30ovEX015T08
36183	C2020	12	04.22050822	10	25.75	-38	14	34.3	18.43ovEX015T08
36183	C2020	12	04.22649622	10	27.23	-38	14	10.4	18.22ovEX015T08
36183	C2020	12	04.24123422	10	30.95	-38	13	10.1	17.70ovEX015T08

55532	C2020	12	04.44086	04	10	58.286+00	23	12.13	19.0	iUEX015F51
55532	C2020	12	04.46583	04	10	55.291+00	23	19.07	19.1	iUEX015F51
55532	C2020	12	04.47827	04	10	53.812+00	23	22.51	19.2	iUEX015F51
65717	KC2020	12	04.10870	02	34	59.67	-17	51 43.0		qEX015V94
65717	KC2020	12	04.13748	02	35	00.46	-17	52 49.5		qEX015V94
65717	C2020	12	04.24915202	35	05.00	-17	56 55.6		17.52	GVEX015703
65717	C2020	12	04.25442402	35	05.13	-17	57 07.5		17.43	GVEX015703
65717	C2020	12	04.25969502	35	05.25	-17	57 19.3		17.42	GVEX015703
65717	C2020	12	04.26496902	35	05.38	-17	57 31.7		17.36	GVEX015703
65717	KC2020	12	05.06006402	35	58.45	-18	27 48.3		17.6	GVEX015V93
65717	KC2020	12	05.10617302	36	00.05	-18	29 36.4		17.2	GVEX015V93
65717	KC2020	12	05.15075402	36	01.50	-18	31 19.7		17.5	GVEX015V93
66272	C2020	12	04.42064703	53	34.97	+35	40 56.5		16.88	GVEX015G96
66272	C2020	12	04.42583203	53	32.73	+35	41 20.4		16.86	GVEX015G96
66272	C2020	12	04.43101303	53	30.52	+35	41 45.1		16.87	GVEX015G96
66272	C2020	12	04.43619503	53	28.31	+35	42 09.3		16.43	GVEX015G96
66272	C2020	12	04.50721103	52	58.22	+35	47 48.3		16.75	oVEX015T05
66272	C2020	12	04.51597503	52	54.42	+35	48 28.9		16.69	oVEX015T05
66272	C2020	12	04.52285903	52	51.43	+35	49 00.7		16.63	oVEX015T05
66272	C2020	12	04.53950503	52	44.21	+35	50 17.6		16.66	oVEX015T05
68267	C2020	12	04.53415712	21	43.61	+41	03 10.0		21.60	GVEX015G96
68267	C2020	12	04.53845012	21	43.90	+41	03 11.6		20.87	GVEX015G96
68267	C2020	12	04.54274412	21	44.28	+41	03 12.4		21.94	GVEX015G96
68267	C2020	12	04.54706312	21	44.59	+41	03 12.2		20.77	GVEX015G96
68359	C2020	11	30.11387002	21	39.39	-06	23 14.8		18.09	rUEX015I41
68359	C2020	11	30.21024002	21	32.90	-06	21 47.4		18.60	gUEX015I41
68359	C2020	12	02.30277002	19	30.75	-05	48 54.7		18.96	gUEX015I41
68359	C2020	12	02.37800002	19	26.29	-05	47 40.9		18.17	rUEX015I41
68359	C2020	12	04.14527002	17	56.24	-05	18 10.0		18.90	gUEX015I41
68359	C2020	12	04.24694202	17	50.61	-05	16 24.8		18.63	GVEX015703
68359	C2020	12	04.24944002	17	50.54	-05	16 23.1		18.17	rUEX015I41
68359	C2020	12	04.25221602	17	50.37	-05	16 19.1		17.81	GVEX015703
68359	C2020	12	04.25748602	17	49.98	-05	16 14.4		17.92	GVEX015703
68359	C2020	12	04.26275702	17	49.70	-05	16 09.7		18.40	GVEX015703
68359	C2020	12	04.26927002	17	49.46	-05	16 02.7		18.03	iUEX015I41
68359	C2020	12	04.29189002	17	48.25	-05	15 39.1		18.16	rUEX015I41
85275	C2020	12	04.35969303	11	38.30	-30	36 03.9		16.92	oVEX015T08
85275	C2020	12	04.36291303	11	38.29	-30	35 56.4		16.99	oVEX015T08
85275	C2020	12	04.40392903	11	38.39	-30	34 19.7		16.91	oVEX015T08
88188	KC2020	12	05.28153007	16	08.53	+46	03 42.8		17.8	GVEX015V93
88188	KC2020	12	05.31353307	16	07.88	+46	04 02.2		17.8	GVEX015V93
88188	KC2020	12	05.33819807	16	07.44	+46	04 17.4		17.9	GVEX015V93
99935	C2020	12	04.59667810	24	42.75	+30	06 09.4		18.67	oVEX015T05
99935	C2020	12	04.59850610	24	42.75	+30	06 10.5		18.86	oVEX015T05
99935	C2020	12	04.60126210	24	42.70	+30	06 11.8		18.55	oVEX015T05
99935	C2020	12	04.61532510	24	42.61	+30	06 20.2		18.66	oVEX015T05
99942	8C2020	12	04.14085	11	16	21.82	-07	03 08.4	19.6	GVEX015094
99942	8C2020	12	04.14440	11	16	21.99	-07	03 11.4	20.1	GVEX015094
99942	8C2020	12	04.14794	11	16	22.18	-07	03 14.8	19.7	GVEX015094
99942	8C2020	12	04.15148	11	16	22.31	-07	03 17.7	19.2	GVEX015094
99942	8C2020	12	04.15503	11	16	22.48	-07	03 20.7	19.6	GVEX015094
99942	8C2020	12	04.15856	11	16	22.66	-07	03 25.1	19.7	GVEX015094
99942	8C2020	12	04.16211	11	16	22.87	-07	03 27.0	19.3	GVEX015094
D7062	C2020	12	04.55125013	58	36.30	+05	17 31.9		18.55	rUEX015I41
D7062	C2020	12	04.55594013	58	37.47	+05	17 23.1		18.93	rUEX015I41
D7062	C2020	12	04.56062013	58	38.65	+05	17 13.3		18.67	rUEX015I41
D7062	C2020	12	04.56531913	58	39.82	+05	17 04.3		18.49	rUEX015I41
D8095	C2020	12	04.22926122	32	16.47	-34	52 00.2		17.17	oVEX015T08
D8095	C2020	12	04.23248622	32	16.65	-34	51 39.5		17.21	oVEX015T08
D8095	C2020	12	04.23478922	32	16.79	-34	51 25.0		17.34	oVEX015T08
D8095	C2020	12	04.23847022	32	16.96	-34	51 02.1		17.44	oVEX015T08
D8095	C2020	12	04.24031222	32	17.08	-34	50 50.6		17.48	oVEX015T08
D8095	C2020	12	04.24399722	32	17.26	-34	50 27.3		17.40	oVEX015T08
D8095	C2020	12	04.25138122	32	17.67	-34	49 40.6		17.34	oVEX015T08
D8095	C2020	12	04.25460322	32	17.84	-34	49 20.0		17.38	oVEX015T08
E1052	C2020	12	04.16796700	09	00.89	+30	27 58.2		20.55	GVEX015G96
E1052	C2020	12	04.17353900	09	01.05	+30	27 53.0		21.98	GVEX015G96
E1052	C2020	12	04.17909100	09	01.22	+30	27 46.5		20.57	GVEX015G96
E1052	C2020	12	04.18464100	09	01.36	+30	27 40.6		20.54	GVEX015G96
E4411	KC2020	11	29.87235302	07	50.82	+28	24 25.7		16.2	RVEX015160
E4411	KC2020	11	29.87473002	07	50.78	+28	24 23.0		16.0	RVEX015160
E4411	KC2020	11	29.87712202	07	50.74	+28	24 21.7		18.2	RVEX015160
E4411	C2020	12	04.41994502	06	24.36	+27	19 05.7		18.50	oVEX015T05
E4411	C2020	12	04.42407502	06	24.30	+27	19 02.5		18.32	oVEX015T05
E4411	C2020	12	04.43048102	06	24.21	+27	18 57.5		18.24	oVEX015T05
E4411	C2020	12	04.44059602	06	24.08	+27	18 48.7		18.15	oVEX015T05
F2931	C2020	12	04.55125014	13	03.94	+06	02 50.2		19.02	rUEX015I41
F2931	C2020	12	04.56062014	13	05.46	+06	02 40.9		18.89	rUEX015I41
F2978	KC2020	11	29.90401202	32	59.20	+24	08 26.1		17.2	RVEX015160
F2978	KC2020	11	29.90641302	32	58.61	+24	08 32.9		17.7	RVEX015160
F2978	KC2020	11	29.90880902	32	58.03	+24	08 38.9		16.1	RVEX015160
F2978	C2020	12	04.19059402	19	53.12	+27	05 45.5		18.34	GVEX015G96
F2978	C2020	12	04.19577502	19	52.23	+27	05 57.0		18.48	GVEX015G96
F2978	C2020	12	04.20096102	19	51.34	+27	06 08.4		18.49	GVEX015G96
F2978	C2020	12	04.20613702	19	50.44	+27	06 19.9		18.49	GVEX015G96
F2978	C2020	12	04.42773602	19	13.76	+27	14 30.9		18.15	oVEX015T05
F2978	C2020	12	04.43140102	19	13.14	+27	14 38.5		18.28	oVEX015T05
F2978	C2020	12	04.43830502	19	12.00	+27	14 53.5		18.34	oVEX015T05
F2978	C2020	12	04.44887002	19	10.21	+27	15 15.9		18.27	oVEX015T05
F3220	C2020	12	04.39953504	38	30.60	+22	45 39.8		20.49	GVEX015G96
F3220	C2020	12	04.40478704	38	30.12	+22	45 39.4		20.86	GVEX015G96
F3220	C2020	12	04.41003704	38	29.61	+22	45 39.2		20.72	GVEX015G96
F3220	C2020	12	04.41528104	38	29.12	+22	45 38.7		21.40	GVEX015G96
F4302	C2020	12	04.18630000	33	21.10	-21	33 27.7		17.44	GVEX015703



F4302	C2020	12	04.19157600	33	20.64	-21	33	51.8	17.79GVEX015703
F4302	C2020	12	04.19685100	33	20.22	-21	34	15.7	17.72GVEX015703
F4302	C2020	12	04.20212800	33	19.77	-21	34	39.9	17.44GVEX015703
F4302	C2020	12	04.29146400	33	12.78	-21	41	25.7	17.41oVEX015T08
F4302	C2020	12	04.29469000	33	12.49	-21	41	39.7	17.48oVEX015T08
F4302	C2020	12	04.30528700	33	11.56	-21	42	27.8	17.49oVEX015T08
F4302	C2020	12	04.30669400	33	11.47	-21	42	34.2	17.32oVEX015T08
F4302	C2020	12	04.30807700	33	11.32	-21	42	40.0	17.58oVEX015T08
F4302	C2020	12	04.31084400	33	11.08	-21	42	52.9	17.72oVEX015T08
F4302	C2020	12	04.31407200	33	10.78	-21	43	07.7	17.58oVEX015T08
F4302	C2020	12	04.32328400	33	09.94	-21	43	49.9	17.66oVEX015T08
F4302	C2020	12	04.32512700	33	09.83	-21	43	57.3	17.54oVEX015T08
F4302	KC2020	12	04.43599 00	33	00.83	-21	51	58.6	17.4 RqEX015E89
F4302	KC2020	12	04.44097 00	33	00.43	-21	52	20.9	17.4 RqEX015E89
F4302	KC2020	12	04.44629 00	32	59.95	-21	52	44.9	17.4 RqEX015E89
F4302	KC2020	12	05.03478500	32	14.83	-22	37	43.9	17.6 GVEX015V93
F4302	KC2020	12	05.08184900	32	10.82	-22	41	15.5	18.2 GVEX015V93
F4302	KC2020	12	05.12722600	32	06.92	-22	44	40.2	17.6 GVEX015V93
F4330	KC2020	11	29.93327402	53	00.22	+38	04	57.2	18.5 RVEX015160
F4330	KC2020	11	29.93535802	52	59.85	+38	04	55.5	16.5 RVEX015160
F4330	KC2020	11	29.93744902	52	59.53	+38	04	54.9	18.6 RVEX015160
F4330	C2020	12	04.46494802	40	52.82	+37	14	43.0	18.23oVEX015T05
F4330	C2020	12	04.47458302	40	51.22	+37	14	35.4	18.25oVEX015T05
F4330	C2020	12	04.48149102	40	50.14	+37	14	29.6	18.11oVEX015T05
F4330	C2020	12	04.49665102	40	47.69	+37	14	17.7	18.19oVEX015T05
F5140	C2020	12	04.37006501	26	21.949+34	47	38.28		21.02iUEX015F51
F5140	C2020	12	04.38181601	26	20.736+34	47	28.02		20.90iUEX015F51
F5140	C2020	12	04.39360501	26	19.541+34	47	18.10		20.91iUEX015F51
G2173	KC2020	11	29.77684622	49	40.29	+03	47	14.1	17.2 RVEX015160
G2173	KC2020	11	29.77903822	49	40.45	+03	47	05.5	17.1 RVEX015160
G2173	KC2020	11	29.78111922	49	40.55	+03	46	57.5	17.0 RVEX015160
G2173	C2020	12	04.12195222	56	38.89	-01	10	36.2	17.53GVEX015703
G2173	C2020	12	04.12725022	56	39.18	-01	11	00.5	17.31GVEX015703
G2173	C2020	12	04.13254822	56	39.58	-01	11	23.8	16.98GVEX015703
G2173	C2020	12	04.13784822	56	39.96	-01	11	46.8	17.13GVEX015703
G2173	C2020	12	04.35104 22	57	06.07	-01	27	33.3	17.1 VqEX015Q21
G2173	C2020	12	04.35419 22	57	06.23	-01	27	47.3	16.9 VqEX015Q21
G2173	C2020	12	04.35734 22	57	06.46	-01	28	00.9	16.9 VqEX015Q21
G2173	C2020	12	04.36050 22	57	06.69	-01	28	14.9	16.9 VqEX015Q21
G2173	C2020	12	04.36365 22	57	06.87	-01	28	28.0	16.9 VqEX015Q21
G2173	C2020	12	04.36679 22	57	07.14	-01	28	42.7	16.9 VqEX015Q21
G2173	C2020	12	04.36785 22	57	07.20	-01	28	46.6	17.0 VqEX015Q21
G2173	C2020	12	04.36995 22	57	07.32	-01	28	57.2	17.0 VqEX015Q21
G2173	C2020	12	04.37205 22	57	07.39	-01	29	08.0	17.5 VqEX015Q21
G2173	C2020	12	04.37520 22	57	07.70	-01	29	19.5	17.0 VqEX015Q21
G2173	C2020	12	04.37836 22	57	07.91	-01	29	34.0	17.2 VqEX015Q21
G2173	C2020	12	04.38150 22	57	08.15	-01	29	48.3	17.0 VqEX015Q21
G3081	C2020	12	04.26189 23	30	16.245-07	00	37.93		19.9 wUEX015F52
G3081	C2020	12	04.27281 23	30	18.085-07	00	34.81		20.1 wUEX015F52
G3081	C2020	12	04.28374 23	30	19.914-07	00	31.62		20.0 wUEX015F52
G3081	C2020	12	04.29465 23	30	21.750-07	00	28.22		19.8 wUEX015F52
G3364	C2020	12	04.21083702	37	06.03	+19	24	19.4	18.63GVEX015G96
G3364	C2020	12	04.21597402	37	05.33	+19	24	13.8	18.60GVEX015G96
G3364	C2020	12	04.22111602	37	04.60	+19	24	07.9	18.71GVEX015G96
G3364	C2020	12	04.22626502	37	03.89	+19	24	02.2	18.64GVEX015G96
G3364	C2020	12	04.44699902	36	34.12	+19	19	58.6	18.11oVEX015T05
G3364	C2020	12	04.45024402	36	33.70	+19	19	54.3	18.31oVEX015T05
G3364	C2020	12	04.45756802	36	32.69	+19	19	46.8	18.41oVEX015T05
G3364	C2020	12	04.47046502	36	30.90	+19	19	31.8	18.40oVEX015T05
G3902	KC2020	12	05.06925604	51	55.43	+56	53	38.2	16.0 GVEX015V93
G3902	KC2020	12	05.11441304	51	53.65	+56	52	07.1	16.3 GVEX015V93
G3902	KC2020	12	05.15981204	51	51.70	+56	50	34.0	16.0 GVEX015V93
I6822	C2020	12	04.31637701	44	46.19	-33	17	26.5	16.87oVEX015T08
I6822	C2020	12	04.31960001	44	47.40	-33	17	16.4	16.86oVEX015T08
I6822	C2020	12	04.32604701	44	49.82	-33	16	56.6	16.84oVEX015T08
I6822	C2020	12	04.33758801	44	54.19	-33	16	20.8	17.02oVEX015T08
L3053	C2020	12	04.33598204	00	35.46	+21	17	55.2	20.28GVEX015G96
L3053	C2020	12	04.34119204	00	34.94	+21	17	53.8	20.35GVEX015G96
L3053	C2020	12	04.34638904	00	34.43	+21	17	52.1	21.01GVEX015G96
L3053	C2020	12	04.35158904	00	33.89	+21	17	51.4	20.74GVEX015G96
L3053	C2020	12	05.26833 03	59	05.16	+21	14	10.8	20.5 GVEX015V00
L3053	C2020	12	05.27266 03	59	04.73	+21	14	09.9	19.9 GVEX015V00
L3053	C2020	12	05.27701 03	59	04.28	+21	14	08.8	20.5 GVEX015V00
L3053	C2020	12	05.28135 03	59	03.84	+21	14	07.8	20.2 GVEX015V00
R6786	C2020	12	04.44398 03	49	13.185+28	16	55.48		19.7 iUEX015F52
R6786	C2020	12	04.45424 03	49	12.289+28	16	48.79		19.8 iUEX015F52
R6786	C2020	12	04.46447 03	49	11.375+28	16	42.00		19.7 iUEX015F52
R6786	C2020	12	04.47474 03	49	10.457+28	16	35.19		19.9 iUEX015F52
V6695	S2020	12	02.14246 23	09	58.77	+30	04	23.6	20 RLEX015C51
V6695	S2020	12	02.14246 1 +	5516.6559	+ 517.8602	+ 4027.7335			EX015C51
V6695	S2020	12	02.27323 23	10	14.04	+30	08	08.5	LEX015C51
V6695	S2020	12	02.27323 1 +	5512.3106	+ 529.0058	+ 4032.3327			EX015C51
V6695	S2020	12	02.40401 23	10	29.81	+30	11	50.3	LEX015C51
V6695	S2020	12	02.40401 1 +	5507.9900	+ 540.1954	+ 4036.6981			EX015C51
V6695	S2020	12	02.92724 23	11	32.12	+30	26	37.0	LEX015C51
V6695	S2020	12	02.92724 1 +	5442.4290	+ 566.2702	+ 4120.7143			EX015C51
V6695	S2020	12	03.25412 23	12	11.43	+30	35	43.8	LEX015C51
V6695	S2020	12	03.25412 1 +	5455.0608	+ 603.0057	+ 4098.7242			EX015C51
V6695	S2020	12	03.45034 23	12	35.33	+30	41	11.3	LEX015C51
V6695	S2020	12	03.45034 1 +	5423.9857	+ 609.9476	+ 4138.5496			EX015C51
V6695	S2020	12	03.90800 23	13	30.86	+30	53	49.4	LEX015C51
V6695	S2020	12	03.90800 1 +	5431.0906	+ 657.3877	+ 4121.8601			EX015C51
V6695	S2020	12	03.97345 23	13	38.89	+30	55	37.7	LEX015C51
V6695	S2020	12	03.97345 1 +	5404.5363	+ 653.0919	+ 4157.1492			EX015C51

V6695	C2020	12	04.10423523	13	55.06	+30	59	15.1	19.75GVEX015G96	
V6695	C2020	12	04.10996323	13	55.75	+30	59	23.9	19.72GVEX015G96	
V6695	C2020	12	04.11569323	13	56.40	+30	59	33.7	19.76GVEX015G96	
V6695	C2020	12	04.12142423	13	57.06	+30	59	42.9	19.63GVEX015G96	
Y5705	KC2020	11	29.72320421	54	56.83	+41	46	28.1	18.7 RVEX015160	
Y5705	KC2020	11	29.72606621	54	58.26	+41	46	13.8	18.4 RVEX015160	
Y5705	KC2020	11	29.72893321	54	59.55	+41	46	01.8	17.9 RVEX015160	
Y5705	C2020	12	04.05953322	27	11.24	+36	11	11.5	18.38GVEX015G96	
Y5705	C2020	12	04.06546122	27	13.60	+36	10	43.7	18.43GVEX015G96	
Y5705	C2020	12	04.07140322	27	15.96	+36	10	15.3	18.29GVEX015G96	
Y5705	C2020	12	04.07731722	27	18.31	+36	09	47.4	18.25GVEX015G96	
Y5705	C2020	12	04.32171322	28	56.69	+35	50	36.5	18.12oVEX015T05	
Y5705	C2020	12	04.32539422	28	58.15	+35	50	19.3	18.29oVEX015T05	
Y5705	C2020	12	04.33226922	29	00.86	+35	49	46.3	18.32oVEX015T05	
Y5705	C2020	12	04.34236522	29	04.93	+35	48	57.6	17.90oVEX015T05	
Z5046	C2020	12	04.44671	04	35	10.144+03	47	17.62	20.0 iUEX015F51	
Z5046	C2020	12	04.45921	04	35	08.269+03	47	27.47	20.0 iUEX015F51	
Z5046	C2020	12	04.48409	04	35	04.561+03	47	46.68	19.9 iUEX015F51	
b3579	C2020	12	04.44876	04	41	50.587+00	19	12.05	19.6 iUEX015F51	
b3579	C2020	12	04.46126	04	41	48.794+00	19	21.42	19.6 iUEX015F51	
b3579	C2020	12	04.47372	04	41	47.000+00	19	30.72	19.6 iUEX015F51	
b3579	C2020	12	04.48615	04	41	45.201+00	19	40.06	19.4 iUEX015F51	
b6848	C2020	12	04.14487623	29	15.03	+32	54	45.7	20.30GVEX015G96	
b6848	C2020	12	04.15010023	29	14.98	+32	54	42.3	20.18GVEX015G96	
b6848	C2020	12	04.15530923	29	14.95	+32	54	38.9	20.02GVEX015G96	
b6848	C2020	12	04.16052923	29	14.88	+32	54	35.5	20.07GVEX015G96	
c0321	C2020	12	04.33643903	58	26.61	+23	10	02.6	20.51GVEX015G96	
c0321	C2020	12	04.34164903	58	26.22	+23	10	02.1	20.78GVEX015G96	
c0321	C2020	12	04.34684603	58	25.83	+23	10	01.1	20.59GVEX015G96	
c0321	C2020	12	04.35204703	58	25.36	+23	10	00.7	20.05GVEX015G96	
c0929	C2020	12	04.32295	01	16	06.851+31	09	24.24	19.4 iUEX015F51	
c0929	C2020	12	04.33352	01	16	06.931+31	09	37.09	19.3 iUEX015F51	
c0929	C2020	12	04.34405	01	16	07.019+31	09	49.72	19.4 iUEX015F51	
c0929	C2020	12	04.34767	01	16	07.047+31	09	54.13	19.2 iUEX015F52	
c0929	C2020	12	04.35991	01	16	07.148+31	10	08.82	19.2 iUEX015F52	
c0929	C2020	12	04.36877	01	16	07.234+31	10	19.37	19.3 iUEX015F51	
c0929	C2020	12	04.37216	01	16	07.259+31	10	23.53	19.3 iUEX015F52	
c0929	C2020	12	04.38053	01	16	07.341+31	10	33.40	19.4 iUEX015F51	
c0929	C2020	12	04.39231	01	16	07.446+31	10	47.37	19.4 iUEX015F51	
c0929	C2020	12	04.40413	01	16	07.574+31	11	01.33	19.3 iUEX015F51	
c8185	7C2020	11	22.23791	02	29	58.29	+25	40	27.5	22.6 GVEX015G37
c8185	7C2020	11	22.24247	02	29	58.02	+25	40	26.9	22.6 GVEX015G37
c8185	7C2020	11	22.24473	02	29	57.89	+25	40	26.6	22.5 GVEX015G37
f5029	C2020	12	04.61087506	31	13.17	+40	45	05.1	17.35oVEX015T05	
f5029	C2020	12	04.66189206	31	06.74	+40	44	30.7	17.48oVEX015T05	
f5029	C2020	12	04.66419106	31	06.41	+40	44	29.4	17.18oVEX015T05	
g8086	KC2020	12	05.04798102	39	42.14	+38	31	15.3	18.6 GVEX015V93	
g8086	KC2020	12	05.09686902	39	41.08	+38	30	17.8	18.4 GVEX015V93	
g8086	KC2020	12	05.14051302	39	40.24	+38	29	28.3	18.5 GVEX015V93	
j0263	KC2020	12	04.27577904	27	26.28	+04	07	37.6	19.75GVEX015I52	
j0263	C2020	12	04.44478	04	27	00.663+04	09	09.54	19.6 iUEX015F51	
j0263	C2020	12	04.45726	04	26	58.725+04	09	16.03	19.6 iUEX015F51	
j0263	C2020	12	04.46973	04	26	56.789+04	09	22.65	19.9 iUEX015F51	
j0263	C2020	12	04.48215	04	26	54.842+04	09	29.15	19.9 iUEX015F51	
j9386	C2020	12	02.11767021	18	55.04	+28	24	22.7	19.70gUEX015I41	
j9386	C2020	12	02.13237021	18	57.80	+28	24	38.6	19.11rUEX015I41	
j9386	C2020	12	02.13895921	18	59.06	+28	24	45.8	18.92rUEX015I41	
j9386	C2020	12	02.13990021	18	59.24	+28	24	46.8	18.98rUEX015I41	
j9386	C2020	12	04.27722521	25	47.30	+29	02	53.2	19.07oVEX015T05	
j9386	C2020	12	04.28045021	25	47.88	+29	02	56.3	19.26oVEX015T05	
j9386	C2020	12	04.28686121	25	49.12	+29	03	02.8	19.02oVEX015T05	
j9386	C2020	12	04.29694221	25	51.02	+29	03	13.6	18.96oVEX015T05	
k5749	C2020	12	02.39015008	11	36.17	+33	37	52.3	17.24rUEX015I41	
k5749	C2020	12	02.39109008	11	36.36	+33	37	56.1	17.22rUEX015I41	
k5749	C2020	12	02.44574008	11	47.28	+33	41	42.0	17.66gUEX015I41	
k5749	C2020	12	02.44668108	11	47.46	+33	41	45.7	17.61gUEX015I41	
m0824	C2020	12	02.16535002	45	13.53	+06	04	48.9	19.36rUEX015I41	
m0824	C2020	12	02.17502002	45	12.87	+06	04	57.7	19.58gUEX015I41	
m0824	C2020	12	02.20537002	45	10.81	+06	05	25.9	19.64gUEX015I41	
m0824	C2020	12	02.30323002	45	04.22	+06	06	57.4	19.65gUEX015I41	
m0824	C2020	12	04.14387002	43	09.71	+06	35	26.8	19.91gUEX015I41	
m0824	C2020	12	04.14479102	43	09.65	+06	35	27.5	19.87gUEX015I41	
m0824	C2020	12	04.18648002	43	07.05	+06	36	05.9	19.58rUEX015I41	
m0824	C2020	12	04.37016002	42	55.62	+06	38	55.4	19.61gUEX015I41	
p3125	C2020	12	04.53760	05	49	17.918+07	07	10.92	18.1 iUEX015F52	
p3125	C2020	12	04.54786	05	49	16.189+07	07	13.94	18.3 iUEX015F52	
p3125	C2020	12	04.55818	05	49	14.457+07	07	16.86	18.3 iUEX015F52	
r0938	C2020	12	04.30206201	16	03.41	-34	43	43.3	18.05oVEX015T08	
r0938	C2020	12	04.30482601	16	03.80	-34	43	36.7	17.88oVEX015T08	
r0938	C2020	12	04.31038201	16	04.54	-34	43	24.0	18.32oVEX015T08	
r0938	C2020	12	04.32282301	16	06.23	-34	42	55.2	18.49oVEX015T08	

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