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MPEC X161: Daily Orbit Update (2015 Dec. 14 UT)

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DAILY ORBIT UPDATE (2015 DEC. 14 UT)

Update to MPEC 2015-XF5

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

Erroneous identification:

K07E19E K10R82F MPO213310

New identification:

J94S06Q K15XR2S	MPCW
J99VC3J K15XU2Y	MPCW
K01SK9J K10R82F K15XY3L	MPCW
K02W30C K15XY2M	MPCW
K03O26D K15XR0N	MPCW
K04D78V K15XR3L	MPCW
K04RG0Z K15XR6X	MPCW
K04TE2F K15XX6B	MPCW
K04X82R K15XU8K	MPCW
K05UG6E K14O61U K15XR5X	MPCW
K05UW2E K15XQ6Q	MPCW
K05V56O K15XT2U	MPCW
K05Y06V K15XZ0B	MPCW
K05YE1U K15XX5F	MPCW
K05YL6T K15XQ5A	MPCW
K06BN7S K15XW6M	MPCW
K06D99K K15VC5U	Lopez
K06QI6X K15XV1A	MPCW
K06RA6H K13HC3A K15XS7V	MPCW
K06RA6K K15XS5G	MPCW
K06U33Y K15XX8Z	MPCW
K08D41S K15XW2E	MPCW
K08YD7E K15XW8B	MPCW
K09R53Z K15XQ3U	MPCW

K09T03Z K15XR8C	MPCW
K09U50L K15XS8C	MPCW
K09V46D K15XU7N	MPCW
K10TG2R K12A22P K15XV0C	MPCW
K10U15V K15XV0G	MPCW
K10VL8E K15XW2T	MPCW
K10X12G K13L12Z K14S75L K15XX5W	MPCW
K11A50H K15XS4Y	MPCW
K11A71P K15XX8O	MPCW
K11B70O K15XT3G	MPCW
K11H34O K15XU7V	MPCW
K11O07X K15XT6B	MPCW
K11S45L K15XU0Y	MPCW
K11SI4G K15XT9C	MPCW
K11U81E K15XU6G	MPCW
K11UU1V K15XS6L	MPCW
K13CA3X K15XR2D	MPCW
K13E25F K15XX0H	MPCW
K13H61S K15XS1O	MPCW
K13H72Y K14Q91G K15XW5M	MPCW
K13H75V K15XT5K	MPCW
K13H88S K15XT8R	MPCW
K13H89D K15XQ6R	MPCW
K13H99J K15XQ7K	MPCW
K13HB5N K15XV1K	MPCW
K13N16R K15XR8T	MPCW
K14K82Y K15XU7B	MPCW
K14OD0L K15XS4U	MPCW
K14OD6X K15XR1S	MPCW
K14OD9W K15XY1K	MPCW
K14OK0Q K15XQ7G	MPCW
K14OU2Z K15XX6Z	MPCW
K14P66E K15XW8S	MPCW
K14QO4V K15XX3P	MPCW
K14QR8D K15XS6K	MPCW
K14S43G K15XQ2F	MPCW
K14S88D K00H17Q K15XW7W	MPCW
K15BB3B K10J89G	Sicoli
K15BB9T K06BO3H	Sicoli
K15BH1V K11F67W	MPCW
K15BH1V K06A11D	Sicoli
K15N10A K11S12O	MPCW
K15R83C K10M00L	MPCW
K15RN4C K04RS2V	MPCW
K15RN4K K14M63O	MPCW
K15RN5J K06A54W K14N23J	MPCW
K15RN6D K07EA6O	MPCW
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K15TA5Y K10O52V	MPCW
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K15TV8N K06P41V	MPCW
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K15TX1U K07C73S	MPCW
K15TX4Y K07B39P K12B83L	MPCW
K15U63G K11K15L	MPCW
K15U77O K01W21E	MPCW
K15U79H K12BA3K	MPCW
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K15VA8Y K01QW3A	MPCW
K15VB2C K06BN9M	MPCW
K15VB2J K14QF3P	MPCW
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K15VC4A K10A97G	MPCW
K15VE1N K07T86R	MPCW
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K15VE4P K14QU5K	MPCW
K15VE6T K14OV5U	MPCW
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K15W03A K04S23G K11Q49U	MPCW
K15W04W K06U13C	MPCW
K15W06L K04X84W K06J55Z	MPCW
K15W06P K11SN5D	MPCW
K15W06Q K04BF2S	MPCW
K15W06T K14H83Y	MPCW
K15X55X K03F64H K08SV1R K10JB8G	MPCW
K15XD0Q K13CK0V	MPCW
K15XD2B K07T80U	MPCW
K15XD4M K02AL0R K10W33W	MPCW
K15XE8Y K09U42T	MPCW
K15XH0C K04XF3T	MPCW
K15XH0G K10TC9W K14OW0Q	MPCW
K15XH0J K14R13X	MPCW
K15XH0L K11SA9T	MPCW
K15XH2D K14N41A	MPCW
K15XJ6N K04BE1L K13HA1T K14Q53F	MPCW
K15XJ9N K10T17W	MPCW
K15XL6C K14Qh9L	MPCW
K15XQ1C K11Ua2E	MPCW
K15XQ1R K11W96K	MPCW
K15XQ2A K03O31S K09Q59T	MPCW
K15XQ2K K14O81Q	MPCW
K15XQ2N K10W14U	MPCW
K15XQ2O K11Y06B	MPCW
K15XQ2U K14S42B	MPCW
K15XQ3G K06D18E K14P62D	MPCW
K15XQ6A K10W25D	MPCW
K15XQ6J K14OW6P	MPCW

New double designation:

K04BF2S K04C74K	MPCW
K15XG8R K15VB3Y	MPCW

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J93W00G	17.7	0.15	K161D	67.321	162.991	242.416	7.435	0.36027	2.63569	3 X	
J94S06Q	17.2	0.15	K161D	82.762	192.690	150.378	2.413	0.12666	2.96355	2 X	
J94U09U	17.4	0.15	K161D	102.499	323.096	356.447	3.609	0.26585	2.56726	6 X	
J97S14W	18.9	0.15	K161D	25.091	68.110	331.013	3.197	0.26957	2.34036	5 X	
J98S05E	16.5	0.15	K161D	95.150	100.412	249.036	19.988	0.35239	3.05512	4 X	
J98SF0A	17.2	0.15	K161D	66.231	20.877	332.263	1.460	0.24093	2.58007	7 X	
J99F83K	17.5	0.15	K161D	3.577	345.139	159.174	14.098	0.19317	2.65117	4 X	
J99JA5F	16.3	0.15	K161D	245.908	158.835	64.319	16.219	0.26561	2.73512	5 X	
J99R42E	16.9	0.15	K161D	10.373	206.988	180.780	15.437	0.30225	3.06493	2 X	
J99VC3J	18.3	0.15	K161D	14.698	334.108	83.308	2.598	0.27990	3.04716	2 X	
K00CD0G	17.1	0.15	K161D	263.534	220.171	344.818	0.923	0.14856	3.13680	4 X	
K00K39Q	17.5	0.15	K161D	259.556	90.904	107.563	4.489	0.23489	2.63435	4 X	
K00S37Z	18.1	0.15	K161D	35.187	202.209	140.089	3.516	0.32740	2.41885	3 X	
K00SV4J	16.7	0.15	K161D	140.414	22.142	273.592	10.774	0.14860	2.34426	5 X	
K00T10R	17.8	0.15	K161D	33.690	8.716	8.679	6.132	0.23250	2.40493	4 X	
K01G05Q	17.3	0.15	K161D	140.105	200.504	72.019	8.536	0.26379	2.20146	7 X	
K01J00O	15.3	0.15	K161D	241.412	151.704	57.158	34.523	0.36597	3.13511	5 X	
K01P52F	17.2	0.15	K161D	38.399	232.761	119.160	7.107	0.16611	2.28897	6 X	
K01QA7N	17.8	0.15	K161D	102.643	101.272	259.893	17.747	0.09725	1.93284	6 X	
K01QL8U	17.0	0.15	K161D	104.605	341.413	334.234	4.621	0.29230	2.69036	4 X	
K01QM5N	17.1	0.15	K161D	91.807	187.494	193.609	14.280	0.26476	2.66217	4 X	
K01SD7B	18.5	0.15	K161D	74.591	12.334	334.087	2.125	0.24191	2.27145	4 X	
K01SK9J	17.7	0.15	K161D	66.376	213.915	136.895	2.742	0.25934	2.73138	3 W	
K01SM9F	17.3	0.15	K161D	38.246	160.978	172.034	8.969	0.30394	2.79864	3 X	
K01SV3B	16.6	0.15	K161D	40.347	349.963	44.974	5.488	0.16219	2.72642	7 X	
K01TC6U	14.1	0.15	K161D	93.186	147.672	217.056	15.813	0.16659	5.21516	7 X	
K01TD5V	16.8	0.15	K161D	90.686	154.629	230.991	13.369	0.25677	2.67372	5 X	
K01TG5H	17.9	0.15	K161D	16.442	2.344	66.544	10.542	0.24007	2.29042	5 X	
K01TK2F	18.3	0.15	K161D	11.784	305.649	87.313	6.643	0.22855	2.31149	4 X	
K01TL2V	17.0	0.15	K161D	105.723	148.417	225.289	10.790	0.18575	2.65954	4 X	
K01TN2V	18.3	0.15	K161D	63.483	255.498	83.167	6.331	0.29915	2.28854	3 X	
K01TN7G	15.9	0.15	K161D	104.297	193.856	89.310	6.210	0.07118	2.78524	8 X	
K01TQ1Y	18.1	0.15	K161D	105.674	280.872	45.634	8.263	0.17615	2.25793	4 X	
K01U15R	17.9	0.15	K161D	45.558	134.415	252.245	5.191	0.22424	2.28515	4 X	
K01U54R	17.1	0.15	K161D	66.243	59.324	289.550	11.117	0.32230	2.73771	5 X	
K01U90X	16.7	0.15	K161D	169.262	108.504	197.713	14.409	0.08341	2.66067	8 X	
K01UG6V	16.7	0.15	K161D	69.174	119.659	187.438	9.057	0.10678	2.81665	8 X	
K01UN1K	17.7	0.15	K161D	59.943	302.618	65.690	4.750	0.18153	2.73691	5 X	
K01V22L	16.8	0.15	K161D	358.762	200.217	238.201	16.443	0.20473	2.79189	3 X	
K01W46M	18.0	0.15	K161D	48.411	356.189	26.703	1.531	0.24092	2.29304	5 X	
K01W69T	17.0	0.15	K161D	54.852	200.390	229.228	10.280	0.17449	2.70236	4 X	
K01XE3H	16.7	0.15	K161D	92.056	147.679	251.128	11.542	0.16418	2.70267	4 X	
K01XK0W	17.9	0.15	K161D	23.300	158.661	260.129	23.297	0.21825	2.30178	3 X	
K01Y06X	17.4	0.15	K161D	33.477	78.566	310.073	6.916	0.30773	2.79244	4 X	
K02E79J	17.3	0.15	K161D	302.502	313.609	198.785	9.432	0.15805	2.36746	5 X	
K02JF1B	15.5	0.15	K161D	358.486	16.466	56.655	16.747	0.01789	3.06850	7 X	
K02L62W	17.2	0.15	K161D	82.858	288.428	44.069	6.156	0.30525	2.56277	5 X	
K02L64R	17.2	0.15	K161D	85.438	295.531	33.323	5.396	0.28585	2.56370	4 X	
K02M04P	16.1	0.15	K161D	216.346	336.811	271.933	18.477	0.29457	3.05516	4 X	
K02N80M	17.1	0.15	K161D	92.463	137.550	146.197	4.700	0.19732	2.60207	8 X	
K02O36X	17.1	0.15	K161D	63.441	80.352	280.035	10.018	0.21300	2.57324	5 X	
K02P08S	17.4	0.15	K161D	43.492	129.774	232.787	4.929	0.29563	2.60029	4 X	
K02P16J	17.8	0.15	K161D	34.522	194.614	140.897	6.106	0.33173	2.63978	6 X	
K02P17Z	17.6	0.15	K161D	51.175	222.611	144.010	14.578	0.29220	2.58601	3 X	
K02P79X	16.0	0.15	K161D	119.067	71.562	294.366	24.919	0.24000	3.16162	4 X	
K02P86Z	17.4	0.15	K161D	57.825	197.070	161.769	14.839	0.26236	2.58318	4 X	

K02P91L	16.8	0.15	K161D	25.329	114.432	266.601	13.767	0.25588	2.61784	4 X
K02PC1X	17.9	0.15	K161D	39.330	186.901	181.293	7.100	0.31482	2.61697	2 X
K02PD0D	20.2	0.15	K161D	47.452	105.001	269.244	8.782	0.34360	1.88129	3 X
K02PD1N	16.5	0.15	K161D	73.412	91.109	245.087	14.473	0.13374	2.60548	5 X
K02PG1V	16.3	0.15	K161D	28.872	249.550	134.685	13.193	0.18244	2.59609	7 X
K02PJ5R	17.9	0.15	K161D	16.675	171.731	201.913	5.519	0.28373	2.63247	4 X
K02PK2G	17.0	0.15	K161D	46.589	15.612	10.616	3.851	0.18892	2.56870	3 X
K02Q31T	18.3	0.15	K161D	79.709	321.922	11.033	4.588	0.18143	2.15741	4 X
K02Q90Q	17.3	0.15	K161D	29.254	282.037	72.753	4.577	0.24529	2.64538	5 X
K02QC7B	16.3	0.15	K161D	228.886	298.215	292.926	5.658	0.11469	3.14763	6 X
K02QD3D	17.5	0.15	K161D	42.708	183.764	156.053	5.287	0.21790	2.62170	6 X
K02QE1W	15.8	0.15	K161D	34.232	282.504	194.466	16.123	0.01753	3.07955	6 X
K02R01M	16.2	0.15	K161D	51.934	140.821	241.725	10.834	0.06848	2.56473	6 X
K02R16Z	17.0	0.15	K161D	45.514	24.794	351.303	3.789	0.28176	2.60634	5 X
K02R95D	17.0	0.15	K161D	64.654	347.838	6.883	3.952	0.25634	2.60766	6 X
K02RD2P	16.1	0.15	K161D	105.634	123.860	261.937	9.542	0.27162	3.19498	6 X
K02R19V	15.9	0.15	K161D	255.012	87.371	182.537	11.568	0.13749	3.03470	8 X
K02RK2O	18.4	0.15	K161D	88.267	34.264	286.865	3.405	0.23768	2.16322	5 X
K02RR2Y	17.7	0.15	K161D	56.974	43.766	334.833	5.117	0.14831	2.57025	5 X
K02RR4K	17.7	0.15	K161D	147.919	259.298	32.714	2.450	0.14730	2.53013	4 X
K02RT0Z	17.3	0.15	K161D	55.637	298.637	63.850	6.972	0.27123	2.59595	3 X
K02RT1Z	17.3	0.15	K161D	11.895	200.106	190.254	9.269	0.18352	2.65768	3 X
K02RT2O	15.7	0.15	K161D	219.098	22.801	281.150	7.959	0.06204	3.08851	8 X
K02S65V	18.4	0.15	K161D	38.401	274.290	85.742	4.162	0.16996	2.18139	5 X
K02T64T	17.6	0.15	K161D	26.278	352.244	30.736	14.807	0.24409	2.63724	3 X
K02T05E	17.1	0.15	K161D	63.323	278.752	66.333	7.658	0.21289	2.62996	6 X
K02TT1G	18.2	0.15	K161D	27.534	48.397	334.348	4.121	0.33818	2.19893	3 X
K02TV0X	17.2	0.15	K161D	141.846	230.619	60.291	10.415	0.19490	2.57736	4 X
K02TV6H	17.4	0.15	K161D	68.005	248.375	85.800	13.452	0.20016	2.64836	3 X
K02TY3E	18.1	0.15	K161D	40.676	294.564	54.817	7.449	0.20812	2.20048	4 X
K02U14U	17.3	0.15	K161D	19.741	349.363	46.816	14.039	0.28402	2.64429	2 X
K02U29F	17.1	0.15	K161D	38.740	105.567	274.880	10.094	0.31725	2.64200	4 X
K02U53K	17.6	0.15	K161D	351.847	230.130	182.497	13.117	0.15858	2.67072	5 X
K02U79L	17.5	0.15	K161D	21.022	10.323	37.053	19.084	0.08158	1.88054	5 X
K02V70S	17.1	0.15	K161D	10.321	11.388	68.516	7.012	0.20889	2.62790	7 X
K02VA5V	16.8	0.15	K161D	35.428	327.573	47.236	14.696	0.26631	2.66435	5 X
K02VB1Z	17.1	0.15	K161D	33.187	356.392	47.484	5.014	0.16364	2.63469	8 X
K02VB4S	16.8	0.15	K161D	57.180	303.661	58.339	11.858	0.27725	2.64295	6 X
K02VE4K	18.0	0.15	K161D	40.190	211.854	211.697	8.814	0.21697	2.60261	4 X
K02W00K	16.4	0.15	K161D	45.593	109.506	279.818	27.473	0.43518	2.61672	4 X
K02W30C	17.9	0.15	K161D	26.122	167.274	245.993	12.095	0.13871	2.63429	2 X
K02X38A	17.8	0.15	K161D	343.632	37.583	48.978	22.604	0.06141	1.90056	6 X
K02X45P	18.0	0.15	K161D	56.938	298.991	77.912	22.874	0.12172	1.89404	2 X
K03A20B	17.9	0.15	K161D	30.254	228.663	213.414	7.280	0.36496	2.62388	5 X
K03B23P	16.3	0.15	K161D	306.014	254.445	252.184	11.768	0.18966	2.72281	6 X
K03B29E	16.7	0.15	K161D	280.015	38.107	130.979	12.523	0.19622	2.73589	4 X
K03E30A	16.6	0.15	K161D	292.826	321.779	155.433	10.069	0.17788	2.80349	6 X
K03FA7W	17.1	0.15	K161D	316.807	336.634	220.567	9.391	0.29578	2.69642	3 X
K03O26D	16.9	0.15	K161D	49.033	118.591	248.099	7.103	0.22061	3.14609	2 X
K03O33F	15.7	0.15	K161D	98.157	33.872	290.163	17.599	0.26932	3.10453	5 X
K03Q15V	17.1	0.15	K161D	122.259	101.193	270.559	6.140	0.28834	2.37295	5 X
K03SB3T	16.4	0.15	K161D	58.216	88.403	262.533	8.253	0.21004	3.17627	5 X
K03SV2X	17.1	0.15	K161D	29.652	321.102	90.035	4.061	0.15204	2.45604	5 X
K03SV4F	16.9	0.15	K161D	6.439	262.565	129.979	6.109	0.37766	3.31527	3 X
K03SY1E	16.7	0.15	K161D	114.245	352.768	322.921	3.783	0.14909	3.11897	7 X
K03U02N	15.9	0.15	K161D	208.622	132.068	90.785	17.904	0.18932	3.13829	6 X
K03U09S	18.6	0.15	K161D	41.155	194.888	226.864	9.720	0.41012	2.47151	3 X
K03U17D	16.1	0.15	K161D	105.221	158.365	221.032	11.169	0.17443	3.06734	4 X

K03U33N	17.0	0.15	K161D	12.945	332.403	84.218	1.970	0.17129	3.22386	3 X
K03U49Q	16.3	0.15	K161D	357.059	167.257	251.779	13.952	0.09015	2.52298	4 X
K03UG5M	16.1	0.15	K161D	99.013	159.592	218.369	9.484	0.04851	3.10928	6 X
K03UW5B	16.3	0.15	K161D	44.310	77.185	273.257	11.521	0.25404	3.20705	5 X
K03Ub2M	16.7	0.15	K161D	100.346	33.623	286.716	10.750	0.21557	3.11507	3 X
K03Ud4C	16.8	0.15	K161D	0.707	273.964	176.517	16.245	0.09866	3.20029	3 X
K03Uf3Z	4.4	0.15	K161D	109.144	144.700	136.158	12.043	0.22254	39.14621	13 X
K03W62G	16.6	0.15	K161D	60.609	190.038	236.203	12.133	0.22313	3.13811	3 X
K03X30G	16.6	0.15	K161D	341.144	261.920	246.208	17.398	0.12815	3.17775	5 X
K03Y22F	17.4	0.15	K161D	32.768	97.053	293.750	2.759	0.18325	2.53504	4 X
K03YD5T	15.8	0.15	K161D	102.391	92.707	296.959	25.473	0.17831	3.16604	4 X
K04D64B	16.6	0.15	K161D	69.664	207.465	105.728	5.599	0.10994	2.76974	5 X
K04D78V	18.1	0.15	K161D	261.003	99.138	99.215	4.856	0.16572	2.62310	2 X
K04F25W	16.8	0.15	K161D	281.447	145.923	35.709	2.741	0.27100	2.62945	6 X
K04G11S	16.2	0.15	K161D	322.298	72.160	78.006	28.267	0.23122	2.58686	5 X
K04K03P	16.2	0.15	K161D	257.420	14.019	241.596	14.070	0.04178	2.61526	3 X
K04P13O	17.6	0.15	K161D	56.716	254.851	106.419	3.378	0.20938	2.32244	5 X
K04P21G	15.9	0.15	K161D	22.846	34.705	330.055	17.367	0.35947	3.09686	3 X
K04Q10P	17.4	0.15	K161D	128.812	249.288	59.948	7.781	0.14598	2.28566	6 X
K04R25O	18.4	0.15	K161D	51.855	124.409	239.320	1.778	0.22281	2.33113	4 X
K04R64S	16.6	0.15	K161D	27.262	179.635	176.908	17.942	0.22518	3.10319	4 X
K04RGOZ	17.2	0.15	K161D	97.336	2.769	324.110	1.562	0.13976	2.96804	2 X
K04RK1W	17.4	0.15	K161D	124.230	159.592	201.733	10.229	0.22926	2.24379	5 X
K04RL3D	16.2	0.15	K161D	200.589	57.927	262.997	14.042	0.22430	2.75534	4 X
K04RN5B	17.0	0.15	K161D	41.824	77.746	305.259	2.851	0.22707	3.01595	4 X
K04RX5J	18.1	0.15	K161D	53.039	63.830	316.036	1.298	0.21740	2.34016	6 X
K04RX5Y	18.3	0.15	K161D	23.777	145.046	256.544	2.472	0.16709	2.35972	5 X
K04T26B	18.6	0.15	K161D	80.298	6.430	336.471	1.799	0.24852	2.32712	4 X
K04T39J	17.5	0.15	K161D	55.053	302.924	44.917	2.606	0.22716	2.36498	5 X
K04T76J	16.2	0.15	K161D	82.486	113.913	181.597	9.343	0.08244	3.12834	8 X
K04T91K	17.0	0.15	K161D	17.968	147.342	262.022	2.221	0.14292	3.06674	5 X
K04TA0Z	17.8	0.15	K161D	63.986	349.827	22.724	7.372	0.13079	2.33621	5 X
K04TD2N	16.7	0.15	K161D	23.906	94.895	282.975	8.191	0.25811	3.10728	3 X
K04TE2F	17.6	0.15	K161D	55.709	148.469	228.458	4.306	0.18313	3.02138	2 X
K04TH5G	16.5	0.15	K161D	65.332	116.491	208.888	15.901	0.35768	3.06920	5 X
K04TL5F	18.3	0.15	K161D	29.338	88.062	322.182	1.733	0.16206	2.33288	6 X
K04TX5T	16.1	0.15	K161D	19.463	322.215	45.412	12.230	0.06935	3.20161	5 X
K04V01K	15.6	0.15	K161D	33.385	127.918	233.969	26.129	0.19243	3.12053	3 X
K04V01T	16.6	0.15	K161D	8.027	170.257	249.222	6.929	0.30101	3.09828	4 X
K04V45A	16.4	0.15	K161D	90.385	259.834	70.546	11.111	0.21387	3.06615	4 X
K04V69D	16.7	0.15	K161D	73.658	278.615	67.698	22.693	0.20874	3.09762	4 X
K04V74J	15.1	0.15	K161D	80.433	270.320	64.147	22.854	0.12641	3.10294	3 X
K04W04Z	15.8	0.15	K161D	56.532	297.882	57.417	27.404	0.13761	3.10975	3 X
K04W06G	15.8	0.15	K161D	58.678	100.705	261.923	10.249	0.28233	3.06478	7 X
K04X66D	15.9	0.15	K161D	30.699	124.613	245.949	24.543	0.15978	3.17419	3 X
K04X82R	16.8	0.15	K161D	42.188	141.852	266.818	23.145	0.22591	2.36016	2 X
K04XA2X	17.6	0.15	K161D	49.089	153.492	271.200	18.285	0.08770	1.93680	3 X
K04XE6A	17.4	0.15	K161D	38.089	135.720	244.458	6.300	0.14976	2.38815	5 X
K04Y13S	18.6	0.15	K161D	11.400	313.987	110.163	3.449	0.18007	2.41219	4 X
K04Y37F	12.9	0.15	K161D	17.049	132.878	296.803	9.891	0.06257	5.15228	10 X
K05A10G	16.0	0.15	K161D	9.985	297.214	137.900	17.209	0.20102	3.17066	6 X
K05B01B	17.8	0.15	K161D	338.560	359.377	120.591	24.671	0.07662	1.97693	6 X
K05EA4A	16.1	0.15	K161D	306.727	49.170	167.309	17.072	0.18629	3.15336	5 X
K05EG9W	19.5	0.15	K161D	14.778	221.922	223.585	1.504	0.56859	2.38260	2 X
K05EJ1Y	16.9	0.15	K161D	9.766	313.859	178.349	12.781	0.19350	3.13258	4 X
K05ER6B	17.2	0.15	K161D	322.075	334.294	217.307	9.315	0.15337	2.39005	7 X
K05J47F	16.8	0.15	K161D	111.622	250.694	50.198	12.312	0.20115	2.65861	4 X
K05K08X	16.7	0.15	K161D	102.921	185.497	125.894	9.669	0.17622	2.66970	5 X

K05M16A	16.2	0.15	K161D	169.810	18.533	241.715	13.362	0.14027	2.62806	6 X
K05M25T	16.6	0.15	K161D	113.698	167.502	130.447	8.128	0.10924	2.74850	7 X
K05M36A	17.3	0.15	K161D	107.826	9.961	308.912	8.470	0.21548	2.72971	4 X
K05N01W	16.9	0.15	K161D	175.131	49.758	290.460	12.433	0.20568	2.57425	5 X
K05N26F	17.3	0.15	K161D	136.701	18.966	280.959	11.829	0.10970	2.68663	4 X
K05NC5F	16.8	0.15	K161D	83.586	61.842	274.425	6.187	0.08167	2.74790	5 X
K05O00T	18.2	0.15	K161D	105.880	256.978	64.712	4.739	0.20181	2.14944	6 X
K05Q16B	16.2	0.15	K161D	61.584	275.288	161.618	22.073	0.05473	2.64234	7 X
K05Q27D	17.9	0.15	K161D	110.737	216.231	89.307	3.405	0.17698	2.18329	5 X
K05Q29C	17.0	0.15	K161D	167.639	72.615	233.452	10.547	0.19062	2.65179	5 X
K05Q64C	17.5	0.15	K161D	43.012	209.283	140.876	5.470	0.13106	2.21930	6 X
K05QA7X	18.4	0.15	K161D	119.721	338.730	318.320	2.934	0.19677	2.17007	4 X
K05QC3M	18.4	0.15	K161D	33.252	224.747	178.869	1.631	0.07333	2.17171	5 X
K05QE1H	16.7	0.15	K161D	106.782	107.517	261.161	12.332	0.33394	2.71125	4 X
K05QF5S	16.8	0.15	K161D	128.878	161.611	168.274	16.255	0.22206	2.69447	6 X
K05R20S	17.6	0.15	K161D	92.502	47.523	274.338	5.783	0.22718	2.18939	4 X
K05R45A	16.6	0.15	K161D	113.867	97.488	243.466	13.323	0.24470	2.74811	5 X
K05R47D	17.5	0.15	K161D	30.131	268.150	119.259	11.012	0.15454	2.90157	2 X
K05S03C	18.2	0.15	K161D	53.017	344.654	7.066	3.084	0.20751	2.21822	3 X
K05S04Y	17.6	0.15	K161D	66.819	221.765	177.481	13.043	0.30149	2.76898	4 X
K05S72V	18.0	0.15	K161D	47.492	210.093	124.098	2.604	0.22697	2.24462	3 X
K05SF0G	18.1	0.15	K161D	8.397	208.915	183.478	5.887	0.17566	2.24837	6 X
K05T13S	16.6	0.15	K161D	118.817	108.394	255.026	9.892	0.30198	2.70453	5 X
K05T50M	16.7	0.15	K161D	80.557	52.502	295.137	8.478	0.18622	2.80681	6 X
K05T66E	17.6	0.15	K161D	62.507	298.716	40.029	8.654	0.23080	2.21811	5 X
K05T68S	16.3	0.15	K161D	262.117	162.710	25.766	4.353	0.03787	2.76601	10 X
K05TG8O	17.2	0.15	K161D	110.738	310.111	20.226	6.257	0.10173	2.81657	5 X
K05U11Y	16.9	0.15	K161D	67.802	226.396	208.447	14.063	0.06666	2.73235	5 X
K05U33E	17.1	0.15	K161D	348.713	39.393	44.855	10.899	0.07844	2.89467	5 X
K05U84P	17.4	0.15	K161D	14.187	354.313	63.792	2.883	0.07247	2.88011	6 X
K05U85H	16.4	0.15	K161D	48.531	285.267	44.764	12.144	0.16148	2.97769	5 X
K05UA1Z	17.5	0.15	K161D	178.253	169.201	89.124	5.004	0.09371	2.20672	3 X
K05UB4P	16.2	0.15	K161D	68.335	220.561	200.060	12.961	0.22119	2.76282	4 X
K05UC9Z	16.9	0.15	K161D	296.965	114.323	38.524	7.274	0.01247	2.85128	7 X
K05UD4K	16.7	0.15	K161D	149.387	104.610	236.425	11.925	0.19291	2.70201	4 X
K05UG6E	17.5	0.15	K161D	87.931	314.942	23.776	2.215	0.07548	2.86796	3 W
K05UI5K	18.7	0.15	K161D	92.067	276.186	58.289	4.531	0.19042	2.21245	4 X
K05UL1Y	16.8	0.15	K161D	139.768	136.284	222.491	11.473	0.14121	2.71706	6 X
K05UM8G	16.8	0.15	K161D	63.935	268.390	77.271	3.469	0.15814	2.91540	4 X
K05UP0K	17.4	0.15	K161D	14.410	190.205	233.123	4.844	0.10510	2.21622	6 X
K05UV1X	18.1	0.15	K161D	72.400	275.899	60.320	3.939	0.22486	2.21623	3 X
K05UW2E	17.9	0.15	K161D	4.226	152.242	282.880	2.470	0.11648	2.90580	2 X
K05Ua4O	16.3	0.15	K161D	38.162	273.594	65.114	10.017	0.12995	3.00740	6 X
K05Ub5T	16.4	0.15	K161D	5.895	268.675	243.293	11.446	0.04174	2.69683	5 X
K05Ud7N	17.6	0.15	K161D	36.654	284.324	68.843	5.309	0.13801	2.25217	5 X
K05Ue6Q	18.2	0.15	K161D	15.201	357.456	63.452	5.388	0.13897	2.21822	2 X
K05Ug9N	17.0	0.15	K161D	105.198	337.852	353.528	1.465	0.07616	2.87586	5 X
K05UI9J	17.3	0.15	K161D	15.680	281.024	93.488	6.207	0.24724	2.97979	4 X
K05Um7Z	17.3	0.15	K161D	46.355	114.303	246.421	14.245	0.27548	2.88398	4 X
K05Un0S	18.4	0.15	K161D	358.555	294.877	116.027	3.259	0.21027	2.24970	3 X
K05Up2D	16.6	0.15	K161D	56.027	166.302	240.240	12.394	0.19099	2.80953	7 X
K05Uq5G	16.9	0.15	K161D	48.005	270.329	167.352	14.450	0.20952	2.77176	4 X
K05V07A	17.7	0.15	K161D	43.443	104.086	266.016	19.687	0.40793	2.21495	2 X
K05V09E	16.4	0.15	K161D	17.937	308.192	63.323	11.463	0.13987	3.00196	4 X
K05V21W	17.1	0.15	K161D	18.949	295.336	118.499	3.060	0.05212	2.88426	5 X
K05V23S	16.8	0.15	K161D	135.650	261.070	40.092	9.601	0.12498	2.85241	7 X
K05V56O	17.4	0.15	K161D	179.213	149.157	113.101	3.221	0.01766	2.85803	2 X
K05V88E	18.5	0.15	K161D	33.055	293.022	63.153	11.731	0.21214	2.26255	2 X

K05VB3N	17.1	0.15	K161D	71.346	69.834	269.153	6.716	0.22042	2.92393	3 X
K05W20Y	17.1	0.15	K161D	21.811	304.073	54.518	12.032	0.20206	3.02506	3 X
K05W25P	18.8	0.15	K161D	61.353	79.631	288.935	2.777	0.20136	2.22245	5 X
K05W26X	17.6	0.15	K161D	23.879	313.733	63.089	7.137	0.13093	2.27581	3 X
K05W46X	16.8	0.15	K161D	1.678	323.387	63.073	6.894	0.14348	3.04282	5 X
K05W97G	17.0	0.15	K161D	16.637	341.929	66.283	11.596	0.11524	2.94726	3 X
K05WB9H	16.4	0.15	K161D	22.457	229.153	246.421	14.609	0.12775	2.77905	4 X
K05WC2U	16.6	0.15	K161D	54.467	315.134	53.791	9.081	0.21884	2.88013	6 X
K05WK4S	18.3	0.15	K161D	22.601	29.763	37.117	6.029	0.15125	2.18514	5 X
K05X39Z	18.9	0.15	K161D	335.037	110.671	16.527	1.252	0.15913	2.24321	5 X
K05X49F	16.8	0.15	K161D	334.846	23.653	45.112	5.272	0.17763	3.05271	3 X
K05X68T	17.2	0.15	K161D	49.999	17.520	14.190	1.850	0.06500	2.91227	5 X
K05X77F	16.6	0.15	K161D	5.272	233.397	240.349	8.325	0.23811	2.90034	5 X
K05X77T	21.1	0.15	K161D	247.064	149.935	84.826	17.220	0.26629	0.84102	3 X
K05Y06V	17.3	0.15	K161D	32.789	77.974	309.787	1.643	0.21123	2.96862	2 X
K05Y21B	18.2	0.15	K161D	335.606	184.575	287.784	4.599	0.14956	2.26312	4 X
K05Y31E	16.0	0.15	K161D	70.544	79.093	291.181	9.767	0.09376	2.98474	4 X
K05Y73T	16.2	0.15	K161D	8.287	144.025	292.807	9.105	0.08109	2.96118	5 X
K05Y79H	18.1	0.15	K161D	269.291	254.183	292.956	3.202	0.08181	2.26219	5 X
K05Y81Y	16.4	0.15	K161D	338.621	184.354	283.823	9.206	0.05980	2.99307	5 X
K05YB4V	16.1	0.15	K161D	69.951	247.112	105.442	12.413	0.04655	3.07170	5 X
K05YE1U	16.7	0.15	K161D	299.777	70.193	97.988	11.065	0.17439	2.97615	2 X
K05YE3R	17.0	0.15	K161D	288.684	243.356	312.484	7.657	0.34007	3.01771	4 X
K05YL6A	16.7	0.15	K161D	248.570	196.900	19.451	1.892	0.15649	2.97196	6 X
K05YL6T	16.8	0.15	K161D	268.345	153.785	26.866	3.228	0.11606	3.00805	2 X
K05YP8F	16.1	0.15	K161D	307.667	316.615	271.397	12.552	0.15112	2.74809	5 X
K06AA4E	15.8	0.15	K161D	103.614	26.564	306.573	8.872	0.10413	3.06242	3 X
K06B21F	16.3	0.15	K161D	48.255	237.580	134.026	10.879	0.11214	3.09626	4 X
K06B40J	18.3	0.15	K161D	36.522	97.189	312.345	7.296	0.12689	2.25998	3 X
K06BB2D	15.2	0.15	K161D	85.628	197.146	127.861	12.463	0.11929	3.17518	9 X
K06BN2C	18.1	0.15	K161D	344.819	350.556	117.242	9.895	0.31339	2.98099	2 X
K06BN7S	17.5	0.15	K161D	347.342	359.818	110.786	6.754	0.24562	2.97904	2 X
K06C21B	16.6	0.15	K161D	237.838	52.879	143.344	13.270	0.09529	3.11268	4 X
K06C32R	18.2	0.15	K161D	349.386	195.716	257.857	4.110	0.09616	2.29560	5 X
K06C46X	18.3	0.15	K161D	327.503	335.304	111.150	3.853	0.14561	2.32592	4 X
K06D52L	16.3	0.15	K161D	289.485	353.817	148.490	10.180	0.04059	3.17226	3 X
K06D99K	16.4	0.15	K161D	358.907	256.560	159.858	16.962	0.24466	3.11146	5 X
K06DK5M	18.7	0.15	K161D	295.227	173.872	359.698	2.337	0.16257	2.28764	3 X
K06DK9G	16.8	0.15	K161D	278.010	155.115	35.703	5.846	0.15461	3.11208	5 X
K06DL5E	18.8	0.15	K161D	321.036	135.934	9.657	2.625	0.17474	2.29364	4 X
K06F02E	16.7	0.15	K161D	240.084	194.232	24.397	5.436	0.15219	3.17289	6 X
K06F09O	15.2	0.15	K161D	299.480	66.518	34.747	19.183	0.10217	3.24947	3 X
K06F50K	16.9	0.15	K161D	285.583	46.925	141.316	22.117	0.21984	2.31049	4 X
K06F50L	15.7	0.15	K161D	272.171	120.874	77.998	23.675	0.18516	3.11888	5 X
K06H56C	16.9	0.15	K161D	243.153	144.471	72.402	7.812	0.12692	2.36283	6 X
K06H63M	17.7	0.15	K161D	196.170	202.102	52.493	9.244	0.18827	2.40042	6 X
K06HA4A	17.4	0.15	K161D	321.209	48.758	82.803	23.962	0.20219	2.35855	2 X
K06J53R	17.7	0.15	K161D	303.610	99.177	68.244	5.488	0.16278	2.34463	7 X
K06K32S	18.2	0.15	K161D	291.136	81.574	79.727	3.769	0.14956	2.37041	5 X
K06K73G	16.2	0.15	K161D	305.772	15.913	194.035	11.717	0.10462	3.09533	5 X
K06N00G	17.5	0.15	K161D	96.775	243.035	68.607	8.563	0.20033	2.58649	3 X
K06O00W	16.6	0.15	K161D	72.673	110.729	245.326	9.557	0.17503	2.57510	5 X
K06Q44H	17.3	0.15	K161D	56.559	278.221	75.809	5.661	0.22981	2.62287	4 X
K06Q62E	17.0	0.15	K161D	10.946	205.399	171.696	9.625	0.23457	2.72792	5 X
K06QD8T	16.6	0.15	K161D	38.214	255.290	83.097	10.743	0.26113	2.71426	5 X
K06QF8K	17.6	0.15	K161D	78.294	46.789	296.402	2.996	0.22351	2.61386	4 X
K06QI6A	17.1	0.15	K161D	87.929	293.260	35.115	3.383	0.14167	2.62435	7 X
K06QI6X	18.1	0.15	K161D	63.070	187.386	180.880	3.784	0.12825	2.60969	2 X

K06R03F	16.1	0.15	K161D	14.314	311.668	71.619	13.516	0.15561	2.74145	7 X
K06R06R	17.0	0.15	K161D	26.638	169.774	193.468	10.247	0.29332	2.72930	2 X
K06R30T	17.3	0.15	K161D	88.937	338.203	359.639	3.447	0.22777	2.60839	6 X
K06R80B	17.3	0.15	K161D	93.985	237.148	88.804	1.292	0.12330	2.63350	6 X
K06R91S	17.3	0.15	K161D	50.016	175.922	188.454	9.462	0.15971	2.67773	5 X
K06R99T	16.6	0.15	K161D	46.357	285.001	93.778	17.468	0.23384	2.63590	5 X
K06RA0W	16.8	0.15	K161D	148.617	239.488	47.111	8.794	0.20296	2.55210	7 X
K06RA6H	18.3	0.15	K161D	233.195	7.657	199.362	3.155	0.00626	2.62336	3 W
K06RA6K	17.4	0.15	K161D	221.821	337.165	247.295	1.075	0.12817	2.58904	2 X
K06S01V	17.2	0.15	K161D	26.965	213.480	174.188	7.562	0.27645	2.68629	5 X
K06S05Q	17.1	0.15	K161D	63.521	325.510	30.868	5.902	0.25855	2.65258	4 X
K06S27Z	17.5	0.15	K161D	41.138	139.696	239.096	4.429	0.16556	2.62089	5 X
K06SB0J	16.6	0.15	K161D	42.805	323.205	35.631	14.229	0.26889	2.69138	3 X
K06SB0X	16.6	0.15	K161D	41.535	253.139	107.709	9.334	0.28825	2.69299	5 X
K06SB9J	17.6	0.15	K161D	17.835	254.850	124.377	4.518	0.28773	2.72576	4 X
K06SC9B	17.0	0.15	K161D	75.210	67.943	259.162	11.677	0.27956	2.66581	3 X
K06SD4W	16.4	0.15	K161D	94.446	54.584	261.135	11.915	0.15004	2.61714	5 X
K06SE0G	14.6	0.15	K161D	69.667	278.819	66.984	16.091	0.31383	3.98150	4 X
K06SE9F	18.7	0.15	K161D	71.868	211.955	196.922	13.112	0.16314	2.00654	4 X
K06SI9K	17.1	0.15	K161D	351.060	355.045	87.510	2.898	0.03112	2.63720	7 X
K06SN3Q	17.6	0.15	K161D	330.913	196.350	272.705	3.412	0.05182	2.62202	6 X
K06SN3X	18.0	0.15	K161D	20.118	139.413	269.915	3.148	0.09603	2.64906	4 X
K06SP6P	17.1	0.15	K161D	94.711	56.106	268.588	1.998	0.09163	2.66170	5 X
K06SR5T	17.6	0.15	K161D	112.478	9.322	308.842	2.786	0.17730	2.59047	4 X
K06SS2S	17.6	0.15	K161D	23.375	341.279	53.540	14.985	0.24388	2.69795	2 X
K06ST2B	16.7	0.15	K161D	70.979	219.212	135.645	18.475	0.21617	2.63392	6 X
K06SU2Y	16.9	0.15	K161D	61.680	164.780	195.165	12.285	0.11600	2.64436	7 X
K06SV0G	16.9	0.15	K161D	118.276	357.373	306.533	2.252	0.27887	2.60317	4 X
K06Sc3S	17.9	0.15	K161D	38.142	299.821	88.771	5.713	0.11158	2.66682	4 X
K06Sc5G	17.3	0.15	K161D	31.731	318.891	71.297	13.443	0.15500	2.69452	3 X
K06Sf0A	17.6	0.15	K161D	33.334	239.797	199.739	8.167	0.13528	2.56913	6 X
K06T15P	17.0	0.15	K161D	57.998	97.593	260.758	1.435	0.11699	2.68339	3 X
K06T52U	17.4	0.15	K161D	82.941	183.946	210.834	10.886	0.22974	2.59092	4 X
K06T84M	17.4	0.15	K161D	105.913	120.073	225.485	13.813	0.24672	2.59100	4 X
K06TA4W	17.7	0.15	K161D	15.666	12.608	54.378	6.273	0.25116	2.69086	4 X
K06U11J	17.1	0.15	K161D	56.932	322.782	48.703	4.399	0.18194	2.66901	7 X
K06U33Y	18.1	0.15	K161D	14.252	244.668	190.741	1.549	0.12426	2.65915	2 X
K06U43Y	17.5	0.15	K161D	17.257	29.457	38.583	4.449	0.04984	2.66875	6 X
K06U61R	16.2	0.15	K161D	112.005	138.754	244.329	14.152	0.11780	2.56885	4 X
K06U84B	17.3	0.15	K161D	55.981	338.565	42.832	4.026	0.12767	2.68022	5 X
K06U99A	16.7	0.15	K161D	63.212	264.212	49.346	20.778	0.19583	2.77345	3 X
K06UA5N	17.1	0.15	K161D	44.270	308.807	64.423	9.583	0.16612	2.71519	3 X
K06UA9D	16.9	0.15	K161D	116.734	263.785	58.105	15.108	0.14351	2.65193	6 X
K06UC3R	17.6	0.15	K161D	100.910	154.571	164.003	1.569	0.07039	2.67628	4 X
K06UC6Q	17.4	0.15	K161D	61.233	342.355	12.846	5.222	0.12978	2.69599	5 X
K06UD4U	17.0	0.15	K161D	315.784	82.729	47.969	13.248	0.15872	2.69879	3 X
K06UG2X	17.6	0.15	K161D	42.892	284.372	76.484	2.649	0.31580	2.70060	4 X
K06UJ0X	16.9	0.15	K161D	98.005	127.984	257.026	11.282	0.16605	2.54784	5 X
K06UK7P	17.5	0.15	K161D	42.235	83.140	294.004	9.536	0.29943	2.68103	4 X
K06UL7W	17.5	0.15	K161D	90.406	168.128	214.343	13.298	0.28661	2.57591	4 X
K06UP0F	17.3	0.15	K161D	67.237	148.881	207.327	1.352	0.10146	2.68345	4 X
K06UP2M	17.1	0.15	K161D	70.148	133.910	214.316	4.203	0.12961	2.69005	4 X
K06UP5E	17.2	0.15	K161D	61.711	126.522	219.542	4.758	0.18929	2.71367	3 X
K06UQ6D	17.4	0.15	K161D	25.520	50.383	0.818	2.755	0.23172	2.69034	5 X
K06US4X	17.0	0.15	K161D	53.008	321.202	57.383	10.009	0.20996	2.69676	4 X
K06UX3S	18.2	0.15	K161D	11.764	272.512	148.016	9.494	0.17920	2.69762	4 X
K06V17X	17.6	0.15	K161D	58.620	346.920	26.245	2.926	0.15237	2.68420	6 X
K06V38H	17.8	0.15	K161D	95.769	286.419	41.823	2.739	0.21034	2.66530	3 X

K06V58B	17.4	0.15	K161D	66.762	145.905	208.866	4.669	0.12808	2.72111	5 X
K06V76M	17.8	0.15	K161D	3.492	327.116	102.772	3.644	0.08888	2.71841	5 X
K06VA7S	16.0	0.15	K161D	359.898	245.474	202.666	21.542	0.06304	2.66579	3 X
K06VA8S	16.9	0.15	K161D	130.314	118.559	248.714	13.546	0.09083	2.55774	5 X
K06VB0G	17.6	0.15	K161D	66.201	350.768	359.309	5.267	0.27494	2.70175	3 X
K06VC2Z	15.8	0.15	K161D	295.923	280.362	247.388	24.651	0.32694	2.74524	5 X
K06VE8M	17.4	0.15	K161D	10.532	351.962	85.693	9.166	0.28690	2.75147	5 X
K06VH3J	16.9	0.15	K161D	72.934	263.417	77.156	8.081	0.15361	2.76068	7 X
K06W15O	17.4	0.15	K161D	101.703	294.426	30.116	3.735	0.19395	2.63969	6 X
K06W59V	17.3	0.15	K161D	7.819	259.749	232.661	12.201	0.21418	2.59105	6 X
K06W93O	17.0	0.15	K161D	104.023	250.428	68.333	12.647	0.25566	2.68179	5 X
K06WA0R	16.4	0.15	K161D	293.533	251.649	255.215	14.388	0.11362	2.72272	3 X
K06WB9Y	16.8	0.15	K161D	33.445	181.179	254.582	10.653	0.17513	2.65174	4 X
K06W13W	17.0	0.15	K161D	88.348	108.247	283.846	11.338	0.28227	2.63728	4 X
K06X00T	17.7	0.15	K161D	340.694	4.553	97.975	4.749	0.15587	2.74912	3 X
K06X33Y	16.5	0.15	K161D	13.080	138.544	297.468	8.517	0.06849	2.73987	4 X
K06X40W	16.9	0.15	K161D	15.505	341.013	91.330	14.982	0.22391	2.70115	4 X
K06X65A	16.1	0.15	K161D	183.694	124.780	210.035	12.166	0.12677	2.53208	6 X
K06X73G	16.9	0.15	K161D	278.049	108.609	72.214	11.491	0.06622	2.73182	7 X
K07B76O	16.9	0.15	K161D	327.142	342.369	86.473	3.188	0.10973	2.92530	5 X
K07C27S	17.0	0.15	K161D	337.387	354.267	111.228	14.174	0.19808	2.80617	3 X
K07C62T	16.5	0.15	K161D	22.109	203.838	278.362	12.762	0.20490	2.67771	4 X
K07DB5L	18.3	0.15	K161D	270.148	18.611	150.001	0.957	0.06459	2.17907	5 X
K07EM3U	17.0	0.15	K161D	19.553	299.336	187.870	14.768	0.03598	2.76654	5 X
K07G01E	18.2	0.15	K161D	259.982	121.807	59.557	3.630	0.07720	2.17348	5 X
K07G11V	16.4	0.15	K161D	258.966	118.549	171.584	19.809	0.32833	2.77956	5 X
K07G18E	16.4	0.15	K161D	195.856	353.062	240.597	6.752	0.12367	3.11777	6 X
K07G30E	15.9	0.15	K161D	197.912	205.678	46.221	9.126	0.28654	3.09659	6 X
K07G51E	16.2	0.15	K161D	150.985	46.073	225.033	9.508	0.10215	3.20447	5 X
K07H41E	15.8	0.15	K161D	184.402	16.557	230.883	13.043	0.16229	3.15678	6 X
K07H67O	18.0	0.15	K161D	92.564	104.983	196.357	13.257	0.35648	2.35836	4 X
K07H68N	16.7	0.15	K161D	267.688	131.681	40.457	11.334	0.12417	3.00836	4 X
K07H74U	16.0	0.15	K161D	198.126	175.114	61.730	11.645	0.08705	3.13601	5 X
K07L32D	16.1	0.15	K161D	211.257	160.330	63.183	12.986	0.15882	3.14120	5 X
K07Q13F	18.2	0.15	K161D	64.946	355.745	352.159	2.132	0.20407	2.44675	6 X
K07RB3T	16.5	0.15	K161D	97.651	223.165	196.628	15.347	0.02605	3.25139	6 X
K07RE4B	16.1	0.15	K161D	225.638	111.577	185.018	17.479	0.24125	3.10642	4 X
K07RF7K	17.8	0.15	K161D	50.105	211.171	165.948	9.371	0.07951	2.42892	3 X
K07RH2K	18.4	0.15	K161D	27.494	328.088	73.714	2.718	0.16902	2.46482	3 X
K07RI7P	17.9	0.15	K161D	86.945	355.828	342.861	1.776	0.21173	2.42984	4 X
K07RT2H	18.0	0.15	K161D	156.895	251.828	35.660	3.073	0.14930	2.38293	5 X
K07RT5V	17.6	0.15	K161D	109.817	288.695	33.035	6.409	0.15094	2.41724	4 X
K07RW1G	17.0	0.15	K161D	27.006	176.562	244.319	5.811	0.12340	2.41813	7 X
K07T45Q	16.2	0.15	K161D	17.071	185.784	211.806	2.101	0.22874	3.92175	4 X
K07T50Y	17.5	0.15	K161D	132.726	295.662	6.097	2.617	0.20462	2.41481	4 X
K07T59O	17.8	0.15	K161D	36.278	357.940	48.886	1.634	0.15830	2.41904	6 X
K07T65P	17.6	0.15	K161D	69.407	59.965	309.432	5.508	0.12676	2.44422	4 X
K07T79Y	18.2	0.15	K161D	109.817	118.399	221.087	21.538	0.09114	1.87444	5 X
K07T99U	18.5	0.15	K161D	58.874	321.408	49.369	2.366	0.18804	2.44356	4 X
K07TH7S	16.3	0.15	K161D	18.014	347.877	46.219	9.398	0.26400	3.95486	3 X
K07TJ8Y	17.3	0.15	K161D	56.197	221.902	220.914	5.965	0.10551	2.35474	9 X
K07TK0K	18.3	0.15	K161D	45.494	88.722	311.241	2.168	0.11004	2.39915	4 X
K07TM9H	16.2	0.15	K161D	34.257	340.331	31.663	4.294	0.20414	3.95208	4 X
K07TP2U	18.0	0.15	K161D	91.521	198.861	199.035	8.787	0.13138	2.35490	6 X
K07TV6E	15.8	0.15	K161D	56.927	289.955	66.507	4.827	0.10250	3.94251	3 X
K07Ta1O	17.6	0.15	K161D	37.231	327.565	49.782	16.472	0.18727	2.53118	4 X
K07Th0P	17.1	0.15	K161D	354.311	3.127	11.414	14.724	0.10286	2.56779	5 X
K07Ti5X	17.4	0.15	K161D	106.254	139.561	243.022	9.631	0.15574	2.34710	4 X

K07U13S	17.9	0.15	K161D	171.227	243.207	34.648	7.240	0.11077	2.36264	4 X
K07U19A	18.1	0.15	K161D	95.381	319.442	7.775	1.368	0.13132	2.45472	6 X
K07U52F	16.1	0.15	K161D	105.594	219.297	54.453	14.640	0.15000	2.63088	6 X
K07U55B	17.7	0.15	K161D	15.354	261.137	225.545	7.333	0.13459	2.38190	7 X
K07V08P	17.4	0.15	K161D	7.532	297.332	91.039	4.773	0.08635	2.59192	7 X
K07V09J	17.1	0.15	K161D	315.005	8.519	94.574	6.293	0.24644	2.59330	5 X
K07V11D	15.7	0.15	K161D	36.457	50.758	325.574	4.590	0.33368	3.94499	4 X
K07V42Z	17.6	0.15	K161D	348.677	330.382	84.292	11.353	0.12997	2.57765	6 X
K07V49T	18.2	0.15	K161D	63.202	354.591	7.882	4.844	0.22154	2.48659	5 X
K07V92B	17.8	0.15	K161D	353.039	229.176	187.393	8.720	0.15166	2.57117	3 X
K07VJ1A	18.2	0.15	K161D	110.263	257.545	78.879	23.494	0.08276	1.90225	4 X
K07VO1D	18.5	0.15	K161D	13.308	215.966	175.580	8.019	0.35145	2.55038	3 X
K07VS2P	17.9	0.15	K161D	45.024	142.095	233.568	5.457	0.11065	2.53127	3 X
K07VV6W	17.5	0.15	K161D	54.552	306.360	69.217	5.562	0.21926	2.54838	3 X
K07VW3L	18.0	0.15	K161D	24.755	342.940	56.927	2.438	0.22908	2.52293	3 X
K07VW5N	18.3	0.15	K161D	17.721	103.511	302.262	3.665	0.28523	2.53088	4 X
K07W04U	18.8	0.15	K161D	24.804	283.269	67.038	29.222	0.50780	2.55305	3 X
K07W51D	18.6	0.15	K161D	35.828	187.681	196.124	2.564	0.18725	2.52765	6 X
K07W63B	17.5	0.15	K161D	22.879	77.024	321.707	3.733	0.22026	2.54893	3 X
K07X09W	17.5	0.15	K161D	128.132	245.249	74.422	22.709	0.06545	1.91793	6 X
K07X13F	17.9	0.15	K161D	39.388	4.744	35.401	2.963	0.16750	2.44364	4 X
K07X28F	16.7	0.15	K161D	308.049	75.536	76.365	25.370	0.18953	2.53787	5 X
K07X42B	17.3	0.15	K161D	23.332	334.066	68.087	6.025	0.28065	2.55722	3 X
K07X51Q	16.7	0.15	K161D	316.005	220.809	280.600	13.469	0.06026	2.55346	5 X
K07X56G	16.5	0.15	K161D	313.232	68.427	86.280	14.762	0.14177	2.53166	4 X
K07X59F	17.0	0.15	K161D	70.490	33.343	333.294	3.368	0.12518	2.51491	6 X
K07Y30V	17.1	0.15	K161D	46.494	138.818	254.317	0.350	0.15962	2.51259	5 X
K07Y50B	17.3	0.15	K161D	44.428	286.458	94.826	5.362	0.26862	2.56357	5 X
K07Y67C	17.3	0.15	K161D	321.821	219.100	256.621	1.798	0.09825	2.62416	4 X
K08A40U	18.4	0.15	K161D	340.012	118.829	2.715	3.050	0.20753	2.57995	5 X
K08A62R	17.7	0.15	K161D	19.227	206.092	285.364	11.319	0.10129	2.45115	4 X
K08A76U	17.1	0.15	K161D	38.024	302.989	85.435	4.841	0.29880	2.56766	5 X
K08B18D	16.7	0.15	K161D	231.850	57.173	145.658	11.887	0.02440	2.68891	3 X
K08B38D	16.9	0.15	K161D	48.762	237.257	146.976	14.503	0.14283	2.65277	7 X
K08C05O	17.5	0.15	K161D	290.726	358.064	170.755	7.095	0.28461	2.64727	2 X
K08C08R	16.7	0.15	K161D	272.894	347.011	134.363	4.786	0.04838	2.78265	5 X
K08C51L	17.9	0.15	K161D	314.766	192.463	319.131	3.577	0.13127	2.55316	6 X
K08C62T	18.5	0.15	K161D	53.524	295.245	145.600	23.975	0.09437	1.91293	3 X
K08CA9Y	18.2	0.15	K161D	29.069	284.149	171.611	12.790	0.22849	2.53775	5 X
K08CB8U	16.3	0.15	K161D	338.587	198.226	242.530	12.131	0.11322	2.72546	6 X
K08CE5J	17.8	0.15	K161D	284.582	249.396	303.881	2.745	0.21926	2.61746	5 X
K08CK1A	18.0	0.15	K161D	301.240	214.577	314.735	1.386	0.17482	2.64082	4 X
K08D41S	18.3	0.15	K161D	10.436	317.048	117.754	3.048	0.15267	2.59713	2 X
K08E18E	17.3	0.15	K161D	321.530	314.141	213.245	11.451	0.14799	2.61893	6 X
K08E33E	17.9	0.15	K161D	350.398	354.027	161.431	23.174	0.06040	1.92885	3 X
K08E49K	17.2	0.15	K161D	325.558	3.557	183.514	12.064	0.12734	2.55529	6 X
K08E58J	17.5	0.15	K161D	44.676	247.614	156.964	13.080	0.27008	2.55826	5 X
K08E90W	16.9	0.15	K161D	237.646	105.412	98.842	12.657	0.27350	2.76693	5 X
K08EB8N	18.0	0.15	K161D	318.524	347.760	161.929	15.265	0.21132	2.59825	3 X
K08EF1B	17.7	0.15	K161D	287.076	47.381	188.095	13.418	0.13996	2.56222	6 X
K08EF7F	17.7	0.15	K161D	3.324	284.046	194.389	11.463	0.13307	2.61017	6 X
K08EG4Q	16.7	0.15	K161D	261.164	47.434	137.469	10.000	0.21064	2.71930	4 X
K08F19L	17.3	0.15	K161D	306.889	148.970	6.486	4.277	0.15269	2.65554	5 X
K08F23M	16.0	0.15	K161D	88.425	242.709	37.773	15.650	0.13084	3.08831	4 X
K08F59L	17.3	0.15	K161D	217.685	90.190	183.290	13.342	0.16400	2.71006	7 X
K08F70Z	17.2	0.15	K161D	315.094	303.878	177.506	9.261	0.10907	2.75393	4 X
K08FB5X	17.4	0.15	K161D	132.712	259.993	50.580	5.091	0.06013	2.78220	6 X
K08FC4R	17.3	0.15	K161D	299.299	342.511	160.901	9.952	0.14617	2.75689	7 X

K08G05S	17.5	0.15	K161D	25.751	307.361	169.225	15.740	0.12050	2.53281	4 X
K08G63G	17.0	0.15	K161D	345.467	38.936	69.164	4.123	0.04081	2.72326	7 X
K08GD7S	17.3	0.15	K161D	316.509	332.107	201.445	11.367	0.12908	2.66173	6 X
K08H06S	17.3	0.15	K161D	277.128	14.670	207.237	11.018	0.14928	2.63957	6 X
K08H29Z	16.0	0.15	K161D	90.116	209.153	76.425	12.732	0.13342	3.16811	4 X
K08J02M	17.9	0.15	K161D	328.805	353.480	195.507	14.474	0.17292	2.60380	3 X
K08J10S	16.4	0.15	K161D	109.403	247.592	62.604	11.293	0.27574	2.99482	6 X
K08J23V	18.6	0.15	K161D	97.999	210.926	106.995	1.994	0.20800	2.14356	3 X
K08K18N	17.1	0.15	K161D	312.676	8.145	174.726	14.091	0.18168	2.66131	4 X
K08K43F	16.5	0.15	K161D	257.870	355.874	282.873	11.865	0.17434	2.72057	7 X
K08L08T	16.1	0.15	K161D	216.206	44.076	269.772	12.058	0.18305	2.77136	5 X
K08M03L	16.4	0.15	K161D	73.666	62.514	301.813	8.361	0.08701	3.15998	5 X
K08O11Q	17.6	0.15	K161D	35.582	204.139	149.869	4.982	0.26025	2.28314	5 X
K08Q08F	18.3	0.15	K161D	91.154	355.931	339.374	6.448	0.21044	2.20420	3 X
K08Q17T	18.3	0.15	K161D	53.639	170.048	161.810	4.295	0.22131	2.28122	4 X
K08Q18T	17.9	0.15	K161D	89.414	152.601	169.620	7.976	0.18007	2.23877	7 X
K08R11M	17.8	0.15	K161D	13.940	215.221	139.714	3.100	0.21387	2.34819	3 X
K08R86S	16.9	0.15	K161D	208.795	71.077	226.825	9.780	0.08922	2.99580	5 X
K08RD7W	16.2	0.15	K161D	49.532	240.312	198.453	15.663	0.23129	3.19599	5 X
K08S07Z	17.5	0.15	K161D	45.353	121.243	251.457	3.286	0.19161	2.25189	5 X
K08S22Z	17.1	0.15	K161D	101.677	195.480	205.916	9.057	0.10017	3.06948	5 X
K08S55Y	16.2	0.15	K161D	97.811	202.908	199.027	9.716	0.13362	3.13866	6 X
K08S70H	18.7	0.15	K161D	43.304	334.693	43.254	3.104	0.23968	2.27195	3 X
K08SF6Y	17.8	0.15	K161D	47.963	76.001	313.423	2.828	0.17204	2.22856	7 X
K08S18B	16.7	0.15	K161D	196.731	97.357	224.419	6.758	0.03692	3.02270	6 X
K08S19Y	18.1	0.15	K161D	98.084	308.164	0.421	3.661	0.25349	2.25473	4 X
K08SJ0P	18.8	0.15	K161D	6.914	163.986	267.401	2.513	0.09893	2.24248	5 X
K08SM0A	16.4	0.15	K161D	160.193	140.898	198.513	11.010	0.14798	3.03110	5 X
K08SP8A	16.7	0.15	K161D	92.548	212.115	208.044	10.337	0.06124	3.08538	4 X
K08SQ3U	16.5	0.15	K161D	97.617	210.644	201.464	13.411	0.04238	3.12469	5 X
K08SR3H	18.2	0.15	K161D	17.771	305.129	74.339	3.664	0.18423	2.35669	4 X
K08ST7N	17.7	0.15	K161D	55.835	201.747	126.808	3.223	0.17690	2.33560	5 X
K08SU0J	18.0	0.15	K161D	82.711	43.309	289.964	3.231	0.19239	2.24689	4 X
K08T12L	18.2	0.15	K161D	98.255	42.051	275.386	2.420	0.14472	2.22544	4 X
K08T40G	16.4	0.15	K161D	69.713	162.927	266.959	8.145	0.12368	3.14350	4 X
K08T46D	17.8	0.15	K161D	107.715	253.924	55.638	6.886	0.20724	2.25966	4 X
K08T46S	18.6	0.15	K161D	342.251	49.497	60.335	6.046	0.24069	2.29063	3 X
K08T75A	16.3	0.15	K161D	49.785	241.492	215.578	8.066	0.06126	3.16540	5 X
K08T86H	16.4	0.15	K161D	37.968	265.189	196.100	16.967	0.10401	3.12505	4 X
K08TD5Y	16.6	0.15	K161D	72.028	187.488	239.425	4.012	0.14187	3.19323	5 X
K08TD6E	16.3	0.15	K161D	42.810	253.415	214.619	11.280	0.09712	3.14502	4 X
K08TF0Y	18.2	0.15	K161D	55.631	310.731	51.047	3.120	0.20949	2.26240	3 X
K08TG4Q	16.0	0.15	K161D	88.201	230.573	192.190	9.715	0.06098	3.13561	7 X
K08TG4S	16.2	0.15	K161D	61.836	298.512	78.386	6.707	0.12265	3.44871	3 X
K08TG8C	18.3	0.15	K161D	137.682	279.731	17.432	4.394	0.15942	2.23019	4 X
K08TH5O	16.4	0.15	K161D	156.614	127.450	227.505	11.369	0.08567	3.03835	5 X
K08TH9M	17.9	0.15	K161D	44.823	267.896	57.149	14.576	0.32641	2.32677	5 X
K08TI4U	16.4	0.15	K161D	153.506	169.932	187.784	9.240	0.09152	3.08227	6 X
K08TI7Z	15.9	0.15	K161D	149.705	105.228	222.728	11.533	0.02469	3.20437	6 X
K08U05R	18.5	0.15	K161D	0.294	269.554	138.744	3.783	0.22233	2.33603	3 X
K08U13X	16.4	0.15	K161D	61.969	222.013	211.689	11.408	0.12519	3.15038	5 X
K08U15K	16.8	0.15	K161D	60.487	216.377	211.177	9.304	0.13400	3.17358	3 X
K08U28A	18.0	0.15	K161D	69.438	315.173	51.422	5.594	0.14715	2.25990	4 X
K08U37S	16.0	0.15	K161D	16.353	254.579	243.387	8.353	0.04534	3.17236	6 X
K08U75N	18.1	0.15	K161D	86.929	309.550	36.026	7.508	0.15847	2.27970	6 X
K08UA9R	17.8	0.15	K161D	207.168	348.541	254.329	6.763	0.07148	2.23786	6 X
K08UC2M	15.9	0.15	K161D	12.466	240.256	264.324	10.264	0.05998	3.17084	6 X
K08UD0U	16.6	0.15	K161D	349.464	292.428	229.777	9.022	0.07839	3.16745	3 X

K08UG1Z	16.3	0.15	K161D	247.504	1.189	242.317	9.186	0.04052	3.18167	5 X
K08UG6Y	18.3	0.15	K161D	53.882	323.412	50.287	7.269	0.13080	2.28358	3 X
K08UG8X	16.4	0.15	K161D	137.564	164.238	210.748	12.522	0.11440	3.10509	5 X
K08UH4U	15.9	0.15	K161D	67.257	173.126	261.546	9.056	0.12744	3.15740	5 X
K08UH1W	16.4	0.15	K161D	83.795	220.433	200.457	9.429	0.07323	3.15192	5 X
K08UJ8O	17.7	0.15	K161D	44.749	287.856	42.971	6.243	0.25200	2.34572	3 X
K08UK8Z	18.4	0.15	K161D	89.647	64.246	258.144	1.385	0.20968	2.27854	4 X
K08UL0O	16.1	0.15	K161D	67.568	209.082	226.272	8.558	0.04374	3.16797	4 X
K08UM2E	17.5	0.15	K161D	41.975	352.496	20.333	7.051	0.16484	2.31584	3 X
K08UN2O	16.4	0.15	K161D	84.356	197.409	231.071	7.828	0.06109	3.11927	5 X
K08UP2Q	18.9	0.15	K161D	53.136	314.146	41.173	6.832	0.25432	2.29660	3 X
K08UP6F	19.3	0.15	K161D	12.909	351.610	72.877	2.177	0.15897	2.29212	3 X
K08UP8T	18.9	0.15	K161D	13.769	167.269	253.919	1.832	0.14411	2.30441	3 X
K08US4C	18.5	0.15	K161D	32.044	292.058	99.983	1.881	0.15642	2.29405	5 X
K08UV0A	15.6	0.15	K161D	77.289	140.209	291.840	8.692	0.07515	3.14467	8 X
K08UW8U	16.2	0.15	K161D	200.834	61.008	249.245	11.622	0.09350	3.10894	5 X
K08UW9M	19.2	0.15	K161D	33.548	81.532	305.264	0.827	0.24534	2.29554	3 X
K08UZ1A	18.0	0.15	K161D	45.969	261.996	76.454	3.374	0.18874	2.38016	3 X
K08V04Q	19.4	0.15	K161D	340.304	232.635	256.378	11.582	0.33197	1.75000	3 X
K08V29N	16.1	0.15	K161D	17.381	218.463	280.820	7.045	0.03603	3.13588	7 X
K08V29Y	16.2	0.15	K161D	344.467	261.636	269.515	8.051	0.04800	3.16157	5 X
K08V30H	17.9	0.15	K161D	6.340	191.347	254.593	5.725	0.06540	2.26633	4 X
K08V38A	17.5	0.15	K161D	333.608	343.784	85.999	6.680	0.09382	2.36899	7 X
K08V52K	16.3	0.15	K161D	69.044	189.655	246.664	9.377	0.09575	3.18194	3 X
K08V66Y	17.4	0.15	K161D	0.153	15.356	63.398	6.904	0.07337	2.31838	2 X
K08W99V	15.9	0.15	K161D	324.218	327.317	217.679	9.503	0.04450	3.18507	4 X
K08X35J	17.6	0.15	K161D	47.517	286.766	51.035	6.963	0.14520	2.40287	7 X
K08Y04Z	18.1	0.15	K161D	18.087	113.026	301.906	0.840	0.17525	2.34814	5 X
K08Y18U	18.0	0.15	K161D	3.114	339.936	98.313	3.211	0.19048	2.36109	3 X
K08Y35Y	17.6	0.15	K161D	20.992	332.971	90.572	3.114	0.20359	2.34547	4 X
K08Y52P	18.7	0.15	K161D	7.186	38.039	30.150	1.962	0.23042	2.36395	5 X
K08YA7E	18.3	0.15	K161D	350.632	338.054	110.426	2.161	0.15386	2.37799	5 X
K08YD7E	19.2	0.15	K161D	348.845	326.656	139.375	1.850	0.13053	2.33653	2 X
K08YE0V	17.5	0.15	K161D	321.905	282.483	276.616	6.504	0.09812	2.24468	4 X
K08YF7Z	17.8	0.15	K161D	261.265	191.745	359.507	2.405	0.13527	2.41493	5 X
K08YG4J	17.9	0.15	K161D	319.729	215.017	272.538	2.332	0.12140	2.36555	6 X
K08YH0M	18.1	0.15	K161D	254.263	263.071	288.684	1.236	0.11172	2.39931	4 X
K09A06N	18.3	0.15	K161D	307.445	59.617	78.449	3.410	0.14125	2.37604	5 X
K09A13G	16.1	0.15	K161D	340.894	284.502	145.736	4.105	0.26581	3.98049	3 X
K09A37N	17.8	0.15	K161D	54.319	169.408	188.714	0.958	0.19301	2.40571	8 X
K09A44K	18.6	0.15	K161D	345.406	294.262	162.193	1.419	0.14326	2.38139	5 X
K09A48G	18.7	0.15	K161D	356.925	269.677	170.392	1.102	0.14766	2.37018	4 X
K09B33D	18.4	0.15	K161D	357.864	101.718	338.957	1.658	0.18183	2.37879	4 X
K09B49E	18.4	0.15	K161D	305.572	190.801	309.811	3.367	0.13804	2.40015	4 X
K09B50Q	18.1	0.15	K161D	312.713	176.809	336.079	2.709	0.17192	2.36675	6 X
K09B55N	18.4	0.15	K161D	349.183	21.430	75.768	1.758	0.17741	2.37451	5 X
K09B57N	17.9	0.15	K161D	17.481	55.018	12.156	2.341	0.18342	2.35010	6 X
K09B59N	17.7	0.15	K161D	337.934	325.137	104.991	4.427	0.14818	2.43120	3 X
K09B74J	16.9	0.15	K161D	3.987	176.430	256.218	9.829	0.17313	2.37176	6 X
K09B89Q	17.8	0.15	K161D	290.406	15.711	140.074	1.925	0.11657	2.41193	3 X
K09B95Z	17.6	0.15	K161D	356.158	156.102	301.156	4.431	0.18839	2.35129	4 X
K09BA8Z	17.6	0.15	K161D	27.843	354.368	56.180	3.481	0.17927	2.40349	5 X
K09BB7P	17.9	0.15	K161D	304.435	82.564	73.457	4.229	0.06849	2.38949	6 X
K09BC2P	17.8	0.15	K161D	350.212	145.618	307.820	2.028	0.13661	2.40291	5 X
K09BD8H	18.4	0.15	K161D	338.189	91.766	13.890	1.314	0.14664	2.39316	4 X
K09BF4Y	18.1	0.15	K161D	242.460	173.737	51.148	3.036	0.16406	2.39553	5 X
K09BI9B	17.7	0.15	K161D	349.706	44.273	62.435	6.107	0.19277	2.34972	5 X
K09C30X	17.7	0.15	K161D	254.840	179.153	15.529	2.864	0.13697	2.45735	6 X

K09F52Q	18.1	0.15	K161D	298.978	156.654	355.674	0.981	0.12636	2.43229	4 X
K09G03Z	17.0	0.15	K161D	261.920	150.144	52.883	9.689	0.18848	2.52474	4 X
K09H15G	17.4	0.15	K161D	160.174	215.382	66.513	6.665	0.10247	2.55161	4 X
K09H49E	16.6	0.15	K161D	103.864	198.657	104.922	15.732	0.17597	2.78395	5 X
K09H57O	17.5	0.15	K161D	302.535	12.982	205.789	8.431	0.16080	2.36232	4 X
K09H64P	13.4	0.15	K161D	156.055	214.765	54.387	14.746	0.03868	5.19979	6 X
K09HA2L	17.2	0.15	K161D	199.348	198.976	56.050	13.005	0.14646	2.57370	6 X
K09HA2P	16.7	0.15	K161D	118.181	239.565	66.633	14.352	0.08055	2.68644	5 X
K09K05S	13.0	0.15	K161D	91.820	279.363	67.696	28.183	0.02231	5.23240	5 X
K09O05M	15.3	0.15	K161D	57.093	123.571	184.030	23.915	0.17599	3.20365	4 X
K09O09H	16.0	0.15	K161D	40.656	171.040	192.409	12.198	0.28542	3.11775	4 X
K09O09K	16.0	0.15	K161D	66.027	58.060	286.405	10.036	0.31474	3.05651	5 X
K09P07T	18.1	0.15	K161D	225.433	129.619	155.124	22.851	0.05573	1.87925	4 X
K09P21L	17.0	0.15	K161D	106.306	176.397	208.787	13.774	0.21108	2.76354	4 X
K09Q02E	18.1	0.15	K161D	118.005	84.106	295.940	18.710	0.13606	1.90631	3 X
K09Q03S	16.7	0.15	K161D	62.991	122.578	171.737	16.432	0.33008	3.20024	3 X
K09Q20E	17.8	0.15	K161D	62.021	284.177	150.318	22.420	0.08762	1.91035	5 X
K09Q30M	16.6	0.15	K161D	179.631	60.325	260.479	13.686	0.12830	2.67943	3 X
K09Q41K	16.7	0.15	K161D	58.819	207.934	148.892	12.196	0.14386	3.05610	5 X
K09Q48E	15.9	0.15	K161D	62.620	194.533	156.873	12.519	0.15697	3.12590	6 X
K09Q48X	16.1	0.15	K161D	66.228	282.235	59.235	1.453	0.18087	3.09843	4 X
K09Q63P	16.6	0.15	K161D	55.442	86.097	265.184	8.932	0.24911	3.08299	3 X
K09R15H	16.7	0.15	K161D	75.542	147.347	190.712	10.645	0.14521	3.13991	4 X
K09R52L	17.4	0.15	K161D	30.503	197.334	188.291	14.179	0.38407	3.21269	2 X
K09R53Z	17.1	0.15	K161D	78.688	191.544	143.342	1.645	0.17848	3.16407	2 X
K09R73W	17.0	0.15	K161D	65.505	199.766	200.385	10.119	0.08473	2.97017	3 X
K09S05W	17.1	0.15	K161D	53.960	171.388	184.243	10.221	0.21845	3.15658	2 X
K09S13F	16.7	0.15	K161D	49.079	37.480	346.447	5.849	0.16379	3.04771	6 X
K09S22Z	15.6	0.15	K161D	345.124	219.996	181.872	23.938	0.05304	3.16181	3 X
K09S27K	17.0	0.15	K161D	60.711	343.284	12.245	3.777	0.14768	3.12801	3 X
K09S56M	16.6	0.15	K161D	70.118	39.160	326.043	6.712	0.13927	3.07962	5 X
K09S56V	16.0	0.15	K161D	181.969	355.407	253.610	7.304	0.03768	3.10998	5 X
K09S59W	17.0	0.15	K161D	29.886	216.439	221.109	11.327	0.16656	3.00944	4 X
K09S78N	16.3	0.15	K161D	350.042	200.290	268.773	5.051	0.23514	3.05712	6 X
K09S83T	16.5	0.15	K161D	78.879	301.565	25.144	1.871	0.23333	3.07226	5 X
K09S99D	16.2	0.15	K161D	16.878	217.732	190.117	9.615	0.09371	3.12709	6 X
K09SA0K	16.0	0.15	K161D	32.973	130.324	260.382	11.311	0.03184	3.05956	5 X
K09SB4N	16.6	0.15	K161D	84.492	136.132	195.780	18.069	0.29282	3.05329	5 X
K09SC3D	16.5	0.15	K161D	299.503	11.074	218.956	11.363	0.13884	2.65132	5 X
K09SH3R	16.6	0.15	K161D	131.244	109.810	254.169	11.879	0.21803	2.79726	4 X
K09S18S	16.1	0.15	K161D	344.879	29.691	53.323	12.083	0.08437	3.20574	5 X
K09SJ2T	17.3	0.15	K161D	109.323	10.948	311.371	3.230	0.19782	3.00814	4 X
K09SK8J	16.9	0.15	K161D	25.150	183.556	212.144	4.256	0.18252	3.18536	5 X
K09SL3E	16.7	0.15	K161D	79.641	183.521	195.265	8.578	0.19071	2.99227	4 X
K09SL8C	17.0	0.15	K161D	18.201	6.077	16.176	9.437	0.35968	3.27038	3 X
K09SM5Q	15.8	0.15	K161D	34.626	145.297	249.064	21.293	0.22084	3.11195	4 X
K09SO9S	16.4	0.15	K161D	60.147	358.057	356.905	4.442	0.15060	3.17910	5 X
K09SQ0C	16.4	0.15	K161D	31.220	219.021	165.823	11.434	0.17037	3.13508	3 X
K09SS3B	16.4	0.15	K161D	28.600	11.774	41.360	10.977	0.08279	3.07256	5 X
K09SU8B	17.2	0.15	K161D	31.423	218.542	187.544	19.825	0.23055	3.08073	3 X
K09SX2C	15.9	0.15	K161D	47.260	89.682	266.525	11.089	0.21401	3.13781	3 X
K09SY0L	16.6	0.15	K161D	50.093	182.880	188.889	14.188	0.05496	3.14143	3 X
K09T03Z	17.0	0.15	K161D	59.576	130.805	240.779	8.328	0.11075	3.08549	2 X
K09T15H	16.5	0.15	K161D	19.066	164.635	260.086	9.976	0.06600	3.13932	4 X
K09U01S	15.1	0.15	K161D	56.759	143.599	250.117	17.486	0.23357	3.11245	4 X
K09U14M	16.6	0.15	K161D	84.948	47.991	287.250	7.456	0.24484	3.07957	3 X
K09U16Y	15.1	0.15	K161D	34.015	122.268	249.827	22.149	0.18375	3.21001	3 X
K09U50L	17.9	0.15	K161D	43.694	227.079	151.693	2.121	0.18386	3.18155	2 X

K09U82R	16.9	0.15	K161D	27.687	242.377	218.264	11.806	0.16196	3.02846	3 X
K09U98V	16.6	0.15	K161D	77.255	179.933	208.865	9.022	0.14808	3.02003	3 X
K09UB0C	16.5	0.15	K161D	123.527	109.257	234.130	10.306	0.23067	2.96895	4 X
K09UB8G	17.2	0.15	K161D	49.979	168.169	200.961	11.776	0.13052	3.15899	3 X
K09UB9T	17.5	0.15	K161D	42.477	301.933	74.029	0.698	0.17316	3.17023	5 X
K09UF0D	16.3	0.15	K161D	335.085	203.741	272.052	11.546	0.08122	3.18537	4 X
K09UF0O	16.6	0.15	K161D	114.793	262.765	46.190	10.377	0.22365	3.13472	5 X
K09UF1L	16.4	0.15	K161D	48.140	95.361	275.886	14.682	0.25959	3.16272	5 X
K09V00N	15.8	0.15	K161D	73.588	51.913	309.526	11.035	0.14655	3.12813	6 X
K09V05K	15.8	0.15	K161D	65.893	74.139	275.350	15.176	0.25400	3.08391	6 X
K09V17H	16.5	0.15	K161D	40.046	188.949	248.645	12.532	0.25506	3.07229	3 X
K09V22G	16.9	0.15	K161D	45.888	219.335	226.863	9.079	0.15032	3.00806	3 X
K09V33O	17.1	0.15	K161D	25.636	137.920	282.407	7.804	0.06480	3.16958	3 X
K09V43A	15.5	0.15	K161D	123.447	99.173	247.200	10.774	0.17947	3.00053	8 X
K09V46D	16.5	0.15	K161D	358.759	244.560	237.242	21.387	0.21924	3.10767	2 X
K09V78L	17.0	0.15	K161D	69.323	181.092	201.390	8.493	0.25661	3.08292	4 X
K09V81V	16.8	0.15	K161D	67.605	182.345	240.669	10.388	0.14409	2.97891	3 X
K09W29G	17.2	0.15	K161D	69.742	301.141	55.472	8.397	0.19925	3.10236	3 X
K09W44U	16.8	0.15	K161D	36.947	201.994	236.086	15.664	0.07637	3.06124	3 X
K09W61S	16.0	0.15	K161D	39.491	330.904	76.739	13.721	0.04985	3.18703	5 X
K09W82H	15.8	0.15	K161D	37.175	127.804	280.478	9.384	0.02557	3.19731	6 X
K09WC7K	16.5	0.15	K161D	352.263	185.700	248.705	9.141	0.10465	3.39607	2 X
K09WE2C	15.8	0.15	K161D	33.633	143.297	267.181	15.193	0.08881	3.19807	3 X
K09WH3H	16.0	0.15	K161D	348.543	260.734	237.952	8.260	0.05523	3.09864	3 X
K09WI4D	16.3	0.15	K161D	224.026	53.117	236.620	8.697	0.00839	2.97366	8 X
K09WI7H	16.0	0.15	K161D	127.012	268.994	48.903	11.449	0.06640	3.14828	5 X
K09WJ4D	16.9	0.15	K161D	0.622	256.351	248.966	8.144	0.13438	3.02028	3 X
K09X23V	16.2	0.15	K161D	80.378	122.987	270.547	15.265	0.34012	3.04384	4 X
K09Y06Y	16.0	0.15	K161D	29.855	228.230	238.996	12.904	0.09358	2.89327	7 X
K09Y07B	16.3	0.15	K161D	37.351	196.705	254.252	10.990	0.24209	3.10877	5 X
K09Y09Y	16.0	0.15	K161D	288.267	283.479	306.226	14.944	0.02981	3.09516	6 X
K09Y16S	15.4	0.15	K161D	86.057	171.276	248.879	9.388	0.09890	2.99514	3 X
K09Y17O	16.7	0.15	K161D	25.480	192.520	282.185	9.306	0.18894	3.12960	3 X
K10A10B	15.5	0.15	K161D	5.633	202.177	297.248	24.681	0.06347	3.17132	4 X
K10A73S	15.6	0.15	K161D	68.786	128.826	270.463	20.559	0.12891	3.14331	5 X
K10B25V	15.4	0.15	K161D	356.140	9.787	64.641	28.407	0.13303	3.21271	6 X
K10CC4P	15.4	0.15	K161D	97.389	215.957	155.857	15.505	0.08690	3.43414	4 X
K10D36K	15.8	0.15	K161D	274.949	309.816	308.135	21.492	0.13595	3.11803	4 X
K10E11Y	17.6	0.15	K161D	279.755	269.249	251.919	6.220	0.03241	2.20244	4 X
K10EA1J	17.4	0.15	K161D	40.051	184.369	167.113	7.377	0.13968	2.33360	6 X
K10F87E	17.9	0.15	K161D	155.557	74.926	198.041	3.010	0.14449	2.36526	5 X
K10G97G	17.3	0.15	K161D	141.794	232.023	64.421	13.492	0.21210	2.40376	5 X
K10H61S	16.7	0.15	K161D	14.820	231.849	265.702	5.452	0.13349	3.17391	4 X
K10H90S	17.2	0.15	K161D	84.328	59.641	280.698	9.482	0.24115	2.63424	5 X
K10HA3H	18.3	0.15	K161D	205.332	207.153	44.263	7.697	0.14862	2.30357	4 X
K10J01H	16.8	0.15	K161D	102.499	154.721	183.464	13.565	0.44642	2.61136	4 X
K10J31N	17.5	0.15	K161D	223.207	160.191	56.414	24.203	0.09853	2.32029	4 X
K10J46F	17.8	0.15	K161D	215.931	175.366	68.005	10.008	0.20539	2.30884	5 X
K10J71R	17.7	0.15	K161D	212.285	173.516	74.321	5.568	0.19403	2.28445	7 X
K10K78Q	16.9	0.15	K161D	36.369	199.488	195.204	18.168	0.24652	2.71077	5 X
K10L15V	16.0	0.15	K161D	226.376	325.264	272.070	23.968	0.19630	2.30080	6 X
K10L61M	16.6	0.15	K161D	68.526	148.570	162.953	12.727	0.16958	2.62735	7 X
K10L74N	17.2	0.15	K161D	112.532	332.387	348.011	7.193	0.18745	2.62832	4 X
K10L96Y	17.6	0.15	K161D	139.330	184.711	174.010	16.204	0.14026	2.44284	4 X
K10M08A	16.8	0.15	K161D	42.532	188.618	178.843	8.313	0.24115	2.80852	5 X
K10MA6S	17.3	0.15	K161D	7.578	117.664	321.994	6.067	0.20922	2.75409	6 X
K10O60F	16.8	0.15	K161D	114.557	14.664	298.189	8.524	0.20472	2.72275	6 X
K10O65J	16.4	0.15	K161D	323.683	271.301	276.516	11.782	0.07835	2.48980	7 X

K10OB1L	16.0	0.15	K161D	20.161	331.397	31.361	19.672	0.11849	3.03941	3 X
K10OC4D	16.0	0.15	K161D	346.125	10.676	34.816	16.194	0.14429	3.05409	3 X
K10P61E	16.7	0.15	K161D	67.617	30.601	328.408	6.602	0.18313	2.68521	7 X
K10P76U	16.6	0.15	K161D	76.481	185.244	132.605	12.048	0.32273	2.73447	6 X
K10R05S	16.9	0.15	K161D	154.521	75.178	192.865	12.755	0.18350	2.55453	5 X
K10R17W	17.3	0.15	K161D	113.329	354.947	316.763	5.464	0.29433	2.61839	5 X
K10R22H	16.9	0.15	K161D	53.718	83.842	292.130	9.825	0.20006	2.68046	5 X
K10R44A	16.8	0.15	K161D	93.465	270.755	50.547	4.164	0.09096	2.76705	8 X
K10R44D	17.2	0.15	K161D	18.848	15.540	31.658	5.571	0.15485	2.79556	6 X
K10R74K	16.4	0.15	K161D	74.698	187.707	145.523	10.328	0.15981	2.76844	7 X
K10R80B	17.0	0.15	K161D	113.213	335.405	331.621	2.988	0.27909	2.64641	6 X
K10RA0C	17.4	0.15	K161D	152.585	318.078	328.139	5.160	0.10753	2.65766	3 X
K10RB2F	17.0	0.15	K161D	88.916	295.445	24.373	5.156	0.16098	2.77229	5 X
K10RB5Z	17.0	0.15	K161D	89.296	273.917	30.294	9.397	0.29073	2.79478	5 X
K10RD5X	17.3	0.15	K161D	148.295	142.115	185.344	10.227	0.10043	2.55438	6 X
K10RE0R	16.9	0.15	K161D	41.817	60.986	332.180	5.182	0.14833	2.69470	6 X
K10RE2L	16.9	0.15	K161D	359.097	255.612	196.028	21.723	0.05087	2.67205	5 X
K10RH7S	17.1	0.15	K161D	74.229	324.960	44.916	6.876	0.04086	2.70580	5 X
K10S20B	17.6	0.15	K161D	93.747	96.305	231.294	2.540	0.09185	2.75449	3 X
K10S33E	17.3	0.15	K161D	250.616	121.186	60.997	5.917	0.05644	2.71444	6 X
K10T04F	17.1	0.15	K161D	339.318	206.227	251.723	3.835	0.05061	2.75098	6 X
K10T05N	17.3	0.15	K161D	61.748	238.898	176.985	13.277	0.24433	2.61566	6 X
K10T12D	16.8	0.15	K161D	21.607	221.809	217.959	12.680	0.22668	2.69192	4 X
K10T30X	17.5	0.15	K161D	64.741	3.930	353.163	2.935	0.10851	2.77322	5 X
K10T31G	17.7	0.15	K161D	40.304	33.879	5.633	5.088	0.10629	2.73207	5 X
K10T43Q	17.5	0.15	K161D	48.319	31.259	8.623	6.385	0.05592	2.69778	6 X
K10T49A	16.8	0.15	K161D	84.215	171.382	196.465	21.916	0.01248	2.68985	7 X
K10T67A	17.1	0.15	K161D	65.001	1.444	353.538	3.551	0.09297	2.75385	4 X
K10T67C	16.4	0.15	K161D	72.120	117.514	193.772	11.985	0.07948	2.90304	3 X
K10T70A	17.8	0.15	K161D	60.725	135.205	230.795	4.206	0.05878	2.75267	7 X
K10T70E	17.9	0.15	K161D	264.798	43.770	211.863	6.066	0.11190	2.37029	6 X
K10T70W	17.6	0.15	K161D	23.799	192.805	212.726	2.983	0.09420	2.77596	6 X
K10T74B	17.8	0.15	K161D	351.887	292.215	199.606	8.263	0.08864	2.58594	5 X
K10T85R	17.5	0.15	K161D	39.256	204.501	181.616	13.124	0.11038	2.76702	2 X
K10TC3V	17.0	0.15	K161D	331.037	69.734	38.028	7.559	0.12911	2.79935	5 X
K10TC5A	16.5	0.15	K161D	67.215	168.987	131.354	5.614	0.19179	2.96629	5 X
K10TC6D	17.0	0.15	K161D	121.442	259.492	40.339	4.998	0.05591	2.77937	4 X
K10TD6T	17.0	0.15	K161D	69.159	307.661	46.276	8.416	0.24077	2.74595	3 X
K10TF0B	16.3	0.15	K161D	97.305	151.254	227.586	13.153	0.29585	2.64497	5 X
K10TF3R	16.9	0.15	K161D	144.460	345.494	314.939	7.543	0.10461	2.62756	4 X
K10TF5J	17.7	0.15	K161D	30.160	226.320	185.250	13.724	0.17790	2.74712	2 X
K10TG2R	15.8	0.15	K161D	357.645	177.245	267.908	21.137	0.03569	2.66738	3 W
K10TG5P	17.3	0.15	K161D	82.777	320.081	27.100	8.586	0.15513	2.75949	4 X
K10TG6B	16.4	0.15	K161D	74.747	163.387	231.847	13.943	0.26135	2.63982	4 X
K10TH5W	16.2	0.15	K161D	0.486	322.156	71.993	12.917	0.15183	2.97829	3 X
K10U14R	16.3	0.15	K161D	92.790	167.988	235.921	11.108	0.17560	2.60467	6 X
K10U15V	16.5	0.15	K161D	61.840	311.767	65.906	6.726	0.04816	2.78058	2 X
K10U29R	16.7	0.15	K161D	305.971	249.992	256.483	12.123	0.15815	2.78569	2 X
K10U30G	17.4	0.15	K161D	16.898	133.369	280.977	4.662	0.08088	2.85614	5 X
K10U37F	16.2	0.15	K161D	17.224	147.944	253.749	13.007	0.17991	2.97656	2 X
K10U47S	16.9	0.15	K161D	83.933	81.729	262.464	2.990	0.06744	2.80881	5 X
K10U57W	17.2	0.15	K161D	24.709	221.533	247.359	13.281	0.14232	2.69255	3 X
K10U77R	16.9	0.15	K161D	121.394	27.787	291.183	7.078	0.09377	2.75023	4 X
K10U99S	17.4	0.15	K161D	80.582	152.717	244.853	11.751	0.28771	2.64806	4 X
K10V34E	16.3	0.15	K161D	27.279	297.950	58.221	22.427	0.21448	3.05121	3 X
K10V47D	17.0	0.15	K161D	5.323	198.269	248.730	8.509	0.18257	2.86525	5 X
K10V56L	17.2	0.15	K161D	347.181	33.663	59.373	15.754	0.11104	2.87629	2 X
K10V70U	16.7	0.15	K161D	322.338	52.487	46.220	18.304	0.30267	3.07433	4 X

K10V72X	16.5	0.15	K161D	61.902	299.569	56.776	12.115	0.13192	2.86577	6 X
K10V72Z	16.3	0.15	K161D	69.698	297.378	64.261	13.671	0.15579	2.79984	4 X
K10V88V	16.6	0.15	K161D	48.779	82.927	258.954	8.593	0.21280	3.02849	3 X
K10VA5L	16.8	0.15	K161D	67.554	306.228	70.946	7.406	0.04319	2.81489	5 X
K10VB6N	16.1	0.15	K161D	17.963	331.812	37.171	14.180	0.12729	3.09260	3 X
K10VB6Y	16.4	0.15	K161D	33.565	295.019	43.038	15.827	0.23304	3.10367	2 X
K10VD3R	16.6	0.15	K161D	68.457	294.278	66.852	15.848	0.16586	2.83703	4 X
K10VD8S	16.7	0.15	K161D	355.607	336.319	60.793	6.997	0.15580	3.08855	5 X
K10VE9X	17.0	0.15	K161D	90.523	188.436	215.695	10.995	0.16392	2.60909	4 X
K10VF2U	16.0	0.15	K161D	353.068	326.811	68.788	10.493	0.03825	3.14480	4 X
K10VG0C	16.6	0.15	K161D	358.663	308.944	95.929	8.835	0.24107	3.07241	3 X
K10VG8P	17.2	0.15	K161D	204.926	61.739	238.975	9.921	0.07781	2.56005	4 X
K10VH6E	17.4	0.15	K161D	82.890	133.858	256.212	12.535	0.28053	2.64987	4 X
K10VH9F	15.8	0.15	K161D	24.150	302.963	58.666	11.221	0.06950	3.13098	3 X
K10VJ8U	18.5	0.15	K161D	334.686	69.037	109.100	31.433	0.40711	1.86939	2 X
K10VK1A	16.5	0.15	K161D	61.453	144.139	276.042	12.636	0.24309	2.69368	3 X
K10VK1O	17.8	0.15	K161D	311.284	65.242	89.539	26.988	0.10822	1.87906	3 X
K10VK6Z	16.7	0.15	K161D	49.206	118.027	243.718	14.222	0.16850	2.85058	4 X
K10VK7A	17.1	0.15	K161D	92.824	29.915	304.237	3.649	0.16669	2.75003	4 X
K10VL4J	16.1	0.15	K161D	39.859	117.633	262.637	9.612	0.07347	2.90268	4 X
K10VL8E	17.1	0.15	K161D	144.791	34.140	252.688	12.892	0.23957	2.66684	2 X
K10W22O	17.2	0.15	K161D	86.065	70.166	260.540	3.154	0.12557	2.94714	5 X
K10W41S	16.7	0.15	K161D	15.775	323.673	49.804	12.014	0.13333	3.11819	2 X
K10W52P	16.2	0.15	K161D	154.915	208.534	61.559	10.563	0.04844	2.98395	4 X
K10W56L	17.0	0.15	K161D	56.878	169.291	272.418	7.938	0.15910	2.62664	5 X
K10W56N	18.3	0.15	K161D	34.911	138.843	257.085	17.394	0.11280	1.85537	3 X
K10W64F	17.2	0.15	K161D	68.616	179.964	246.964	11.026	0.15394	2.66456	4 X
K10W67X	16.9	0.15	K161D	121.843	116.121	261.912	12.173	0.11601	2.60605	5 X
K10W69Z	17.2	0.15	K161D	72.310	158.789	256.382	12.225	0.16080	2.69321	4 X
K10X12G	16.1	0.15	K161D	60.798	274.439	105.410	9.200	0.09805	3.01569	4 W
K10X15C	21.4	0.15	K161D	216.430	157.634	94.486	8.384	0.41659	0.73509	3 X
K10X42Y	16.8	0.15	K161D	108.700	174.425	196.789	14.338	0.26487	2.62503	7 X
K10X67T	15.8	0.15	K161D	251.795	90.812	86.126	18.413	0.09552	3.06259	6 X
K10X69H	17.0	0.15	K161D	125.547	167.650	215.029	6.011	0.09168	2.58849	6 X
K10X78N	16.8	0.15	K161D	5.773	321.680	102.555	13.312	0.13745	2.98418	4 X
K10X85K	16.4	0.15	K161D	292.365	261.746	238.334	9.826	0.05513	3.02207	3 X
K10X86M	17.0	0.15	K161D	40.353	115.310	258.171	12.913	0.25701	2.96688	3 X
K11A01K	16.3	0.15	K161D	172.419	41.199	299.435	13.462	0.11416	2.69324	7 X
K11A02K	17.5	0.15	K161D	356.690	74.660	7.343	3.051	0.26043	3.02543	4 X
K11A07E	16.7	0.15	K161D	335.376	194.998	276.984	7.042	0.05571	3.04486	5 X
K11A20R	16.7	0.15	K161D	130.678	70.596	302.540	24.148	0.16307	2.71825	6 X
K11A32R	17.4	0.15	K161D	22.471	44.394	18.089	3.019	0.14809	3.02371	5 X
K11A50H	17.0	0.15	K161D	243.289	118.901	85.277	6.535	0.13333	3.17949	2 X
K11A53P	15.8	0.15	K161D	281.275	65.808	115.160	26.336	0.19509	3.17082	3 X
K11A67B	16.7	0.15	K161D	16.421	292.938	115.851	13.434	0.10107	3.15462	4 X
K11A71P	17.1	0.15	K161D	27.225	337.123	82.659	11.491	0.06242	3.05725	2 X
K11B01Y	16.3	0.15	K161D	50.049	77.520	309.123	9.288	0.08539	3.09352	5 X
K11B02C	17.3	0.15	K161D	351.738	29.442	55.276	1.584	0.15837	3.10399	6 X
K11B05F	17.1	0.15	K161D	322.614	280.103	289.976	7.967	0.18745	2.75918	5 X
K11B13Q	16.9	0.15	K161D	24.075	350.254	71.280	6.335	0.12820	3.05757	4 X
K11B67D	16.8	0.15	K161D	341.724	322.303	156.373	13.847	0.27678	3.05172	3 X
K11B70O	17.5	0.15	K161D	334.958	216.049	260.333	6.837	0.14928	3.17417	2 X
K11BC1G	15.9	0.15	K161D	304.338	8.662	146.450	18.241	0.16321	3.15185	3 X
K11BC5T	16.4	0.15	K161D	96.370	29.375	313.518	8.890	0.10714	3.13574	6 X
K11BE5X	17.1	0.15	K161D	270.544	147.883	42.992	0.946	0.08323	3.11137	7 X
K11C08T	15.9	0.15	K161D	235.789	268.778	306.672	9.717	0.08700	3.21957	8 X
K11C16B	17.1	0.15	K161D	3.214	124.707	321.814	3.911	0.14416	3.13402	6 X
K11C18F	15.4	0.15	K161D	62.862	244.629	130.758	21.936	0.08794	3.20733	8 X

K11C35U	16.5	0.15	K161D	7.331	301.662	120.608	11.229	0.20121	3.15745	3 X
K11C41J	17.3	0.15	K161D	323.982	91.779	41.605	3.713	0.08918	3.13259	3 X
K11C43E	16.2	0.15	K161D	71.076	62.139	303.116	9.366	0.09062	3.21460	4 X
K11C83O	16.5	0.15	K161D	353.080	153.591	306.579	8.478	0.16225	3.14752	4 X
K11C91M	16.0	0.15	K161D	217.364	116.542	155.372	16.515	0.22369	3.14599	7 X
K11E23K	15.9	0.15	K161D	288.696	59.589	150.103	17.333	0.19122	3.14274	4 X
K11E84K	15.9	0.15	K161D	277.601	349.018	237.499	13.670	0.21082	3.05018	7 X
K11E86M	16.1	0.15	K161D	281.601	56.998	162.212	18.297	0.20697	3.18831	5 X
K11FC5E	16.8	0.15	K161D	334.406	301.665	233.780	8.915	0.06105	3.07371	4 X
K11FE7K	16.6	0.15	K161D	348.397	58.651	53.838	12.268	0.29941	3.14891	4 X
K11FF5V	15.6	0.15	K161D	212.058	115.496	190.002	10.858	0.03473	3.14788	8 X
K11G57S	16.6	0.15	K161D	338.462	1.119	181.201	11.348	0.08962	3.07165	7 X
K11G76L	16.5	0.15	K161D	270.317	82.209	175.176	15.036	0.13509	3.13096	7 X
K11H12D	17.9	0.15	K161D	97.878	199.317	105.328	10.098	0.24966	2.23567	2 X
K11H34O	17.4	0.15	K161D	324.968	320.749	225.050	16.856	0.30405	3.07559	2 X
K11H57E	17.1	0.15	K161D	309.663	338.101	193.038	18.695	0.33427	3.30964	3 X
K11H97E	16.4	0.15	K161D	319.614	14.210	197.670	14.056	0.17414	3.13758	4 X
K11L04H	15.8	0.15	K161D	194.470	95.106	223.124	14.612	0.12576	3.46310	6 X
K11L08N	16.7	0.15	K161D	343.648	4.298	174.455	15.591	0.20900	3.15835	5 X
K11L15V	18.4	0.15	K161D	310.452	282.564	249.862	19.403	0.08135	1.95507	4 X
K11N02N	17.7	0.15	K161D	237.028	350.245	290.980	13.508	0.07287	1.99671	5 X
K11O07X	18.8	0.15	K161D	175.981	180.092	84.848	1.636	0.15035	2.16232	2 X
K11O24Y	17.9	0.15	K161D	60.997	224.685	124.082	9.123	0.24209	2.35468	3 X
K11O29D	14.2	0.15	K161D	74.730	221.971	175.490	16.968	0.07950	5.21811	8 X
K11O39F	14.8	0.15	K161D	108.247	164.388	197.511	10.130	0.07508	5.17428	5 X
K11O41E	17.8	0.15	K161D	107.506	4.091	295.867	3.650	0.24663	2.28768	5 X
K11O56Q	18.2	0.15	K161D	75.060	3.165	346.362	3.508	0.21084	2.31254	4 X
K11Q00G	13.7	0.15	K161D	109.012	88.530	269.709	19.669	0.14891	5.18551	6 X
K11Q01Z	19.1	0.15	K161D	46.697	164.740	199.378	1.902	0.23191	2.41619	2 X
K11Q11S	16.6	0.15	K161D	103.145	94.453	221.791	23.221	0.31199	2.29239	3 X
K11Q29R	18.5	0.15	K161D	57.846	12.267	336.276	3.765	0.25414	2.38573	2 X
K11Q58O	17.3	0.15	K161D	7.752	209.410	181.536	6.760	0.10701	2.47321	8 X
K11Q88S	17.9	0.15	K161D	110.624	310.413	354.805	3.277	0.21289	2.33103	6 X
K11Q88T	18.3	0.15	K161D	35.051	20.644	4.341	0.932	0.19754	2.41683	3 X
K11Q98Y	17.1	0.15	K161D	118.968	240.536	61.244	7.322	0.10306	2.35095	4 X
K11R04F	18.0	0.15	K161D	119.590	296.356	14.427	7.174	0.18815	2.30733	5 X
K11R09F	18.7	0.15	K161D	52.673	158.735	205.161	1.994	0.20873	2.39427	4 X
K11R10Q	18.2	0.15	K161D	73.510	61.384	293.192	2.607	0.22661	2.33926	6 X
K11S08Z	17.8	0.15	K161D	125.196	176.134	115.557	2.005	0.18878	2.36567	5 X
K11S21O	17.7	0.15	K161D	85.643	18.962	304.679	2.104	0.21580	2.35564	6 X
K11S26U	17.7	0.15	K161D	55.906	355.231	13.927	4.590	0.26527	2.37198	5 X
K11S37H	17.9	0.15	K161D	95.165	301.759	33.573	4.478	0.16927	2.37698	5 X
K11S39J	17.8	0.15	K161D	49.381	316.616	42.548	2.711	0.23087	2.45864	4 X
K11S39X	18.3	0.15	K161D	22.584	135.378	271.376	1.475	0.20518	2.40220	4 X
K11S44S	18.8	0.15	K161D	38.035	39.006	338.212	1.996	0.22147	2.45855	3 X
K11S45L	18.6	0.15	K161D	11.126	213.514	212.803	3.781	0.19549	2.38575	2 X
K11S51J	17.7	0.15	K161D	61.787	21.658	345.381	2.967	0.20702	2.39088	4 X
K11S59A	18.7	0.15	K161D	46.003	120.118	257.683	1.452	0.17299	2.38627	4 X
K11S65M	17.4	0.15	K161D	65.195	120.659	229.177	5.139	0.31445	2.39383	4 X
K11S67A	17.5	0.15	K161D	49.593	160.598	223.897	1.914	0.20203	2.40417	8 X
K11S78D	18.3	0.15	K161D	338.895	169.893	311.082	1.608	0.17322	2.31254	4 X
K11S85M	17.7	0.15	K161D	22.816	192.644	177.109	6.261	0.27306	2.57662	2 X
K11S87J	17.4	0.15	K161D	102.752	326.127	3.438	7.437	0.14015	2.35040	6 X
K11S96X	17.6	0.15	K161D	65.872	334.258	8.810	1.866	0.33439	2.42548	5 X
K11SA2F	18.9	0.15	K161D	88.100	0.713	337.462	1.666	0.23724	2.31871	4 X
K11SA5A	17.0	0.15	K161D	37.247	147.086	255.736	5.934	0.14032	2.41748	6 X
K11SA7R	17.3	0.15	K161D	41.825	155.874	224.302	5.949	0.21816	2.42432	5 X
K11SA9B	18.5	0.15	K161D	62.475	173.399	179.518	1.109	0.20015	2.39314	3 X

K11SB0A	17.2	0.15	K161D	42.336	358.617	30.328	6.906	0.22528	2.37443	6 X
K11SB3P	18.0	0.15	K161D	41.030	317.169	59.214	2.557	0.19946	2.42175	4 X
K11SB9E	17.8	0.15	K161D	106.210	165.922	190.962	7.479	0.17479	2.26365	5 X
K11SC9S	17.4	0.15	K161D	114.430	206.127	89.772	2.661	0.25323	2.38507	9 X
K11SD7N	17.9	0.15	K161D	41.583	65.677	329.300	1.865	0.18936	2.38229	6 X
K11SE6F	18.6	0.15	K161D	9.053	115.350	327.598	1.129	0.18135	2.39715	6 X
K11SE6K	17.7	0.15	K161D	68.413	357.647	350.137	1.071	0.19887	2.42898	4 X
K11SH0L	17.6	0.15	K161D	103.745	314.759	11.653	2.749	0.20589	2.35007	7 X
K11SI4G	18.3	0.15	K161D	95.917	253.985	69.637	3.323	0.18188	2.41987	2 X
K11SJ2L	18.3	0.15	K161D	53.690	99.101	261.926	1.295	0.20662	2.41327	4 X
K11SL1Y	18.3	0.15	K161D	48.009	19.728	7.513	3.493	0.13226	2.39945	4 X
K11SL6P	17.7	0.15	K161D	62.908	328.884	24.685	3.709	0.14251	2.41582	5 X
K11SL9H	17.5	0.15	K161D	146.187	311.512	340.823	3.968	0.10992	2.34961	5 X
K11SM1R	17.8	0.15	K161D	356.328	257.252	147.495	4.611	0.22977	2.55666	5 X
K11SO0Q	18.4	0.15	K161D	26.394	228.668	174.456	1.205	0.17650	2.40991	5 X
K11SO7X	15.8	0.15	K161D	50.737	124.266	256.257	14.567	0.21880	2.55069	3 X
K11SR5E	17.5	0.15	K161D	81.119	212.174	121.956	2.122	0.19552	2.40259	7 X
K11U22B	16.8	0.15	K161D	132.609	27.091	261.742	6.047	0.08533	2.42420	6 X
K11U27D	17.8	0.15	K161D	29.123	349.610	60.438	3.828	0.22225	2.44770	5 X
K11U28G	17.6	0.15	K161D	19.363	150.954	273.887	4.590	0.16976	2.45319	5 X
K11U30U	16.8	0.15	K161D	49.340	290.550	52.708	10.944	0.10339	2.63793	4 X
K11U32X	17.7	0.15	K161D	23.457	146.520	257.736	5.728	0.11624	2.43690	3 X
K11U44W	17.9	0.15	K161D	7.141	68.031	14.799	5.580	0.13664	2.39786	6 X
K11U50L	17.8	0.15	K161D	21.785	312.001	54.874	4.466	0.24463	2.60697	3 X
K11U52R	17.4	0.15	K161D	3.225	202.280	196.944	5.923	0.26800	2.60364	3 X
K11U53T	17.0	0.15	K161D	180.749	57.549	235.176	10.893	0.17985	2.27059	4 X
K11U56Z	17.8	0.15	K161D	123.567	133.803	203.839	9.778	0.24816	2.25127	6 X
K11U62A	17.2	0.15	K161D	14.652	317.965	60.098	12.682	0.25286	2.64138	3 X
K11U76Y	17.7	0.15	K161D	27.876	218.166	248.375	6.055	0.20754	2.30245	3 X
K11U79N	18.4	0.15	K161D	47.871	40.713	340.085	1.941	0.21258	2.44956	3 X
K11U80U	17.9	0.15	K161D	359.270	4.431	40.473	7.446	0.27899	2.60816	4 X
K11U81E	19.2	0.15	K161D	66.100	302.485	50.678	3.279	0.20654	2.45965	2 X
K11U88L	17.4	0.15	K161D	38.881	325.870	51.028	13.875	0.18553	2.54600	3 X
K11U95B	18.1	0.15	K161D	359.989	58.572	37.420	3.118	0.13339	2.38144	7 X
K11UA1Q	17.2	0.15	K161D	2.809	202.339	193.880	6.187	0.22636	2.62887	3 X
K11UB8Y	18.0	0.15	K161D	3.759	201.082	229.940	1.912	0.18243	2.46062	4 X
K11UB8Z	18.3	0.15	K161D	4.036	217.440	215.729	2.370	0.09649	2.42551	5 X
K11UC3H	17.3	0.15	K161D	75.789	284.010	49.837	5.420	0.20488	2.41480	5 X
K11UD3W	17.3	0.15	K161D	318.755	350.609	99.884	10.728	0.12591	2.58426	5 X
K11UE9L	18.0	0.15	K161D	21.085	312.149	57.887	6.040	0.27720	2.59150	3 X
K11UF1M	17.4	0.15	K161D	359.936	242.734	165.168	5.608	0.24572	2.60234	4 X
K11UG0Z	17.2	0.15	K161D	310.031	217.755	280.001	2.541	0.15378	2.52600	7 X
K11UG1O	17.1	0.15	K161D	34.369	302.100	43.767	19.403	0.22844	2.65969	5 X
K11UG2E	16.7	0.15	K161D	314.668	45.371	55.738	6.597	0.22141	2.69170	5 X
K11UH7U	17.3	0.15	K161D	36.003	176.004	170.752	3.255	0.20189	2.63314	6 X
K11UH9A	16.7	0.15	K161D	131.412	227.235	63.301	15.930	0.13879	2.48228	7 X
K11UJ0Y	17.2	0.15	K161D	338.437	354.376	62.038	7.556	0.04765	2.69736	5 X
K11UJ4H	16.1	0.15	K161D	329.627	228.263	245.389	27.301	0.27793	2.58554	3 X
K11UK4E	18.3	0.15	K161D	9.099	330.248	94.828	2.523	0.14212	2.52829	4 X
K11UK5C	18.1	0.15	K161D	355.355	235.697	186.547	6.490	0.27953	2.56803	3 X
K11UO1U	18.3	0.15	K161D	56.178	344.317	34.571	3.673	0.17525	2.45236	3 X
K11UO9J	16.8	0.15	K161D	45.389	280.027	57.845	13.967	0.19486	2.65701	3 X
K11UP4H	18.3	0.15	K161D	40.602	37.985	356.375	1.979	0.19957	2.42646	3 X
K11UQ7S	16.8	0.15	K161D	355.498	255.180	158.847	6.082	0.25456	2.59392	5 X
K11US2D	18.2	0.15	K161D	13.249	83.476	350.831	2.776	0.17564	2.45259	4 X
K11UU1V	18.3	0.15	K161D	65.100	258.884	96.905	2.987	0.19352	2.46205	2 X
K11UU7A	17.5	0.15	K161D	21.414	279.741	83.578	4.434	0.23927	2.61307	3 X
K11UU7L	17.8	0.15	K161D	20.372	206.205	172.334	4.789	0.27567	2.57058	3 X

K11UV0F	18.0	0.15	K161D	23.494	17.741	45.655	3.345	0.15996	2.41501	6 X
K11UV0Q	17.8	0.15	K161D	348.691	182.477	274.284	4.813	0.14912	2.43138	2 X
K11UY0R	18.2	0.15	K161D	68.787	334.174	30.927	5.453	0.13526	2.38296	5 X
K11Ua2J	17.4	0.15	K161D	328.081	30.332	62.455	14.701	0.21892	2.64996	3 X
K11Ua2Z	18.0	0.15	K161D	3.602	184.277	263.867	1.064	0.09007	2.41433	7 X
K11Ub0A	18.2	0.15	K161D	92.628	353.712	340.489	2.793	0.22322	2.39914	5 X
K11Uc1C	18.2	0.15	K161D	345.305	59.093	33.644	4.366	0.13632	2.44650	4 X
K11Ud6L	16.3	0.15	K161D	40.034	154.284	196.857	32.013	0.16831	2.59845	4 X
K11V10E	18.3	0.15	K161D	2.796	232.784	218.739	1.914	0.22637	2.43998	4 X
K11V13L	17.1	0.15	K161D	22.534	223.864	227.095	9.252	0.10645	2.36082	4 X
K11W09N	18.1	0.15	K161D	80.128	285.597	64.242	2.584	0.19237	2.44253	4 X
K11W13A	16.7	0.15	K161D	104.052	209.670	74.376	6.497	0.02505	2.73243	5 X
K11W15N	19.6	0.15	K161D	59.280	218.530	75.590	33.457	0.85786	1.21646	3 X
K11W16X	17.8	0.15	K161D	34.195	143.481	242.757	11.058	0.19227	2.54891	3 X
K11W17T	17.2	0.15	K161D	358.957	319.445	83.511	6.146	0.13629	2.66754	6 X
K11W22F	18.1	0.15	K161D	41.597	335.449	62.579	7.228	0.11138	2.48428	3 X
K11W24F	18.1	0.15	K161D	40.437	209.679	163.049	0.065	0.24589	2.53663	5 X
K11W26Z	15.9	0.15	K161D	86.531	87.968	271.733	21.751	0.00611	2.43116	3 X
K11W40C	17.6	0.15	K161D	253.987	35.110	154.188	12.023	0.08151	2.42377	5 X
K11W45S	17.0	0.15	K161D	56.727	135.242	260.753	23.757	0.24450	2.37730	3 X
K11W50Z	18.8	0.15	K161D	24.066	332.506	66.512	6.687	0.25351	2.53744	3 X
K11W64H	16.1	0.15	K161D	41.912	118.590	255.478	16.707	0.14817	2.58429	5 X
K11W67Y	17.2	0.15	K161D	355.016	243.441	205.420	2.977	0.17253	2.55168	3 X
K11W68W	17.1	0.15	K161D	33.511	337.586	49.065	5.015	0.24152	2.54256	4 X
K11W70D	16.6	0.15	K161D	11.365	172.441	239.096	16.100	0.22857	2.58083	3 X
K11W76H	16.5	0.15	K161D	78.177	247.811	47.277	9.557	0.14331	2.75690	5 X
K11W89R	16.6	0.15	K161D	51.588	305.359	66.139	8.889	0.19516	2.54968	4 X
K11W91G	17.2	0.15	K161D	325.772	56.125	79.251	31.592	0.28942	2.61032	4 X
K11W91H	17.5	0.15	K161D	334.074	44.299	63.629	11.034	0.14573	2.63332	2 X
K11WC0C	18.3	0.15	K161D	77.526	188.830	207.679	8.299	0.22396	2.32826	4 X
K11WC4R	17.9	0.15	K161D	343.316	316.559	112.735	4.335	0.23369	2.61691	3 X
K11WD4K	16.9	0.15	K161D	13.732	296.526	117.771	8.424	0.15355	2.55470	5 X
K11WD7W	17.6	0.15	K161D	16.835	259.492	155.245	1.670	0.14785	2.55635	3 X
K11WE0Y	16.9	0.15	K161D	331.010	199.512	270.027	2.382	0.09472	2.60357	8 X
K11WF3A	17.0	0.15	K161D	68.003	216.287	128.605	12.188	0.15830	2.54556	3 X
K11Y11C	17.1	0.15	K161D	21.598	8.154	52.022	4.557	0.20387	2.56912	6 X
K11Y12S	17.4	0.15	K161D	17.619	173.228	237.641	1.663	0.19848	2.64926	5 X
K11Y24U	17.9	0.15	K161D	347.175	17.708	78.129	3.239	0.22091	2.64506	3 X
K11Y25N	17.0	0.15	K161D	24.359	126.323	291.372	12.313	0.21642	2.59575	5 X
K11Y37W	17.1	0.15	K161D	349.988	289.567	132.679	7.667	0.25213	2.76937	3 X
K11Y38J	16.1	0.15	K161D	39.478	118.271	278.223	13.656	0.19057	2.61826	6 X
K11Y44C	16.8	0.15	K161D	43.506	244.887	131.954	9.412	0.08870	2.74389	4 X
K11Y47M	16.8	0.15	K161D	52.723	97.278	281.557	11.397	0.19063	2.64615	4 X
K11Y66G	16.7	0.15	K161D	33.699	287.974	96.907	13.668	0.15256	2.73349	2 X
K12A19S	16.4	0.15	K161D	251.601	39.507	234.785	5.934	0.12594	2.32582	8 X
K12A23C	17.3	0.15	K161D	26.533	284.837	80.614	12.044	0.14582	2.68613	4 X
K12B02W	17.3	0.15	K161D	15.871	297.409	115.590	14.184	0.25422	2.64523	3 X
K12B02Y	17.9	0.15	K161D	3.001	342.313	108.409	7.096	0.15394	2.62364	2 X
K12B15J	17.9	0.15	K161D	336.275	201.245	269.662	6.212	0.25630	2.63997	3 X
K12B65H	17.2	0.15	K161D	333.747	308.989	146.637	7.314	0.07445	2.76581	7 X
K12B77Z	17.5	0.15	K161D	4.575	168.834	279.016	3.911	0.18021	2.59201	6 X
K12B89C	16.4	0.15	K161D	24.965	285.192	111.236	10.217	0.16322	2.76965	8 X
K12B91C	17.7	0.15	K161D	12.174	276.014	135.110	9.325	0.26240	2.72203	3 X
K12BC7J	17.9	0.15	K161D	313.846	100.792	42.457	0.745	0.23527	2.66723	4 X
K12BD1P	17.0	0.15	K161D	2.135	9.603	65.204	14.007	0.25748	2.64275	4 X
K12BD1V	17.1	0.15	K161D	5.190	220.403	285.674	10.842	0.15666	2.43854	5 X
K12BD2X	17.3	0.15	K161D	340.280	224.523	238.401	6.293	0.25709	2.66223	4 X
K12BE4U	17.2	0.15	K161D	204.116	296.712	293.987	1.080	0.03852	2.86243	7 X

K12C05N	16.8	0.15	K161D	309.318	100.907	46.888	9.444	0.10239	2.71448	4 X
K12C05Y	17.1	0.15	K161D	306.785	24.357	112.266	12.725	0.11028	2.78767	3 X
K12C07Y	17.6	0.15	K161D	311.110	347.555	149.409	9.406	0.21063	2.75232	4 X
K12C16T	17.0	0.15	K161D	283.914	195.071	340.939	7.629	0.12134	2.77000	5 X
K12C19J	16.7	0.15	K161D	284.707	294.239	241.600	8.538	0.23348	2.75534	5 X
K12C32X	17.2	0.15	K161D	295.529	267.211	242.229	3.601	0.09496	2.81079	4 X
K12C40A	16.7	0.15	K161D	196.894	324.065	274.052	2.670	0.16728	2.99790	5 X
K12C40J	16.4	0.15	K161D	211.727	45.440	138.656	10.009	0.04073	3.17191	6 X
K12C44L	16.9	0.15	K161D	8.970	324.708	114.131	4.521	0.17279	2.74422	7 X
K12D36L	17.2	0.15	K161D	328.706	164.769	326.128	2.781	0.12722	2.79675	4 X
K12D38H	16.3	0.15	K161D	246.412	87.139	114.395	16.981	0.24614	3.05495	6 X
K12D40Y	15.5	0.15	K161D	74.586	219.291	118.092	12.520	0.07571	3.15547	8 X
K12D41Z	17.4	0.15	K161D	268.110	214.357	335.345	3.153	0.04660	2.79093	5 X
K12D45G	16.6	0.15	K161D	336.716	296.544	163.854	11.973	0.09530	3.00368	6 X
K12D69K	17.0	0.15	K161D	30.644	83.029	319.024	7.224	0.23238	2.71915	5 X
K12D73D	17.0	0.15	K161D	327.717	93.716	36.625	4.455	0.15128	2.77987	6 X
K12D79X	16.5	0.15	K161D	328.909	70.749	51.909	17.967	0.26116	2.76311	4 X
K12D97R	15.5	0.15	K161D	330.556	326.649	138.350	11.771	0.11428	2.96759	7 X
K12E07B	16.7	0.15	K161D	343.319	313.391	213.112	11.210	0.12521	2.57127	8 X
K12E07G	15.2	0.15	K161D	197.704	140.406	88.590	18.254	0.08778	3.20962	8 X
K12F07V	17.3	0.15	K161D	291.606	182.165	342.920	4.075	0.05225	2.81117	3 X
K12F32T	16.5	0.15	K161D	211.622	94.403	127.684	11.451	0.09044	3.08607	4 X
K12F36W	16.4	0.15	K161D	20.125	4.494	41.579	9.922	0.05400	3.17960	4 X
K12F41S	16.8	0.15	K161D	302.317	16.036	198.318	11.518	0.12489	2.67628	8 X
K12F43K	17.0	0.15	K161D	282.691	56.586	195.405	12.674	0.23108	2.64293	6 X
K12F47B	17.4	0.15	K161D	305.564	84.006	52.628	0.540	0.09119	2.96523	4 X
K12F47S	16.6	0.15	K161D	139.717	124.888	153.559	9.271	0.04852	3.23923	6 X
K12F52E	16.2	0.15	K161D	217.908	308.749	270.206	8.769	0.18176	3.14466	6 X
K12F55J	15.4	0.15	K161D	57.155	206.269	177.599	20.787	0.01459	3.09991	8 X
K12F55M	16.9	0.15	K161D	224.944	105.700	157.916	13.523	0.22845	2.69094	5 X
K12F62J	17.4	0.15	K161D	320.009	80.136	128.866	28.287	0.43449	2.62364	3 X
K12F70R	16.4	0.15	K161D	266.277	1.867	248.056	6.409	0.05385	2.61596	7 X
K12F74B	16.8	0.15	K161D	42.469	249.560	191.153	12.916	0.16284	2.67172	4 X
K12F76P	16.1	0.15	K161D	221.036	56.570	160.935	14.485	0.23981	3.16002	6 X
K12F82G	16.3	0.15	K161D	208.489	165.494	53.143	11.867	0.10360	3.21754	4 X
K12G03C	17.2	0.15	K161D	25.499	290.539	189.843	7.095	0.10150	2.63946	6 X
K12G09M	15.9	0.15	K161D	144.561	119.230	205.971	15.663	0.16395	3.02050	6 X
K12G13E	16.6	0.15	K161D	306.759	58.601	170.613	14.303	0.21260	2.63146	6 X
K12G13N	16.6	0.15	K161D	333.362	355.905	175.321	16.035	0.13021	2.76030	6 X
K12G15R	16.5	0.15	K161D	298.994	278.177	223.629	1.551	0.13184	3.07535	7 X
K12G24E	16.3	0.15	K161D	266.593	0.846	172.329	11.365	0.11703	3.10589	6 X
K12G25S	17.2	0.15	K161D	16.928	292.160	187.977	12.462	0.21105	2.61919	5 X
K12H05V	16.1	0.15	K161D	286.220	94.828	72.019	18.703	0.17643	3.04210	5 X
K12H14T	16.1	0.15	K161D	264.250	132.543	59.856	14.205	0.08049	2.98306	6 X
K12H45K	16.4	0.15	K161D	260.100	124.131	62.235	5.634	0.13295	3.19126	4 X
K12H54M	17.1	0.15	K161D	1.501	284.667	225.188	9.090	0.11855	2.65917	4 X
K12H56A	16.2	0.15	K161D	285.883	325.480	233.036	9.638	0.07746	2.86275	6 X
K12H79E	16.8	0.15	K161D	263.389	44.138	235.200	8.742	0.22815	2.71196	5 X
K12J07M	16.0	0.15	K161D	335.679	72.365	45.767	11.466	0.10341	3.16214	6 X
K12J10S	17.0	0.15	K161D	347.682	299.827	225.945	11.974	0.20594	2.68661	4 X
K12J13A	15.9	0.15	K161D	273.396	129.537	62.625	13.103	0.12354	3.07243	5 X
K12J38F	17.4	0.15	K161D	294.244	25.601	217.935	10.926	0.19089	2.66888	5 X
K12J39S	16.4	0.15	K161D	311.967	93.571	48.505	9.014	0.10202	3.17230	6 X
K12J57S	15.9	0.15	K161D	289.611	90.943	82.947	16.990	0.10614	3.16675	6 X
K12K15X	16.2	0.15	K161D	62.703	211.647	205.516	13.163	0.01575	3.15660	8 X
K12K25X	16.1	0.15	K161D	330.089	68.474	56.258	12.668	0.11052	3.08718	5 X
K12K49Z	16.6	0.15	K161D	284.131	353.091	207.832	8.641	0.08310	3.06553	7 X
K12L07V	15.4	0.15	K161D	308.135	284.402	298.398	29.035	0.21718	2.57744	6 X

K12P00E	18.4	0.15	K161D	352.302	228.339	287.520	20.628	0.03913	1.70469	4 X
K12P14P	16.6	0.15	K161D	283.564	296.952	317.068	25.370	0.18311	3.10523	4 X
K12Q40F	12.9	0.15	K161D	313.639	319.011	173.160	23.285	0.05661	5.25439	10 X
K12R02A	17.6	0.15	K161D	272.684	127.054	32.778	22.005	0.05631	1.95082	6 X
K12R25P	13.7	0.15	K161D	138.240	7.899	290.038	16.981	0.05979	5.18537	4 X
K12T78T	20.1	0.15	K161D	2.804	240.527	246.212	7.731	0.41738	1.96740	2 X
K12TD9M	19.7	0.15	K161D	44.775	45.517	283.997	4.496	0.44269	2.11492	2 X
K12TT7U	18.4	0.15	K161D	105.327	126.476	215.133	20.769	0.07397	1.97834	5 X
K12U04G	17.6	0.15	K161D	75.976	192.339	84.012	3.269	0.15072	2.24712	8 X
K12U62D	18.3	0.15	K161D	39.998	283.828	67.781	4.720	0.21112	2.15457	4 X
K12V07O	21.8	0.15	K161D	2.603	56.130	47.549	5.772	0.46093	2.06017	2 X
K12V20F	18.6	0.15	K161D	106.766	106.191	254.119	18.975	0.10076	1.92593	3 X
K12X47O	18.0	0.15	K161D	297.078	301.292	269.551	17.383	0.02470	1.94916	3 X
K12XB1T	25.9	0.15	K161D	25.386	103.427	271.248	1.839	0.60660	2.08527	2 X
K12XD3A	21.0	0.15	K161D	59.749	77.808	225.747	4.051	0.69780	1.32799	2 X
K12XD3S	17.9	0.15	K161D	357.739	349.448	64.704	6.203	0.14099	2.20444	5 X
K12XD4S	18.4	0.15	K161D	28.083	290.319	73.807	20.373	0.47011	2.16782	2 X
K12XE4U	18.3	0.15	K161D	347.360	160.416	293.907	5.550	0.22798	2.18072	3 X
K12Y02Z	17.8	0.15	K161D	280.885	297.794	293.351	19.106	0.04718	1.92310	4 X
K12Y04X	18.3	0.15	K161D	2.093	333.274	106.965	2.151	0.12538	2.16552	6 X
K13A67B	17.3	0.15	K161D	56.595	165.586	277.143	18.386	0.07853	1.91789	3 X
K13A90C	17.8	0.15	K161D	252.325	135.654	70.305	6.715	0.05337	2.27886	6 X
K13A98L	18.0	0.15	K161D	36.230	328.093	66.109	6.507	0.15267	2.19852	5 X
K13AA1X	17.1	0.15	K161D	33.010	337.146	82.071	9.462	0.02779	2.19881	6 X
K13AA9V	18.2	0.15	K161D	331.499	205.188	278.161	8.163	0.04074	2.18546	6 X
K13AB7C	16.9	0.15	K161D	264.363	144.544	26.996	7.696	0.05239	2.35358	7 X
K13AC9Y	17.3	0.15	K161D	7.243	246.033	146.821	7.461	0.12309	2.40990	6 X
K13B25S	18.3	0.15	K161D	14.858	268.769	117.406	3.400	0.22033	2.36825	5 X
K13B27U	18.5	0.15	K161D	142.887	83.957	270.979	16.109	0.11358	1.97208	4 X
K13B36V	17.9	0.15	K161D	22.941	246.444	124.983	1.937	0.12797	2.39939	7 X
K13B44L	16.5	0.15	K161D	176.767	150.848	66.453	12.579	0.12324	2.60086	8 X
K13B56T	18.6	0.15	K161D	30.025	278.878	123.059	2.404	0.16208	2.19540	4 X
K13B65G	17.5	0.15	K161D	15.156	243.946	142.291	6.670	0.13129	2.41911	4 X
K13B67V	17.4	0.15	K161D	150.168	231.560	42.541	3.766	0.18349	2.38550	8 X
K13B72F	17.5	0.15	K161D	267.207	265.737	288.903	6.855	0.07499	2.17000	7 X
K13C06F	17.5	0.15	K161D	254.721	40.098	146.723	7.488	0.05146	2.29506	6 X
K13C08T	16.9	0.15	K161D	150.995	2.989	289.619	6.608	0.11232	2.30656	7 X
K13C10S	17.7	0.15	K161D	260.202	190.470	17.840	7.185	0.14663	2.28314	5 X
K13C12E	18.0	0.15	K161D	4.934	6.692	69.386	3.357	0.13309	2.24550	5 X
K13C15O	18.0	0.15	K161D	230.292	238.519	352.301	2.359	0.10279	2.28184	4 X
K13C44X	17.9	0.15	K161D	36.826	5.106	23.795	3.752	0.15580	2.32636	4 X
K13C55P	17.0	0.15	K161D	316.687	35.330	13.836	4.414	0.10072	2.72082	3 X
K13C60P	18.8	0.15	K161D	342.921	91.148	15.928	3.368	0.17598	2.21891	4 X
K13C70A	17.3	0.15	K161D	315.382	30.246	89.889	2.163	0.03889	2.35288	9 X
K13C78F	17.4	0.15	K161D	330.532	280.025	161.490	8.808	0.14728	2.41866	3 X
K13C79E	18.2	0.15	K161D	345.514	244.856	218.055	3.645	0.15819	2.23764	4 X
K13C90K	17.9	0.15	K161D	14.949	98.250	338.856	6.446	0.05715	2.31501	4 X
K13C93N	17.6	0.15	K161D	36.581	69.534	315.883	3.885	0.14124	2.34603	4 X
K13C94W	18.7	0.15	K161D	1.695	282.566	153.281	6.846	0.18588	2.24861	3 X
K13CA3X	17.5	0.15	K161D	134.522	193.998	99.977	6.333	0.15374	2.45065	2 X
K13CB2X	18.0	0.15	K161D	7.879	267.237	131.105	3.003	0.20113	2.39168	5 X
K13CE3H	18.3	0.15	K161D	282.742	341.144	184.966	2.951	0.09596	2.32766	5 X
K13CF5F	18.0	0.15	K161D	243.909	62.356	141.439	1.862	0.12597	2.39389	6 X
K13CH1N	17.9	0.15	K161D	254.078	292.317	260.164	1.640	0.13234	2.38641	6 X
K13CI6G	17.4	0.15	K161D	11.072	225.088	170.669	8.692	0.19902	2.40491	5 X
K13CJ2N	17.9	0.15	K161D	256.216	328.595	218.935	0.679	0.12431	2.36195	4 X
K13CK7Y	16.8	0.15	K161D	121.298	349.833	307.345	3.640	0.12014	2.55905	9 X
K13D05R	17.8	0.15	K161D	23.437	102.028	303.296	3.603	0.14076	2.33481	4 X

K13E09A	17.0	0.15	K161D	166.634	298.923	318.516	2.798	0.14293	2.60613	9 X
K13E17W	18.4	0.15	K161D	348.259	121.589	346.906	2.491	0.10475	2.22282	6 X
K13E24H	17.3	0.15	K161D	274.943	126.260	62.376	7.137	0.08587	2.33112	7 X
K13E25F	19.9	0.15	K161D	18.184	110.517	316.734	0.854	0.14892	2.30151	2 X
K13E37J	18.2	0.15	K161D	282.608	121.848	42.976	3.073	0.14605	2.39373	4 X
K13E51E	17.8	0.15	K161D	282.476	73.783	90.837	4.258	0.09881	2.43008	6 X
K13E51Y	18.5	0.15	K161D	358.395	78.969	17.630	3.079	0.13019	2.27273	4 X
K13E57K	17.1	0.15	K161D	114.690	141.951	166.317	12.017	0.07608	2.59507	4 X
K13E72T	18.2	0.15	K161D	194.958	214.087	42.111	3.610	0.14876	2.45505	3 X
K13EA1F	17.1	0.15	K161D	20.813	4.938	63.885	5.437	0.10281	2.31750	6 X
K13EA1Y	17.3	0.15	K161D	167.073	106.484	151.083	9.711	0.04834	2.64896	4 X
K13EA5D	18.0	0.15	K161D	298.345	352.909	141.570	7.344	0.04469	2.35343	3 X
K13EB9L	15.8	0.15	K161D	277.201	76.236	33.536	13.003	0.02709	2.86215	4 X
K13EC3N	16.0	0.15	K161D	86.842	278.977	32.541	10.116	0.23526	3.13345	5 X
K13F01Y	16.8	0.15	K161D	120.818	164.375	135.731	10.900	0.09280	2.60719	5 X
K13F04P	15.7	0.15	K161D	135.788	114.019	128.795	8.651	0.17112	3.14078	8 X
K13F11U	17.6	0.15	K161D	273.348	84.698	97.124	4.641	0.19336	2.39565	5 X
K13F17H	17.0	0.15	K161D	296.145	286.344	191.484	13.795	0.11633	2.62358	7 X
K13F18F	16.4	0.15	K161D	111.110	287.223	8.955	3.501	0.22809	3.05195	7 X
K13F18W	17.0	0.15	K161D	240.069	150.803	47.587	14.500	0.10636	2.59579	4 X
K13F22P	17.6	0.15	K161D	308.503	168.924	340.896	4.838	0.08266	2.42078	8 X
K13G18E	17.0	0.15	K161D	255.295	297.452	258.382	6.274	0.14900	2.37372	7 X
K13G36L	17.5	0.15	K161D	211.255	260.721	326.754	1.220	0.07200	2.61098	5 X
K13G46B	16.4	0.15	K161D	31.529	334.680	67.078	16.215	0.05520	2.57127	6 X
K13G49N	17.8	0.15	K161D	304.152	113.230	48.348	1.936	0.12484	2.38231	6 X
K13G53P	16.8	0.15	K161D	272.157	331.681	185.867	9.500	0.04789	2.68326	5 X
K13G58J	16.7	0.15	K161D	9.036	19.314	35.471	6.433	0.07938	2.61233	8 X
K13G60E	18.2	0.15	K161D	279.615	166.302	29.621	3.299	0.19175	2.33920	5 X
K13G60X	18.0	0.15	K161D	315.109	101.072	38.419	5.404	0.17075	2.37860	4 X
K13G69V	17.0	0.15	K161D	260.410	177.148	0.992	2.509	0.07716	2.54863	7 X
K13G70U	17.4	0.15	K161D	218.111	211.772	23.099	9.249	0.11701	2.57617	6 X
K13G71H	17.9	0.15	K161D	15.243	358.680	60.863	2.197	0.10508	2.60354	4 X
K13G73Y	18.9	0.15	K161D	343.375	62.023	49.361	21.179	0.47845	2.22160	3 X
K13G74S	16.7	0.15	K161D	217.862	23.208	202.399	13.567	0.19954	2.68531	4 X
K13G76B	18.4	0.15	K161D	297.101	239.550	270.251	0.535	0.11948	2.37896	4 X
K13G81H	17.0	0.15	K161D	216.665	47.941	166.688	9.316	0.05256	2.68408	7 X
K13G81W	16.4	0.15	K161D	207.401	174.717	57.487	18.061	0.19460	2.78680	7 X
K13G83V	16.6	0.15	K161D	226.937	160.443	65.438	9.650	0.04731	2.62724	8 X
K13G85K	17.0	0.15	K161D	268.470	126.385	57.634	13.340	0.14930	2.46148	8 X
K13G86Y	15.9	0.15	K161D	98.936	134.968	155.846	12.159	0.04110	3.20632	9 X
K13GA0X	17.0	0.15	K161D	250.657	352.377	205.047	13.903	0.19587	2.56285	7 X
K13GA2V	17.9	0.15	K161D	287.489	111.914	50.426	3.241	0.13630	2.45881	7 X
K13GB6C	17.0	0.15	K161D	317.045	333.982	163.285	14.912	0.06113	2.49039	5 X
K13GC3W	16.4	0.15	K161D	136.402	207.714	74.577	11.540	0.14776	2.79494	5 X
K13GC6C	16.5	0.15	K161D	132.099	236.086	71.532	11.667	0.14099	2.93006	6 X
K13GD0Y	17.6	0.15	K161D	337.981	242.065	246.645	5.473	0.20300	2.31594	6 X
K13H08D	16.6	0.15	K161D	271.563	145.703	40.732	7.505	0.09617	2.57136	6 X
K13H16M	17.1	0.15	K161D	260.310	143.615	41.513	4.629	0.09028	2.57756	6 X
K13H29B	15.7	0.15	K161D	142.264	129.184	156.451	16.832	0.20136	3.12787	6 X
K13H30K	17.4	0.15	K161D	173.765	21.772	231.860	9.809	0.11535	2.76983	4 X
K13H34J	18.4	0.15	K161D	300.841	219.910	295.591	4.197	0.17573	2.40230	6 X
K13H34O	17.0	0.15	K161D	29.742	118.666	276.620	5.269	0.07034	2.71123	5 X
K13H41S	17.5	0.15	K161D	24.384	100.770	309.221	3.006	0.08004	2.64068	6 X
K13H51K	16.8	0.15	K161D	27.437	32.391	350.599	5.881	0.07666	2.91412	7 X
K13H54Y	17.7	0.15	K161D	326.290	207.971	267.219	2.851	0.05741	2.53250	5 X
K13H61S	18.1	0.15	K161D	166.054	23.941	244.382	4.044	0.07178	2.70071	2 X
K13H72R	17.4	0.15	K161D	23.349	156.058	254.327	3.319	0.03790	2.65235	7 X
K13H72Y	18.2	0.15	K161D	124.575	80.737	231.406	5.999	0.09374	2.72777	3 W

K13H75V	18.4	0.15	K161D	40.536	112.721	276.224	0.949	0.15644	2.69860	2 X
K13H82V	17.8	0.15	K161D	310.265	120.433	6.943	2.887	0.04980	2.61100	4 X
K13H88S	20.0	0.15	K161D	321.202	224.857	272.628	1.385	0.18114	2.35270	2 X
K13H89D	19.4	0.15	K161D	324.405	245.572	245.356	1.802	0.15135	2.38459	2 X
K13H99J	18.9	0.15	K161D	156.962	317.188	323.206	1.534	0.05233	2.66236	2 X
K13HA7H	18.2	0.15	K161D	7.789	32.258	51.023	3.316	0.17647	2.41083	5 X
K13HA8U	17.8	0.15	K161D	25.510	1.704	44.162	2.958	0.20347	2.61118	6 X
K13HB2T	18.3	0.15	K161D	17.248	18.624	31.547	3.925	0.14018	2.65844	4 X
K13HB5N	17.7	0.15	K161D	103.799	123.825	205.232	3.336	0.10337	2.77080	2 X
K13HE2F	17.5	0.15	K161D	57.168	268.478	89.981	2.316	0.11190	2.89205	5 X
K13J05U	15.9	0.15	K161D	86.686	283.745	67.273	12.846	0.07855	2.94908	5 X
K13J27Q	15.3	0.15	K161D	122.696	151.757	159.546	17.379	0.12892	3.05033	8 X
K13J31C	16.9	0.15	K161D	184.581	156.529	136.633	33.811	0.20190	2.62284	4 X
K13J35C	17.0	0.15	K161D	259.262	309.211	235.727	10.222	0.08429	2.66592	4 X
K13J39X	15.8	0.15	K161D	81.237	231.968	108.513	12.330	0.03033	3.12479	4 X
K13J42R	16.7	0.15	K161D	338.886	61.328	50.962	6.287	0.08538	2.60683	8 X
K13J43K	16.6	0.15	K161D	181.363	110.752	188.414	15.260	0.18310	2.65212	7 X
K13J50A	17.3	0.15	K161D	246.492	139.126	59.764	7.296	0.13822	2.61505	6 X
K13J53G	17.1	0.15	K161D	249.176	234.057	334.824	3.969	0.11019	2.55287	6 X
K13J55A	17.3	0.15	K161D	255.309	133.176	69.134	6.580	0.06172	2.60364	5 X
K13J56U	17.1	0.15	K161D	200.089	176.536	74.062	13.659	0.06873	2.71655	3 X
K13J61M	16.1	0.15	K161D	178.728	174.932	70.666	3.736	0.14960	3.00086	8 X
K13K07N	15.9	0.15	K161D	121.861	245.696	60.534	17.622	0.19572	3.05137	4 X
K13K07O	15.7	0.15	K161D	70.671	294.497	46.124	17.187	0.10195	3.14124	7 X
K13K09D	16.4	0.15	K161D	145.929	214.893	73.591	16.476	0.22333	3.12192	5 X
K13K14Z	16.4	0.15	K161D	166.825	155.515	187.278	12.055	0.28304	2.56331	7 X
K13K16E	15.9	0.15	K161D	140.449	38.406	241.890	9.305	0.11791	3.08208	3 X
K13K16Z	17.9	0.15	K161D	260.394	145.233	62.391	6.441	0.19615	2.52340	4 X
K13L04C	17.3	0.15	K161D	267.330	125.629	69.218	10.052	0.10717	2.56708	3 X
K13L08D	16.5	0.15	K161D	171.289	162.225	92.707	5.459	0.13027	3.03905	5 X
K13L14N	17.6	0.15	K161D	31.412	245.651	220.086	13.890	0.02118	2.44119	4 X
K13L20X	15.5	0.15	K161D	147.260	232.165	56.163	10.377	0.15423	3.00273	6 X
K13L26R	16.4	0.15	K161D	219.960	47.610	259.637	12.642	0.25962	2.63928	5 X
K13M00M	15.8	0.15	K161D	217.404	36.902	264.343	11.751	0.11110	2.74298	6 X
K13M05Y	19.5	0.15	K161D	29.895	278.888	102.951	2.996	0.45304	1.66185	3 X
K13M10X	15.7	0.15	K161D	170.377	340.357	293.148	14.087	0.05451	3.20162	5 X
K13N00D	16.4	0.15	K161D	215.124	13.077	256.579	14.112	0.09845	2.57512	3 X
K13N08B	17.2	0.15	K161D	353.437	275.185	245.058	4.555	0.09512	2.29960	8 X
K13N15R	17.0	0.15	K161D	168.307	47.159	300.347	8.697	0.10528	2.69315	5 X
K13N16R	16.1	0.15	K161D	48.817	272.907	160.021	11.870	0.12016	3.17937	2 X
K13N20W	16.1	0.15	K161D	22.297	187.917	301.648	21.425	0.07817	2.59024	6 X
K13O01R	16.6	0.15	K161D	103.604	114.994	278.745	10.305	0.13197	3.15624	3 X
K13O03N	16.4	0.15	K161D	205.724	311.757	296.720	13.734	0.28398	3.14810	6 X
K13O07J	16.0	0.15	K161D	277.518	318.208	283.306	14.012	0.06224	2.58985	9 X
K13P03S	16.7	0.15	K161D	39.641	241.489	222.286	8.093	0.07122	2.99755	5 X
K13P10T	17.6	0.15	K161D	260.845	25.630	256.145	4.928	0.25335	2.41913	6 X
K13P22L	16.7	0.15	K161D	188.108	77.145	213.457	8.464	0.07531	3.17864	7 X
K13P29E	16.9	0.15	K161D	289.144	64.425	170.677	14.504	0.12564	2.68870	5 X
K13P32T	16.2	0.15	K161D	170.615	156.892	175.175	20.222	0.09078	3.08705	5 X
K13P34Q	16.6	0.15	K161D	92.415	112.209	296.968	9.207	0.12602	3.08016	5 X
K13P52T	15.9	0.15	K161D	246.348	344.965	254.530	14.228	0.09805	2.84825	7 X
K13P73S	16.3	0.15	K161D	220.084	29.921	280.108	12.573	0.14824	2.71255	6 X
K13Q33N	16.7	0.15	K161D	162.840	111.649	207.482	8.202	0.05378	3.23146	3 X
K13Q44Q	14.2	0.15	K161D	119.431	30.354	268.163	2.495	0.04642	5.19302	4 X
K13Q70H	16.0	0.15	K161D	145.480	56.964	308.166	22.289	0.21040	3.11676	4 X
K13R34S	16.6	0.15	K161D	233.067	43.098	245.064	12.670	0.23807	2.66828	3 X
K13R45M	16.1	0.15	K161D	160.068	80.784	277.546	9.134	0.09236	3.08591	6 X
K13R69K	15.6	0.15	K161D	202.116	63.786	246.673	15.597	0.21407	3.13835	6 X

K13R85D	16.2	0.15	K161D	172.067	117.435	225.913	8.302	0.06727	3.17575	7 X
K13S23H	15.7	0.15	K161D	234.631	74.304	182.828	13.554	0.18099	3.20312	7 X
K13S52Q	15.9	0.15	K161D	226.584	9.774	290.044	12.890	0.13045	2.89226	6 X
K13S83W	16.2	0.15	K161D	257.518	358.987	274.098	12.039	0.14207	2.68013	5 X
K13T00O	15.5	0.15	K161D	191.522	60.035	255.244	17.882	0.09941	3.09532	5 X
K13T52S	15.9	0.15	K161D	193.824	85.575	242.788	9.712	0.18341	3.09023	6 X
K13T66L	15.7	0.15	K161D	213.015	46.106	256.040	8.795	0.05290	3.18807	3 X
K14B02W	19.9	0.15	K161D	245.166	26.458	163.316	16.546	0.47762	1.88531	2 W
K14F41M	16.2	0.15	K161D	81.145	168.213	122.932	9.052	0.20413	2.78356	10 X
K14G27F	17.1	0.15	K161D	74.321	207.312	104.299	8.103	0.13168	2.32272	7 X
K14G30M	18.4	0.15	K161D	125.193	257.752	40.470	4.205	0.15967	2.15685	5 X
K14G49R	17.7	0.15	K161D	59.840	288.440	123.697	25.477	0.02784	1.83162	6 X
K14G52Y	18.6	0.15	K161D	359.472	24.940	54.693	22.983	0.05625	1.86072	3 X
K14H02E	18.3	0.15	K161D	131.855	221.485	70.029	3.181	0.15764	2.26104	4 X
K14H81X	17.6	0.15	K161D	61.031	275.404	74.655	5.986	0.26436	2.32055	5 X
K14H92Q	18.4	0.15	K161D	90.155	254.125	71.937	6.092	0.17366	2.25500	3 X
K14HD2Y	18.1	0.15	K161D	277.341	98.056	73.758	23.600	0.05962	1.90849	3 X
K14HH3B	17.4	0.15	K161D	45.742	184.051	154.255	8.532	0.19032	2.67891	4 X
K14HI0K	17.4	0.15	K161D	143.538	214.288	57.223	6.067	0.21817	2.29070	10 X
K14J05E	16.6	0.15	K161D	173.328	183.951	42.600	25.483	0.10986	2.26702	6 X
K14J23A	16.8	0.15	K161D	89.615	190.247	104.602	6.497	0.08432	2.66743	9 X
K14J31B	18.1	0.15	K161D	75.009	262.575	122.732	22.092	0.11395	1.89069	5 X
K14J38Z	17.3	0.15	K161D	40.667	159.734	217.988	23.076	0.16409	2.34693	2 X
K14J41X	16.9	0.15	K161D	69.245	211.746	91.374	7.075	0.18439	2.86177	6 X
K14J43S	16.0	0.15	K161D	331.270	237.973	151.841	6.738	0.09478	2.94047	10 X
K14J51P	18.0	0.15	K161D	112.295	109.013	188.391	1.166	0.19442	2.40076	7 X
K14J56A	18.1	0.15	K161D	128.859	250.038	71.470	23.679	0.05957	1.97193	5 X
K14J63Y	17.6	0.15	K161D	116.811	240.204	56.202	2.968	0.21010	2.38590	6 X
K14J64W	17.7	0.15	K161D	348.614	347.941	65.741	6.832	0.10043	2.29552	7 X
K14J69S	17.8	0.15	K161D	98.364	283.618	29.986	3.024	0.20684	2.42987	5 X
K14J70R	17.2	0.15	K161D	127.241	37.889	252.283	4.311	0.20443	2.34649	6 X
K14J73H	17.9	0.15	K161D	126.081	82.650	208.737	3.351	0.22218	2.39676	5 X
K14J74J	18.8	0.15	K161D	154.456	36.682	247.554	2.061	0.17007	2.14225	5 X
K14J75R	17.7	0.15	K161D	45.290	340.350	38.932	7.061	0.03731	2.16277	4 X
K14K12M	17.5	0.15	K161D	89.610	258.363	68.591	7.034	0.12672	2.38440	4 X
K14K43V	16.9	0.15	K161D	35.170	161.166	195.533	15.551	0.10924	2.67144	4 X
K14K49Q	17.9	0.15	K161D	101.653	208.438	105.872	2.421	0.13009	2.30790	8 X
K14K52B	16.7	0.15	K161D	133.119	223.690	60.057	13.648	0.21909	2.60375	4 X
K14K67B	17.6	0.15	K161D	127.036	207.581	82.595	8.972	0.21819	2.41288	4 X
K14K71K	16.9	0.15	K161D	15.141	195.361	181.518	5.974	0.18337	2.81319	3 X
K14K74T	16.6	0.15	K161D	60.389	249.920	93.889	14.004	0.18722	2.71908	6 X
K14K76H	19.3	0.15	K161D	6.418	220.533	226.221	19.727	0.08523	1.97172	2 X
K14K80O	17.8	0.15	K161D	119.258	246.026	53.802	7.426	0.12951	2.31388	5 X
K14K81Y	17.8	0.15	K161D	112.178	265.254	53.182	3.689	0.17460	2.30457	5 X
K14K82Q	18.3	0.15	K161D	108.746	75.006	232.143	3.069	0.17868	2.46272	6 X
K14K82X	17.6	0.15	K161D	49.990	321.229	49.424	6.925	0.13791	2.35432	3 X
K14K82Y	18.1	0.15	K161D	79.853	80.664	252.252	10.114	0.21768	2.55534	2 X
K14K90W	16.9	0.15	K161D	87.960	163.922	165.227	15.200	0.29332	2.66580	4 X
K14K94D	17.9	0.15	K161D	137.272	188.791	94.953	2.093	0.16338	2.36534	6 X
K14K99U	18.7	0.15	K161D	228.660	21.542	210.620	20.491	0.06993	1.95710	4 X
K14L11Y	17.2	0.15	K161D	108.785	56.102	242.571	3.555	0.19965	2.56748	6 X
K14L13E	17.7	0.15	K161D	129.525	30.935	258.976	5.696	0.10892	2.35865	7 X
K14L13Q	17.8	0.15	K161D	151.896	320.922	331.270	0.784	0.18356	2.39260	6 X
K14M02Q	16.7	0.15	K161D	76.807	167.292	171.668	16.698	0.26280	2.52249	3 X
K14M07B	17.0	0.15	K161D	114.331	38.008	253.737	15.623	0.20162	2.47751	6 X
K14M08U	16.7	0.15	K161D	196.459	54.879	182.390	14.374	0.07765	2.47982	8 X
K14M36X	16.5	0.15	K161D	77.736	257.823	78.518	4.404	0.15521	3.02752	7 X
K14M42B	18.5	0.15	K161D	347.554	9.920	120.493	25.094	0.07477	1.91998	6 X

K14M48Z	16.7	0.15	K161D	70.467	302.511	33.514	2.635	0.17319	3.09469	7 X
K14M50D	17.0	0.15	K161D	85.479	88.372	236.085	8.234	0.13620	2.97200	3 X
K14M51J	17.2	0.15	K161D	58.162	189.805	232.211	11.540	0.22086	2.37583	5 X
K14M57A	17.3	0.15	K161D	192.245	190.322	52.869	3.226	0.15279	2.38170	10 X
K14M58J	16.5	0.15	K161D	65.064	160.337	193.401	11.862	0.12838	3.03160	6 X
K14M69J	16.6	0.15	K161D	121.630	262.006	46.794	9.039	0.23067	2.52603	5 X
K14N02C	16.1	0.15	K161D	103.312	61.750	239.913	10.765	0.17607	3.16672	5 X
K14N02J	16.7	0.15	K161D	131.881	27.476	259.124	14.214	0.11894	2.85927	4 X
K14N11P	18.2	0.15	K161D	138.742	283.873	18.430	1.292	0.18200	2.39932	4 X
K14N17B	16.9	0.15	K161D	88.762	203.636	117.914	9.808	0.19606	2.58792	6 X
K14N19H	16.2	0.15	K161D	9.343	158.406	261.608	13.795	0.13581	3.14880	5 X
K14N20E	16.3	0.15	K161D	352.386	188.757	269.478	17.512	0.11840	2.63542	6 X
K14N24R	16.7	0.15	K161D	98.532	61.581	274.867	13.533	0.10932	2.59248	5 X
K14N35M	16.4	0.15	K161D	149.379	201.171	76.001	11.463	0.08966	2.75822	5 X
K14N36Z	17.2	0.15	K161D	144.858	352.561	296.374	12.821	0.20842	2.58927	3 X
K14N45N	16.2	0.15	K161D	33.581	186.625	202.512	11.597	0.05475	2.92409	9 X
K14N46D	17.7	0.15	K161D	61.449	187.654	215.902	7.038	0.18277	2.59819	4 X
K14N46X	16.0	0.15	K161D	352.252	197.605	238.997	15.293	0.19447	3.10040	4 X
K14N47C	16.8	0.15	K161D	39.579	218.484	170.626	17.009	0.19857	3.17771	4 X
K14N47Y	17.5	0.15	K161D	178.160	355.490	272.806	5.747	0.16299	2.30682	7 X
K14N54E	17.1	0.15	K161D	144.966	325.862	325.795	8.650	0.15085	2.57057	6 X
K14N54N	16.2	0.15	K161D	59.259	291.415	79.410	8.129	0.18844	3.07825	6 X
K14N57F	17.2	0.15	K161D	115.910	253.071	69.206	8.744	0.11667	2.74130	4 X
K14N62A	16.0	0.15	K161D	76.088	23.497	308.126	9.844	0.03797	2.81311	8 X
K14N62W	17.5	0.15	K161D	89.658	279.613	62.980	6.370	0.15509	2.64140	4 X
K14O00F	17.2	0.15	K161D	100.244	325.828	7.836	3.573	0.17065	2.62724	8 X
K14O03K	16.5	0.15	K161D	75.992	312.202	36.912	2.234	0.19087	2.98900	10 X
K14O06T	16.6	0.15	K161D	111.909	194.353	112.725	11.308	0.09553	2.74837	6 X
K14O14L	17.8	0.15	K161D	171.640	342.854	296.499	5.499	0.12034	2.27692	5 X
K14O17G	17.3	0.15	K161D	343.617	171.535	275.068	2.516	0.04394	2.60519	3 X
K14O19K	17.4	0.15	K161D	92.844	77.394	252.777	2.571	0.09757	2.76841	4 X
K14O19Q	17.7	0.15	K161D	168.305	39.245	221.707	1.052	0.16053	2.45750	7 X
K14O22G	17.1	0.15	K161D	96.491	51.483	278.856	3.693	0.02515	2.66896	5 X
K14O31D	17.8	0.15	K161D	52.898	69.662	320.674	4.114	0.08507	2.55261	7 X
K14O42Q	17.3	0.15	K161D	128.728	270.166	36.008	3.720	0.13533	2.57257	5 X
K14O43W	17.4	0.15	K161D	32.599	6.165	30.467	2.026	0.09882	2.74385	7 X
K14O47Q	17.2	0.15	K161D	64.878	15.109	332.873	4.291	0.12462	3.09605	3 X
K14O47V	16.6	0.15	K161D	8.885	292.317	125.559	10.767	0.21613	3.16247	4 X
K14O50E	17.3	0.15	K161D	78.178	260.937	84.364	3.259	0.07784	2.84875	4 X
K14O51W	17.0	0.15	K161D	10.695	295.920	120.100	10.287	0.07773	2.87561	6 X
K14O52J	18.4	0.15	K161D	218.562	221.606	13.217	1.639	0.10143	2.25719	3 X
K14O53E	17.6	0.15	K161D	158.370	322.801	306.093	2.701	0.05267	2.66604	3 X
K14O54Q	17.3	0.15	K161D	114.574	206.191	103.981	3.212	0.06037	2.78464	6 X
K14O59X	16.3	0.15	K161D	13.403	19.079	41.074	4.793	0.05750	2.76137	10 X
K14O64K	17.2	0.15	K161D	98.759	297.312	41.381	5.936	0.07661	2.71443	6 X
K14O66G	17.7	0.15	K161D	12.342	1.399	67.702	1.640	0.08271	2.63959	4 X
K14O71D	17.4	0.15	K161D	350.960	43.720	63.196	1.057	0.11330	2.53098	6 X
K14O73A	15.8	0.15	K161D	81.412	199.713	136.476	10.228	0.08207	3.03027	7 X
K14O78D	17.1	0.15	K161D	128.947	274.603	12.660	4.564	0.18184	2.65706	5 X
K14O92W	17.6	0.15	K161D	185.324	1.925	246.187	4.195	0.08426	2.47356	7 X
K14O92Y	17.8	0.15	K161D	171.054	6.872	272.722	6.217	0.11915	2.30705	5 X
K14O97Q	17.5	0.15	K161D	228.967	128.759	151.610	23.691	0.05570	1.99145	3 X
K14OA2E	16.1	0.15	K161D	288.458	352.755	152.109	12.940	0.05653	3.14640	4 X
K14OB3K	16.8	0.15	K161D	37.551	259.108	118.085	11.530	0.11118	2.98591	5 X
K14OB8F	17.2	0.15	K161D	32.077	72.588	324.898	3.753	0.22157	2.99879	3 X
K14OC3O	17.8	0.15	K161D	51.449	21.017	9.381	4.787	0.10141	2.63615	5 X
K14OC4J	16.7	0.15	K161D	34.190	265.500	124.252	26.433	0.26019	3.21598	3 X
K14OD0L	18.4	0.15	K161D	75.474	109.966	239.481	3.295	0.11754	2.77435	2 X

K14OD2Q	17.6	0.15	K161D	184.537	248.542	353.583	1.662	0.13762	2.43850	8 X
K14OD6X	17.5	0.15	K161D	21.769	280.652	132.425	2.825	0.13030	2.72551	2 X
K14OD8Z	17.5	0.15	K161D	220.402	334.033	242.418	2.456	0.07952	2.39794	6 X
K14OD9C	17.8	0.15	K161D	36.542	121.312	271.207	2.369	0.10118	2.77969	3 X
K14OD9E	18.1	0.15	K161D	216.746	337.065	242.870	1.505	0.12058	2.34958	6 X
K14OD9W	18.5	0.15	K161D	154.066	150.329	132.738	2.062	0.17519	2.43295	2 X
K14OE1D	16.9	0.15	K161D	51.383	249.278	116.828	10.495	0.11891	3.03105	6 X
K14OE4S	17.6	0.15	K161D	353.975	270.178	194.276	1.101	0.14078	2.39472	9 X
K14OE8Y	17.5	0.15	K161D	1.104	282.007	141.658	6.634	0.05021	2.70641	4 X
K14OF1F	17.8	0.15	K161D	156.514	284.902	3.978	5.622	0.16890	2.32727	4 X
K14OF4R	17.6	0.15	K161D	57.537	283.332	82.643	7.307	0.07773	2.77825	3 X
K14OF7O	17.0	0.15	K161D	119.828	250.183	67.566	5.949	0.17419	2.52579	9 X
K14OG0J	16.8	0.15	K161D	359.565	1.327	70.048	8.297	0.08425	2.68990	3 X
K14OG1F	17.5	0.15	K161D	25.067	3.894	50.328	7.283	0.13965	2.68583	3 X
K14OH0P	17.3	0.15	K161D	101.302	276.324	43.609	5.022	0.06019	2.78522	4 X
K14OH2W	17.8	0.15	K161D	44.028	36.683	359.346	6.025	0.08454	2.65385	4 X
K14OH2Z	16.5	0.15	K161D	16.763	298.714	106.290	13.153	0.16630	3.18033	3 X
K14OI0D	16.6	0.15	K161D	121.678	176.697	126.418	12.973	0.03779	2.91399	6 X
K14OI0H	17.4	0.15	K161D	79.776	304.993	63.354	3.730	0.04565	2.60580	5 X
K14OI0S	16.2	0.15	K161D	95.095	205.439	110.653	11.862	0.09703	3.23666	5 X
K14OI5U	16.6	0.15	K161D	52.843	262.500	101.666	12.110	0.08124	3.19578	4 X
K14OJ8L	17.0	0.15	K161D	124.007	167.987	177.778	13.651	0.14644	2.58647	3 X
K14OK0Q	18.2	0.15	K161D	72.410	302.722	52.960	4.870	0.10912	2.70249	2 X
K14OK1W	17.3	0.15	K161D	79.196	158.501	181.183	1.797	0.06338	2.89422	4 X
K14OK2V	17.3	0.15	K161D	145.095	194.541	85.314	4.115	0.07530	2.67927	3 X
K14OK4F	17.2	0.15	K161D	348.352	15.207	75.003	5.042	0.08664	2.64395	3 X
K14OK4S	17.3	0.15	K161D	97.982	318.861	15.386	4.177	0.10832	2.81635	6 X
K14OK8C	16.7	0.15	K161D	76.908	212.926	117.179	1.942	0.16351	3.09896	5 X
K14OL7Q	17.3	0.15	K161D	67.807	290.665	76.366	9.098	0.13404	2.69033	4 X
K14OM0L	16.9	0.15	K161D	89.178	257.756	77.851	7.367	0.07945	2.75526	6 X
K14OM2X	17.4	0.15	K161D	93.729	279.506	60.057	5.729	0.17088	2.73009	4 X
K14OM8K	16.5	0.15	K161D	123.575	352.355	305.350	6.132	0.27308	3.10567	5 X
K14ON4G	17.7	0.15	K161D	93.956	304.357	35.876	4.615	0.11962	2.72800	5 X
K14OOR	17.5	0.15	K161D	105.816	301.263	29.643	1.548	0.10514	2.61468	6 X
K14OO1B	16.6	0.15	K161D	34.632	215.839	151.809	2.232	0.30863	3.96254	4 X
K14OQQJ	17.9	0.15	K161D	224.309	191.176	39.802	5.723	0.09246	2.25383	3 X
K14OR4D	16.4	0.15	K161D	68.505	314.685	43.106	7.310	0.19583	2.99586	6 X
K14OT4F	17.3	0.15	K161D	111.024	176.287	178.485	9.423	0.18063	2.68408	5 X
K14OU2Z	18.5	0.15	K161D	51.686	281.620	109.745	3.201	0.10363	2.58915	2 X
K14OV6Y	17.8	0.15	K161D	130.851	323.271	337.677	1.666	0.19753	2.62873	7 X
K14OW5S	16.8	0.15	K161D	68.591	245.374	100.707	2.955	0.13716	3.05741	4 X
K14OX4F	16.7	0.15	K161D	158.891	11.811	270.108	13.871	0.18461	2.46022	4 X
K14OY1A	16.1	0.15	K161D	75.972	215.754	117.430	10.269	0.10638	3.20021	3 X
K14OY1S	17.2	0.15	K161D	86.218	37.116	320.432	5.620	0.03571	2.56497	7 X
K14OY2J	17.1	0.15	K161D	104.503	267.956	46.222	3.904	0.10425	2.96084	3 X
K14OY4E	16.2	0.15	K161D	91.640	96.570	303.512	23.305	0.21045	2.28376	6 X
K14OZ8N	17.5	0.15	K161D	39.729	269.088	161.568	14.385	0.08455	2.61152	3 X
K14Ob4Y	16.3	0.15	K161D	27.284	273.776	123.812	11.324	0.10023	2.99973	4 X
K14Oc0Z	16.5	0.15	K161D	78.007	185.151	144.123	10.051	0.13358	3.09285	8 X
K14Oc5G	17.2	0.15	K161D	148.806	20.306	254.781	4.327	0.15526	2.57185	5 X
K14Oc6A	16.9	0.15	K161D	78.708	71.010	276.037	3.291	0.08166	2.80303	6 X
K14P02G	16.8	0.15	K161D	59.871	300.145	53.757	1.934	0.18523	3.15726	4 X
K14P02N	17.3	0.15	K161D	71.168	133.562	214.236	1.309	0.09163	2.92797	6 X
K14P05W	16.7	0.15	K161D	118.010	35.987	274.832	11.045	0.19119	2.64097	5 X
K14P06G	17.4	0.15	K161D	95.281	64.044	280.327	10.045	0.06482	2.57901	5 X
K14P07Z	17.1	0.15	K161D	159.999	124.907	139.060	13.793	0.15798	2.57588	5 X
K14P12C	17.2	0.15	K161D	103.211	281.322	29.154	0.774	0.16805	3.09302	5 X
K14P16N	16.7	0.15	K161D	130.506	144.325	145.538	10.261	0.06498	3.00275	3 X

K14P22G	17.1	0.15	K161D	164.223	105.367	160.679	2.293	0.02936	2.86327	8 X
K14P24Z	17.5	0.15	K161D	186.845	286.819	337.605	5.665	0.07718	2.46565	6 X
K14P26R	17.0	0.15	K161D	94.365	326.036	14.535	6.092	0.10245	2.89467	3 X
K14P26S	17.7	0.15	K161D	186.205	211.153	52.311	4.272	0.19092	2.36343	3 X
K14P33H	16.7	0.15	K161D	52.002	334.356	53.990	3.613	0.10960	2.99132	5 X
K14P35U	16.7	0.15	K161D	20.957	269.260	131.020	9.302	0.03251	3.11738	6 X
K14P40S	16.4	0.15	K161D	309.756	327.093	160.309	11.254	0.05632	3.06299	3 X
K14P45E	16.3	0.15	K161D	15.624	284.683	135.592	16.881	0.20185	3.21801	3 X
K14P45O	18.1	0.15	K161D	232.191	267.191	317.449	6.280	0.09780	2.31659	5 X
K14P46S	16.6	0.15	K161D	101.537	304.588	5.671	4.680	0.12370	3.18956	4 X
K14P54H	16.1	0.15	K161D	56.675	267.830	135.230	26.486	0.22386	3.18301	4 X
K14P57A	16.6	0.15	K161D	27.254	310.928	136.807	29.792	0.06942	2.61055	4 X
K14P59O	16.3	0.15	K161D	120.815	134.605	169.775	20.978	0.29212	2.77871	6 X
K14P66E	17.5	0.15	K161D	81.774	128.509	227.696	1.622	0.08535	2.74097	2 X
K14P66J	16.3	0.15	K161D	74.078	65.244	300.789	11.587	0.10029	2.73363	3 X
K14P69C	16.8	0.15	K161D	68.450	55.920	302.302	4.144	0.17439	3.01383	5 X
K14Q01S	15.9	0.15	K161D	136.916	27.489	261.955	8.334	0.07112	3.15080	7 X
K14Q05G	17.4	0.15	K161D	80.739	191.413	197.803	14.488	0.25529	2.52516	4 X
K14Q12B	17.2	0.15	K161D	103.965	148.170	194.608	13.360	0.27165	2.69762	6 X
K14Q15J	15.7	0.15	K161D	26.747	155.905	259.158	11.424	0.18940	3.10046	5 X
K14Q23S	16.7	0.15	K161D	98.636	44.618	288.939	6.764	0.12255	3.06887	3 X
K14Q23U	16.7	0.15	K161D	88.558	42.482	300.315	8.126	0.13405	3.13921	3 X
K14Q28N	16.8	0.15	K161D	74.990	196.096	172.936	16.076	0.26536	3.18034	4 X
K14Q35D	17.1	0.15	K161D	57.916	150.912	216.370	5.388	0.07825	2.86775	4 X
K14Q40R	16.9	0.15	K161D	161.434	334.967	310.169	5.196	0.07153	2.75234	3 X
K14Q41V	16.5	0.15	K161D	119.655	46.673	253.673	8.501	0.07762	3.03208	3 X
K14Q46X	16.8	0.15	K161D	62.122	137.637	215.689	4.544	0.14261	3.09685	4 X
K14Q55S	16.7	0.15	K161D	64.821	64.681	290.338	11.478	0.22390	3.19045	3 X
K14Q66G	17.8	0.15	K161D	144.822	345.783	307.952	9.511	0.09792	2.54080	3 X
K14Q72Y	16.1	0.15	K161D	75.539	184.046	162.303	19.537	0.24304	3.14053	6 X
K14QB7N	18.0	0.15	K161D	202.948	308.884	304.677	1.605	0.18096	2.36254	5 X
K14QC0E	17.3	0.15	K161D	70.072	13.000	351.702	1.913	0.12584	3.14140	5 X
K14QD9Y	17.8	0.15	K161D	62.559	256.008	155.638	14.836	0.07092	2.56623	4 X
K14QE9O	17.0	0.15	K161D	56.493	70.347	311.089	4.200	0.06545	3.12665	7 X
K14QG9D	17.9	0.15	K161D	290.071	299.981	273.464	17.097	0.04231	1.93157	4 X
K14QH2V	17.0	0.15	K161D	153.419	315.797	337.486	5.271	0.01129	2.81482	3 X
K14QH4C	16.2	0.15	K161D	59.605	197.703	166.622	10.469	0.05914	3.49908	3 X
K14QH9B	16.5	0.15	K161D	77.169	232.733	146.583	16.741	0.20908	2.98807	3 X
K14QJ4S	16.0	0.15	K161D	87.614	55.281	283.882	6.944	0.17819	3.10127	4 X
K14QK4O	17.2	0.15	K161D	91.050	32.482	319.660	5.456	0.07816	2.81016	3 X
K14QK7T	16.5	0.15	K161D	177.138	356.465	250.984	2.357	0.04910	3.07485	8 X
K14QM5E	16.2	0.15	K161D	88.816	165.839	167.576	16.150	0.22992	3.18282	3 X
K14QN3P	17.2	0.15	K161D	153.007	274.192	20.540	4.532	0.04509	2.75832	7 X
K14QN6B	17.0	0.15	K161D	99.373	278.832	53.761	1.763	0.17371	3.12227	3 X
K14QN9P	17.0	0.15	K161D	79.570	26.247	330.202	7.175	0.12690	3.08328	3 X
K14QO4V	16.9	0.15	K161D	95.290	251.917	92.083	9.557	0.07653	3.05400	2 X
K14QP2W	16.6	0.15	K161D	119.461	280.287	35.198	10.547	0.09054	3.16470	3 X
K14QP3Y	15.7	0.15	K161D	18.818	328.593	98.725	10.317	0.02931	3.15974	4 X
K14QP5L	15.9	0.15	K161D	8.869	4.378	74.591	9.946	0.02880	3.17381	9 X
K14QQ0K	16.8	0.15	K161D	61.837	330.792	50.370	11.074	0.08351	3.17468	3 X
K14QQ7B	16.6	0.15	K161D	103.555	42.682	286.634	8.468	0.08812	3.11193	4 X
K14QR8D	17.1	0.15	K161D	61.487	234.373	125.068	2.055	0.16292	3.18538	2 X
K14QR9M	16.4	0.15	K161D	10.584	281.275	131.743	12.177	0.08229	3.13532	3 X
K14QT0H	16.2	0.15	K161D	96.159	280.046	61.519	11.498	0.12315	3.05041	4 X
K14QT8U	16.8	0.15	K161D	39.241	188.561	196.364	1.207	0.05383	3.14167	4 X
K14QU0P	16.2	0.15	K161D	235.009	108.940	92.699	2.710	0.10463	3.18264	4 X
K14QU1B	16.1	0.15	K161D	183.318	230.309	37.573	6.193	0.03515	2.87453	4 X
K14QU1Q	17.4	0.15	K161D	175.156	215.560	49.946	4.975	0.25906	2.66266	4 X

K14QU3W	16.7	0.15	K161D	295.572	350.981	150.679	11.282	0.07632	3.06136	5 X
K14QV9W	16.7	0.15	K161D	66.571	301.216	61.641	3.805	0.03598	2.94723	8 X
K14QX6N	15.7	0.15	K161D	355.091	296.033	159.649	21.039	0.06072	3.12079	7 X
K14QY9A	17.1	0.15	K161D	115.028	331.947	348.572	1.142	0.14523	3.07360	6 X
K14Qa2X	16.3	0.15	K161D	117.208	46.431	249.673	30.959	0.19634	2.59081	2 X
K14Qa5Q	16.4	0.15	K161D	140.558	101.078	180.337	10.459	0.12047	3.03123	3 X
K14Qb0M	17.1	0.15	K161D	194.547	197.198	55.934	4.282	0.12893	2.70086	8 X
K14Qb4W	16.8	0.15	K161D	122.823	357.723	310.871	3.869	0.21175	3.01807	4 X
K14Qf4Q	17.2	0.15	K161D	0.917	74.203	15.259	3.244	0.05927	2.75629	6 X
K14Qg8M	16.7	0.15	K161D	75.628	61.270	302.058	9.437	0.06343	3.05814	4 X
K14R00H	14.1	0.15	K161D	64.450	69.575	284.593	22.777	0.25949	3.97051	4 X
K14R00P	15.5	0.15	K161D	63.153	143.626	257.434	16.719	0.34314	3.20773	3 X
K14R35O	16.0	0.15	K161D	44.799	356.350	46.489	10.164	0.04753	2.97410	3 X
K14S31D	16.3	0.15	K161D	93.535	319.749	24.072	9.419	0.08221	3.16652	6 X
K14S43G	16.2	0.15	K161D	278.892	34.179	126.662	11.986	0.03860	3.16309	2 X
K14S65E	17.6	0.15	K161D	128.687	282.521	31.541	3.516	0.07622	2.67514	7 X
K14S88D	17.5	0.15	K161D	242.195	351.472	226.822	4.318	0.15626	2.63229	3 W
K14S97C	17.2	0.15	K161D	213.361	246.721	359.148	5.924	0.14829	2.59095	6 X
K14SB7S	16.7	0.15	K161D	194.150	247.383	8.179	3.255	0.10854	2.99733	7 X
K14SD0P	16.5	0.15	K161D	127.282	278.164	37.548	3.410	0.05549	3.18781	5 X
K14SF4H	17.1	0.15	K161D	341.373	312.461	216.928	7.318	0.04280	2.30723	5 X
K14SF8P	16.7	0.15	K161D	42.414	259.050	190.089	8.922	0.24292	3.06641	4 X
K14SG6R	17.5	0.15	K161D	118.118	139.388	241.773	5.447	0.14148	2.39273	5 X
K14SK7T	16.8	0.15	K161D	204.593	83.673	202.005	13.001	0.18474	2.71415	3 X
K14SK8C	16.4	0.15	K161D	69.371	233.148	197.446	13.936	0.14120	3.02574	3 X
K14SL2M	15.8	0.15	K161D	91.296	196.571	196.317	18.682	0.15778	3.23039	4 X
K14SM0Y	16.4	0.15	K161D	162.730	352.326	289.543	10.740	0.16282	2.59735	7 X
K14SM3M	16.6	0.15	K161D	132.377	240.476	53.450	7.750	0.30869	2.84090	5 X
K14SU8Z	16.2	0.15	K161D	62.643	207.637	221.038	11.623	0.12727	3.09097	3 X
K14SW6K	16.3	0.15	K161D	87.066	194.484	182.242	10.774	0.13696	3.18130	5 X
K14SW6P	15.9	0.15	K161D	93.455	189.824	185.752	10.608	0.09044	3.08614	3 X
K14T11P	16.2	0.15	K161D	306.691	321.994	216.547	12.087	0.08817	2.79745	3 X
K14T29W	16.8	0.15	K161D	93.741	234.452	168.077	13.427	0.18289	2.71935	7 X
K14T44A	16.6	0.15	K161D	325.526	335.466	209.559	13.340	0.06684	2.55535	4 X
K14T44F	15.9	0.15	K161D	311.875	322.980	213.556	11.472	0.10762	3.08835	3 X
K14T60J	17.1	0.15	K161D	54.792	211.482	215.394	12.021	0.22250	3.17664	3 X
K14T65H	15.9	0.15	K161D	117.941	135.421	215.723	13.238	0.09288	3.02016	3 X
K14T69U	16.4	0.15	K161D	79.289	208.012	206.922	9.750	0.09672	2.97856	7 X
K14T73O	16.2	0.15	K161D	27.310	268.820	202.977	12.603	0.09907	3.00997	3 X
K14T75F	16.6	0.15	K161D	292.101	11.000	206.884	12.578	0.06017	2.72073	4 X
K14U01F	16.0	0.15	K161D	249.419	37.454	205.621	9.021	0.10788	3.08437	3 X
K14U03S	16.8	0.15	K161D	152.281	110.497	204.683	10.505	0.19812	2.66127	4 X
K14U18L	16.1	0.15	K161D	48.648	227.721	219.334	9.345	0.18956	3.14905	6 X
K14U21M	16.0	0.15	K161D	137.640	115.202	249.008	10.274	0.29503	2.58390	6 X
K14U25L	15.7	0.15	K161D	70.633	222.031	213.488	9.843	0.07762	2.99586	3 X
K14U28O	16.8	0.15	K161D	98.791	157.212	254.625	5.080	0.03086	2.76896	3 X
K14U28R	15.8	0.15	K161D	203.870	42.513	242.276	15.872	0.07263	3.16221	5 X
K14U42E	16.5	0.15	K161D	72.325	200.019	230.526	9.085	0.10625	2.98064	3 X
K14U48K	15.8	0.15	K161D	151.205	110.516	212.524	9.543	0.01263	3.09227	3 X
K14U52B	16.1	0.15	K161D	42.472	215.334	229.988	8.296	0.23048	3.17595	3 X
K14U59P	16.0	0.15	K161D	89.682	183.858	193.865	12.806	0.15750	3.12703	6 X
K14U79X	16.4	0.15	K161D	41.642	235.503	211.044	10.509	0.15148	3.04455	3 X
K14U85S	15.8	0.15	K161D	168.745	73.699	232.813	14.885	0.16933	3.05830	3 X
K14U92Y	17.0	0.15	K161D	42.260	247.040	220.939	7.847	0.05432	2.80101	3 X
K14UA6S	16.8	0.15	K161D	33.813	256.576	199.508	16.042	0.21335	3.11247	3 X
K14UC1P	16.7	0.15	K161D	61.194	130.900	295.475	8.870	0.25338	3.09071	3 X
K14UC4W	16.3	0.15	K161D	291.400	336.349	239.617	13.893	0.05846	2.45951	5 X
K14UC9T	17.2	0.15	K161D	52.025	206.959	245.074	4.965	0.09954	2.69359	3 X

K14UD2V	16.7	0.15	K161D	42.980	248.217	205.964	12.191	0.04536	2.81010	3 X
K14UD4H	16.3	0.15	K161D	122.849	109.761	241.189	9.495	0.12738	3.10434	5 X
K14UF3N	15.9	0.15	K161D	114.628	173.139	178.183	11.472	0.07821	3.04586	4 X
K14UF5R	16.8	0.15	K161D	115.632	192.324	179.498	13.611	0.19113	2.61712	5 X
K14UF6Q	16.3	0.15	K161D	54.629	193.022	259.950	8.583	0.06244	2.98040	6 X
K14UG9J	16.2	0.15	K161D	164.268	66.091	245.663	14.504	0.12993	3.13934	3 X
K14UJ4F	16.1	0.15	K161D	76.853	189.416	220.976	15.740	0.12218	3.03990	3 X
K14UJ0M	16.7	0.15	K161D	62.483	243.969	183.442	12.665	0.17463	3.20374	3 X
K14UK4G	16.2	0.15	K161D	71.365	168.354	269.591	11.635	0.09762	2.77949	7 X
K14UL9F	16.9	0.15	K161D	101.821	117.644	270.965	11.164	0.20443	2.67581	6 X
K14V03H	16.7	0.15	K161D	67.649	135.605	296.226	8.873	0.12915	2.71429	6 X
K14V03P	16.5	0.15	K161D	86.789	140.051	267.178	11.885	0.14977	2.67053	6 X
K14V21L	15.9	0.15	K161D	39.401	234.545	227.679	9.775	0.05103	3.09074	3 X
K14V23H	16.4	0.15	K161D	256.944	17.576	247.218	10.824	0.03367	2.61165	7 X
K14V23P	16.3	0.15	K161D	319.098	318.097	240.663	10.181	0.13856	2.97450	4 X
K14V25V	16.2	0.15	K161D	114.443	116.685	248.966	14.829	0.25125	3.09610	4 X
K14W22M	16.3	0.15	K161D	5.066	263.401	238.037	8.577	0.18893	3.15227	6 X
K14W22T	16.4	0.15	K161D	6.544	261.135	235.256	10.710	0.14651	3.13703	6 X
K14W45F	16.2	0.15	K161D	155.950	92.152	228.967	9.476	0.15534	3.15399	6 X
K14W66H	16.8	0.15	K161D	67.131	198.310	217.099	10.129	0.20457	3.15483	3 X
K14W67P	16.5	0.15	K161D	45.871	204.435	257.920	8.171	0.09502	2.85111	3 X
K14W67X	16.9	0.15	K161D	143.912	159.722	209.026	5.352	0.04570	2.71774	8 X
K14WA5B	16.5	0.15	K161D	164.507	240.896	41.093	4.165	0.18545	2.97636	3 X
K14WB2Y	15.8	0.15	K161D	119.759	41.931	274.073	9.954	0.14377	3.10967	7 X
K14WB6O	17.6	0.15	K161D	28.211	289.028	194.291	6.668	0.05629	2.38465	3 X
K14WB7P	16.1	0.15	K161D	62.436	176.823	266.052	10.585	0.08665	3.13135	4 X
K14WC3P	16.7	0.15	K161D	1.992	319.285	194.158	5.712	0.17575	3.12232	4 X
K14WD2D	16.8	0.15	K161D	59.024	200.505	252.300	5.530	0.01263	2.78892	5 X
K14WD6B	17.5	0.15	K161D	223.797	63.027	237.491	4.386	0.14001	2.33797	7 X
K14WD9W	16.7	0.15	K161D	349.054	275.613	243.183	10.731	0.07125	3.17660	3 X
K14WF9T	16.7	0.15	K161D	337.822	337.224	199.733	13.156	0.08991	2.71857	3 X
K14WG0J	16.5	0.15	K161D	45.396	255.227	195.605	10.999	0.07381	3.18187	3 X
K14WG2Q	15.9	0.15	K161D	345.984	268.963	256.617	10.137	0.11949	2.99757	4 X
K14WG4V	17.1	0.15	K161D	129.019	116.241	254.112	12.556	0.18785	2.59795	4 X
K14WJ3P	16.6	0.15	K161D	19.646	267.942	208.806	14.963	0.21853	3.15923	3 X
K14WM4F	16.6	0.15	K161D	337.317	310.595	234.967	6.952	0.14294	2.77323	3 X
K14WO3C	16.2	0.15	K161D	156.997	11.634	274.023	11.359	0.11345	2.73011	7 X
K14WR7R	16.6	0.15	K161D	89.655	238.106	182.753	9.364	0.05764	2.90307	7 X
K14WW2A	16.3	0.15	K161D	64.294	225.885	199.237	15.552	0.09518	3.08462	9 X
K14WX6O	16.3	0.15	K161D	44.049	253.226	197.874	15.515	0.08976	3.24454	3 X
K14Wa0X	16.2	0.15	K161D	61.720	153.705	264.017	16.186	0.19036	3.13792	3 X
K14Wa6Z	16.2	0.15	K161D	68.712	134.248	284.299	21.277	0.14013	2.69368	3 X
K14Wh7O	16.4	0.15	K161D	35.262	201.376	270.598	5.928	0.13975	3.15905	3 X
K14Wk4E	15.9	0.15	K161D	74.825	195.145	233.954	9.341	0.09470	3.07116	7 X
K14WI0X	15.5	0.15	K161D	27.846	211.099	263.409	16.040	0.00692	3.19062	3 X
K14X04L	16.3	0.15	K161D	325.839	291.996	260.276	8.326	0.07449	2.63125	6 X
K14X17F	16.3	0.15	K161D	21.484	224.912	265.054	9.359	0.06733	3.17078	5 X
K14Y19P	15.9	0.15	K161D	344.714	260.366	278.091	11.916	0.06603	2.93806	5 X
K14Y24F	16.4	0.15	K161D	102.130	108.146	295.630	8.977	0.08321	3.03984	5 X
K14Y30C	16.0	0.15	K161D	132.564	125.214	242.859	9.182	0.04216	3.08844	3 X
K15B92A	20.0	0.15	K161D	146.682	181.311	116.666	17.324	0.56415	1.13141	3 X
K15BA8E	16.2	0.15	K161D	284.001	329.586	262.978	15.534	0.05692	3.12144	5 X
K15BB3B	16.4	0.15	K161D	306.275	149.831	91.038	16.022	0.10300	3.12965	3 X
K15BB9T	17.2	0.15	K161D	170.277	276.363	124.060	11.012	0.11078	2.71295	3 X
K15BH1V	17.1	0.15	K161D	161.737	275.904	129.786	6.876	0.02815	2.70262	5 X
K15FX2P	17.2	0.15	K161D	22.204	173.200	126.930	36.506	0.67930	2.85296	2 X
K15N10A	20.6	0.15	K161D	31.386	108.018	233.675	6.975	0.47645	2.51024	2 W
K15N13S	20.1	0.15	K161D	37.879	109.969	307.071	15.206	0.41909	1.48749	2 X

K15O76D	16.3	0.15	K161D	58.033	150.984	164.367	9.323	0.19396	2.59361	13	X
K15O77U	17.2	0.15	K161D	59.099	160.366	151.060	4.089	0.21558	2.67977	6	X
K15P54Y	18.2	0.15	K161D	26.484	246.567	121.164	6.472	0.25944	2.29772	5	X
K15PU7Z	18.3	0.15	K161D	34.100	219.425	138.934	3.450	0.23635	2.26534	4	X
K15Q10V	16.0	0.15	K161D	220.657	319.151	248.776	13.596	0.02613	2.64088	8	X
K15R31F	16.2	0.15	K161D	20.223	359.409	26.408	18.143	0.24850	3.13057	3	X
K15R65X	16.0	0.15	K161D	317.493	266.291	173.789	15.915	0.12416	3.09854	2	X
K15R83C	16.6	0.15	K161D	49.430	104.339	264.955	11.352	0.29739	2.54562	6	X
K15R89Y	16.2	0.15	K161D	357.186	211.985	197.862	14.660	0.26469	3.19808	5	X
K15RA2A	16.2	0.15	K161D	6.146	214.316	175.633	6.287	0.18221	3.17341	7	X
K15RA7M	18.0	0.15	K161D	30.729	239.060	123.386	3.376	0.24019	2.41816	4	X
K15RA7Y	15.7	0.15	K161D	349.821	240.802	172.078	11.574	0.29861	3.95756	4	X
K15RA9J	16.7	0.15	K161D	44.640	336.429	6.963	9.103	0.26822	2.99854	4	X
K15RB5S	17.8	0.15	K161D	57.145	265.771	60.548	8.311	0.20848	2.27279	4	X
K15RE5J	16.6	0.15	K161D	36.898	201.827	136.978	5.748	0.16353	2.76985	8	X
K15RJ2T	16.5	0.15	K161D	7.293	220.157	168.763	8.621	0.23310	3.17542	3	X
K15RN4C	16.7	0.15	K161D	76.664	150.725	173.095	12.867	0.11413	3.03461	4	X
K15RN4K	15.9	0.15	K161D	9.628	252.792	150.999	11.209	0.05883	3.06117	7	X
K15RN5J	16.1	0.15	K161D	37.885	231.488	135.971	11.784	0.10316	3.10819	6	X
K15RN6D	15.9	0.15	K161D	102.039	141.518	171.010	15.932	0.01597	3.08905	8	X
K15RN8R	17.3	0.15	K161D	8.458	312.244	104.121	10.770	0.22206	2.78975	2	X
K15RN9V	16.3	0.15	K161D	23.649	309.309	86.787	15.448	0.12992	2.63559	6	X
K15RO2Q	16.6	0.15	K161D	228.268	82.706	118.576	13.041	0.09704	2.73601	3	X
K15S17V	17.7	0.15	K161D	36.779	186.191	155.757	6.959	0.28320	2.59399	2	X
K15S18P	16.8	0.15	K161D	15.766	277.625	100.751	4.955	0.10175	2.75053	8	X
K15T00S	17.4	0.15	K161D	9.578	286.577	102.278	3.591	0.16508	2.29267	6	X
K15T17X	17.7	0.15	K161D	44.882	235.967	95.899	14.359	0.27645	2.65294	2	X
K15T18D	17.2	0.15	K161D	4.376	311.819	88.281	16.767	0.19410	2.60215	4	X
K15T24U	17.1	0.15	K161D	17.727	318.942	54.271	17.698	0.37464	2.71204	3	X
K15T26G	18.1	0.15	K161D	21.723	181.384	190.946	7.490	0.09827	2.37995	3	X
K15T62D	16.1	0.15	K161D	53.285	263.511	62.832	10.626	0.15143	2.97604	4	X
K15T67O	17.9	0.15	K161D	64.359	331.758	4.676	5.901	0.24070	2.14302	5	X
K15T70Y	17.1	0.15	K161D	39.249	341.063	22.350	10.048	0.26408	2.79970	3	X
K15T77W	16.2	0.15	K161D	349.123	39.536	43.639	9.509	0.20397	2.99432	6	X
K15T78B	17.6	0.15	K161D	7.041	39.023	22.644	4.425	0.23113	2.60129	3	X
K15T79U	17.8	0.15	K161D	4.860	69.171	354.452	3.059	0.19311	2.61277	7	X
K15T80B	16.8	0.15	K161D	69.523	73.755	262.102	2.565	0.16163	2.70915	2	X
K15T83C	17.3	0.15	K161D	24.150	0.302	39.480	6.390	0.11933	2.55877	4	X
K15T87S	17.5	0.15	K161D	29.432	345.950	47.224	8.246	0.20141	2.38031	3	X
K15T88Q	17.3	0.15	K161D	50.066	180.294	188.505	1.796	0.08250	2.87137	7	X
K15T89N	18.2	0.15	K161D	1.692	52.406	21.225	4.996	0.17143	2.36909	5	X
K15T90B	16.4	0.15	K161D	66.199	111.573	244.286	5.274	0.04530	2.70216	8	X
K15T90Q	16.2	0.15	K161D	85.970	290.804	37.628	11.357	0.09753	2.98221	2	X
K15T93Q	15.9	0.15	K161D	29.310	151.371	238.779	10.506	0.12032	3.06824	6	X
K15T98H	17.1	0.15	K161D	22.576	334.200	67.642	7.749	0.06677	2.78190	2	X
K15T99P	16.9	0.15	K161D	26.961	11.873	15.243	4.869	0.27690	2.60188	5	X
K15TA1R	16.7	0.15	K161D	96.069	101.202	204.148	13.140	0.22359	2.70840	5	X
K15TA2H	16.2	0.15	K161D	350.774	234.698	212.361	18.147	0.21409	3.14420	6	X
K15TA3G	17.1	0.15	K161D	39.186	193.828	178.145	9.940	0.23144	2.72135	6	X
K15TA4A	17.5	0.15	K161D	62.858	194.513	147.836	7.670	0.24008	2.36207	5	X
K15TA4F	16.0	0.15	K161D	307.624	307.027	189.182	13.446	0.14902	3.01587	2	X
K15TA4O	16.7	0.15	K161D	3.871	250.979	174.329	9.714	0.08281	2.98988	4	X
K15TA4S	16.0	0.15	K161D	149.192	88.560	187.279	12.007	0.02662	3.37629	2	X
K15TA5A	16.3	0.15	K161D	51.620	223.591	134.777	8.898	0.19162	3.12707	2	X
K15TA5Y	16.9	0.15	K161D	21.681	334.027	66.009	17.921	0.24801	2.87307	2	X
K15TA6N	17.4	0.15	K161D	334.651	257.333	206.115	14.888	0.09626	2.54465	2	X
K15TA8P	17.1	0.15	K161D	341.531	286.185	177.076	9.140	0.16596	2.80166	5	X
K15TA9G	17.9	0.15	K161D	58.299	213.941	152.267	7.554	0.12983	2.27937	4	X

K15TA9H	17.7	0.15	K161D	36.499	245.915	144.577	7.190	0.15019	2.43805	5 X
K15TB0A	17.5	0.15	K161D	144.378	228.308	61.827	22.649	0.05067	1.95833	6 X
K15TB0Y	18.0	0.15	K161D	61.488	140.946	208.788	13.589	0.22381	2.62908	4 X
K15TB1C	16.5	0.15	K161D	26.550	322.032	78.962	11.672	0.14183	2.87942	7 X
K15TB1F	17.8	0.15	K161D	7.876	327.563	103.104	5.541	0.20119	2.54033	4 X
K15TB2O	17.3	0.15	K161D	104.229	249.055	68.587	23.619	0.14245	2.33015	4 X
K15TB2R	17.5	0.15	K161D	33.073	310.802	74.537	13.824	0.27750	2.61684	3 X
K15TB3D	16.7	0.15	K161D	75.454	175.568	147.854	9.389	0.30527	2.54931	7 X
K15TB4E	17.5	0.15	K161D	349.473	251.166	196.825	11.402	0.15280	2.59898	3 X
K15TB4Q	17.1	0.15	K161D	69.014	263.826	75.034	9.800	0.18341	3.02075	2 X
K15TB7E	15.6	0.15	K161D	0.003	263.599	178.975	16.002	0.05579	3.19939	5 X
K15TC0G	16.6	0.15	K161D	22.330	249.579	169.259	17.404	0.18036	3.01875	4 X
K15TC4Q	17.6	0.15	K161D	41.101	178.044	182.731	13.848	0.25848	2.56192	4 X
K15TC9H	16.7	0.15	K161D	327.856	286.250	173.905	15.017	0.12957	3.21686	4 X
K15TD7X	15.4	0.15	K161D	97.146	218.520	88.753	13.381	0.13100	3.13138	7 X
K15TD9W	16.2	0.15	K161D	24.774	282.877	108.990	12.152	0.16959	3.12007	4 X
K15TE2Y	16.4	0.15	K161D	16.251	292.766	112.495	8.800	0.15957	2.91614	4 X
K15TF1R	15.9	0.15	K161D	32.445	161.072	191.239	17.535	0.08530	3.21162	6 X
K15TF3E	17.3	0.15	K161D	260.132	320.996	186.226	5.911	0.07763	2.22069	7 X
K15TI0J	18.3	0.15	K161D	344.290	71.611	27.815	7.441	0.28205	2.34619	5 X
K15TI0L	18.2	0.15	K161D	10.078	35.729	19.291	5.364	0.16363	2.27501	3 X
K15TI9P	17.3	0.15	K161D	37.765	120.828	200.623	25.259	0.37603	3.11713	2 X
K15TJ2K	15.9	0.15	K161D	51.870	242.164	85.702	5.392	0.12456	3.10432	8 X
K15TJ3J	16.6	0.15	K161D	323.411	245.121	199.431	19.204	0.14736	2.84385	6 X
K15TJ6K	17.2	0.15	K161D	299.941	4.730	107.958	5.291	0.09656	2.28809	9 X
K15TJ7A	17.2	0.15	K161D	15.195	310.043	72.339	5.422	0.20978	2.78400	6 X
K15TJ7N	16.3	0.15	K161D	342.908	64.882	14.870	10.020	0.21499	3.01872	5 X
K15TK2C	17.9	0.15	K161D	41.816	3.460	352.403	4.998	0.24976	2.37809	2 X
K15TK2X	16.3	0.15	K161D	20.800	8.422	17.030	10.388	0.24312	3.13163	2 X
K15TK8K	16.3	0.15	K161D	66.853	49.159	274.690	9.563	0.15407	3.06051	2 X
K15TK9P	18.0	0.15	K161D	14.611	89.540	313.586	3.337	0.29045	2.60726	2 X
K15TL0A	16.0	0.15	K161D	1.751	56.670	359.889	10.118	0.10753	3.07745	6 X
K15TM4C	17.5	0.15	K161D	342.849	42.144	50.582	1.940	0.15853	2.44969	7 X
K15TM4H	17.0	0.15	K161D	3.050	184.796	239.320	9.288	0.09392	2.41081	7 X
K15TM4K	18.0	0.15	K161D	25.152	46.066	349.029	5.680	0.14391	2.33129	7 X
K15TM4M	18.0	0.15	K161D	21.031	65.208	332.216	4.143	0.29424	2.60011	3 X
K15TM9S	17.8	0.15	K161D	318.618	219.885	258.322	18.795	0.05910	1.90261	4 X
K15TO2K	16.9	0.15	K161D	28.982	159.947	202.358	17.594	0.13889	2.86788	3 X
K15TO2N	16.3	0.15	K161D	42.624	40.496	314.076	8.248	0.18835	3.01248	5 X
K15TO2V	18.4	0.15	K161D	17.085	41.192	359.460	3.019	0.23129	2.42140	4 X
K15TO9T	17.4	0.15	K161D	4.035	149.401	274.315	4.285	0.21732	2.61611	2 X
K15TP6R	16.4	0.15	K161D	341.956	97.635	1.430	14.708	0.18143	3.19777	3 X
K15TQ0A	16.1	0.15	K161D	355.968	56.073	4.366	8.862	0.19664	3.08389	3 X
K15TT0S	17.0	0.15	K161D	14.182	142.003	248.555	16.076	0.29742	3.07581	3 X
K15TT4N	17.4	0.15	K161D	319.913	259.123	191.480	8.222	0.12951	2.56896	2 X
K15TT4U	16.3	0.15	K161D	55.495	45.629	297.832	13.118	0.09944	3.12327	5 X
K15TT7Z	15.7	0.15	K161D	78.694	19.335	288.465	13.065	0.24971	2.68639	7 X
K15TT8V	15.7	0.15	K161D	55.291	65.123	275.368	8.991	0.12710	3.17034	5 X
K15TU4Y	16.4	0.15	K161D	359.461	319.107	92.188	11.431	0.06492	3.04181	6 X
K15TV8N	16.7	0.15	K161D	54.950	34.384	319.109	14.956	0.06339	2.61224	5 X
K15TV8P	17.0	0.15	K161D	32.197	110.282	260.182	13.089	0.21324	2.63427	5 X
K15TW1E	17.9	0.15	K161D	18.230	116.947	279.380	10.170	0.28180	2.57146	4 X
K15TX1U	17.0	0.15	K161D	69.807	191.276	140.638	12.292	0.08923	2.98251	3 X
K15TX4Y	16.9	0.15	K161D	24.471	267.544	116.863	9.945	0.07209	2.90212	4 X
K15TZ0K	17.7	0.15	K161D	346.461	250.978	184.876	9.872	0.36807	3.12428	2 X
K15U12D	17.4	0.15	K161D	331.492	258.623	199.759	16.663	0.28722	2.73605	3 X
K15U13F	17.1	0.15	K161D	325.898	253.889	197.052	14.742	0.17142	2.80227	4 X
K15U48E	16.1	0.15	K161D	142.455	171.677	101.715	11.445	0.06511	3.16262	3 X

K15U48L	17.9	0.15	K161D	29.641	270.749	124.125	7.604	0.07945	2.39403	4 X
K15U48S	16.0	0.15	K161D	254.877	61.790	107.363	11.142	0.02132	3.21469	2 X
K15U49A	17.1	0.15	K161D	299.119	337.633	164.152	9.395	0.12268	2.58171	6 X
K15U49D	15.7	0.15	K161D	245.309	73.374	113.118	12.202	0.11210	3.04514	7 X
K15U51U	17.2	0.15	K161D	96.163	162.209	148.313	9.321	0.26107	2.29794	7 X
K15U62G	18.5	0.15	K161D	12.001	306.336	92.818	3.782	0.12950	2.12920	6 X
K15U63G	16.1	0.15	K161D	311.699	44.849	76.150	27.597	0.21566	3.17856	3 X
K15U65T	16.2	0.15	K161D	350.616	350.452	90.638	18.799	0.18159	3.15683	5 X
K15U65V	16.2	0.15	K161D	44.397	225.454	137.781	11.941	0.22467	3.08670	2 X
K15U66L	16.3	0.15	K161D	9.327	319.072	101.502	15.232	0.20103	3.22567	3 X
K15U66Q	18.3	0.15	K161D	350.630	25.446	62.870	23.920	0.07327	1.90969	3 X
K15U68B	16.2	0.15	K161D	7.309	333.265	49.412	10.522	0.10135	3.02384	5 X
K15U71H	17.0	0.15	K161D	17.162	271.635	105.326	5.385	0.11695	2.80837	5 X
K15U77C	16.2	0.15	K161D	351.641	28.886	59.487	10.486	0.16543	3.06508	5 X
K15U77G	18.0	0.15	K161D	38.364	95.549	283.765	2.375	0.24772	2.37510	6 X
K15U77K	18.0	0.15	K161D	64.585	229.869	113.800	1.568	0.24857	2.24771	6 X
K15U77O	17.4	0.15	K161D	84.883	76.573	249.655	5.290	0.20102	2.29781	6 X
K15U77W	17.5	0.15	K161D	51.982	314.288	54.651	4.829	0.20020	2.36584	5 X
K15U79H	17.0	0.15	K161D	328.375	351.066	115.988	13.698	0.20194	2.67864	5 X
K15U79Q	16.4	0.15	K161D	349.079	333.486	97.448	18.510	0.10714	3.07847	5 X
K15U84H	16.7	0.15	K161D	52.085	348.003	8.447	10.567	0.18421	2.57380	6 X
K15V00C	17.7	0.15	K161D	58.856	143.129	196.909	12.943	0.28806	2.33419	6 X
K15V00U	18.2	0.15	K161D	78.165	207.428	119.290	8.512	0.27217	2.21150	4 X
K15V01T	17.8	0.15	K161D	70.598	181.012	144.854	9.486	0.30852	2.32573	3 X
K15V04E	15.9	0.15	K161D	355.458	147.493	277.304	14.441	0.28620	3.21080	5 X
K15V34M	16.6	0.15	K161D	55.453	300.838	35.618	17.322	0.24252	3.11903	2 X
K15V40W	16.7	0.15	K161D	63.815	242.678	81.513	16.203	0.28523	3.08426	4 X
K15V41L	18.1	0.15	K161D	28.331	244.122	141.780	6.681	0.26336	2.60658	3 X
K15V41O	16.8	0.15	K161D	294.164	57.497	88.036	13.541	0.13455	2.60145	3 X
K15V41X	16.5	0.15	K161D	29.244	310.555	78.267	20.364	0.08410	3.19983	2 X
K15V41Z	16.6	0.15	K161D	319.762	309.880	157.469	10.636	0.03235	3.10900	2 X
K15V42F	17.3	0.15	K161D	31.773	178.010	199.347	15.455	0.27082	3.18910	2 X
K15V42G	15.5	0.15	K161D	326.835	355.486	106.874	10.478	0.05130	3.09373	6 X
K15V42L	17.2	0.15	K161D	47.925	184.139	189.679	12.486	0.10434	2.57028	2 X
K15V63B	16.7	0.15	K161D	7.654	252.781	168.894	12.037	0.18267	3.09172	4 X
K15V63D	17.6	0.15	K161D	47.212	242.879	137.520	8.039	0.09714	2.22149	3 X
K15V63U	15.3	0.15	K161D	288.240	223.687	258.775	15.091	0.01905	3.15318	3 X
K15V63W	18.5	0.15	K161D	26.246	221.442	178.066	1.741	0.28876	2.35246	4 X
K15V68D	17.2	0.15	K161D	36.816	101.937	271.291	6.269	0.24422	2.78353	3 X
K15V72D	15.9	0.15	K161D	105.346	214.690	93.244	12.580	0.06890	3.16498	2 X
K15V72T	17.3	0.15	K161D	13.388	358.933	63.812	8.587	0.29509	2.61670	3 X
K15V74R	17.5	0.15	K161D	20.128	50.008	350.548	3.682	0.21143	2.75488	4 X
K15V78E	18.1	0.15	K161D	40.865	222.118	160.287	6.149	0.09300	2.31315	6 X
K15V91P	15.7	0.15	K161D	28.563	137.227	250.374	9.060	0.03478	3.09939	6 X
K15VA1O	16.5	0.15	K161D	336.015	23.692	71.792	10.017	0.08912	3.00899	5 X
K15VA5O	24.1	0.15	K161D	124.781	84.127	241.694	4.494	0.12098	1.04471	2 X
K15VA6X	16.0	0.15	K161D	47.450	259.004	103.753	15.767	0.13385	2.61007	9 X
K15VA7B	18.4	0.15	K161D	33.773	232.106	154.043	8.800	0.27755	2.22018	3 X
K15VA8Y	16.7	0.15	K161D	13.473	242.052	159.219	9.059	0.13979	2.74480	5 X
K15VB2C	16.2	0.15	K161D	35.945	239.620	129.882	13.610	0.17497	3.14593	3 X
K15VB2J	16.0	0.15	K161D	29.395	322.109	58.713	10.594	0.11135	3.12577	4 X
K15VB2N	16.7	0.15	K161D	293.964	79.302	50.869	12.765	0.03471	2.62515	3 X
K15VB3E	16.9	0.15	K161D	51.956	294.333	67.667	12.066	0.19588	2.56778	4 X
K15VB3H	18.0	0.15	K161D	30.669	232.750	163.295	1.755	0.18829	2.42512	7 X
K15VB3J	16.5	0.15	K161D	100.729	73.649	245.790	13.767	0.12586	2.58178	2 X
K15VB3P	16.7	0.15	K161D	38.103	301.119	89.240	9.011	0.12578	2.63551	5 X
K15VB4H	17.3	0.15	K161D	20.192	30.986	2.478	4.125	0.35828	2.99849	3 X
K15VB7N	16.8	0.15	K161D	56.399	354.436	350.319	4.039	0.24844	2.57747	7 X

K15VB8A	17.1	0.15	K161D	61.595	284.390	66.438	5.782	0.14635	2.36538	4 X
K15VB9K	17.4	0.15	K161D	42.962	318.889	59.384	5.644	0.11991	2.41312	2 X
K15VC0H	16.1	0.15	K161D	7.670	21.590	38.050	11.942	0.08713	3.04326	6 X
K15VC0O	17.7	0.15	K161D	5.784	206.158	218.769	3.226	0.16843	2.56653	5 X
K15VC0V	17.0	0.15	K161D	19.722	319.125	90.379	6.602	0.18501	2.55928	2 X
K15VC0W	16.5	0.15	K161D	8.896	320.752	101.531	4.582	0.19121	3.10513	5 X
K15VC0X	17.7	0.15	K161D	17.052	321.736	91.153	5.424	0.26586	2.58522	3 X
K15VC1C	15.9	0.15	K161D	336.341	233.501	228.775	8.547	0.09248	3.10679	3 X
K15VC1K	16.1	0.15	K161D	50.137	262.022	84.933	26.003	0.31555	3.15803	3 X
K15VC1P	15.9	0.15	K161D	330.670	42.263	75.613	18.916	0.19105	3.13544	7 X
K15VC3S	16.0	0.15	K161D	358.884	19.399	50.544	13.910	0.12665	3.13142	4 X
K15VC4A	15.4	0.15	K161D	71.058	89.247	267.855	21.202	0.06946	3.11382	6 X
K15VC9V	16.6	0.15	K161D	39.004	273.021	114.279	15.296	0.08473	2.69888	6 X
K15VD1E	17.2	0.15	K161D	330.220	242.725	242.141	21.636	0.19467	2.27651	3 X
K15VD5N	16.0	0.15	K161D	346.770	21.152	72.608	13.090	0.20793	3.13744	6 X
K15VD8V	17.2	0.15	K161D	331.579	135.196	328.030	2.932	0.12374	3.00632	2 X
K15VE1K	15.3	0.15	K161D	245.936	126.649	60.015	25.086	0.04741	3.15777	6 X
K15VE1N	16.1	0.15	K161D	33.926	272.334	104.309	3.575	0.25051	3.91898	4 X
K15VE1S	18.1	0.15	K161D	16.545	12.830	44.780	4.452	0.21958	2.55488	4 X
K15VE2Z	16.9	0.15	K161D	333.887	19.819	57.880	14.713	0.16649	2.71274	2 X
K15VE3A	15.8	0.15	K161D	354.773	320.633	81.477	13.385	0.10386	3.06388	3 X
K15VE3P	16.4	0.15	K161D	50.422	191.466	161.109	10.890	0.11025	2.90929	6 X
K15VE4O	15.2	0.15	K161D	113.230	45.600	257.437	15.608	0.20852	3.15058	7 X
K15VE4P	16.8	0.15	K161D	228.146	287.964	287.982	3.891	0.07458	2.57227	8 X
K15VE6T	17.0	0.15	K161D	327.649	331.569	134.249	14.599	0.15063	2.72243	3 X
K15VF0T	15.9	0.15	K161D	305.145	14.758	112.720	11.669	0.04691	3.12989	2 X
K15VF0V	16.5	0.15	K161D	3.670	105.913	316.959	4.728	0.18574	3.15178	3 X
K15W01H	19.3	0.15	K161D	250.568	96.649	93.971	24.007	0.08531	1.76028	2 X
K15W03A	18.1	0.15	K161D	20.177	222.068	195.667	5.450	0.17565	2.34938	4 X
K15W04W	17.5	0.15	K161D	33.626	213.359	178.758	4.646	0.12134	2.70245	4 X
K15W06E	15.8	0.15	K161D	185.480	342.637	257.457	12.765	0.21080	2.62951	5 X
K15W06L	16.2	0.15	K161D	322.329	65.735	67.330	17.529	0.25132	3.13538	6 X
K15W06P	17.8	0.15	K161D	38.599	296.647	87.953	3.398	0.18379	2.41296	6 X
K15W06Q	16.9	0.15	K161D	292.840	299.352	219.043	2.921	0.15504	2.58540	8 X
K15W06T	18.2	0.15	K161D	72.933	232.523	106.626	5.044	0.21163	2.28701	2 X
K15W10C	17.6	0.15	K161D	342.106	38.100	72.768	10.473	0.19076	2.39015	6 X
K15X55X	17.9	0.15	K161D	331.362	61.587	61.671	4.910	0.18036	2.25011	7 X
K15XD0Q	18.6	0.15	K161D	3.840	347.435	92.764	5.090	0.10535	2.25574	3 X
K15XD2B	17.9	0.15	K161D	355.905	54.048	37.121	0.950	0.19188	2.47256	6 X
K15XD4M	17.0	0.15	K161D	60.428	128.077	241.281	9.296	0.05019	2.93354	5 X
K15XE8Y	17.6	0.15	K161D	18.947	217.339	199.149	1.420	0.18316	3.17551	2 X
K15XH0C	16.2	0.15	K161D	40.297	104.278	266.421	11.578	0.15829	3.18027	5 X
K15XH0G	16.8	0.15	K161D	28.542	300.119	97.629	5.961	0.11952	2.81422	7 X
K15XH0J	16.4	0.15	K161D	149.000	74.700	211.481	8.949	0.04989	2.96805	6 X
K15XH0L	18.2	0.15	K161D	40.390	354.626	34.523	1.811	0.19061	2.37627	6 X
K15XH2D	16.2	0.15	K161D	25.174	171.190	244.764	14.349	0.08717	2.74362	7 X
K15XJ6N	17.5	0.15	K161D	32.172	178.041	231.944	2.318	0.03515	2.57801	10 X
K15XJ9N	17.6	0.15	K161D	32.576	123.449	271.811	5.838	0.12424	2.80032	4 X
K15XL6C	16.6	0.15	K161D	39.594	174.842	194.917	2.475	0.29753	3.94688	2 X
K15XQ1C	17.9	0.15	K161D	326.202	70.152	57.274	29.217	0.35720	2.59363	3 X
K15XQ1R	19.9	0.15	K161D	339.006	236.515	246.324	29.745	0.44505	2.57105	2 X
K15XQ2A	15.4	0.15	K161D	43.783	51.590	301.634	17.624	0.14833	3.16859	5 X
K15XQ2K	17.3	0.15	K161D	13.737	325.295	95.392	10.034	0.04806	2.53461	3 X
K15XQ2N	16.5	0.15	K161D	35.443	167.371	225.193	8.824	0.09353	2.91768	5 X
K15XQ2O	16.3	0.15	K161D	32.664	314.508	90.100	22.723	0.02376	2.61720	6 X
K15XQ2U	16.3	0.15	K161D	110.724	261.618	57.394	9.454	0.09041	3.04548	4 X
K15XQ3G	17.8	0.15	K161D	188.020	161.352	86.583	4.458	0.11662	2.34860	6 X
K15XQ6A	17.1	0.15	K161D	95.939	301.488	34.047	2.382	0.05808	2.91450	6 X

K15XQ6J 17.4 0.15 K161D 45.901 79.235 305.910 2.603 0.10464 2.79812 4 X
 PLS6365 18.1 0.15 K161D 63.321 15.229 346.533 6.133 0.21736 2.26883 6 X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K15N13K	21.0	0.15	K161D	27.954	192.002	192.978	8.093	0.55807	2.25406	153	X
K15O00H	19.9	0.15	K161D	140.268	326.504	299.361	15.336	0.18855	1.32078	141	X
K15O29Q	18.2	0.15	K161D	6.169	247.030	152.198	5.223	0.21870	2.26832	144	X
K15O29X	17.9	0.15	K161D	17.674	220.644	156.176	2.923	0.21458	2.39887	144	X
K15O35L	18.1	0.15	K161D	15.167	296.156	134.915	4.478	0.64135	2.59364	144	X
K15O35S	19.0	0.15	K161D	42.553	76.202	276.262	18.525	0.52192	2.25088	144	X
K15O75S	17.8	0.15	K161D	7.457	190.100	201.862	5.612	0.18223	2.36321	144	X
K15O76M	17.8	0.15	K161D	38.805	180.718	169.393	6.466	0.11826	2.33628	138	X
K15PT4L	17.7	0.15	K161D	36.496	162.567	182.991	14.399	0.27201	2.58521	123	X
K15PU7O	17.0	0.15	K161D	44.297	330.949	32.198	9.052	0.25738	2.41866	123	X
K15Q11K	16.7	0.15	K161D	40.648	329.471	40.863	14.302	0.18829	2.58243	107	X
K15Q11M	17.4	0.15	K161D	34.245	332.241	45.582	5.796	0.28387	2.57603	107	X
K15Q11N	16.7	0.15	K161D	31.379	334.142	57.625	14.688	0.20506	2.57966	107	X
K15R17Z	16.1	0.15	K161D	334.729	231.162	197.008	26.863	0.21034	3.22550	100	X
K15R19B	17.6	0.15	K161D	3.220	232.416	173.907	5.886	0.31296	2.61853	123	X
K15R23Y	17.9	0.15	K161D	10.166	194.869	194.336	14.720	0.26948	2.62659	173	X
K15R26P	17.4	0.15	K161D	32.770	307.181	48.348	7.066	0.21682	2.29437	148	X
K15R29O	17.6	0.15	K161D	48.494	152.731	186.631	6.614	0.12926	2.36014	144	X
K15R31E	18.1	0.15	K161D	19.034	6.125	33.369	3.888	0.25913	2.43266	96	X
K15R31G	17.6	0.15	K161D	59.421	354.850	350.505	6.181	0.18816	2.31460	173	X
K15R35F	19.5	0.15	K161D	28.711	346.114	43.035	12.572	0.27973	1.93902	94	X
K15R50K	18.0	0.15	K161D	18.125	189.254	190.968	6.949	0.24110	2.34920	95	X
K15R70Y	16.6	0.15	K161D	34.851	180.724	167.102	9.193	0.09689	3.16473	171	X
K15R82C	18.7	0.15	K161D	20.786	117.535	272.133	4.607	0.32824	2.41732	94	X
K15R84A	17.8	0.15	K161D	45.640	243.702	89.058	7.141	0.22236	2.30548	122	X
K15R87R	17.9	0.15	K161D	17.440	179.170	191.922	15.237	0.31170	2.76603	176	X
K15R88N	17.2	0.15	K161D	20.127	180.315	189.822	14.224	0.22661	2.70012	173	X
K15R89E	17.8	0.15	K161D	26.820	174.231	196.611	8.933	0.24943	2.39639	173	X
K15R99D	17.8	0.15	K161D	30.345	155.541	192.605	8.768	0.25325	2.69131	142	X
K15RA7D	17.0	0.15	K161D	24.302	194.923	163.597	7.625	0.16563	2.83224	144	X
K15RA7Z	17.4	0.15	K161D	37.639	211.976	132.571	4.023	0.26720	2.74877	171	X
K15RB6G	17.1	0.15	K161D	21.307	291.494	82.586	5.976	0.17523	2.74782	175	X
K15RB6O	17.4	0.15	K161D	73.316	222.915	74.087	7.533	0.27931	2.40183	175	X
K15RJ0Z	17.3	0.15	K161D	355.645	234.731	171.737	9.354	0.15430	2.74087	144	X
K15RJ6D	18.7	0.15	K161D	8.424	272.541	128.453	3.497	0.22278	2.38219	124	X
K15RJ8R	16.6	0.15	K161D	23.700	228.518	141.619	6.355	0.08118	2.86328	124	X
K15RL0G	16.9	0.15	K161D	309.175	34.889	76.259	6.182	0.17226	2.54561	124	X
K15RMD0	17.0	0.15	K161D	42.387	163.971	169.639	13.352	0.24013	2.99008	137	X
K15RN7M	17.9	0.15	K161D	11.037	272.222	146.280	8.820	0.36101	2.68775	93	X
K15RO0E	17.2	0.15	K161D	18.322	306.516	98.690	13.294	0.17117	2.68045	123	X
K15RO0L	16.6	0.15	K161D	50.100	243.633	102.810	13.041	0.27725	3.10196	93	X
K15RO0X	16.2	0.15	K161D	314.788	27.969	86.255	13.893	0.07965	3.12166	123	X
K15RO1M	18.4	0.15	K161D	23.084	336.959	64.068	11.880	0.22975	2.34393	93	X
K15RO1O	17.0	0.15	K161D	34.514	274.847	107.227	9.683	0.15088	2.63833	123	X
K15RO3L	16.3	0.15	K161D	354.260	203.228	199.386	13.398	0.23285	3.18796	173	X
K15S02V	20.9	0.15	K161D	11.368	143.642	282.366	6.489	0.57060	2.47557	83	X
K15S07V	17.7	0.15	K161D	32.936	152.412	197.100	11.974	0.26094	2.60819	98	X
K15S16X	18.6	0.15	K161D	40.938	278.750	65.868	27.671	0.49640	2.57803	83	X
K15S17X	17.5	0.15	K161D	36.028	294.201	62.097	4.101	0.13956	2.29018	198	X
K15S18G	17.8	0.15	K161D	42.874	207.293	134.674	4.571	0.23989	2.41793	144	X
K15S18R	18.1	0.15	K161D	350.849	351.760	72.158	7.315	0.20854	2.41495	171	X
K15T21U	16.9	0.15	K161D	21.768	349.075	37.060	14.413	0.31290	2.59877	91	X
K15T80Z	17.4	0.15	K161D	40.857	43.375	329.048	1.466	0.18470	2.57408	95	X

K15T88G	17.8	0.15	K161D	36.152	324.940	45.595	5.032	0.30671	2.61009	95	X
K15T91L	17.3	0.15	K161D	49.064	122.605	238.882	10.370	0.20942	2.64675	95	X
K15TA8Z	17.5	0.15	K161D	35.651	306.345	73.110	13.304	0.26948	2.59426	107	X
K15TD6O	18.1	0.15	K161D	55.781	235.055	108.025	8.588	0.29190	2.29082	92	X
K15TD8F	17.5	0.15	K161D	38.512	280.111	97.422	10.213	0.12450	2.69698	123	X
K15TE0F	16.2	0.15	K161D	352.515	326.541	110.572	12.982	0.15224	3.09753	123	X
K15TE3L	23.3	0.15	K161D	17.973	193.409	198.007	4.970	0.60379	2.58015	65	X
K15TE7N	16.6	0.15	K161D	357.461	34.318	29.841	14.909	0.25464	3.17267	95	X
K15TH9B	20.4	0.15	K161D	7.403	339.401	101.869	8.065	0.53348	2.58706	59	X
K15TH9T	16.2	0.15	K161D	10.579	7.013	40.067	17.221	0.20414	3.14294	95	X
K15TJ2G	17.1	0.15	K161D	32.299	175.255	165.677	8.359	0.32907	3.13446	144	X
K15TJ2S	16.0	0.15	K161D	45.765	158.987	183.587	8.535	0.07216	3.00325	141	X
K15TJ6M	16.6	0.15	K161D	21.213	191.116	177.038	11.046	0.22816	3.13159	124	X
K15TK2E	18.2	0.15	K161D	31.944	99.144	280.547	4.041	0.19582	2.25741	96	X
K15TK8Y	15.9	0.15	K161D	33.411	110.069	257.396	12.172	0.14176	3.14040	141	X
K15TN7L	19.8	0.15	K161D	357.656	357.561	114.731	6.506	0.37081	2.02471	60	X
K15TO1H	17.8	0.15	K161D	17.475	225.587	156.497	3.321	0.20427	2.38914	144	X
K15TP6U	17.5	0.15	K161D	11.875	6.918	45.591	13.721	0.28489	2.58189	114	X
K15TT8W	16.7	0.15	K161D	54.482	11.503	316.044	6.628	0.30115	2.73616	141	X
K15U44H	17.4	0.15	K161D	350.753	30.836	56.784	23.889	0.24431	2.35129	105	X
K15U48Y	16.8	0.15	K161D	34.927	274.949	97.147	10.561	0.25362	3.00859	92	X
K15U49J	16.3	0.15	K161D	21.927	308.778	86.540	14.530	0.18658	3.11580	93	X
K15U52T	21.0	0.15	K161D	13.439	190.091	242.819	5.215	0.40900	2.04153	51	X
K15U67C	19.6	0.15	K161D	188.662	28.514	225.048	21.035	0.18624	1.32538	51	X
K15U67J	18.2	0.15	K161D	29.540	179.632	161.563	6.894	0.36888	2.60174	168	X
K15U67M	18.9	0.15	K161D	65.931	132.197	150.106	6.003	0.68704	1.55812	42	X
K15U70V	17.3	0.15	K161D	19.502	196.512	178.143	9.484	0.12017	2.74707	124	X
K15U71K	17.4	0.15	K161D	49.014	248.335	84.546	4.996	0.25656	2.40423	198	X
K15U78D	17.4	0.15	K161D	354.845	236.097	206.163	2.492	0.17834	2.56279	84	X
K15V00Z	23.1	0.15	K161D	15.534	162.247	250.567	5.183	0.50903	2.32547	42	X
K15V02C	27.4	0.15	K161D	352.039	273.669	207.138	0.728	0.08275	1.06321	41	X
K15V02D	24.6	0.15	K161D	44.602	263.010	42.003	6.701	0.69014	2.00536	47	X
K15V24W	17.5	0.15	K161D	19.336	321.367	56.576	14.954	0.26994	2.62992	92	X
K15V65D	20.7	0.15	K161D	2.507	224.589	226.262	25.727	0.66779	3.66281	37	X
K15V66E	24.1	0.15	K161D	16.087	187.446	238.390	6.121	0.50045	2.01099	35	X
K15V72F	16.1	0.15	K161D	331.548	338.851	118.998	14.229	0.08486	3.20460	92	X
K15V74T	17.2	0.15	K161D	48.581	22.306	338.819	3.293	0.19608	2.67568	95	X
K15V96H	16.8	0.15	K161D	37.772	355.783	28.184	13.622	0.02295	2.55753	95	X
K15VA2G	15.8	0.15	K161D	10.398	2.382	54.401	10.422	0.09435	3.02743	142	X
K15VA5K	23.6	0.15	K161D	8.775	162.397	282.407	5.160	0.45270	2.04533	31	X
K15VA5L	18.9	0.15	K161D	19.243	188.263	254.640	26.345	0.42376	2.23302	34	X
K15VA6B	24.2	0.15	K161D	17.742	2.013	49.195	10.668	0.51560	2.26140	27	X
K15VE2R	18.8	0.15	K161D	48.773	146.734	177.212	8.569	0.50694	2.65014	28	X
K15W01A	21.8	0.15	K161D	312.383	339.540	197.633	10.901	0.29611	1.18675	29	X
K15W01C	25.2	0.15	K161D	26.075	174.669	242.687	6.958	0.37398	1.61211	16	X
K15W01X	23.4	0.15	K161D	18.900	279.352	107.375	3.609	0.61378	2.55020	18	X
K15W09G	20.3	0.15	K161D	33.958	89.979	239.472	34.373	0.69190	2.03327	15	X
K15W09H	18.5	0.15	K161D	354.706	67.208	68.256	11.295	0.58934	3.16498	22	X
K15W13C	19.6	0.15	K161D	351.768	39.156	81.051	23.507	0.46834	2.27457	16	X
K15W13F	23.5	0.15	K161D	15.451	359.033	71.162	11.702	0.45886	1.85710	15	X
K15W13H	19.0	0.15	K161D	25.810	25.905	280.898	10.934	0.79679	2.48574	14	X
K15X00C	25.2	0.15	K161D	345.222	76.249	70.825	4.874	0.29359	1.18005	8	X
K15X00F	24.3	0.15	K161D	5.668	178.913	263.005	3.420	0.63616	2.87072	13	X
K15X00N	24.0	0.15	K161D	9.914	327.449	120.932	2.337	0.36256	1.69227	10	X
K15X00T	22.6	0.15	K161D	351.946	65.003	82.885	9.092	0.59457	2.11053	13	X
K15X01C	19.2	0.15	K161D	312.148	328.874	213.700	12.870	0.47483	1.96930	13	X
K15X01H	23.3	0.15	K161D	30.156	349.265	71.169	13.502	0.12585	1.39031	11	X
K15X01J	23.4	0.15	K161D	64.652	127.936	230.724	6.504	0.35474	1.31915	11	X

K15X01K 24.0 0.15 K161D 338.075 343.185 189.307 6.444 0.53438 1.63356 9 X
 K15X01R 23.2 0.15 K161D 59.933 195.649 144.205 2.540 0.46316 1.38963 10 X
K15X02B 24.5 0.15 K161D 8.881 16.885 52.933 3.585 0.61654 2.66957 10 X
 K15X55N 27.3 0.15 K161D 347.951 61.317 75.989 2.957 0.25442 1.21008 9 X
 K15X55P 21.6 0.15 K161D 345.645 61.213 80.199 42.150 0.35186 1.55786 7 X
 K15X55Q 21.5 0.15 K161D 266.007 193.605 54.220 9.650 0.57231 0.84863 6 X
 K15XC8L 17.7 0.15 K161D 348.956 160.757 42.474 17.850 0.70059 2.60673 8 X
 K15XC8P 23.0 0.15 K161D 70.390 71.340 293.102 4.089 0.28361 1.27844 5 X
 K15XC8R 19.2 0.15 K161D 358.553 171.752 286.416 15.508 0.31966 1.64773 9 X
 K15XC9T 21.8 0.15 K161D 358.527 150.748 331.173 1.012 0.35010 1.71667 7 X
 K15XC9V 26.9 0.15 K161D 32.815 345.902 73.939 11.152 0.23519 1.31227 6 X
 K15XD0D 19.4 0.15 K161D 321.250 297.800 253.619 33.005 0.46405 1.48357 8 X
 K15XG8W 23.9 0.15 K161D 357.721 254.117 234.379 9.562 0.61283 2.46991 6 X
 K15XG9A 27.4 0.15 K161D 0.368 40.672 77.663 12.150 0.41302 1.59748 5 X
 K15XG9O 23.2 0.15 K161D 7.339 319.145 137.758 4.396 0.44799 1.98872 6 X
 K15XG9R 28.7 0.15 K161D 342.261 250.939 265.438 0.043 0.34708 1.21635 4 X
 K15XG9U 27.0 0.15 K161D 4.782 32.739 74.064 10.681 0.37045 1.54310 10 X
 K15XG9V 20.8 0.15 K161D 355.747 24.255 98.802 33.834 0.28768 1.70544 7 X
 K15XG9X 27.4 0.15 K161D 310.649 283.922 256.750 7.690 0.18361 0.99972 4 X
 K15XG9Y 25.3 0.15 K161D 14.513 10.825 78.925 8.497 0.28840 1.40712 8 X
 K15XQ1H 24.6 0.15 K161D 29.725 294.963 78.649 4.444 0.55887 1.98344 5 X
 K15XQ1L 25.4 0.15 K161D 353.356 192.760 306.431 1.500 0.44533 1.56280 3 X
 K15XQ1N 25.9 0.15 K161D 297.360 274.629 278.628 2.319 0.16389 0.97448 3 X
 K15XQ1Q 22.9 0.15 K161D 7.063 213.852 221.165 2.541 0.55536 2.96868 8 X
 K15XQ1V 25.4 0.15 K161D 49.209 310.658 76.563 17.908 0.30031 1.31942 2 X
 K15XQ1Y 27.0 0.15 K161D 350.691 61.942 86.920 1.590 0.46487 1.49507 7 X
 K15XZ1H 19.3 0.15 K161D 75.840 242.465 82.409 6.072 0.41255 2.09300 5 W
 K15XZ1J 22.4 0.15 K161D 73.114 76.835 254.990 19.445 0.43021 1.36745 5 X
 K15XZ1K 20.4 0.15 K161D 338.181 68.464 135.765 11.760 0.56535 1.56108 5 W
 K15XZ1O 26.5 0.15 K161D 35.904 209.247 206.452 2.005 0.21970 1.33620 7 W

New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K07E19E	16.6	0.15	K0731	60.598	293.801	155.691	7.059	0.15035	3.21940	21	W
K15XG8R	17.1	0.15	K15BE	345.204	207.212	254.765	24.093	0.30397	2.33127	37	DW
K15XZ1C	17.2	0.15	K15C4	62.787	288.816	90.942	30.563	0.28015	2.54355	6	X
K15XZ1D	18.8	0.15	K15C4	177.929	15.801	240.697	18.257	0.07664	1.85428	5	X
K15XZ1E	17.6	0.15	K15C4	50.620	109.795	274.799	27.742	0.39487	2.55905	5	X
K15XZ1F	16.8	0.15	K15C4	344.777	227.275	278.964	30.640	0.30305	2.62160	5	X
K15XZ1G	21.6	0.15	K15C4	9.661	328.905	83.139	9.082	0.38329	2.22526	5	X
K15XZ1L	18.8	0.15	K15C4	358.986	92.587	302.989	21.320	0.23214	2.02419	5	X
K15XZ1M	18.3	0.15	K15C4	253.288	232.730	304.320	16.872	0.05947	1.97807	5	X
K15XZ1N	18.8	0.15	K15C4	15.679	129.928	276.808	31.998	0.36278	2.61176	3	X
K15XZ1P	16.3	0.15	K15C4	275.426	122.779	8.358	30.014	0.30581	2.38754	5	X
K15XZ1Q	18.3	0.15	K15C4	2.418	130.616	235.216	30.727	0.28781	2.39567	7	X
K15XZ1R	20.3	0.15	K15C4	350.054	14.941	92.487	21.916	0.49408	3.04781	9	X
K15XZ1S	19.1	0.15	K15C4	314.262	72.599	69.110	26.209	0.21276	1.98313	4	X

New observations:

K02PD0D	C2015 12 13.36428	05 48 41.037+26 17 36.33	20.2	wLEX161F51
K02PD0D	C2015 12 13.37547	05 48 39.969+26 17 25.20	20.3	wLEX161F51
K02PD0D	C2015 12 13.38664	05 48 38.901+26 17 13.98	20.2	wLEX161F51
K05EG9W	HC2015 12 14.45946	11 54 43.95 -02 15 10.0	20.5	VoEX161691
K05EG9W	HC2015 12 14.46217	11 54 44.34 -02 15 13.2	20.4	VoEX161691
K05X77T	JC2015 12 11.07125	01 17 51.98 -21 37 19.5	20.0	VuEX161807
K05X77T	JC2015 12 11.07357	01 17 51.42 -21 37 06.4	20.1	VuEX161807
K05X77T	JC2015 12 11.07590	01 17 50.85 -21 36 53.1	20.2	VuEX161807
K05X77T	JC2015 12 11.07823	01 17 50.29 -21 36 39.4	19.8	VuEX161807

K05X77T C2015 12 11.08056 01 17 49.73 -21 36 26.1	20.1 VuEX161807
K07W04U C2015 12 11.04817 00 53 17.76 -15 19 33.3	20.9 VuEX161807
K07W04U C2015 12 11.05480 00 53 18.30 -15 19 11.6	20.8 VuEX161807
K07W04U C2015 12 11.06178 00 53 18.87 -15 18 48.7	21.0 VuEX161807
K08V04Q C2015 12 13.49819 02 04 06.71 +18 40 31.6	20.0 RqEX161D29
K08V04Q C2015 12 13.51230 02 04 06.75 +18 40 08.5	19.9 RqEX161D29
K08V04Q C2015 12 13.52641 02 04 06.76 +18 39 47.3	20.2 RqEX161D29
K08V04Q C2015 12 13.54547 02 04 06.77 +18 39 17.8	19.3 RqEX161D29
K08V04Q C2015 12 13.55958 02 04 06.79 +18 38 56.1	19.9 RqEX161D29
K08V04Q C2015 12 13.57369 02 04 06.93 +18 38 33.8	20.0 RqEX161D29
K10VJ8U C2015 12 13.54917 08 47 01.562+05 03 40.40	19.6 wLEX161F51
K10VJ8U C2015 12 13.56186 08 47 02.563+05 04 00.30	19.6 wLEX161F51
K10VJ8U C2015 12 13.57473 08 47 03.578+05 04 20.44	19.6 wLEX161F51
K10VJ8U C2015 12 14.48108 08 48 19.93 +05 28 33.9	20.0 RuEX161926
K10VJ8U C2015 12 14.49469 08 48 21.04 +05 28 55.0	20.1 RuEX161926
K10VJ8U C2015 12 14.50580 08 48 21.93 +05 29 13.3	19.9 RuEX161926
K10X15C HC2015 12 14.14083 00 12 45.05 -15 27 36.6	21.7 VoEX161691
K10X15C HC2015 12 14.14378 00 12 45.24 -15 27 27.1	21.7 VoEX161691
K10X15C HC2015 12 14.14673 00 12 45.52 -15 27 17.5	21.2 VoEX161691
K11H04P FC2011 04 27.38827214 22 43.035-04 10 18.19	20.8 RtEX161F51
K11SJ1E C2011 10 02.52091901 26 55.540+21 42 08.81	20.0 RtEX161F51
K11W15N C2015 12 12.85921 04 54 16.69 +43 38 22.9	16.6 RqEX161006
K11W15N C2015 12 12.86309 04 54 12.15 +43 38 17.0	16.2 RqEX161006
K11W15N C2015 12 12.86575 04 54 09.05 +43 38 12.4	16.1 RqEX161006
K11W15N C2015 12 12.86941 04 54 04.70 +43 38 06.3	16.3 RqEX161006
K11W15N C2015 12 12.87149 04 54 02.36 +43 38 02.8	16.4 RqEX161006
K11W15N C2015 12 12.87358 04 53 59.91 +43 37 59.6	16.4 RqEX161006
K11W15N C2015 12 12.87621 04 53 56.78 +43 37 55.2	16.2 RqEX161006
K11W15N C2015 12 12.87913 04 53 53.39 +43 37 50.0	16.6 RqEX161006
K11W15N C2015 12 12.88168 04 53 50.41 +43 37 45.7	16.3 RqEX161006
K12T78T C2015 12 13.59736 10 34 44.182-03 34 27.38	21.3 wLEX161F51
K12T78T C2015 12 13.61012 10 34 46.809-03 34 57.40	21.1 wLEX161F51
K12T78T C2015 12 13.62292 10 34 49.450-03 35 27.58	21.2 wLEX161F51
K12TD9M KC2015 08 27.84393 20 37 06.42 +03 02 36.1	17.5 RqEX161160
K12TD9M KC2015 08 27.84591 20 37 06.68 +03 02 39.0	17.3 RqEX161160
K12TD9M KC2015 08 27.84792 20 37 06.94 +03 02 42.1	17.4 RqEX161160
K12V07O KC2015 12 12.88729 05 06 21.04 +44 59 49.5	19.1 RqEX161157
K12V07O KC2015 12 12.89359 05 06 21.99 +45 00 08.5	19.0 RqEX161157
K12V07O KC2015 12 12.89989 05 06 22.84 +45 00 28.2	19.1 RqEX161157
K12XB1T C2015 12 13.35774 05 06 07.429+27 53 27.79	21.1 wLEX161F51
K12XB1T C2015 12 13.38014 05 06 14.404+27 52 18.84	21.3 wLEX161F51
K12XB1T C2015 12 13.39133 05 06 17.864+27 51 44.09	21.2 wLEX161F51
K12XD3A C2015 12 11.08547 01 25 38.30 +01 10 19.9	20.2 VuEX161807
K12XD3A C2015 12 11.08780 01 25 39.25 +01 10 27.4	19.5 VuEX161807
K12XD3A C2015 12 11.09013 01 25 40.20 +01 10 34.6	19.6 VuEX161807
K12XD3A C2015 12 11.09246 01 25 41.16 +01 10 41.9	19.9 VuEX161807
K12XD3A C2015 12 11.09480 01 25 42.12 +01 10 48.5	20.4 VuEX161807
K12XD4S KC2015 12 09.10854001 07 52.63 -10 39 44.2	19.6 VuEX161H21
K12XD4S KC2015 12 09.11062901 07 52.86 -10 39 36.0	19.2 VuEX161H21
K12XD4S KC2015 12 09.11272001 07 53.11 -10 39 27.9	19.6 VuEX161H21
K12XD4S KC2015 12 09.11481101 07 53.35 -10 39 20.1	19.5 VuEX161H21
K12XD4S KC2015 12 09.11689801 07 53.60 -10 39 12.2	19.4 VuEX161H21
K12XD4S KC2015 12 09.11898101 07 53.84 -10 39 03.9	19.7 VuEX161H21
K12XD4S KC2015 12 09.12071701 07 54.03 -10 38 57.3	19.5 VuEX161H21
K13G73Y C2015 12 14.21053 00 09 44.150-03 32 18.83	21.0 wLEX161F51
K13G73Y C2015 12 14.22255 00 09 44.383-03 31 59.95	21.1 wLEX161F51
K13G73Y C2015 12 14.23457 00 09 44.618-03 31 40.93	21.3 wLEX161F51
K13G73Y C2015 12 14.24663 00 09 44.826-03 31 21.77	21.4 wLEX161F51

K13M05Y C2015 12 11.02952 23 01 30.20 -14 06 30.1	19.9 VuEX161807
K13M05Y C2015 12 11.03191 23 01 31.32 -14 06 22.0	20.2 VuEX161807
K13M05Y C2015 12 11.03426 23 01 32.37 -14 06 14.1	20.1 VuEX161807
K13M05Y C2015 12 11.03658 23 01 33.45 -14 06 06.7	19.7 VuEX161807
K13M05Y C2015 12 11.03891 23 01 34.54 -14 05 59.0	19.8 VuEX161807
K15B92A C2015 12 13.53805 08 02 03.301+07 55 18.37	21.6 wLEX161F51
K15B92A C2015 12 13.55061 08 02 01.763+07 55 27.82	21.8 wLEX161F51
K15B92A C2015 12 13.56333 08 02 00.172+07 55 37.03	21.8 wLEX161F51
K15FX2P C2015 12 11.02841 22 56 40.14 -46 36 40.1	20.7 VuEX161807
K15FX2P C2015 12 11.03004 22 56 40.56 -46 36 37.8	20.2 VuEX161807
K15FX2P C2015 12 11.03214 22 56 41.15 -46 36 34.7	20.1 VuEX161807
K15FX2P C2015 12 11.03378 22 56 41.64 -46 36 32.6	20.4 VuEX161807
K15FX2P C2015 12 11.03554 22 56 42.11 -46 36 30.6	20.5 VuEX161807
K15N13K KC2015 12 03.42520508 18 31.26 -06 36 04.9	21.3 VuEX161H21
K15N13K KC2015 12 03.42974908 18 30.99 -06 36 05.6	21.4 VuEX161H21
K15N13K KC2015 12 03.43680208 18 30.61 -06 36 06.6	21.2 VuEX161H21
K15N13S KC2015 08 27.88810 21 34 22.00 +36 45 19.4	18.0 RqEX161160
K15N13S KC2015 08 27.88959 21 34 21.54 +36 45 29.5	17.9 RqEX161160
K15N13S KC2015 08 27.89109 21 34 21.07 +36 45 39.6	17.9 RqEX161160
K15O00H KC2015 08 27.87353 21 21 07.60 +35 18 43.7	17.8 RqEX161160
K15O00H KC2015 08 27.87768 21 21 07.18 +35 18 45.2	17.9 RqEX161160
K15O35L HC2015 12 14.46456 12 07 06.31 -03 31 03.0	19.5 VoEX161691
K15O35L HC2015 12 14.46611 12 07 06.43 -03 31 03.1	19.5 VoEX161691
K15O35L HC2015 12 14.46768 12 07 06.67 -03 31 03.3	19.3 VoEX161691
K15O35S KC2015 12 10.32951206 01 06.39 +34 34 32.2	20.3 VuEX161H21
K15O35S KC2015 12 10.33155406 01 06.12 +34 34 29.2	20.7 VuEX161H21
K15O35S KC2015 12 10.33359606 01 05.84 +34 34 26.3	20.6 VuEX161H21
K15O35S KC2015 12 10.33563806 01 05.56 +34 34 23.6	20.7 VuEX161H21
K15O35S C2015 12 13.36821 05 54 28.461+33 22 41.75	19.4 wLEX161F51
K15O35S C2015 12 13.39057 05 54 25.482+33 22 10.38	19.4 wLEX161F51
K15O35S C2015 12 13.40181 05 54 23.978+33 21 54.65	19.3 wLEX161F51
K15S02V KC2015 12 10.31136906 02 40.60 +52 23 03.3	17.4 VuEX161H21
K15S02V KC2015 12 10.31273006 02 41.39 +52 22 55.3	17.3 VuEX161H21
K15S02V KC2015 12 10.31409106 02 42.17 +52 22 47.3	17.1 VuEX161H21
K15S02V KC2015 12 10.31545306 02 42.93 +52 22 39.1	17.5 VuEX161H21
K15S02V KC2015 12 10.31681506 02 43.70 +52 22 31.0	17.4 VuEX161H21
K15S02V KC2015 12 10.31817606 02 44.47 +52 22 22.9	17.4 VuEX161H21
K15S02V C2015 12 13.35973 06 29 34.62 +47 17 22.1	17.3 RoEX161926
K15S02V C2015 12 13.36382 06 29 36.29 +47 16 57.0	17.3 RoEX161926
K15S02V C2015 12 13.36849 06 29 38.19 +47 16 28.3	17.4 RoEX161926
K15S02V KC2015 12 13.80419 06 32 56.64 +46 31 30.2	17.2 VtEX161L04
K15S02V KC2015 12 13.81189 06 32 59.86 +46 30 45.3	17.2 VtEX161L04
K15S02V KC2015 12 13.81632 06 33 01.69 +46 30 19.0	17.2 VtEX161L04
K15S16X C2015 12 13.42313 03 48 56.826+25 33 58.74	20.4 wLEX161F51
K15S16X C2015 12 13.43726 03 48 55.559+25 34 11.37	20.5 wLEX161F51
K15S16X HC2015 12 14.29314 03 47 43.49 +25 46 55.4	20.7 VoEX161691
K15S16X HC2015 12 14.29647 03 47 43.16 +25 46 58.8	20.8 VoEX161691
K15S16X HC2015 12 14.29977 03 47 42.88 +25 47 01.5	20.8 VoEX161691
K15TE3L C2015 12 13.47446 05 22 28.816-02 32 22.43	20.7 wLEX161F51
K15TE3L C2015 12 13.48754 05 22 29.671-02 32 00.66	20.7 wLEX161F51
K15TE3L C2015 12 13.50062 05 22 30.517-02 31 38.84	20.8 wLEX161F51
K15TH9B KC2015 12 03.32791605 32 45.18 +03 11 24.9	19.1 VuEX161H21
K15TH9B KC2015 12 03.32935405 32 45.32 +03 11 27.6	19.1 VuEX161H21
K15TH9B KC2015 12 03.33079305 32 45.46 +03 11 30.2	18.7 VuEX161H21
K15TH9B KC2015 12 03.33223205 32 45.60 +03 11 32.5	19.0 VuEX161H21
K15TH9B KC2015 12 03.33367005 32 45.72 +03 11 34.9	18.9 VuEX161H21
K15TH9B KC2015 12 03.33510705 32 45.87 +03 11 37.6	19.0 VuEX161H21
K15TN7L KC2015 12 03.34754505 57 57.13 +08 54 08.6	19.3 VuEX161H21

K15TN7L KC2015 12 03.34975505 57 57.15 +08 54 09.3	19.4 VuEX161H21
K15TN7L KC2015 12 03.35191105 57 57.17 +08 54 10.3	19.4 VuEX161H21
K15TN7L KC2015 12 03.35406805 57 57.19 +08 54 10.8	19.5 VuEX161H21
K15TN7L KC2015 12 03.35622605 57 57.21 +08 54 11.6	19.5 VuEX161H21
K15U52T KC2015 12 03.28060605 12 15.64 +18 26 27.1	18.3 VuEX161H21
K15U52T KC2015 12 03.28295305 12 15.81 +18 26 23.6	18.4 VuEX161H21
K15U52T KC2015 12 03.28529505 12 15.96 +18 26 20.1	18.3 VuEX161H21
K15U52T KC2015 12 03.28769505 12 16.12 +18 26 16.6	18.3 VuEX161H21
K15U52T KC2015 12 03.28939005 12 16.25 +18 26 14.1	18.6 VuEX161H21
K15U52T C2015 12 13.74024 05 24 59.04 +14 23 24.7	19.2 RqEX161D29
K15U52T C2015 12 13.75435 05 24 59.85 +14 23 06.6	19.1 RqEX161D29
K15U67C C2015 12 14.16246 02 51 13.50 -01 03 44.8	20.7 VoEX161691
K15U67C C2015 12 14.16730 02 51 13.31 -01 03 48.9	20.6 VoEX161691
K15U67C C2015 12 14.17237 02 51 13.15 -01 03 52.6	20.6 VoEX161691
K15U67M KC2015 12 03.11752001 32 55.16 -05 18 25.5	20.1 VuEX161H21
K15U67M KC2015 12 03.12079001 32 55.31 -05 18 21.1	20.1 VuEX161H21
K15U67M KC2015 12 03.12272701 32 55.40 -05 18 18.4	20.3 VuEX161H21
K15V00Z C2015 12 13.42645 03 56 10.292+16 45 56.90	21.5 wLEX161F51
K15V00Z C2015 12 13.44058 03 56 13.020+16 45 42.91	21.2 wLEX161F51
K15V00Z C2015 12 13.45490 03 56 15.794+16 45 28.50	21.0 wLEX161F51
K15V00Z C2015 12 13.46907 03 56 18.564+16 45 14.59	21.1 wLEX161F51
K15V02C KC2015 12 14.18397 01 11 02.86 -14 00 09.7	oEX161291
K15V02C KC2015 12 14.19222 01 11 01.62 -14 00 28.6	21.5 RoEX161291
K15V02C KC2015 12 14.20049 01 11 00.37 -14 00 48.6	21.4 RoEX161291
K15V02D &C2015 12 11.16915202 14 04.962+19 18 56.95	24.1 RtEX161309
K15V02D &C2015 12 11.17303502 14 05.050+19 18 57.56	24.1 RtEX161309
K15V65D HC2015 12 14.23053 04 24 17.46 -31 46 38.2	20.9 VoEX161691
K15V65D HC2015 12 14.23325 04 24 17.68 -31 46 47.3	21.1 VoEX161691
K15V65D HC2015 12 14.23596 04 24 17.87 -31 46 57.3	21.0 VoEX161691
K15V66E HC2015 12 14.43054 09 01 16.82 -17 11 13.0	21.5 VoEX161691
K15V66E HC2015 12 14.43557 09 01 17.13 -17 11 15.6	21.1 VoEX161691
K15V66E HC2015 12 14.44061 09 01 17.36 -17 11 17.4	21.2 VoEX161691
K15VA5K KC2015 12 10.28117704 39 51.27 +39 48 52.7	20.0 VuEX161H21
K15VA5K KC2015 12 10.28321904 39 51.79 +39 48 49.3	20.1 VuEX161H21
K15VA5K KC2015 12 10.28526104 39 52.26 +39 48 46.3	20.5 VuEX161H21
K15VA5K KC2015 12 10.28730404 39 52.77 +39 48 43.1	20.0 VuEX161H21
K15VA5K KC2015 12 10.28934504 39 53.28 +39 48 39.6	20.5 VuEX161H21
K15VA5K KC2015 12 10.29138604 39 53.78 +39 48 36.2	20.6 VuEX161H21
K15VA5K KC2015 12 10.29322304 39 54.24 +39 48 33.3	20.6 VuEX161H21
K15VA5L HC2015 12 14.44680 09 42 04.14 -18 51 38.2	oEX161691
K15VA5L HC2015 12 14.44952 09 42 04.30 -18 51 46.0	20.8 VoEX161691
K15VA5L HC2015 12 14.45224 09 42 04.42 -18 51 53.0	20.5 VoEX161691
K15VA5O KC2015 12 03.14351901 35 56.16 +05 19 16.8	20.6 VuEX161H21
K15VA5O KC2015 12 03.14789601 35 57.22 +05 19 12.8	20.2 VuEX161H21
K15VA5O KC2015 12 03.15191001 35 58.18 +05 19 08.7	20.9 VuEX161H21
K15VA6B KC2015 12 10.31431105 48 36.82 +58 07 25.9	22.4 VuEX161H21
K15VA6B KC2015 12 10.33102605 48 39.21 +58 07 46.4	22.4 VuEX161H21
K15VA6B KC2015 12 10.35016105 48 41.99 +58 08 09.7	22.2 VuEX161H21
K15W01A HC2015 12 14.19038 02 45 35.13 -22 15 29.6	21.7 VoEX161691
K15W01A HC2015 12 14.19448 02 45 34.70 -22 15 35.3	21.5 VoEX161691
K15W01A HC2015 12 14.19859 02 45 34.17 -22 15 40.1	21.3 VoEX161691
K15W01C KC2015 12 03.37088207 40 08.52 -03 08 58.9	20.4 VuEX161H21
K15W01C KC2015 12 03.37519407 40 09.09 -03 09 23.2	20.0 VuEX161H21
K15W01C KC2015 12 03.37951007 40 09.67 -03 09 46.9	20.2 VuEX161H21
K15W01C KC2015 12 03.38303707 40 10.11 -03 10 06.5	20.2 VuEX161H21
K15W01X KC2015 12 03.30114205 04 08.14 +03 28 58.9	20.0 VuEX161H21
K15W01X KC2015 12 03.30340005 04 08.44 +03 29 09.7	20.0 VuEX161H21
K15W01X KC2015 12 03.30566005 04 08.76 +03 29 20.1	19.9 VuEX161H21

K15W01X KC2015 12 03.30721105 04 08.97 +03 29 27.6	19.8 VuEX161H21
K15W09G KC2015 12 03.15609702 26 57.41 -06 17 54.9	18.5 VuEX161H21
K15W09G KC2015 12 03.15753502 26 57.81 -06 17 59.5	18.6 VuEX161H21
K15W09G KC2015 12 03.15897202 26 58.23 -06 18 04.0	19.1 VuEX161H21
K15W09G KC2015 12 03.16019402 26 58.56 -06 18 07.6	18.2 VuEX161H21
K15W09G KC2015 12 09.08624302 47 52.91 -09 32 50.4	19.3 VuEX161H21
K15W09G KC2015 12 09.08833302 47 53.21 -09 32 52.8	19.4 VuEX161H21
K15W09G KC2015 12 09.09041902 47 53.50 -09 32 55.1	19.5 VuEX161H21
K15W09G KC2015 12 09.09146102 47 53.64 -09 32 56.3	19.3 VuEX161H21
K15W09G KC2015 12 10.15158902 50 28.63 -09 52 14.7	19.9 VuEX161H21
K15W09G KC2015 12 10.15770402 50 29.43 -09 52 20.8	19.6 VuEX161H21
K15W09G KC2015 12 10.16021202 50 29.75 -09 52 23.2	19.6 VuEX161H21
K15W09H KC2015 12 10.36278206 58 09.02 +32 38 01.0	18.6 VuEX161H21
K15W09H KC2015 12 10.36414306 58 09.08 +32 38 02.9	18.6 VuEX161H21
K15W09H KC2015 12 10.36550406 58 09.14 +32 38 04.9	18.6 VuEX161H21
K15W09H KC2015 12 10.36686606 58 09.20 +32 38 07.1	18.7 VuEX161H21
K15W09H KC2015 12 10.36822706 58 09.27 +32 38 09.0	18.7 VuEX161H21
K15W09H KC2015 12 10.36958806 58 09.33 +32 38 11.1	18.7 VuEX161H21
K15W09H C2015 12 14.42287 07 01 27.58 +34 23 29.1	18.5 RuEX161926
K15W09H C2015 12 14.43766 07 01 28.17 +34 23 52.7	18.9 RuEX161926
K15W09H C2015 12 14.45596 07 01 28.89 +34 24 21.7	18.8 RuEX161926
K15W13C KC2015 12 10.16428403 31 19.18 +02 56 48.9	19.5 VuEX161H21
K15W13C KC2015 12 10.16637303 31 18.89 +02 56 54.5	19.3 VuEX161H21
K15W13C KC2015 12 10.16846203 31 18.62 +02 57 00.1	19.3 VuEX161H21
K15W13C KC2015 12 10.17055203 31 18.35 +02 57 05.7	19.6 VuEX161H21
K15W13C KC2015 12 10.17250403 31 18.10 +02 57 10.9	19.4 VuEX161H21
K15W13C KC2015 12 12.86528 03 25 45.35 +05 01 07.5	19.0 RqEX161157
K15W13C KC2015 12 12.87158 03 25 44.53 +05 01 25.6	19.0 RqEX161157
K15W13C KC2015 12 12.87788 03 25 43.69 +05 01 43.7	19.3 RqEX161157
K15W13C C2015 12 13.28118 03 24 54.980+05 21 01.83	19.4 wLEX161F51
K15W13C C2015 12 13.29219 03 24 53.554+05 21 33.48	19.5 wLEX161F51
K15W13C C2015 12 13.33874 03 24 47.515+05 23 47.19	19.4 wLEX161F51
K15W13C C2015 12 13.35010 03 24 46.038+05 24 19.81	19.4 wLEX161F51
K15W13C C2015 12 14.15926 03 23 08.37 +06 03 16.9	19.7 RuEX161926
K15W13C C2015 12 14.16897 03 23 07.13 +06 03 45.4	19.7 RuEX161926
K15W13C C2015 12 14.17869 03 23 05.92 +06 04 14.3	20.0 RuEX161926
K15W13F C2015 12 14.12966 04 05 34.63 +77 31 09.3	18.3 RuEX161926
K15W13F C2015 12 14.13182 04 05 40.38 +77 31 32.4	18.2 RuEX161926
K15W13F C2015 12 14.13397 04 05 46.31 +77 31 55.4	18.2 RuEX161926
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K15W13H KC2015 12 10.00038400 58 44.43 +27 13 44.4	18.4 VuEX161H21
K15W13H KC2015 12 10.00444800 58 45.53 +27 13 40.8	18.9 VuEX161H21
K15W13H KC2015 12 10.00824000 58 46.58 +27 13 37.5	19.5 VuEX161H21
K15W13H C2015 12 14.15440 01 16 18.48 +26 10 18.1	20.0 RuEX161926
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K15W13H C2015 12 14.17383 01 16 22.74 +26 10 02.7	20.0 RuEX161926
K15X00C KC2015 12 03.31014903 44 13.53 +17 18 32.0	18.2 VuEX161H21
K15X00C KC2015 12 03.31158503 44 12.50 +17 18 44.8	18.2 VuEX161H21
K15X00C KC2015 12 03.31301903 44 11.49 +17 18 57.6	18.0 VuEX161H21
K15X00C KC2015 12 03.31445603 44 10.45 +17 19 10.2	17.8 VuEX161H21
K15X00C KC2015 12 03.31589003 44 09.43 +17 19 22.9	18.0 VuEX161H21
K15X00C KC2015 12 03.31732503 44 08.39 +17 19 35.5	17.8 VuEX161H21
K15X00F C2015 12 13.41380 03 03 40.108+21 11 39.07	20.1 wLEX161F51
K15X00F C2015 12 13.44206 03 04 01.586+21 11 25.28	20.3 wLEX161F51
K15X00F C2015 12 13.45619 03 04 12.376+21 11 17.97	20.4 wLEX161F51
K15X00F C2015 12 14.18253 03 14 15.37 +21 05 50.4	20.0 RuEX161926
K15X00F C2015 12 14.18705 03 14 18.98 +21 05 47.9	19.7 RuEX161926
K15X00F C2015 12 14.19158 03 14 22.53 +21 05 46.5	20.1 RuEX161926

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K15X00N C2015 12 11.26138 04 30 53.48 +04 54 02.5	20.3 VuEX161807
K15X00N C2015 12 11.26487 04 30 54.10 +04 54 06.3	20.3 VuEX161807
K15X00N C2015 12 11.26835 04 30 54.73 +04 54 10.4	20.4 VuEX161807
K15X00N C2015 12 11.27183 04 30 55.37 +04 54 14.3	20.3 VuEX161807
K15X00T KC2015 12 10.17775803 46 02.70 +11 25 10.9	19.9 VuEX161H21
K15X00T KC2015 12 10.17984803 46 02.24 +11 25 13.6	20.0 VuEX161H21
K15X00T KC2015 12 10.18193903 46 01.79 +11 25 16.6	19.8 VuEX161H21
K15X00T KC2015 12 10.18403103 46 01.31 +11 25 19.3	19.7 VuEX161H21
K15X00T KC2015 12 10.18612103 46 00.83 +11 25 21.9	19.3 VuEX161H21
K15X00T C2015 12 13.20155 03 34 28.58 +12 41 06.0	20.8 RuEX161926
K15X00T C2015 12 13.20793 03 34 26.82 +12 41 17.7	21.1 RuEX161926
K15X00T C2015 12 13.21432 03 34 25.10 +12 41 29.2	20.8 RuEX161926
K15X00T 6C2015 12 14.30351 03 29 38.41 +13 13 45.7	19.7 RoEX161290
K15X00T 6C2015 12 14.30505 03 29 37.97 +13 13 48.6	19.9 RoEX161290
K15X00T 6C2015 12 14.30648 03 29 37.55 +13 13 51.1	19.8 RoEX161290
K15X01C HC2015 12 14.27562 03 36 09.40 +04 55 02.2	21.5 VoEX161691
K15X01C HC2015 12 14.27950 03 36 09.14 +04 55 00.3	21.3 VoEX161691
K15X01H C2015 12 13.41777 03 24 22.893+23 48 20.98	22.1 wLEX161F51
K15X01H C2015 12 13.44606 03 24 20.229+23 49 36.14	21.7 wLEX161F51
K15X01H C2015 12 13.46025 03 24 18.902+23 50 14.03	21.6 wLEX161F51
K15X01J C2015 12 13.48223 05 49 41.973-04 49 49.42	20.2 wLEX161F51
K15X01J C2015 12 13.49529 05 49 39.814-04 49 33.89	20.3 wLEX161F51
K15X01J C2015 12 13.50838 05 49 37.662-04 49 18.44	20.3 wLEX161F51
K15X01J C2015 12 13.52144 05 49 35.526-04 49 02.85	20.2 wLEX161F51
K15X01K C2015 12 11.23768 04 01 56.37 -03 39 02.5	19.2 VuEX161807
K15X01K C2015 12 11.24003 04 01 55.95 -03 39 07.2	19.4 VuEX161807
K15X01K C2015 12 11.24237 04 01 55.51 -03 39 12.0	19.4 VuEX161807
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K15X01K C2015 12 11.24706 04 01 54.66 -03 39 21.7	19.3 VuEX161807
K15X01R C2015 12 13.21392 02 21 38.37 -00 29 31.8	21.2 RoEX161926
K15X01R C2015 12 13.22041 02 21 40.26 -00 29 07.9	21.4 RoEX161926
K15X01R C2015 12 13.22691 02 21 42.20 -00 28 42.1	21.1 RoEX161926
K15X02B 6C2015 12 14.32055 04 17 37.63 +54 58 07.9	19.9 RoEX161290
K15X02B 6C2015 12 14.32127 04 17 38.78 +54 58 10.7	20.1 RoEX161290
K15X02B 6C2015 12 14.32202 04 17 39.95 +54 58 14.1	19.8 RoEX161290
K15X55N C2015 12 13.43686 04 36 17.77 +49 46 05.5	18.9 RuEX161926
K15X55N C2015 12 13.43850 04 36 18.15 +49 47 34.6	18.1 RuEX161926
K15X55N C2015 12 13.44014 04 36 18.56 +49 49 04.0	17.9 RuEX161926
K15X55P KC2015 12 10.29665005 40 49.96 +16 24 15.1	18.6 VuEX161H21
K15X55P KC2015 12 10.29801105 40 49.49 +16 24 30.2	18.9 VuEX161H21
K15X55P KC2015 12 10.29937305 40 49.00 +16 24 45.9	19.4 VuEX161H21
K15X55P KC2015 12 10.30073405 40 48.51 +16 25 01.3	18.3 VuEX161H21
K15X55P KC2015 12 10.30209505 40 48.04 +16 25 16.4	19.5 VuEX161H21
K15X55Q KC2015 12 10.34846606 39 09.47 +41 52 02.2	20.3 VuEX161H21
K15X55Q KC2015 12 10.35255006 39 08.09 +41 52 12.0	20.9 VuEX161H21
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K15X55Q KC2015 12 10.35860106 39 06.03 +41 52 25.8	20.2 VuEX161H21
K15XC8L KC2015 12 10.44198211 02 48.21 +38 36 01.0	18.5 VuEX161H21
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K15XC8L KC2015 12 10.44742811 02 49.81 +38 36 01.8	19.4 VuEX161H21
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K15XC8P KC2015 12 10.38073807 46 19.31 +37 29 04.9	20.1 VuEX161H21
K15XC8P KC2015 12 10.38278007 46 18.69 +37 29 01.9	20.1 VuEX161H21
K15XC8P KC2015 12 10.38482207 46 18.05 +37 28 58.6	20.2 VuEX161H21
K15XC8P KC2015 12 10.38686307 46 17.43 +37 28 55.2	20.4 VuEX161H21
K15XC8P KC2015 12 10.38890507 46 16.81 +37 28 51.8	20.1 VuEX161H21
K15XC8R C2015 12 14.09611 00 04 14.25 +37 59 05.1	18.8 RuEX161926

K15XC8R	C2015 12 14.10823 00 04 16.49 +37 58 47.3	19.0 RuEX161926
K15XC8R	C2015 12 14.11734 00 04 18.18 +37 58 34.1	19.2 RuEX161926
K15XC9T	KC2015 12 10.40312008 38 29.01 +22 47 13.3	20.8 VuEX161H21
K15XC9T	KC2015 12 10.40720408 38 29.92 +22 47 10.1	21.2 VuEX161H21
K15XC9T	KC2015 12 10.41128808 38 30.82 +22 47 06.9	20.9 VuEX161H21
K15XC9T	KC2015 12 10.41529308 38 31.70 +22 47 03.6	20.6 VuEX161H21
K15XC9T	C2015 12 13.43828 08 50 17.27 +22 06 15.9	20.8 RoEX161926
K15XC9T	C2015 12 13.44143 08 50 17.96 +22 06 13.1	20.5 RoEX161926
K15XC9T	C2015 12 13.44459 08 50 18.65 +22 06 10.3	20.6 RoEX161926
K15XC9V	C2015 12 13.38488 04 39 32.99 +59 14 43.1	20.1 RoEX161926
K15XC9V	C2015 12 13.38976 04 39 34.79 +59 15 38.5	21.3 RoEX161926
K15XD0D	KC2015 12 10.27340505 23 55.05 +12 21 16.6	19.3 VuEX161H21
K15XD0D	KC2015 12 10.27476705 23 54.80 +12 21 11.2	19.2 VuEX161H21
K15XD0D	KC2015 12 10.27619605 23 54.53 +12 21 05.2	19.2 VuEX161H21
K15XD0D	KC2015 12 10.27762405 23 54.26 +12 20 59.3	19.6 VuEX161H21
K15XD0D	KC2015 12 12.93557 05 15 34.69 +09 14 00.8	18.2 RqEX161157
K15XD0D	KC2015 12 12.93910 05 15 34.00 +09 13 45.6	18.1 RqEX161157
K15XD0D	KC2015 12 12.94262 05 15 33.28 +09 13 30.3	18.1 RqEX161157
K15XD0D	KC2015 12 12.94614 05 15 32.57 +09 13 14.8	18.1 RqEX161157
K15XD0D	C2015 12 14.33347 05 11 01.03 +07 31 11.7	18.9 VoEX161691
K15XD0D	C2015 12 14.33619 05 11 00.48 +07 30 59.5	19.3 VoEX161691
K15XD0D	C2015 12 14.33868 05 10 59.96 +07 30 48.1	19.3 VoEX161691
K15XG8W	C2015 12 13.32291 04 59 52.95 -13 21 41.1	20.7 RoEX161926
K15XG8W	C2015 12 13.32731 04 59 53.61 -13 22 19.2	20.4 RoEX161926
K15XG8W	C2015 12 13.33174 04 59 54.22 -13 22 55.0	20.8 RoEX161926
K15XG8X	C2015 12 13.23217 03 44 15.36 +26 59 36.2	20.1 RoEX161926
K15XG8X	C2015 12 13.23572 03 44 10.18 +26 59 23.8	19.8 RoEX161926
K15XG8X	C2015 12 13.23931 03 44 04.94 +26 59 10.5	20.0 RoEX161926
K15XG9A	C2015 12 13.45177 09 04 21.66 +63 52 53.0	20.3 RoEX161926
K15XG9A	C2015 12 13.45346 09 04 34.99 +63 53 35.9	20.4 RoEX161926
K15XG9A	C2015 12 13.45515 09 04 48.43 +63 54 18.8	20.4 RoEX161926
K15XG9A	C2015 12 13.45683 09 05 01.83 +63 55 01.1	20.5 RoEX161926
K15XG9A	C2015 12 13.45850 09 05 15.10 +63 55 44.1	20.5 RoEX161926
K15XG9A	C2015 12 13.46019 09 05 28.53 +63 56 27.0	20.6 RoEX161926
K15XG9O	C2015 12 14.46831 08 23 58.81 -03 08 31.5	20.7 RoEX161926
K15XG9O	C2015 12 14.47449 08 24 00.40 -03 08 32.4	20.9 RoEX161926
K15XG9O	C2015 12 14.48355 08 24 02.83 -03 08 33.4	20.8 RoEX161926
K15XG9R	C2015 12 13.18608 01 27 55.40 +10 30 35.6	18.5 RuEX161926
K15XG9R	C2015 12 13.25535 01 11 29.56 +08 59 40.2	18.6 RuEX161926
K15XG9R	C2015 12 13.25640 01 11 14.01 +08 58 11.6	18.4 RuEX161926
K15XG9R	C2015 12 13.25744 01 10 58.58 +08 56 43.6	18.6 RuEX161926
K15XG9U	C2015 12 13.40023 10 42 48.87 +71 27 36.1	21.6 RoEX161926
K15XG9U	C2015 12 13.40380 10 43 09.47 +71 27 32.1	21.0 RoEX161926
K15XG9U	C2015 12 13.40736 10 43 29.86 +71 27 27.1	21.2 RoEX161926
K15XG9V	C2015 12 13.52713 08 11 34.601+02 53 39.92	21.1 wLEX161F51
K15XG9V	C2015 12 13.53999 08 11 35.308+02 54 35.05	21.0 wLEX161F51
K15XG9V	C2015 12 13.55256 08 11 36.005+02 55 28.91	20.9 wLEX161F51
K15XG9V	C2015 12 13.56536 08 11 36.709+02 56 23.86	20.9 wLEX161F51
K15XG9V	C2015 12 14.38295 08 12 30.10 +03 56 10.8	20.7 RoEX161926
K15XG9V	C2015 12 14.38571 08 12 30.26 +03 56 22.9	20.7 RoEX161926
K15XG9V	C2015 12 14.38850 08 12 30.44 +03 56 35.2	20.4 RoEX161926
K15XG9X	C2015 12 13.20348 02 51 47.75 -03 11 25.6	19.5 RoEX161926
K15XG9X	C2015 12 13.20633 02 51 44.74 -03 12 52.3	19.7 RoEX161926
K15XG9X	C2015 12 13.26507 02 50 43.58 -03 42 40.7	20.3 RoEX161926
K15XG9X	C2015 12 13.26792 02 50 40.67 -03 44 06.7	20.4 RoEX161926
K15XG9X	C2015 12 13.27075 02 50 37.72 -03 45 33.6	20.5 RoEX161926
K15XG9Y	C2015 12 13.53542 10 15 58.66 +26 34 54.1	20.5 RoEX161926
K15XG9Y	C2015 12 13.53856 10 16 01.28 +26 35 18.7	20.4 RoEX161926

K15XG9Y	C2015 12 13.54170 10 16 03.91 +26 35 43.1	21.2 RoEX161926
K15XQ1H	HC2015 12 14.38247 05 29 40.74 +25 16 32.0	oEX161691
K15XQ1H	HC2015 12 14.38523 05 29 40.69 +25 16 36.5	oEX161691
K15XQ1H	HC2015 12 14.38798 05 29 40.59 +25 16 41.4	21.5 VoEX161691
K15XQ1L	C2015 12 13.33425 07 24 27.10 +54 18 32.9	20.0 RuEX161926
K15XQ1L	C2015 12 13.33762 07 24 35.70 +54 19 03.9	19.5 RuEX161926
K15XQ1L	C2015 12 13.34100 07 24 44.23 +54 19 34.4	19.8 RuEX161926
K15XQ1L	C2015 12 13.40591 07 27 30.55 +54 29 06.4	19.6 RuEX161926
K15XQ1L	C2015 12 13.40929 07 27 39.36 +54 29 36.2	19.7 RuEX161926
K15XQ1L	C2015 12 13.41266 07 27 48.01 +54 30 04.5	20.0 RuEX161926
K15XQ1N	C2015 12 13.32303 06 17 05.02 +46 39 26.1	20.0 RuEX161926
K15XQ1N	C2015 12 13.32594 06 17 03.87 +46 39 38.1	19.7 RuEX161926
K15XQ1N	C2015 12 13.32885 06 17 02.70 +46 39 49.3	19.7 RuEX161926
K15XQ1N	C2015 12 13.36854 06 16 46.35 +46 42 25.1	19.9 RuEX161926
K15XQ1N	C2015 12 13.37146 06 16 45.20 +46 42 35.9	19.4 RuEX161926
K15XQ1N	C2015 12 13.37436 06 16 44.03 +46 42 46.5	19.5 RuEX161926
K15XQ1V	C2015 12 13.26064 03 50 11.55 +53 16 44.9	20.6 RuEX161926
K15XQ1V	C2015 12 13.26470 03 50 11.58 +53 17 47.9	20.1 RuEX161926
K15XQ1V	C2015 12 13.26876 03 50 11.55 +53 18 50.4	20.2 RuEX161926
K15XQ1V	C2015 12 13.27284 03 50 11.68 +53 19 53.2	19.9 RuEX161926
K15XQ1V	C2015 12 13.27690 03 50 11.72 +53 20 56.3	19.7 RuEX161926
K15XQ1V	C2015 12 13.28098 03 50 11.77 +53 21 58.6	19.8 RuEX161926
K15XQ1Y	KC2015 12 12.85135404 50 14.53 +13 31 55.1	19.0 RqEX161K92
K15XQ1Y	KC2015 12 12.85392904 50 14.82 +13 31 38.4	19.1 RqEX161K92
K15XQ1Y	KC2015 12 12.85651604 50 15.10 +13 31 21.7	18.6 RqEX161K92
K15XQ1Y	KC2015 12 12.85911004 50 15.38 +13 31 04.7	18.6 RqEX161K92
K15XQ1Y	KC2015 12 12.86426504 50 15.93 +13 30 31.0	18.0 RqEX161K92
K15XQ1Y	KC2015 12 12.97702 04 50 46.87 +13 09 15.0	19.0 RqEX161J22
K15XQ1Y	KC2015 12 12.98373 04 50 47.62 +13 08 25.8	18.9 RqEX161J22
K15XQ1Y	KC2015 12 12.99023 04 50 48.36 +13 07 37.3	18.8 RqEX161J22
K15XQ1Y_C	2015 12 13.50426104 53 24.545+11 47 31.93	18.1 RtEX161568
K15XQ1Y_C	2015 12 13.50538104 53 24.805+11 47 18.25	18.1 RtEX161568
K15XQ1Y_C	2015 12 13.50650504 53 25.068+11 47 04.50	18.1 RtEX161568
K15XZ1J	C2015 12 13.42516 03 53 01.501+18 08 58.29	21.3 wLEX161F51
K15XZ1J	C2015 12 13.43929 03 53 01.156+18 08 08.68	21.4 wLEX161F51
K15XZ1J	C2015 12 13.45361 03 53 00.787+18 07 18.17	21.3 wLEX161F51
K15XZ1J	HC2015 12 14.25147 03 52 52.39 +17 22 07.1	21.6 VoEX161691
K15XZ1J	HC2015 12 14.25443 03 52 52.26 +17 21 57.9	21.4 VoEX161691
K15XZ1J	HC2015 12 14.25738 03 52 52.20 +17 21 48.2	21.5 VoEX161691
01620	KC2015 12 09.04071201 40 04.56 +40 56 19.9	17.3 VuEX161H21
01620	KC2015 12 09.04218801 40 04.50 +40 56 18.3	17.4 VuEX161H21
01620	KC2015 12 09.04407101 40 04.42 +40 56 16.3	17.5 VuEX161H21
01620	KC2015 12 09.04559101 40 04.36 +40 56 14.7	17.4 VuEX161H21
01620	KC2015 12 09.04697501 40 04.30 +40 56 13.2	17.3 VuEX161H21
01620	KC2015 12 10.01935601 39 31.08 +40 38 49.2	17.5 VuEX161H21
01620	KC2015 12 10.02075001 39 31.01 +40 38 47.6	17.6 VuEX161H21
01620	KC2015 12 10.02214101 39 30.97 +40 38 46.3	16.8 VuEX161H21
01620	KC2015 12 10.02353501 39 30.92 +40 38 44.8	17.4 VuEX161H21
01620	KC2015 12 10.02492801 39 30.88 +40 38 43.3	17.6 VuEX161H21
01620	KC2015 12 10.02632301 39 30.81 +40 38 41.9	17.5 VuEX161H21
01916	KC2015 12 10.15583404 59 53.60 +44 26 17.8	19.3 VuEX161H21
01916	KC2015 12 10.15787604 59 53.38 +44 26 17.2	19.3 VuEX161H21
01916	KC2015 12 10.15991804 59 53.17 +44 26 16.7	19.3 VuEX161H21
01916	KC2015 12 10.16196004 59 52.95 +44 26 16.1	19.3 VuEX161H21
02059	C2015 12 13.57834 10 01 37.800-03 45 07.13	19.3 wLEX161F51
02059	C2015 12 13.59111 10 01 37.932-03 45 11.97	19.3 wLEX161F51
02059	C2015 12 13.60388 10 01 38.064-03 45 16.76	19.4 wLEX161F51
02059	C2015 12 13.61667 10 01 38.193-03 45 21.58	19.4 wLEX161F51

02212	KC2015 12 10.13453604 17 30.13 +32 42 25.4	18.2 VuEX161H21
02212	KC2015 12 10.14270404 17 29.37 +32 42 23.2	18.1 VuEX161H21
02212	KC2015 12 10.14678804 17 29.02 +32 42 22.4	18.8 VuEX161H21
02212	KC2015 12 10.15053104 17 28.68 +32 42 21.9	18.7 VuEX161H21
02329	C2015 12 13.60665 10 11 37.607-02 52 50.34	21.5 wLEX161F51
02329	C2015 12 13.61945 10 11 37.555-02 52 51.79	21.3 wLEX161F51
03200	KC2015 12 10.06080801 32 33.35 +30 56 59.2	18.0 VuEX161H21
03200	KC2015 12 10.06489301 32 33.08 +30 56 55.1	18.0 VuEX161H21
03200	KC2015 12 10.06897801 32 32.80 +30 56 51.1	18.4 VuEX161H21
03200	KC2015 12 10.07306401 32 32.52 +30 56 46.8	18.5 VuEX161H21
03200	KC2015 12 10.07612001 32 32.32 +30 56 43.5	18.4 VuEX161H21
03200	KC2015 12 10.07876001 32 32.16 +30 56 40.8	18.7 VuEX161H21
03752	KC2015 08 27.82383 18 31 02.90 +18 46 09.5	17.5 RqEX161160
03752	KC2015 08 27.82571 18 31 02.85 +18 46 04.5	17.6 RqEX161160
03752	KC2015 08 27.82759 18 31 02.80 +18 45 59.6	17.5 RqEX161160
03753	KC2015 08 28.09025 04 41 50.16 -04 50 52.6	18.4 RqEX161160
03753	KC2015 08 28.09231 04 41 50.51 -04 50 54.1	18.6 RqEX161160
03753	KC2015 08 28.09435 04 41 50.87 -04 50 55.6	18.7 RqEX161160
04055	KC2015 08 27.89468 22 29 48.74 +12 08 20.8	13.0 RqEX161160
04055	KC2015 08 27.89647 22 29 48.92 +12 08 10.6	13.0 RqEX161160
04055	KC2015 08 27.89826 22 29 49.08 +12 08 00.6	13.0 RqEX161160
04450	C2015 12 13.54636 02 09 41.61 +22 02 44.7	20.1 RqEX161D29
04450	C2015 12 13.56047 02 09 41.01 +22 02 36.8	20.8 RqEX161D29
04450	C2015 12 13.57458 02 09 40.41 +22 02 30.6	20.5 RqEX161D29
05189	C2015 12 14.22126 00 00 36.541-06 02 47.39	19.6 wLEX161F51
05189	C2015 12 14.23328 00 00 38.636-06 02 31.09	19.6 wLEX161F51
05189	C2015 12 14.24534 00 00 40.739-06 02 14.70	19.8 wLEX161F51
05646	KC2015 11 23.97269022 38 29.98 -04 39 49.0	16.9 VuEX161H21
07822	KC2015 08 27.80968 17 37 26.37 +22 35 52.9	15.9 RqEX161160
07822	KC2015 08 27.81163 17 37 26.11 +22 35 31.7	15.9 RqEX161160
07822	KC2015 08 27.81356 17 37 25.91 +22 35 10.9	15.9 RqEX161160
08034	KC2015 12 10.37486208 38 57.95 +15 56 15.6	22.1 VuEX161H21
08034	KC2015 12 10.38624008 38 57.61 +15 56 15.4	22.2 VuEX161H21
08034	KC2015 12 10.40063008 38 57.13 +15 56 15.5	22.1 VuEX161H21
09400	KC2015 08 28.00726 02 23 21.84 +03 09 48.5	16.2 RqEX161160
09400	KC2015 08 28.00924 02 23 21.96 +03 09 54.1	16.3 RqEX161160
09400	KC2015 08 28.01125 02 23 22.05 +03 09 59.7	16.2 RqEX161160
10302	C2015 12 13.73759 05 54 46.66 +18 26 13.9	19.0 RqEX161D29
10302	C2015 12 13.75170 05 54 44.71 +18 26 19.7	19.2 RqEX161D29
11054	KC2015 08 28.03009 02 57 57.83 +19 27 32.8	18.2 RqEX161160
11054	KC2015 08 28.03216 02 57 58.25 +19 27 35.3	18.5 RqEX161160
11054	KC2015 08 28.03424 02 57 58.67 +19 27 37.6	18.6 RqEX161160
11054	C2015 12 09.12052 10 44 08.87 +16 13 51.8	18.3 RoEX161Z22
11054	C2015 12 09.13097 10 44 10.28 +16 13 40.8	17.6 RoEX161Z22
11054	C2015 12 09.13880 10 44 11.31 +16 13 32.7	17.5 RoEX161Z22
11054	KC2015 12 11.40407010 49 04.55 +15 35 06.9	17.7 VuEX161H21
11054	KC2015 12 11.40546410 49 04.73 +15 35 05.3	17.6 VuEX161H21
11054	KC2015 12 11.40685810 49 04.89 +15 35 04.1	17.5 VuEX161H21
11054	KC2015 12 11.40825310 49 05.06 +15 35 02.7	17.8 VuEX161H21
11054	KC2015 12 11.40964710 49 05.23 +15 35 01.3	17.6 VuEX161H21
11054	KC2015 12 11.41104110 49 05.38 +15 35 00.0	17.4 VuEX161H21
11054	KC2015 12 11.41243610 49 05.55 +15 34 58.7	17.3 VuEX161H21
11054	KC2015 12 11.41383010 49 05.72 +15 34 57.1	17.5 VuEX161H21
22099	KC2015 12 11.41792207 52 02.98 -09 18 03.3	18.0 VuEX161H21
22099	KC2015 12 11.41966007 52 02.73 -09 18 01.7	17.6 VuEX161H21
22099	KC2015 12 11.42140007 52 02.48 -09 17 59.8	17.4 VuEX161H21
22099	KC2015 12 11.42311107 52 02.23 -09 17 58.3	17.7 VuEX161H21
22099	KC2015 12 11.42487907 52 01.99 -09 17 56.8	17.1 VuEX161H21

22099	KC2015 12 11.42722707 52 01.66 -09 17 54.7	17.7 VuEX161H21
23187	KC2015 08 27.88085 21 34 44.61 +14 58 34.4	18.0 RqEX161160
23187	KC2015 08 27.88290 21 34 44.37 +14 58 30.6	18.4 RqEX161160
23187	KC2015 08 27.88496 21 34 44.17 +14 58 26.8	18.4 RqEX161160
33342	C2015 12 03.44283707 31 01.57 -04 46 56.8	13.4 VuEX161H21
33342	C2015 12 03.44427607 31 00.39 -04 46 54.8	13.4 VuEX161H21
33342	C2015 12 03.44571507 30 59.22 -04 46 52.9	13.4 VuEX161H21
33342	C2015 12 03.44715107 30 58.04 -04 46 50.9	13.3 VuEX161H21
33342	C2015 12 03.44858807 30 56.86 -04 46 48.9	13.4 VuEX161H21
33342	C2015 12 03.45002907 30 55.68 -04 46 47.0	13.4 VuEX161H21
53110	C2015 12 10.44166807 44 50.90 +30 00 28.1	16.9 VuEX161H21
53110	C2015 12 10.44306207 44 50.88 +30 00 35.0	17.0 VuEX161H21
53110	C2015 12 10.44445507 44 50.85 +30 00 41.8	17.1 VuEX161H21
53110	C2015 12 10.44585207 44 50.81 +30 00 48.7	17.0 VuEX161H21
53110	C2015 12 10.44724607 44 50.79 +30 00 55.6	17.2 VuEX161H21
53110	KC2015 12 14.12022 07 43 15.79 +35 17 12.9	16.8 VqEX161D08
53110	KC2015 12 14.18637 07 43 12.99 +35 23 06.9	16.8 VqEX161D08
53110	KC2015 12 14.21328 07 43 11.91 +35 25 29.5	16.8 VqEX161D08
66008	KC2015 08 27.92896 23 31 48.18 +11 25 26.8	17.9 RqEX161160
66008	KC2015 08 27.93103 23 31 47.95 +11 25 21.3	18.0 RqEX161160
66008	KC2015 08 27.93311 23 31 47.72 +11 25 15.8	17.9 RqEX161160
66146	KC2015 08 28.09729 04 58 42.48 +14 36 26.3	16.0 RqEX161160
66146	KC2015 08 28.09925 04 58 42.84 +14 36 26.4	16.0 RqEX161160
66146	KC2015 08 28.10121 04 58 43.20 +14 36 26.5	16.1 RqEX161160
66251	C2015 12 13.63411 11 17 45.079-07 23 10.72	20.5 wLEX161F51
66251	C2015 12 13.63926 11 17 45.448-07 23 13.86	20.5 wLEX161F51
66251	C2015 12 13.64441 11 17 45.818-07 23 17.01	20.4 wLEX161F51
66251	C2015 12 13.64957 11 17 46.195-07 23 20.14	20.5 wLEX161F51
85275	KC2015 12 03.38778308 00 12.99 -01 57 36.4	18.7 VuEX161H21
85275	KC2015 12 03.38994408 00 12.89 -01 57 36.1	18.5 VuEX161H21
85275	KC2015 12 03.39210008 00 12.81 -01 57 35.9	18.4 VuEX161H21
85275	KC2015 12 03.39425608 00 12.70 -01 57 35.7	18.3 VuEX161H21
86666	KC2015 08 27.90065 22 43 28.99 +38 29 01.1	17.0 RqEX161160
86666	KC2015 08 27.90263 22 43 28.84 +38 29 00.2	17.0 RqEX161160
86666	KC2015 08 27.90461 22 43 28.71 +38 28 59.1	16.9 RqEX161160
96631	C2015 12 13.37612 05 53 51.027+26 53 08.67	19.6 wLEX161F51
96631	C2015 12 13.38729 05 53 49.820+26 53 09.04	19.6 wLEX161F51
96631	C2015 12 13.39851 05 53 48.599+26 53 09.39	19.6 wLEX161F51
B2985	KC2015 12 03.09509723 16 28.53 -02 22 17.7	17.9 VuEX161H21
B2985	KC2015 12 03.09647623 16 28.81 -02 22 19.3	17.7 VuEX161H21
B2985	KC2015 12 03.09804123 16 29.09 -02 22 21.6	17.9 VuEX161H21
B2985	KC2015 12 03.09955023 16 29.38 -02 22 24.1	17.9 VuEX161H21
B2985	KC2015 12 03.10098823 16 29.64 -02 22 26.2	18.0 VuEX161H21
B2985	KC2015 12 03.10244423 16 29.93 -02 22 28.5	17.7 VuEX161H21
B2985	KC2015 12 03.10451423 16 30.34 -02 22 31.4	18.2 VuEX161H21
D6839	C2015 12 14.21246 00 26 34.058-03 33 04.89	20.7 wLEX161F51
D6839	C2015 12 14.22449 00 26 34.450-03 32 53.78	20.6 wLEX161F51
D6839	C2015 12 14.23653 00 26 34.843-03 32 42.65	20.6 wLEX161F51
D7084	KC2015 12 10.06487723 59 38.35 +38 21 35.5	18.4 VuEX161H21
D7084	KC2015 12 10.06697523 59 38.70 +38 21 31.6	18.5 VuEX161H21
D7084	KC2015 12 10.06907123 59 39.08 +38 21 27.9	18.6 VuEX161H21
D7084	KC2015 12 10.07116223 59 39.45 +38 21 24.0	18.3 VuEX161H21
D7084	KC2015 12 10.07325323 59 39.83 +38 21 20.1	18.4 VuEX161H21
D8852	C2015 12 13.49113 01 36 03.43 +24 47 26.8	18.7 RqEX161D29
D8852	C2015 12 13.50524 01 36 02.74 +24 47 55.7	19.6 RqEX161D29
D8852	C2015 12 13.51935 01 36 02.09 +24 48 24.6	19.7 RqEX161D29
E4411	C2015 12 13.36559 05 54 03.995+29 09 24.30	19.6 wLEX161F51
E4411	C2015 12 13.37679 05 54 02.863+29 09 22.61	19.7 wLEX161F51

F2679	KC2015 08 28.08337 04 28 54.55 +27 09 25.6	17.9 RqEX161160
F2679	KC2015 08 28.08535 04 28 54.83 +27 09 24.6	18.0 RqEX161160
F2679	KC2015 08 28.08730 04 28 55.09 +27 09 23.6	18.3 RqEX161160
F5110	KC2015 12 09.05689201 12 25.20 +01 26 00.2	18.8 VuEX161H21
F5110	KC2015 12 09.05827701 12 25.28 +01 25 58.7	19.0 VuEX161H21
F5110	KC2015 12 09.05966201 12 25.37 +01 25 57.1	19.0 VuEX161H21
F5110	KC2015 12 09.06139301 12 25.47 +01 25 55.1	19.3 VuEX161H21
F5334	KC2015 08 27.98548 01 40 16.96 +02 36 14.0	17.5 RqEX161160
F5334	KC2015 08 27.98749 01 40 16.90 +02 36 14.8	17.7 RqEX161160
F5334	KC2015 08 27.98949 01 40 16.84 +02 36 15.7	17.6 RqEX161160
F5341	C2015 12 13.56262 09 47 52.53 -23 00 04.1	18.6 wLEX161T05
F5341	C2015 12 13.59471 09 47 55.52 -22 59 49.4	18.4 wLEX161T05
F5341	C2015 12 13.59942 09 47 56.03 -22 59 46.6	18.5 wLEX161T05
F5341	C2015 12 13.62230 09 47 58.20 -22 59 38.4	18.5 wLEX161T05
F9368	KC2015 12 10.40312008 38 40.23 +22 48 16.6	20.6 VuEX161H21
F9368	KC2015 12 10.40720408 38 40.08 +22 48 17.5	20.8 VuEX161H21
F9368	KC2015 12 10.41128808 38 39.94 +22 48 18.0	20.5 VuEX161H21
F9368	KC2015 12 10.41529308 38 39.77 +22 48 18.3	20.4 VuEX161H21
F9399	C2015 12 14.21711 00 49 00.996-03 02 01.21	19.5 wLEX161F51
F9399	C2015 12 14.24116 00 49 01.790-03 02 20.56	19.4 wLEX161F51
F9399	C2015 12 14.25320 00 49 02.189-03 02 30.27	19.5 wLEX161F51
F9504	KC2015 12 09.07698402 42 22.31 -05 38 12.7	17.5 VuEX161H21
F9504	KC2015 12 09.07837802 42 22.42 -05 38 08.7	17.4 VuEX161H21
F9504	KC2015 12 09.07989602 42 22.54 -05 38 04.6	17.5 VuEX161H21
F9504	KC2015 12 09.08150602 42 22.67 -05 38 00.0	17.4 VuEX161H21
F9504	KC2015 12 09.08289402 42 22.77 -05 37 56.1	17.0 VuEX161H21
F9504	C2015 12 13.47880 02 48 25.76 -02 24 59.8	17.4 RuEX161Q60
F9504	C2015 12 13.48897 02 48 26.53 -02 24 34.9	17.5 RuEX161Q60
F9504	C2015 12 13.49818 02 48 27.21 -02 24 12.1	17.3 RuEX161Q60
G2273	KC2015 12 09.12517902 02 34.55 +12 20 19.6	20.1 VuEX161H21
G2273	KC2015 12 09.12726902 02 34.55 +12 20 17.5	20.1 VuEX161H21
G2273	KC2015 12 09.12935902 02 34.51 +12 20 15.4	20.1 VuEX161H21
G2273	KC2015 12 09.13144902 02 34.52 +12 20 13.6	20.0 VuEX161H21
G3000	KC2015 08 27.97114 01 42 45.17 +04 00 16.3	18.0 RqEX161160
G3000	KC2015 08 27.97322 01 42 45.24 +04 00 17.9	18.0 RqEX161160
G3000	KC2015 08 27.97528 01 42 45.31 +04 00 18.7	17.6 RqEX161160
G3696	C2015 12 09.97619500 54 42.66 +17 40 42.5	14.7 VuEX161H21
G3696	C2015 12 09.97755600 54 42.96 +17 40 55.0	14.7 VuEX161H21
G3696	C2015 12 09.97891800 54 43.27 +17 41 08.0	14.6 VuEX161H21
G3696	C2015 12 09.98027900 54 43.59 +17 41 20.7	14.6 VuEX161H21
G3696	C2015 12 09.98164000 54 43.91 +17 41 33.6	14.5 VuEX161H21
G3696	C2015 12 09.98300200 54 44.23 +17 41 46.4	14.6 VuEX161H21
G3696	C2015 12 09.98436300 54 44.55 +17 41 59.2	14.6 VuEX161H21
G3760	KC2015 08 27.86622 21 16 29.94 +08 30 48.2	18.9 RqEX161160
G3760	KC2015 08 27.86831 21 16 29.79 +08 30 47.2	18.4 RqEX161160
G3760	KC2015 08 27.87039 21 16 29.66 +08 30 46.0	18.7 RqEX161160
G4121	KC2015 08 28.14443 06 21 25.48 +22 19 27.1	18.2 RqEX161160
G4121	KC2015 08 28.14646 06 21 26.01 +22 19 31.6	18.6 RqEX161160
G4121	KC2015 08 28.14851 06 21 26.58 +22 19 36.3	18.3 RqEX161160
J0161	KC2015 08 28.06906 04 19 45.82 +27 27 32.6	18.5 RqEX161160
J0161	KC2015 08 28.07111 04 19 46.23 +27 27 33.9	18.3 RqEX161160
J0161	KC2015 08 28.07317 04 19 46.67 +27 27 35.2	18.4 RqEX161160
J4386	C2015 12 13.42645 03 53 06.290+17 17 46.86	17.3 wLEX161F51
J4386	C2015 12 13.44058 03 53 04.525+17 17 24.56	17.4 wLEX161F51
J4386	C2015 12 13.45490 03 53 02.744+17 17 01.87	17.7 wLEX161F51
J4386	C2015 12 13.62460 03 52 43.02 +17 12 32.6	17.4 RqEX161D29
J4386	C2015 12 13.63871 03 52 41.24 +17 12 10.9	17.4 RqEX161D29
J4386	C2015 12 13.65282 03 52 39.50 +17 11 48.4	17.1 RqEX161D29

K0840	C2015 12 13.63165 03 48 11.84 +20 56 41.1	20.5 RqEX161D29
K0840	C2015 12 13.65987 03 48 09.25 +20 56 30.8	18.7 RqEX161D29
K6378	KC2015 08 27.92285 01 04 08.28 +52 33 17.3	14.8 RqEX161160
K6378	KC2015 08 27.92466 01 04 10.35 +52 33 35.8	14.8 RqEX161160
K6378	KC2015 08 27.92644 01 04 12.36 +52 33 54.1	14.7 RqEX161160
L2359	KC2015 12 03.40849308 30 18.92 -08 42 43.6	19.0 VuEX161H21
L2359	KC2015 12 03.41065008 30 18.74 -08 42 43.6	18.7 VuEX161H21
L2359	KC2015 12 03.41280708 30 18.56 -08 42 43.8	19.0 VuEX161H21
L2359	KC2015 12 03.41496508 30 18.33 -08 42 44.1	18.2 VuEX161H21
M5586	C2015 12 13.37353 05 24 26.662+28 34 52.10	21.0 wLEX161F51
M5586	C2015 12 13.38470 05 24 24.868+28 34 55.05	21.0 wLEX161F51
M5586	C2015 12 13.39592 05 24 23.083+28 34 57.99	20.9 wLEX161F51
N7805	KC2015 08 28.06097 04 13 39.24 +46 41 55.1	17.9 RqEX161160
N7805	KC2015 08 28.06459 04 13 40.35 +46 42 15.1	17.9 RqEX161160
N7805	KC2015 08 28.06595 04 13 40.77 +46 42 22.7	17.9 RqEX161160
O1596	C2015 12 13.50260 01 18 53.84 +19 10 38.9	18.5 RqEX161D29
O1596	C2015 12 13.51671 01 18 56.03 +19 10 11.0	18.4 RqEX161D29
O1596	C2015 12 13.53082 01 18 58.20 +19 09 42.8	18.3 RqEX161D29
P3106	KC2015 12 08.98331723 01 37.45 +16 38 28.2	16.9 VuEX161H21
P3106	KC2015 12 08.98470223 01 36.72 +16 38 27.6	17.0 VuEX161H21
P3106	KC2015 12 08.98608723 01 35.98 +16 38 26.9	17.2 VuEX161H21
P3106	KC2015 12 08.98747423 01 35.25 +16 38 26.3	17.1 VuEX161H21
P3106	KC2015 12 08.98886223 01 34.52 +16 38 25.6	16.8 VuEX161H21
P3106	KC2015 12 08.99052923 01 33.64 +16 38 24.9	17.1 VuEX161H21
S1365	C2015 12 12.16672 11 58 19.64 +31 29 35.8	19.6 RoEX161Z22
S1365	C2015 12 12.17441 11 58 19.47 +31 29 42.1	19.4 RoEX161Z22
S1365	C2015 12 12.18243 11 58 19.24 +31 29 45.5	19.7 RoEX161Z22
T4739	KC2015 08 27.81646 17 38 40.44 +33 17 21.9	18.2 RqEX161160
T4739	KC2015 08 27.81848 17 38 40.22 +33 17 23.5	18.6 RqEX161160
T4739	KC2015 08 27.82050 17 38 39.98 +33 17 25.0	18.3 RqEX161160
W9340	C2015 12 13.63411 11 24 15.860-06 54 38.17	21.5 wLEX161F51
W9340	C2015 12 13.63926 11 24 16.602-06 54 48.91	21.4 wLEX161F51
W9340	C2015 12 13.64957 11 24 18.088-06 55 10.54	21.2 wLEX161F51
X1792	C2015 12 13.58910 11 01 13.074-04 28 03.48	20.4 wLEX161F51
X1792	C2015 12 13.60186 11 01 13.681-04 28 17.66	20.3 wLEX161F51
X1792	C2015 12 13.61463 11 01 14.293-04 28 31.92	20.1 wLEX161F51
X1792	C2015 12 13.62744 11 01 14.901-04 28 46.15	20.1 wLEX161F51
X1792	C2015 12 13.63024 11 01 15.037-04 28 49.23	20.2 wLEX161F51
X1792	C2015 12 13.63540 11 01 15.282-04 28 55.06	20.2 wLEX161F51
X1792	C2015 12 13.64055 11 01 15.529-04 29 00.72	20.1 wLEX161F51
Z4876	C2015 12 13.47964 05 43 01.498-03 14 22.32	19.4 wLEX161F51
Z4876	C2015 12 13.50580 05 42 57.263-03 14 00.49	19.4 wLEX161F51
Z4876	C2015 12 13.51887 05 42 55.146-03 13 49.50	19.4 wLEX161F51
Z7058	C2015 12 13.48029 05 35 26.230-00 18 54.91	21.3 wLEX161F51
Z7058	C2015 12 13.49335 05 35 24.782-00 18 52.27	21.3 wLEX161F51
Z7058	C2015 12 13.50644 05 35 23.318-00 18 49.56	21.3 wLEX161F51
Z7058	C2015 12 13.51952 05 35 21.867-00 18 46.88	21.6 wLEX161F51
a9984	KC2015 08 27.85065 20 58 06.37 +00 12 44.2	18.3 RqEX161160
a9984	KC2015 08 27.85260 20 58 05.98 +00 12 45.6	17.8 RqEX161160
a9984	KC2015 08 27.85457 20 58 05.57 +00 12 47.1	17.7 RqEX161160
d1451	C2015 12 13.36892 04 57 06.103+29 01 40.94	21.6 wLEX161F51
d1451	C2015 12 13.38014 04 57 04.917+29 01 36.09	21.7 wLEX161F51
d1451	C2015 12 13.39133 04 57 03.737+29 01 31.09	21.7 wLEX161F51
h6724	KC2015 08 27.93796 00 16 50.04 +36 44 27.2	17.7 RqEX161160
h6724	KC2015 08 27.93996 00 16 49.91 +36 44 24.8	17.5 RqEX161160
h6724	KC2015 08 27.94196 00 16 49.81 +36 44 22.3	17.3 RqEX161160
i0212	C2015 12 13.63153 11 06 05.702+00 15 28.78	20.2 wLEX161F51
i0212	C2015 12 13.63669 11 06 06.032+00 15 26.72	20.4 wLEX161F51