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MPEC 2016-Y08 : DAILY ORBIT UPDATE (2016 DEC. 18 UT)

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M.P.E.C. 2016-Y08 Issued 2016 Dec. 18, 13:05 UT

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DAILY ORBIT UPDATE (2016 DEC. 18 UT)

Update to MPEC 2016-Y07

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

New identification:

K16R39X	K05Un0K		MPCW
K16U34V	K06U57F		MPCW
K16V05N	K13G28G		MPCW
K16V14M	J99VM4N		MPCW
K16V18G	K03Y37U		MPCW
K16V18K	K08X50X	K12W11T	MPCW
K16V18L	K12U72T		MPCW
K16V18T	K06DI3W		MPCW
K16W05D	J94S12K		MPCW
K16W05M	K11T11L		MPCW
K16W05R	K10O57H		MPCW
K16W05S	K09WI0R		MPCW
K16W18Z	K10P67C		MPCW
K16W19Q	K05X30O	K10P21B	MPCW
K16W27D	K10L80S		MPCW
K16W35C	K05UP9O		MPCW
K16W37E	K12T09S		MPCW
K16W37G	K06J17K	K10N85E	MPCW
K16W37X	K09WC2G		MPCW
K16W39L	K10M02M		MPCW
K16W40E	K10J73C		MPCW
K16W40N	K03U70B		MPCW
K16W42D	K07W28P		MPCW
K16W43Q	K13A91W		MPCW
K16W44B	J95V08P		MPCW
K16W44R	K10TE3L		MPCW
K16W51J	K08Y69B		MPCW
K16W52C	K04X55S		MPCW
K16W52F	K06J00W		MPCW
K16W52H	K05QG3Y		MPCW
K16W52L	K10JF2A		MPCW
K16W52M	K12B26N		MPCW
K16W52O	K10S05K		MPCW
K16W52P	K10L08O		MPCW
K16W52T	K10M85J		MPCW
K16W52W	K08X40F		MPCW
K16W53C	J95T01W	J99RN0M	MPCW
K16W53D	K00Y33M	K12B34K	MPCW
K16W53F	K05UW8A	K09Y21D	MPCW
K16W53K	K10P46K		MPCW
K16W53N	K10M15L		MPCW
K16W53P	K10JB8S		MPCW
K16W53Q	K08Y96A		MPCW
K16W53R	K05J79B		MPCW
K16W53S	K10M57Y		MPCW
K16W53T	K05W55M		MPCW
K16W53U	K10P43X		MPCW
K16W53W	K03SV7U	K07TX7O	MPCW

K16W54B	K04RR8N	K06B82P	K12BD3N	MPCW
K16W54D	K05T75W	K12S67C		MPCW
K16W54H	K04XI5H			MPCW
K16W54J	K12X43E			MPCW
K16W54M	K05NA2T	K10GH0W		MPCW
K16W54O	K09H22V			MPCW
K16W54R	K05X18B			MPCW
K16W54U	K09U08H			MPCW
K16W55C	K03007J			MPCW
K16W55D	K06A45C			MPCW
K16W55G	K10M27Y			MPCW
K16W55H	K13A74V			MPCW
K16W55L	K01UH0D			MPCW
K16X00U	K07W27F			MPCW
K16X00W	K09Y10S			MPCW
K16X02G	K05O24X			MPCW
K16X02M	K10M16M			MPCW
K16X02V	K09V83L			MPCW
K16X02Y	K10TC9C			MPCW
K16X03A	K13G51M			MPCW
K16X03C	K07R83C	K12X480		MPCW
K16X03U	K03W68G			MPCW
K16X03V	K09D61F	K11SL3T		MPCW
K16X03W	K10P180			MPCW
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K16X04G	J97E28Q	K11J11S		MPCW
K16X04J	K13A94R			MPCW
K16X04L	K12BD9T			MPCW
K16X04T	K10P66Z			MPCW
K16X04U	K02JF0K			MPCW
K16X04Y	K12XF6H			MPCW
K16X05G	K06UI5A			MPCW
K16X05Q	K10N48Z			MPCW
K16X05T	K09X23K	K12S33N		MPCW
K16X05Y	K10JC3K			MPCW
K16X06A	K05WJ4U			MPCW
K16X06H	J95M06B			MPCW
K16X06O	K10E08C			MPCW
K16X06P	K09V59A			MPCW
K16X06Q	K10JD9A			MPCW
K16X06T	K05B05X			MPCW
K16X06V	K08F05Y			MPCW
K16X06Z	K08C20O			MPCW
K16X07A	J99TL4A			MPCW
K16X07K	K07W03C			MPCW
K16X07R	K10039D	K13G13L		MPCW
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K16X09S	K06UM9Q			MPCW
K16X09Y	K07J15S	K12X50K		MPCW
K16X11B	K04D73X			MPCW
K16X12A	K05U11U			MPCW
K16X14W	K11F87Z			MPCW
K16X15J	K05X39Q			MPCW
K16X15X	K11L27Q			MPCW
K16X16F	K04R28P			MPCW
K16X16Q	K08O14S			MPCW
K16X18Q	K10LA0A			MPCW
K16X18S	K10G13D			MPCW
K16X18W	K11Uc6C			MPCW
K16X19E	K13C49P			MPCW
K16X19M	K12X14N			MPCW
K16X20A	K08AA0A			MPCW
K16X20R	K06UL2J			MPCW
K16X21J	K10L77D			MPCW
K16X21N	K12X52K			MPCW
K16X21R	K12F13B			MPCW
K16X21U	K05Y00X			MPCW
K16X21W	K10X47E			MPCW
K16X21Y	K05YR5B			MPCW
K16X22A	K10K83Q			MPCW
K16X22B	K01W13P			MPCW
K16X22C	K07K04H			MPCW
K16X22D	K11001H			MPCW
K16X22Z	K08A37X			MPCW
K16X23D	K07Td2N			MPCW

New double designation:

K05NA2T	K05N58W	MPCW
K05X18B	K05YQ1Q	MPCW
K10M02M	K10NA7V	MPCW

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
K01UE2Q	18.0	0.15	K172G	73.145	319.649	37.931	6.881	0.27511	2.39023	4	X
K01XA2T	17.1	0.15	K172G	350.245	240.272	260.112	22.083	0.37756	2.41620	5	X
K01Y04E	20.7	0.15	K172G	289.156	318.814	305.506	4.846	0.54041	0.67686	3	X
K02X37P	20.4	0.15	K172G	315.710	317.592	265.912	21.530	0.35938	0.95514	5	X
K05A29M	17.2	0.15	K172G	29.797	320.109	97.894	5.227	0.28674	2.55040	5	X
K05R07N	16.3	0.15	K172G	30.772	24.757	349.850	14.129	0.28056	3.08692	2	X
K06U00M	18.5	0.15	K172G	9.762	55.339	57.023	15.897	0.53974	2.23338	3	X
K08U90L	18.6	0.15	K172G	279.794	183.634	81.146	24.309	0.37983	0.69502	5	X
K08YH2J	16.0	0.15	K172G	354.967	224.827	246.977	8.138	0.50389	4.11918	2	X
K09WA4Z	20.4	0.15	K172G	182.790	10.544	263.281	9.835	0.19264	0.85535	4	X
K09X21S	18.1	0.15	K172G	11.140	344.046	112.178	10.186	0.30888	2.30348	4	X
K10V95H	16.4	0.15	K172G	3.378	189.517	272.423	13.562	0.51898	3.34934	3	X
K11B44Z	18.9	0.15	K172G	13.512	339.800	75.225	22.341	0.59727	3.25303	2	X
K11K47U	16.0	0.15	K172G	57.588	253.571	99.191	29.833	0.32437	2.62115	3	X
K11Q05E	16.1	0.15	K172G	149.774	11.972	289.497	14.255	0.11186	2.52133	6	X
K11UA6U	18.8	0.15	K172G	10.975	242.016	251.906	9.935	0.48148	1.82627	5	X
K11Y39H	17.8	0.15	K172G	29.087	320.259	109.538	24.835	0.09283	1.88058	4	X
K12BD2K	16.2	0.15	K172G	2.765	22.893	76.864	17.728	0.29388	3.06685	5	X
K12P15R	17.0	0.15	K172G	19.971	176.656	253.607	5.873	0.18813	2.32321	7	X
K12Q42C	17.6	0.15	K172G	49.326	78.102	311.720	10.331	0.26975	2.38157	4	X
K12UH4X	16.5	0.15	K172G	43.033	328.745	71.690	34.005	0.19078	2.57609	3	X
K13AC3O	17.6	0.15	K172G	37.521	155.061	242.547	10.714	0.32824	2.60284	4	X

K13B14H	16.1	0.15	K172G	107.111	234.994	93.825	30.154	0.19496	2.53952	5 X
K13B18K	19.6	0.15	K172G	327.455	64.612	137.760	28.895	0.49456	1.62640	5 X
K14B64V	4.5	0.15	K172G	263.750	345.142	279.238	15.435	0.14490	46.01262	5 X
K14G53S	6.2	0.15	K172G	103.775	336.497	132.214	15.177	0.09675	33.64109	6 X
K14M23O	16.4	0.15	K172G	326.378	245.981	261.324	20.941	0.15676	2.56160	6 X
K15DK4V	17.7	0.15	K172G	307.533	249.496	251.227	17.991	0.07304	1.91708	2 X
K15R38A	16.3	0.15	K172G	45.163	55.440	344.989	9.743	0.04896	3.17468	7 X
K15V02R	17.4	0.15	K172G	89.700	127.174	305.633	20.789	0.53116	3.06050	2 X
K16N15L	20.3	0.15	K172G	32.233	95.866	301.060	5.538	0.55961	2.03932	2 X
K16R39X	16.0	0.15	K172G	32.528	355.951	20.487	17.955	0.21492	3.13155	2 X
K16T56Y	17.3	0.15	K172G	33.208	321.841	83.153	15.576	0.31144	2.42500	4 X
K16U34V	17.0	0.15	K172G	338.910	235.847	217.892	5.675	0.03542	2.81317	2 X
K16UA5P	16.9	0.15	K172G	43.648	284.384	75.423	12.409	0.31935	2.64261	4 X
K16V05N	17.6	0.15	K172G	14.867	58.688	25.839	26.710	0.38404	2.65156	2 X
K16V14M	19.2	0.15	K172G	349.306	10.621	80.762	3.366	0.09026	2.26719	2 X
K16V18G	15.7	0.15	K172G	286.851	83.429	67.382	9.207	0.05405	3.47845	2 X
K16V18K	17.0	0.15	K172G	189.969	181.110	68.025	9.655	0.07305	2.51429	3 W
K16V18L	18.7	0.15	K172G	11.089	264.799	170.774	1.453	0.16999	2.45424	2 X
K16V18T	16.2	0.15	K172G	47.850	353.684	12.647	14.454	0.17774	2.56690	2 X
K16W05D	18.2	0.15	K172G	72.522	319.384	37.932	1.479	0.16623	2.13307	2 X
K16W05M	17.1	0.15	K172G	23.234	207.990	205.945	3.727	0.06087	2.76416	2 X
K16W05R	15.6	0.15	K172G	42.981	326.529	63.601	15.202	0.02238	3.15819	2 X
K16W05S	17.4	0.15	K172G	42.440	168.018	231.087	8.896	0.05053	2.32165	2 X
K16W18Z	16.7	0.15	K172G	347.905	214.199	244.781	26.679	0.17743	3.22260	2 X
K16W19Q	15.9	0.15	K172G	191.838	357.793	242.966	15.277	0.05460	3.18180	3 W
K16W27D	16.8	0.15	K172G	79.156	88.295	251.428	15.514	0.21132	3.06571	2 X
K16W35C	19.1	0.15	K172G	35.061	353.691	52.162	5.703	0.22470	2.36304	2 X
K16W37E	18.2	0.15	K172G	48.147	350.679	31.783	2.763	0.22164	2.44120	2 X
K16W37G	17.0	0.15	K172G	108.446	260.438	58.665	11.826	0.14119	2.64132	3 W
K16W37X	18.5	0.15	K172G	353.496	37.280	64.331	3.913	0.13042	2.30960	2 X
K16W39L	16.3	0.15	K172G	74.794	84.477	249.819	23.377	0.25040	3.15384	2 W
K16W40E	17.2	0.15	K172G	106.095	271.299	49.690	5.479	0.11836	2.71780	2 X
K16W40N	18.0	0.15	K172G	30.368	143.529	263.441	2.563	0.16700	2.62625	2 X
K16W42D	17.5	0.15	K172G	37.913	142.862	247.204	34.037	0.22442	2.72567	2 X
K16W43Q	16.2	0.15	K172G	182.800	354.249	260.041	2.661	0.05196	2.73569	2 X
K16W44B	17.3	0.15	K172G	34.919	339.423	58.451	4.424	0.09632	3.01755	2 X
K16W44R	16.4	0.15	K172G	273.584	278.145	247.037	7.806	0.03572	3.18337	2 X
K16W51J	16.7	0.15	K172G	58.488	18.963	355.011	7.781	0.19921	2.57255	2 X
K16W52C	17.3	0.15	K172G	41.188	28.266	2.211	4.038	0.13031	2.55386	2 X
K16W52F	16.7	0.15	K172G	36.401	4.634	36.099	11.635	0.15695	2.58389	2 X
K16W52H	16.2	0.15	K172G	83.960	313.917	46.930	9.714	0.03887	2.93001	2 X
K16W52L	16.7	0.15	K172G	28.345	359.868	61.478	14.788	0.04632	2.59324	2 X
K16W52M	17.1	0.15	K172G	34.559	339.107	54.431	8.593	0.31117	3.03663	2 X
K16W52O	16.3	0.15	K172G	310.282	231.909	271.394	8.752	0.07370	2.98066	2 X
K16W52P	15.9	0.15	K172G	68.761	315.917	54.538	10.327	0.07642	2.97229	2 X
K16W52T	16.2	0.15	K172G	46.021	330.340	50.737	19.295	0.18185	3.12116	2 X
K16W52W	18.6	0.15	K172G	37.498	65.305	327.922	2.836	0.29051	2.53929	2 X
K16W53C	17.2	0.15	K172G	49.042	5.060	21.962	4.730	0.16238	2.57518	3 W
K16W53D	16.1	0.15	K172G	334.518	225.415	264.188	12.516	0.22715	3.08617	3 W
K16W53F	17.6	0.15	K172G	25.486	24.726	40.030	3.394	0.10064	2.35742	3 W
K16W53K	16.0	0.15	K172G	27.990	159.432	254.260	15.679	0.08436	3.17965	2 X
K16W53N	16.9	0.15	K172G	77.640	105.152	252.733	11.427	0.12227	2.55956	2 X
K16W53P	17.1	0.15	K172G	78.731	287.749	60.497	13.191	0.17182	2.74272	2 X
K16W53Q	18.2	0.15	K172G	46.515	65.842	298.101	4.486	0.39103	2.58080	2 X
K16W53R	17.3	0.15	K172G	335.889	80.719	47.775	12.587	0.21895	2.65566	2 X
K16W53S	16.0	0.15	K172G	7.657	175.269	258.009	20.991	0.11632	3.07162	2 X
K16W53T	18.3	0.15	K172G	24.997	157.608	262.033	9.612	0.20004	2.38188	2 X
K16W53U	16.4	0.15	K172G	334.167	56.728	60.389	26.182	0.13693	3.17895	2 X
K16W53W	16.6	0.15	K172G	82.542	305.887	48.806	3.899	0.07420	2.61239	3 W
K16W54B	16.1	0.15	K172G	356.972	186.797	265.456	2.299	0.14152	3.15699	4 W
K16W54D	17.2	0.15	K172G	84.212	262.005	91.490	7.827	0.14889	2.32055	3 W
K16W54H	17.2	0.15	K172G	23.858	202.550	216.654	0.925	0.13098	2.56235	2 X
K16W54J	17.2	0.15	K172G	23.583	353.616	66.345	4.691	0.13993	2.55401	2 X
K16W54M	16.0	0.15	K172G	60.022	251.699	105.510	1.504	0.22814	2.96767	3 W
K16W54O	16.8	0.15	K172G	348.767	18.692	82.778	9.672	0.12167	2.77247	2 X
K16W54R	17.9	0.15	K172G	18.174	320.446	108.636	3.215	0.19986	2.39805	2 W
K16W54U	18.4	0.15	K172G	62.742	281.209	93.738	3.528	0.19240	2.25157	2 X
K16W55C	16.5	0.15	K172G	125.067	204.669	97.088	6.931	0.19346	2.53792	2 X
K16W55D	17.7	0.15	K172G	35.622	350.180	71.306	9.046	0.27585	2.38725	2 X
K16W55G	15.9	0.15	K172G	29.165	18.296	59.751	18.263	0.09533	2.92559	2 X
K16W55H	17.0	0.15	K172G	39.738	350.887	62.747	16.401	0.25395	2.55190	2 X
K16W55L	17.4	0.15	K172G	54.978	44.193	328.866	1.605	0.19426	2.40210	2 X
K16X00U	16.8	0.15	K172G	88.070	273.365	58.769	13.621	0.23001	2.73450	2 X
K16X00W	19.7	0.15	K172G	41.864	111.288	283.238	3.224	0.26169	2.29881	2 X
K16X02G	17.9	0.15	K172G	24.255	91.306	312.004	10.748	0.28387	2.34595	2 X
K16X02M	16.7	0.15	K172G	31.960	48.469	5.735	22.207	0.26211	3.07597	2 X
K16X02V	19.0	0.15	K172G	53.833	63.460	318.717	2.502	0.19414	2.28943	2 X
K16X02Y	16.5	0.15	K172G	77.889	305.736	47.421	10.824	0.11250	3.11400	2 X
K16X03A	16.4	0.15	K172G	345.601	52.483	52.527	12.169	0.10100	3.01903	2 X
K16X03C	16.7	0.15	K172G	301.267	166.789	1.841	3.632	0.18624	2.53850	3 W
K16X03U	19.2	0.15	K172G	74.729	305.700	64.016	20.458	0.16486	1.88368	2 X
K16X03V	16.7	0.15	K172G	58.352	324.596	53.259	5.751	0.13736	2.74344	3 W
K16X03W	16.0	0.15	K172G	329.502	239.166	255.509	16.902	0.19181	3.14245	2 X
K16X04D	16.2	0.15	K172G	63.225	290.299	70.612	27.473	0.20978	3.05315	2 X
K16X04E	16.5	0.15	K172G	87.613	294.854	58.279	4.000	0.07297	2.57208	3 W
K16X04F	18.5	0.15	K172G	48.798	135.478	248.979	3.883	0.24854	2.24668	2 X
K16X04G	17.5	0.15	K172G	302.712	261.080	259.552	4.390	0.10664	2.26811	3 W
K16X04J	16.5	0.15	K172G	309.521	265.123	242.807	14.049	0.06205	2.55719	2 X
K16X04L	15.9	0.15	K172G	37.979	325.359	69.430	11.730	0.13940	3.19140	2 X
K16X04T	16.2	0.15	K172G	353.541	3.517	89.095	11.398	0.11608	3.20577	2 X
K16X04U	16.6	0.15	K172G	95.845	273.667	68.060	15.307	0.11299	2.57938	2 X
K16X04Y	17.0	0.15	K172G	56.083	293.839	89.741	12.845	0.13391	2.56434	2 X
K16X05G	18.3	0.15	K172G	44.643	153.375	240.332	4.506	0.11068	2.20002	2 X
K16X05Q	16.0	0.15	K172G	32.772	119.978	270.941	6.166	0.17857	3.18877	2 X
K16X05T	17.0	0.15	K172G	347.487	161.631	294.591	6.855	0.06412	2.32648	3 W
K16X05Y	15.5	0.15	K172G	128.340	47.794	247.559	24.570	0.19277	2.56213	2 X
K16X06A	15.8	0.15	K172G	34.858	128.626	269.175	8.810	0.06454	3.11174	2 X
K16X06H	16.2	0.15	K172G	166.393	344.337	278.074	12.987	0.08610	2.53237	2 X
K16X06O	17.3	0.15	K172G	16.539	32.043	38.961	11.227	0.17908	2.31757	2 X
K16X06P	18.1	0.15	K172G	22.067	133.554	291.816	4.458	0.18123	2.28472	2 X
K16X06Q	16.5	0.15	K172G	44.758	338.018	46.427	13.716	0.15433	2.99733	2 X
K16X06T	17.1	0.15	K172G	37.233	33.955	357.927	3.803	0.27055	2.55908	2 X
K16X06V	16.0	0.15	K172G	15.500	115.710	305.280	7.587	0.06907	2.99898	2 X

Table with columns for object ID (K16X07Y to K16X23D), H, G, Epoch, M, Peri., Node, Incl., e, a, and Arc C. Lists orbital parameters for various objects.

New perturbed one-opposition orbits:

Table with columns for Object, H, G, Epoch, M, Peri., Node, Incl., e, a, and Arc C. Lists orbital parameters for new perturbed one-opposition orbits.

New one-opposition orbits:

Table with columns for Object, H, G, Epoch, M, Peri., Node, Incl., e, a, and Arc C. Lists orbital parameters for new one-opposition orbits.

New observations:

Table with columns for object ID, date, and observation details. Lists new observations for various objects.

K08U90L	KC2016	12	17.76455	21	30	47.33	+03	09	38.9	16.2	RqEY008C27
K09WA4Z	KC2016	12	18.09239	21	55	45.96	-03	44	29.5	21.4	RoEY008291
K09WA4Z	KC2016	12	18.10596	21	55	49.87	-03	44	15.3	21.4	RoEY008291
K11UA6U	KC2016	12	14.42202509	43	47.18	-09	54	45.1		17.1	VuEY008H21
K11UA6U	KC2016	12	14.42339009	43	47.85	-09	54	55.8		17.0	VuEY008H21
K11UA6U	KC2016	12	14.42489909	43	48.61	-09	55	07.7		17.2	VuEY008H21
K11UA6U	KC2016	12	14.42633409	43	49.34	-09	55	19.5		17.2	VuEY008H21
K11UA6U	KC2016	12	14.42776909	43	50.06	-09	55	30.7		17.0	VuEY008H21
K11UA6U	KC2016	12	14.42920509	43	50.79	-09	55	41.8		17.4	VuEY008H21
K11UA6U	C2016	12	15.42391609	52	32.40	-12	06	38.1		17.1	VuEY008H21
K11UA6U	C2016	12	15.42566109	52	33.29	-12	06	51.7		17.1	VuEY008H21
K11UA6U	C2016	12	15.42740609	52	34.18	-12	07	05.5		17.0	VuEY008H21
K11UA6U	C2016	12	15.42897609	52	34.97	-12	07	17.8		17.0	VuEY008H21
K13B18K	C2016	12	18.22971	05	54	35.66	-28	13	02.1	20.8	VqEY008I52
K13B18K	C2016	12	18.23510	05	54	34.95	-28	13	00.4	21.9	VqEY008I52
K13B18K	C2016	12	18.24253	05	54	34.13	-28	12	59.8		qEY008I52
K16N15L	KC2016	12	14.08866922	00	07.60	+45	04	48.3		17.6	VuEY008H21
K16N15L	KC2016	12	14.09010422	00	09.32	+45	05	05.3		17.8	VuEY008H21
K16N15L	KC2016	12	14.09154022	00	11.00	+45	05	22.6		17.6	VuEY008H21
K16N15L	KC2016	12	14.09297522	00	12.72	+45	05	39.4		17.8	VuEY008H21
K16N15L	KC2016	12	14.09440922	00	14.43	+45	05	56.6		17.6	VuEY008H21
K16N15L	KC2016	12	14.09656022	00	17.02	+45	06	22.3		17.7	VuEY008H21
K16001J	C2016	12	18.39357	05	35	44.02	+32	29	00.3		qEY008I52
K16001J	C2016	12	18.39928	05	35	43.58	+32	29	01.7		qEY008I52
K16001J	C2016	12	18.40605	05	35	43.19	+32	29	01.5	21.5	VqEY008I52
K16P66Z	C2016	12	15.01775601	58	49.48	+42	06	34.4		17.6	VuEY008H21
K16P66Z	C2016	12	15.01911701	58	50.19	+42	06	23.9		17.4	VuEY008H21
K16P66Z	C2016	12	15.02047901	58	50.95	+42	06	13.3		17.5	VuEY008H21
K16P66Z	C2016	12	15.02183901	58	51.67	+42	06	02.8		17.4	VuEY008H21
K16P66Z	C2016	12	17.60130	02	20	46.82	+36	30	06.7	17.6	RoEY008300
K16P66Z	C2016	12	17.60433	02	20	48.18	+36	29	42.7	17.6	RoEY008300
K16P66Z	C2016	12	17.60736	02	20	49.57	+36	29	18.7	17.7	RoEY008300
K16P66Z	C2016	12	17.61039	02	20	50.92	+36	28	54.7	17.7	RoEY008300
K16P66Z	C2016	12	17.61645	02	20	53.71	+36	28	07.1	17.9	RoEY008300
K16P66Z	KC2016	12	17.80194	02	22	22.23	+36	04	06.8	17.5	VEY008K63
K16P66Z	KC2016	12	17.81160	02	22	26.49	+36	02	52.4	17.2	VEY008K63
K16P66Z	KC2016	12	17.83631	02	22	37.53	+35	59	40.8	17.2	VEY008K63
K16T18B	KC2016	12	18.11882	00	50	12.84	-06	23	34.5		oEY008291
K16T18B	KC2016	12	18.17519	00	50	17.59	-06	23	03.7		oEY008291
K16T92Y	C2016	12	18.11958	00	23	21.57	-08	01	45.2	20.9	VqEY008I52
K16T92Y	C2016	12	18.12073	00	23	21.66	-08	01	43.4	21.4	VqEY008I52
K16T92Y	C2016	12	18.12186	00	23	21.77	-08	01	41.2	21.6	VqEY008I52
K16T92Y	C2016	12	18.12299	00	23	21.74	-08	01	39.0	21.4	VqEY008I52
K16U00A	C2016	12	18.09341	22	11	07.67	+12	56	04.1	21.5	VqEY008I52
K16U00A	C2016	12	18.09489	22	11	07.61	+12	55	59.7	21.0	VqEY008I52
K16U00A	C2016	12	18.09636	22	11	07.59	+12	55	55.3	20.9	VqEY008I52
K16U00A	C2016	12	18.09783	22	11	07.50	+12	55	50.1	21.3	VqEY008I52
K16V03L	C2016	12	18.14596	04	01	02.24	+29	50	06.8	21.4	VqEY008G96
K16V03L	C2016	12	18.15024	04	01	02.32	+29	50	11.3	20.4	VqEY008G96
K16V03L	C2016	12	18.15452	04	01	02.47	+29	50	16.3	20.4	VqEY008G96
K16V03L	C2016	12	18.15880	04	01	02.53	+29	50	19.3	20.2	VqEY008G96
K16V05Y	KC2016	12	06.12409901	39	04.25	+40	48	43.0		17.3	VuEY008H21
K16V05Y	KC2016	12	06.12543601	39	04.33	+40	48	36.7		17.5	VuEY008H21
K16V05Y	KC2016	12	06.12686301	39	04.43	+40	48	29.5		18.2	VuEY008H21
K16V05Y	KC2016	12	06.12838401	39	04.50	+40	48	22.3		18.5	VuEY008H21
K16W00P	KC2016	12	18.29762	02	59	55.45	+10	16	30.0	20.8	RoEY008291
K16W00P	KC2016	12	18.30344	02	59	56.75	+10	16	32.0		oEY008291
K16W00P	KC2016	12	18.30928	02	59	58.07	+10	16	32.9	20.7	RoEY008291
K16W01Z	C2016	12	18.13122	01	16	56.75	+26	30	36.3	21.1	VqEY008I52
K16W01Z	C2016	12	18.14134	01	16	56.06	+26	30	33.0	21.0	VqEY008I52
K16W01Z	C2016	12	18.14653	01	16	55.60	+26	30	30.3		qEY008I52
K16W03U	C2016	12	17.73008	04	19	17.57	+14	12	17.5	19.4	RoEY008300
K16W03U	C2016	12	17.73379	04	19	17.38	+14	12	05.7	19.1	RoEY008300
K16W03U	C2016	12	17.73749	04	19	17.20	+14	11	55.5	19.0	RoEY008300
K16W03U	C2016	12	17.74118	04	19	17.07	+14	11	44.6	19.3	RoEY008300
K16W07C	C2016	12	18.13463	01	56	41.81	+19	14	06.3	20.8	VqEY008I52
K16W07C	C2016	12	18.13972	01	56	42.58	+19	13	50.7	21.5	VqEY008I52
K16W07C	C2016	12	18.14490	01	56	43.29	+19	13	34.2	21.8	VqEY008I52
K16W07C	C2016	12	18.15024	01	56	44.12	+19	13	17.8	21.7	VqEY008I52
K16W08H	C2016	12	18.16714	04	42	38.24	+34	53	54.9		qEY008I52
K16W08H	C2016	12	18.17195	04	42	37.49	+34	53	48.7		qEY008I52
K16W08H	C2016	12	18.17677	04	42	36.76	+34	53	43.9	22.2	VqEY008I52
K16W08J	C2016	12	18.10629	23	08	21.75	+15	03	45.9	21.4	VqEY008I52
K16W08J	C2016	12	18.10776	23	08	22.05	+15	03	47.3	20.4	VqEY008I52
K16W08J	C2016	12	18.10924	23	08	22.35	+15	03	47.1	19.9	VqEY008I52
K16W08J	C2016	12	18.11071	23	08	22.64	+15	03	47.3	20.6	VqEY008I52
K16W08X	C2016	12	18.15482	03	45	03.36	+14	10	17.0	21.8	VqEY008I52
K16W08X	C2016	12	18.16080	03	45	04.28	+14	09	59.0	21.6	VqEY008I52
K16W08X	C2016	12	18.16378	03	45	04.80	+14	09	48.6	22.4	VqEY008I52
K16W08Y	C2016	12	18.11302	00	07	05.27	+57	57	41.6		qEY008I52
K16W08Y	C2016	12	18.11449	00	07	05.93	+57	57	47.5		qEY008I52
K16W08Y	C2016	12	18.11743	00	07	06.97	+57	57	58.6	21.3	VqEY008I52
K16W09W	C2016	12	17.77644	11	44	56.71	+28	03	09.8	18.4	RoEY008300
K16W09W	C2016	12	17.77875	11	44	57.60	+28	02	53.8	18.5	RoEY008300
K16W09W	C2016	12	17.78106	11	44	58.59	+28	02	37.3	18.8	RoEY008300
K16W09W	C2016	12	17.78336	11	44	59.40	+28	02	19.9	18.5	RoEY008300
K16W09W	6C2016	12	18.37175	11	49	00.01	+26	49	40.0		oEY008290
K16W09W	6C2016	12	18.37295	11	49	00.49	+26	49	31.1		oEY008290
K16W09W	6C2016	12	18.37408	11	49	00.94	+26	49	22.7		oEY008290
K16W09W	6C2016	12	18.37537	11	49	01.45	+26	49	13.3		oEY008290
K16W09X	C2016	12	18.37167	10	36	33.91	+32	59	09.0	19.8	VqEY008I52
K16W09X	C2016	12	18.37531	10	36	34.02	+32	58	59.1	20.2	VqEY008I52
K16W09X	C2016	12	18.37789	10	36	34.17	+32	58	50.4	19.4	VqEY008I52
K16W10D	C2016	12	18.37349	05	20	47.21	+23	45	09.0	21.1	VqEY008I52
K16W10D	C2016	12	18.38513	05	20	45.97	+23	45	40.5		qEY008I52
K16W10D	C2016	12	18.38659	05	20	45.78	+23	45	42.7	22.2	VqEY008I52
K16W10F	6C2016	12	18.25577	06	26	44.29	+15	23	31.0		oEY008290
K16W10F	6C2016	12	18.25820	06	26	43.68	+15	23	33.4		oEY008290
K16W10F	6C2016	12	18.26297	06	26	42.51	+15	23	36.4		oEY008290
K16W10F	6C2016	12	18.26536	06	26	41.88	+15	23	37.3		oEY008290
K16W10G	C2016	12	18.13291	01	17	37.14	+37	48	24.6		qEY008I52
K16W10G	C2016	12	18.13798	01	17	36.49	+37	48	19.6		qEY008I52
K16W10G	C2016	12	18.14312	01	17	35.85	+37	48	12.4		qEY008I52
K16W10G	C2016	12	18.14841	01	17	35.28	+37	48	06.6	22.1	VqEY008I52
K16W48R	C2016	12	18.21272	05	53	18.09	+02	58	14.2	19.9	VqEY008I52
K16W48R	C2016	12	18.21677	05	53	18.15	+02	58	20.2	20.0	VqEY008I52
K16W48R	C2016	12	18.22038	05	53	18.24	+02	58	26.0	20.2	VqEY008I52

K16W48R	C2016	12	18.22307	05	53	18.31	+02	58	30.4	20.0	VqEY008I52
K16X00K	C2016	12	18.11958	00	23	46.47	-07	47	16.5	20.5	VqEY008I52
K16X00K	C2016	12	18.12073	00	23	46.06	-07	47	17.7	20.9	VqEY008I52
K16X00K	C2016	12	18.12186	00	23	45.70	-07	47	17.7	20.4	VqEY008I52
K16X00K	C2016	12	18.12299	00	23	45.23	-07	47	19.1	20.6	VqEY008I52
K16X01D	KC2016	12	18.05939	04	14	20.77	+44	06	18.6	19.7	VtEY008V03
K16X01D	KC2016	12	18.06424	04	14	20.40	+44	06	10.9	19.7	VtEY008V03
K16X01R	C2016	12	18.19185	04	52	39.63	+39	49	39.6		qEY008I52
K16X01R	C2016	12	18.19455	04	52	39.12	+39	49	47.5	22.9	VqEY008I52
K16X01R	C2016	12	18.19723	04	52	38.55	+39	49	57.0		qEY008I52
K16X01R	C2016	12	18.19992	04	52	38.06	+39	50	04.5		qEY008I52
K16X02A	6C2016	12	18.10297	00	53	10.67	+09	51	29.8		oEY008290
K16X02A	6C2016	12	18.10415	00	53	09.68	+09	51	20.8		oEY008290
K16X02A	6C2016	12	18.10484	00	53	09.13	+09	51	15.7		oEY008290
K16X02A	6C2016	12	18.10549	00	53	08.56	+09	51	10.4		oEY008290
K16X02A	KC2016	12	18.23265	00	51	20.51	+09	34	30.9	18.8	RoEY008291
K16X02A	KC2016	12	18.23343	00	51	19.86	+09	34	24.7	19.2	RoEY008291
K16X02A	KC2016	12	18.23419	00	51	19.23	+09	34	18.8	18.9	RoEY008291
K16X02A	C2016	12	18.27171	00	50	47.50	+09	29	20.9	19.7	VqEY008I52
K16X02A	C2016	12	18.27214	00	50	47.09	+09	29	17.6	20.2	VqEY008I52
K16X02A	C2016	12	18.27258	00	50	46.69	+09	29	14.0		qEY008I52
K16X02A	C2016	12	18.27301	00	50	46.32	+09	29	10.5		qEY008I52
K16X02D	C2016	12	18.27452	08	20	24.80	+50	32	17.3	19.1	VqEY008I52
K16X02D	C2016	12	18.27483	08	20	24.76	+50	32	22.7	19.3	VqEY008I52
K16X02D	C2016	12	18.27517	08	20	24.71	+50	32	28.0	19.2	VqEY008I52
K16X02D	C2016	12	18.27549	08	20	24.69	+50	32	33.0	19.4	VqEY008I52
K16X02H	C2016	12	18.19054	04	47	48.90	+20	19	57.3	20.7	VqEY008I52
K16X02H	C2016	12	18.19325	04	47	48.58	+20	19	56.3		qEY008I52
K16X02H	C2016	12	18.19593	04	47	48.29	+20	19	55.7		qEY008I52
K16X02H	C2016	12	18.19862	04	47	47.93	+20	19	54.2	20.7	VqEY008I52
K16X02H	KC2016	12	18.39786	04	47	23.53	+20	18	45.9	20.4	RoEY008291
K16X02H	KC2016	12	18.40029	04	47	23.26	+20	18	45.4	20.5	RoEY008291
K16X02H	KC2016	12	18.40273	04	47	23.01	+20	18	45.1	20.4	RoEY008291
K16X02L	C2016	12	18.25833	08	18	13.62	-07	46	58.1	20.7	VqEY008I52
K16X02L	C2016	12	18.26377	08	18	13.55	-07	48	17.3		qEY008I52
K16X02L	C2016	12	18.26687	08	18	13.48	-07	49	04.2	20.9	VqEY008I52
K16X02L	C2016	12	18.26997	08	18	13.52	-07	49	49.0		qEY008I52
K16X18C	C2016	12	18.15337	03	32	12.00	+30	51	55.3	20.9	VqEY008I52
K16X18C	C2016	12	18.15637	03	32	12.40	+30	51	57.0	20.6	VqEY008I52
K16X18C	C2016	12	18.15935	03	32	12.76	+30	51	59.0	20.5	VqEY008I52
K16X18C	C2016	12	18.16233	03	32	13.13	+30	52	00.9	20.3	VqEY008I52
K16X18C	KC2016	12	18.34014	03	32	35.08	+30	53	38.5	20.3	RoEY008291
K16X18C	KC2016	12	18.34263	03	32	35.42	+30	53	39.5	20.2	RoEY008291
K16X18C	KC2016	12	18.34514	03	32	35.71	+30	53	41.1	20.1	RoEY008291
K16X18D	C2016	12	18.20262	05	26	30.86	+18	30	18.1	21.3	VqEY008I52
K16X18D	C2016	12	18.20748	05	26	32.10	+18	30	17.4		qEY008I52
K16X18D	C2016	12	18.20990	05	26	32.86	+18	30	17.7	20.8	VqEY008I52
K16X18G	C2016	12	18.17036	04	10	26.34	+45	42	38.5	21.8	VqEY008I52
K16X18G	C2016	12	18.17518	04	10	25.90	+45	42	36.0	21.3	VqEY008I52
K16X18G	C2016	12	18.18000	04	10	25.53	+45	42	33.2	22.2	VqEY008I52
K16X18H	C2016	12	18.43106	06	44	57.57	+27	25	05.7	22.0	VqEY008I52
K16X18H	C2016	12	18.43244	06	44	57.49	+27	25	00.7		qEY008I52
K16X18H	C2016	12	18.43383	06	44	57.38	+27	24	57.5	21.3	VqEY008I52
K16X18H	C2016	12	18.43522	06	44	57.33	+27	24	54.1	21.0	VqEY008I52
K16X18J	C2016	12	18.35340	10	09	54.02	+43	46	38.6	20.2	VqEY008I52
K16X18J	C2016	12	18.35383	10	09	54.55	+43	46	38.5	20.7	VqEY008I52
K16X18J	C2016	12	18.35445	10	09	55.44	+43	46	38.1	20.0	VqEY008I52
K16X18K	C2016	12	17.19259	05	08	12.41	+53	27	42.4	16.6	RoEY008926
K16X18K	C2016	12	17.19375	05	08	18.86	+53	27	33.9	17.0	RoEY008926
K16X21A	C2016	12	18.27645	08	28	22.44	+05	24	25.9	20.5	VqEY008I52
K16X21A	C2016	12	18.27723	08	28	23.27	+05	24	26.0	20.3	VqEY008I52
K16X21A	C2016	12	18.27801	08	28	24.12	+05	24	25.5	20.0	VqEY008I52
K16X21A	C2016	12	18.27878	08	28	24.98	+05	24	25.6		qEY008I52
K16X21B	C2016	12	18.25675	07	14	10.76	+52	31	04.4	21.6	VqEY008I52
K16X21B	C2016	12	18.26218	07	14	11.53	+52	31	20.6	20.0	VqEY008I52
K16X21B	C2016	12	18.26528	07	14	11.93	+52	31	29.6	20.6	VqEY008I52
K16X21B	C2016	12	18.26846	07	14	12.29	+52	31	39.3	20.6	VqEY008I52
K16X23P	C2016	12	18.09981	23	01	17.68	+43	26	26.1	20.8	VqEY008I52
K16X23P	C2016	12	18.10129	23	01	17.91	+43	26	29.7	20.7	VqEY008I52
K16X23P	C2016	12	18.10276	23	01	18.24	+43	26	33.4	20.8	VqEY008I52
K16X23P	C2016	12	18.10423	23	01	18.47	+43	26	36.0	20.7	VqEY008I52
K16X23P	KC2016	12	18.23688	23	01	42.55	+43	31	49.1	21.6	RoEY008291
K16X23P	KC2016	12	18.24116	23	01	43.39	+43	31	58.5	21.5	RoEY008291
K16X23P	KC2016	12	18.24547	23	01	44.13	+43	32	09.1		oEY008291
K16X23R	C2016	12	17.18573	02	17	58.90	+40	19	45.5	17.7	RoEY008926
K16X23R	C2016	12	17.18731	02	18	00.20	+40	20	11.7	17.6	RoEY008926
K16X23R	C2016	12	18.25977	02	35	25.07	+44	45	01.6	18.7	VqEY008I52
K16X23R	C2016	12	18.26009	02	35	25.30	+44	45	05.4	18.3	VqEY008I52
K16X23R	C2016	12	18.26042	02	35	25.57	+44	45	09.3	18.6	VqEY008I52
K16X23R	C2016	12	18.26074	02	35	25.80	+44	45	13.0	18.7	VqEY008I52
00433	C2016	12	14.00259322	23	57.17	+02	29	30.1		13.3	VuEY008H21
00433	C2016	12	14.00402822	23	57.34	+02	29	30.8		13.3	VuEY008H21
00433	C2016	12	14.00546222	23	57.53	+02	29	31.6		13.3	VuEY008H21
00433	C2016	12	14.00689422	23	57.70	+02	29	32.4		13.2	VuEY008H21
00433	C2016	12	14.00832822	23	57.87	+02	29	33.2		13.3	VuEY008H21
00433	C2016	12	14.00976222	23	58.05	+02	29	34.2		13.3	VuEY008H21
00433	C2016	12	14.01162822	23	58.27	+02	29	35.2		13.3	VuEY008H21
01036	C2016	12	14.43997208	52	56.77	-17	10	27.1		14.5	VuEY008H21
01036	C2016	12	14.44141108	52	56.73	-17	10	27.8		14.5	VuEY008H21
01036	C2016	12	14.44284808	52	56.69	-17	10	28.2		14.5	VuEY008H21
01036	C2016	12	14.44428508	52	56.64	-17	10	29.1		14.5	VuEY008H21
01036	C2016	12	14.44572008	52	56.61	-17	10	29.4		14.6	VuEY008H21
03103	C2016	12	15.35512210	52	01.52	-06	49	18.9		16.4	VuEY008H21
03103	C2016	12	15.35687210	52	01.63	-06	49	16.9		16.1	VuEY008H21
03103	C2016	12	15.35862210	52	01.76	-06	49	15.1		16.3	VuEY008H21
03103	C2016	12	15.36037410	52	01.87	-06	49	13.2		16.4	VuEY008H21
03103	C2016	12	15.36212410	52	02.00	-06	49	11.3		16.4	VuEY008H21
03352	C2016	12	14.14838401	59	17.74	+03	10	35.2		16.4	VuEY008H21
03352	C2016	12	14.14982401	59	17.74	+03	10	35.9		16.4	VuEY008H21
03352	C2016	12	14.15125901	59	17.72	+03	10	36.8		16.6	VuEY008H21
03352	C2016	12	14.15269301	59	17.71	+03	10	37.6		16.6	VuEY008H21
03352	C2016	12	14.15412801	59	17.68	+03	10	38.4		16.6	VuEY008H21
03352	C2016	12	14.15556501	59	17.68	+03	10	39.1		16.6	VuEY008H21
03352	C2016	12	14.15699901	59	17.67	+03	10	40.1		16.3	VuEY008H21
03691	C2016	12	15.10105003	36	18.24	+55	41	52.4		16.3	VuEY008H21
03691	C2016	12	15.10241203	36	18.07	+55	41	51.9		17.2	VuEY008H21
03691	C2016	12	15.10377303	36	17.88	+55	41	51.4		17.5	VuEY008H21

03691	C2016	12	15.10513003	36	17.73	+55	41	50.7	17.6	VuEY008H21	
03691	C2016	12	15.10635603	36	17.59	+55	41	49.9	17.4	VuEY008H21	
04179	C2016	12	14.01219022	48	50.20	-08	55	25.6	16.1	VuEY008H21	
04179	C2016	12	14.01363622	48	50.76	-08	55	22.2	16.1	VuEY008H21	
04179	C2016	12	14.01507222	48	51.32	-08	55	18.5	15.8	VuEY008H21	
04179	C2016	12	14.01651022	48	51.87	-08	55	15.2	16.1	VuEY008H21	
04179	C2016	12	14.01794322	48	52.43	-08	55	11.9	16.0	VuEY008H21	
04179	C2016	12	14.01937722	48	52.99	-08	55	08.3	16.2	VuEY008H21	
04179	C2016	12	14.02081022	48	53.55	-08	55	05.0	16.0	VuEY008H21	
04179	KC2016	12	17.76854	23	14	55.50	-06	14	48.8	15.5	RqEY008160
04179	KC2016	12	17.76983	23	14	56.09	-06	14	45.5	15.6	RqEY008160
04179	KC2016	12	17.77113	23	14	56.61	-06	14	42.0	14.9	RqEY008160
05587	KC2016	12	17.87935	01	41	17.11	-03	36	20.3	17.2	RqEY008160
05587	KC2016	12	17.88115	01	41	17.11	-03	36	20.5	17.5	RqEY008160
05587	KC2016	12	17.88295	01	41	17.11	-03	36	20.6	17.5	RqEY008160
05653	C2016	12	15.10741203	42	46.43	+40	39	48.6	16.0	VuEY008H21	
05653	C2016	12	15.10877303	42	46.32	+40	39	48.8	16.1	VuEY008H21	
05653	C2016	12	15.11013503	42	46.19	+40	39	48.9	16.1	VuEY008H21	
05653	C2016	12	15.11149603	42	46.07	+40	39	49.1	16.0	VuEY008H21	
05653	C2016	12	15.11285703	42	45.95	+40	39	49.1	16.1	VuEY008H21	
07341	C2016	12	14.05888622	36	52.37	+09	42	23.0	16.5	VuEY008H21	
07341	C2016	12	14.06032022	36	52.34	+09	42	22.0	16.4	VuEY008H21	
07341	C2016	12	14.06175822	36	52.32	+09	42	21.1	16.5	VuEY008H21	
07341	C2016	12	14.06319922	36	52.30	+09	42	20.3	16.1	VuEY008H21	
07341	C2016	12	14.06462022	36	52.26	+09	42	19.5	16.5	VuEY008H21	
07341	C2016	12	14.06604322	36	52.24	+09	42	18.5	16.5	VuEY008H21	
07341	KC2016	12	17.73768	22	36	21.70	+09	01	14.8	16.3	RqEY008160
07341	KC2016	12	17.73926	22	36	21.66	+09	01	13.6	16.8	RqEY008160
07341	KC2016	12	17.74084	22	36	21.63	+09	01	12.8	16.0	RqEY008160
96590	C2016	12	14.24968102	32	58.78	+13	34	59.6	14.2	VuEY008H21	
96590	C2016	12	14.25111502	32	58.62	+13	35	02.9	14.3	VuEY008H21	
96590	C2016	12	14.25255202	32	58.45	+13	35	06.4	14.6	VuEY008H21	
96590	C2016	12	14.25398802	32	58.29	+13	35	09.9	14.2	VuEY008H21	
96590	C2016	12	14.25542302	32	58.13	+13	35	13.2	14.4	VuEY008H21	
96590	C2016	12	14.25685902	32	57.97	+13	35	16.8	14.4	VuEY008H21	
M6554	HC2016	12	18.28222	01	29	22.43	+00	33	40.0	19.5	RoEY008691
M6554	HC2016	12	18.28902	01	29	22.18	+00	33	48.5	19.7	RoEY008691
M6554	HC2016	12	18.29580	01	29	21.95	+00	33	56.9	19.7	RoEY008691
R5611	C2016	12	15.04568402	50	58.19	+49	54	31.1	17.2	VuEY008H21	
R5611	C2016	12	15.04704602	50	58.24	+49	54	30.3	17.2	VuEY008H21	
R5611	C2016	12	15.04840702	50	58.25	+49	54	28.9	17.3	VuEY008H21	
R5611	C2016	12	15.04976902	50	58.31	+49	54	27.9	17.3	VuEY008H21	
R5611	C2016	12	15.05113002	50	58.34	+49	54	26.7	17.1	VuEY008H21	
W6683	C2016	12	14.22236004	32	07.10	+33	34	40.8	15.5	VuEY008H21	
W6683	C2016	12	14.22379404	32	06.85	+33	34	51.0	15.6	VuEY008H21	
W6683	C2016	12	14.22523104	32	06.61	+33	35	01.1	15.7	VuEY008H21	
W6683	C2016	12	14.22666704	32	06.37	+33	35	11.1	15.6	VuEY008H21	
W6683	C2016	12	14.22810304	32	06.13	+33	35	21.3	15.5	VuEY008H21	
W6683	C2016	12	14.22954104	32	05.90	+33	35	31.2	15.5	VuEY008H21	
W6683	C2016	12	15.13572304	29	56.81	+35	20	34.4	15.8	VuEY008H21	
W6683	C2016	12	15.13708304	29	56.58	+35	20	43.6	15.8	VuEY008H21	
W6683	C2016	12	15.13844404	29	56.37	+35	20	53.2	15.8	VuEY008H21	
W6683	C2016	12	15.13980604	29	56.14	+35	21	02.5	15.7	VuEY008H21	
W6683	C2016	12	15.14116704	29	55.92	+35	21	11.9	15.7	VuEY008H21	
b8610	C2016	12	17.80576	00	53	21.41	+20	56	15.5	16.6	RrEY008106
b8610	C2016	12	17.81588	00	53	21.87	+20	56	32.1	16.9	RrEY008106
b8610	C2016	12	17.82600	00	53	22.28	+20	56	48.9	16.9	RrEY008106
b8610	C2016	12	17.83612	00	53	22.69	+20	57	05.6	16.9	RrEY008106
h4677	KC2016	12	17.69980	20	53	30.56	+39	49	49.0	17.6	RqEY008160
h4677	KC2016	12	17.70110	20	53	32.01	+39	49	33.0	17.8	RqEY008160
h4677	KC2016	12	17.70257	20	53	33.68	+39	49	14.8	17.2	RqEY008160
j2389	KC2016	12	14.11648123	52	47.76	+45	47	18.4	17.8	VuEY008H21	
j2389	KC2016	12	14.11863323	52	48.28	+45	47	15.1	18.1	VuEY008H21	
j2389	KC2016	12	14.12078623	52	48.78	+45	47	11.7	17.8	VuEY008H21	
j2389	KC2016	12	14.12293723	52	49.28	+45	47	08.0	17.8	VuEY008H21	
j2389	KC2016	12	14.12508723	52	49.77	+45	47	04.4	17.6	VuEY008H21	
j2389	KC2016	12	14.12774123	52	50.41	+45	47	00.3	17.8	VuEY008H21	

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