

MPEC 2016-G115: DAILY ORBIT UPDATE (2016 APR. 8 UT)

The following [Minor Planet Electronic Circular](#) may be linked-to from your own Web pages, but must **not** otherwise be [redistributed electronically](#).

A form allowing access to any *MPEC* is at [the bottom of this page](#).

◀ [Read MPEC 2016-G114](#) ▶ [Read MPEC 2016-G116](#)

M.P.E.C. 2016-G115

Issued 2016 Apr. 8, 12:05 UT

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

Prepared using the [Tamkin Foundation Computer Network](#)

MPC@CFA.HARVARD.EDU

URL <http://www.minorplanetcenter.net/>

ISSN 1523-6714

DAILY ORBIT UPDATE (2016 APR. 8 UT)

Update to MPEC 2016-GA4

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

New identification:

K00C68X	K16G71J	MPCW
K00D67X	K16G12F	MPCW
K01FK9G	K16G55Z	MPCW
K01SE5E	K16G07E	MPCW
K01TMOY	K16GD0T	MPCW
K01UN0L	K16G87F	MPCW
K03SO1G	K16G20P	MPCW
K03Sc4A	K16GA1L	MPCW
K03UJ9D	K16G50F	MPCW
K03Ua5M	K16G91S	MPCW
K04FA3G	K16GA1M	MPCW
K04Q02E	K16G17H	MPCW
K04T14U	K16GB9S	MPCW
K04TG2W	K16G97Y	MPCW
K04TJ8T	K16G22R	MPCW
K05C27G	K16G04C	MPCW
K05E15N	K16G26D	MPCW
K05JI5W	K16F42V	MPCW
K05SC2P	K16G71U	MPCW
K05T39Z	K16G04P	MPCW
K05T59G	K16G84W	MPCW
K05T80K	K16F39N	MPCW
K06B71X	K16G57E	MPCW

K06BB3T	K16GB3H		MPCW
K06BS0F	K16F50L		MPCW
K06G45X	K16GD2C		MPCW
K06K27N	K16F48K		MPCW
K06K32F	K16G38R		MPCW
K06K33Z	K16G94Q		MPCW
K06K52L	K16GB9L		MPCW
K06R61O	K16F44W		MPCW
K06ST6Y	K16G06L		MPCW
K06X58V	K16G63M		MPCW
K07E50H	K16GD1N		MPCW
K07EH6Y	K16F39T		MPCW
K07F08F	K16F45X		MPCW
K07H38V	K16GC8R		MPCW
K07R36N	K16G50G		MPCW
K07R72T	K16GB6R		MPCW
K07RB6X	K16F46Z		MPCW
K07RK0K	K16G64B		MPCW
K07RM6T	K16G12V		MPCW
K07RM7A	K16G75N		MPCW
K07T19G	K16G40E		MPCW
K07TN6C	K16G66G		MPCW
K07TQ8O	K13J55T	K16G53F	MPCW
K07Tb7X	K16G99A		MPCW
K07Tc5Q	K16G37O		MPCW
K07UB7O	K16G23E		MPCW
K08CB2U	K16GA3F		MPCW
K08F26B	K16G70O		MPCW
K08Q45U	K16F54F		MPCW
K08R62J	K16G32W		MPCW
K08R77Z	K16GC9V		MPCW
K08RC2M	K16G10O		MPCW
K08SA8Z	K16G18O		MPCW
K08SE7C	K16F49B		MPCW
K08T78S	K16GB0R		MPCW
K08TA1K	K16G72E		MPCW
K08U92V	K16G13W		MPCW
K08UH1L	K13S06Y	K16GC2J	MPCW
K08UH6O	K16GB6J		MPCW
K08UH8N	K16F49K		MPCW
K08UI2E	K16G24J		MPCW
K08W41A	K16G60F		MPCW
K09BB7M	K16G09F		MPCW
K09D19E	K16GD1U		MPCW
K09H13A	K16GA8J		MPCW
K09R55C	K16F42S		MPCW
K09S57U	K16F39R		MPCW
K09SB2X	K05Ua6S	K16G25A	MPCW
K09U30W	K16GC2H		MPCW
K10CA0F	K16G73N		MPCW
K10CB3P	K16GB6A		MPCW
K10F41V	K16GB9H		MPCW
K10T13L	K16F50G		MPCW
K10TD1D	K16F54D		MPCW
K10V56A	K16G09G		MPCW
K10W24J	K16F47F		MPCW
K11B25T	K16G55R		MPCW
K11B43M	K16G66L		MPCW
K11C13G	K16F52F		MPCW
K11C63P	K16GB9P		MPCW
K11D06G	K14W02A	K16F55Q	MPCW
K11D28C	K10B63E	K16G16G	MPCW
K11D45Q	K16GA2H		MPCW

K11E86H	K16G03W		MPCW
K11F03L	K16F55K		MPCW
K11F14B	K16G08Y		MPCW
K11G54R	K16F44N		MPCW
K11G74A	K16GC3Y		MPCW
K11H13W	K16G30V		MPCW
K11H15U	K16GB4J		MPCW
K11H50R	K16G45E		MPCW
K11H53T	K10H75O	K16F42H	MPCW
K11J03X	K16GC3B		MPCW
K11J16N	K16F41F		MPCW
K11UX1T	K16G14P		MPCW
K11W29L	K16F45T		MPCW
K11Y52T	K16G96R		MPCW
K12C13K	K16G78Y		MPCW
K12C29U	K16GA1F		MPCW
K12C30U	K16G52P		MPCW
K12C34M	K16GD0G		MPCW
K12G14T	K09VB8U	K16G29W	MPCW
K12H58N	K16GC6T		MPCW
K12H74D	K16G21Q		MPCW
K12K34Q	K16G85Q		MPCW
K12TC6R	K16G88E		MPCW
K13N03B	K16G04A		MPCW
K13P19R	K16G45R		MPCW
K13P30J	K16G27F		MPCW
K13P55F	K16G83O		MPCW
K13Q50X	K16G45T		MPCW
K13R73R	K16GD3S		MPCW
K13R87D	K16G59J		MPCW
K13S28N	K16G62T		MPCW
K13T44R	K16G65R		MPCW
K13T71F	K16G33A		MPCW
K13T90M	K16G63T		MPCW
K13T94O	K16F50E		MPCW
K13TA9E	K16G71B		MPCW
K13TC4Q	K16F47B		MPCW
K13V05V	K16G62W		MPCW
K14SB9Y	K16G79G		MPCW
K14SC8G	K16G11G		MPCW
K14SG3J	K16GA9F		MPCW
K14U40Z	K16F44R		MPCW
K14WJ8Y	K16G82A		MPCW
K14Wi8C	K09UB8M	K16G66V	MPCW
K15A62E	K16GC6Z		MPCW
K15A71V	K16GC3D		MPCW
K15AH1C	K16G86L		MPCW
K15AK0F	K04V84G	K16F54Y	MPCW
K15AL8A	K16G76Q		MPCW
K15AO7P	K03SD5T	K16G46N	MPCW
K15AO8X	K16G49T		MPCW
K15AR0Z	K16G55U		MPCW
K15AR7J	K16G37D		MPCW
K15B19U	K16G97C		MPCW
K15B69K	K16GA2Y		MPCW
K15BB0O	K16GC5M		MPCW
K15BG4Y	K16G10T		MPCW
K15BI6M	K16GB8S		MPCW
K15BL7K	K16GA4W		MPCW
K15BR9L	K16G06O		MPCW
K16B39R	K13H07K		MPCW

New double designation:

K16EF0E	K16G64Q	MPCW
K16F00N	K16C31V	MPCW
K16F12N	K16ED6G	MPCW
K16F14U	K16CO8H	MPCW
K16F24Z	K16F35G	MPCW
K16F35H	K16F25A	MPCW
K16F35J	K16F25D	MPCW
K16G17M	K16G06D	MPCW
K16G18T	K16EE0N	MPCW
K16G20D	K16ED7M	MPCW
K16G23B	K16G24W	MPCW
K16G27R	K16ED2S	MPCW
K16G52E	K16G69M	MPCW
K16G55W	K16G71V	MPCW
K16G66P	K16G80L	MPCW

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
K00C68X	17.7	0.15	K161D	3.589	356.900	161.269	0.391	0.31169	3.01592	2	X
K00D67X	15.9	0.15	K161D	347.914	21.716	172.267	9.194	0.06160	3.01372	2	X
K01FK9G	19.3	0.15	K161D	313.462	206.729	21.396	1.276	0.13935	2.40588	2	X
K01SE5E	16.0	0.15	K161D	219.741	333.492	350.666	16.713	0.18863	3.16976	2	X
K01TM0Y	17.2	0.15	K161D	91.836	49.312	17.348	31.845	0.23264	2.63909	2	X
K01UN0L	18.9	0.15	K161D	220.273	257.323	72.066	4.324	0.21402	2.15553	2	X
K02CR9O	15.9	0.15	K161D	285.293	122.097	144.938	14.565	0.20537	2.73666	4	X
K02N73C	16.0	0.15	K161D	332.369	80.463	123.125	10.073	0.11867	2.92573	8	X
K02U26G	15.3	0.15	K161D	167.497	295.344	71.709	10.370	0.09653	3.11661	8	X
K02X04R	18.1	0.15	K161D	34.020	216.683	245.787	20.730	0.09608	1.86058	5	X
K02X16G	17.4	0.15	K161D	40.338	198.943	265.776	19.885	0.05264	1.84817	5	X
K03G00R	20.5	0.15	K161D	244.227	273.056	21.141	55.830	0.31773	1.38474	4	X
K03H52R	16.7	0.15	K161D	318.862	177.372	47.126	11.477	0.18237	2.68060	7	X
K03S01G	17.0	0.15	K161D	74.066	64.873	19.916	1.296	0.11063	2.98028	2	X
K03Sc4A	17.7	0.15	K161D	227.024	246.404	76.659	3.050	0.06794	2.87591	2	X
K03UJ9D	17.2	0.15	K161D	99.824	42.691	13.375	7.502	0.25161	3.01275	2	X
K03Ua5M	17.0	0.15	K161D	233.700	144.148	171.356	12.199	0.04553	2.91201	2	X
K04FA3G	16.7	0.15	K161D	315.628	54.695	179.979	7.434	0.06124	3.24436	2	X
K04J34U	18.0	0.15	K161D	279.366	74.353	201.912	5.775	0.33408	2.57752	4	X
K04Q02E	18.0	0.15	K161D	245.896	313.343	359.029	12.031	0.30041	2.64380	2	X
K04T14U	17.0	0.15	K161D	159.462	337.235	46.669	20.695	0.28463	2.76567	2	X
K04TG2W	17.5	0.15	K161D	191.915	322.007	37.642	12.228	0.18143	2.75172	2	X
K04TJ8T	17.7	0.15	K161D	167.280	161.898	202.052	8.914	0.16222	2.79015	2	X
K05C03F	16.8	0.15	K161D	25.934	359.516	130.744	13.870	0.19126	3.06266	3	X
K05C27G	16.3	0.15	K161D	300.468	65.366	135.209	27.557	0.24294	3.16894	2	X
K05E15N	18.2	0.15	K161D	64.862	106.026	348.546	6.388	0.07511	2.35288	2	X
K05G33R	22.1	0.15	K161D	103.062	334.566	22.697	27.998	0.38375	0.77886	2	X
K05GM3O	17.1	0.15	K161D	286.003	192.161	66.870	12.002	0.20632	2.39244	6	X
K05JI5W	17.2	0.15	K161D	230.343	118.021	181.035	8.840	0.22012	2.45917	2	X
K05P02H	20.4	0.15	K161D	358.107	343.501	96.467	5.757	0.60417	1.42334	3	X
K05SC2P	17.3	0.15	K161D	161.761	179.887	194.983	34.068	0.20901	2.59471	2	X
K05T39Z	16.4	0.15	K161D	44.910	277.449	193.189	12.607	0.08132	2.69229	2	X
K05T59G	18.1	0.15	K161D	113.141	23.295	30.023	14.066	0.16905	2.66148	2	X
K05T80K	17.4	0.15	K161D	62.428	200.937	227.092	7.574	0.23776	2.73802	2	X
K06B71X	17.4	0.15	K161D	85.445	56.094	29.207	4.142	0.07350	2.81175	2	X
K06BB3T	17.7	0.15	K161D	102.003	311.318	123.193	3.244	0.12297	2.77878	2	X
K06BS0F	17.3	0.15	K161D	244.740	326.697	326.553	5.409	0.02166	2.83565	2	X
K06C00P	17.8	0.15	K161D	14.682	2.872	133.016	26.109	0.33361	2.19710	4	X
K06G45X	19.7	0.15	K161D	348.573	141.737	25.558	18.367	0.07957	1.84749	2	X
K06H05V	19.5	0.15	K161D	98.495	317.540	35.972	32.001	0.31636	0.84223	2	X
K06J51P	16.3	0.15	K161D	325.162	38.000	166.855	3.652	0.12889	2.99949	8	X
K06K27N	17.2	0.15	K161D	274.269	40.032	228.465	6.962	0.08343	3.01857	2	X
K06K32F	19.5	0.15	K161D	274.106	268.921	14.841	1.131	0.25842	2.26040	2	X
K06K33Z	16.5	0.15	K161D	194.355	291.217	68.799	11.382	0.13259	3.01757	2	X
K06K52L	17.5	0.15	K161D	300.434	165.629	99.813	5.407	0.21028	2.98093	2	X

K06K75A	15.9	0.15	K161D	292.103	109.596	144.637	19.528	0.12203	3.04019	4	X
K06Q26P	17.3	0.15	K161D	298.121	114.855	163.385	21.400	0.24855	2.28010	6	X
K06R61O	17.8	0.15	K161D	243.670	310.845	337.612	1.776	0.20127	2.37062	2	X
K06ST6Y	18.5	0.15	K161D	78.619	237.057	191.127	21.667	0.10172	1.97153	2	X
K06Sa7U	15.5	0.15	K161D	277.290	270.289	32.732	25.056	0.34788	3.10933	5	X
K06X58V	17.8	0.15	K161D	138.211	325.688	63.351	2.310	0.18010	2.54271	2	X
K07C31G	17.2	0.15	K161D	315.224	92.721	140.364	7.714	0.17399	2.63604	4	X
K07E50H	17.5	0.15	K161D	308.904	306.347	291.448	1.296	0.10881	2.68863	2	X
K07EH6Y	18.1	0.15	K161D	343.914	338.989	196.610	15.252	0.16394	2.75677	2	X
K07F08F	18.0	0.15	K161D	323.597	213.298	341.435	2.703	0.12747	2.74406	2	X
K07H38V	16.9	0.15	K161D	71.624	78.091	11.762	30.866	0.15565	2.69965	2	X
K07R36N	18.3	0.15	K161D	205.783	154.668	186.889	2.958	0.25429	2.20647	2	X
K07R72T	17.3	0.15	K161D	195.256	197.214	155.772	3.055	0.09227	3.05411	2	X
K07RB6X	18.3	0.15	K161D	50.066	125.911	342.458	5.542	0.10263	2.29528	2	X
K07RK0K	16.7	0.15	K161D	204.348	150.143	191.357	15.333	0.10515	3.12154	2	X
K07RM6T	16.6	0.15	K161D	89.202	279.597	168.829	9.634	0.04697	3.17438	2	X
K07RM7A	18.9	0.15	K161D	233.756	160.339	152.727	3.710	0.15519	2.19995	2	X
K07T19G	18.4	0.15	K161D	192.562	152.267	192.997	3.758	0.15922	2.23399	2	X
K07TN6C	16.0	0.15	K161D	259.057	256.281	41.642	10.019	0.10787	3.10936	2	X
K07TQ8O	18.9	0.15	K161D	233.941	123.150	194.918	5.538	0.20509	2.20397	3	W
K07TX4N	16.7	0.15	K161D	243.894	286.139	37.147	15.610	0.27466	3.06793	4	W
K07Tb7X	15.8	0.15	K161D	240.847	275.270	40.306	14.294	0.09412	3.10104	2	X
K07Tc5Q	16.5	0.15	K161D	234.781	314.839	9.704	8.131	0.24771	3.04968	2	X
K07UB7O	18.7	0.15	K161D	33.227	255.902	219.654	6.832	0.16173	2.36110	2	X
K08CB2U	18.7	0.15	K161D	9.514	129.179	34.829	2.785	0.06545	2.44261	2	X
K08F26B	16.6	0.15	K161D	37.777	102.873	25.452	4.387	0.18478	3.98874	2	X
K08Q45U	16.9	0.15	K161D	296.157	91.638	176.508	10.824	0.25573	2.67655	2	X
K08R62J	17.5	0.15	K161D	237.763	310.565	0.206	8.819	0.15732	2.79574	2	X
K08R77Z	16.2	0.15	K161D	241.155	76.237	233.408	3.006	0.08775	2.77502	2	X
K08RC2M	17.0	0.15	K161D	252.023	123.428	173.600	6.937	0.07370	2.78127	2	X
K08SA8Z	16.8	0.15	K161D	183.222	150.580	198.555	4.319	0.12876	2.87169	2	X
K08SE7C	17.2	0.15	K161D	235.239	125.380	196.951	27.142	0.26667	2.77079	2	X
K08T78S	17.4	0.15	K161D	75.469	261.558	190.854	15.668	0.18731	3.04275	2	X
K08TA1K	17.7	0.15	K161D	235.776	304.889	19.434	7.891	0.21878	2.80157	2	X
K08U92V	16.9	0.15	K161D	235.752	164.659	169.092	9.776	0.28894	2.77311	2	X
K08UH1L	16.6	0.15	K161D	177.317	334.040	37.951	10.101	0.07837	2.97303	3	W
K08UH6O	17.8	0.15	K161D	127.011	27.964	23.821	7.956	0.04332	2.99618	2	X
K08UH8N	16.7	0.15	K161D	84.381	46.154	26.001	16.882	0.21985	3.13440	2	X
K08UI2E	17.1	0.15	K161D	130.167	188.703	207.060	11.945	0.10484	3.04107	2	X
K08W41A	16.8	0.15	K161D	33.949	306.006	188.301	2.244	0.08521	3.16766	2	X
K08YC3E	16.0	0.15	K161D	275.008	34.480	267.293	5.756	0.15611	3.07644	6	X
K09A08U	18.4	0.15	K161D	328.844	66.298	135.343	7.440	0.16444	2.24315	3	X
K09BB7M	18.4	0.15	K161D	151.681	327.678	53.384	3.790	0.13100	2.20406	2	X
K09D19E	18.5	0.15	K161D	48.731	112.718	352.979	5.544	0.15439	2.26867	2	X
K09E00C	18.6	0.15	K161D	295.200	225.952	28.653	37.664	0.36456	1.76797	3	X
K09E00H	15.9	0.15	K161D	146.556	52.269	56.072	14.057	0.38762	3.01410	5	X
K09F19M	17.5	0.15	K161D	342.388	90.346	89.533	10.287	0.12500	2.32986	4	X
K09H13A	19.2	0.15	K161D	320.997	185.111	38.132	6.404	0.19175	2.29754	2	X
K09R55C	16.4	0.15	K161D	29.544	112.891	26.542	16.852	0.03048	2.72811	2	X
K09S57U	17.1	0.15	K161D	183.825	94.419	241.799	6.184	0.05716	2.72635	2	X
K09SB2X	17.3	0.15	K161D	169.185	158.640	203.339	11.360	0.09123	2.65042	3	W
K09U30W	17.4	0.15	K161D	269.728	235.810	59.577	4.142	0.19824	2.57602	2	X
K10CA0F	17.3	0.15	K161D	32.803	12.295	121.927	2.825	0.13187	3.12934	2	X
K10CB3P	17.5	0.15	K161D	7.934	72.963	94.841	2.503	0.13037	3.13953	2	X
K10CP1B	16.2	0.15	K161D	19.745	57.780	88.657	14.120	0.12097	3.11459	4	X
K10F41V	17.2	0.15	K161D	168.516	208.667	169.583	10.087	0.14366	2.79923	2	X
K10H18D	16.1	0.15	K161D	342.812	152.886	35.879	18.706	0.09503	3.09760	6	X
K10T13L	18.0	0.15	K161D	30.440	177.634	317.176	4.595	0.05914	2.41027	2	X
K10TD1D	17.6	0.15	K161D	278.827	215.480	56.176	7.695	0.15036	2.28344	2	X
K10V56A	18.1	0.15	K161D	172.081	274.683	93.945	2.937	0.20974	2.38722	2	X
K10VDOG	17.6	0.15	K161D	307.737	160.854	68.432	3.820	0.13728	2.42736	7	X
K10W24J	17.6	0.15	K161D	286.235	350.879	268.570	2.758	0.14727	2.44983	2	X
K11B25T	17.6	0.15	K161D	300.748	220.118	24.682	1.248	0.10881	2.64776	2	X

K11B43M	17.8	0.15	K161D	18.591	305.076	200.880	3.679	0.04666	2.76874	2	X
K11C13G	17.4	0.15	K161D	236.976	321.390	356.284	9.261	0.16115	2.61468	2	X
K11C63P	17.9	0.15	K161D	17.259	16.558	141.352	7.459	0.12609	2.76888	2	X
K11D06G	16.8	0.15	K161D	60.066	315.955	148.677	8.695	0.18957	2.77002	3	W
K11D28C	17.2	0.15	K161D	129.463	70.762	322.724	3.695	0.07602	2.76762	3	W
K11D45Q	17.7	0.15	K161D	33.723	7.004	139.862	3.043	0.02492	2.77625	2	X
K11E86H	16.9	0.15	K161D	325.651	28.910	137.137	13.360	0.22528	3.10036	2	X
K11F03L	16.9	0.15	K161D	34.858	318.049	181.825	12.310	0.12380	2.80412	2	X
K11F14B	17.0	0.15	K161D	266.733	171.610	105.704	3.279	0.01558	2.84013	2	X
K11G54R	17.0	0.15	K161D	259.960	66.366	199.274	1.906	0.11130	3.05669	2	X
K11G74A	17.0	0.15	K161D	359.871	348.043	210.527	14.922	0.19482	2.87429	2	X
K11H13W	16.7	0.15	K161D	295.804	52.205	191.160	13.005	0.04879	3.03433	2	X
K11H15U	17.6	0.15	K161D	287.743	264.097	8.824	8.712	0.18868	2.99172	2	X
K11H50R	17.7	0.15	K161D	269.644	106.698	187.594	16.155	0.22637	3.06877	2	X
K11H53T	15.4	0.15	K161D	326.016	54.204	152.455	23.537	0.03870	3.10101	3	X
K11H57L	15.9	0.15	K161D	7.740	66.537	100.606	11.748	0.08716	3.10944	9	X
K11J03X	17.1	0.15	K161D	267.273	108.761	181.141	9.240	0.05851	3.03496	2	X
K11J16N	16.3	0.15	K161D	276.377	110.097	171.271	16.845	0.19007	3.05353	2	X
K11J25U	16.0	0.15	K161D	337.616	114.771	83.617	12.531	0.06610	3.11995	6	X
K11K03D	17.9	0.15	K161D	21.303	55.451	89.966	27.774	0.06311	1.88396	4	X
K11K30K	15.7	0.15	K161D	323.143	312.476	255.797	25.848	0.16297	3.15727	6	X
K11K33L	15.8	0.15	K161D	288.386	129.260	135.668	17.664	0.20155	3.16337	6	X
K11Q73A	18.0	0.15	K161D	44.178	4.369	345.277	4.678	0.21900	2.44519	2	X
K11UX1T	19.2	0.15	K161D	48.285	189.712	262.846	3.997	0.19480	2.24317	2	X
K11W29L	17.9	0.15	K161D	54.757	90.593	339.707	5.790	0.20039	2.33227	2	X
K11Y52T	18.4	0.15	K161D	313.110	156.793	73.028	4.608	0.10673	2.26209	2	X
K11Y63S	17.1	0.15	K161D	31.122	49.966	69.575	6.472	0.14289	2.36407	7	X
K12BD7S	18.5	0.15	K161D	79.627	309.281	133.186	6.123	0.12714	2.30464	5	W
K12C13K	18.4	0.15	K161D	41.643	89.953	30.519	2.096	0.10872	2.39934	2	X
K12C29U	18.9	0.15	K161D	339.404	37.686	159.512	3.189	0.03457	2.35645	2	X
K12C30U	19.2	0.15	K161D	45.074	113.427	355.478	2.242	0.17051	2.37673	2	X
K12C34M	19.4	0.15	K161D	15.036	138.427	11.666	1.098	0.16221	2.39335	2	X
K12D81F	17.8	0.15	K161D	326.152	146.379	73.228	3.644	0.15795	2.43403	3	W
K12G14T	17.5	0.15	K161D	278.306	271.340	9.857	4.520	0.26004	2.55883	3	W
K12G17R	17.1	0.15	K161D	275.085	137.181	141.692	11.895	0.17527	2.63478	3	X
K12H41L	16.7	0.15	K161D	253.563	197.908	101.588	14.073	0.17167	2.66440	4	X
K12H58N	17.0	0.15	K161D	258.022	116.220	186.464	17.449	0.31936	2.67875	2	X
K12H72Y	17.1	0.15	K161D	351.380	27.609	149.222	14.350	0.18904	2.60276	4	X
K12H74D	18.7	0.15	K161D	323.939	335.919	234.697	2.281	0.14144	2.60536	2	X
K12H74P	16.8	0.15	K161D	259.574	224.697	56.721	15.314	0.11108	2.65082	6	X
K12J19J	16.4	0.15	K161D	295.647	179.807	67.411	14.705	0.15301	2.64868	4	X
K12J24H	16.4	0.15	K161D	291.859	171.476	125.734	15.709	0.29194	2.53502	8	X
K12K07U	16.0	0.15	K161D	165.506	310.033	52.837	13.527	0.15217	2.80304	10	X
K12K20X	16.5	0.15	K161D	75.058	36.138	52.733	13.637	0.06263	2.62193	3	X
K12K34Q	17.7	0.15	K161D	254.778	190.613	125.303	4.324	0.27841	2.67543	2	X
K12L13J	16.7	0.15	K161D	315.210	69.726	167.944	18.471	0.23226	2.62969	6	X
K12P25X	18.3	0.15	K161D	325.735	96.514	147.250	27.248	0.44010	2.63134	2	X
K12TC6R	16.9	0.15	K161D	260.015	126.091	180.425	17.225	0.21716	3.05143	2	W
K12TE0J	17.5	0.15	K161D	63.438	260.838	181.975	23.007	0.10660	1.86578	5	X
K12TF0P	16.1	0.15	K161D	266.224	273.107	32.355	25.905	0.27168	3.18619	3	W
K13B45D	18.2	0.15	K161D	318.273	83.551	133.714	25.952	0.08853	1.91032	3	X
K13C32U	18.3	0.15	K161D	7.607	63.423	89.069	26.567	0.15568	1.98823	4	X
K13N03B	16.2	0.15	K161D	275.322	281.732	292.724	6.825	0.13011	2.70064	2	W
K13P19R	18.7	0.15	K161D	257.285	273.684	26.119	6.047	0.23414	2.32785	2	X
K13P30J	18.3	0.15	K161D	245.603	59.294	245.309	1.483	0.20135	2.46783	2	X
K13P55F	17.9	0.15	K161D	340.297	21.829	175.855	6.482	0.12384	2.61773	2	X
K13Q50X	17.9	0.15	K161D	160.423	198.486	175.855	6.268	0.02806	2.70058	2	X
K13R73R	18.0	0.15	K161D	292.198	251.174	43.313	9.643	0.32737	2.20393	2	X
K13R87D	16.7	0.15	K161D	143.955	181.169	201.852	18.050	0.12240	3.11510	2	X
K13S28N	17.5	0.15	K161D	213.132	312.672	27.126	13.303	0.26508	2.65868	2	X
K13T44R	16.5	0.15	K161D	141.801	13.652	19.775	18.044	0.14503	3.09182	2	X
K13T71F	17.0	0.15	K161D	223.541	93.013	221.618	3.435	0.05992	2.76001	2	X
K13T90M	17.4	0.15	K161D	118.455	220.508	196.293	10.095	0.03068	3.00718	2	X

K13T94O	16.8	0.15	K161D	133.989	173.964	222.304	10.254	0.12588	3.13883	2	X
K13TA9E	16.9	0.15	K161D	118.258	34.667	19.669	9.417	0.10454	3.18995	2	X
K13TC4Q	16.8	0.15	K161D	126.583	196.503	210.416	10.759	0.07437	3.17919	2	X
K13V05V	16.7	0.15	K161D	197.556	175.697	171.291	8.739	0.11287	3.07500	2	X
K14F33K	20.7	0.15	K161D	174.038	328.159	15.789	26.961	0.50352	0.97551	3	X
K14G48Y	18.6	0.15	K161D	285.655	212.767	37.646	39.625	0.41807	1.60967	4	X
K14R00F	17.8	0.15	K161D	329.541	46.034	156.436	23.721	0.06334	1.91335	3	X
K14SB9Y	19.2	0.15	K161D	94.400	38.897	24.177	3.365	0.16630	2.28733	2	X
K14SC8G	18.3	0.15	K161D	2.872	250.965	259.123	2.564	0.10418	2.20931	2	X
K14SG3J	18.6	0.15	K161D	113.029	10.313	41.602	7.756	0.18822	2.21030	2	X
K14U40Z	17.9	0.15	K161D	20.436	282.866	203.779	3.294	0.05733	2.44487	2	X
K14UC1B	16.4	0.15	K161D	16.588	97.325	42.021	15.837	0.16414	2.77657	3	X
K14UF0L	17.3	0.15	K161D	321.705	128.360	79.817	6.958	0.11805	2.21688	3	X
K14W50T	16.3	0.15	K161D	57.481	45.680	61.287	17.871	0.04884	2.63141	4	X
K14WJ8Y	18.2	0.15	K161D	77.281	259.768	187.243	10.549	0.13116	2.60121	2	X
K14WS5X	16.6	0.15	K161D	98.213	318.136	112.095	10.189	0.05859	2.56150	5	X
K14WZ2S	16.5	0.15	K161D	28.782	75.641	57.750	13.911	0.08899	2.67983	5	X
K14Wg8B	15.4	0.15	K161D	345.943	93.396	126.481	22.136	0.02842	3.14191	7	X
K14w18C	17.7	0.15	K161D	69.143	64.704	30.811	5.395	0.13498	2.76726	3	W
K14Y05G	15.2	0.15	K161D	4.252	72.262	114.832	32.656	0.12995	3.20205	3	X
K15A51D	16.9	0.15	K161D	147.831	254.037	123.754	10.326	0.09695	2.98791	3	W
K15A62E	17.6	0.15	K161D	264.921	39.893	245.212	3.982	0.08169	2.71651	2	X
K15A71V	17.3	0.15	K161D	83.910	23.645	79.115	3.194	0.02227	2.86048	2	X
K15AH1C	16.6	0.15	K161D	50.787	11.917	108.046	4.251	0.13371	3.92337	2	X
K15AK0F	16.5	0.15	K161D	315.260	180.821	59.574	9.118	0.16445	2.78222	3	W
K15AL8A	17.4	0.15	K161D	51.451	286.918	188.329	10.294	0.13335	3.06966	2	X
K15AO7P	17.6	0.15	K161D	122.605	357.707	49.765	2.725	0.10476	2.93718	3	W
K15AO8X	17.0	0.15	K161D	95.542	65.566	10.750	2.440	0.06678	3.12673	2	X
K15AR0Z	17.7	0.15	K161D	206.226	293.182	42.590	2.706	0.05286	2.82948	2	X
K15AR7J	16.7	0.15	K161D	196.112	146.406	202.564	11.600	0.12755	3.16605	2	X
K15B19U	17.9	0.15	K161D	208.650	269.613	73.219	5.929	0.13012	2.40034	2	X
K15B69K	16.5	0.15	K161D	231.933	129.941	190.000	8.950	0.06381	3.17813	2	X
K15BB0O	17.5	0.15	K161D	208.313	354.032	339.782	7.951	0.08558	2.85424	2	X
K15BB6Z	15.3	0.15	K161D	297.939	185.779	65.612	10.575	0.09115	3.11050	9	X
K15BG4Y	16.8	0.15	K161D	138.127	333.082	65.136	3.025	0.12525	3.21647	2	X
K15BI6M	16.4	0.15	K161D	161.820	311.556	74.071	6.728	0.02226	3.52695	2	X
K15BL7K	17.9	0.15	K161D	159.165	354.572	27.281	6.338	0.12558	2.57580	2	X
K15BR9L	16.6	0.15	K161D	232.541	107.818	201.992	9.203	0.12199	3.16175	2	X
K16A44Q	13.8	0.15	K161D	54.071	121.264	288.473	16.946	0.06755	5.16382	5	X
K16AC9O	16.8	0.15	K161D	3.390	138.871	10.502	13.178	0.17481	2.63864	5	X
K16AC9W	15.7	0.15	K161D	1.138	85.183	79.616	13.803	0.13906	3.18153	8	X
K16AC9Y	16.6	0.15	K161D	309.658	233.521	36.729	15.780	0.43637	3.08089	2	X
K16B39R	17.7	0.15	K161D	293.658	153.619	85.305	32.747	0.16142	2.04361	3	X
K16E02H	17.9	0.15	K161D	338.551	103.161	101.301	16.207	0.34294	2.62655	3	X
K16E38C	16.3	0.15	K161D	330.888	111.509	103.170	14.675	0.24074	3.05833	2	X
K16E55M	17.6	0.15	K161D	76.782	37.045	32.936	22.231	0.11368	1.92205	3	X
K16E73Q	16.7	0.15	K161D	351.863	15.412	158.817	16.753	0.13926	2.63635	7	X
K16E73X	15.6	0.15	K161D	50.388	22.737	92.457	10.345	0.06757	3.10898	6	X
K16E86U	15.7	0.15	K161D	295.011	168.045	77.394	16.228	0.09615	2.86483	5	X
K16E87G	17.9	0.15	K161D	345.278	45.355	134.684	9.741	0.13975	2.38438	2	X
K16EH2V	15.9	0.15	K161D	324.680	72.264	142.226	12.479	0.06731	3.03818	4	X
K16EI1A	17.2	0.15	K161D	321.083	247.846	337.366	3.078	0.21318	2.57537	5	X
K16EJ6Q	16.7	0.15	K161D	330.125	71.080	144.668	14.068	0.27484	3.07056	4	X
K16EJ7K	17.9	0.15	K161D	307.128	117.800	106.076	7.245	0.07544	2.18790	9	X
K16EK1F	16.5	0.15	K161D	302.244	235.776	5.684	31.472	0.24235	2.62429	7	X
K16EK2U	16.1	0.15	K161D	356.981	81.264	90.588	6.077	0.12703	3.10138	2	X
T3S1131	17.2	0.15	K161D	230.943	142.108	236.118	8.741	0.32644	2.69476	4	X
T3S4150	17.8	0.15	K161D	196.634	342.509	37.999	7.348	0.22931	2.35972	6	X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K15TH8Y	21.8	0.15	K161D	1.342	283.833	182.551	7.323	0.49542	2.01690	179	X
K15W09H	18.6	0.15	K161D	354.705	67.210	68.255	11.295	0.58929	3.16451	137	X

K15X01K	20.0	0.15	K161D	338.103	343.156	189.351	6.452	0.53492	1.63489	49	X
K15Xb9B	19.1	0.15	K161D	350.730	19.234	140.986	8.384	0.63960	3.19394	116	X
K15Y01N	21.0	0.15	K161D	354.497	99.800	28.374	9.489	0.33828	1.75362	103	X
K15Y07U	21.3	0.15	K161D	139.424	44.195	254.143	7.187	0.41258	0.81941	44	X
K16A65G	23.4	0.15	K161D	358.358	15.886	105.766	4.931	0.33638	1.69757	86	X
K16B14X	20.7	0.15	K161D	325.566	107.190	102.908	4.421	0.52156	2.05712	91	X
K16C29S	18.9	0.15	K161D	319.343	39.115	174.086	13.991	0.55365	1.97319	58	X
K16C30B	23.5	0.15	K161D	337.228	172.986	5.433	2.933	0.47037	2.04448	63	X
K16CD7X	19.7	0.15	K161D	320.345	167.510	100.970	16.702	0.74004	2.24072	50	X
K16CJ5Q	18.2	0.15	K161D	295.995	324.806	333.469	28.390	0.70613	2.16697	55	X
K16D21W	21.2	0.15	K161D	332.736	93.969	133.346	15.534	0.59432	2.64901	28	X
K16E01N	21.2	0.15	K161D	249.369	55.835	193.048	14.583	0.10808	1.43904	38	X
K16E28F	21.7	0.15	K161D	0.244	291.767	144.236	5.165	0.65778	1.87148	35	X
K16E85U	19.2	0.15	K161D	68.183	23.409	359.470	2.600	0.48195	1.84867	78	X
K16EF6E	17.8	0.15	K161D	318.583	175.584	134.192	28.903	0.81090	2.57491	40	X
K16EF6L	23.2	0.15	K161D	354.138	312.056	168.783	44.060	0.50557	1.85267	5	X
K16EF7E	20.8	0.15	K161D	235.461	144.095	172.639	21.189	0.47981	1.21933	33	X
K16EF8A	21.1	0.15	K161D	305.960	156.745	148.868	15.523	0.75144	1.82930	26	X
K16EF8B	20.5	0.15	K161D	318.766	225.911	2.705	25.080	0.44747	2.28391	15	X
K16F01E	20.4	0.15	K161D	317.404	175.917	35.748	22.263	0.38496	1.74200	23	X
K16F02X	23.6	0.15	K161D	332.424	129.822	17.658	6.755	0.17170	1.21880	21	X
K16F02Y	25.4	0.15	K161D	103.652	204.711	150.869	1.905	0.17778	0.86925	35	X
K16F03Y	21.0	0.15	K161D	327.151	238.259	35.970	22.443	0.68916	2.63090	20	X
K16F06T	20.0	0.15	K161D	357.246	199.949	195.107	18.461	0.84794	2.12845	14	X
K16F12E	20.6	0.15	K161D	349.733	47.323	9.042	29.835	0.69685	1.27484	11	X
K16F12O	22.6	0.15	K161D	351.039	200.858	287.853	4.244	0.62402	2.52873	12	X
K16F12S	24.1	0.15	K161D	314.002	66.714	188.854	10.484	0.54548	1.99128	10	X
K16F13F	23.4	0.15	K161D	328.080	89.837	150.762	3.002	0.58815	2.40383	8	X
K16F13L	25.2	0.15	K161D	322.763	47.647	197.107	8.485	0.57738	2.20434	10	X
K16F13V	25.8	0.15	K161D	296.729	51.981	201.929	5.039	0.44911	1.59310	9	X
K16F13X	26.4	0.15	K161D	355.280	81.843	356.342	2.804	0.49485	1.21693	7	X
K16F13Z	28.3	0.15	K161D	23.070	245.052	184.557	3.550	0.15142	0.96008	7	X
K16F14C	25.4	0.15	K161D	355.360	218.015	246.092	3.961	0.65972	2.23546	8	X
K16F15G	19.8	0.15	K161D	326.851	183.610	72.474	16.870	0.70985	2.60766	8	X
K16F39G	26.8	0.15	K161D	261.801	63.878	197.072	3.273	0.28658	1.24100	10	X
K16G00U	25.6	0.15	K161D	285.319	235.953	20.282	7.003	0.38607	1.44837	7	X
K16G01G	26.5	0.15	K161D	322.342	359.643	190.215	6.204	0.36014	1.60942	5	X
K16G02F	26.7	0.15	K161D	323.030	50.150	193.855	7.854	0.58900	2.16812	5	X
K16G02M	24.8	0.15	K161D	334.773	184.253	41.685	2.116	0.61687	2.63306	4	X
K16G02N	24.9	0.15	K161D	117.800	334.626	18.594	10.370	0.14622	0.93881	4	X
K16G02X	25.1	0.15	K161D	305.798	38.892	194.150	17.092	0.39324	1.63538	4	X
K16G03A	24.8	0.15	K161D	167.105	304.003	12.827	10.367	0.15990	0.97470	5	X
K16G03H	26.8	0.15	K161D	326.276	171.411	21.172	2.478	0.42597	1.77671	3	X
K16GD4C	26.3	0.15	K161D	260.057	48.201	195.580	4.828	0.15821	1.17069	5	X
K16GD4G	25.5	0.15	K161D	338.881	336.721	195.190	7.663	0.50839	2.06894	7	X
K16GD4J	23.5	0.15	K161D	349.917	62.197	15.116	0.855	0.66269	1.53390	4	W
K16GD4K	27.3	0.15	K161D	306.395	77.508	172.803	1.657	0.49380	1.74531	3	W
K16GD4L	24.4	0.15	K161D	344.090	23.630	133.733	2.227	0.49417	2.10209	3	W
K16GD4M	26.0	0.15	K161D	349.512	92.286	27.370	3.308	0.26804	1.25266	3	W
K16GD4N	30.2	0.15	K161D	342.921	287.544	194.808	4.779	0.51625	1.57384	2	X
K16GD4O	27.6	0.15	K161D	327.349	233.289	18.920	7.096	0.64802	2.40347	1	W
K16GD4P	21.9	0.15	K161D	349.435	312.802	198.437	20.963	0.19025	1.46192	6	X
K16GD4Q	21.5	0.15	K161D	236.439	302.120	22.670	12.306	0.47353	1.49502	5	W
K16GD4S	27.6	0.15	K161D	343.357	317.494	182.248	0.299	0.52020	1.81032	6	X

New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K16E56N	18.2	0.15	K162M	344.537	77.134	135.740	12.399	0.42354	3.04965	65	X
K16E74A	17.9	0.15	K163D	346.432	76.718	124.066	11.353	0.18883	2.35885	33	X
K16EF0E	17.8	0.15	K163D	43.996	91.660	42.569	9.133	0.16812	2.56613	27	DW
K16EH3H	15.6	0.15	K163D	47.224	53.886	78.477	14.388	0.04395	3.19773	27	X
K16EH7R	17.2	0.15	K162M	20.469	314.950	185.495	32.386	0.23261	2.60436	54	X
K16EK2Q	17.1	0.15	K162M	8.661	26.791	133.134	12.900	0.18587	2.71639	82	X

K16F00N	17.0	0.15	K162M	358.937	81.746	114.544	28.418	0.36066	2.60278	58DW
K16F12N	18.0	0.15	K162M	160.807	193.873	180.818	22.213	0.08484	1.97387	51DW
K16F14U	17.0	0.15	K162M	94.552	211.604	178.139	67.422	0.39753	2.21980	48DW
K16F19W	16.1	0.15	K162M	341.011	64.296	138.717	16.288	0.08190	2.97943	62 X
K16F19Y	15.9	0.15	K162M	278.655	171.315	96.853	10.689	0.02752	2.93302	62 X
K16F24Z	18.2	0.15	K162M	332.048	59.040	158.611	2.695	0.12373	2.41234	53DW
K16F35H	16.9	0.15	K163D	11.823	121.066	53.261	3.267	0.15135	3.01951	32DW
K16F35J	18.6	0.15	K163D	343.580	170.559	39.998	3.661	0.17169	2.33186	23DW
K16F39Y	16.4	0.15	K1622	65.591	102.550	333.051	15.339	0.21251	3.16917	85 W
K16F40T	16.7	0.15	K162M	28.913	183.253	314.985	9.584	0.02285	3.08290	75 W
K16F41B	16.5	0.15	K163D	270.090	164.418	127.615	13.192	0.17402	2.63748	35 W
K16F41K	17.9	0.15	K162M	20.174	142.066	11.352	21.977	0.06993	1.85606	82 W
K16F41O	18.3	0.15	K163D	239.741	208.708	108.096	3.220	0.09778	2.33929	24 W
K16F42E	16.7	0.15	K162M	22.665	2.706	138.589	7.145	0.22349	3.06271	79 W
K16F42J	16.8	0.15	K162M	59.926	332.321	140.664	14.083	0.03935	2.59138	61 W
K16F42N	17.6	0.15	K162M	24.424	77.724	72.050	6.314	0.06160	2.22857	80 W
K16F42R	16.2	0.15	K162M	340.548	139.955	68.977	11.140	0.09245	3.14913	60 W
K16F43M	16.7	0.15	K163D	279.370	40.346	238.316	6.614	0.11153	2.32954	32 W
K16F44L	16.8	0.15	K162M	336.089	14.539	175.464	4.562	0.12677	3.14594	58 W
K16F44P	17.0	0.15	K163D	268.875	95.489	179.797	8.205	0.16938	2.72481	35 W
K16F44X	16.3	0.15	K162M	71.343	95.650	345.637	14.051	0.08813	3.35217	58 W
K16F45K	16.4	0.15	K163D	285.820	200.740	70.276	2.632	0.05639	3.18677	22 W
K16F45W	17.6	0.15	K163D	56.308	125.485	340.480	9.359	0.02757	2.53962	35 W
K16F46A	16.7	0.15	K163D	49.777	312.561	182.086	4.477	0.08557	3.02888	30 W
K16F46E	17.8	0.15	K163D	286.277	263.537	18.169	12.618	0.15466	2.53814	15 W
K16F49A	16.2	0.15	K162M	233.699	321.875	359.620	17.295	0.14562	2.78188	59 W
K16F49W	17.1	0.15	K1622	335.398	212.265	351.836	12.523	0.10599	2.57702	85 W
K16F49Z	18.4	0.15	K162M	283.375	307.776	329.319	6.579	0.18479	2.22285	54 W
K16F50A	17.5	0.15	K163D	83.233	104.959	352.191	12.115	0.05332	2.61218	31 W
K16F50J	17.9	0.15	K162M	309.670	6.687	234.306	4.334	0.13666	2.19459	78 W
K16F50R	16.9	0.15	K163D	227.215	353.995	336.359	7.381	0.10009	2.72790	29 W
K16F50Y	16.4	0.15	K1622	336.216	340.061	229.812	4.039	0.15893	3.17310	85 W
K16F51D	17.3	0.15	K163D	288.722	291.610	357.524	12.499	0.25625	2.66278	30 W
K16F51G	18.4	0.15	K163D	312.194	304.075	309.432	2.227	0.19151	2.56613	29 W
K16F51M	17.7	0.15	K163D	75.657	257.726	212.099	5.791	0.02960	2.59442	30 W
K16F52G	16.9	0.15	K163D	283.963	66.773	209.508	11.518	0.08526	2.46204	30 W
K16F52P	16.4	0.15	K163D	251.990	354.519	309.205	4.532	0.02757	3.20126	30 W
K16F52T	17.2	0.15	K163D	62.160	156.471	325.499	4.542	0.06865	2.53273	30 W
K16F53V	17.4	0.15	K163D	12.043	167.990	5.918	14.690	0.18154	3.11981	30 W
K16F54E	17.7	0.15	K162M	342.639	136.892	69.846	5.876	0.15831	2.38691	80 W
K16F54M	17.6	0.15	K162M	327.884	34.400	198.353	10.984	0.22597	2.41538	54 W
K16F54U	15.9	0.15	K162M	339.623	161.264	58.351	21.005	0.17163	3.12587	58 W
K16F54V	16.4	0.15	K162M	285.022	168.128	100.292	10.382	0.02840	2.52091	58 W
K16F55C	17.4	0.15	K162M	26.875	330.638	178.185	9.136	0.23951	3.05281	53 W
K16F55D	16.7	0.15	K162M	77.802	307.007	153.439	4.939	0.15702	2.89140	53 W
K16F56C	17.9	0.15	K162M	336.498	223.017	342.810	5.252	0.16848	2.53326	75 W
K16F56G	17.7	0.15	K162M	47.722	83.670	39.954	6.808	0.04278	2.28623	78 W
K16F56P	17.6	0.15	K1642	23.640	81.454	13.745	25.384	0.35000	2.71606	8 W
K16G03M	17.7	0.15	K162M	292.191	165.231	93.297	5.846	0.15352	2.22814	53 W
K16G03P	16.7	0.15	K162M	15.811	94.142	60.711	8.645	0.23780	2.72117	75 X
K16G03Q	17.3	0.15	K162M	241.088	261.260	48.480	14.197	0.05919	2.56093	60 W
K16G03U	16.2	0.15	K162M	326.958	93.486	129.475	10.882	0.04707	2.92653	82 W
K16G03V	17.0	0.15	K162M	337.956	102.186	114.499	10.872	0.18685	3.17868	56 W
K16G04G	16.9	0.15	K162M	54.569	267.141	190.408	12.319	0.19959	3.08313	52 W
K16G05F	16.3	0.15	K1622	303.025	281.851	312.511	4.337	0.10229	3.08842	85 W
K16G05G	18.0	0.15	K162M	37.992	250.906	231.506	3.793	0.11578	2.65696	52 W
K16G05O	16.8	0.15	K163D	29.456	301.322	190.977	16.383	0.18843	3.11917	23 W
K16G06B	18.4	0.15	K163D	345.756	5.807	194.543	13.659	0.17560	2.57879	31 W
K16G06E	16.1	0.15	K1622	229.334	349.573	325.332	3.202	0.10462	3.08618	85 W
K16G06J	17.0	0.15	K163D	322.647	230.478	353.707	13.309	0.06004	3.22447	23 W
K16G06K	16.7	0.15	K1622	287.633	271.825	334.826	5.149	0.01443	2.90429	85 W
K16G06S	17.4	0.15	K1622	311.879	336.965	244.746	3.194	0.02551	2.70366	85 W
K16G06V	16.1	0.15	K1622	142.197	146.855	243.112	3.589	0.01312	3.09476	85 W

K16G06Z	16.8	0.15	K162M	253.609	355.176	298.161	3.708	0.10211	2.74230	52 W
K16G07D	17.5	0.15	K163D	348.517	246.289	309.137	4.045	0.12426	3.12997	23 W
K16G07H	17.0	0.15	K162M	79.337	104.667	342.590	10.533	0.08470	3.16224	52 W
K16G07N	18.5	0.15	K162M	330.668	237.049	341.631	7.345	0.24624	2.63611	52 W
K16G07U	16.3	0.15	K162M	220.905	3.527	317.111	6.090	0.07444	3.20498	52 W
K16G07V	16.7	0.15	K1622	144.373	69.554	314.875	5.397	0.03608	2.71385	85 W
K16G08D	18.2	0.15	K163D	35.475	284.124	194.219	27.944	0.36422	2.58045	22 W
K16G09O	15.8	0.15	K163D	212.897	314.802	33.782	12.138	0.11662	3.05848	31 W
K16G10V	18.3	0.15	K162M	359.838	14.687	168.481	3.262	0.13900	2.61180	53 W
K16G11H	17.0	0.15	K163D	55.988	268.871	192.112	13.647	0.17888	3.09711	22 W
K16G11N	17.0	0.15	K162M	231.614	96.945	210.282	5.851	0.06834	2.79674	52 W
K16G11R	17.7	0.15	K162M	15.932	310.467	203.383	6.367	0.05442	2.64458	52 W
K16G14W	17.2	0.15	K162M	24.712	173.389	334.077	8.083	0.09411	3.02680	52 W
K16G15V	16.3	0.15	K1622	86.145	88.891	353.647	20.631	0.06647	3.14541	85 W
K16G16C	17.9	0.15	K163D	347.389	253.597	304.015	3.252	0.12910	2.57994	23 W
K16G16L	16.8	0.15	K162M	126.028	202.994	199.226	6.674	0.09865	2.73062	52 W
K16G16P	17.7	0.15	K163D	271.820	291.983	351.013	5.702	0.12453	2.62684	23 W
K16G16Q	16.3	0.15	K162M	41.502	153.490	328.666	3.725	0.16382	3.99512	52 W
K16G16U	16.4	0.15	K162M	181.489	21.547	335.886	3.474	0.11147	3.27000	52 W
K16G16X	17.2	0.15	K163D	95.842	71.818	1.747	21.963	0.10284	2.61976	32 W
K16G17B	18.5	0.15	K162M	20.699	214.773	288.401	1.490	0.16580	2.35871	75 W
K16G17F	18.4	0.15	K163D	2.928	340.204	195.617	11.848	0.16936	2.70237	20 W
K16G17G	17.3	0.15	K163D	106.605	60.739	356.052	10.331	0.17890	2.65372	23 W
K16G17L	18.1	0.15	K163D	327.866	7.126	210.321	3.810	0.06816	2.65678	23 W
K16G17M	16.3	0.15	K163D	207.064	143.321	193.860	12.897	0.05321	3.08868	20DW
K16G17S	18.8	0.15	K163D	344.723	339.170	219.465	3.196	0.09280	2.27276	23 W
K16G18B	17.0	0.15	K162M	87.574	78.026	358.183	8.721	0.11089	2.97605	52 W
K16G18J	17.6	0.15	K163D	348.891	191.859	3.559	27.832	0.16089	3.07045	20 W
K16G18S	18.0	0.15	K163D	346.547	194.672	359.936	6.276	0.02620	2.35414	23 W
K16G18T	17.1	0.15	K163D	70.453	104.344	0.567	8.142	0.05329	2.94576	23DW
K16G18V	18.8	0.15	K163D	338.462	204.005	3.499	4.901	0.11765	2.41060	23 W
K16G19J	18.2	0.15	K163D	355.703	1.279	186.405	6.691	0.21336	3.06737	20 W
K16G19U	18.6	0.15	K163D	313.768	47.555	189.657	4.298	0.10988	2.27182	23 W
K16G20D	17.3	0.15	K163D	240.336	301.607	11.386	4.327	0.11924	2.55201	23DW
K16G20H	16.7	0.15	K1622	338.313	174.975	26.245	0.760	0.13398	3.10311	85 W
K16G20L	17.4	0.15	K162M	331.855	24.414	186.282	17.495	0.11071	2.56277	47 W
K16G21B	17.6	0.15	K163D	268.115	16.310	275.662	2.279	0.16195	2.33321	23 W
K16G21G	17.4	0.15	K163D	305.335	43.058	199.143	7.589	0.05641	2.91162	23 W
K16G21K	18.9	0.15	K163D	75.566	239.391	224.278	3.969	0.02421	2.34932	23 W
K16G23B	16.2	0.15	K163D	160.247	182.452	196.915	15.038	0.13893	2.86430	20DW
K16G23M	16.4	0.15	K1622	269.969	300.899	332.715	7.423	0.06826	3.07952	85 W
K16G23N	16.7	0.15	K162M	203.495	359.111	339.925	8.999	0.07193	2.77903	52 W
K16G23Q	16.7	0.15	K1622	350.983	219.051	322.311	5.728	0.09573	2.55162	85 W
K16G24D	18.0	0.15	K163D	228.738	79.632	243.926	3.588	0.11856	2.37249	21 W
K16G24U	16.6	0.15	K1622	340.827	205.487	350.315	9.090	0.10314	2.67792	86 W
K16G25F	17.5	0.15	K163D	197.438	49.760	300.261	2.597	0.09067	2.68795	23 W
K16G25K	18.6	0.15	K163D	322.182	304.192	283.420	2.525	0.08443	2.39361	23 W
K16G25L	18.2	0.15	K163D	92.865	92.980	348.147	6.767	0.09097	2.44366	24 W
K16G26S	19.8	0.15	K163D	331.145	328.549	251.110	1.273	0.14369	2.27818	20 W
K16G27A	17.5	0.15	K1622	358.456	185.539	348.046	2.679	0.08997	2.61560	85 W
K16G27Q	19.5	0.15	K163D	305.458	34.251	217.321	1.875	0.14343	2.17063	23 W
K16G27R	17.5	0.15	K163D	49.722	282.653	189.209	15.608	0.21629	3.14594	23DW
K16G28C	18.7	0.15	K163D	294.636	345.648	279.703	0.567	0.15044	2.33773	23 W
K16G28H	18.1	0.15	K163D	302.973	56.718	207.075	2.752	0.21493	2.38179	31 W
K16G28Q	18.5	0.15	K163D	20.632	330.897	185.600	8.400	0.10360	2.43498	20 W
K16G28U	17.3	0.15	K163D	44.283	104.902	11.847	15.388	0.22190	3.09174	20 W
K16G28X	16.5	0.15	K162M	207.161	180.529	157.155	2.350	0.09203	2.92758	52 W
K16G28Y	19.6	0.15	K163D	337.703	83.180	128.969	1.192	0.16787	2.29429	24 W
K16G29T	17.1	0.15	K1622	37.359	317.675	170.568	4.687	0.12914	3.14943	85 W
K16G29X	18.8	0.15	K163D	21.482	131.097	23.075	1.775	0.13881	2.43063	23 W
K16G30A	16.4	0.15	K162M	23.913	133.704	9.364	19.425	0.20262	3.17901	76 W
K16G30O	17.5	0.15	K162M	356.267	168.167	13.920	7.116	0.11960	2.56179	44 W
K16G30R	16.9	0.15	K162M	316.417	219.054	10.782	10.766	0.08308	2.62396	75 W

K16G30S	18.9	0.15	K162M	5.158	339.134	186.167	4.110	0.26413	2.68795	52	W
K16G31E	17.4	0.15	K163D	34.806	102.662	38.528	1.301	0.12485	3.06979	23	W
K16G31H	17.3	0.15	K163D	261.519	290.169	13.093	12.684	0.17744	2.66932	23	W
K16G31M	17.6	0.15	K163D	240.242	291.333	20.334	2.195	0.06009	2.85498	23	W
K16G32M	19.2	0.15	K163D	54.385	322.217	150.360	1.468	0.16273	2.23177	23	W
K16G32U	17.4	0.15	K163D	174.439	358.328	12.654	15.145	0.11731	2.53814	23	W
K16G32X	18.1	0.15	K163D	85.802	230.418	197.736	8.614	0.27741	2.43824	20	W
K16G33F	17.3	0.15	K163D	62.695	265.633	204.473	8.312	0.11680	2.75186	21	W
K16G33X	17.7	0.15	K163D	10.177	170.877	3.927	8.345	0.02800	2.63799	23	W
K16G35H	16.1	0.15	K163D	203.744	148.247	204.804	9.441	0.21479	2.75861	29	W
K16G37W	16.7	0.15	K163D	54.349	281.637	192.670	9.749	0.17552	3.16278	23	W
K16G37X	18.1	0.15	K162M	9.572	324.481	201.277	0.543	0.12416	2.44436	52	W
K16G39V	18.3	0.15	K163D	51.364	303.312	187.614	4.525	0.04788	2.55664	29	W
K16G40T	16.9	0.15	K162M	343.730	181.793	18.475	9.650	0.06346	2.98839	75	W
K16G41B	17.2	0.15	K162M	18.406	110.888	46.567	1.763	0.13197	3.07242	75	W
K16G41C	17.5	0.15	K163D	234.926	285.458	31.497	2.357	0.05331	2.86623	23	W
K16G41G	17.7	0.15	K163D	246.074	134.517	177.572	6.652	0.12314	2.34680	23	W
K16G42A	19.0	0.15	K163D	291.505	189.640	80.651	1.038	0.14808	2.16565	22	W
K16G43H	17.2	0.15	K163D	232.413	159.647	164.797	7.092	0.10772	2.40793	27	W
K16G44T	17.8	0.15	K163D	103.340	253.543	188.955	11.571	0.02044	2.71122	29	W
K16G45C	17.5	0.15	K163D	255.011	278.727	25.937	6.192	0.11066	2.66457	23	W
K16G47Z	17.9	0.15	K163D	347.127	336.854	224.778	1.020	0.03547	2.79745	29	W
K16G48L	18.2	0.15	K1622	359.036	162.824	9.346	2.323	0.08474	2.20632	86	W
K16G48P	17.2	0.15	K163D	250.286	113.633	195.587	13.401	0.10769	2.64072	30	W
K16G52E	17.7	0.15	K163D	347.343	194.404	10.049	12.823	0.07261	2.71852	30	DW
K16G53G	17.4	0.15	K163D	330.923	225.374	0.355	4.689	0.10091	2.77973	30	W
K16G54A	18.1	0.15	K163D	301.748	67.790	194.201	5.467	0.15232	2.29865	30	W
K16G55J	16.5	0.15	K163D	160.989	206.996	182.295	2.926	0.03272	3.09283	30	W
K16G55Q	17.6	0.15	K163D	79.412	285.999	176.835	4.024	0.06490	2.57897	29	W
K16G55W	16.8	0.15	K163D	149.720	209.143	184.237	9.563	0.19087	3.00516	2	DW
K16G56Y	16.5	0.15	K163D	302.918	219.980	42.514	1.452	0.13242	3.17441	29	W
K16G57K	16.6	0.15	K1622	61.399	108.160	352.594	8.599	0.07272	2.97686	85	W
K16G57T	18.2	0.15	K163D	268.126	344.842	306.840	2.867	0.16191	2.43413	20	W
K16G58B	18.1	0.15	K163D	323.094	254.246	3.234	24.714	0.39118	3.13621	20	W
K16G58E	18.1	0.15	K162M	287.610	354.238	266.068	2.092	0.15039	2.45812	52	W
K16G58J	17.5	0.15	K162M	69.608	95.538	347.370	11.183	0.16844	2.58289	76	W
K16G59E	17.8	0.15	K163D	50.824	273.477	194.782	16.003	0.22991	3.14998	20	W
K16G59M	18.8	0.15	K163D	21.380	154.611	356.133	12.772	0.20079	2.70759	23	W
K16G59Q	17.1	0.15	K163D	64.759	106.341	5.226	10.420	0.06950	3.17867	23	W
K16G60P	16.3	0.15	K162M	162.907	18.159	0.150	9.941	0.10766	3.12745	52	W
K16G61L	17.4	0.15	K163D	339.372	346.232	227.075	2.784	0.10505	3.04316	29	W
K16G63Q	18.4	0.15	K163D	255.081	81.833	228.960	1.574	0.17833	2.22850	29	W
K16G66P	18.9	0.15	K1642	315.429	171.834	86.126	0.867	0.18445	2.25577	3	DW
K16G66S	17.7	0.15	K163D	116.759	41.828	22.438	6.846	0.11183	2.29927	24	W
K16G67D	18.0	0.15	K163D	9.955	242.907	290.211	0.668	0.11170	2.52252	30	W
K16G67E	19.3	0.15	K163D	352.289	3.906	191.209	0.887	0.12122	2.32543	23	W
K16G67Y	17.0	0.15	K162M	0.484	140.614	48.537	9.745	0.07651	2.74054	51	W
K16G68G	17.4	0.15	K163D	279.014	263.563	37.557	14.818	0.23124	2.53302	24	W
K16G68L	16.2	0.15	K162M	38.433	100.004	32.578	16.475	0.20484	3.05845	58	W
K16G68Y	17.8	0.15	K163D	13.620	13.610	157.067	6.032	0.19493	2.62966	24	W
K16G69B	16.0	0.15	K162M	27.261	348.875	171.396	11.104	0.07919	3.19770	79	W
K16G73F	16.9	0.15	K163D	38.846	328.167	180.488	9.421	0.03160	2.97485	23	W
K16G76G	18.2	0.15	K163D	2.411	20.016	165.627	3.682	0.15790	2.71529	23	W
K16G80U	18.8	0.15	K163D	2.864	161.162	24.555	3.527	0.13069	2.38878	30	W
K16G85W	15.9	0.15	K163D	114.667	256.456	177.902	10.745	0.06121	3.01118	31	W
K16G86A	18.4	0.15	K163D	348.420	74.341	128.367	2.849	0.15745	2.35838	23	W
K16G86K	18.3	0.15	K163D	75.809	289.557	154.349	5.009	0.25855	2.31261	23	W
K16G86S	18.8	0.15	K163D	309.674	145.917	110.414	3.179	0.18005	2.32863	26	W
K16G87Y	17.1	0.15	K162M	334.221	151.437	66.231	3.582	0.14258	2.62251	78	W
K16G92Q	17.3	0.15	K162M	54.079	34.382	92.318	5.158	0.10510	2.76754	51	W
K16G92T	17.0	0.15	K162M	178.529	227.486	147.053	6.767	0.04536	2.73702	51	W
K16G92Y	16.7	0.15	K162M	300.323	221.588	40.533	15.599	0.10810	2.86247	52	W
K16G93T	17.7	0.15	K163D	353.242	67.838	134.552	5.976	0.08779	2.44014	28	W

K16G93W	17.7	0.15	K162M	36.918	335.731	156.689	9.209	0.21586	2.53537	51	W
K16G94B	17.8	0.15	K162M	325.838	154.226	77.252	6.859	0.14672	2.39218	51	W
K16G95M	17.7	0.15	K163D	48.611	96.952	27.221	25.459	0.19611	2.25550	27	W
K16G96D	16.3	0.15	K163D	290.047	243.735	50.700	11.665	0.22822	3.13413	27	W
K16G96M	16.8	0.15	K162M	123.029	11.080	52.496	12.011	0.09258	2.88374	51	W
K16G98Z	17.0	0.15	K162M	59.625	78.210	46.762	10.141	0.05916	2.68775	51	W
K16GA0L	18.9	0.15	K163D	12.873	129.265	43.163	3.458	0.15656	2.37598	23	W
K16GA2R	16.8	0.15	K163D	76.779	273.653	195.375	15.940	0.08652	3.17817	29	W
K16GA2Z	16.9	0.15	K163D	247.895	115.752	196.208	9.680	0.04879	2.70945	30	W
K16GA9K	17.6	0.15	K163D	95.743	261.988	190.145	14.769	0.08528	2.54958	27	W
K16GB1Y	18.0	0.15	K162M	280.583	117.487	179.399	4.464	0.23899	2.20945	53	W
K16GB2L	16.4	0.15	K163D	36.798	310.462	198.513	20.931	0.17600	3.19517	28	W
K16GB2M	18.0	0.15	K162M	305.514	170.586	78.925	3.238	0.04328	2.35110	53	W
K16GB2P	15.8	0.15	K162M	52.152	94.675	46.232	9.926	0.04021	3.14903	52	W
K16GB3W	16.0	0.15	K162M	100.281	43.463	42.177	10.120	0.11301	2.93229	53	W
K16GB5J	17.3	0.15	K163D	298.316	106.595	170.730	4.916	0.21886	3.18006	23	W
K16GB5Z	17.9	0.15	K163D	33.730	104.863	38.708	4.731	0.17104	2.68112	31	W
K16GB8Z	18.6	0.15	K163D	33.488	13.856	128.614	4.786	0.20043	2.55374	25	W
K16GB9M	17.2	0.15	K162M	7.191	91.304	86.882	5.810	0.14057	2.59344	78	W
K16GC3V	17.4	0.15	K162M	281.923	179.559	101.467	7.743	0.09603	2.63005	54	W
K16GC4G	17.9	0.15	K163D	351.072	83.914	143.238	10.049	0.19763	2.67887	30	W
K16GC4P	16.6	0.15	K162M	298.792	282.858	341.077	11.001	0.16645	2.59142	54	W
K16GC4Y	15.7	0.15	K163D	281.748	268.336	20.129	15.845	0.13789	3.06470	24	W
K16GC5X	16.5	0.15	K162M	341.537	12.426	203.701	12.757	0.20916	2.69326	60	W
K16GC6E	17.0	0.15	K162M	70.686	263.505	211.458	3.527	0.07548	2.55392	53	W
K16GC6F	17.1	0.15	K162M	274.111	271.293	21.314	6.662	0.11074	2.45662	53	W
K16GC7U	18.5	0.15	K163D	4.008	186.451	0.184	5.537	0.04313	2.27561	30	W
K16GC8Y	16.9	0.15	K163D	51.236	159.190	335.055	5.131	0.06843	2.92581	30	W
K16GC9C	16.9	0.15	K163D	83.777	79.010	356.898	15.567	0.21951	3.11555	21	W
K16GC9K	17.9	0.15	K163D	343.802	43.970	170.961	1.697	0.18368	2.43747	22	W
K16GC9O	16.1	0.15	K163D	231.489	119.954	201.608	15.498	0.04319	3.11430	31	W
K16GC9T	18.5	0.15	K163D	3.799	184.294	0.243	5.182	0.13682	2.33248	30	W
K16GC9X	17.8	0.15	K162M	9.749	251.054	278.575	1.464	0.17041	2.52573	54	W
K16GD0A	15.8	0.15	K162M	43.172	353.941	140.076	9.833	0.04965	3.17056	77	W
K16GD1Q	17.1	0.15	K162M	341.516	205.243	4.809	13.169	0.12696	3.02027	54	W
K16GD1R	17.7	0.15	K163D	323.592	296.451	297.800	2.548	0.09753	2.73167	30	W
K16GD1V	18.7	0.15	K162M	319.316	259.407	336.610	2.951	0.17399	2.29098	54	W
K16GD1Y	16.4	0.15	K162M	104.089	327.544	101.695	6.737	0.06430	2.72028	77	W
K16GD1Z	17.3	0.15	K162M	355.091	75.247	110.546	7.579	0.16624	2.65543	51	W
K16GD2D	17.2	0.15	K162M	289.281	143.149	119.900	7.316	0.09679	2.30690	79	W
K16GD2U	16.6	0.15	K162M	18.608	1.895	156.377	17.914	0.16930	3.11174	79	W
K16GD2X	15.9	0.15	K162M	233.689	175.627	141.585	12.687	0.04528	2.92597	81	W
K16GD2Y	17.0	0.15	K162M	330.145	171.141	51.553	13.991	0.14371	2.68684	79	W
K16GD3O	17.0	0.15	K162M	315.268	209.978	48.544	11.203	0.27491	2.60401	79	W
K16GD3T	17.7	0.15	K163D	153.425	292.906	107.047	2.604	0.17990	2.46379	21	W
K16GD4R	22.3	0.15	K1642	356.071	21.043	183.022	2.598	0.36176	2.29206	5	X

New observations:

K03G00R	"C2016	04	07.31362413	30	05.38	+18	10	57.3	18.2	RtEG115705	
K03G00R	"C2016	04	07.31464113	30	05.02	+18	10	55.5	18.2	RtEG115705	
K03G00R	"C2016	04	07.31565513	30	04.29	+18	10	51.2	18.0	RtEG115705	
K05G33R	C2016	04	08.44999	17	15	03.36	-02	27	39.2	17.5	RqEG115H45
K05G33R	C2016	04	08.45085	17	15	03.40	-02	27	53.7	17.7	RqEG115H45
K05G33R	C2016	04	08.45156	17	15	03.41	-02	28	05.1	17.5	RqEG115H45
K05G33R	C2016	04	08.45223	17	15	03.42	-02	28	16.1	17.5	RqEG115H45
K05G33R	C2016	04	08.45298	17	15	03.43	-02	28	28.9	17.4	RqEG115H45
K05G33R	C2016	04	08.45388	17	15	03.47	-02	28	43.6	17.3	RqEG115H45
K05G33R	C2016	04	08.45473	17	15	03.49	-02	28	58.5	17.5	RqEG115H45
K05G33R	C2016	04	08.45561	17	15	03.53	-02	29	12.6	17.6	RqEG115H45
K05P02H	C2016	04	08.38606	14	17	46.42	+10	05	14.9	19.4	RqEG115H45
K05P02H	C2016	04	08.38759	14	17	46.09	+10	05	13.8	19.2	RqEG115H45
K05P02H	C2016	04	08.38872	14	17	45.75	+10	05	13.8	19.4	RqEG115H45
K05P02H	C2016	04	08.39006	14	17	45.39	+10	05	13.5	19.2	RqEG115H45

K05P02H	C2016	04	08.39139	14	17	45.06	+10	05	13.4	19.1	RqEG115H45
K05P02H	C2016	04	08.39270	14	17	44.73	+10	05	12.8	19.1	RqEG115H45
K06H05V	C2016	04	08.31530	13	09	21.27	+72	14	00.3	19.4	RqEG115H45
K06H05V	C2016	04	08.31657	13	09	19.95	+72	13	58.4	19.2	RqEG115H45
K06H05V	C2016	04	08.31799	13	09	18.20	+72	13	57.6	19.5	RqEG115H45
K06H05V	C2016	04	08.31908	13	09	16.72	+72	13	55.7	19.3	RqEG115H45
K06H05V	C2016	04	08.32018	13	09	15.46	+72	13	54.0	19.4	RqEG115H45
K06H05V	C2016	04	08.32139	13	09	13.86	+72	13	52.4	19.2	RqEG115H45
K09E00C	C2016	04	08.35748	13	46	50.37	+25	33	08.3	18.1	RqEG115H45
K09E00C	C2016	04	08.35837	13	46	50.07	+25	33	05.9	18.3	RqEG115H45
K09E00C	C2016	04	08.35920	13	46	49.80	+25	33	03.4	18.1	RqEG115H45
K09E00C	C2016	04	08.35998	13	46	49.58	+25	33	01.1	18.2	RqEG115H45
K09E00C	C2016	04	08.36111	13	46	49.24	+25	32	57.9	18.1	RqEG115H45
K09E00C	C2016	04	08.36205	13	46	48.89	+25	32	55.1	18.1	RqEG115H45
K14F33K	C2016	04	08.34593	12	59	07.30	-15	10	36.5	18.5	RqEG115H45
K14F33K	C2016	04	08.34674	12	59	06.87	-15	10	38.5	18.5	RqEG115H45
K14F33K	C2016	04	08.34744	12	59	06.54	-15	10	40.8	18.6	RqEG115H45
K14F33K	C2016	04	08.34861	12	59	05.92	-15	10	43.3	18.5	RqEG115H45
K14F33K	C2016	04	08.34928	12	59	05.61	-15	10	44.5	18.6	RqEG115H45
K14F33K	C2016	04	08.34995	12	59	05.23	-15	10	47.1	18.5	RqEG115H45
K14G48Y	C2016	04	08.29960	11	06	31.16	+76	34	37.1	19.7	RqEG115H45
K14G48Y	C2016	04	08.30098	11	06	30.42	+76	34	33.9	19.8	RqEG115H45
K14G48Y	C2016	04	08.30254	11	06	29.50	+76	34	30.7	19.8	RqEG115H45
K14G48Y	C2016	04	08.30445	11	06	28.39	+76	34	26.9	19.9	RqEG115H45
K14G48Y	C2016	04	08.30548	11	06	27.73	+76	34	24.8	19.8	RqEG115H45
K14G48Y	C2016	04	08.30653	11	06	27.18	+76	34	22.6	19.8	RqEG115H45
K15TH8Y	KC2016	04	08.15575611	18	40.65	+07	04	03.2		22.1	VuEG115H21
K15TH8Y	KC2016	04	08.15961011	18	40.82	+07	04	05.0		22.3	VuEG115H21
K15W09H	C2015	12	30.58477	07	12	45.37	+42	24	42.7	18.2	RoEG115300
K15W09H	C2015	12	30.58936	07	12	45.52	+42	24	51.9	18.1	RoEG115300
K15W09H	C2015	12	30.59396	07	12	45.67	+42	25	00.4	18.2	RoEG115300
K15W09H	C2015	12	30.59741	07	12	45.80	+42	25	07.3	18.3	RoEG115300
K15W09H	C2015	12	30.60200	07	12	45.83	+42	25	15.9	18.2	RoEG115300
K15X01K	C2015	12	31.51841	02	51	41.70	-15	38	03.1	19.1	RoEG115300
K15X01K	C2015	12	31.52534	02	51	39.94	-15	38	18.2	19.3	RoEG115300
K15X01K	C2015	12	31.52764	02	51	39.37	-15	38	23.2	19.0	RoEG115300
K15Xb9B	C2016	04	08.29226	11	51	39.02	+32	49	10.1	18.3	RqEG115H45
K15Xb9B	C2016	04	08.29340	11	51	39.26	+32	49	08.4	18.2	RqEG115H45
K15Xb9B	C2016	04	08.29445	11	51	39.48	+32	49	06.6	18.4	RqEG115H45
K15Xb9B	C2016	04	08.29600	11	51	39.84	+32	49	04.2	18.3	RqEG115H45
K15Xb9B	C2016	04	08.29692	11	51	40.03	+32	49	02.9	18.2	RqEG115H45
K15Xb9B	C2016	04	08.29781	11	51	40.24	+32	49	01.4	18.3	RqEG115H45
K15Y01N	KC2016	03	18.12569211	20	28.99	+30	39	50.3		20.2	VuEG115H21
K15Y01N	KC2016	03	18.13296311	20	28.60	+30	39	32.0		20.0	VuEG115H21
K15Y01N	KC2016	03	18.14052811	20	28.20	+30	39	12.3		20.3	VuEG115H21
K15Y07U	C2015	12	31.48418	02	27	27.71	+01	32	12.2	19.8	RoEG115300
K15Y07U	C2015	12	31.49342	02	27	29.65	+01	32	21.8	19.7	RoEG115300
K15Y07U	C2015	12	31.49574	02	27	30.08	+01	32	23.2	19.8	RoEG115300
K16A65G	KC2016	03	18.23491311	53	28.11	+23	58	15.7		22.2	VuEG115H21
K16A65G	KC2016	03	18.25014511	53	27.68	+23	58	08.0		22.3	VuEG115H21
K16A65G	KC2016	03	18.26598711	53	27.26	+23	58	00.0		22.1	VuEG115H21
K16B14X	KC2016	03	18.09797307	14	53.03	+40	19	58.2		20.1	VuEG115H21
K16B14X	KC2016	03	18.10227907	14	52.87	+40	20	02.7		19.9	VuEG115H21
K16B14X	KC2016	03	18.10780607	14	52.65	+40	20	08.6		19.5	VuEG115H21
K16C29S	KC2016	03	18.04683805	39	29.10	+11	03	56.0		19.7	VuEG115H21
K16C29S	KC2016	03	18.05114805	39	29.25	+11	04	03.4		20.1	VuEG115H21
K16C29S	KC2016	03	18.05545905	39	29.41	+11	04	11.2		19.5	VuEG115H21
K16C29S	KC2016	03	18.05976705	39	29.56	+11	04	18.7		20.7	VuEG115H21
K16C29S	KC2016	03	18.06220805	39	29.64	+11	04	23.1		20.1	VuEG115H21
K16C30B	KC2016	03	18.12391910	38	50.04	+14	34	28.5		20.1	VuEG115H21
K16C30B	KC2016	03	18.12719310	38	50.96	+14	34	15.6		19.7	VuEG115H21
K16C30B	KC2016	03	18.12982210	38	51.69	+14	34	05.3		20.1	VuEG115H21
K16C30B	KC2016	03	18.13244510	38	52.42	+14	33	55.1		20.1	VuEG115H21

K16C30B	KC2016	03	18.13506810	38	53.15	+14	33	44.7	20.3	VuEG115H21	
K16C30B	KC2016	03	18.13987810	38	54.49	+14	33	25.9	20.1	VuEG115H21	
K16CD7X	KC2016	03	17.13012108	43	42.75	+56	25	30.0	21.8	VuEG115H21	
K16CD7X	KC2016	03	17.13487008	43	41.23	+56	25	35.8	21.0	VuEG115H21	
K16CD7X	KC2016	03	17.14067408	43	39.35	+56	25	43.0	21.0	VuEG115H21	
K16CJ5Q	KC2016	03	17.19515710	10	29.01	-02	05	16.3	20.6	VuEG115H21	
K16CJ5Q	KC2016	03	17.20163210	10	28.10	-02	05	16.5	20.9	VuEG115H21	
K16CJ5Q	KC2016	03	17.20813110	10	27.19	-02	05	16.6	20.3	VuEG115H21	
K16CJ5Q	KC2016	03	18.10043010	08	23.04	-02	05	20.8	20.5	VuEG115H21	
K16CJ5Q	KC2016	03	18.10567610	08	22.29	-02	05	20.8	20.2	VuEG115H21	
K16CJ5Q	KC2016	03	18.11239410	08	21.35	-02	05	20.9	20.2	VuEG115H21	
K16D21W	KC2016	03	18.17248211	33	08.45	+45	37	11.3	20.8	VuEG115H21	
K16D21W	KC2016	03	18.17830311	33	08.78	+45	37	30.0	21.2	VuEG115H21	
K16D21W	KC2016	03	18.18776911	33	09.29	+45	38	00.3	21.7	VuEG115H21	
K16E01N	KC2016	04	08.06851909	02	57.43	+06	25	39.3	22.7	VuEG115H21	
K16E01N	KC2016	04	08.07825409	02	58.10	+06	25	51.6	22.4	VuEG115H21	
K16E01N	KC2016	04	08.09204509	02	59.06	+06	26	09.3	22.5	VuEG115H21	
K16E28F	KC2016	04	08.14838511	26	42.64	+15	23	12.7	22.1	VuEG115H21	
K16E28F	KC2016	04	08.15122811	26	42.64	+15	23	11.1	21.8	VuEG115H21	
K16E28F	KC2016	04	08.15601011	26	42.64	+15	23	08.4	22.1	VuEG115H21	
K16E85U	6C2016	03	29.18795	10	13	38.83	+11	59	51.9	22.8	RoEG115290
K16E85U	6C2016	03	29.24200	10	13	36.55	+11	59	59.9	22.9	RoEG115290
K16EF6E	C2016	04	08.30828	12	05	52.17	+51	49	19.7	19.7	RqEG115H45
K16EF6E	C2016	04	08.30972	12	05	51.94	+51	49	22.1	19.5	RqEG115H45
K16EF6E	C2016	04	08.31100	12	05	51.75	+51	49	25.1	19.7	RqEG115H45
K16EF6E	C2016	04	08.31207	12	05	51.47	+51	49	26.3	19.5	RqEG115H45
K16EF6E	C2016	04	08.31308	12	05	51.22	+51	49	28.5	19.5	RqEG115H45
K16EF6E	C2016	04	08.31416	12	05	51.05	+51	49	29.4	19.7	RqEG115H45
K16EF6L	KC2016	03	18.29510614	19	25.05	+52	51	15.6	22.3	VuEG115H21	
K16EF6L	KC2016	03	18.30891614	19	23.09	+52	52	30.3	22.1	VuEG115H21	
K16EF6L	KC2016	03	18.32546914	19	20.74	+52	53	58.8	21.9	VuEG115H21	
K16EF7E	C2016	04	08.37800	14	03	17.97	+36	50	34.7	19.9	RqEG115H45
K16EF7E	C2016	04	08.37918	14	03	17.90	+36	50	42.9	19.9	RqEG115H45
K16EF7E	C2016	04	08.38031	14	03	17.86	+36	50	51.0	19.8	RqEG115H45
K16EF7E	C2016	04	08.38137	14	03	17.77	+36	50	57.5	20.0	RqEG115H45
K16EF7E	C2016	04	08.38263	14	03	17.75	+36	51	05.7	20.0	RqEG115H45
K16EF7E	C2016	04	08.38371	14	03	17.70	+36	51	12.6	19.9	RqEG115H45
K16EF8A	"C2016	04	07.32121915	47	46.40	+70	35	35.3	17.8	RtEG115705	
K16EF8A	"C2016	04	07.32323615	47	48.97	+70	35	57.5	18.3	RtEG115705	
K16EF8B	KC2016	03	18.17297110	58	58.58	+23	45	08.7	20.4	VuEG115H21	
K16EF8B	KC2016	03	18.17821810	58	57.69	+23	45	00.0	20.3	VuEG115H21	
K16EF8B	KC2016	03	18.18555110	58	56.49	+23	44	47.5	20.6	VuEG115H21	
K16F01E	KC2016	04	03.40070115	31	31.94	+48	58	53.5	18.8	VuEG115H21	
K16F01E	KC2016	04	03.40284515	31	31.80	+48	58	47.7	18.6	VuEG115H21	
K16F01E	KC2016	04	03.40526415	31	31.66	+48	58	41.1	18.7	VuEG115H21	
K16F01E	KC2016	04	08.27355	15	27	27.01	+44	19	05.6	17.7	RqEG115H36
K16F01E	KC2016	04	08.28419	15	27	26.02	+44	18	20.1	17.6	RqEG115H36
K16F01E	KC2016	04	08.28665	15	27	25.78	+44	18	09.6	17.6	RqEG115H36
K16F01E	C2016	04	08.39432	15	27	15.03	+44	10	22.7	18.2	RqEG115H45
K16F01E	C2016	04	08.39557	15	27	14.92	+44	10	16.7	18.2	RqEG115H45
K16F01E	C2016	04	08.39637	15	27	14.81	+44	10	13.4	18.2	RqEG115H45
K16F01E	C2016	04	08.39733	15	27	14.73	+44	10	08.9	18.1	RqEG115H45
K16F01E	C2016	04	08.39861	15	27	14.58	+44	10	03.4	18.3	RqEG115H45
K16F01E	C2016	04	08.39954	15	27	14.50	+44	09	59.0	18.3	RqEG115H45
K16F02X	KC2016	04	03.21220411	20	03.24	+16	23	38.2	19.1	VuEG115H21	
K16F02X	KC2016	04	03.21436011	20	03.29	+16	23	18.8	19.2	VuEG115H21	
K16F02X	KC2016	04	03.21658911	20	03.35	+16	22	59.2	19.1	VuEG115H21	
K16F02Y	KC2016	04	08.07387808	24	50.73	+47	04	07.5	21.8	VuEG115H21	
K16F02Y	KC2016	04	08.08289808	24	46.36	+47	04	04.5	22.2	VuEG115H21	
K16F02Y	KC2016	04	08.09394308	24	41.07	+47	03	58.0	22.0	VuEG115H21	
K16F03Y	C2016	04	08.37036	14	54	54.42	+22	43	00.9	19.3	RqEG115H45
K16F03Y	C2016	04	08.37150	14	54	54.47	+22	43	00.7	19.2	RqEG115H45
K16F03Y	C2016	04	08.37293	14	54	54.56	+22	43	00.2	19.5	RqEG115H45

K16F03Y	C2016	04	08.37411	14	54	54.65	+22	43	00.1	19.5	RqEG115H45
K16F03Y	C2016	04	08.37555	14	54	54.72	+22	43	00.0	19.3	RqEG115H45
K16F03Y	C2016	04	08.37687	14	54	54.78	+22	42	59.1	19.3	RqEG115H45
K16F06T	KC2016	04	08.07020308	55	04.84	+02	05	45.7		22.1	VuEG115H21
K16F06T	KC2016	04	08.07325108	55	05.26	+02	05	48.7		21.9	VuEG115H21
K16F06T	KC2016	04	08.08219008	55	06.49	+02	05	58.0		22.0	VuEG115H21
K16F12E	KC2016	04	03.17775210	49	06.15	+13	21	37.2		18.8	VuEG115H21
K16F12E	KC2016	04	03.17990710	49	05.79	+13	21	24.9		18.8	VuEG115H21
K16F12E	KC2016	04	03.18242110	49	05.36	+13	21	10.8		18.8	VuEG115H21
K16F12E	KC2016	04	08.16074510	39	59.43	+07	17	42.7		19.4	VuEG115H21
K16F12E	KC2016	04	08.16103310	39	59.41	+07	17	41.7		19.5	VuEG115H21
K16F12E	KC2016	04	08.16340710	39	59.22	+07	17	33.5		19.9	VuEG115H21
K16F12O	2C2016	04	06.32521508	50	28.243	-00	53	31.67		21.4	RtEG115568
K16F12O	2C2016	04	06.32910608	50	29.943	-00	53	36.76		21.5	RtEG115568
K16F12S	"C2016	04	07.30725713	45	25.00	+11	52	20.8		17.2	RtEG115705
K16F12S	"C2016	04	07.30826413	45	25.54	+11	52	31.8		17.0	RtEG115705
K16F12S	"C2016	04	07.30927213	45	26.16	+11	52	43.4		17.3	RtEG115705
K16F13F	"C2016	04	07.31699714	30	40.70	+11	10	21.5		17.3	RtEG115705
K16F13F	"C2016	04	07.31801014	30	41.43	+11	10	24.6		17.1	RtEG115705
K16F13F	"C2016	04	07.31901614	30	41.90	+11	10	26.4		17.4	RtEG115705
K16F13L	"C2016	04	07.27583611	49	17.04	-00	33	23.1		18.1	RtEG115705
K16F13L	"C2016	04	07.27684411	49	17.21	-00	33	16.3		18.2	RtEG115705
K16F13L	"C2016	04	07.27785011	49	17.49	-00	33	04.8		17.9	RtEG115705
K16F13V	2C2016	04	07.44106510	47	53.570	-12	45	26.69		18.3	RtEG115568
K16F13V	2C2016	04	07.44160110	47	53.080	-12	45	25.45		18.4	RtEG115568
K16F13V	2C2016	04	07.44212610	47	52.603	-12	45	24.26		18.4	RtEG115568
K16F13V	KC2016	04	08.14552610	36	52.08	-12	17	31.3		18.6	VuEG115H21
K16F13V	KC2016	04	08.14760710	36	49.29	-12	17	24.7		18.6	VuEG115H21
K16F13V	KC2016	04	08.14976210	36	46.42	-12	17	17.7		18.7	VuEG115H21
K16F13V	KC2016	04	08.15191110	36	43.53	-12	17	10.7		18.7	VuEG115H21
K16F13X	2C2016	04	06.41675811	39	48.696	-03	51	14.14		23.4	RtEG115568
K16F13X	2C2016	04	06.42836111	39	48.130	-03	51	10.18		23.3	RtEG115568
K16F13Z	2C2016	04	06.51436711	54	26.815	+28	45	44.51		22.3	RtEG115568
K16F13Z	2C2016	04	06.52414511	54	25.940	+28	45	45.60		22.3	RtEG115568
K16F14C	2C2016	04	07.40929711	49	42.695	-14	13	19.99		23.5	RtEG115568
K16F14C	2C2016	04	07.42025611	49	43.269	-14	13	00.29		23.7	RtEG115568
K16F14C	2C2016	04	07.43116811	49	43.837	-14	12	40.64		23.4	RtEG115568
K16F15G	KC2016	04	08.07203308	19	19.48	+59	14	37.1		21.1	VuEG115H21
K16F15G	KC2016	04	08.08361408	19	17.36	+59	14	33.2		21.0	VuEG115H21
K16F15G	KC2016	04	08.09752508	19	14.78	+59	14	28.1		21.2	VuEG115H21
K16F39G	"C2016	04	07.26508409	51	49.03	+12	07	30.5		16.7	RtEG115705
K16F39G	"C2016	04	07.26609109	51	47.58	+12	07	47.4		16.9	RtEG115705
K16F39G	"C2016	04	07.26710009	51	45.54	+12	08	08.4		17.4	RtEG115705
K16G00U	C2016	04	08.35109	13	32	31.04	+00	42	12.5	18.2	RqEG115H45
K16G00U	C2016	04	08.35185	13	32	31.48	+00	41	57.1	18.1	RqEG115H45
K16G00U	C2016	04	08.35282	13	32	31.99	+00	41	38.4	18.2	RqEG115H45
K16G00U	C2016	04	08.35335	13	32	32.33	+00	41	26.6	18.1	RqEG115H45
K16G00U	C2016	04	08.35379	13	32	32.55	+00	41	17.8	18.1	RqEG115H45
K16G00U	C2016	04	08.35437	13	32	32.89	+00	41	05.7	18.2	RqEG115H45
K16G00U	C2016	04	08.35501	13	32	33.21	+00	40	53.5	18.1	RqEG115H45
K16G00U	C2016	04	08.35612	13	32	33.86	+00	40	30.9	18.1	RqEG115H45
K16G01G	"C2016	04	07.31039614	01	48.85	+14	56	46.6		17.5	RtEG115705
K16G01G	"C2016	04	07.31140414	01	50.28	+14	56	52.2		17.8	RtEG115705
K16G01G	"C2016	04	07.31241414	01	51.35	+14	56	56.1		18.2	RtEG115705
K16G02F	"C2016	04	07.26873711	28	59.93	+44	15	46.2		18.8	RtEG115705
K16G02F	"C2016	04	07.26974311	29	00.99	+44	17	25.5		19.0	RtEG115705
K16G02F	"C2016	04	07.27075411	29	02.04	+44	19	06.1		18.5	RtEG115705
K16G02M	2C2016	04	06.54935512	46	13.272	+11	32	58.92		19.5	RtEG115568
K16G02M	2C2016	04	06.55042212	46	13.848	+11	32	56.75		19.5	RtEG115568
K16G02M	"C2016	04	07.30390512	54	03.61	+11	05	46.4		18.4	RtEG115705
K16G02M	"C2016	04	07.30492112	54	04.19	+11	05	44.3		18.2	RtEG115705
K16G02M	"C2016	04	07.30592812	54	04.69	+11	05	42.0		18.2	RtEG115705
K16G02N	"C2016	04	07.33522211	46	36.22	+08	50	51.0		18.6	RtEG115705

K16G02N	"C2016	04	07.33622911	46	35.33	+08	50	44.3	18.7	RtEG115705	
K16G02N	"C2016	04	07.33723511	46	34.77	+08	50	37.9	19.0	RtEG115705	
K16G02X	"C2016	04	07.32823715	36	24.95	+11	46	56.2	17.2	RtEG115705	
K16G02X	"C2016	04	07.32924415	36	26.44	+11	47	21.2	17.0	RtEG115705	
K16G02X	"C2016	04	07.33025115	36	27.25	+11	47	34.9	17.1	RtEG115705	
K16G03A	KC2016	04	08.11370709	18	15.51	+07	27	41.8	21.0	VuEG115H21	
K16G03A	KC2016	04	08.12136409	18	10.26	+07	26	51.1	21.0	VuEG115H21	
K16G03A	KC2016	04	08.12650309	18	06.73	+07	26	17.0	21.0	VuEG115H21	
K16G03H	"C2016	04	07.29780912	37	42.02	+04	28	34.9	16.0	RtEG115705	
K16G03H	"C2016	04	07.29881612	37	43.46	+04	28	15.1	16.2	RtEG115705	
K16G03H	"C2016	04	07.29982312	37	45.07	+04	27	54.2	16.2	RtEG115705	
K16GD4C	"C2016	04	07.33153514	44	50.60	-07	09	11.1	18.1	RtEG115705	
K16GD4C	"C2016	04	07.33254314	44	51.70	-07	08	58.8	17.8	RtEG115705	
K16GD4C	"C2016	04	07.33355014	44	52.66	-07	08	48.5	17.8	RtEG115705	
K16GD4C	KC2016	04	08.23402	14	59	45.39	-04	48	42.5	19.8	RqEG115H36
K16GD4C	KC2016	04	08.24561	14	59	56.27	-04	46	47.8	19.4	RqEG115H36
K16GD4C	KC2016	04	08.25486	15	00	04.97	-04	45	17.5	18.9	RqEG115H36
K16GD4C	KC2016	04	08.26418	15	00	13.77	-04	43	45.2	19.0	RqEG115H36
K16GD4G	C2016	03	31.32518	09	27	32.132	-03	57	55.85	20.3	wLEG115F51
K16GD4G	C2016	03	31.33561	09	27	44.815	-03	57	12.81	20.7	wLEG115F51
K16GD4G	_C2016	04	06.37622511	44	16.133	+03	29	26.38	19.6	RtEG115568	
K16GD4G	_C2016	04	06.37726011	44	17.375	+03	29	30.52	19.5	RtEG115568	
K16GD4G	_C2016	04	06.37829511	44	18.607	+03	29	34.57	19.6	RtEG115568	
K16GD4G	_C2016	04	06.37933011	44	19.825	+03	29	38.59	19.5	RtEG115568	
K16GD4N	_C2016	04	07.36360913	49	10.261	-00	34	58.78	21.9	RtEG115568	
K16GD4N	_C2016	04	07.36522413	49	10.092	-00	35	00.75	22.1	RtEG115568	
K16GD4N	_C2016	04	07.36683913	49	09.939	-00	35	02.66	21.9	RtEG115568	
K16GD4P	_C2016	04	06.44394715	02	44.921	-08	58	44.91	20.4	RtEG115568	
K16GD4P	_C2016	04	06.44530215	02	44.906	-08	58	39.04	20.4	RtEG115568	
K16GD4P	_C2016	04	06.44633915	02	44.899	-08	58	34.49	20.3	RtEG115568	
K16GD4S	C2016	04	02.42225	13	56	00.924	-05	25	04.56	18.0	wLEG115F51
K16GD4S	C2016	04	03.44643	14	05	30.854	-09	21	49.57	19.2	wLEG115F51
K16GD4S	KC2016	04	07.90711014	12	46.72	-12	20	24.8	21.6	RqEG115K92	
K16GD4S	KC2016	04	07.91553414	12	46.38	-12	20	32.6	21.3	RqEG115K92	
K16GD4S	KC2016	04	07.92401414	12	46.03	-12	20	39.8	22.1	RqEG115K92	
K16GD4S	KC2016	04	07.96276814	12	44.27	-12	21	13.3	21.7	RqEG115K92	
K16GD4S	KC2016	04	07.97142014	12	43.86	-12	21	20.4	22.2	RqEG115K92	
K16GD4S	KC2016	04	07.98007314	12	43.43	-12	21	27.3	21.7	RqEG115K92	
00433	C2016	04	07.23026	20	59	10.74	-21	37	09.3	15.0	RrEG115Y00
00433	C2016	04	07.24223	20	59	12.18	-21	37	01.6	14.7	RrEG115Y00
00433	C2016	04	07.25629	20	59	13.85	-21	36	53.1	14.2	RrEG115Y00
00433	C2016	04	08.32559	21	01	20.37	-21	25	41.8	15.3	RqEG115Y00
00433	C2016	04	08.33482	21	01	21.44	-21	25	36.1	15.4	RqEG115Y00
00433	C2016	04	08.34408	21	01	22.51	-21	25	30.3	15.0	RqEG115Y00
01620	C2015	12	30.42113	01	42	36.28	+35	38	40.6	16.2	RoEG115300
01620	C2015	12	30.42343	01	42	36.33	+35	38	38.7	16.7	RoEG115300
01620	C2015	12	30.42573	01	42	36.40	+35	38	37.1	16.7	RoEG115300
01620	C2015	12	30.42803	01	42	36.55	+35	38	35.8	16.6	RoEG115300
01620	C2015	12	30.43033	01	42	36.67	+35	38	34.0	16.4	RoEG115300
01620	C2015	12	30.43262	01	42	36.74	+35	38	33.2	16.8	RoEG115300
01620	C2015	12	30.43492	01	42	36.80	+35	38	30.6	16.6	RoEG115300
01685	C2016	04	01.05818408	06	28.05	+02	45	02.0	15.8	VuEG115H21	
01685	C2016	04	01.05992908	06	28.26	+02	45	02.3	15.8	VuEG115H21	
01685	C2016	04	01.06167508	06	28.48	+02	45	02.5	15.7	VuEG115H21	
01685	C2016	04	01.06376808	06	28.74	+02	45	02.8	15.7	VuEG115H21	
01685	KC2016	04	06.85887	08	18	33.70	+02	56	18.8	15.9	RqEG115160
01685	KC2016	04	06.86049	08	18	33.90	+02	56	19.0	15.8	RqEG115160
01685	KC2016	04	06.86209	08	18	34.09	+02	56	19.2	15.8	RqEG115160
01862	C2016	04	07.31909	20	31	45.77	-22	02	11.9	17.7	RqEG115Y00
01862	C2016	04	07.32913	20	31	50.60	-22	02	01.4	17.9	RqEG115Y00
01862	C2016	04	07.33926	20	31	55.46	-22	01	49.9	18.1	RqEG115Y00
01864	C2015	12	29.56485	23	12	27.81	+65	18	48.8	14.6	RoEG115300
01864	C2015	12	29.56611	23	12	28.51	+65	18	49.0	15.2	RoEG115300

01864	C2015	12	29.56736	23	12	29.44	+65	18	50.1	15.2	RoEG115300
01864	C2015	12	29.56862	23	12	30.27	+65	18	50.8	15.2	RoEG115300
01864	C2015	12	30.44229	23	21	50.72	+65	26	37.9	15.1	RoEG115300
01864	C2015	12	30.44458	23	21	51.92	+65	26	39.6	15.3	RoEG115300
01864	C2015	12	30.44688	23	21	53.42	+65	26	40.6	15.1	RoEG115300
01864	C2015	12	30.44918	23	21	55.03	+65	26	41.2	15.0	RoEG115300
01864	C2015	12	30.45148	23	21	56.26	+65	26	42.7	15.1	RoEG115300
01864	C2015	12	30.45377	23	21	57.68	+65	26	43.4	14.8	RoEG115300
01866	C2016	04	08.43305	15	22	58.80	+20	41	21.7	16.2	RqEG115H45
01866	C2016	04	08.43394	15	22	58.74	+20	41	22.0	16.3	RqEG115H45
01866	C2016	04	08.43481	15	22	58.67	+20	41	22.3	16.2	RqEG115H45
01866	C2016	04	08.43570	15	22	58.60	+20	41	22.6	16.2	RqEG115H45
01866	C2016	04	08.43651	15	22	58.54	+20	41	22.9	16.2	RqEG115H45
01866	C2016	04	08.43739	15	22	58.49	+20	41	23.3	16.2	RqEG115H45
01980	C2015	12	04.82196	07	28	36.61	-03	19	09.3	13.8	RoEG115300
01980	C2015	12	04.82447	07	28	36.33	-03	19	14.7	13.8	RoEG115300
01980	C2015	12	04.82572	07	28	36.20	-03	19	18.7	13.9	RoEG115300
01980	C2015	12	04.82698	07	28	36.07	-03	19	21.2	13.9	RoEG115300
01980	C2015	12	04.82949	07	28	35.83	-03	19	26.9	13.9	RoEG115300
01980	KC2016	04	06.80990	06	47	34.03	-05	46	23.4	17.7	RqEG115160
01980	KC2016	04	06.81150	06	47	34.19	-05	46	22.7	17.8	RqEG115160
01980	KC2016	04	06.81309	06	47	34.33	-05	46	22.4	17.9	RqEG115160
02212	C2015	12	31.53692	03	48	58.75	+31	16	37.8	18.9	RoEG115300
02212	C2015	12	31.53991	03	48	58.51	+31	16	36.9	18.9	RoEG115300
02212	C2015	12	31.54290	03	48	58.36	+31	16	36.9	19.3	RoEG115300
02212	C2015	12	31.54590	03	48	58.09	+31	16	36.6	18.7	RoEG115300
03122	C2016	04	07.93219	09	36	19.25	+10	01	33.4	18.6	RqEG115Y00
03122	C2016	04	07.94116	09	36	19.01	+10	01	31.5	18.8	RqEG115Y00
03122	C2016	04	07.95835	09	36	18.68	+10	01	28.5	18.5	RqEG115Y00
05646	C2015	12	30.48816	00	29	27.80	+11	01	19.6	17.7	RoEG115300
05646	C2015	12	30.49115	00	29	28.36	+11	01	23.2	18.1	RoEG115300
05646	C2015	12	30.49414	00	29	28.81	+11	01	26.6	18.3	RoEG115300
05646	C2015	12	30.49713	00	29	29.26	+11	01	30.7	18.0	RoEG115300
05693	C2016	04	08.34042	12	16	02.66	+09	17	59.6	18.7	RqEG115H45
05693	C2016	04	08.34137	12	16	02.50	+09	17	59.8	18.7	RqEG115H45
05693	C2016	04	08.34223	12	16	02.44	+09	18	00.0	18.6	RqEG115H45
05693	C2016	04	08.34319	12	16	02.30	+09	18	01.3	18.8	RqEG115H45
05693	C2016	04	08.34417	12	16	02.17	+09	18	01.8	18.7	RqEG115H45
05693	C2016	04	08.34512	12	16	02.11	+09	18	02.1	18.7	RqEG115H45
07350	C2016	04	04.05413009	25	36.67	+55	31	45.8	16.4	VuEG115H21	
07350	C2016	04	04.05548509	25	37.80	+55	31	40.7	16.5	VuEG115H21	
07350	C2016	04	04.05684109	25	38.95	+55	31	35.6	16.4	VuEG115H21	
07350	C2016	04	04.05819609	25	40.08	+55	31	30.5	16.5	VuEG115H21	
07350	C2016	04	04.05955009	25	41.20	+55	31	25.3	16.4	VuEG115H21	
07350	C2016	04	04.06076809	25	42.26	+55	31	20.4	16.4	VuEG115H21	
07350	C2016	04	08.21900	10	15	15.76	+50	42	26.3		PEG115V78
07350	C2016	04	08.22537	10	15	19.38	+50	41	58.1		PEG115V78
07350	C2016	04	08.23322	10	15	23.83	+50	41	23.6		PEG115V78
08567	C2016	04	05.24093	12	12	29.81	+01	02	15.9	20.2	gNEG115I41
08567	C2016	04	05.27746	12	12	27.61	+01	02	34.3	19.8	gNEG115I41
08567	C2016	04	05.31442	12	12	25.36	+01	02	52.8	19.7	gNEG115I41
08567	C2016	04	06.24158	12	11	30.86	+01	10	34.1	19.8	gNEG115I41
08567	C2016	04	06.27798	12	11	28.65	+01	10	52.4	19.8	gNEG115I41
08567	C2016	04	06.31493	12	11	26.41	+01	11	10.4	20.3	gNEG115I41
09400	KC2016	04	06.89943	10	11	23.49	+29	21	32.0	17.6	RqEG115160
09400	KC2016	04	06.90103	10	11	23.42	+29	21	28.9	17.7	RqEG115160
09400	KC2016	04	06.90261	10	11	23.36	+29	21	25.7	17.8	RqEG115160
16834	KC2016	04	06.79781	05	56	00.63	+05	16	31.2	17.6	RqEG115160
16834	KC2016	04	06.79940	05	56	00.79	+05	16	31.2	17.7	RqEG115160
16834	KC2016	04	06.80103	05	56	00.94	+05	16	31.1	17.6	RqEG115160
20826	C2015	12	30.46488	00	40	02.82	+81	20	33.1	16.4	RoEG115300
20826	C2015	12	30.46718	00	40	01.90	+81	20	30.7	16.5	RoEG115300
20826	C2015	12	30.46948	00	40	01.19	+81	20	27.8	16.7	RoEG115300

20826	C2015	12	30.47178	00	40	01.12	+81	20	25.1	16.7	RoEG115300
20826	C2015	12	30.47407	00	40	00.32	+81	20	22.7	16.6	RoEG115300
20826	C2015	12	30.47637	00	39	59.86	+81	20	20.0	16.8	RoEG115300
20826	C2016	03	29.04354304	48	03.50	+21	15	15	24.5	14.9	VuEG115H21
20826	C2016	03	29.04498104	48	03.74	+21	15	15	14.4	14.8	VuEG115H21
20826	C2016	03	29.04641904	48	03.98	+21	15	15	04.6	14.8	VuEG115H21
20826	C2016	03	29.04785704	48	04.22	+21	14	14	54.5	14.9	VuEG115H21
20826	C2016	03	29.04929404	48	04.46	+21	14	14	44.6	14.8	VuEG115H21
20826	C2016	03	29.05072804	48	04.70	+21	14	14	34.6	14.8	VuEG115H21
20826	C2016	04	08.05071005	12	29.50	+00	51	51	03.6	14.7	VuEG115H21
20826	C2016	04	08.05215005	12	29.67	+00	50	50	52.7	14.7	VuEG115H21
20826	C2016	04	08.05358805	12	29.84	+00	50	50	42.0	14.6	VuEG115H21
20826	C2016	04	08.05646805	12	30.16	+00	50	50	20.4	15.0	VuEG115H21
23187	C2016	04	08.05391108	24	28.52	+56	41	41	38.3	17.0	VuEG115H21
23187	C2016	04	08.05527308	24	29.09	+56	41	41	40.1	16.9	VuEG115H21
23187	C2016	04	08.05663408	24	29.72	+56	41	41	41.6	16.2	VuEG115H21
23187	C2016	04	08.05799608	24	30.31	+56	41	41	43.4	16.9	VuEG115H21
23187	C2016	04	08.05935708	24	30.89	+56	41	41	44.9	17.0	VuEG115H21
23187	C2016	04	08.06071808	24	31.48	+56	41	41	46.8	17.0	VuEG115H21
23187	C2016	04	08.06194308	24	32.04	+56	41	41	48.3	16.9	VuEG115H21
31221	KC2016	04	06.85176	07	57	41.87	+06	07	52.4	18.4	RqEG115160
31221	KC2016	04	06.85381	07	57	42.11	+06	07	48.2	18.4	RqEG115160
31221	KC2016	04	06.85586	07	57	42.34	+06	07	44.3	18.1	RqEG115160
33342	C2015	12	04.63904	07	14	11.90	-04	16	07.6	12.4	RoEG115300
33342	C2015	12	04.64030	07	14	10.59	-04	16	05.0	12.2	RoEG115300
33342	C2015	12	04.64156	07	14	09.32	-04	16	03.5	12.1	RoEG115300
33342	C2015	12	04.64532	07	14	05.61	-04	15	56.7	12.4	RoEG115300
33342	C2015	12	04.64658	07	14	04.32	-04	15	54.4	12.4	RoEG115300
33342	C2015	12	04.64783	07	14	03.04	-04	15	52.3	12.4	RoEG115300
36183	C2016	04	07.78419	15	33	28.73	+11	43	13.0	18.9	RqEG115D29
36183	C2016	04	07.80183	15	33	27.14	+11	43	13.3	18.6	RqEG115D29
36183	C2016	04	07.81947	15	33	25.51	+11	43	13.1	18.6	RqEG115D29
38086	C2016	04	07.83217	17	26	04.45	+18	50	12.4	18.9	RqEG115D29
38086	C2016	04	07.84893	17	26	06.87	+18	50	57.1	18.7	RqEG115D29
38086	C2016	04	07.86568	17	26	09.30	+18	51	42.0	18.4	RqEG115D29
53110	C2015	12	04.68496	07	45	14.01	+22	43	34.9	17.6	RoEG115300
53110	C2015	12	04.68816	07	45	13.95	+22	43	48.1	17.3	RoEG115300
53110	C2015	12	04.69137	07	45	13.96	+22	44	01.2	16.9	RoEG115300
53110	C2015	12	04.69297	07	45	14.05	+22	44	07.2	17.3	RoEG115300
53110	C2015	12	04.69617	07	45	13.96	+22	44	21.7	18.3	RoEG115300
53110	C2015	12	29.70976	07	16	28.66	+59	39	51.5	16.6	RoEG115300
53110	C2015	12	29.71456	07	16	27.55	+59	40	16.4	16.1	RoEG115300
53110	C2015	12	29.71616	07	16	27.34	+59	40	25.1	16.3	RoEG115300
53110	C2015	12	29.71777	07	16	26.98	+59	40	33.1	16.1	RoEG115300
53110	C2015	12	29.72418	07	16	25.54	+59	41	06.6	16.4	RoEG115300
53110	C2015	12	29.72578	07	16	25.16	+59	41	14.9	15.7	RoEG115300
53110	C2015	12	30.54414	07	13	38.30	+60	52	21.4	15.8	RoEG115300
53110	C2015	12	30.54643	07	13	37.80	+60	52	32.6	15.8	RoEG115300
53110	C2015	12	30.54873	07	13	37.19	+60	52	45.9	16.0	RoEG115300
53110	C2015	12	30.55103	07	13	36.72	+60	52	57.4	15.9	RoEG115300
53110	C2015	12	30.55333	07	13	36.14	+60	53	09.5	15.9	RoEG115300
53110	C2015	12	30.55563	07	13	35.81	+60	53	21.6	16.0	RoEG115300
53110	C2015	12	30.55793	07	13	35.11	+60	53	33.9	15.8	RoEG115300
53110	C2015	12	30.56022	07	13	34.64	+60	53	45.0	15.9	RoEG115300
53789	C2016	04	08.04196	12	22	53.21	+03	48	31.2	17.7	qEG115J43
53789	C2016	04	08.05440	12	22	52.13	+03	49	08.9	17.9	qEG115J43
53789	C2016	04	08.06679	12	22	51.00	+03	49	48.1	17.8	qEG115J43
53789	C2016	04	08.07920	12	22	49.90	+03	50	26.7	17.8	qEG115J43
53789	C2016	04	08.33516	12	22	28.31	+04	03	36.9	18.1	RqEG115H45
53789	C2016	04	08.33600	12	22	28.28	+04	03	39.0	18.2	RqEG115H45
53789	C2016	04	08.33687	12	22	28.19	+04	03	41.5	18.0	RqEG115H45
53789	C2016	04	08.33774	12	22	28.11	+04	03	44.5	18.0	RqEG115H45
53789	C2016	04	08.33864	12	22	28.03	+04	03	47.2	18.0	RqEG115H45

53789	C2016	04	08.33962	12	22	27.95	+04	03	50.1	18.2	RqEG115H45
68216	KC2016	04	06.90550	10	18	45.19	+26	22	41.8	17.0	RqEG115I160
68216	KC2016	04	06.90706	10	18	45.20	+26	22	37.8	17.0	RqEG115I160
68216	KC2016	04	06.90863	10	18	45.16	+26	22	33.8	16.9	RqEG115I160
85628	C2016	04	08.42157	15	55	33.05	+01	14	36.3	17.6	RqEG115H45
85628	C2016	04	08.42283	15	55	32.95	+01	14	35.6	17.8	RqEG115H45
85628	C2016	04	08.42351	15	55	32.84	+01	14	35.5	17.9	RqEG115H45
85628	C2016	04	08.42440	15	55	32.78	+01	14	35.2	17.6	RqEG115H45
85628	C2016	04	08.42524	15	55	32.72	+01	14	34.9	17.9	RqEG115H45
85628	C2016	04	08.42613	15	55	32.60	+01	14	34.3	17.7	RqEG115H45
85953	KC2016	04	06.87125	08	53	08.19	+16	12	55.4	18.2	RqEG115I160
85953	KC2016	04	06.87330	08	53	08.00	+16	12	58.4	18.1	RqEG115I160
85953	KC2016	04	06.87535	08	53	07.80	+16	13	01.3	18.3	RqEG115I160
D6618	C2016	04	05.24093	12	12	07.01	+01	38	06.9	19.7	gNEG115I41
D6618	C2016	04	05.27746	12	12	03.71	+01	38	26.9	19.8	gNEG115I41
D6618	C2016	04	05.31442	12	12	00.42	+01	38	47.3	20.1	gNEG115I41
D6618	C2016	04	06.24158	12	10	40.50	+01	47	12.2	19.5	gNEG115I41
D6618	C2016	04	06.27798	12	10	37.26	+01	47	31.8	19.4	gNEG115I41
D6618	C2016	04	06.31493	12	10	34.00	+01	47	51.6	19.3	gNEG115I41
D8325	C2016	04	08.43810	16	11	18.45	+22	02	49.1	17.5	RqEG115H45
D8325	C2016	04	08.43898	16	11	18.54	+22	02	52.9	17.5	RqEG115H45
D8325	C2016	04	08.43989	16	11	18.62	+22	02	56.7	17.7	RqEG115H45
D8325	C2016	04	08.44071	16	11	18.68	+22	03	00.1	17.5	RqEG115H45
D8325	C2016	04	08.44151	16	11	18.79	+22	03	03.0	17.7	RqEG115H45
D8325	C2016	04	08.44240	16	11	18.89	+22	03	07.6	17.6	RqEG115H45
F4555	C2016	04	08.42720	15	32	35.45	+48	17	08.3	17.6	RqEG115H45
F4555	C2016	04	08.42812	15	32	35.31	+48	17	10.3	17.4	RqEG115H45
F4555	C2016	04	08.42896	15	32	35.16	+48	17	12.0	17.6	RqEG115H45
F4555	C2016	04	08.43012	15	32	34.95	+48	17	14.2	17.6	RqEG115H45
F4555	C2016	04	08.43094	15	32	34.80	+48	17	15.7	17.5	RqEG115H45
F4555	C2016	04	08.43181	15	32	34.66	+48	17	17.3	17.7	RqEG115H45
G3243	KC2016	04	06.84549	07	26	59.22	-02	20	46.4	17.9	RqEG115I160
G3243	KC2016	04	06.84711	07	26	59.48	-02	20	43.4	17.5	RqEG115I160
G3243	KC2016	04	06.84874	07	26	59.70	-02	20	39.6	17.8	RqEG115I160
G3696	C2015	12	04.47413	00	27	15.05	-01	49	26.4	13.1	RoEG115300
G3696	C2015	12	04.47872	00	27	16.67	-01	48	09.0	13.4	RoEG115300
G3696	C2015	12	04.48102	00	27	17.45	-01	47	31.6	13.5	RoEG115300
G3696	C2015	12	04.48331	00	27	18.27	-01	46	53.0	13.5	RoEG115300
G3696	C2015	12	04.48561	00	27	19.05	-01	46	15.4	13.2	RoEG115300
G3696	C2015	12	04.48790	00	27	19.85	-01	45	37.3	13.5	RoEG115300
G3696	C2015	12	30.51561	01	54	04.91	+41	05	05.9	16.5	RoEG115300
G3696	C2015	12	30.51860	01	54	05.31	+41	05	10.2	16.2	RoEG115300
G3696	C2015	12	30.52160	01	54	05.77	+41	05	15.0	16.0	RoEG115300
G3696	C2015	12	30.52459	01	54	06.08	+41	05	19.8	16.2	RoEG115300
G3696	C2015	12	30.52758	01	54	06.50	+41	05	24.2	16.2	RoEG115300
G3696	C2015	12	30.53057	01	54	06.90	+41	05	29.4	16.4	RoEG115300
G3696	C2015	12	30.53656	01	54	07.64	+41	05	38.8	17.4	RoEG115300
I5851	KC2016	04	06.89224	09	46	06.57	+11	48	39.7	18.7	RqEG115I160
I5851	KC2016	04	06.89430	09	46	06.33	+11	48	39.6	18.8	RqEG115I160
I5851	KC2016	04	06.89636	09	46	06.05	+11	48	39.1	18.3	RqEG115I160
I5851	C2016	04	07.56945	09	44	50.37	+11	43	29.9	18.6	RqEG115D29
I5851	C2016	04	07.58708	09	44	48.30	+11	43	22.0	18.0	RqEG115D29
I5851	C2016	04	07.60472	09	44	46.23	+11	43	12.2	18.1	RqEG115D29
J0161	C2015	12	30.65009	05	34	16.48	+28	03	30.1	18.5	RoEG115300
J0161	C2015	12	30.65192	05	34	16.36	+28	03	28.7	18.6	RoEG115300
J0161	C2015	12	30.65352	05	34	16.25	+28	03	29.5	18.4	RoEG115300
T4739	C2015	12	31.74251	08	24	00.12	+00	35	39.6	11.1	RoEG115300
T4739	C2015	12	31.74355	08	23	58.78	+00	35	12.4	11.2	RoEG115300
T4739	C2015	12	31.74446	08	23	57.64	+00	34	48.3	11.3	RoEG115300
T4739	C2015	12	31.74536	08	23	56.46	+00	34	24.7	11.2	RoEG115300
T4739	C2015	12	31.74627	08	23	55.30	+00	34	00.7	11.2	RoEG115300
T4739	C2015	12	31.74718	08	23	54.11	+00	33	37.1	11.2	RoEG115300
T4739	C2015	12	31.74809	08	23	52.99	+00	33	13.2	11.2	RoEG115300

T4739	C2015	12	31.74900	08	23	51.78	+00	32	49.3	11.2	RoEG115300
T4739	C2015	12	31.74991	08	23	50.57	+00	32	25.5	11.1	RoEG115300
T4739	C2015	12	31.75082	08	23	49.45	+00	32	00.8	11.1	RoEG115300
T4739	C2015	12	31.75173	08	23	48.24	+00	31	37.0	11.1	RoEG115300
T4739	C2015	12	31.75264	08	23	47.06	+00	31	13.8	11.1	RoEG115300
X4412	C2016	04	07.65960	12	29	07.98	+10	28	23.8	18.3	RqEG115D29
X4412	C2016	04	07.67723	12	29	06.85	+10	29	06.8	19.0	RqEG115D29
X4412	C2016	04	07.69487	12	29	05.71	+10	29	49.0	18.8	RqEG115D29
a3599	C2016	04	06.98463	15	30	36.20	+21	29	43.7	16.9	RtEG115586
a3599	C2016	04	07.00025	15	30	50.49	+21	34	05.8	17.1	RtEG115586
a3599	C2016	04	07.02094	15	31	09.52	+21	39	54.8	17.0	RtEG115586
a3599	C2016	04	07.04215	15	31	29.06	+21	45	53.3	17.4	RtEG115586
a3599	C2016	04	07.06282	15	31	48.24	+21	51	44.1	17.3	RtEG115586
a3599	C2016	04	07.08654	15	32	10.35	+21	58	28.5	17.5	RtEG115586
a3599	C2016	04	07.10749	15	32	30.05	+22	04	27.1	17.1	RtEG115586
a3599	C2016	04	08.40061	15	59	22.61	+29	21	27.5	17.3	RqEG115H45
a3599	C2016	04	08.40146	15	59	23.84	+29	21	47.2	17.4	RqEG115H45
a3599	C2016	04	08.40205	15	59	24.78	+29	22	01.7	17.1	RqEG115H45
a3599	C2016	04	08.40252	15	59	25.52	+29	22	12.7	17.3	RqEG115H45
a3599	C2016	04	08.40299	15	59	26.23	+29	22	23.5	17.4	RqEG115H45
a3599	C2016	04	08.40350	15	59	27.00	+29	22	35.3	17.4	RqEG115H45
a3599	C2016	04	08.40397	15	59	27.72	+29	22	46.7	17.3	RqEG115H45
a3599	C2016	04	08.40461	15	59	28.72	+29	23	01.3	17.1	RqEG115H45
a3599	C2016	04	08.40517	15	59	29.55	+29	23	14.4	17.3	RqEG115H45
a3599	C2016	04	08.40586	15	59	30.60	+29	23	31.3	17.4	RqEG115H45
f1201	KC2016	04	06.91501	10	34	42.65	+15	31	09.8	18.0	RqEG115160
f1201	KC2016	04	06.91658	10	34	42.85	+15	31	11.4	18.0	RqEG115160
f1201	KC2016	04	06.91815	10	34	43.05	+15	31	12.6	18.1	RqEG115160
j0160	C2016	03	29.04980608	03	04	04.79	+29	58	58.4	16.8	VuEG115H21
j0160	C2016	03	29.05155108	03	05	05.16	+29	58	39.5	16.8	VuEG115H21
j0160	C2016	03	29.05329508	03	05	05.51	+29	58	20.5	16.8	VuEG115H21
j0160	C2016	03	29.05504108	03	05	05.88	+29	58	01.5	16.7	VuEG115H21
j0160	C2016	03	29.05661008	03	06	06.21	+29	57	44.5	16.7	VuEG115H21
j0160	KC2016	04	06.86500	08	25	20.70	+10	13	14.3	17.5	RqEG115160
j0160	KC2016	04	06.86659	08	25	20.89	+10	13	04.9	17.2	RqEG115160
j0160	KC2016	04	06.86817	08	25	21.06	+10	12	56.2	17.0	RqEG115160