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MPEC W105: Daily Orbit Update (2016 Nov. 28 UT)mpec@si.edu <mpec@si.edu>
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DAILY ORBIT UPDATE (2016 NOV. 28 UT)

Update to MPEC 2016-W98

Full-precision elements for the objects listed here are available at

<http://www.minorplanetcenter.net/iau/MPCORB.html>

New identification:

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K16U75K	K09U14N		MPCW		
K16U75L	K05UX4S		MPCW		
K16U75N	K07EF7N		MPCW		
K16U75P	K15M22O		MPCW		
K16U75Q	K12X38G		MPCW		
K16U75V	K11S50P		MPCW		
K16U76O	K13E71A	K15MC2Z	MPCW		
K16U76R	K05C34S	K14A35L	K15Fa2P	MPCW	
K16U77M	K11F93T		MPCW		
K16U77U	K02VD8U	K06Q73X		MPCW	
K16U77V	K08UE9U		MPCW		
K16U77Y	K14D85U		MPCW		
K16U77Z	K02S12T	K09W35M		MPCW	
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K16U78G	K08W03Q		MPCW		
K16U78J	K13Y90S		MPCW		
K16U78L	K12V96J		MPCW		
K16U78Q	K00J80P	K08O13W	K12S38M	MPCW	
K16U78V	K12X35E		MPCW		
K16U79X	K10M65X		MPCW		
K16U80D	K04TT0U	K10UA1B		MPCW	
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K16U80L	K15TI0Y		MPCW		
K16U80Y	K11W33Z		MPCW		
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K16U81E	K06SK3K		MPCW		
K16U81H	K05V95G		MPCW		
K16U81K	K13EE2J		MPCW		
K16U81M	K01S89Y		MPCW		
K16U81N	K01W24P	K10A35P		MPCW	
K16U81O	K10KC0X	K14K48F		MPCW	
K16U81Q	K05UM4K		MPCW		
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K16U82D	K06QH8T	K09C32T		MPCW	
K16U82E	K01FK1Z	K07R86F		MPCW	
K16U82K	K15M78O		MPCW		
K16U82O	K05G40E		MPCW		
K16U82Q	K01UN0Y	K06UN6N	K08ED3Q	K14L06H	MPCW
K16U82U	J94S06K	K05SG3A		MPCW	
K16U82X	K11SF2N		MPCW		
K16U83W	K04C45V	K14H26R		MPCW	
K16U84B	K08Y31T		MPCW		
K16U84D	K05T35R		MPCW		
K16U84J	K05J11B		MPCW		
K16U84O	K09U29B		MPCW		
K16U85E	K07U58W		MPCW		
K16U85O	K04BE1O	K11S78O		MPCW	
K16U85P	K10TC8K		MPCW		

K16U85R	K05QF2P		MPCW		
K16U85W	K10N86B		MPCW		
K16U86H	K09U79A		MPCW		
K16U86L	K10J79U		MPCW		
K16U86M	K07RH1J		MPCW		
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K16U86Q	K07E23H	K09WG9V	MPCW		
K16U86Z	K05TD5M		MPCW		
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K16U87O	K08UT8E		MPCW		
K16U87R	K05WC8C		MPCW		
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K16U88F	K09U81M		MPCW		
K16U88L	K06SY9T	K10L63C	MPCW		
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K16U89N	K05SO3E	K10RD4C	MPCW		
K16U89S	K14H12H		MPCW		
K16U89V	K06V47A	K15P83K	MPCW		
K16U89X	J99TV7F		MPCW		
K16U90D	K03K22H		MPCW		
K16U90K	J95U77U		MPCW		
K16U90L	K14K07B		MPCW		
K16U90Q	K05T08X		MPCW		
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K16U90V	J94S11K		MPCW		
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K16U90Y	J96T44W	K06C40W	K12T12C	MPCW	
K16U91D	K15PD3C		MPCW		
K16U91K	K05GJ0Q		MPCW		
K16U91S	K06K92S	K10GE0T	K15M84J	MPCW	
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K16U93L	K14G11R		MPCW		
K16U93P	K10G26L	K14HG7B	MPCW		
K16U93R	K08U42P		MPCW		
K16U93S	K03UP7Y		MPCW		
K16U93Y	K06SP6J		MPCW		
K16U94M	K01TO8W		MPCW		
K16U94U	K10K78R		MPCW		
K16U94X	K11K35F	K14B45N	MPCW		
K16U95F	K13B05H		MPCW		
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K16U96C	K15L16J		MPCW		
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K16U97J	K12XD6W		MPCW		
K16U97M	K12VA8L		MPCW		
K16U97Q	K07J13O	K12TM9D	MPCW		
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K16UB6O	K05UM7O			MPCW
K16UB7E	K07TI0P			MPCW
K16UB7L	K06UN9Y			MPCW
K16UB7M	K14F27F			MPCW
K16UB7Y	K05YE1C	K10C99V		MPCW
K16UB8K	K02TU1W	K14DD3J		MPCW
K16UB8L	K06VC8H	K11UV0Z		MPCW
K16UB8W	K10L42C			MPCW
K16UB9A	K11UY1V			MPCW
K16UB9F	K06UF7N	K11UL7F		MPCW
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K16UC2T	K10LA2E	K15MB5V		MPCW
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K16UC3Z K14A41Y	MPCW
K16UC4C K11F16J	MPCW
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K16UE2T K08UV1E	MPCW
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K16UE4P K15HG6X	MPCW
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K16V12W K05SR1F	MPCW
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K16V13S K09W64G	MPCW
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K16V14N K08H42R	MPCW
K16V14U K11Q89M	MPCW
K16V14W K08Y75D	MPCW
K16V14Z K07A24M	MPCW
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K16V15B K09K26N	MPCW
K16V15D J99R04W K15M04K	MPCW
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K16V15G K09C14G	MPCW
K16V15J K12B35T	MPCW
K16V15R K10O05P	MPCW
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K16W04B K14M30S K15O61G	MPCW
K16W04D K12X98W	MPCW
K16W04E K11U84V	MPCW
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K16W04R K10FB3O K12UF7F	MPCW
K16W04W K14H68N	MPCW
K16W04Y K11WD9N	MPCW
K16W05L K05VA0H	MPCW
K16W05N K05T88J	MPCW
K16W05Q J99TQ6N K11L27M	MPCW
K16W05V K11SP2E	MPCW
K16W05Y K15P01R	MPCW
K16W06P K06WE8R	MPCW
K16W06Q K03U33O	MPCW
K16W06W K08G82S K15O57T	MPCW

New double designation:

K03SZ0C K03T59R	MPCW
K07RB9Z K07TS2R	MPCW
K08T68O K08U89W	MPCW
K08Y54O K09BJ1X	MPCW
K09Sa9S K09WL4D	MPCW
K10B03O K10CE2S	MPCW
K10NA6D K10TD7L	MPCW
K11G69L K11H21B	MPCW
K11Q72N K11S13V	MPCW
K11SD5Y K11V11F	MPCW
K12UC3U K12VA0P	MPCW
K12V57U K12X53P	MPCW
K13Y90S K14B19T	MPCW

K16T13C K16T93R
K16UB7M K16T94Q

MPCW
MPCW

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
K00SO5D	17.6	0.15	K172G	38.252	340.471	31.526	7.068	0.20451	2.16933	7	X
K03O15Q	16.7	0.15	K172G	69.944	1.039	299.608	19.358	0.28389	2.63552	3	X
K03R13Q	16.6	0.15	K172G	41.441	117.846	220.720	11.808	0.28617	2.66579	5	X
K03UF2L	18.0	0.15	K172G	35.913	334.248	8.248	5.168	0.38513	2.67649	3	X
K03W07G	17.6	0.15	K172G	69.702	306.587	45.640	22.486	0.08938	1.90428	4	X
K03W21U	21.9	0.15	K172G	17.149	140.667	57.547	28.595	0.54503	0.90914	2	X
K03Y26L	16.8	0.15	K172G	30.922	165.796	286.331	11.887	0.24437	2.64788	4	X
K04F86Y	18.0	0.15	K172G	263.108	216.767	11.503	20.129	0.05092	1.91648	4	X
K04XA5F	15.3	0.15	K172G	95.455	127.132	269.519	21.597	0.10310	3.15389	6	X
K04XC5N	15.7	0.15	K172G	80.365	19.626	341.568	15.715	0.22209	2.52579	6	X
K05Q11R	16.4	0.15	K172G	10.809	211.939	183.686	9.355	0.23335	3.14165	4	X
K05R00K	16.4	0.15	K172G	13.929	184.456	190.562	25.995	0.35937	3.12621	4	X
K05T00F	20.2	0.15	K172G	27.709	43.447	26.458	3.626	0.45506	1.96405	2	X
K05U06R	18.4	0.15	K172G	27.793	317.894	68.966	7.655	0.33152	2.38258	3	X
K05UL4V	18.1	0.15	K172G	19.344	48.965	41.255	20.589	0.35135	2.34982	2	W
K06P19M	17.1	0.15	K172G	73.050	136.080	212.609	1.025	0.23552	2.79917	6	X
K06U00M	18.5	0.15	K172G	9.762	55.339	57.023	15.897	0.53974	2.23338	3	X
K06V45J	16.8	0.15	K172G	35.497	225.841	152.868	6.178	0.27616	2.93454	5	X
K06V95O	19.2	0.15	K172G	108.796	314.913	52.429	23.132	0.14047	1.81572	3	X
K07E11N	17.9	0.15	K172G	41.515	93.138	338.124	22.191	0.16303	2.26233	3	X
K07T02K	18.7	0.15	K172G	73.875	27.616	23.713	17.176	0.08183	1.69021	4	X
K07TE9X	16.8	0.15	K172G	27.535	173.364	203.999	13.855	0.21472	2.70723	5	X
K07TG5T	17.4	0.15	K172G	351.954	103.670	32.418	20.775	0.03826	2.02141	5	X
K07TS7F	17.2	0.15	K172G	36.429	305.729	51.586	9.227	0.32636	2.71714	3	X
K07UD1B	17.2	0.15	K172G	24.604	318.716	64.270	10.742	0.21207	2.77004	4	X
K08K38X	16.7	0.15	K172G	65.684	135.106	234.835	23.982	0.23081	2.31198	4	X
K08U28J	17.9	0.15	K172G	56.217	277.600	49.086	5.537	0.30775	2.55111	3	X
K08U45V	17.4	0.15	K172G	225.702	242.646	31.315	22.608	0.22725	2.30571	3	X
K08W98H	16.0	0.15	K172G	1.483	113.590	305.224	29.188	0.35147	2.61574	4	X
K09F43M	17.7	0.15	K172G	343.252	135.592	32.192	25.147	0.32081	2.55869	4	X
K09J16Q	17.2	0.15	K172G	101.181	87.463	213.447	5.049	0.08277	2.16274	9	X
K09Q07C	17.5	0.15	K172G	32.640	67.726	301.780	21.601	0.33772	2.31750	2	X
K09S21A	15.9	0.15	K172G	137.307	335.811	352.645	27.282	0.15809	3.17461	4	X
K09SX2P	17.5	0.15	K172G	25.652	175.135	205.931	7.799	0.22435	2.33768	6	X
K09V00Y	18.6	0.15	K172G	38.434	37.487	53.190	28.416	0.04826	1.72270	4	X
K10EA9A	17.4	0.15	K172G	301.466	183.730	19.085	24.994	0.14705	2.40307	3	X
K10K00G	15.8	0.15	K172G	70.586	34.944	280.687	27.544	0.09657	2.65478	3	W
K10N77Q	16.2	0.15	K172G	26.079	40.033	31.398	29.102	0.38893	3.15332	4	X
K10P66M	17.4	0.15	K172G	323.345	198.270	305.424	17.467	0.04721	1.94525	7	X
K10RA9R	17.8	0.15	K172G	157.981	321.472	7.772	20.739	0.07660	1.95242	6	X
K10T38Y	17.5	0.15	K172G	252.110	214.095	28.059	21.225	0.03572	1.96235	4	X
K10VJ9Q	16.4	0.15	K172G	19.078	43.278	58.297	28.287	0.29209	3.12996	4	X
K11Q96P	18.7	0.15	K172G	17.140	317.305	130.579	6.832	0.62434	2.85240	2	X
K11S11N	17.0	0.15	K172G	41.520	58.282	355.811	24.947	0.28624	2.74135	5	X
K11UJ2X	18.5	0.15	K172G	98.947	8.562	224.721	55.639	0.79525	1.48915	2	X
K11W70B	17.2	0.15	K172G	359.037	20.405	47.672	6.983	0.34228	3.01516	3	X
K11Y10R	16.5	0.15	K172G	29.948	212.033	155.896	10.458	0.40784	3.01071	3	X
K12E09Y	17.7	0.15	K172G	240.715	225.855	30.973	22.731	0.07678	1.90334	4	X
K12F30O	17.9	0.15	K172G	187.906	281.801	22.168	20.466	0.06120	1.93329	4	X
K12G06A	18.0	0.15	K172G	9.741	102.444	15.411	21.100	0.07716	1.91004	4	X
K12R04E	17.3	0.15	K172G	79.578	25.913	350.652	24.690	0.26539	2.34369	4	X
K12TL5S	16.9	0.15	K172G	36.997	198.746	162.294	3.887	0.23672	2.62017	6	X
K12U34A	19.7	0.15	K172G	219.108	222.344	19.049	19.808	0.80159	0.78600	3	X

K12U88H	16.3	0.15	K172G	21.279	330.010	50.291	7.042	0.04910	2.67664	7	X
K12V09F	16.5	0.15	K172G	54.052	162.327	189.425	13.808	0.09935	2.57852	9	X
K12X42A	17.7	0.15	K172G	17.854	333.425	67.935	0.903	0.09165	2.65490	5	W
K13C38T	16.6	0.15	K172G	41.312	97.716	315.655	29.091	0.29844	2.59928	4	X
K13CD4B	16.5	0.15	K172G	32.644	75.595	1.084	25.523	0.21995	2.67042	5	X
K13R29C	19.2	0.15	K172G	78.221	34.928	4.583	21.107	0.09586	1.91237	3	X
K13T79Z	13.3	0.15	K172G	131.401	336.185	5.786	26.795	0.07206	5.27655	4	X
K13TD5T	21.9	0.15	K172G	40.804	327.222	341.471	6.484	0.60094	2.14501	2	X
K13V00S	17.2	0.15	K172G	39.393	320.719	48.753	5.861	0.21790	2.15905	9	X
K13Y38B	17.8	0.15	K172G	292.123	306.362	248.795	22.989	0.49749	2.23071	4	X
K14B19C	17.8	0.15	K172G	43.285	239.264	154.812	3.035	0.18135	2.25059	8	X
K14H01A	16.2	0.15	K172G	190.509	238.753	57.083	30.989	0.31146	2.61138	6	X
K14H16Q	17.3	0.15	K172G	347.215	61.395	25.811	3.275	0.07264	2.67304	3	W
K15P09B	16.8	0.15	K172G	75.299	35.677	349.695	28.966	0.21143	2.78706	3	X
K15R29W	15.6	0.15	K172G	61.214	40.043	7.207	26.580	0.16035	3.15782	3	X
K15VB4E	16.4	0.15	K172G	109.884	327.254	30.899	28.584	0.19015	3.17960	3	X
K15XQ1F	25.0	0.15	K172G	165.418	100.825	210.017	0.793	0.31939	0.99084	2	W
K16L08M	18.9	0.15	K172G	41.023	263.285	107.905	12.939	0.64676	2.16176	2	X
K16N16L	19.0	0.15	K172G	68.681	77.816	279.312	15.347	0.19103	1.72841	2	X
K16P66W	18.9	0.15	K172G	42.254	317.788	54.142	1.311	0.28090	2.15548	2	X
K16P76E	17.8	0.15	K172G	71.698	321.533	10.861	6.828	0.13838	2.42191	2	X
K16Q09B	17.0	0.15	K172G	9.316	97.266	284.803	8.049	0.19998	2.55253	3	X
K16Q75A	16.8	0.15	K172G	36.688	158.728	217.569	6.815	0.24280	3.01299	2	X
K16Q76Q	18.1	0.15	K172G	40.085	145.674	207.412	3.694	0.25459	2.27271	6	X
K16Q77O	16.8	0.15	K172G	33.220	50.946	307.928	15.308	0.22323	2.60751	4	X
K16R06E	15.8	0.15	K172G	35.351	55.706	321.707	20.788	0.11266	3.07041	2	X
K16R24X	16.5	0.15	K172G	13.391	75.413	318.428	13.887	0.28060	3.06405	4	X
K16R29L	16.8	0.15	K172G	52.028	313.336	23.817	13.560	0.21259	3.10418	2	X
K16S02X	18.9	0.15	K172G	23.278	171.486	217.773	19.774	0.41968	2.66481	2	X
K16S11N	16.0	0.15	K172G	5.657	224.119	175.588	16.247	0.21229	3.14439	2	X
K16S20V	18.5	0.15	K172G	55.050	231.323	123.800	5.182	0.21479	2.20047	2	X
K16S21B	16.9	0.15	K172G	35.691	292.709	78.100	5.167	0.24021	2.63301	5	X
K16S21T	18.2	0.15	K172G	89.541	233.843	73.260	7.599	0.25341	2.30561	2	X
K16S24G	18.8	0.15	K172G	21.887	28.815	6.027	2.388	0.21424	2.39578	2	X
K16S32B	16.3	0.15	K172G	5.955	285.874	121.896	5.888	0.07100	2.80989	8	X
K16S32R	18.0	0.15	K172G	69.671	218.413	108.742	5.962	0.17770	2.60724	2	X
K16S32T	16.8	0.15	K172G	165.820	159.311	84.494	7.445	0.02670	2.67130	2	X
K16S34W	16.3	0.15	K172G	26.574	16.538	7.637	19.061	0.17797	3.04348	2	X
K16S35D	15.9	0.15	K172G	62.187	41.521	279.534	8.510	0.27888	3.00031	3	W
K16S35Y	17.2	0.15	K172G	61.364	262.563	55.487	27.291	0.41766	2.62723	2	X
K16S36M	17.4	0.15	K172G	346.861	35.470	47.068	13.207	0.16817	2.51900	2	X
K16S44T	17.7	0.15	K172G	46.306	239.437	119.268	1.756	0.21988	2.69205	2	W
K16T02A	17.8	0.15	K172G	277.689	242.188	269.789	17.737	0.02589	1.92947	2	X
K16T03D	15.9	0.15	K172G	48.625	328.753	12.502	14.594	0.21993	3.18684	2	X
K16T03E	16.1	0.15	K172G	53.804	266.933	78.275	9.782	0.24776	3.03790	3	W
K16T05S	16.4	0.15	K172G	302.307	309.418	181.588	22.807	0.21344	2.31741	2	X
K16T08H	17.3	0.15	K172G	23.087	315.677	84.882	5.580	0.25704	2.62113	2	W
K16T09D	16.3	0.15	K172G	348.094	174.554	248.344	5.912	0.03313	2.80159	3	W
K16T09M	16.7	0.15	K172G	61.977	35.645	308.881	1.556	0.11802	2.83912	2	X
K16T09O	15.7	0.15	K172G	37.681	354.850	17.158	12.324	0.09909	3.19882	2	X
K16T09Q	17.9	0.15	K172G	56.593	168.062	209.108	20.765	0.08314	1.87139	4	W
K16T09S	16.0	0.15	K172G	353.261	47.644	36.046	22.859	0.21417	3.12950	2	X
K16T09U	16.0	0.15	K172G	22.034	152.559	225.151	27.212	0.25560	3.06470	2	X
K16T09V	16.2	0.15	K172G	67.216	39.890	276.933	14.199	0.24276	2.71328	2	X
K16T12Q	16.2	0.15	K172G	39.927	134.994	219.806	15.890	0.14843	3.07857	2	X
K16T12Y	17.1	0.15	K172G	20.085	41.669	9.724	4.812	0.22093	2.60129	2	X
K16T13C	18.0	0.15	K172G	32.916	327.224	57.482	6.056	0.17172	2.23532	2	W
K16T13L	16.6	0.15	K172G	1.859	90.828	329.514	4.634	0.09853	2.80787	2	X

K16T16V	18.3	0.15	K172G	41.219	9.895	357.210	13.008	0.29676	2.64366	2 X
K16T16Y	16.8	0.15	K172G	21.502	66.719	330.813	9.913	0.07457	2.96314	2 X
K16T20S	17.3	0.15	K172G	52.166	149.071	204.671	15.739	0.16881	2.44933	3 W
K16T20Y	18.0	0.15	K172G	29.532	80.182	310.799	2.770	0.16099	2.51344	2 X
K16T24L	16.7	0.15	K172G	0.017	46.333	40.047	9.762	0.29318	3.14367	2 X
K16T24N	17.3	0.15	K172G	49.929	323.383	43.588	11.591	0.24511	2.66351	2 X
K16T24U	18.5	0.15	K172G	49.979	311.356	43.324	7.781	0.34792	2.64040	2 X
K16T25J	18.0	0.15	K172G	3.999	230.327	215.637	25.689	0.25017	2.33830	2 X
K16T26Y	16.8	0.15	K172G	152.761	306.711	297.930	23.263	0.15516	2.28277	2 X
K16T29S	16.3	0.15	K172G	86.004	54.401	264.566	14.146	0.14334	2.62038	2 X
K16T30F	16.0	0.15	K172G	98.539	353.970	312.663	9.026	0.08129	3.09775	2 X
K16T31M	18.0	0.15	K172G	83.849	67.056	267.923	4.522	0.08277	2.24945	2 X
K16T32Y	17.0	0.15	K172G	354.044	156.602	270.079	10.909	0.17324	2.67922	2 X
K16T33D	16.1	0.15	K172G	48.794	25.144	333.299	12.708	0.04195	2.61398	3 W
K16T33Y	17.2	0.15	K172G	58.952	63.130	271.481	8.726	0.22904	3.14635	2 X
K16T33Z	15.9	0.15	K172G	172.079	323.117	277.003	9.384	0.05263	3.11622	3 W
K16T38K	17.6	0.15	K172G	22.139	14.196	6.587	17.666	0.37690	3.05100	2 X
K16T43P	17.2	0.15	K172G	350.637	231.601	193.847	3.065	0.07309	2.71494	2 X
K16T44B	17.9	0.15	K172G	22.458	18.878	14.695	4.196	0.28087	2.60159	2 X
K16T44M	17.6	0.15	K172G	265.212	135.506	27.774	4.140	0.11908	2.26432	2 X
K16T46C	16.2	0.15	K172G	326.506	261.368	189.700	9.873	0.13731	3.15466	2 X
K16T46Q	16.4	0.15	K172G	347.634	194.696	237.750	11.096	0.01020	2.89965	2 X
K16T46T	17.4	0.15	K172G	13.927	49.849	3.409	7.078	0.17595	2.69404	2 X
K16T46W	17.3	0.15	K172G	87.023	28.213	299.917	3.889	0.11755	2.37894	3 W
K16T47A	15.8	0.15	K172G	268.506	130.386	19.767	5.888	0.02937	3.46175	2 X
K16T47C	17.5	0.15	K172G	81.805	311.457	8.235	3.133	0.19768	2.66441	3 W
K16T47O	16.4	0.15	K172G	179.137	57.631	194.183	9.826	0.11136	2.48604	3 W
K16T47U	16.7	0.15	K172G	70.036	260.374	83.303	5.815	0.12189	2.78297	3 W
K16T49A	18.0	0.15	K172G	70.494	3.200	347.821	5.200	0.12048	2.31732	2 X
K16T49N	15.7	0.15	K172G	238.084	303.845	242.404	12.861	0.03052	3.20601	4 W
K16T49T	16.7	0.15	K172G	113.238	260.948	49.143	4.044	0.06133	2.78624	3 W
K16T52M	16.4	0.15	K172G	37.347	13.010	347.887	16.051	0.22138	3.18291	2 X
K16T53T	16.8	0.15	K172G	40.956	51.795	310.174	6.209	0.25276	3.12333	2 X
K16T54L	19.6	0.15	K172G	39.255	31.023	13.080	20.785	0.11243	1.86304	2 X
K16T54O	18.2	0.15	K172G	72.194	310.366	37.071	4.967	0.15864	2.41915	2 X
K16T54Y	18.9	0.15	K172G	86.798	125.051	208.036	28.560	0.12884	1.87287	2 X
K16T55M	18.1	0.15	K172G	297.522	276.086	223.055	20.220	0.06904	1.92509	2 X
K16T56T	16.4	0.15	K172G	103.818	341.666	314.680	11.576	0.24932	2.56277	2 X
K16T56U	17.8	0.15	K172G	98.529	24.509	299.747	16.878	0.07555	1.96930	4 W
K16T56Y	17.2	0.15	K172G	33.208	321.840	83.153	15.576	0.31144	2.42500	2 W
K16T58E	16.5	0.15	K172G	82.543	12.493	296.578	10.962	0.13828	2.68928	2 X
K16T58G	15.8	0.15	K172G	43.631	63.145	287.909	9.767	0.11044	3.11505	4 W
K16T59Q	17.3	0.15	K172G	53.473	130.270	197.248	26.128	0.20510	3.19328	2 X
K16T60R	16.6	0.15	K172G	57.608	340.473	0.578	1.747	0.10462	2.85061	3 W
K16T60W	17.2	0.15	K172G	24.134	5.878	19.457	5.757	0.19288	2.65838	2 X
K16T61V	16.3	0.15	K172G	121.424	245.582	15.390	19.206	0.12466	3.21120	3 W
K16T63O	19.0	0.15	K172G	27.278	353.984	35.429	3.373	0.17356	2.26652	2 X
K16T64N	17.6	0.15	K172G	13.857	10.384	50.618	15.034	0.23784	2.60218	2 X
K16T64P	16.7	0.15	K172G	60.458	305.895	41.065	32.043	0.23744	2.62423	2 X
K16T64Q	17.4	0.15	K172G	43.820	77.467	259.569	8.323	0.33738	3.05079	2 X
K16T64Y	17.3	0.15	K172G	23.445	99.345	285.952	7.036	0.30784	2.78606	2 X
K16T64Z	15.7	0.15	K172G	49.821	79.990	267.783	8.828	0.09164	2.98150	3 W
K16T66B	15.9	0.15	K172G	84.472	36.680	259.834	12.975	0.15075	3.11735	2 X
K16T66U	17.1	0.15	K172G	15.699	169.905	229.171	12.349	0.28550	2.64225	2 X
K16T67M	16.1	0.15	K172G	12.401	93.050	306.550	8.744	0.21619	3.18849	2 X
K16T67O	16.6	0.15	K172G	42.874	94.380	266.210	10.880	0.15740	2.76442	3 W
K16T67W	16.5	0.15	K172G	239.396	301.932	232.692	14.376	0.07030	2.53124	2 X
K16T67X	16.8	0.15	K172G	44.995	102.901	245.281	10.998	0.18536	3.07929	2 X

K16T70D	16.5	0.15	K172G	310.902	180.394	287.380	3.985	0.07878	2.81652	2 X
K16T70S	17.5	0.15	K172G	45.310	145.641	203.504	12.717	0.22762	2.69526	2 X
K16T71B	16.6	0.15	K172G	38.526	104.380	247.964	15.352	0.14717	3.08578	2 X
K16T71Y	16.3	0.15	K172G	79.500	21.058	297.673	11.186	0.07689	2.99566	2 X
K16T72W	16.6	0.15	K172G	33.349	346.313	26.268	12.432	0.08441	2.73713	2 X
K16T72Z	15.3	0.15	K172G	310.183	58.458	44.934	6.280	0.16152	3.98240	2 X
K16T73W	17.3	0.15	K172G	343.864	84.637	349.850	4.405	0.17639	2.67432	3 W
K16T74B	17.4	0.15	K172G	342.584	236.035	201.246	8.705	0.19616	2.72917	2 X
K16T74N	17.9	0.15	K172G	325.140	255.204	205.009	4.842	0.11504	2.30932	2 X
K16T74T	18.0	0.15	K172G	34.829	178.178	193.810	2.537	0.27888	2.45074	2 X
K16T74X	16.0	0.15	K172G	32.338	341.402	19.797	24.996	0.17711	3.15421	2 X
K16T75W	17.1	0.15	K172G	132.364	240.785	20.194	22.675	0.17292	2.35718	2 X
K16T77Z	18.4	0.15	K172G	16.607	73.310	342.538	5.927	0.22307	2.28706	2 X
K16T78B	16.9	0.15	K172G	350.125	194.039	249.290	7.691	0.23698	2.80854	2 X
K16T78E	17.4	0.15	K172G	47.449	138.857	223.561	2.807	0.22498	2.61550	2 X
K16T78F	16.2	0.15	K172G	48.362	126.499	212.333	26.849	0.34718	3.15128	2 X
K16T78G	17.4	0.15	K172G	60.459	137.343	216.789	15.441	0.15315	2.44913	3 W
K16T78H	18.1	0.15	K172G	62.813	341.247	5.163	2.537	0.21384	2.41665	3 W
K16T78J	16.0	0.15	K172G	80.407	102.029	223.501	16.721	0.11652	3.03845	3 W
K16T78O	17.2	0.15	K172G	43.250	327.717	59.756	4.857	0.12463	2.35152	2 X
K16T79E	16.4	0.15	K172G	127.151	13.210	256.502	11.197	0.16149	2.62338	2 X
K16T79Q	15.6	0.15	K172G	343.955	119.953	323.772	9.293	0.28640	3.94480	2 X
K16T80F	16.6	0.15	K172G	15.676	23.687	3.261	0.225	0.18766	3.12527	3 W
K16T80Y	16.3	0.15	K172G	335.306	236.233	214.460	24.443	0.15387	2.79913	2 X
K16T81D	17.3	0.15	K172G	5.185	66.512	351.498	7.630	0.19920	2.75066	2 X
K16T81E	17.9	0.15	K172G	118.348	42.681	241.967	6.773	0.17147	2.19368	2 X
K16T81H	16.2	0.15	K172G	126.559	285.572	358.427	12.057	0.01031	2.92386	2 X
K16T81P	16.2	0.15	K172G	71.307	334.510	355.080	8.797	0.07766	3.08681	2 X
K16T82F	16.1	0.15	K172G	77.042	109.217	220.941	17.113	0.02825	2.80850	2 X
K16T82T	16.6	0.15	K172G	300.595	181.178	292.872	8.634	0.00468	2.62190	3 W
K16T83V	19.1	0.15	K172G	34.947	50.765	339.652	1.326	0.19150	2.33122	2 X
K16T83W	18.1	0.15	K172G	27.395	110.808	277.379	7.989	0.18350	2.55509	2 X
K16T84Y	17.1	0.15	K172G	58.068	131.531	211.792	31.082	0.30166	2.62298	2 X
K16T85A	16.4	0.15	K172G	56.446	65.279	269.966	17.877	0.17060	3.20718	2 X
K16T86W	18.5	0.15	K172G	89.752	113.725	200.561	4.872	0.24956	2.30218	2 X
K16T87D	16.9	0.15	K172G	30.817	335.064	60.129	6.967	0.03412	2.74932	2 X
K16T87P	17.0	0.15	K172G	1.845	104.579	307.095	4.926	0.05679	2.84828	2 X
K16T88D	16.6	0.15	K172G	317.120	68.191	43.948	11.303	0.07604	3.12342	2 X
K16T88E	17.3	0.15	K172G	24.713	182.464	213.370	9.124	0.10567	3.07938	2 X
K16T88L	17.4	0.15	K172G	290.996	283.234	216.102	10.749	0.05409	2.93518	2 X
K16T89E	16.7	0.15	K172G	51.999	86.407	277.407	11.728	0.17119	2.65454	2 X
K16T89Q	16.5	0.15	K172G	102.249	96.852	210.306	10.307	0.10395	3.11586	3 W
K16T89S	17.2	0.15	K172G	64.533	182.453	157.039	1.754	0.18194	3.09208	2 X
K16T89V	17.9	0.15	K172G	346.580	34.357	57.034	5.547	0.11441	2.47108	2 X
K16T89W	17.8	0.15	K172G	53.246	298.629	54.214	5.561	0.26128	2.64415	2 X
K16T90B	18.9	0.15	K172G	61.894	178.371	170.939	1.870	0.20050	2.55846	2 X
K16T90K	16.4	0.15	K172G	345.631	26.975	52.905	10.484	0.04034	3.04144	3 W
K16T90X	18.0	0.15	K172G	77.417	159.460	177.036	3.937	0.15134	2.58113	2 X
K16T90Y	16.6	0.15	K172G	10.577	317.337	99.679	3.303	0.05483	2.86496	3 W
K16T91H	17.2	0.15	K172G	135.240	150.104	134.739	7.302	0.11036	2.64403	2 X
K16T92O	19.2	0.15	K172G	324.464	146.274	330.663	19.518	0.11385	1.89095	2 X
K16T93D	18.1	0.15	K172G	9.533	143.096	294.470	12.750	0.38167	2.67118	2 X
K16U00G	17.8	0.15	K172G	22.802	247.711	165.316	28.436	0.46182	2.65279	2 X
K16U00U	17.2	0.15	K172G	35.184	345.243	27.729	2.408	0.09434	2.70220	3 W
K16U00X	18.5	0.15	K172G	27.639	16.076	17.410	2.702	0.19040	2.29978	3 W
K16U01H	18.0	0.15	K172G	62.241	70.643	279.129	3.842	0.17184	2.23441	2 X
K16U01J	17.3	0.15	K172G	289.289	223.329	271.401	5.843	0.03657	2.39980	3 W
K16U01M	15.9	0.15	K172G	44.895	354.001	5.452	12.630	0.15063	3.01126	2 X

K16U01O	16.4	0.15	K172G	23.209	135.932	252.122	8.390	0.11237	3.01347	2 X
K16U01P	16.3	0.15	K172G	64.604	92.192	245.163	9.567	0.10546	3.08181	2 X
K16U01U	17.2	0.15	K172G	82.670	250.461	38.132	12.131	0.32853	2.71854	2 X
K16U01W	18.6	0.15	K172G	68.387	271.352	67.550	3.765	0.18492	2.15691	2 X
K16U03F	17.7	0.15	K172G	68.639	278.572	51.771	2.981	0.21348	2.63508	3 W
K16U04J	17.4	0.15	K172G	26.208	102.678	225.526	22.122	0.42676	3.13274	3 W
K16U05B	18.3	0.15	K172G	155.452	269.231	5.062	20.749	0.04078	1.84443	3 W
K16U06G	16.6	0.15	K172G	341.646	61.076	12.909	10.565	0.10576	3.03524	2 X
K16U06N	16.8	0.15	K172G	66.602	42.095	296.072	2.974	0.03318	2.99857	2 X
K16U06O	17.4	0.15	K172G	5.068	148.142	276.215	6.328	0.05390	2.25508	2 X
K16U06R	17.0	0.15	K172G	154.422	316.890	302.593	5.272	0.00835	2.72098	2 X
K16U06V	17.0	0.15	K172G	8.760	48.668	355.897	9.527	0.09514	3.10073	2 X
K16U06W	18.6	0.15	K172G	48.082	76.013	291.560	4.332	0.15591	2.33430	2 X
K16U06Z	17.8	0.15	K172G	176.684	240.786	3.374	9.290	0.05871	2.21833	2 X
K16U07A	16.2	0.15	K172G	24.914	9.123	14.504	16.350	0.23660	3.14659	2 X
K16U07O	17.7	0.15	K172G	26.214	180.231	209.763	9.417	0.23372	2.71574	2 X
K16U07U	17.3	0.15	K172G	62.344	355.593	333.089	11.620	0.20348	2.64922	2 X
K16U07W	17.0	0.15	K172G	124.234	5.797	255.653	9.150	0.19728	2.32104	3 W
K16U08L	16.6	0.15	K172G	8.242	111.772	281.707	14.507	0.09476	3.10882	2 X
K16U08O	16.6	0.15	K172G	14.921	94.857	293.814	10.695	0.06884	2.95004	2 X
K16U08R	16.3	0.15	K172G	318.389	186.030	265.034	15.439	0.08260	3.24192	2 X
K16U08U	17.5	0.15	K172G	353.169	99.461	323.430	11.424	0.15378	3.17749	2 X
K16U08X	16.2	0.15	K172G	11.966	77.213	320.357	11.670	0.10774	3.12388	3 W
K16U08Y	17.1	0.15	K172G	79.733	343.027	334.161	12.653	0.17644	2.58776	2 X
K16U09G	19.1	0.15	K172G	40.118	21.166	352.007	10.923	0.24243	2.37580	2 X
K16U09N	16.1	0.15	K172G	49.122	68.521	275.955	14.882	0.18749	2.71569	2 X
K16U10B	16.9	0.15	K172G	282.689	255.321	251.342	13.712	0.15754	2.65817	2 X
K16U10Q	18.6	0.15	K172G	44.523	168.099	198.206	1.113	0.19861	2.31644	2 X
K16U10V	16.8	0.15	K172G	59.266	301.446	22.335	4.493	0.22932	3.15883	2 X
K16U11G	16.4	0.15	K172G	101.681	283.895	13.313	13.774	0.09038	2.77677	3 W
K16U11J	16.9	0.15	K172G	42.367	17.158	346.007	3.960	0.09146	2.78528	3 W
K16U11L	16.6	0.15	K172G	352.984	189.700	231.520	4.697	0.05841	2.69380	3 W
K16U11N	17.2	0.15	K172G	44.788	1.621	354.337	4.668	0.17879	2.79330	2 X
K16U11O	17.0	0.15	K172G	55.556	18.678	327.583	3.016	0.10982	2.80708	2 X
K16U11P	16.8	0.15	K172G	335.452	77.252	1.749	6.803	0.10210	3.11837	2 X
K16U11R	16.7	0.15	K172G	357.417	51.623	6.202	9.122	0.14990	3.03876	2 X
K16U12B	17.0	0.15	K172G	118.977	298.595	345.090	3.849	0.13462	2.31598	4 W
K16U12M	17.3	0.15	K172G	65.508	99.911	222.305	10.666	0.19319	3.05505	2 X
K16U12O	16.9	0.15	K172G	39.580	119.652	250.957	4.554	0.04783	2.67409	2 X
K16U12U	18.5	0.15	K172G	99.319	339.639	329.143	2.483	0.13521	2.13697	2 X
K16U14A	18.0	0.15	K172G	106.681	334.660	329.147	5.510	0.09989	2.35170	2 X
K16U14F	16.2	0.15	K172G	64.997	124.962	220.816	11.636	0.04533	3.21108	2 X
K16U14G	18.6	0.15	K172G	359.537	53.156	23.323	6.550	0.13255	2.30268	2 X
K16U14R	17.5	0.15	K172G	49.385	316.785	32.852	13.081	0.31268	2.67271	2 X
K16U14S	18.5	0.15	K172G	326.513	86.982	32.859	21.303	0.08042	1.90797	2 X
K16U14U	18.5	0.15	K172G	340.236	60.887	37.044	7.325	0.14733	2.39665	2 X
K16U14Z	17.6	0.15	K172G	17.417	351.103	55.106	0.509	0.18689	2.66974	2 X
K16U15A	16.8	0.15	K172G	16.598	230.650	169.035	1.258	0.18299	3.11176	3 W
K16U15C	17.5	0.15	K172G	33.462	167.860	205.791	1.749	0.24995	3.01973	2 X
K16U15G	16.7	0.15	K172G	336.646	40.578	58.126	0.916	0.21868	3.18978	3 W
K16U15R	18.0	0.15	K172G	81.343	138.102	191.146	1.705	0.09078	2.63328	2 X
K16U15S	17.5	0.15	K172G	349.890	231.909	201.736	4.835	0.07069	2.71816	2 X
K16U15V	16.0	0.15	K172G	91.065	287.077	24.076	18.838	0.14095	3.04390	4 W
K16U15Z	16.8	0.15	K172G	39.553	7.024	1.983	9.547	0.17108	3.04647	2 X
K16U16J	16.5	0.15	K172G	107.111	322.998	334.985	9.073	0.08343	3.12328	2 X
K16U16V	17.1	0.15	K172G	56.156	96.294	250.553	8.206	0.08943	3.18059	2 X
K16U16W	16.3	0.15	K172G	307.812	241.639	230.921	16.121	0.10038	3.20757	2 X
K16U16X	17.4	0.15	K172G	23.601	33.304	359.691	9.116	0.18107	2.71284	2 X

K16U17N	16.9	0.15	K172G	73.651	113.398	212.955	8.301	0.14315	3.06320	3 W
K16U17Q	17.0	0.15	K172G	79.496	298.072	21.123	9.671	0.21564	2.58867	2 X
K16U17U	17.1	0.15	K172G	39.907	44.344	332.434	3.096	0.11876	2.67068	3 W
K16U17V	17.0	0.15	K172G	48.504	3.835	2.071	5.669	0.11483	2.70389	2 X
K16U18D	16.3	0.15	K172G	118.019	304.140	338.842	15.556	0.06624	3.05301	2 X
K16U18N	16.7	0.15	K172G	355.259	52.092	2.791	8.698	0.10222	3.20070	2 X
K16U20A	17.4	0.15	K172G	29.871	134.443	254.974	8.333	0.23562	2.77732	2 X
K16U20G	17.9	0.15	K172G	50.236	322.275	35.404	15.740	0.15532	2.88124	2 X
K16U20H	18.1	0.15	K172G	131.967	248.028	39.556	1.992	0.08392	2.20529	4 W
K16U20M	16.9	0.15	K172G	352.877	42.738	33.218	9.978	0.17630	3.16125	2 X
K16U22Z	18.2	0.15	K172G	68.553	195.210	144.440	4.448	0.23269	2.23560	2 X
K16U23L	18.1	0.15	K172G	39.271	146.386	228.724	5.171	0.24287	2.63148	2 X
K16U23U	17.1	0.15	K172G	5.322	26.748	32.783	10.302	0.02955	2.71737	2 X
K16U23Z	18.2	0.15	K172G	30.464	157.330	235.580	1.631	0.18086	2.44946	3 W
K16U24A	17.7	0.15	K172G	48.291	213.420	140.778	8.636	0.22890	2.79953	2 X
K16U24F	17.8	0.15	K172G	343.293	53.375	32.766	17.171	0.09884	2.55342	2 X
K16U24J	16.1	0.15	K172G	86.651	281.323	29.306	23.918	0.16297	3.21046	2 W
K16U24L	16.8	0.15	K172G	224.197	310.711	251.306	4.858	0.09270	2.54409	4 W
K16U24Q	16.3	0.15	K172G	282.842	75.403	65.629	15.027	0.06572	2.69597	2 X
K16U24R	17.6	0.15	K172G	49.130	234.008	124.940	6.614	0.22172	2.53932	2 X
K16U24V	18.3	0.15	K172G	92.440	281.431	35.317	3.309	0.19643	2.25082	2 X
K16U24Z	18.9	0.15	K172G	124.869	274.970	35.120	22.597	0.05080	1.84952	3 W
K16U25R	17.2	0.15	K172G	37.864	313.558	59.997	32.885	0.28126	2.59300	2 X
K16U25S	17.6	0.15	K172G	300.585	246.894	246.427	17.939	0.11569	1.93744	2 W
K16U26H	17.0	0.15	K172G	78.201	290.556	31.445	12.846	0.37950	2.52459	2 X
K16U26T	16.1	0.15	K172G	338.431	63.679	28.700	22.304	0.09339	2.61567	2 X
K16U26U	19.0	0.15	K172G	30.952	26.113	3.961	4.725	0.20537	2.54432	2 X
K16U26V	16.5	0.15	K172G	47.883	326.938	24.861	17.577	0.23517	3.16031	2 X
K16U26Z	16.5	0.15	K172G	196.699	248.488	334.555	3.482	0.04268	2.80379	2 X
K16U27E	16.2	0.15	K172G	52.603	300.011	47.478	11.914	0.17819	3.06478	2 X
K16U27V	16.7	0.15	K172G	325.476	81.250	15.547	7.866	0.04219	2.93529	3 W
K16U27Y	16.3	0.15	K172G	48.511	144.608	216.829	9.369	0.15771	3.03453	2 X
K16U28E	17.3	0.15	K172G	8.000	75.719	331.874	11.563	0.29962	3.00288	2 X
K16U28Q	15.7	0.15	K172G	341.994	38.185	19.271	21.205	0.08034	3.11194	3 W
K16U28T	16.0	0.15	K172G	325.190	130.767	316.161	12.139	0.12427	3.20379	3 W
K16U28U	16.5	0.15	K172G	352.856	79.515	340.971	15.433	0.20737	3.27868	2 X
K16U28V	16.3	0.15	K172G	80.757	51.321	255.294	14.747	0.16566	3.12523	3 W
K16U28Z	16.9	0.15	K172G	6.160	128.271	277.720	12.280	0.14155	3.09760	2 X
K16U29H	16.1	0.15	K172G	25.719	54.748	331.823	15.739	0.13309	3.10001	2 X
K16U29L	18.2	0.15	K172G	37.783	177.343	208.575	1.897	0.22206	2.35737	2 X
K16U29R	16.5	0.15	K172G	18.815	0.039	46.183	16.404	0.13209	3.20088	2 X
K16U29T	17.4	0.15	K172G	101.461	315.727	347.532	14.018	0.16874	2.56359	2 X
K16U29V	16.6	0.15	K172G	110.991	356.924	295.830	14.234	0.11773	2.63815	2 X
K16U29X	16.7	0.15	K172G	41.262	21.361	352.950	14.760	0.16445	2.67015	2 X
K16U30B	17.1	0.15	K172G	15.217	110.467	295.430	9.713	0.29688	3.08771	2 X
K16U30L	17.7	0.15	K172G	22.150	210.989	175.379	4.679	0.27347	2.61312	2 X
K16U30V	18.5	0.15	K172G	45.772	269.336	105.152	1.993	0.17551	2.33382	2 X
K16U30X	16.3	0.15	K172G	356.301	114.491	320.332	14.262	0.18185	3.06335	2 X
K16U31D	18.5	0.15	K172G	10.746	75.072	355.781	26.913	0.46588	2.57630	3 W
K16U32E	16.4	0.15	K172G	75.885	42.141	274.895	11.960	0.10278	2.85769	2 X
K16U32J	16.2	0.15	K172G	209.440	313.460	250.766	27.373	0.11230	2.57471	3 W
K16U32W	18.0	0.15	K172G	346.240	198.200	248.548	3.973	0.13805	2.62893	3 W
K16U33A	18.0	0.15	K172G	277.009	274.063	242.153	6.032	0.05637	2.29763	2 X
K16U33C	16.0	0.15	K172G	112.392	274.432	19.556	11.879	0.09490	3.11016	3 W
K16U33D	17.3	0.15	K172G	46.122	142.103	227.805	12.794	0.09166	2.73423	2 X
K16U33F	16.7	0.15	K172G	101.414	309.874	3.154	6.335	0.05417	2.80319	3 W
K16U33K	18.5	0.15	K172G	62.515	106.099	239.956	1.628	0.28569	2.53006	2 X
K16U33L	16.9	0.15	K172G	39.935	159.360	233.853	0.663	0.08176	2.56767	3 W

K16U33N	18.0	0.15	K172G	26.606	5.286	45.733	3.082	0.18399	2.42288	2 X
K16U33P	15.7	0.15	K172G	68.609	111.368	240.573	10.316	0.11096	3.22137	3 W
K16U33Y	16.9	0.15	K172G	24.110	355.780	46.432	16.893	0.27129	3.15768	2 X
K16U33Z	17.8	0.15	K172G	39.916	345.320	44.832	13.236	0.25066	2.38400	2 X
K16U34B	17.7	0.15	K172G	210.593	339.850	251.624	6.496	0.06872	2.27096	2 X
K16U34U	16.9	0.15	K172G	25.217	350.850	47.725	28.021	0.12631	3.14294	2 X
K16U34W	16.9	0.15	K172G	22.726	226.006	177.901	1.430	0.16009	2.99070	2 X
K16U35C	18.2	0.15	K172G	85.521	109.269	220.685	5.117	0.20716	2.23386	2 X
K16U35F	16.6	0.15	K172G	59.111	312.621	52.477	11.034	0.06731	3.02697	2 X
K16U35G	16.6	0.15	K172G	87.474	109.677	223.027	7.438	0.08026	3.12486	2 X
K16U35R	17.1	0.15	K172G	73.226	56.092	291.068	12.301	0.16770	2.62146	2 X
K16U35T	16.6	0.15	K172G	27.579	33.101	18.753	14.871	0.09056	2.56550	2 X
K16U35V	17.6	0.15	K172G	23.330	159.608	243.159	3.976	0.12580	2.35438	2 X
K16U36B	18.6	0.15	K172G	148.165	274.393	10.278	19.768	0.06565	1.92190	2 X
K16U36U	17.8	0.15	K172G	190.104	43.537	187.183	22.339	0.03553	1.89775	2 X
K16U38P	15.9	0.15	K172G	109.679	14.820	258.065	15.879	0.16125	3.15279	2 X
K16U39B	16.4	0.15	K172G	359.369	48.712	10.704	10.015	0.06394	3.37170	2 X
K16U39R	17.1	0.15	K172G	52.137	16.379	348.425	3.751	0.09138	2.80937	2 X
K16U39V	17.4	0.15	K172G	106.408	75.533	221.445	16.605	0.21647	2.66613	2 X
K16U40E	17.9	0.15	K172G	21.267	22.296	21.762	13.688	0.17540	2.64810	2 X
K16U40G	18.4	0.15	K172G	47.559	344.396	27.369	12.609	0.20335	2.36413	2 X
K16U40J	17.2	0.15	K172G	48.649	148.737	227.911	3.070	0.11036	2.77577	2 X
K16U40S	17.9	0.15	K172G	62.127	130.675	226.353	1.975	0.13523	2.57555	2 X
K16U41F	17.5	0.15	K172G	93.852	249.994	70.639	6.130	0.27068	2.15559	3 W
K16U41T	17.7	0.15	K172G	109.892	243.226	66.478	6.808	0.22179	2.36313	2 X
K16U42E	19.3	0.15	K172G	51.907	184.775	204.014	21.598	0.04053	1.83338	2 X
K16U42W	16.6	0.15	K172G	46.387	136.427	226.567	13.415	0.23474	3.17182	2 X
K16U43A	16.3	0.15	K172G	339.635	51.208	54.278	8.843	0.19076	3.16904	2 X
K16U43J	17.4	0.15	K172G	69.414	325.312	23.158	4.648	0.12975	2.14415	3 W
K16U43M	15.9	0.15	K172G	118.777	244.606	49.473	2.757	0.06486	2.85440	2 X
K16U43N	18.3	0.15	K172G	16.281	8.983	44.164	6.146	0.24998	2.61308	2 X
K16U43P	18.5	0.15	K172G	24.662	197.192	208.667	5.229	0.17126	2.35090	2 X
K16U43S	17.1	0.15	K172G	53.308	168.246	193.299	1.706	0.10910	2.66964	3 W
K16U44L	16.6	0.15	K172G	102.697	338.304	307.231	9.227	0.09225	3.18115	2 X
K16U44U	16.7	0.15	K172G	64.524	332.976	21.727	6.368	0.16801	2.97513	2 X
K16U44X	17.4	0.15	K172G	44.439	10.543	351.597	4.798	0.31008	2.57154	2 X
K16U45B	16.7	0.15	K172G	10.494	95.839	304.860	9.661	0.10829	3.00003	2 X
K16U45E	16.1	0.15	K172G	289.272	207.844	276.570	9.790	0.03145	3.15401	2 X
K16U45F	16.0	0.15	K172G	96.747	39.141	254.329	11.605	0.17675	3.08134	3 W
K16U45J	18.3	0.15	K172G	37.013	65.698	310.919	6.194	0.10713	2.50619	2 X
K16U45W	16.9	0.15	K172G	354.054	150.904	276.408	7.010	0.16627	3.15484	2 X
K16U45X	16.2	0.15	K172G	332.209	179.696	261.493	11.127	0.04880	3.24283	2 X
K16U45Z	16.5	0.15	K172G	57.363	47.357	299.054	8.457	0.11350	3.03703	2 X
K16U46G	17.0	0.15	K172G	41.546	127.606	245.805	10.925	0.09539	2.58795	2 W
K16U46J	17.7	0.15	K172G	349.844	162.472	278.204	7.146	0.04898	2.19646	2 X
K16U46M	16.6	0.15	K172G	265.695	175.117	338.180	7.272	0.01704	2.74059	5 W
K16U46P	16.7	0.15	K172G	65.561	45.915	292.402	6.050	0.11774	3.01412	2 X
K16U46V	16.3	0.15	K172G	90.189	0.923	312.360	7.680	0.09791	3.04115	2 X
K16U47E	17.7	0.15	K172G	341.296	143.801	316.586	4.101	0.19495	2.36106	3 W
K16U47M	16.8	0.15	K172G	15.964	141.352	260.509	5.177	0.03929	2.69519	2 X
K16U47P	16.4	0.15	K172G	12.695	58.858	341.050	8.436	0.02011	2.71682	2 X
K16U47S	17.0	0.15	K172G	317.837	199.053	270.608	8.132	0.08174	2.71654	2 X
K16U47V	16.0	0.15	K172G	197.848	328.308	241.726	9.906	0.12150	3.07153	2 X
K16U47X	17.3	0.15	K172G	109.988	44.531	257.860	6.724	0.12510	2.31496	2 X
K16U48B	17.7	0.15	K172G	348.013	230.512	225.034	25.149	0.32541	3.12639	2 X
K16U48E	16.5	0.15	K172G	107.201	293.887	7.073	11.177	0.08303	3.09453	2 X
K16U48K	18.1	0.15	K172G	42.561	144.120	236.474	5.979	0.10617	2.32125	3 W
K16U48L	17.4	0.15	K172G	14.206	54.767	355.410	2.895	0.19487	2.74569	2 X

K16U48M	17.3	0.15	K172G	51.848	129.627	225.956	8.848	0.10859	3.13310	2 X
K16U48W	17.5	0.15	K172G	24.489	151.401	244.706	3.096	0.17396	2.70318	2 X
K16U48X	19.2	0.15	K172G	26.382	37.833	1.178	2.333	0.19976	2.45584	2 X
K16U48Y	17.3	0.15	K172G	263.628	166.777	7.432	3.612	0.15517	2.45175	3 W
K16U49F	16.8	0.15	K172G	21.261	163.476	236.781	11.895	0.18969	2.78880	2 X
K16U49L	16.8	0.15	K172G	83.097	304.522	16.927	12.075	0.12898	3.10248	2 X
K16U49N	17.1	0.15	K172G	62.781	104.091	238.166	10.144	0.14387	3.13229	3 W
K16U49R	17.7	0.15	K172G	11.126	184.871	236.044	10.344	0.21255	2.61203	2 X
K16U49V	17.2	0.15	K172G	129.710	33.925	246.349	7.939	0.14539	2.57364	3 W
K16U50F	17.1	0.15	K172G	324.370	88.948	15.400	4.847	0.11542	3.23696	2 X
K16U50G	18.5	0.15	K172G	46.589	340.331	27.741	7.238	0.16380	2.64538	2 X
K16U50K	17.4	0.15	K172G	358.105	89.027	339.509	1.322	0.06072	2.68432	3 W
K16U50M	16.8	0.15	K172G	121.758	32.888	259.533	1.328	0.05077	3.02702	2 X
K16U50O	18.9	0.15	K172G	21.580	106.966	304.700	0.401	0.17336	2.44616	2 X
K16U50Y	18.6	0.15	K172G	91.951	53.303	258.852	1.672	0.21806	2.31196	2 X
K16U51O	16.2	0.15	K172G	63.311	284.655	53.687	3.312	0.29026	2.99081	3 W
K16U51R	17.4	0.15	K172G	34.232	337.944	60.583	3.202	0.13020	2.57951	3 W
K16U51T	17.0	0.15	K172G	29.453	308.160	89.835	3.044	0.12083	3.17275	2 X
K16U52B	18.7	0.15	K172G	54.545	157.999	213.975	4.286	0.20134	2.32650	2 X
K16U52J	16.5	0.15	K172G	6.327	11.289	59.226	7.089	0.03741	2.76737	4 W
K16U52P	17.6	0.15	K172G	15.570	103.486	327.652	2.336	0.20801	2.33706	3 W
K16U52Q	15.8	0.15	K172G	100.204	76.787	246.029	17.152	0.09106	3.08460	2 X
K16U53C	18.3	0.15	K172G	66.676	278.563	73.297	2.356	0.20409	2.38615	2 X
K16U53G	17.3	0.15	K172G	47.217	225.023	146.078	1.419	0.19519	3.08126	2 X
K16U53N	16.7	0.15	K172G	38.538	108.146	262.435	15.524	0.18845	3.04159	2 X
K16U54A	16.8	0.15	K172G	47.808	251.302	93.528	7.347	0.23377	2.91892	2 X
K16U54F	16.2	0.15	K172G	23.154	333.050	46.205	23.585	0.08599	3.19946	2 X
K16U54L	18.1	0.15	K172G	56.308	163.903	194.472	7.326	0.21550	2.56961	2 X
K16U54M	17.7	0.15	K172G	33.457	283.053	116.105	3.412	0.15687	2.34656	3 W
K16U54O	16.7	0.15	K172G	55.852	269.539	87.547	6.084	0.16384	3.07980	2 X
K16U54T	16.5	0.15	K172G	15.426	326.238	86.390	6.586	0.12122	3.01378	2 X
K16U54U	17.7	0.15	K172G	23.012	238.600	169.831	4.644	0.15816	2.62296	2 X
K16U54V	17.1	0.15	K172G	89.757	186.128	137.079	3.463	0.16988	2.58207	2 X
K16U54X	18.0	0.15	K172G	35.599	248.365	145.629	3.440	0.17634	2.43524	2 X
K16U55E	15.8	0.15	K172G	10.957	160.029	251.929	12.212	0.27891	3.05683	2 X
K16U55M	17.1	0.15	K172G	42.413	315.067	72.661	6.487	0.19216	2.83639	2 X
K16U55R	18.3	0.15	K172G	358.123	235.683	226.787	21.956	0.18504	2.28418	2 X
K16U56B	16.1	0.15	K172G	359.439	9.336	78.706	10.263	0.14154	3.01008	3 W
K16U56N	17.1	0.15	K172G	28.424	242.569	175.347	2.920	0.05954	2.63789	2 X
K16U56V	15.5	0.15	K172G	8.606	98.964	287.541	25.391	0.21728	3.16428	3 W
K16U57P	16.1	0.15	K172G	24.495	355.309	24.115	28.136	0.16115	3.16563	3 W
K16U57U	16.3	0.15	K172G	329.369	74.213	20.122	17.314	0.10711	2.76891	3 W
K16U57V	18.3	0.15	K172G	59.515	298.278	61.067	3.155	0.15658	2.15424	2 X
K16U57Z	17.0	0.15	K172G	24.528	167.884	227.963	12.869	0.24140	2.63967	2 X
K16U58A	15.8	0.15	K172G	53.446	32.283	308.700	8.645	0.14795	3.16506	2 X
K16U58B	15.7	0.15	K172G	67.347	30.722	298.977	9.789	0.10090	3.11460	2 X
K16U58E	17.0	0.15	K172G	340.623	105.331	351.613	12.102	0.24503	2.67074	4 W
K16U58H	16.8	0.15	K172G	39.147	71.624	292.666	8.667	0.11752	3.15836	2 X
K16U58M	18.3	0.15	K172G	30.840	36.209	9.655	18.525	0.09204	1.88866	3 W
K16U58P	18.7	0.15	K172G	31.511	53.764	340.379	6.769	0.19519	2.21373	2 X
K16U58U	16.4	0.15	K172G	147.556	258.843	356.212	10.393	0.07196	3.11911	3 W
K16U59B	16.6	0.15	K172G	40.240	58.775	311.825	8.461	0.07743	2.96179	2 X
K16U59G	18.7	0.15	K172G	27.624	53.153	333.320	6.995	0.23827	2.79846	2 X
K16U59P	18.2	0.15	K172G	31.432	157.135	228.638	11.851	0.16888	2.62016	2 X
K16U59Q	17.1	0.15	K172G	83.838	347.892	320.266	4.277	0.23313	2.59081	2 X
K16U59V	17.1	0.15	K172G	37.988	148.137	220.367	13.293	0.14191	3.05449	2 X
K16U59Z	16.7	0.15	K172G	18.464	34.399	358.945	9.103	0.08632	3.12285	2 X
K16U60C	16.0	0.15	K172G	96.733	338.465	323.585	3.774	0.12099	3.04894	3 W

K16U60K	18.1	0.15	K172G	359.538	123.492	308.305	3.130	0.10048	2.44332	2 X
K16U60L	17.7	0.15	K172G	47.483	354.758	17.780	2.582	0.21375	2.43094	3 W
K16U60M	17.1	0.15	K172G	58.038	324.779	36.612	4.888	0.08669	2.78594	2 X
K16U62F	16.5	0.15	K172G	1.894	9.414	49.604	14.042	0.16238	2.64000	2 X
K16U62K	17.3	0.15	K172G	26.139	300.073	82.874	7.250	0.07048	2.80168	2 X
K16U62V	16.3	0.15	K172G	34.040	295.294	73.851	11.816	0.16046	2.85024	4 W
K16U63B	17.8	0.15	K172G	46.707	299.293	68.052	7.965	0.13222	2.32634	2 X
K16U63H	16.6	0.15	K172G	150.607	198.027	55.333	14.812	0.02656	3.07248	2 X
K16U63Q	17.8	0.15	K172G	25.182	295.463	99.332	6.215	0.22914	2.41866	2 X
K16U64E	18.1	0.15	K172G	31.915	326.501	49.801	9.855	0.20472	2.61440	2 X
K16U64J	17.6	0.15	K172G	165.858	170.553	71.107	7.330	0.10751	2.38493	2 X
K16U64M	16.6	0.15	K172G	40.373	221.715	144.506	6.247	0.07119	2.81292	3 W
K16U64O	16.6	0.15	K172G	44.368	186.475	169.468	9.248	0.13148	3.01105	2 X
K16U64Q	17.3	0.15	K172G	38.710	173.848	190.238	13.956	0.25921	2.69127	3 W
K16U64S	16.9	0.15	K172G	64.407	195.109	142.760	6.500	0.08856	2.88247	2 X
K16U64W	15.8	0.15	K172G	87.247	57.224	261.488	12.620	0.10145	2.62434	3 W
K16U65A	17.0	0.15	K172G	99.779	334.336	332.793	8.163	0.11593	2.60794	2 X
K16U66R	16.9	0.15	K172G	106.302	194.919	107.297	6.413	0.15634	2.53936	3 W
K16U67L	16.5	0.15	K172G	34.811	312.799	70.139	12.598	0.18402	2.63451	3 W
K16U67W	16.1	0.15	K172G	337.397	42.788	70.414	11.119	0.18083	3.17054	4 W
K16U68T	17.6	0.15	K172G	209.375	5.495	207.646	6.313	0.08332	2.30453	3 W
K16U68V	18.3	0.15	K172G	123.144	245.803	31.769	5.226	0.20362	2.29851	2 X
K16U69A	18.1	0.15	K172G	72.818	120.893	205.376	1.555	0.18814	2.67235	2 X
K16U69H	17.2	0.15	K172G	85.434	282.225	42.488	7.527	0.08716	2.61046	2 X
K16U69P	16.2	0.15	K172G	307.920	265.088	201.401	9.009	0.01114	3.17148	4 W
K16U69R	17.3	0.15	K172G	358.492	15.907	45.462	7.214	0.04520	2.77662	2 X
K16U69S	16.2	0.15	K172G	347.642	250.849	183.232	3.226	0.21291	3.99513	2 X
K16U70A	17.5	0.15	K172G	73.306	298.665	29.055	5.470	0.16734	2.65991	2 X
K16U70B	16.9	0.15	K172G	30.974	346.665	29.877	10.000	0.18146	3.08555	2 X
K16U70D	18.1	0.15	K172G	85.301	300.102	20.865	4.845	0.12130	2.60064	2 X
K16U70E	17.4	0.15	K172G	64.631	86.203	257.850	0.972	0.08309	2.85237	2 X
K16U70F	18.2	0.15	K172G	22.263	28.950	8.087	2.135	0.09981	2.65379	2 X
K16U70G	18.7	0.15	K172G	95.986	68.033	239.215	0.909	0.21941	2.16479	2 X
K16U70N	18.2	0.15	K172G	343.269	255.047	201.828	1.758	0.18265	2.37037	2 X
K16U70P	16.5	0.15	K172G	197.567	172.378	41.417	3.368	0.01307	3.13281	3 W
K16U70Z	17.7	0.15	K172G	52.181	270.564	71.714	6.906	0.44269	2.62333	2 X
K16U71A	17.2	0.15	K172G	58.159	134.696	211.746	12.875	0.17969	2.60635	2 X
K16U71F	17.3	0.15	K172G	60.358	42.767	311.054	1.354	0.10655	2.66003	3 W
K16U72A	16.8	0.15	K172G	31.234	167.812	207.551	11.107	0.15056	3.14314	2 X
K16U72B	17.7	0.15	K172G	342.288	300.163	159.787	1.552	0.25888	2.72661	3 W
K16U72C	18.4	0.15	K172G	349.097	284.583	168.245	0.612	0.25963	2.65408	3 W
K16U72K	16.7	0.15	K172G	273.392	283.265	220.735	9.569	0.05049	3.01221	2 X
K16U72M	17.6	0.15	K172G	4.649	63.036	1.541	1.914	0.19626	2.59295	3 W
K16U72O	18.3	0.15	K172G	351.078	227.840	219.311	9.369	0.17441	2.33952	2 X
K16U72R	18.9	0.15	K172G	28.024	62.726	333.480	0.636	0.17562	2.34684	2 X
K16U72S	18.6	0.15	K172G	35.147	58.402	325.326	0.727	0.18637	2.43182	2 X
K16U72V	18.6	0.15	K172G	346.969	224.756	224.612	4.489	0.13560	2.33197	2 X
K16U72X	17.2	0.15	K172G	24.340	164.925	225.061	1.325	0.10787	2.99158	2 X
K16U73B	17.1	0.15	K172G	92.018	274.876	30.706	7.970	0.21461	2.75988	2 X
K16U73H	17.0	0.15	K172G	353.879	308.466	116.351	1.584	0.05592	2.81697	3 W
K16U73U	16.8	0.15	K172G	100.384	280.998	24.852	6.133	0.07322	2.86191	3 W
K16U73X	17.6	0.15	K172G	57.107	49.010	303.279	1.107	0.07770	2.89858	2 X
K16U74L	19.0	0.15	K172G	53.367	121.069	235.608	3.400	0.19372	2.53988	2 X
K16U74M	17.9	0.15	K172G	216.945	311.815	253.915	1.414	0.04140	2.58375	2 X
K16U74N	17.1	0.15	K172G	352.784	42.329	26.349	9.767	0.01742	2.71496	2 X
K16U74P	17.3	0.15	K172G	135.050	38.649	244.242	2.047	0.02609	2.67762	2 X
K16U74W	16.9	0.15	K172G	319.808	254.469	201.556	6.981	0.02418	2.99834	2 X
K16U75H	18.2	0.15	K172G	155.518	213.006	50.447	5.520	0.13619	2.18886	2 X

K16U75K	19.6	0.15	K172G	22.839	28.596	16.950	2.822	0.20460	2.30509	2 X
K16U75L	16.8	0.15	K172G	31.533	150.507	222.820	8.506	0.20842	3.17309	2 X
K16U75N	18.9	0.15	K172G	353.985	89.340	352.748	1.412	0.15162	2.31202	2 X
K16U75P	18.1	0.15	K172G	88.455	359.763	316.779	1.686	0.14429	2.53837	2 X
K16U75Q	19.1	0.15	K172G	31.554	157.672	226.410	2.998	0.28168	2.59149	2 X
K16U75V	17.5	0.15	K172G	33.008	353.995	30.561	3.325	0.14062	2.80732	2 X
K16U76O	16.3	0.15	K172G	61.915	190.155	161.776	10.019	0.08028	3.16574	3 W
K16U76R	17.6	0.15	K172G	77.660	250.504	104.511	3.540	0.12342	2.13958	4 W
K16U77M	18.5	0.15	K172G	314.552	303.650	183.374	2.512	0.14866	2.24463	2 X
K16U77U	17.0	0.15	K172G	170.007	144.947	103.662	1.740	0.01564	2.80742	3 W
K16U77V	16.4	0.15	K172G	328.864	34.967	64.495	3.800	0.18065	3.97436	2 X
K16U77Y	19.2	0.15	K172G	3.967	265.741	167.894	1.074	0.16646	2.36633	2 X
K16U77Z	18.7	0.15	K172G	53.499	180.402	181.183	1.354	0.23239	2.29652	3 W
K16U78C	19.0	0.15	K172G	126.217	263.871	25.527	2.391	0.10941	2.12570	2 X
K16U78G	16.1	0.15	K172G	334.356	199.376	250.545	2.826	0.13899	4.00393	2 X
K16U78J	17.4	0.15	K172G	185.473	83.517	150.491	1.007	0.09636	2.52758	2 W
K16U78L	18.2	0.15	K172G	88.121	152.085	166.052	0.727	0.16903	2.51799	2 X
K16U78Q	17.9	0.15	K172G	122.899	82.284	197.419	1.886	0.18558	2.41350	4 W
K16U78V	18.5	0.15	K172G	32.435	134.987	244.791	1.689	0.31712	2.58549	2 X
K16U79X	15.8	0.15	K172G	4.954	229.399	200.412	13.795	0.27288	3.18358	2 X
K16U80D	15.7	0.15	K172G	221.373	1.985	207.611	22.391	0.08036	3.21900	3 W
K16U80J	16.3	0.15	K172G	63.236	284.329	76.734	10.632	0.11068	3.14905	2 X
K16U80L	16.1	0.15	K172G	23.419	215.159	197.823	8.345	0.11412	3.01485	2 X
K16U80Y	17.7	0.15	K172G	342.635	219.075	228.757	7.108	0.18381	2.99338	2 X
K16U80Z	18.7	0.15	K172G	49.471	134.741	234.113	4.536	0.12522	2.36679	2 X
K16U81E	17.4	0.15	K172G	49.192	8.422	357.003	1.568	0.08393	2.86528	2 X
K16U81H	16.7	0.15	K172G	39.165	170.571	198.764	4.619	0.13372	3.18200	2 X
K16U81K	16.8	0.15	K172G	242.244	42.440	134.563	1.667	0.04277	3.02953	2 X
K16U81M	18.6	0.15	K172G	71.247	139.569	194.510	3.379	0.21553	2.39139	2 X
K16U81N	18.2	0.15	K172G	355.011	242.170	198.953	2.206	0.14356	2.41637	3 W
K16U81O	16.5	0.15	K172G	42.895	155.613	214.870	17.686	0.09323	3.08346	3 W
K16U81Q	16.5	0.15	K172G	76.289	288.833	18.846	6.996	0.24751	3.13314	2 X
K16U81W	17.6	0.15	K172G	66.940	262.467	81.112	1.897	0.08223	2.75960	3 W
K16U82D	16.9	0.15	K172G	172.861	235.607	4.019	3.753	0.04230	2.81722	3 W
K16U82E	17.8	0.15	K172G	62.159	351.107	355.579	2.744	0.10684	2.68018	3 W
K16U82K	17.2	0.15	K172G	345.436	199.973	235.098	5.573	0.03770	2.88899	2 X
K16U82O	17.1	0.15	K172G	154.170	187.470	73.662	1.790	0.02307	2.76645	2 X
K16U82Q	16.7	0.15	K172G	336.234	242.624	208.960	8.107	0.15307	2.92700	5 W
K16U82U	16.8	0.15	K172G	57.053	295.667	41.167	2.454	0.21198	3.09625	3 W
K16U82X	17.9	0.15	K172G	29.034	214.777	170.050	2.164	0.07302	2.84714	2 X
K16U83W	17.0	0.15	K172G	338.570	23.029	59.796	2.742	0.02949	2.79597	3 W
K16U84B	17.4	0.15	K172G	319.601	89.146	38.175	13.442	0.22381	2.63245	2 X
K16U84D	17.3	0.15	K172G	32.110	308.508	71.131	2.543	0.14905	3.07857	2 X
K16U84J	17.1	0.15	K172G	65.472	295.961	49.685	4.293	0.09982	2.79017	2 X
K16U84O	18.7	0.15	K172G	70.416	263.556	76.673	1.583	0.18740	2.31631	2 X
K16U85E	18.2	0.15	K172G	7.242	18.753	41.436	9.396	0.14803	2.73637	2 X
K16U85O	17.0	0.15	K172G	84.514	132.057	203.796	2.077	0.01256	2.77888	3 W
K16U85P	16.7	0.15	K172G	288.424	297.353	204.168	6.555	0.11226	3.19926	2 X
K16U85R	17.0	0.15	K172G	73.349	120.661	206.180	9.012	0.18018	3.01651	2 X
K16U85W	16.5	0.15	K172G	9.871	197.559	211.813	15.129	0.06531	3.17289	2 X
K16U86H	18.0	0.15	K172G	289.779	125.088	23.285	2.919	0.14412	2.31028	2 X
K16U86L	17.6	0.15	K172G	112.081	65.949	228.310	3.134	0.07945	2.76995	2 X
K16U86M	17.5	0.15	K172G	318.630	81.850	22.975	6.197	0.05752	2.65314	2 X
K16U86N	18.7	0.15	K172G	104.870	267.777	30.126	10.405	0.17930	2.29975	2 X
K16U86Q	18.0	0.15	K172G	302.799	103.417	30.568	6.362	0.12945	2.36334	3 W
K16U86Z	17.1	0.15	K172G	0.173	26.838	30.992	1.173	0.12188	3.07592	2 X
K16U87F	17.5	0.15	K172G	68.171	304.638	21.847	7.919	0.22800	2.79580	2 X
K16U87O	17.0	0.15	K172G	171.233	219.480	21.691	7.993	0.14501	2.56850	2 X

K16U87R	17.5	0.15	K172G	57.796	115.237	227.790	0.525	0.15129	3.17417	2 X
K16U87W	19.3	0.15	K172G	42.496	139.536	223.851	7.661	0.26585	2.71790	2 X
K16U88F	18.3	0.15	K172G	345.817	52.125	33.584	7.510	0.04866	2.31005	2 X
K16U88L	16.9	0.15	K172G	105.810	59.668	234.979	3.684	0.17955	2.83666	3 W
K16U88N	17.2	0.15	K172G	117.201	271.067	21.914	3.853	0.11435	2.69694	3 W
K16U88P	16.9	0.15	K172G	106.971	274.571	29.913	2.061	0.07773	2.92020	5 W
K16U88S	18.6	0.15	K172G	17.476	25.548	32.429	5.876	0.19200	2.30643	2 W
K16U88Y	18.3	0.15	K172G	90.613	284.333	36.692	7.455	0.13451	2.34905	2 X
K16U88Z	18.0	0.15	K172G	101.871	264.866	44.370	6.987	0.12171	2.39664	2 X
K16U89D	17.5	0.15	K172G	45.109	323.213	41.787	10.455	0.15183	3.02331	2 X
K16U89H	18.1	0.15	K172G	104.516	324.715	332.544	0.919	0.16900	2.46530	3 W
K16U89M	16.8	0.15	K172G	138.739	48.102	222.465	9.329	0.05766	3.12884	2 X
K16U89N	17.3	0.15	K172G	329.790	82.572	17.153	0.954	0.14352	3.10989	3 W
K16U89S	17.3	0.15	K172G	261.119	311.972	210.625	24.678	0.09557	2.80263	2 X
K16U89V	16.9	0.15	K172G	326.287	110.649	345.399	1.766	0.07667	2.96169	3 W
K16U89X	16.5	0.15	K172G	284.322	98.060	31.180	10.781	0.02534	3.17986	2 X
K16U90D	18.4	0.15	K172G	325.712	258.543	210.934	13.711	0.10696	2.42904	2 X
K16U90K	17.4	0.15	K172G	139.541	243.664	25.755	6.325	0.13715	2.59376	2 X
K16U90L	16.2	0.15	K172G	40.076	147.785	224.488	9.209	0.10457	3.04601	2 X
K16U90Q	20.2	0.15	K172G	48.739	272.862	85.802	1.451	0.29834	2.37436	2 X
K16U90S	16.4	0.15	K172G	127.104	65.943	203.969	8.931	0.18689	3.09882	2 X
K16U90V	17.3	0.15	K172G	49.582	304.820	49.437	2.719	0.11371	3.09720	2 X
K16U90X	16.9	0.15	K172G	341.314	227.149	208.089	6.985	0.04934	3.06707	2 X
K16U90Y	17.1	0.15	K172G	300.394	274.757	210.000	4.252	0.02263	2.52338	4 W
K16U91D	17.0	0.15	K172G	181.184	249.693	339.982	1.672	0.14180	2.93037	2 X
K16U91K	17.9	0.15	K172G	71.630	325.683	24.498	2.217	0.01110	2.67822	2 X
K16U91S	17.3	0.15	K172G	247.197	328.951	210.319	4.863	0.13242	2.60545	4 W
K16U92H	18.6	0.15	K172G	47.027	318.845	42.426	6.062	0.15729	2.70995	2 X
K16U93L	17.5	0.15	K172G	141.735	69.202	205.567	5.462	0.03245	2.76065	2 X
K16U93P	16.6	0.15	K172G	179.667	198.633	40.222	9.839	0.05268	2.69230	3 W
K16U93R	18.4	0.15	K172G	28.237	354.701	39.424	4.650	0.22497	2.53704	2 W
K16U93S	17.3	0.15	K172G	325.374	260.019	212.523	16.456	0.15116	2.65333	2 X
K16U93Y	17.3	0.15	K172G	74.008	123.211	211.193	8.459	0.10714	2.89522	2 X
K16U94M	19.2	0.15	K172G	17.969	2.167	52.312	3.331	0.20435	2.40053	2 X
K16U94U	16.9	0.15	K172G	320.719	245.169	214.706	11.299	0.01043	3.00730	2 X
K16U94X	17.3	0.15	K172G	122.210	257.435	17.704	4.599	0.18999	2.56578	3 W
K16U95F	18.0	0.15	K172G	350.495	221.759	214.498	4.473	0.15102	2.77051	2 X
K16U95Q	17.5	0.15	K172G	49.554	145.664	220.521	6.210	0.07019	2.57925	3 W
K16U96A	17.5	0.15	K172G	216.147	341.319	223.029	5.264	0.06178	2.60521	3 W
K16U96B	17.0	0.15	K172G	147.309	220.723	29.733	15.179	0.25978	2.65256	2 X
K16U96C	18.3	0.15	K172G	207.777	352.889	223.176	6.075	0.10951	2.32240	2 X
K16U96K	17.5	0.15	K172G	89.590	96.343	219.080	4.874	0.11665	2.75538	2 X
K16U96L	18.4	0.15	K172G	28.778	160.785	226.854	4.406	0.17107	2.73631	2 W
K16U97J	17.6	0.15	K172G	341.268	214.677	231.716	4.517	0.07286	2.65547	2 X
K16U97M	18.4	0.15	K172G	50.948	142.267	218.571	8.065	0.17895	2.57483	2 X
K16U97Q	17.6	0.15	K172G	262.887	304.430	224.611	7.485	0.07506	2.42187	3 W
K16U97Y	17.2	0.15	K172G	84.015	291.371	33.331	6.271	0.12891	2.66122	3 W
K16U98E	17.7	0.15	K172G	275.631	148.530	1.430	2.153	0.02604	2.71185	2 X
K16U98P	17.3	0.15	K172G	248.477	330.069	201.841	5.938	0.05970	2.69904	4 W
K16U98Q	18.3	0.15	K172G	22.949	336.770	57.500	3.538	0.14225	2.73585	2 X
K16U98S	17.9	0.15	K172G	59.748	303.409	47.102	3.588	0.10728	2.74174	2 X
K16U98Y	17.9	0.15	K172G	103.516	85.629	215.044	11.067	0.16846	2.64249	2 X
K16U99A	18.1	0.15	K172G	165.020	206.468	52.995	3.102	0.06090	2.29473	4 W
K16U99B	17.7	0.15	K172G	108.448	251.633	42.549	11.719	0.17363	2.72435	2 X
K16U99R	17.6	0.15	K172G	240.880	321.555	225.976	7.984	0.07275	2.62168	2 X
K16U99W	17.5	0.15	K172G	85.216	340.941	343.149	1.280	0.07018	2.84772	2 X
K16UA0B	18.5	0.15	K172G	52.856	140.526	208.258	4.917	0.23739	2.60002	2 X
K16UA0F	18.0	0.15	K172G	46.503	323.719	45.322	7.349	0.03737	2.69516	2 X

K16UA0H	16.7	0.15	K172G	175.244	28.014	208.476	18.185	0.14780	2.64677	3	W
K16UA0T	19.2	0.15	K172G	321.295	238.284	267.235	13.447	0.19535	1.85347	2	X
K16UA1B	18.5	0.15	K172G	274.072	259.636	274.722	19.160	0.05924	1.89753	2	X
K16UA2G	17.2	0.15	K172G	76.303	272.914	48.297	2.515	0.18779	3.08121	2	X
K16UA2N	16.9	0.15	K172G	152.130	227.046	32.071	5.217	0.11613	2.78280	3	W
K16UA2S	17.1	0.15	K172G	351.807	263.089	164.553	0.911	0.13280	3.14537	2	X
K16UA3N	17.8	0.15	K172G	32.518	253.034	134.000	1.727	0.03905	2.72442	2	X
K16UA3Q	17.6	0.15	K172G	156.587	138.454	114.965	1.609	0.19528	2.42026	4	W
K16UA3U	18.6	0.15	K172G	36.864	166.013	204.051	1.520	0.23364	3.08094	2	X
K16UA4J	17.6	0.15	K172G	286.234	133.720	11.312	2.590	0.13377	2.67194	2	X
K16UA4Q	18.6	0.15	K172G	106.909	52.644	246.824	1.961	0.17156	2.31044	2	X
K16UA5C	18.1	0.15	K172G	263.157	298.856	234.625	3.422	0.09184	2.29227	2	X
K16UA5L	16.8	0.15	K172G	150.906	14.008	246.861	3.161	0.06994	2.77747	4	W
K16UA5S	18.5	0.15	K172G	76.161	94.006	241.043	5.840	0.16226	2.15825	2	X
K16UA5V	16.9	0.15	K172G	151.162	309.797	305.740	1.696	0.13406	2.54942	3	W
K16UA6F	17.3	0.15	K172G	72.379	303.303	29.519	9.303	0.09878	3.17453	2	X
K16UA7N	16.7	0.15	K172G	91.766	60.828	249.279	0.545	0.09685	2.96270	3	W
K16UA7O	16.0	0.15	K172G	330.559	32.066	64.565	3.989	0.21044	3.97096	3	W
K16UA8F	17.7	0.15	K172G	17.444	32.639	5.530	1.796	0.06981	2.86000	2	X
K16UA9D	16.4	0.15	K172G	9.832	195.304	213.244	8.852	0.06950	3.11358	4	W
K16UA9G	17.1	0.15	K172G	64.111	120.296	216.058	15.348	0.12712	3.02109	2	X
K16UB0F	18.0	0.15	K172G	354.844	87.209	342.331	1.352	0.09155	2.92183	2	X
K16UB0G	16.9	0.15	K172G	296.064	266.580	218.980	21.618	0.02350	2.68159	2	X
K16UB0Y	18.5	0.15	K172G	80.806	90.756	235.899	1.154	0.10013	2.62208	2	X
K16UB1B	17.8	0.15	K172G	298.315	234.915	258.105	2.425	0.11371	2.67661	3	W
K16UB1Q	16.9	0.15	K172G	110.791	224.009	73.203	2.090	0.07458	3.15682	2	X
K16UB1U	16.6	0.15	K172G	283.640	283.943	227.204	3.171	0.14730	2.79770	3	W
K16UB1Y	17.7	0.15	K172G	106.902	282.631	10.656	1.951	0.23746	2.40181	2	X
K16UB2P	19.1	0.15	K172G	319.875	96.904	22.469	1.605	0.12973	2.32331	2	X
K16UB2Y	17.9	0.15	K172G	144.211	25.566	240.850	1.873	0.15878	2.44416	2	X
K16UB5G	17.4	0.15	K172G	10.563	185.657	216.909	9.086	0.10808	3.16496	2	X
K16UB6G	17.0	0.15	K172G	322.063	54.952	37.925	9.817	0.02749	2.97052	2	X
K16UB6O	16.8	0.15	K172G	281.304	287.903	218.542	3.849	0.11139	3.14965	2	X
K16UB7E	19.3	0.15	K172G	18.577	206.942	199.522	1.829	0.21329	2.70199	2	X
K16UB7L	19.0	0.15	K172G	109.419	72.640	224.770	6.271	0.15844	2.23669	2	X
K16UB7M	17.3	0.15	K172G	90.012	92.481	224.211	4.954	0.07668	2.80790	2	W
K16UB7Y	18.3	0.15	K172G	314.719	147.295	338.425	1.641	0.15756	2.44199	3	W
K16UB8K	17.0	0.15	K172G	143.703	256.520	13.220	2.829	0.09346	2.76244	3	W
K16UB8L	17.5	0.15	K172G	11.591	4.867	38.360	11.094	0.10557	2.97208	3	W
K16UB8W	16.8	0.15	K172G	303.951	79.688	31.130	14.162	0.02011	3.07267	2	X
K16UB9A	17.9	0.15	K172G	43.932	26.266	347.108	1.492	0.07306	2.88345	2	X
K16UB9F	17.1	0.15	K172G	113.310	251.017	42.850	6.299	0.05243	2.91881	3	W
K16UB9L	17.7	0.15	K172G	324.710	283.972	170.961	2.147	0.01744	2.86529	2	X
K16UB9T	17.3	0.15	K172G	97.366	264.184	37.777	11.318	0.11876	3.20701	2	X
K16UC1Q	17.1	0.15	K172G	42.560	313.611	52.708	2.950	0.05644	3.25330	2	X
K16UC2M	16.8	0.15	K172G	84.342	296.212	24.582	9.896	0.06819	2.97819	2	X
K16UC2T	16.8	0.15	K172G	195.391	5.328	220.983	11.300	0.13390	2.60438	3	W
K16UC2U	17.8	0.15	K172G	204.590	186.799	32.805	5.254	0.06117	2.44934	2	X
K16UC2Y	17.9	0.15	K172G	13.694	176.893	226.352	3.952	0.07238	2.75968	2	X
K16UC3D	16.9	0.15	K172G	302.524	80.734	39.591	10.861	0.07376	3.02053	2	X
K16UC3F	18.2	0.15	K172G	100.492	247.408	51.303	3.298	0.20976	2.57453	2	X
K16UC3P	17.2	0.15	K172G	120.069	38.505	250.630	1.844	0.07197	3.01181	2	X
K16UC3Z	17.5	0.15	K172G	96.911	22.887	293.377	4.906	0.11861	2.43944	2	X
K16UC4C	18.0	0.15	K172G	331.446	72.756	40.504	8.506	0.09044	2.24865	2	X
K16UC4F	16.1	0.15	K172G	7.832	35.612	28.106	10.758	0.23255	3.14506	3	W
K16UC4V	17.7	0.15	K172G	76.250	318.809	15.033	3.752	0.10236	2.78535	2	X
K16UC4X	18.2	0.15	K172G	51.505	306.122	47.638	3.017	0.22489	2.62949	2	X
K16UC5C	16.8	0.15	K172G	88.669	88.312	226.863	6.762	0.11077	3.11392	3	W

K16UC5E	17.2	0.15	K172G	87.877	116.283	208.694	3.768	0.07240	2.77606	3 W
K16UC5U	17.2	0.15	K172G	91.151	305.988	10.609	1.834	0.05581	2.93182	2 X
K16UC6M	19.5	0.15	K172G	33.378	4.851	17.250	5.264	0.25009	2.53845	2 X
K16UC7R	18.3	0.15	K172G	118.856	266.993	18.321	2.598	0.15729	2.43019	3 W
K16UC7Z	17.8	0.15	K172G	113.828	57.562	236.557	1.899	0.13666	2.59211	2 X
K16UD0A	16.1	0.15	K172G	342.189	229.266	208.216	15.587	0.05834	3.17426	3 W
K16UD0M	15.9	0.15	K172G	37.604	339.405	35.327	4.975	0.07168	3.47955	3 W
K16UD0R	16.7	0.15	K172G	37.073	341.743	34.883	8.770	0.08524	3.13388	3 W
K16UD1F	18.7	0.15	K172G	49.647	343.105	18.668	6.566	0.10261	2.69975	2 X
K16UD4P	17.1	0.15	K172G	287.178	286.272	218.323	13.008	0.16673	3.12969	2 X
K16UD5H	16.7	0.15	K172G	15.934	152.396	253.261	12.709	0.24832	2.69397	2 X
K16UD5K	17.2	0.15	K172G	0.819	42.468	14.636	14.194	0.12481	3.00463	2 X
K16UD5L	19.7	0.15	K172G	20.677	59.019	348.155	2.271	0.20710	2.17573	2 X
K16UD5N	18.4	0.15	K172G	66.526	282.216	74.552	5.641	0.18592	2.14741	2 X
K16UD6K	17.5	0.15	K172G	31.018	222.645	177.293	4.466	0.17282	2.41947	3 W
K16UD6R	18.3	0.15	K172G	50.793	267.905	103.243	3.047	0.21072	2.34589	2 X
K16UD6U	17.5	0.15	K172G	86.967	173.605	145.186	3.640	0.24288	2.42534	3 W
K16UD7V	17.3	0.15	K172G	94.498	270.469	50.744	6.483	0.02880	2.77451	2 X
K16UD8E	17.9	0.15	K172G	25.796	292.897	92.006	1.771	0.18595	2.97749	2 X
K16UD8O	16.5	0.15	K172G	100.331	294.217	18.570	4.037	0.11762	2.61307	3 W
K16UD8W	17.4	0.15	K172G	56.721	234.166	114.739	14.351	0.22606	2.71149	3 W
K16UD8X	17.3	0.15	K172G	329.767	351.715	129.053	14.210	0.21839	2.54783	2 X
K16UD9D	15.9	0.15	K172G	27.956	137.581	248.839	26.808	0.22611	3.19550	2 X
K16UD9E	18.1	0.15	K172G	30.589	36.708	345.612	13.760	0.29550	3.16828	2 X
K16UD9N	16.9	0.15	K172G	52.647	234.528	122.835	10.772	0.13401	3.02180	3 W
K16UE0U	17.9	0.15	K172G	330.019	284.969	186.347	20.363	0.02839	2.03835	3 W
K16UE0Y	16.1	0.15	K172G	321.043	351.813	132.099	15.232	0.21290	3.02653	2 X
K16UE1C	16.7	0.15	K172G	44.180	288.652	93.025	14.013	0.07455	2.51697	2 X
K16UE1M	16.8	0.15	K172G	88.283	223.555	81.735	18.907	0.28494	2.67519	2 X
K16UE1Q	16.7	0.15	K172G	26.673	167.160	244.654	24.090	0.27071	2.42713	2 X
K16UE1T	18.9	0.15	K172G	20.799	3.521	47.851	6.424	0.13846	2.25215	2 X
K16UE2L	16.1	0.15	K172G	318.525	230.424	232.494	25.885	0.18698	3.14325	2 X
K16UE2M	16.4	0.15	K172G	111.234	307.807	331.765	11.320	0.18615	2.67183	4 W
K16UE2P	16.4	0.15	K172G	22.144	94.219	287.690	9.239	0.08365	3.22672	2 X
K16UE2Q	18.5	0.15	K172G	27.479	68.265	323.543	8.028	0.18183	2.39436	2 X
K16UE2R	16.5	0.15	K172G	129.874	356.907	271.504	9.916	0.07714	3.04099	2 X
K16UE2T	16.7	0.15	K172G	327.847	175.123	256.947	12.534	0.13000	2.58991	2 X
K16UE2Z	16.3	0.15	K172G	316.226	253.889	192.727	11.100	0.07691	3.22012	3 W
K16UE3D	17.8	0.15	K172G	12.095	192.551	211.882	9.759	0.27664	2.71086	2 X
K16UE3E	16.6	0.15	K172G	332.032	70.618	8.133	4.729	0.14461	3.19601	2 X
K16UE3N	16.3	0.15	K172G	33.490	345.907	14.966	12.794	0.12252	3.17617	2 X
K16UE3S	18.9	0.15	K172G	19.030	197.111	206.262	5.663	0.20640	2.29869	2 X
K16UE4D	16.7	0.15	K172G	93.520	96.535	211.061	9.039	0.08479	3.16076	2 X
K16UE4F	17.9	0.15	K172G	301.247	132.591	343.852	4.952	0.05628	2.17496	3 W
K16UE4P	17.2	0.15	K172G	76.604	109.840	201.294	13.651	0.13712	2.66363	2 X
K16UE5C	17.0	0.15	K172G	113.101	285.087	354.295	4.045	0.06446	2.77566	2 X
K16UE5K	16.1	0.15	K172G	343.953	341.980	115.619	16.785	0.20392	2.97611	2 X
K16UE5N	17.4	0.15	K172G	14.743	28.735	30.378	13.925	0.25748	2.64687	2 X
K16UE5Q	17.6	0.15	K172G	48.638	311.766	38.533	16.299	0.28613	2.66585	2 X
K16UE5R	16.1	0.15	K172G	299.180	86.639	28.410	9.598	0.03419	3.16778	2 X
K16UE5Y	17.8	0.15	K172G	80.049	5.675	331.547	4.822	0.12852	2.27685	2 X
K16UE6B	17.1	0.15	K172G	16.498	70.729	341.979	2.435	0.08565	2.76075	2 X
K16UE6F	17.2	0.15	K172G	32.158	221.011	171.377	1.526	0.22634	2.98222	2 X
K16UE6J	15.9	0.15	K172G	300.433	266.881	233.979	11.208	0.04258	3.02106	2 X
K16UE6M	17.4	0.15	K172G	79.736	58.066	281.886	6.267	0.07345	2.64301	2 X
K16UE6O	16.0	0.15	K172G	34.497	58.710	325.137	9.231	0.12367	3.10539	3 W
K16UE6R	17.1	0.15	K172G	25.558	71.991	318.295	6.141	0.28632	3.08015	2 X
K16UE6U	16.7	0.15	K172G	44.270	83.165	285.445	8.502	0.13491	3.01885	2 X

K16UE6X	15.6	0.15	K172G	45.106	115.835	251.213	14.829	0.12638	3.08364	3 W
K16UE6Y	16.9	0.15	K172G	110.918	13.003	288.991	8.485	0.12102	2.54209	2 X
K16UE7G	15.6	0.15	K172G	8.971	155.906	260.114	15.944	0.17392	3.12777	2 X
K16UE7J	16.7	0.15	K172G	21.867	53.337	352.868	14.365	0.13544	2.54872	2 X
K16UE7K	16.0	0.15	K172G	29.274	107.267	273.888	14.141	0.23737	3.15566	2 X
K16V00C	17.7	0.15	K172G	77.342	242.066	93.450	9.113	0.26281	2.22792	2 X
K16V00E	18.1	0.15	K172G	325.182	237.581	248.037	23.695	0.08269	1.80765	3 W
K16V00L	17.6	0.15	K172G	355.358	78.930	345.687	28.000	0.35728	2.59214	2 X
K16V01D	18.0	0.15	K172G	193.623	327.752	274.118	18.072	0.06344	1.89774	2 X
K16V02C	18.2	0.15	K172G	111.029	82.756	245.827	18.860	0.11047	1.86441	2 X
K16V04S	17.0	0.15	K172G	115.066	315.961	353.451	16.896	0.31894	2.53678	2 X
K16V04T	18.0	0.15	K172G	48.351	101.285	293.998	28.013	0.33875	2.57358	2 X
K16V06B	17.7	0.15	K172G	99.547	206.612	117.004	9.099	0.24930	2.21608	4 W
K16V06E	18.4	0.15	K172G	1.335	86.907	55.341	23.471	0.40277	2.28363	2 X
K16V06L	17.8	0.15	K172G	26.894	223.496	171.554	2.653	0.21331	2.57004	2 X
K16V06O	16.5	0.15	K172G	48.386	218.826	148.484	13.827	0.17646	2.58579	2 X
K16V06Q	15.8	0.15	K172G	53.952	313.557	82.002	14.460	0.23981	2.98402	3 W
K16V07A	17.7	0.15	K172G	116.325	213.620	75.762	2.982	0.18681	2.63455	3 W
K16V07E	19.6	0.15	K172G	357.731	239.250	203.857	5.971	0.09428	2.20904	2 X
K16V07H	17.9	0.15	K172G	31.066	251.981	138.498	2.656	0.08839	2.90050	2 X
K16V07R	17.5	0.15	K172G	349.887	234.062	205.078	5.255	0.14445	3.23320	2 X
K16V07W	17.6	0.15	K172G	50.228	294.621	131.649	5.336	0.15752	2.28357	3 W
K16V08G	17.6	0.15	K172G	355.475	63.050	26.613	22.341	0.20889	2.27238	2 W
K16V08L	16.7	0.15	K172G	25.119	26.085	25.205	9.478	0.14185	2.80185	2 X
K16V08T	18.9	0.15	K172G	32.766	209.107	184.397	1.583	0.18503	2.47373	2 X
K16V08V	18.0	0.15	K172G	29.606	323.719	69.985	5.163	0.10865	2.77010	2 X
K16V08W	17.6	0.15	K172G	60.240	216.577	147.937	2.109	0.04193	2.60950	3 W
K16V09B	17.5	0.15	K172G	55.287	290.795	70.701	2.992	0.09943	2.92413	2 X
K16V09H	16.9	0.15	K172G	43.197	322.873	44.733	12.974	0.19687	3.08941	3 W
K16V09L	16.8	0.15	K172G	51.328	324.651	40.973	14.224	0.18645	2.60886	2 X
K16V09N	18.0	0.15	K172G	44.847	322.427	51.692	3.176	0.25182	2.41782	2 X
K16V09T	16.7	0.15	K172G	49.307	312.990	43.606	18.076	0.24060	3.12112	2 X
K16V09U	18.7	0.15	K172G	42.285	133.805	237.415	3.726	0.31349	2.55224	2 X
K16V10D	19.5	0.15	K172G	349.541	295.386	160.451	1.468	0.13071	2.20164	2 X
K16V10P	18.4	0.15	K172G	8.810	218.954	210.131	5.951	0.15617	2.36408	2 X
K16V10Q	17.7	0.15	K172G	359.865	355.652	74.564	3.306	0.05954	2.60052	2 X
K16V10W	16.9	0.15	K172G	27.654	211.986	195.366	1.534	0.09951	2.81834	2 X
K16V11E	16.3	0.15	K172G	333.057	301.551	162.632	12.997	0.15364	3.12013	2 X
K16V11J	15.9	0.15	K172G	313.696	110.751	26.503	13.172	0.22656	3.10438	3 W
K16V11L	19.6	0.15	K172G	50.132	209.598	158.671	1.146	0.23385	2.32758	2 X
K16V11M	17.7	0.15	K172G	39.397	309.713	71.564	3.060	0.08852	2.87220	2 X
K16V11N	18.7	0.15	K172G	42.805	310.621	56.947	10.430	0.26710	2.71915	2 X
K16V12C	18.1	0.15	K172G	333.902	227.430	247.474	19.026	0.10750	1.94620	3 W
K16V12J	17.4	0.15	K172G	70.833	136.609	201.323	1.897	0.19419	2.59020	3 W
K16V12W	17.9	0.15	K172G	359.926	228.091	201.298	4.704	0.14263	3.06292	2 X
K16V13H	17.5	0.15	K172G	80.904	114.388	207.383	7.224	0.21265	2.75988	2 W
K16V13S	19.9	0.15	K172G	33.609	204.945	191.669	1.712	0.15134	2.31462	2 X
K16V14C	18.6	0.15	K172G	40.768	159.858	226.031	22.922	0.23313	2.29376	2 X
K16V14D	16.5	0.15	K172G	61.851	63.499	306.208	11.148	0.02280	2.57785	2 X
K16V14N	17.4	0.15	K172G	313.927	24.685	95.343	2.983	0.09726	3.01213	2 X
K16V14U	17.1	0.15	K172G	1.029	145.353	286.663	3.401	0.06740	2.67439	2 X
K16V14W	18.1	0.15	K172G	9.647	125.026	303.588	12.285	0.25155	2.58417	2 X
K16V14Z	17.5	0.15	K172G	30.586	343.093	67.608	7.008	0.15173	2.27034	2 X
K16V15A	16.8	0.15	K172G	353.856	82.122	358.391	21.824	0.08443	2.66343	2 X
K16V15B	15.6	0.15	K172G	48.842	297.375	75.204	18.618	0.19985	3.06462	2 X
K16V15D	16.9	0.15	K172G	357.400	84.518	349.725	11.783	0.07906	2.58015	3 W
K16V15F	16.3	0.15	K172G	78.184	335.186	351.375	14.876	0.22713	2.56331	2 X
K16V15G	17.3	0.15	K172G	353.571	115.876	329.730	12.354	0.16387	2.62583	2 X

K16V15J	16.7	0.15	K172G	1.655	160.540	266.793	20.940	0.16389	3.01617	2 X
K16V15R	16.8	0.15	K172G	51.745	308.963	55.338	6.514	0.08808	2.68933	2 X
K16V15X	15.2	0.15	K172G	78.242	97.513	232.982	25.594	0.13466	3.09695	2 X
K16V16F	17.4	0.15	K172G	31.957	100.264	298.523	4.374	0.16168	2.34439	2 X
K16V16Q	17.4	0.15	K172G	68.299	261.136	40.179	23.691	0.44064	3.13827	2 X
K16V16U	18.6	0.15	K172G	153.086	79.565	211.290	21.635	0.06058	1.87726	2 X
K16V17F	16.6	0.15	K172G	58.342	235.258	116.425	8.767	0.21931	3.09627	3 W
K16V17R	17.6	0.15	K172G	106.755	163.736	158.268	2.969	0.11502	2.43201	2 X
K16W00A	18.2	0.15	K172G	322.455	242.859	251.608	19.629	0.08799	1.87870	2 X
K16W00N	18.1	0.15	K172G	324.524	103.738	28.692	22.707	0.10565	1.85802	2 W
K16W01K	16.8	0.15	K172G	359.054	129.787	266.391	31.077	0.19038	2.60701	2 X
K16W02E	16.1	0.15	K172G	14.319	262.817	155.101	14.415	0.07868	2.66619	2 X
K16W02G	18.1	0.15	K172G	2.493	12.368	77.966	24.051	0.09385	1.96800	2 X
K16W02M	15.6	0.15	K172G	70.508	246.693	86.913	12.942	0.16915	3.02984	2 X
K16W03C	18.1	0.15	K172G	101.070	258.656	89.080	24.110	0.08450	1.86640	2 X
K16W03O	17.9	0.15	K172G	37.735	334.662	81.762	24.712	0.08455	1.93399	2 X
K16W03Y	18.0	0.15	K172G	341.052	230.255	236.330	6.727	0.14748	2.29772	4 W
K16W04B	16.3	0.15	K172G	330.731	66.858	30.525	11.877	0.03883	3.00356	3 W
K16W04D	17.9	0.15	K172G	50.249	1.724	1.717	3.291	0.23309	2.58574	2 X
K16W04E	17.0	0.15	K172G	39.965	13.023	0.446	3.899	0.21867	2.96881	2 X
K16W04H	17.4	0.15	K172G	115.588	101.108	205.936	4.979	0.17521	2.23933	2 X
K16W04K	18.5	0.15	K172G	37.073	213.565	181.367	2.302	0.22035	2.39896	2 X
K16W04R	16.4	0.15	K172G	268.115	317.339	235.853	22.828	0.23314	2.40086	3 W
K16W04W	17.9	0.15	K172G	1.286	24.785	57.437	4.312	0.12464	2.56910	2 X
K16W04Y	17.3	0.15	K172G	18.686	162.677	251.465	4.936	0.18486	2.98330	2 X
K16W05L	16.5	0.15	K172G	334.104	239.228	227.720	10.622	0.07290	3.07169	2 X
K16W05N	18.1	0.15	K172G	24.531	318.764	99.328	2.555	0.17565	2.34444	2 X
K16W05Q	17.3	0.15	K172G	58.510	122.060	232.311	10.801	0.28314	2.59952	3 W
K16W05V	17.3	0.15	K172G	69.846	291.388	65.261	5.031	0.11606	2.75902	2 X
K16W05Y	15.9	0.15	K172G	40.787	151.533	235.989	9.413	0.11455	3.15496	2 X
K16W06P	18.7	0.15	K172G	43.832	329.670	59.407	8.397	0.25189	2.23812	2 X
K16W06Q	18.3	0.15	K172G	40.446	328.387	60.011	2.288	0.22108	2.62839	2 X
K16W06W	16.4	0.15	K172G	359.717	30.583	50.059	11.029	0.10981	3.01820	3 W
K16W07X	18.8	0.15	K172G	158.592	80.019	216.363	19.169	0.05339	1.84762	3 X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K16O00N	19.2	0.15	K172G	40.739	339.852	14.995	7.674	0.48704	2.27490	124 X	
K16Q00D	19.0	0.15	K172G	55.711	348.503	17.308	11.608	0.38987	1.96964	102 X	
K16R18B	22.0	0.15	K172G	37.942	147.110	204.659	9.351	0.53616	2.49375	83 X	
K16S01V	21.8	0.15	K172G	94.759	180.349	163.803	21.081	0.20266	1.48653	67 X	
K16T17K	23.3	0.15	K172G	28.115	190.357	199.016	11.639	0.52433	2.49423	53 X	
K16T55X	20.0	0.15	K172G	65.607	164.072	198.163	22.875	0.39054	1.72890	50 X	
K16T92S	20.0	0.15	K172G	72.554	9.622	278.048	14.843	0.59824	2.04875	39 X	
K16T93B	22.3	0.15	K172G	38.278	236.250	188.227	16.548	0.23375	1.43420	53 X	
K16U00A	20.8	0.15	K172G	355.819	282.822	291.828	9.862	0.51719	0.75420	40 X	
K16U41L	22.8	0.15	K172G	76.626	127.260	223.604	13.975	0.26563	1.61588	34 X	
K16U80U	20.6	0.15	K172G	7.578	330.147	142.992	7.896	0.56414	2.43916	30 X	
K16V02E	19.4	0.15	K172G	56.382	285.764	38.715	19.755	0.42704	2.19048	23 X	
K16V02T	18.1	0.15	K172G	358.329	184.740	324.361	22.749	0.67422	2.37342	16 X	
K16V03U	20.6	0.15	K172G	9.828	339.674	164.511	10.116	0.65839	1.97598	22 X	
K16V03Z	21.7	0.15	K172G	61.782	359.649	51.238	39.551	0.17443	1.31619	43 X	
K16V04N	20.6	0.15	K172G	90.233	6.504	294.406	12.315	0.66812	1.60458	21 X	
K16W00G	23.3	0.15	K172G	14.399	231.578	294.621	0.220	0.74152	1.82806	7 W	
K16W00P	21.8	0.15	K172G	34.859	127.561	242.415	6.635	0.57527	2.27218	10 X	
K16W01E	19.3	0.15	K172G	335.914	266.498	229.197	5.565	0.35432	2.00217	10 X	
K16W01H	25.1	0.15	K172G	17.976	3.880	70.497	3.282	0.59017	2.53402	21 X	
K16W01J	21.4	0.15	K172G	5.432	87.696	82.044	2.897	0.50462	1.34193	9 X	

K16W01N	25.3	0.15	K172G	43.427	114.700	234.331	3.135	0.61830	2.11125	8	X
K16W02A	22.9	0.15	K172G	156.085	251.055	52.351	35.131	0.22261	1.12928	8	W
K16W03D	24.2	0.15	K172G	13.454	93.021	41.550	6.858	0.46305	1.56343	5	X
K16W03Q	28.6	0.15	K172G	4.210	104.531	48.117	0.629	0.12232	1.01600	5	X
K16W03R	21.8	0.15	K172G	8.154	236.364	234.044	20.821	0.47276	2.25640	5	X
K16W07F	28.6	0.15	K172G	217.201	208.661	76.224	0.646	0.23767	0.87323	3	W
K16W07G	25.8	0.15	K172G	353.640	113.743	67.344	4.530	0.21900	0.95394	7	X
K16W07T	25.9	0.15	K172G	111.347	141.197	243.189	6.231	0.04503	1.04138	2	X
K16W07Y	22.6	0.15	K172G	3.759	96.703	52.116	15.557	0.23354	1.12065	51	W
K16W07Z	22.9	0.15	K172G	55.185	128.910	260.174	4.461	0.34942	1.57942	111	X
K16W08A	24.7	0.15	K172G	21.706	55.577	63.621	20.715	0.37953	1.43238	13	X
K16W08B	25.8	0.15	K172G	13.859	71.522	72.505	6.671	0.29074	1.17880	3	X
K16W08C	24.0	0.15	K172G	18.296	233.924	238.589	11.230	0.48244	1.73719	2	W

New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K16N15O	18.8	0.15	K1699	8.416	11.738	307.981	18.482	0.49331	2.76695	145	X
K16R16W	17.7	0.15	K169T	10.084	140.581	207.628	13.008	0.31548	2.61429	83	X
K16S12O	17.5	0.15	K169T	7.366	218.758	144.584	4.399	0.24879	2.58225	117	X
K16T13E	17.2	0.15	K16AJ	1.391	174.833	197.288	14.057	0.20679	2.65114	55	X
K16U07J	17.5	0.15	K169T	357.190	253.076	127.203	5.188	0.26719	2.63621	117	X
K16W06T	15.8	0.15	K16B8	48.960	283.125	55.022	27.952	0.10312	3.10274	6	X
K16W08D	18.5	0.15	K16B8	352.280	118.455	286.055	4.348	0.35769	2.57470	3	X

New observations:

K03W21U	KC2016	11	23.07094	02	52	05.49	+35	16	07.9	17.2	VUEW105W25
K03W21U	KC2016	11	23.09301	02	51	25.44	+35	20	35.5	17.4	VUEW105W25
K05T00F	KC2016	11	23.07854	04	18	07.12	+46	10	51.1	16.0	VUEW105W25
K05T00F	KC2016	11	23.09545	04	18	15.21	+46	11	55.2	15.9	VUEW105W25
K05T00F	C2016	11	26.77027	04	50	49.82	+49	22	31.9	15.9	RuEW105107
K05T00F	C2016	11	26.77271	04	50	51.19	+49	22	39.3	15.8	RuEW105107
K05T00F	C2016	11	26.77542	04	50	52.67	+49	22	47.4	15.8	RuEW105107
K05T00F	C2016	11	26.77813	04	50	54.15	+49	22	55.6	16.0	RuEW105107
K05T00F	KC2016	11	27.39620	04	56	27.09	+49	50	09.9	15.9	VUEW105W25
K05T00F	KC2016	11	27.43758	04	56	49.21	+49	51	41.9	16.0	VUEW105W25
K06U00M	KC2016	11	26.80168	02	32	56.64	+21	39	03.4	15.6	RuEW105107
K06U00M	KC2016	11	26.80662	02	32	55.60	+21	39	26.5	15.6	RuEW105107
K06U00M	KC2016	11	26.81155	02	32	54.56	+21	39	49.2	15.8	RuEW105107
K06U00M	KC2016	11	26.81649	02	32	53.52	+21	40	12.1	15.8	RuEW105107
K06U00M	KC2016	11	27.08433	02	31	59.83	+22	00	57.7	16.5	VqEW105W34
K06U00M	KC2016	11	27.09122	02	31	58.35	+22	01	29.8	16.3	VqEW105W34
K06U00M	KC2016	11	27.10179	02	31	56.06	+22	02	19.3	16.4	VqEW105W34
K06U00M	KC2016	11	27.11329	02	31	53.50	+22	03	13.5	16.3	VqEW105W34
K06U00M	KC2016	11	27.11992	02	31	52.15	+22	03	43.2	16.3	VqEW105W34
K06U00M	KC2016	11	27.12654	02	31	50.67	+22	04	15.1	16.3	VqEW105W34
K06U00M	KC2016	11	27.13230	02	31	49.40	+22	04	41.8	16.4	VqEW105W34
K06U00M	KC2016	11	27.13334	02	31	49.19	+22	04	46.4	16.4	VqEW105W34
K11Q96P	C2016	11	27.87300	10	29	07.20	-00	41	36.4	19.9	RqEW105D29
K11Q96P	C2016	11	27.88626	10	29	10.36	-00	41	42.2	19.9	RqEW105D29
K11UJ2X	C2016	11	26.24786	22	53	09.570	+26	07	56.06	20.9	wLEW105F51
K11UJ2X	C2016	11	26.26062	22	53	11.193	+26	07	30.73	21.0	wLEW105F51
K11UJ2X	C2016	11	26.27339	22	53	12.893	+26	07	04.85	21.1	wLEW105F51
K11UJ2X	C2016	11	26.28622	22	53	14.556	+26	06	38.45	21.2	wLEW105F51
K12U34A	C2016	11	26.29166	23	07	01.425	+19	40	35.60	20.1	wLEW105F51
K12U34A	C2016	11	26.30333	23	07	02.784	+19	40	28.34	19.9	wLEW105F51
K13TD5T	C2013	10	02.47274	01	20	06.770	+49	20	04.07	19.2	LEW105F51
K13TD5T	C2013	10	05.44267	01	14	07.917	+44	32	32.00	19.3	LEW105F51
K13Y38B	KC2016	11	05.23317803	26	06.54	+29	48	11.5	22.1	VuEW105H21	

K13Y38B KC2016 11 05.24754603 26 05.46 +29 48 04.5	22.0 VuEW105H21
K13Y38B KC2016 11 05.26521603 26 04.14 +29 47 55.9	21.8 VuEW105H21
K15XQ1F 6C2016 11 25.42689 08 30 05.08 +14 39 46.5	22.1 RoEW105290
K15XQ1F 6C2016 11 25.45806 08 29 50.83 +14 40 26.5	22.3 RoEW105290
K15XQ1F 6C2016 11 25.49051 08 29 35.94 +14 41 07.4	22.2 RoEW105290
K16L08M C2016 11 27.87919 10 02 55.32 -00 32 01.6	18.7 RqEW105D29
K16L08M C2016 11 27.89244 10 02 54.62 -00 31 34.0	19.6 RqEW105D29
K16L08M C2016 11 27.90570 10 02 53.98 -00 31 07.2	19.5 RqEW105D29
K16O00N KC2016 11 22.09994 00 07 03.43 +12 14 39.3	19.2 UEW105H21
K16O00N KC2016 11 22.10317 00 07 03.93 +12 14 44.3	19.2 UEW105H21
K16O00N KC2016 11 22.10640 00 07 04.43 +12 14 49.0	19.2 UEW105H21
K16O00N KC2016 11 22.10962 00 07 04.93 +12 14 53.5	19.5 UEW105H21
K16Q00D KC2016 11 27.70659 03 42 25.64 +48 34 27.4	18.6 RqEW105K65
K16Q00D KC2016 11 27.72158 03 42 24.42 +48 34 28.1	18.6 RqEW105K65
K16Q00D KC2016 11 27.73658 03 42 23.22 +48 34 28.9	18.7 RqEW105K65
K16R18B C2016 11 28.12116 01 52 35.77 -01 28 31.3	22.5 VuEW105807
K16R18B C2016 11 28.13303 01 52 36.93 -01 28 28.3	22.4 VuEW105807
K16R18B C2016 11 28.14464 01 52 38.02 -01 28 24.6	22.4 VuEW105807
K16S01V C2016 11 28.21020 02 56 25.71 -39 50 10.4	22.9 VuEW105807
K16S01V C2016 11 28.22469 02 56 25.51 -39 49 53.3	23.0 VuEW105807
K16S01V C2016 11 28.23958 02 56 25.30 -39 49 36.0	22.9 VuEW105807
K16T17K C2016 11 28.18730 02 37 05.95 -15 43 27.4	22.9 VuEW105807
K16T17K C2016 11 28.20155 02 37 08.03 -15 43 22.3	22.8 VuEW105807
K16T17K C2016 11 28.21671 02 37 10.21 -15 43 16.9	22.9 VuEW105807
K16T55X C2016 11 28.17848 05 13 39.04 -36 50 36.0	20.2 VuEW105807
K16T55X C2016 11 28.17953 05 13 38.95 -36 50 36.0	20.0 VuEW105807
K16T55X C2016 11 28.18109 05 13 38.83 -36 50 36.2	20.1 VuEW105807
K16T92S KC2016 11 17.04702100 51 53.26 +33 58 39.4	22.3 VuEW105H21
K16T92S KC2016 11 17.06362400 51 53.43 +33 58 15.0	22.1 VuEW105H21
K16T92S KC2016 11 17.08222400 51 53.63 +33 57 47.7	22.0 VuEW105H21
K16T93B C2016 11 28.07932 00 22 41.67 -38 11 32.1	22.5 VuEW105807
K16T93B C2016 11 28.08910 00 22 43.51 -38 11 34.4	22.4 VuEW105807
K16T93B C2016 11 28.09889 00 22 45.36 -38 11 37.0	22.5 VuEW105807
K16U00A HC2016 11 22.05790 22 34 22.83 +41 50 31.9	UEW105H21
K16U00A HC2016 11 22.06543 22 34 21.65 +41 49 54.1	19.8 UEW105H21
K16U00A KC2016 11 22.07208 22 34 20.60 +41 49 19.7	19.5 UEW105H21
K16U41L C2016 11 28.12228 01 38 26.55 +02 12 05.3	23.0 VuEW105807
K16U41L C2016 11 28.13681 01 38 27.83 +02 11 51.9	23.0 VuEW105807
K16U41L C2016 11 28.15170 01 38 29.15 +02 11 38.0	23.1 VuEW105807
K16U80U C2016 11 28.16815 03 27 36.24 -16 33 43.9	19.8 VuEW105807
K16U80U C2016 11 28.16933 03 27 36.23 -16 33 45.2	19.9 VuEW105807
K16U80U C2016 11 28.17063 03 27 36.19 -16 33 46.8	19.9 VuEW105807
K16V02E C2016 11 28.07572 00 24 23.50 +02 33 08.4	21.4 VuEW105807
K16V02E C2016 11 28.07947 00 24 23.68 +02 33 14.2	21.5 VuEW105807
K16V02E C2016 11 28.08333 00 24 23.84 +02 33 20.9	21.5 VuEW105807
K16V02T KC2016 11 22.08135 23 16 27.55 +51 00 54.8	19.7 UEW105H21
K16V02T KC2016 11 22.08789 23 16 26.67 +51 00 48.5	19.5 UEW105H21
K16V02T KC2016 11 22.09444 23 16 25.73 +51 00 42.6	20.0 UEW105H21
K16V03U KC2016 11 27.52154 01 40 12.90 -45 53 29.0	20.2 RtEW105474
K16V03U KC2016 11 27.52390 01 40 11.96 -45 53 41.9	20.6 RtEW105474
K16V03U KC2016 11 27.52626 01 40 11.05 -45 53 55.2	20.2 RtEW105474
K16V03U KC2016 11 27.52862 01 40 10.16 -45 54 07.3	20.4 RtEW105474
K16V03U C2016 11 28.17223 01 35 55.21 -46 53 13.2	19.7 VuEW105807
K16V03U C2016 11 28.17327 01 35 54.76 -46 53 18.8	19.6 VuEW105807
K16V03U C2016 11 28.17484 01 35 54.10 -46 53 27.3	19.6 VuEW105807
K16V03Z KC2016 11 22.11865 00 36 53.90 +50 08 10.6	19.2 UEW105H21
K16V03Z KC2016 11 22.12217 00 36 50.47 +50 08 33.4	19.6 UEW105H21
K16V03Z KC2016 11 22.12570 00 36 46.98 +50 08 56.2	18.9 UEW105H21

K16V04N KC2016 11 27.99437405 34 21.779+43 32 28.56	20.7 RqEW105J04
K16V04N KC2016 11 28.00324405 34 19.559+43 32 21.29	20.3 RqEW105J04
K16V04N IC2016 11 28.01211505 34 17.321+43 32 14.04	qEW105J04
K16W00G KC2016 11 23.07437 03 24 12.15 +23 31 11.3	16.4 VUEW105W25
K16W00G KC2016 11 23.08971 03 23 48.94 +23 31 20.8	16.4 VUEW105W25
K16W00G KC2016 11 23.10315 03 23 28.27 +23 31 28.8	16.3 VUEW105W25
K16W00P C2016 11 28.02143 00 50 41.60 +08 13 51.3	20.0 VuEW105807
K16W00P C2016 11 28.02587 00 50 44.19 +08 13 54.4	20.1 VuEW105807
K16W00P C2016 11 28.03047 00 50 46.86 +08 13 57.5	20.0 VuEW105807
K16W01E KC2016 11 27.84242701 13 18.294+08 51 57.45	20.8 RUEW105J04
K16W01E KC2016 11 27.85013701 13 18.099+08 51 53.85	20.9 RUEW105J04
K16W01E KC2016 11 27.85784701 13 17.864+08 51 50.59	20.5 RUEW105J04
K16W01H KC2016 11 27.98228305 27 22.502+19 25 16.37	19.5 GUEW105J04
K16W01H KC2016 11 27.98507205 27 25.074+19 25 31.05	19.3 GUEW105J04
K16W01J C2016 11 27.83891 04 05 31.00 +14 41 45.5	17.4 RqEW105K74
K16W01J C2016 11 27.84266 04 05 29.98 +14 41 43.4	18.2 RqEW105K74
K16W01J KC2016 11 27.84873 04 05 28.36 +14 41 39.0	18.2 RqEW105K74
K16W01J C2016 11 27.85020 04 05 27.99 +14 41 37.6	18.0 RqEW105K74
K16W01J QC2016 11 28.16291 04 04 08.80 +14 38 11.2	18.3 VqEW105H06
K16W01J QC2016 11 28.17078 04 04 06.65 +14 38 06.1	18.5 VqEW105H06
K16W01J QC2016 11 28.18826 04 04 01.82 +14 37 54.4	18.5 VqEW105H06
K16W01J QC2016 11 28.19699 04 03 59.41 +14 37 48.3	18.0 VqEW105H06
K16W01N C2016 11 23.40730802 56 19.252+13 23 10.72	21.8 GUEW105T12
K16W01N C2016 11 23.40910902 56 19.955+13 23 12.04	21.4 GUEW105T12
K16W01N C2016 11 23.40998602 56 20.297+13 23 12.64	21.3 GUEW105T12
K16W01N C2016 11 24.47494303 03 11.507+13 34 45.62	21.9 GUEW105T12
K16W01N C2016 11 24.47605003 03 11.866+13 34 46.28	21.6 GUEW105T12
K16W01N C2016 11 24.47804703 03 12.530+13 34 47.24	21.8 GUEW105T12
K16W02A KC2016 11 26.89130100 59 04.162+21 50 55.23	21.5 RUEW105J04
K16W02A KC2016 11 26.90174500 59 01.858+21 51 45.04	21.5 RUEW105J04
K16W02A KC2016 11 26.91228000 58 59.602+21 52 35.10	21.4 RUEW105J04
K16W03D KC2016 11 27.86451401 57 47.527+46 47 12.95	20.4 GUEW105J04
K16W03D KC2016 11 27.87333501 57 40.615+46 48 24.28	20.6 GUEW105J04
K16W03Q KC2016 11 27.97578504 21 27.576+37 55 19.58	18.5 GUEW105J04
K16W03Q KC2016 11 27.97770504 21 26.115+37 56 05.28	18.5 GUEW105J04
K16W03Q KC2016 11 27.97962504 21 24.661+37 56 51.15	18.4 GUEW105J04
K16W03R C2016 11 28.18696 04 10 49.04 +04 25 05.9	21.3 VuEW105807
K16W03R C2016 11 28.18983 04 10 48.99 +04 24 54.0	21.1 VuEW105807
K16W03R C2016 11 28.19218 04 10 48.95 +04 24 44.1	20.9 VuEW105807
K16W07F KC2016 11 26.97313602 56 50.702+10 10 27.15	20.6 GUEW105J04
K16W07G C2016 11 27.84432 04 09 10.15 +12 03 30.2	18.7 RqEW105K74
K16W07G KC2016 11 27.84453 04 09 09.85 +12 03 31.6	17.6 RqEW105K74
K16W07G C2016 11 27.84475 04 09 09.52 +12 03 33.1	17.8 RqEW105K74
K16W07G KC2016 11 27.85403 04 08 56.13 +12 04 41.3	17.4 RqEW105K74
K16W07G C2016 11 27.85468 04 08 55.19 +12 04 46.5	17.5 RqEW105K74
K16W07T KC2016 11 27.11959 01 01 59.41 +03 46 48.2	19.6 RqEW105H36
K16W07T KC2016 11 27.12847 01 02 04.76 +03 45 07.6	20.1 RqEW105H36
K16W07T KC2016 11 27.13777 01 02 10.41 +03 43 20.2	19.7 RqEW105H36
K16W07T KC2016 11 27.14297 01 02 13.63 +03 42 21.5	19.6 RqEW105H36
K16W07T KC2016 11 27.14816 01 02 16.71 +03 41 23.6	20.0 RqEW105H36
K16W07Z C2016 11 27.71249 01 18 23.37 +23 03 30.0	18.9 VSEW105033
K16W07Z C2016 11 27.71486 01 18 24.61 +23 03 28.5	18.9 VSEW105033
K16W07Z C2016 11 27.71722 01 18 25.85 +23 03 27.0	18.9 VSEW105033
K16W07Z C2016 11 27.78469 01 19 01.04 +23 02 43.5	19.4 VSEW105033
K16W07Z C2016 11 27.78942 01 19 03.51 +23 02 40.3	19.5 VSEW105033
K16W07Z KC2016 11 27.85009 01 19 34.82 +23 01 56.0	19.6 RSEW105B15
K16W07Z KC2016 11 27.85234 01 19 35.99 +23 01 54.4	19.4 RSEW105B15
K16W07Z KC2016 11 27.85688 01 19 38.35 +23 01 51.4	19.5 RSEW105B15

K16W08A	C2016 11 27.68948 01 16 19.18 +35 47 51.4	18.0 VSEW105033
K16W08A	C2016 11 27.69023 01 16 16.02 +35 48 36.5	17.9 VSEW105033
K16W08A	C2016 11 27.69097 01 16 12.93 +35 49 20.3	18.2 VSEW105033
K16W08A	C2016 11 27.76249 01 11 05.82 +36 59 59.0	18.1 VSEW105033
K16W08A	C2016 11 27.76323 01 11 02.51 +37 00 43.5	18.1 VSEW105033
K16W08A	C2016 11 27.76398 01 10 59.28 +37 01 26.7	18.2 VSEW105033
K16W08A	C2016 11 27.76472 01 10 56.00 +37 02 10.7	18.2 VSEW105033
K16W08A	C2016 11 27.76546 01 10 52.73 +37 02 54.6	18.1 VSEW105033
K16W08A	C2016 11 27.86266 01 03 35.14 +38 37 01.9	18.2 VSEW105033
K16W08A	C2016 11 27.86340 01 03 31.75 +38 37 44.1	18.8 VSEW105033
K16W08B	KC2016 11 27.96111403 39 23.536-03 56 29.57	19.4 GUEW105J04
K16W08B	KC2016 11 27.96355203 39 22.292-03 56 29.61	19.6 GUEW105J04
K16W08B	KC2016 11 27.96599103 39 21.075-03 56 29.70	19.6 GUEW105J04
00433	C2016 11 27.72063 21 52 45.49 +00 14 44.3	13.3 VqEW105L23
00433	C2016 11 27.72138 21 52 45.59 +00 14 44.5	13.2 VqEW105L23
00433	C2016 11 27.72176 21 52 45.61 +00 14 44.7	13.3 VqEW105L23
00433	C2016 11 27.72213 21 52 45.63 +00 14 45.0	13.2 VqEW105L23
00433	C2016 11 27.72287 21 52 45.72 +00 14 45.2	13.3 VqEW105L23
00433	C2016 11 27.72325 21 52 45.78 +00 14 45.3	13.2 VqEW105L23
00433	C2016 11 27.72362 21 52 45.84 +00 14 45.2	13.2 VqEW105L23
00433	C2016 11 27.72438 21 52 45.87 +00 14 45.7	13.2 VqEW105L23
00433	C2016 11 27.72475 21 52 45.92 +00 14 46.1	13.2 VqEW105L23
00433	C2016 11 27.72513 21 52 46.01 +00 14 46.2	13.2 VqEW105L23
00433	C2016 11 27.72550 21 52 46.01 +00 14 46.5	13.2 VqEW105L23
00433	C2016 11 27.72588 21 52 46.03 +00 14 46.5	13.3 VqEW105L23
00433	C2016 11 27.72625 21 52 46.09 +00 14 47.0	13.3 VqEW105L23
00433	C2016 11 27.72662 21 52 46.11 +00 14 46.9	13.2 VqEW105L23
00433	C2016 11 27.72700 21 52 46.19 +00 14 47.3	13.3 VqEW105L23
01943	C2016 11 26.96705 00 38 04.10 +11 54 25.4	17.9 RoEW105Z22
01943	C2016 11 26.98272 00 38 04.15 +11 54 16.9	18.0 RoEW105Z22
03691	KC2016 11 27.15959 04 16 52.37 +56 57 33.8	18.0 VqEW105W34
03691	KC2016 11 27.16205 04 16 52.02 +56 57 33.9	18.1 VqEW105W34
03691	KC2016 11 27.16463 04 16 51.31 +56 57 34.5	18.0 VqEW105W34
20460	C2016 11 27.87477 10 16 45.42 -03 33 17.2	18.3 RqEW105D29
20460	C2016 11 27.88802 10 16 46.88 -03 33 50.6	18.2 RqEW105D29
20460	C2016 11 27.90128 10 16 48.30 -03 34 23.9	18.1 RqEW105D29
24445	KC2016 10 28.76474 19 21 41.38 -01 18 40.1	17.4 RqEW105160
24445	KC2016 10 28.76668 19 21 41.52 -01 18 41.4	17.3 RqEW105160
24445	KC2016 10 28.76863 19 21 41.62 -01 18 42.9	16.6 RqEW105160
40329	C2016 11 26.42981 23 48 51.91 -01 21 38.7	19.2 RqEW105D29
40329	C2016 11 26.44395 23 48 53.63 -01 21 30.0	19.8 RqEW105D29
40329	C2016 11 26.45809 23 48 55.46 -01 21 19.9	19.6 RqEW105D29
90075	C2016 11 27.87123 10 11 32.25 +00 33 07.2	19.3 RqEW105D29
90075	C2016 11 27.88449 10 11 33.07 +00 32 58.3	20.1 RqEW105D29
90075	C2016 11 27.89775 10 11 33.83 +00 32 51.8	19.8 RqEW105D29
96189	C2016 11 26.29942 23 55 43.942+20 41 42.44	20.3 wLEW105F51
96189	C2016 11 26.31108 23 55 44.063+20 41 36.37	20.2 wLEW105F51
D7032	KC2016 10 28.81344 20 35 54.04 -02 15 25.5	17.5 RqEW105160
D7032	KC2016 10 28.81495 20 35 54.67 -02 15 21.4	16.9 RqEW105160
D7032	KC2016 10 28.81638 20 35 55.22 -02 15 17.6	16.4 RqEW105160
G2269	KC2016 10 28.77865 19 32 09.25 -03 30 09.4	16.9 RqEW105160
G2269	KC2016 10 28.78014 19 32 08.75 -03 30 23.1	16.8 RqEW105160
G2269	KC2016 10 28.78162 19 32 08.20 -03 30 38.0	16.8 RqEW105160
G3249	5C2016 11 27.02834 23 14 44.88 -16 21 04.3	18.6 VqEW105W88
G3249	5C2016 11 27.03508 23 14 47.63 -16 20 53.7	18.4 VqEW105W88
G3249	5C2016 11 27.04202 23 14 50.43 -16 20 42.7	18.5 VqEW105W88
G3249	5C2016 11 27.05275 23 14 54.76 -16 20 26.0	18.8 VqEW105W88
G3249	5C2016 11 27.06644 23 15 00.34 -16 20 04.7	18.3 VqEW105W88

K3217	KC2016 11 26.95131 04 49 59.92 +12 15 24.3	17.9 RuEW105107
K3217	KC2016 11 26.95865 04 49 59.64 +12 15 20.6	18.1 RuEW105107
K3217	KC2016 11 26.96599 04 49 59.35 +12 15 17.0	18.0 RuEW105107
M0124	C2016 11 26.20263 23 01 37.874-45 02 47.60	20.2 wLEW105F51
M0124	C2016 11 26.21053 23 01 38.114-45 02 59.41	20.1 wLEW105F51
M0124	C2016 11 26.22639 23 01 38.523-45 03 23.14	20.0 wLEW105F51
R5611	KC2016 11 23.08156 02 57 16.62 +53 04 21.3	16.6 VUEW105W25
R5611	KC2016 11 23.09814 02 57 15.42 +53 04 22.5	16.1 VUEW105W25
h3953	KC2016 11 27.18270 06 11 57.84 +32 56 55.9	15.7 VqEW105W34
h3953	KC2016 11 27.18765 06 11 54.65 +32 56 13.9	15.8 VqEW105W34
h3953	KC2016 11 27.19057 06 11 52.76 +32 55 49.1	15.8 VqEW105W34
h3953	KC2016 11 27.20002 06 11 46.65 +32 54 29.5	15.9 VqEW105W34
h3953	KC2016 11 27.20222 06 11 45.33 +32 54 11.0	15.7 VqEW105W34
h3953	KC2016 11 27.20491 06 11 43.55 +32 53 47.4	15.8 VqEW105W34
h3953	KC2016 11 27.21082 06 11 39.81 +32 52 58.3	15.9 VqEW105W34
h3953	KC2016 11 27.21245 06 11 38.70 +32 52 44.2	15.8 VqEW105W34
h3953	KC2016 11 27.21471 06 11 37.23 +32 52 24.9	15.9 VqEW105W34
l0510	C2016 11 27.43385 23 22 20.37 +46 26 23.5	18.9 RqEW105D29
l0510	C2016 11 27.44799 23 22 23.46 +46 26 28.3	18.8 RqEW105D29
l0510	C2016 11 27.46213 23 22 26.60 +46 26 33.4	19.0 RqEW105D29
l4179	C2016 11 27.20972 22 27 10.222+00 03 44.04	19.1 wLEW105F51
l4179	C2016 11 27.23134 22 27 09.598+00 04 58.34	19.2 wLEW105F51
l4179	C2016 11 27.24215 22 27 09.298+00 05 35.87	19.2 wLEW105F51
l4425	C2016 11 27.59906 09 34 37.582+51 21 26.30	20.2 wLEW105F51
l4425	C2016 11 27.62570 09 34 46.541+51 22 38.76	20.3 wLEW105F51
l6187	KC2016 10 30.39768106 07 26.54 -00 47 54.6	22.3 VuEW105H21
l6187	KC2016 10 30.41098106 07 26.07 -00 48 19.3	22.3 VuEW105H21
l6187	KC2016 10 30.42254706 07 25.69 -00 48 40.9	22.1 VuEW105H21

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