

XRT Timeline to be uploaded on 2014/10/09

Period: 2014/10/09 08:54:00 - 2014/10/14 10:49:00

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Normal mode

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XOB #19E3: AR Standard-A(Filter-Ratio with Al/poly and thin-Be) with PFB, 384x384 at 1064 1048, thin-Be, thick-Al, and Al/Poly context, with G-band (33m)

Term	Pointing (x, y)	Comment
10/09 09:21:00 - 10/09 11:59:54	Fixed (900.0, -200.0)	# OP start + 10min, HOP265 (limb, fix pointing)
10/10 08:21:00 - 10/10 11:59:54	Fixed (900.0, -200.0)	HOP265 (limb, fix pointing)

PROG= 12 Inf.-time(s)												
Subr=	1	1-time(s)	2.0sec									
Seqn=	8	2-time(s)	2.0sec									
	Open/G-band	Open/G-band	close	Safe	Norm	44ms	Obs	1x1	384x384	(1064, 1048)	DPCM	0 0 2.0sec
Subr=	2	2-time(s)	2.0sec									
Seqn=	24	1-time(s)	2.0sec									
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384	(1064, 1048)	Q=98	0 0 2.0sec
	Open/G-band	Open/G-band	open	Safe	Norm	32ms	Obs	1x1	384x384	(1064, 1048)	Q=98	0 0 2.0sec
Seqn=	42	4-time(s)	2.0sec									
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	3 0 2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	5.66s	Obs	1x1	512x512	(1064, 1048)	Q=95	3 0 2.0sec
	Open/thick-Al	Open/thick-Al	close	Safe	Norm	16.0s	Obs	1x1	384x384	(1064, 1048)	Q=95	3 0 2.0sec
Seqn=	62	15-time(s)	120.0sec									
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384	(1064, 1048)	Q=95	3 0 2.0sec
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	3 0 2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384	(1064, 1048)	Q=95	3 1 2.0sec
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	3 1 2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384	(1064, 1048)	Q=95	3 2 2.0sec
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	3 2 2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

XOB #1A4D: AR - Standard Core - (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 384x384 at 1064 1048, thin-Be, and Al/Poly context, with

Term	Pointing (x, y)	Comment
10/09 12:03:00 - 10/09 17:40:00	Track (-236.7, 88.6) @ 10/09 12:00:00	track new AR (15UT- HOP263)

PROG= 17 Inf.-time(s)												
Subr=	1	1-time(s)	2.0sec									
Seqn=	8	2-time(s)	2.0sec									
	Open/G-band	Open/G-band	close	Safe	Norm	44ms	Obs	1x1	384x384	(1064, 1048)	DPCM	0 0 2.0sec
Subr=	2	1-time(s)	2.0sec									
Seqn=	24	1-time(s)	2.0sec									
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384	(1064, 1048)	Q=98	0 0 2.0sec
	Open/G-band	Open/G-band	open	Safe	Norm	32ms	Obs	1x1	384x384	(1064, 1048)	Q=98	0 0 2.0sec
Seqn=	89	1-time(s)	2.0sec									
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	2 0 2.0sec
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	3 0 2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	5.66s	Obs	1x1	384x384	(1064, 1048)	Q=95	2 0 2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	5.66s	Obs	1x1	384x384	(1064, 1048)	Q=95	3 0 2.0sec
Seqn=	82	4-time(s)	180.0sec									
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384	(1064, 1048)	Q=95	1 0 2.0sec
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	1 0 2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384	(1064, 1048)	Q=95	1 1 2.0sec
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	1 1 2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384	(1064, 1048)	Q=95	1 2 2.0sec
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	1 2 2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

XOB #1A4B: Synoptic Q95 2x2 - Al/mesh(16/128/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Ti-poly(33/512/2048) + TH

Term	Pointing (x, y)	Comment
10/09 18:06:30 - 10/09 18:13:24	Fixed (0.0, 0.0)	synoptic, shifted 3.5 min
10/10 05:53:00 - 10/10 05:59:54	Fixed (0.0, 0.0)	synoptic, shifted -10.0 min
10/10 17:55:30 - 10/10 18:02:24	Fixed (0.0, 0.0)	synoptic, shifted -7.5 min
10/11 06:03:00 - 10/11 06:09:54	Fixed (0.0, 0.0)	synoptic

PROG= 07 1-time(s)												
Subr=	1	1-time(s)	12.0sec									
Seqn=	61	1-time(s)	4.0sec									
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	16ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0 0 2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0 0 2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	1.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0 0 2.0sec
Seqn=	5	1-time(s)	2.0sec									
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0 0 2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	4x4	2048x2048	(1024, 1024)	Q=98	0 0 2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	8x8	2048x2048	(1024, 1024)	Q=98	0 0 2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	2048x512	(1024, 1024)	DPCM	0 0 2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	512x2048	(1024, 1024)	DPCM	0 0 2.0sec
Seqn=	80	1-time(s)	4.0sec									
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	32ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0 0 2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0 0 2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	2.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0 0 2.0sec

Seqn= 54	1-time(s)	2.0sec																	
thin-Be/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec							
thin-Be/Open	thin-Be/Open	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec							
thin-Be/Open	thin-Be/Open	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec							
Seqn= 6	1-time(s)	2.0sec																	
Open/G-band	Open/G-band	open	Safe	Norm	8ms	Obs	2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec							
Open/G-band	Open/G-band	close	Safe	Norm	32ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec							
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval								

XOB #1A4F: Coronal Cavity (2 filters) - HOP264 with ARs - DPCM 2x2 - 768FOV - 60s cad - AEC0 with light leak																			
Term		Pointing (x, y)						Comment											
10/09 18:16:30 - 10/09 21:59:54		Fixed (760.0, -544.8)						HOP264											
10/10 18:05:30 - 10/10 21:30:00		Fixed (760.0, -544.8)						HOP264											
PROG= 14 Inf.-time(s)																			
Subr= 1 1-time(s) 2.0sec																			
Seqn= 47 1-time(s) 2.0sec																			
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	768x768 (1064, 1048)	Q=90	0	0	2.0sec							
Seqn= 13 1-time(s) 2.0sec																			
Open/G-band	Open/G-band	close	Safe	Norm	63ms	Obs	1x1	768x768 (1064, 1048)	DPCM	0	0	2.0sec							
Subr= 2 1-time(s) 2.0sec																			
Seqn= 45 60-time(s) 60.0sec																			
Al-poly/Open	Al-poly/Open	close	Safe	Norm	4.00s	Obs	2x2	768x768 (1064, 1048)	DPCM	0	0	2.0sec							
thin-Be/Open	thin-Be/Open	close	Safe	Norm	8.00s	Obs	2x2	768x768 (1064, 1048)	DPCM	0	0	2.0sec							
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval								

XOB #1A4E: Prominence-Coronal Cavity System and Magnetic Flux Emergence for Disk Filament																			
Term		Pointing (x, y)						Comment											
10/09 22:03:00 - 10/10 01:59:54		Track (501.3, -549.9) @ 10/09 22:00:00						HOP269											
10/10 22:03:00 - 10/11 01:59:54		Track (635.6, -535.4) @ 10/10 22:00:00						HOP269											
PROG= 16 Inf.-time(s)																			
Subr= 1 1-time(s) 2.0sec																			
Seqn= 8 2-time(s) 2.0sec																			
Open/G-band	Open/G-band	close	Safe	Norm	44ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec							
Subr= 2 1-time(s) 2.0sec																			
Seqn= 24 1-time(s) 2.0sec																			
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec							
Open/G-band	Open/G-band	open	Safe	Norm	32ms	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec							
Seqn= 55 60-time(s) 60.0sec																			
Al-poly/Open	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	2	0	2.0sec							
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval								

XOB #19E6: AR Standard-A(Filter-Ratio with Al/poly and thin-Be) with PFB, 384x384 at 1064 1048, thin-Be, thick-Al, and Al/Poly context, with G-band (33ms)																			
Term		Pointing (x, y)						Comment											
10/10 02:03:00 - 10/10 05:49:54		Track (-111.4, 86.7) @ 10/10 02:00:00						track new AR											
10/10 06:03:00 - 10/10 07:57:54		Track (-75.1, 86.5) @ 10/10 06:00:00						track new AR											
10/11 02:28:00 - 10/11 05:59:54		Track (107.0, 87.7) @ 10/11 02:00:00						track new AR											
10/11 06:13:00 - 10/11 10:55:00		Track (144.7, 88.5) @ 10/11 06:10:00						track new AR											
PROG= 13 Inf.-time(s)																			
Subr= 1 1-time(s) 2.0sec																			
Seqn= 8 2-time(s) 2.0sec																			
Open/G-band	Open/G-band	close	Safe	Norm	44ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec							
Subr= 2 2-time(s) 2.0sec																			
Seqn= 24 1-time(s) 2.0sec																			
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec							
Open/G-band	Open/G-band	open	Safe	Norm	32ms	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec							
Seqn= 42 4-time(s) 2.0sec																			
Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec							
thin-Be/Open	med-Be/Open	close	Safe	Norm	5.66s	Obs	1x1	512x512 (1064, 1048)	Q=95	3	0	2.0sec							
Open/thick-Al	Open/thick-Al	close	Safe	Norm	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec							
Seqn= 62 8-time(s) 270.0sec																			
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec							
Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec							
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec							
Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec							
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec							
Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec							
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval								

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Flare mode

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XOB #19EC: Flare - high cad multifilter (Be/thin, Be/med, Al/thick), AEC 3, 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512x512 2x2) + Gband (43ms)																			
Term		Pointing (x, y)						Comment											
10/09 09:21:00 - 10/09 11:59:54		Fixed (900.0, -200.0)						# OP start + 10min, HOP265 (limb, fix pointing)											
10/10 02:03:00 - 10/10 05:49:54		Track (-111.4, 86.7) @ 10/10 02:00:00						track new AR											
10/10 06:03:00 - 10/10 07:57:54		Track (-75.1, 86.5) @ 10/10 06:00:00						track new AR											
10/10 08:21:00 - 10/10 11:59:54		Fixed (900.0, -200.0)						HOP265 (limb, fix pointing)											

10/11 02:28:00 - 10/11 05:59:54 Track (107.0, 87.7) @ 10/11 02:00:00 track new AR
 10/11 06:13:00 - 10/11 10:55:00 Track (144.7, 88.5) @ 10/11 06:10:00 track new AR

PROG= 01 30-time(s)														
Subr= 1		30-time(s)		2.0sec										
Seqn= 26		1-time(s)		4.0sec										
thin-Be/Open	med-Be/Open	close	Safe	Norm	8ms	Obs	1x1	384x384	(1024, 1024)	Q=95	3	0	2.0sec	
med-Be/Open	Open/thick-Al	close	Safe	Norm	250ms	Obs	1x1	384x384	(1024, 1024)	Q=95	3	0	2.0sec	
Open/thick-Al	Open/thick-Be	close	Safe	Norm	1.00s	Obs	1x1	384x384	(1024, 1024)	Q=95	3	0	2.0sec	
Subr= 2		1-time(s)		2.0sec										
Seqn= 10		1-time(s)		2.0sec										
med-Al/Open	med-Al/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384	(1024, 1024)	Q=95	3	0	2.0sec	
Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384	(1024, 1024)	Q=95	3	0	2.0sec	
Seqn= 11		1-time(s)		2.0sec										
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	125ms	Obs	2x2	512x512	(1024, 1024)	Q=95	2	0	2.0sec	
Seqn= 15		1-time(s)		2.0sec										
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	384x384	(1024, 1024)	Q=98	0	0	2.0sec	
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384	(1024, 1024)	Q=98	0	0	2.0sec	
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	2x2	512x512	(1024, 1024)	Q=98	0	0	2.0sec	
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)		Comp.	AEC Buffer	Interval		

XOB #1A4C: Flare - Standard Core - (thin-be, med-be) - AEC1 - 384x384 - Q95 - + Gband (45ms) + Darks

Term Pointing (x, y) Comment
 10/09 12:03:00 - 10/09 17:40:00 Track (-236.7, 88.6) @ 10/09 12:00:00 track new AR (15UT- HOP263)

PROG= 15 Inf.-time(s)														
Subr= 1		1-time(s)		2.0sec										
Seqn= 18		15-time(s)		20.0sec										
thin-Be/Open	thin-Be/thick-Be	close	Safe	Norm	125ms	Obs	1x1	384x384	(1024, 1024)	Q=95	1	0	2.0sec	
med-Be/Open	med-Be/thick-Al	close	Safe	Norm	354ms	Obs	1x1	384x384	(1024, 1024)	Q=95	1	0	2.0sec	
Seqn= 15		1-time(s)		4.0sec										
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	384x384	(1024, 1024)	Q=98	0	0	2.0sec	
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384	(1024, 1024)	Q=98	0	0	2.0sec	
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	2x2	512x512	(1024, 1024)	Q=98	0	0	2.0sec	
Subr= 2		8-time(s)		2.0sec										
Seqn= 64		15-time(s)		60.0sec										
thin-Be/Open	thin-Be/thick-Be	close	Safe	Norm	16ms	Obs	1x1	384x384	(1024, 1024)	Q=95	1	0	2.0sec	
med-Be/Open	med-Be/thick-Al	close	Safe	Norm	63ms	Obs	1x1	384x384	(1024, 1024)	Q=95	1	0	2.0sec	
Seqn= 15		1-time(s)		4.0sec										
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	384x384	(1024, 1024)	Q=98	0	0	2.0sec	
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384	(1024, 1024)	Q=98	0	0	2.0sec	
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	2x2	512x512	(1024, 1024)	Q=98	0	0	2.0sec	
Subr= 3		25-time(s)		2.0sec										
Seqn= 18		1-time(s)		600.0sec										
thin-Be/Open	thin-Be/thick-Be	close	Safe	Norm	125ms	Obs	1x1	384x384	(1024, 1024)	Q=95	1	0	2.0sec	
med-Be/Open	med-Be/thick-Al	close	Safe	Norm	354ms	Obs	1x1	384x384	(1024, 1024)	Q=95	1	0	2.0sec	
Seqn= 15		1-time(s)		4.0sec										
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	384x384	(1024, 1024)	Q=98	0	0	2.0sec	
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384	(1024, 1024)	Q=98	0	0	2.0sec	
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	2x2	512x512	(1024, 1024)	Q=98	0	0	2.0sec	
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)		Comp.	AEC Buffer	Interval		

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Active Region Search

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NOT USED

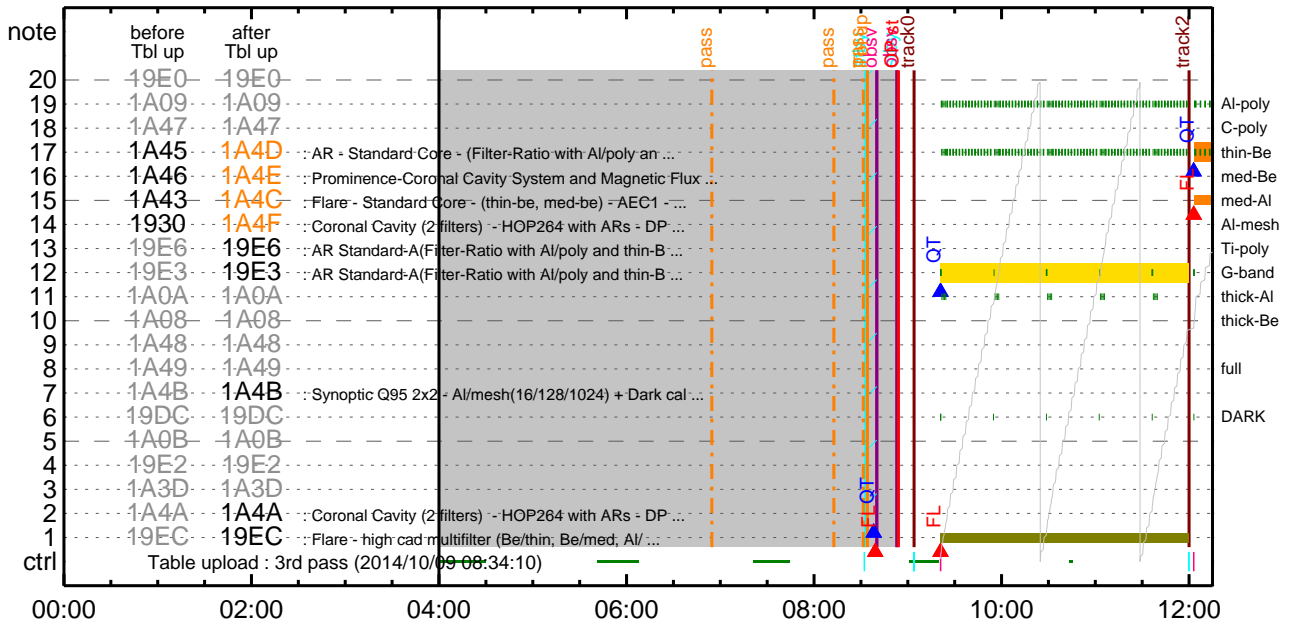
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Flare Detection

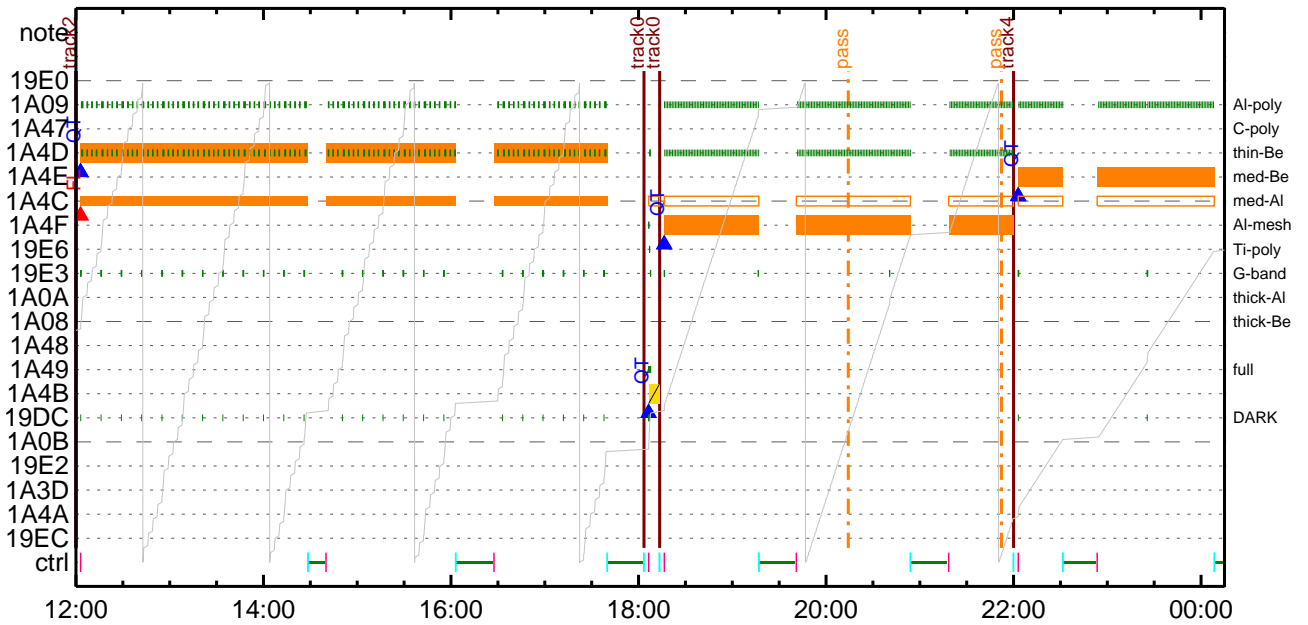
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FLD Patrol												
Term		Pointing (x, y)								Comment		
10/09 09:04:18 - 10/09 18:03:48		Fixed (900.0, -200.0)		# OP start + 10min, HOP265 (limb, fix pointing)								
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	8ms	Obs	8x8			Q=50	30sec	
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)		Comp.	AEC Buffer	Interval

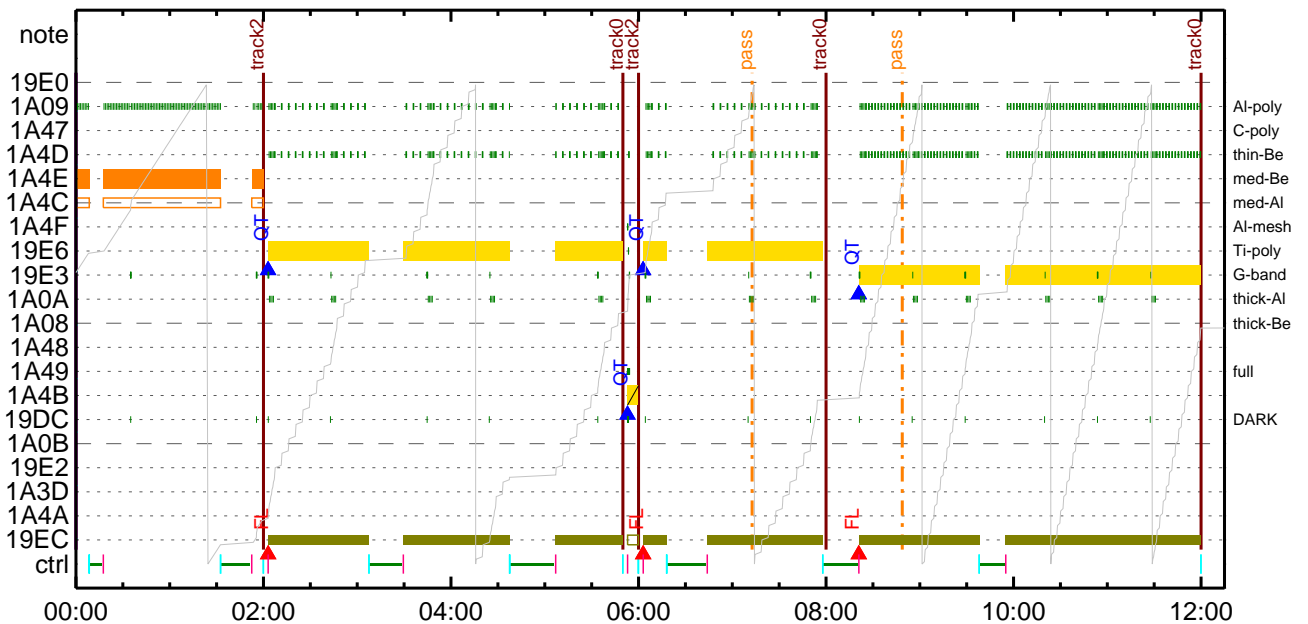
CMDI #0625 2014/10/09



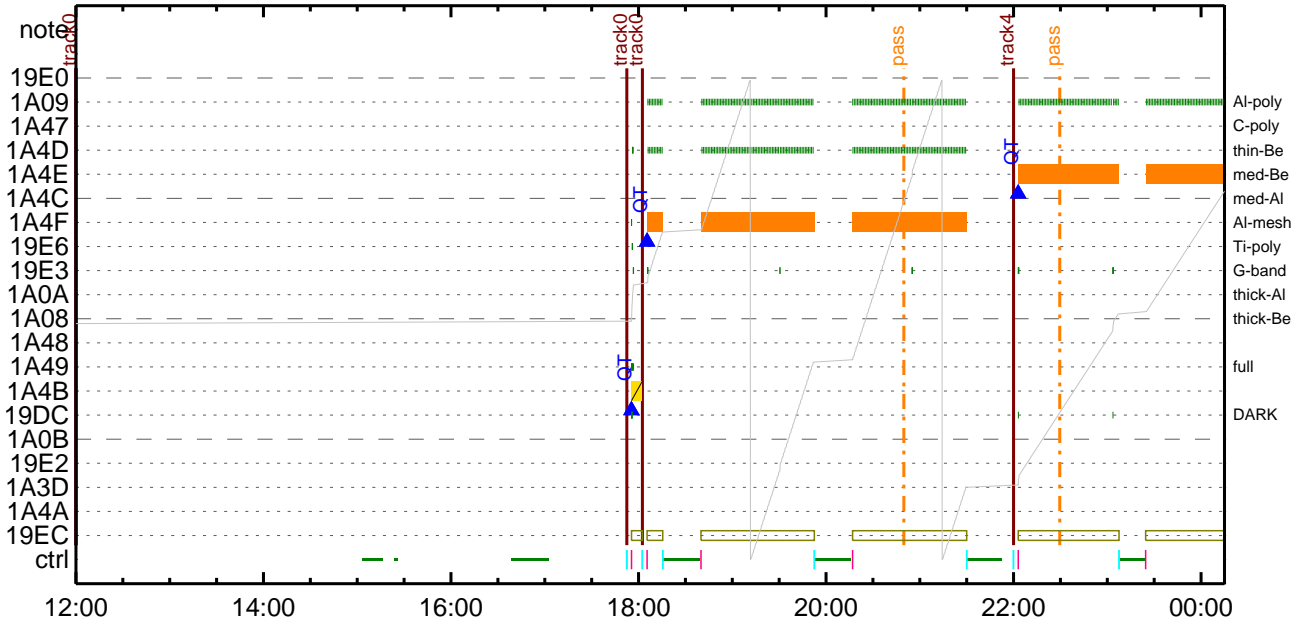
CMDI #0625 2014/10/09



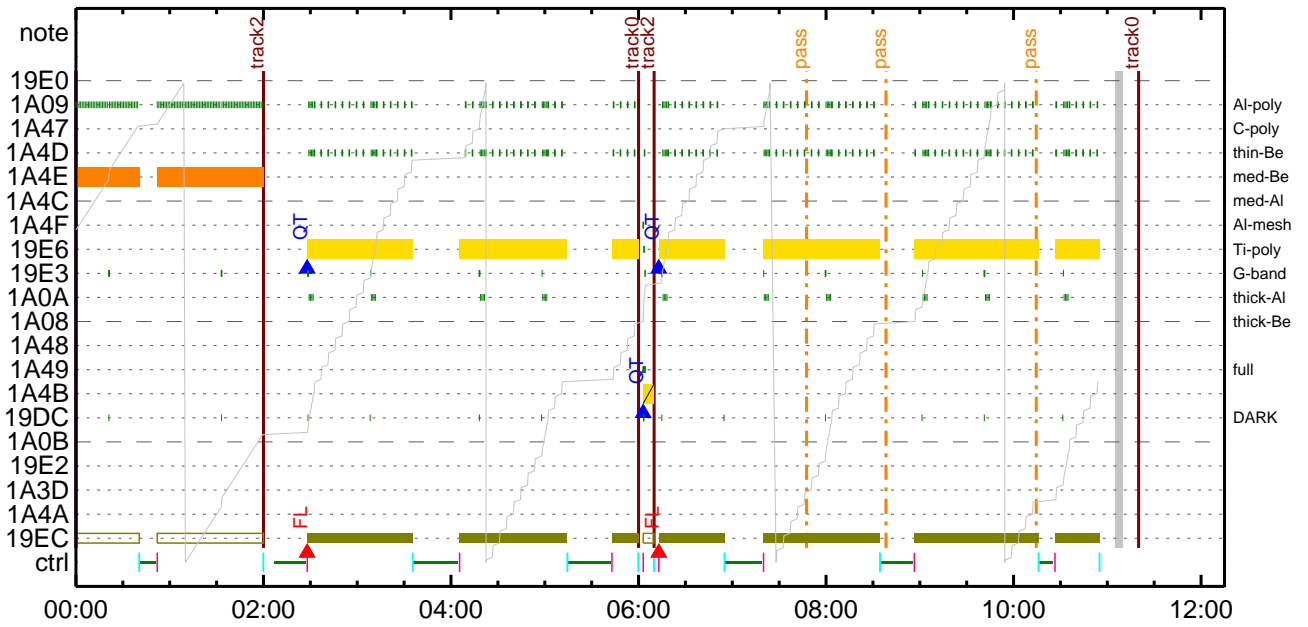
CMDI #0625 2014/10/10



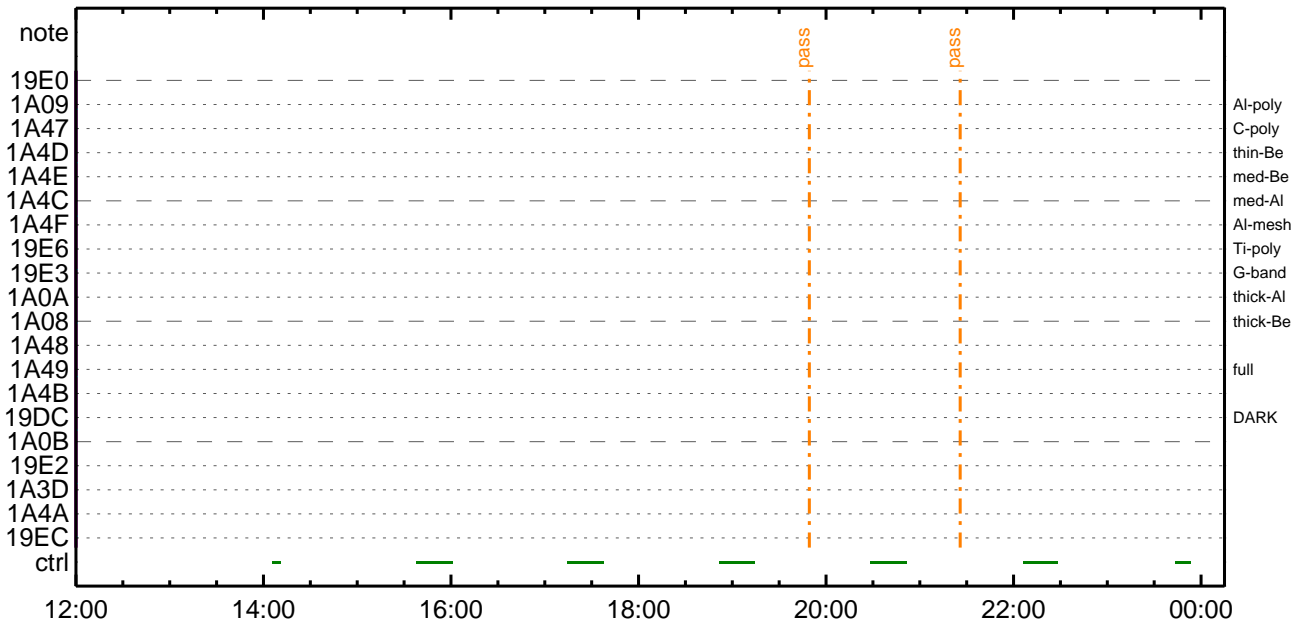
CMDI #0625 2014/10/10



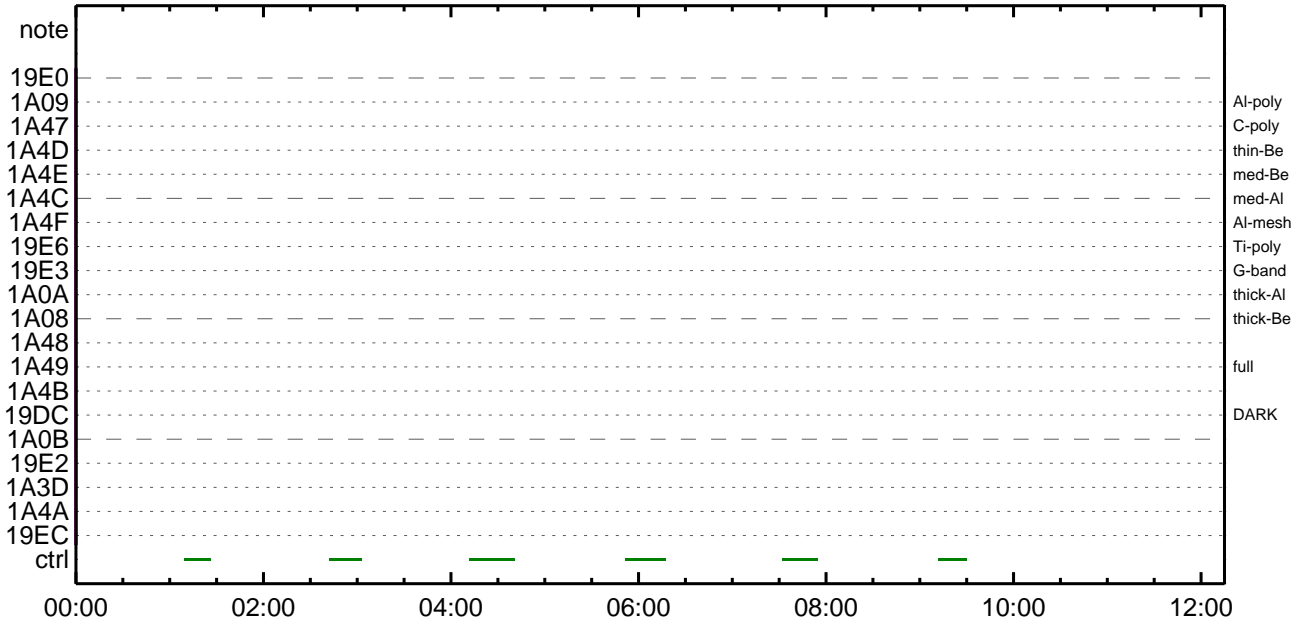
CMDI #0625 2014/10/11



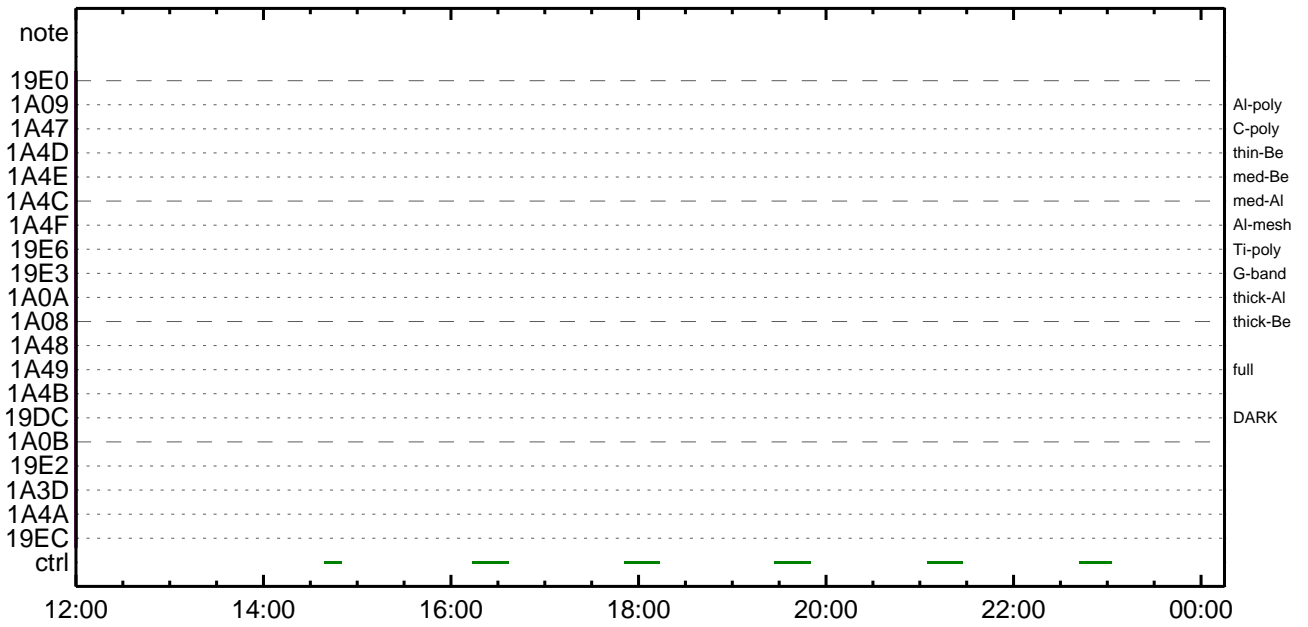
CMDI #0625 2014/10/11



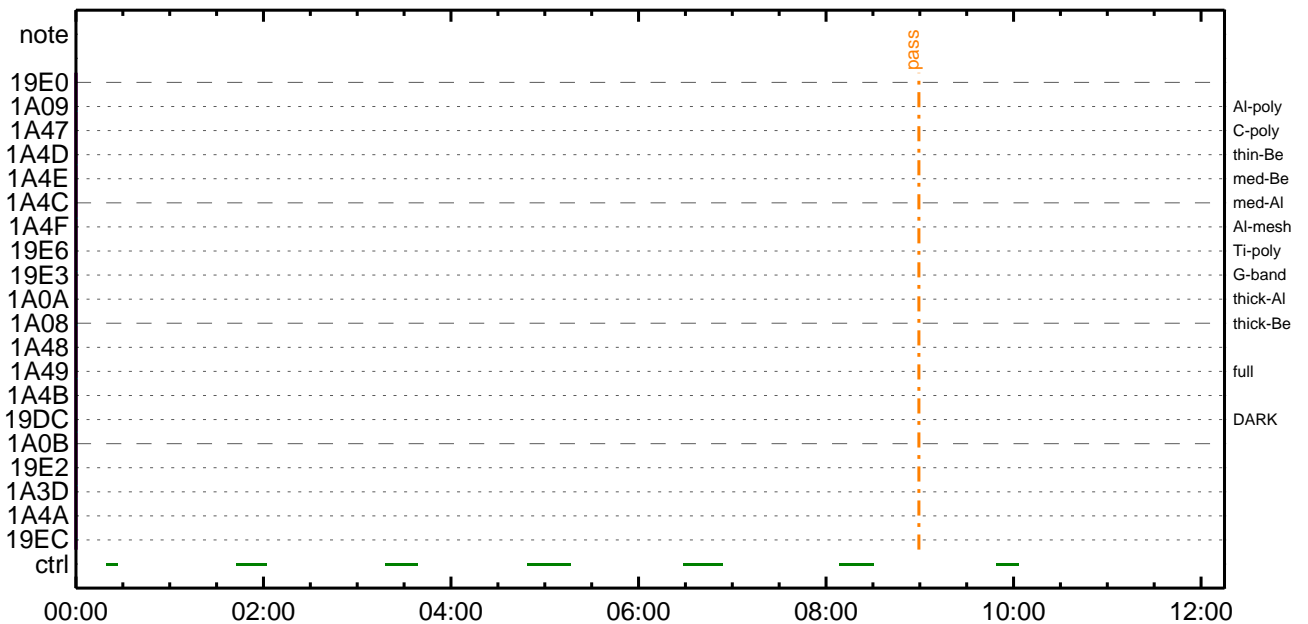
CMDI #0625 2014/10/12



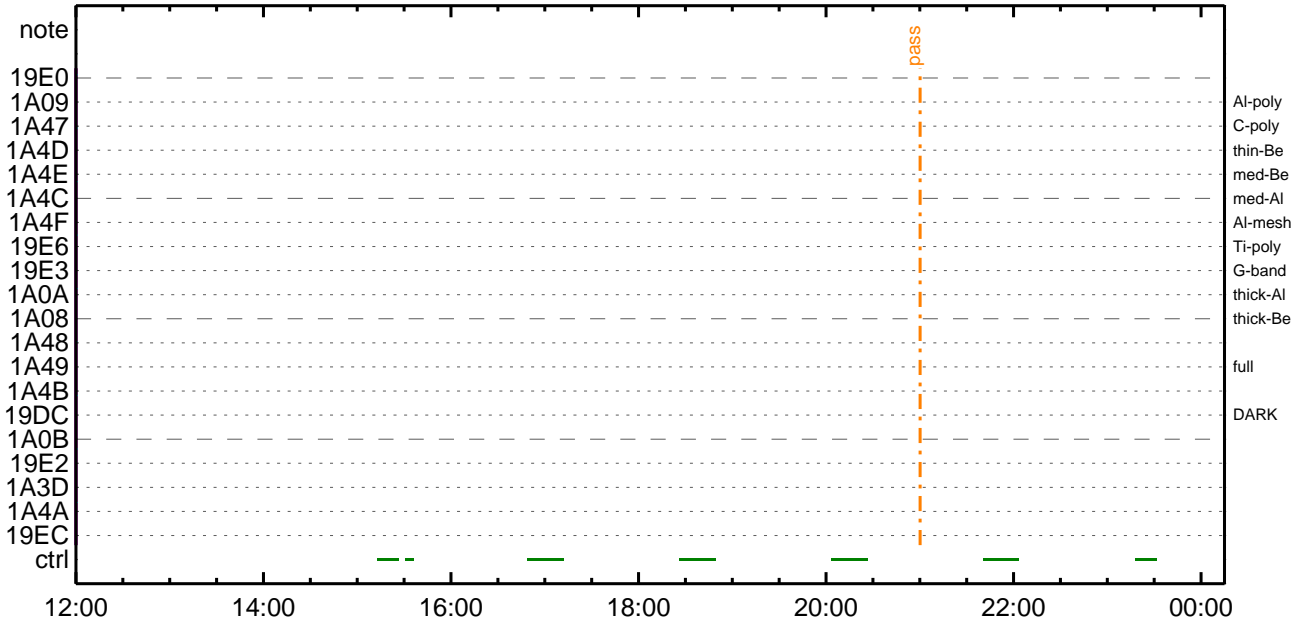
CMDI #0625 2014/10/12



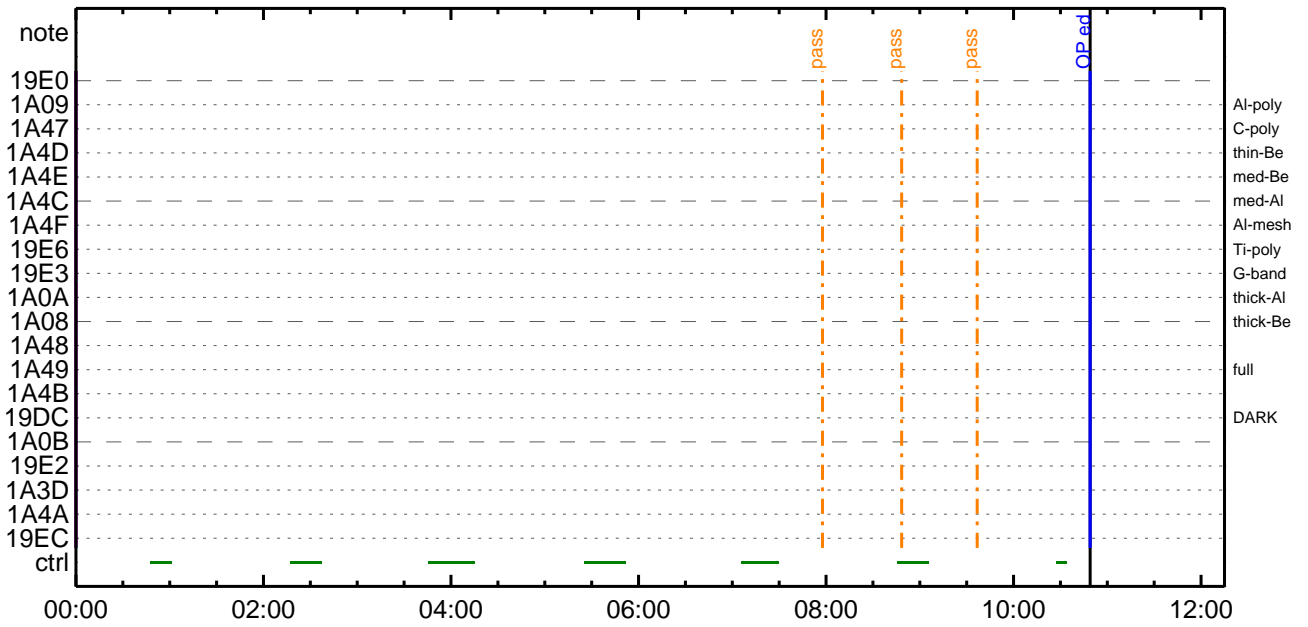
CMDI #0625 2014/10/13



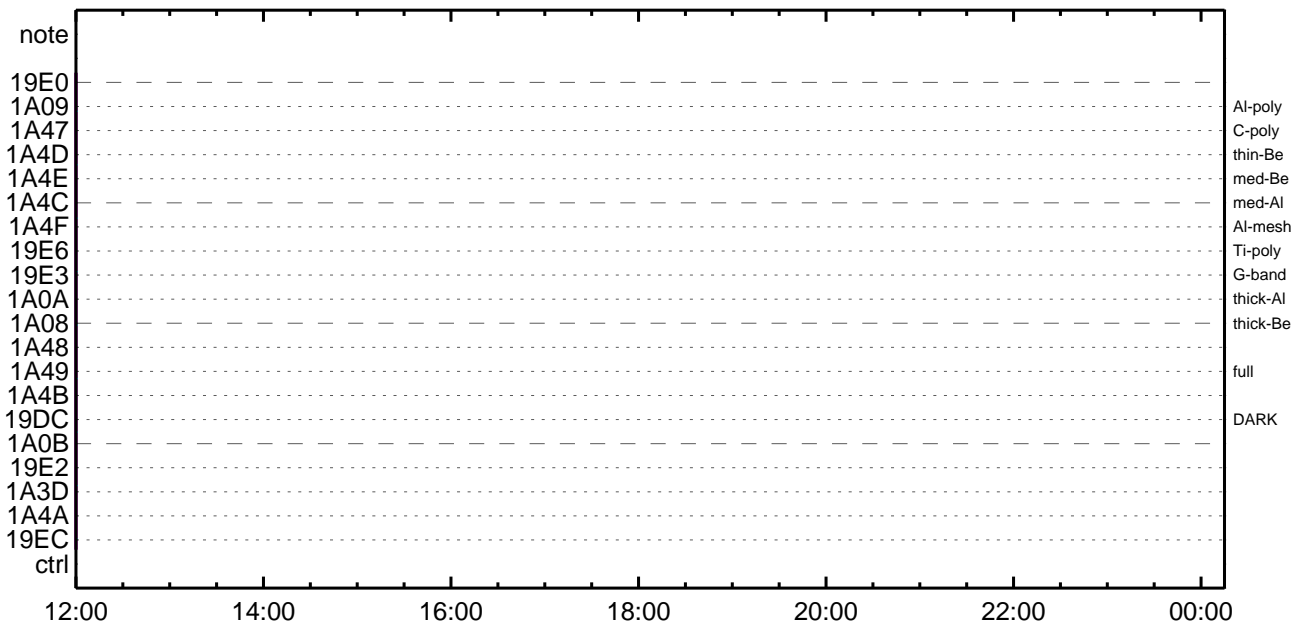
CMDI #0625 2014/10/13



CMDI #0625 2014/10/14



CMDI #0625 2014/10/14



(a) Spacecraft Operation Procedure (real-commands)

```
main-681 2014-10-09 12:56:45 205 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Ä»Û;ã
0005 C.
0006 C. YÀY$;¼Y³YF¥6YÉA÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èα¿αAα•μ°Æ»ÍxÁÇαÍYçYÁYxYí;¼YÉ;ÈÈèμ•íÉ;ÈαÈ¼°ÇÖα•α¿¼l¹ÇαÍ;çÄ®, ùα¹αèαBαÇÁ÷¿®α•αÈααα³αÈ;é
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. OP/OGYí;¼YÉ;|YÁY6Yx
0016 C. *****
0017 C.
0018 . C. ;ãOP/OGYí;¼YÉ;ã
0019 . S. OP op-681:OP
0020 ()
0021 . S. OG og-681:OG
0022 ()
0023 C.
0024 . C. ;ãNMOG&OPÍ°èYÁY6Yx;ã
0025 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027 BC (20 00 7f 01 02)
0028 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0029 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0030 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0031 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0032 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0033 +. DC 01-22 DHU_MODE_CHNG
0034 BC (07 0b f8)
0035 C. çç[HK1_PKT_FORM_NO] EQ 7
0036 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0037 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0038 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0039 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0040 . C. YÀY6Yx¼ªªî»αδ³ÍÇ$
0041 C. çç[HK1_DMP_CHK_FLG] EQ NON
0042 . C. RAM ID=NMOGαî¼È¹ç•è²ÍOKαδ³ÍÇ$
0043 C.
0044 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0045 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046 BC (20 80 7f 01 02)
0047 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0048 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0049 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0050 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0051 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0052 +. DC 01-22 DHU_MODE_CHNG
0053 BC (07 0b f8)
0054 C. çç[HK1_PKT_FORM_NO] EQ 7
0055 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0056 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0057 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0058 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0059 . C. YÀY6Yx¼ªªî»αδ³ÍÇ$
0060 C. çç[HK1_DMP_CHK_FLG] EQ NON
0061 . C. RAM ID=NMOGαî¼È¹ç•è²ÍOKαδ³ÍÇ$
0062 C.
0063 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065 BC (21 00 41 01 02)
0066 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0067 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0068 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0069 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0070 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0071 +. DC 01-22 DHU_MODE_CHNG
0072 BC (07 0b f8)
0073 C. çç[HK1_PKT_FORM_NO] EQ 7
0074 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0075 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0076 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0077 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0078 . C. YÀY6Yx¼ªªî»αδ³ÍÇ$
0079 C. çç[HK1_DMP_CHK_FLG] EQ NON
0080 . C. RAM ID=NMOG, RAM ID=OPαî¼È¹ç•è²ÍOKαδ³ÍÇ$
0081 C.
0082 . C. ***** °È²¼αî¼Ä´¶Í°αÈÈ-α°A÷¿® (¼áμ-YÁY6Yx¼ªªî»αδ³ÍÇαΔÁÖÁæαÇª°α°°α¼¿l¹çαÇαâ) *****
0083 C. DHUYã;¼YÉ;È¼Y¼, Yí;¼YÉ;ÈαδÍáα¹
0084 +. DC 01-22 DHU_MODE_CHNG
0085 BC (02 0a f8)
0086 C. çç[HK1_PKT_FORM_NO] EQ 2
0087 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0088 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0089 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0090 C.
0091 . C. *****
0092 C. TI-CMD SET (OPOG STOP/COPY/START)
0093 C. *****
0094 C.
0095 . C. NOTICE ;§ OPOG UPLOADα-Á÷¿®NGαî¼¿l¹ç;ç°È²¼αî¼TI-CMDÁ÷¿®αî¼Á¹Ôα•αÈααα³αÈ;é
```



```

0096 C.          SETDUMP±°iYÑY¹qÇ¹Ôa|³³qE;f
0097 C.
0098 C. TIY³YFYYÖYÉððÄDİĴ (UT)
0099 +. TI 2014-10-09 08:49:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.          ĆĆ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0102 C.
0103 +. TI 2014-10-09 08:49:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.          ĆĆ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0106 C.
0107 +. TI 2014-10-09 08:49:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.          ĆĆ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0110 C.
0111 +. TI 2014-10-09 08:53:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.          ĆĆ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0114 C.
0115 C. °Ê²¼qİÄê%îİÑqİVÄY§YÄY-¹àİÜ
0116 C.          ĆĆ[HK1_TI_CMD_ENA/DIS]      EQ          ENA
0117 C.          ĆĆ[HK1_TI_CMD_NUM]        EQ          4
0118 C.          ĆĆ[HK1_NEXT_EXEC_PIM]      EQ          DHU
0119 C.          ĆĆ[HK1_NEXT_EXEC_DC]      EQ          0xB3
0120 C.
0121 C. *****
0122 C. TIİİ°èYÄYÖYx
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC          (03 ab 03 01 02)
0128 C.          ĆĆ[HK1_DMP_TOP_ADRS_1]    EQ          07
0129 C.          ĆĆ[HK1_DMP_TOP_ADRS_0]    EQ          2B
0130 C.          ĆĆ[HK1_DMP_BLOCK_NUM]     EQ          3
0131 C.          ĆĆ[HK1_DMP_REPEAT_NUM]    EQ          0
0132 C.          ĆĆ[HK1_DMA_DMP_PIM]      EQ          DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC          (07 0b f8)
0135 C.          ĆĆ[HK1_PKT_FORM_NO]       EQ          7
0136 C.          ĆĆ[HK1_PKT_GEN_TIME]      EQ          0.25 s
0137 C.          ĆĆ[HK1_S_TLM_BIT_RATE]    EQ          32k
0138 C.          ĆĆ[HK1_X_TLM_BIT_RATE]   EQ          4M
0139 C.          ĆĆ[HK1_DMP_CHK_FLG]      EQ          EXEC
0140 C.
0141 C. YÄYÖYx½ªİ»ðð³İÇ§
0142 C.          ĆĆ[HK1_DMP_CHK_FLG]      EQ          NON
0143 C.
0144 C. RAM ID=TI_TBLqİ%Ê¹Ç•ê²İOKqðð³İÇ§
0145 C.
0146 C. DHUYâ;¼YÉ;Ê¼Y½;Yİ;¼YÈ;Ëððİáq¹
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC          (02 0a f8)
0149 C.          ĆĆ[HK1_PKT_FORM_NO]       EQ          2
0150 C.          ĆĆ[HK1_PKT_GEN_TIME]      EQ          0.5S
0151 C.          ĆĆ[HK1_S_TLM_BIT_RATE]    EQ          32K
0152 C.          ĆĆ[HK1_X_TLM_BIT_RATE]   EQ          4M
0153 C.
0154 C. *****
0155 C. SOT TI command set
0156 C. *****
0157 C. Execute, after the success of OP upload.
0158 +. TI 2014-10-09 08:53:16.0
0159 DC 07-F0 MDP_SOT_MODE_STBY
0160 BC          (41)
0161 C. -----
0162 C.      HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0163 C. -----
0164 C. ***** SOT END *****
0165 C. Stop EIS observation and temporarily disable EIS mode changes
0166 C.
0167 C.
0168 C. ***** Start EIS operation (TI set) *****
0169 C. Execute, after the success of OP upload.
0170 C. Set EIS TI-commands
0171 +. TI 2014-10-09 08:53:30.0
0172 DC 07-FC EIS_MODE_MANU
0173 BC          (21 02)
0174 +. TI 2014-10-09 08:53:40.0
0175 DC 07-FC EIS_MODE_CHG_DIS
0176 BC          (22)
0177 C.          [ ] [HK1_TI_CMD_NUM]      EQ          2 COUNTUP
0178 C. ***** End EIS operation (TI set) *****
0179 C.
0180 C.
0181 C.
0182 C. ***** XRT START *****
0183 C. Execute, after the success of OP upload.
0184 +. TI 2014-10-09 08:53:00.0
0185 DC 07-F0 MDP_XRT_MODE_STBY
0186 BC          (c3)
0187 C.          [ ] [HK1_TI_CMD_NUM]      EQ          1COUNTUP
0188 C.
0189 C. ***** XRT END *****
0190 C.
0191 C. ***** MDP ´üÄİqİ»ö¼YqËÄð¹qèDCBC•x²è *****
0192 C. (¼â°İYÖYÄYÈYİPİYÄYÇYèqÈ%¼q¼Ä»Üq¹qé)
0193 C. DC-BC dcbc-402:DCBC

```

```
0194 (MDP_known_event)
0195 C.
0196 C.
0197 . C. ***** ¥ÐŸ!•İ Daily±;İÑøĒ'Øσ¹αēDCBC•x²è *****
0198 . S. DC-BC dcbc-153:DCBC
0199 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200 C.
0201 C.
0202 . C. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ã
0203 C.
0204 . C. ***** LOS *****
0205 C.
```


(a) Spacecraft Operation Procedure (real-commands)

```
main-683 2014-10-09 12:56:45 146 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ä
0005 C.
0006 C. YÁYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èø¿òÁø•µ°È»Í×ÁÇøíYçYÁY×Yí;¼YÉ;ÈÈèµ•ííÉ;ÈøÈ¼°ÇÇø•ø¿¼í¹çøí;çÀ®, ùø¹øèøøøÇÁ+¿®ø•øÈøøøøøÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 + DC 07-F0 MDP_XRT_MODE_STBY
0020 BC (c3)
0021 . C. ----- Success Verify ? OK / NG ____
0022 C.
0023 C. XRT Obs. Table Upload
0024 . S. RAM ram-291:MDP_OBS_X
0025 ( )
0026 C.
0027 +. DC 07-F0 MDP_DUMP_XRTTBL
0028 BC (84 07 00 00 00 3a d4)
0029 . C. ----- Comparison Check ? OK / ERR ____
0030 C.
0031 C.
0032 +. DC 07-F0 MDP_XRT_ROI_SET
0033 BC (cd 01 b1 b1 04 04)
0034 + DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 02 b1 b1 08 08)
0036 + DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 03 b1 b1 08 08)
0038 + DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 04 b1 b1 06 06)
0040 + DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 05 85 83 06 06)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 06 85 83 0c 0c)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 07 85 83 06 06)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 08 85 83 08 08)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 09 80 80 20 20)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0a 80 80 20 08)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0b 80 80 08 20)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 0f 80 80 06 06)
0056 + DC 07-F0 MDP_XRT_ROI_SET
0057 BC (cd 10 80 80 08 08)
0058 + DC 07-F0 MDP_XRT_FLD_DIS
0059 BC (d9)
0060 + DC 07-F0 MDP_XRT_FLRCTRL_DIS
0061 BC (c9)
0062 + DC 07-F0 MDP_XRT_ARS_DIS
0063 BC (d5)
0064 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0065 BC (c4 02)
0066 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0067 BC (c5 01)
0068 . C. ----- Success Verify ? OK / NG ____
0069 C.
0070 C.
0071 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0072 C.
0073 +. DC 07-F0 MDP_XRT_MODE_OBSV
0074 BC (c2)
0075 +. TI 2014-10-09 08:53:02.0
0076 DC 07-F0 MDP_XRT_MODE_OBSV
0077 BC (c2)
0078 . C. ----- Success Verify ? OK / NG ____
0079 C.
0080 C. ***** XRT END *****
0081 . C. *****
0082 C. SOT table upload
0083 C. *****
0084 . C. < Stop FG table >
0085 +. DC 07-F0 MDP_FG_CTRL_MANU
0086 BC (51)
0087 . C. -----
0088 C. MDP_FG_CTRL_MODE = MANU [ ]
0089 C. -----
0090 C.
0091 . C. <Upload FG Observation Table>
0092 . S. RAM ram-268:MDP_OBS_F
0093 ( )
0094 C.
0095 . C. < Dump RAMID=MDP_OBS_F >
```

```

0096 +. DC 07-F0 MDP_DUMP_FGTBL
0097 BC (82 07 00 00 00 38 b8)
0098 C. -----
0099 C. MDP_OBS_F verify = OK/NG [ ]
0100 C. -----
0101 C.
0102 . C. < Stop SP table >
0103 +. DC 07-F0 MDP_SP_CTRL_MANU
0104 BC (61)
0105 C. -----
0106 C. MDP_SP_CTRL_MODE = MANU [ ]
0107 C. -----
0108 C.
0109 . C. <Upload SP Observation Table>
0110 . S. RAM ram-289:MDP_OBS_S
0111 ( )
0112 C.
0113 . C. < Dump RAMID=MDP_OBS_S >
0114 +. DC 07-F0 MDP_DUMP_SPTBL
0115 BC (83 07 00 00 00 38 b8)
0116 C. -----
0117 C. MDP_OBS_S verify = OK/NG [ ]
0118 C. -----
0119 C.
0120 C. *****
0121 C. SOT TI command set
0122 C. *****
0123 C. Execute, after the success of TBL upload.
0124 +. TI 2014-10-09 08:53:18.0
0125 DC 07-F0 MDP_SOT_MODE_OBSV
0126 BC (40)
0127 . C. -----
0128 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0129 C. -----
0130 C.
0131 C.
0132 . C. ***** MDP `uÃîï»ö%ÝðËÂð¹ñèDCBC•x²è *****
0133 C. (%á°îÿÓÿÃÿÈÿPÿËÿáÿçÿèñË¼ñ¼Ã»Ûñ¹è)
0134 . S. DC-BC dcbc-402:DCBC
0135 (MDP_known_event)
0136 C.
0137 C.
0138 . C. ***** ÿDÿ¹•Ï Daily±¿ÎñðË´Øñ¹èDCBC•x²è *****
0139 . S. DC-BC dcbc-153:DCBC
0140 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0141 C.
0142 C.
0143 . C. ;ãLOSÿÁÿ§ÿÃÿ~¼Ã»Û;ä
0144 C.
0145 . C. ***** LOS *****
0146 C.

```

Oct 09, 14 12:56

XRT_OGLIST_0625.chk

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*** OP Sequence for XRT ***

2014/10/09	09:03:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/09	09:03:56.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/09	09:03:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2014/10/09	09:04:00.0	AOCS_Ore-point_Start_1_OG [0x097]						
		AOCU_NM	5	02-76	00 11 ca b0 00			
2014/10/09	09:04:18.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2014/10/09	09:04:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2014/10/09	09:04:22.0	XRT_AEC_RESET_413_OG [0x19d]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2014/10/09	09:04:24.0	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2014/10/09	09:04:26.0	XRT_FLD_RESET_416_OG [0x1a0]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2014/10/09	09:20:56.0	XRT_QT_PROG_SET_425_OG [0x1a9]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c			
2014/10/09	09:20:58.0	XRT_FL_PROG_SET_438_OG [0x1b6]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 01			
2014/10/09	09:21:00.0	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/10/09	11:59:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/09	11:59:56.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/09	11:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2014/10/09	12:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]						
		AOCU_NM	5	02-76	02 00 00 00 00			
2014/10/09	12:00:18.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2014/10/09	12:00:20.5	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2014/10/09	12:00:22.5	XRT_AEC_RESET_413_OG [0x19d]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2014/10/09	12:00:24.5	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2014/10/09	12:00:26.5	XRT_FLD_RESET_407_OG [0x197]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2014/10/09	12:02:56.5	XRT_QT_PROG_SET_432_OG [0x1b0]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11			
2014/10/09	12:02:58.5	XRT_FL_PROG_SET_421_OG [0x1a5]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0f			
2014/10/09	12:03:00.5	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/10/09	14:28:30.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/09	14:28:32.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/09	14:28:34.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2014/10/09	14:28:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2014/10/09	14:31:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2014/10/09	14:39:00.0	XRT_Custom_430_OG [0x1ae]						
2014/10/09	14:40:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/10/09	16:03:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/09	16:03:02.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/09	16:03:04.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2014/10/09	16:03:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2014/10/09	16:06:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2014/10/09	16:26:30.0	XRT_Custom_430_OG [0x1ae]						
2014/10/09	16:27:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/10/09	17:40:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/09	17:40:02.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/09	17:40:04.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2014/10/09	17:40:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2014/10/09	17:43:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2014/10/09	18:03:24.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/09	18:03:26.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/09	18:03:28.0	XRT_FOCUS_POSITION_403_OG [0x193]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2014/10/09	18:03:30.0	AOCS_Ore-point_Start_3_OG [0x099]						

2014/10/09	18:03:48.0	XRT_FLD_DIS_422_OG [0x1a6]	AOCU_NM	5	02-76	00	00	00	00	00
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2014/10/09	18:06:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2014/10/09	18:06:26.0	XRT_ARS_DIS_423_OG [0x1a7]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2014/10/09	18:06:28.0	XRT_QT_PROG_SET_429_OG [0x1ad]		2	07-F0	c4	07			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	07			
2014/10/09	18:06:30.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2014/10/09	18:13:24.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2014/10/09	18:13:26.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2014/10/09	18:13:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]		4	07-F8	22	fe	97	00	
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2014/10/09	18:13:30.0	AOCS_Orе-point_Start_4_OG [0x09a]		5	02-76	00	30	6a	bc	73
		AOCU_NM		5	02-76	00	30	6a	bc	73
2014/10/09	18:13:48.0	XRT_FLD_DIS_422_OG [0x1a6]		1	07-F0	d9				
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2014/10/09	18:16:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2014/10/09	18:16:26.0	XRT_ARS_DIS_423_OG [0x1a7]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2014/10/09	18:16:28.0	XRT_QT_PROG_SET_427_OG [0x1ab]		2	07-F0	c4	0e			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	0e			
2014/10/09	18:16:30.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2014/10/09	19:17:00.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2014/10/09	19:17:02.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2014/10/09	19:17:04.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0	da				
		MDP_XRT_FLD_RESET		1	07-F0	da				
2014/10/09	19:17:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]		1	07-F0	e8				
		MDP_XRT_PREFLR_STRT		1	07-F0	e8				
2014/10/09	19:20:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0	e9				
		MDP_XRT_PREFLR_STOP		1	07-F0	e9				
2014/10/09	19:40:00.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2014/10/09	19:41:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2014/10/09	20:54:00.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2014/10/09	20:54:02.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2014/10/09	20:54:04.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0	da				
		MDP_XRT_FLD_RESET		1	07-F0	da				
2014/10/09	20:54:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]		1	07-F0	e8				
		MDP_XRT_PREFLR_STRT		1	07-F0	e8				
2014/10/09	20:57:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0	e9				
		MDP_XRT_PREFLR_STOP		1	07-F0	e9				
2014/10/09	21:17:30.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2014/10/09	21:18:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2014/10/09	21:59:54.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2014/10/09	21:59:56.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2014/10/09	21:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]		4	07-F8	22	fe	97	00	
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2014/10/09	22:00:00.0	AOCS_Orе-point_Start_5_OG [0x09b]		5	02-76	04	00	00	00	00
		AOCU_NM		5	02-76	04	00	00	00	00
2014/10/09	22:00:18.0	XRT_FLD_DIS_422_OG [0x1a6]		1	07-F0	d9				
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2014/10/09	22:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2014/10/09	22:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2014/10/09	22:02:58.0	XRT_QT_PROG_SET_406_OG [0x196]		2	07-F0	c4	10			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	10			
2014/10/09	22:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2014/10/09	22:31:30.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2014/10/09	22:31:32.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2014/10/09	22:31:34.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0	da				
		MDP_XRT_FLD_RESET		1	07-F0	da				
2014/10/09	22:31:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]		1	07-F0	e8				
		MDP_XRT_PREFLR_STRT		1	07-F0	e8				
2014/10/09	22:34:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0	e9				
		MDP_XRT_PREFLR_STOP		1	07-F0	e9				
2014/10/09	22:52:30.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2014/10/09	22:53:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2014/10/10	00:08:30.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2014/10/10	00:08:32.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2014/10/10	00:08:34.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0	da				
		MDP_XRT_FLD_RESET		1	07-F0	da				
2014/10/10	00:08:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]		1	07-F0	e8				

2014/10/10	00:11:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e8	
2014/10/10	00:16:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/10/10	00:17:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/10	01:32:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/10	01:32:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/10	01:32:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2014/10/10	01:32:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2014/10/10	01:35:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/10/10	01:51:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/10	01:52:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/10	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/10	01:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/10	01:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2014/10/10	02:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	02 00 00 00 00	
2014/10/10	02:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2014/10/10	02:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2014/10/10	02:00:22.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2014/10/10	02:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2014/10/10	02:00:26.0	XRT_FLD_RESET_407_OG [0x197]	MDP_XRT_FLD_RESET	1	07-F0	da	
2014/10/10	02:02:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d	
2014/10/10	02:02:58.0	XRT_FL_PROG_SET_438_OG [0x1b6]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 01	
2014/10/10	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/10	03:07:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/10	03:07:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/10	03:07:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2014/10/10	03:07:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2014/10/10	03:10:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/10/10	03:28:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/10	03:29:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/10	04:37:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/10	04:37:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/10	04:37:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2014/10/10	04:37:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2014/10/10	04:40:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/10/10	05:06:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/10	05:07:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/10	05:49:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/10	05:49:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/10	05:49:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2014/10/10	05:50:00.5	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00	
2014/10/10	05:50:18.0	XRT_FLD_DIS_422_OG [0x1a6]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2014/10/10	05:52:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2014/10/10	05:52:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2014/10/10	05:52:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 07	
2014/10/10	05:53:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/10	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/10	05:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/10	05:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	

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2014/10/10	06:00:00.0	AOCS_ORe-point_Start_2_OG [0x098] AOCU_NM	5	02-76	02 00 00 00 00
2014/10/10	06:00:18.0	XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA	1	07-F0	d8
2014/10/10	06:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2014/10/10	06:00:22.0	XRT_AEC_RESET_413_OG [0x19d] MDP_XRT_AEC_RESET	1	07-F0	d0
2014/10/10	06:00:24.0	XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS	1	07-F0	d5
2014/10/10	06:00:26.0	XRT_FLD_RESET_407_OG [0x197] MDP_XRT_FLD_RESET	1	07-F0	da
2014/10/10	06:02:56.0	XRT_QT_PROG_SET_440_OG [0x1b8] MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d
2014/10/10	06:02:58.0	XRT_FL_PROG_SET_438_OG [0x1b6] MDP_XRT_FL_PROG_SET	2	07-F0	c5 01
2014/10/10	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/10/10	06:18:00.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/10/10	06:18:02.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/10/10	06:18:04.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2014/10/10	06:18:06.0	XRT_PREFLR_STRT_439_OG [0x1b7] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2014/10/10	06:21:14.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2014/10/10	06:43:00.0	XRT_Custom_430_OG [0x1ae]			
2014/10/10	06:44:00.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/10/10	07:57:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/10/10	07:57:56.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/10/10	07:57:58.0	XRT_FOCUS_POSITION_410_OG [0x19a] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2014/10/10	07:58:18.0	XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA	1	07-F0	d8
2014/10/10	07:58:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2014/10/10	07:58:22.0	XRT_AEC_RESET_413_OG [0x19d] MDP_XRT_AEC_RESET	1	07-F0	d0
2014/10/10	07:58:24.0	XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS	1	07-F0	d5
2014/10/10	07:58:26.0	XRT_FLD_RESET_426_OG [0x1aa] MDP_XRT_FLD_RESET	1	07-F0	da
2014/10/10	08:00:00.0	AOCS_ORe-point_Start_1_OG [0x097] AOCU_NM	5	02-76	00 11 ca b0 00
2014/10/10	08:20:56.0	XRT_QT_PROG_SET_425_OG [0x1a9] MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c
2014/10/10	08:20:58.0	XRT_FL_PROG_SET_438_OG [0x1b6] MDP_XRT_FL_PROG_SET	2	07-F0	c5 01
2014/10/10	08:21:00.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/10/10	09:38:00.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/10/10	09:38:02.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/10/10	09:38:04.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2014/10/10	09:38:06.0	XRT_PREFLR_STRT_439_OG [0x1b7] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2014/10/10	09:41:14.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2014/10/10	09:54:00.0	XRT_Custom_430_OG [0x1ae]			
2014/10/10	09:55:00.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/10/10	11:59:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/10/10	11:59:56.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/10/10	12:00:00.0	AOCS_ORe-point_Start_6_OG [0x09c] AOCU_NM	5	02-76	00 ad 59 00 00
2014/10/10	17:52:24.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/10/10	17:52:26.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/10/10	17:52:28.0	XRT_FOCUS_POSITION_403_OG [0x193] XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2014/10/10	17:52:30.0	AOCS_ORe-point_Start_3_OG [0x099] AOCU_NM	5	02-76	00 00 00 00 00
2014/10/10	17:52:48.0	XRT_FLD_DIS_422_OG [0x1a6] MDP_XRT_FLD_DIS	1	07-F0	d9
2014/10/10	17:55:24.0	XRT_FLRCTRL_DIS_405_OG [0x195] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2014/10/10	17:55:26.0	XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS	1	07-F0	d5
2014/10/10	17:55:28.0	XRT_QT_PROG_SET_429_OG [0x1ad] MDP_XRT_QT_PROG_SET	2	07-F0	c4 07
2014/10/10	17:55:30.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/10/10	18:02:24.0	XRT_CTRL_MANU_402_OG [0x192]			

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2014/10/10	18:02:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/10	18:02:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/10	18:02:30.0	AOCS_Orе-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2014/10/10	18:02:48.0	XRT_FLD_DIS_422_OG [0x1a6]	AOCU_NM	5	02-76	00	30	6a	bc 73
2014/10/10	18:05:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2014/10/10	18:05:26.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2014/10/10	18:05:28.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2014/10/10	18:05:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0e		
2014/10/10	18:15:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/10/10	18:15:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/10	18:15:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/10	18:15:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da			
2014/10/10	18:18:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2014/10/10	18:39:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2014/10/10	18:40:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]						
2014/10/10	19:52:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/10/10	19:52:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/10	19:52:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/10	19:52:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da			
2014/10/10	19:55:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2014/10/10	20:16:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2014/10/10	20:17:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]						
2014/10/10	21:30:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/10/10	21:30:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/10	21:30:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/10	21:30:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da			
2014/10/10	21:33:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2014/10/10	21:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2014/10/10	21:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_CTRL_MANU_402_OG [0x192]						
2014/10/10	21:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/10	22:00:00.0	AOCS_Orе-point_Start_5_OG [0x09b]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2014/10/10	22:00:18.0	XRT_FLD_DIS_422_OG [0x1a6]	AOCU_NM	5	02-76	04	00	00	00 00
2014/10/10	22:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2014/10/10	22:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2014/10/10	22:02:58.0	XRT_QT_PROG_SET_406_OG [0x196]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2014/10/10	22:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	10		
2014/10/10	23:07:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/10/10	23:07:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/10	23:07:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/10	23:07:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da			
2014/10/10	23:10:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2014/10/10	23:23:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2014/10/10	23:24:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]						
2014/10/11	00:40:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/10/11	00:40:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/11	00:40:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/10/11	00:40:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da			
2014/10/11	00:43:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			

2014/10/11	00:51:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/10/11	00:52:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
2014/10/11	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/11	01:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	01:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	02:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2014/10/11	02:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	02 00 00 00 00	
2014/10/11	02:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2014/10/11	02:00:22.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2014/10/11	02:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2014/10/11	02:00:26.0	XRT_FLD_RESET_401_OG [0x191]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2014/10/11	02:27:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_FLD_RESET	1	07-F0	da	
2014/10/11	02:27:58.0	XRT_FL_PROG_SET_438_OG [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d	
2014/10/11	02:28:00.5	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 01	
2014/10/11	03:35:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/11	03:35:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	03:35:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	03:35:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da	
2014/10/11	03:38:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2014/10/11	04:04:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/10/11	04:05:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
2014/10/11	05:14:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/11	05:14:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	05:14:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	05:14:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da	
2014/10/11	05:17:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2014/10/11	05:42:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/10/11	05:43:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
2014/10/11	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/11	05:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	05:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	06:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2014/10/11	06:00:18.0	XRT_FLD_DIS_422_OG [0x1a6]	AOCU_NM	5	02-76	00 00 00 00 00	
2014/10/11	06:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2014/10/11	06:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2014/10/11	06:02:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2014/10/11	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 07	
2014/10/11	06:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/11	06:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	06:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	06:10:00.0	AOCS_ORe-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2014/10/11	06:10:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	02 00 00 00 00	
2014/10/11	06:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2014/10/11	06:10:22.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2014/10/11	06:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2014/10/11	06:10:26.0	XRT_FLD_RESET_407_OG [0x197]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2014/10/11	06:12:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_FLD_RESET	1	07-F0	da	
2014/10/11	06:12:58.0	XRT_FL_PROG_SET_438_OG [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d	

2014/10/11	06:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	01
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/11	06:55:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	06:55:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	06:55:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2014/10/11	06:55:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2014/10/11	06:58:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/10/11	07:19:00.0	XRT_Custom_430_OG [0x1ae]					
2014/10/11	07:20:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/11	08:34:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	08:34:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	08:34:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2014/10/11	08:34:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2014/10/11	08:37:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/10/11	08:55:30.5	XRT_Custom_430_OG [0x1ae]					
2014/10/11	08:56:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/11	10:16:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	10:16:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	10:16:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2014/10/11	10:16:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2014/10/11	10:19:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/10/11	10:25:30.0	XRT_Custom_430_OG [0x1ae]					
2014/10/11	10:26:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/10/11	10:55:00.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	10:55:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/10/11	11:20:00.0	AOCS_Or-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00	00 00 00 00