

# XRT Timeline to be uploaded on 2017/03/18

Period: 2017/03/18 10:19:00 - 2017/03/23 11:38:00

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## Normal mode

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XOB #1B4D: HOP81/206 2-filter - Al/poly 8s, Al/mesh 6s 60s cadence, G-band - 384x384 3ms													
Term	Pointing (x, y)							Comment					
03/18 10:32:00 - 03/18 17:55:24	Fixed ( -22.0, -953.0)							# OP start + 10min, HOP 206.					
PROG= 16 Inf.-time(s)													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 9 2-time(s) 2.0sec													
	Open/G-band	Open/G-band	close	Safe	Norm	3ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
└─ Subr= 2 1-time(s) 2.0sec													
└─ Seqn= 7 1-time(s) 30.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	3ms	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
└─ Subr= 3 30-time(s) 2.0sec													
└─ Seqn= 24 1-time(s) 60.0sec													
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1B6D: Synoptic Q95 2x2 - Al/mesh(512/2048/4096) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(512/4096/8192)													
Term	Pointing (x, y)							Comment					
03/18 17:58:30 - 03/18 18:05:24	Fixed ( 0.0, 0.0)							synoptic, shifted -4.5 min					
03/19 06:30:30 - 03/19 06:37:24	Fixed ( 0.0, 0.0)							synoptic, shifted 27.5 min					
03/19 19:53:00 - 03/19 20:00:14	Fixed ( 0.0, 0.0)							synoptic, shifted					
03/20 06:03:00 - 03/20 06:09:54	Fixed ( 0.0, 0.0)							synoptic					
03/21 06:03:30 - 03/21 06:10:24	Fixed ( 0.0, 0.0)							synoptic, shifted 0.5 min					
PROG= 14 1-time(s)													
└─ Subr= 1 1-time(s) 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= 73 1-time(s) 2.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 44 1-time(s) 2.0sec													
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 76 1-time(s) 2.0sec													
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 54 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	3ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	3ms	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 #1B07: 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					
03/18 18:08:30 - 03/19 06:27:24	Track ( -689.9, -75.8) @ 03/18 18:05:30							# AR observations.					
03/19 06:40:30 - 03/19 13:29:54	Track ( -605.5, -66.4) @ 03/19 06:37:30							# AR cont.					
03/19 20:07:00 - 03/19 22:41:30	Track ( -505.6, -57.8) @ 03/19 20:00:20							# AR cont.					
03/20 06:13:00 - 03/20 17:59:54	Track ( -423.9, -52.4) @ 03/20 06:10:00							# AR cont.					
03/20 18:13:00 - 03/20 23:59:54	Track ( -322.3, -47.3) @ 03/20 18:10:00							# AR cont.					
03/21 06:13:30 - 03/21 08:43:30	Track ( -216.2, -43.7) @ 03/21 06:10:30							# AR cont.					
PROG= 10 Inf.-time(s)													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 56 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	3ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	3ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
└─ Subr= 2 1-time(s) 2.0sec													
└─ Seqn= 75 5-time(s) 2.0sec													
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	2	0	2.0sec
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	2	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
└─ Seqn= 96 8-time(s) 360.0sec													
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	2.0sec
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	1	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	1	2.0sec

Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	2	2.0sec
thin-Be/Open	med-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 #1B76: HOP327 - Al/poly (Be-Thin) - 128x128 - 1x1 - 4sec cad - Gband - 348x384 - 3ms - AEC1**

Term	Pointing (x, y)	Comment
03/19 13:33:00 - 03/19 19:49:54	Track ( -534.8, -67.0) @ 03/19 13:30:00	# ALMA HOP 327.
<b>PROG= 15 Inf.-time(s)</b>		
Subr= 1 2-time(s) 2.0sec		
Seqn= 7 1-time(s) 2.0sec		
Open/G-band	Open/G-band open	Safe Norm 3ms Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec
Subr= 2 250-time(s) 4.0sec		
Seqn= 18 1-time(s) 2.0sec		
Al-poly/Open	thin-Be/Open	close Safe Norm 250ms Obs 1x1 128x128 (1064, 1048) Q=95 1 0 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

**XOB #1B6C: QS (Al/poly long/short), 384FOV at 1064, 1048 with G-band (3ms/3ms leak) 60s cad - AEC0- HOP336-2**

Term	Pointing (x, y)	Comment
03/19 23:03:00 - 03/20 02:29:54	Track ( -176.0, 622.0) @ 03/19 23:00:00	# HOP-336
03/20 02:33:00 - 03/20 05:59:54	Track ( 128.0, 622.0) @ 03/20 02:30:00	# HOP-336 part 2
<b>PROG= 09 Inf.-time(s)</b>		
Subr= 1 1-time(s) 2.0sec		
Seqn= 56 1-time(s) 2.0sec		
Open/G-band	Open/G-band open	Safe Norm 3ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 3ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
Open/Ti-poly	Open/thick-Al	close Safe Dark 16.0s Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec
Subr= 2 1-time(s) 2.0sec		
Seqn= 61 30-time(s) 60.0sec		
Al-poly/Open	Al-poly/thick-Al	close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/thick-Al	close Safe Norm 16.0s Obs 1x1 384x384 (1064, 1048) Q=95 0 0 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

**XOB #1B66: Synoptic 7 Filter w/ Al-mesh(64/512/2897), Al-poly(45/512/4096), Thin-Be(512/8192/23142) - Thick-Be(65536), Al-poly+Ti-poly(256/5795), Med-Al**

Term	Pointing (x, y)	Comment
03/20 18:03:00 - 03/20 18:09:54	Fixed ( 0.0, 0.0)	synoptic
<b>PROG= 12 1-time(s)</b>		
Subr= 1 1-time(s) 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= 1 1-time(s) 2.0sec		
Open/Al-mesh	Open/Al-mesh	close Safe Norm 24ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh	close Safe Norm 250ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh	close Safe Norm 2.83s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 99 1-time(s) 2.0sec		
Al-poly/Open	Al-poly/Open	close Safe Norm 44ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/Open	close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/thick-Al	close Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 94 1-time(s) 2.0sec		
thin-Be/Open	thin-Be/Open	close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open	close Safe Norm 8.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open	close Safe Norm 22.6s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 54 1-time(s) 4.0sec		
Open/G-band	Open/G-band open	Safe Norm 3ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 3ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Subr= 2 1-time(s) 2.0sec		
Seqn= 46 1-time(s) 2.0sec		
Open/thick-Be	Open/thick-Be	close Safe Norm 64.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Seqn= 20 1-time(s) 2.0sec		
med-Al/Open	med-Al/Open	close Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
med-Al/Open	med-Al/Open	close Safe Norm 64.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Seqn= 40 1-time(s) 2.0sec		
Al-poly/Ti-poly	Al-poly/thick-Al	close Safe Norm 250ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al	close Safe Norm 5.66s Obs 2x2 2048x2048 (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 #1B70: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,3ms) - Leak (1x1,512x512,3ms) - 180s cad (G-band/Leak first)**

Term	Pointing (x, y)	Comment
03/21 00:03:00 - 03/21 06:00:24	Fixed ( 922.0, -100.0)	# Filament observations and EIS spectral atlas.
<b>PROG= 18 Inf.-time(s)</b>		
Subr= 1 1-time(s) 2.0sec		
Seqn= 36 1-time(s) 2.0sec		
Open/G-band	Open/G-band open	Safe Norm 3ms Obs 1x1 512x512 (1024, 1024) Q=90 0 0 2.0sec

Open/G-band	Open/G-band	close	Safe	Norm	3ms	Obs	1x1	512x512 (1024, 1024)	Q=95	0	0	2.0sec
<b>Subr= 2 20-time(s) 180.0sec</b>												
<b>Seqn= 8 1-time(s) 2.0sec</b>												
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
<b>Seqn= 6 1-time(s) 2.0sec</b>												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	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 #1AE7: Flare - multifilter 26 sec cadence (Be/thin, Be/med, Al/thick), AEC 3(thin-Be AEC2), 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512

Term	Pointing (x, y)	Comment
03/18 10:32:00 - 03/18 17:55:24	Fixed ( -22.0, -953.0)	# OP start + 10min, HOP 206.
03/18 18:08:30 - 03/19 06:27:24	Track ( -689.9, -75.8) @ 03/18 18:05:30	# AR observations.
03/19 06:40:30 - 03/19 13:29:54	Track ( -605.5, -66.4) @ 03/19 06:37:30	# AR cont.
03/19 13:33:00 - 03/19 19:49:54	Track ( -534.8, -67.0) @ 03/19 13:30:00	# ALMA HOP 327.
03/19 20:07:00 - 03/19 22:41:30	Track ( -505.6, -57.8) @ 03/19 20:00:20	# AR cont.
03/19 23:03:00 - 03/20 02:29:54	Track ( -176.0, 622.0) @ 03/19 23:00:00	# HOP-336
03/20 02:33:00 - 03/20 05:59:54	Track ( 128.0, 622.0) @ 03/20 02:30:00	# HOP-336 part 2
03/20 06:13:00 - 03/20 17:59:54	Track ( -423.9, -52.4) @ 03/20 06:10:00	# AR cont.
03/20 18:13:00 - 03/20 23:59:54	Track ( -322.3, -47.3) @ 03/20 18:10:00	# AR cont.
03/21 00:03:00 - 03/21 06:00:24	Fixed ( 922.0, -100.0)	# Filament observations and EIS spectral atlas.
03/21 06:13:30 - 03/21 08:43:30	Track ( -216.2, -43.7) @ 03/21 06:10:30	# AR cont.

### PROG= 07 30-time(s)

<b>Subr= 1 20-time(s) 2.0sec</b>												
<b>Seqn= 11 1-time(s) 2.0sec</b>												
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
<b>Seqn=100 1-time(s) 10.0sec</b>												
thin-Be/Open	med-Be/Open	close	Safe	Norm	125ms	Obs	1x1	384x384 (1024, 1024)	Q=95	2	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
<b>Subr= 2 1-time(s) 2.0sec</b>												
<b>Seqn= 10 1-time(s) 2.0sec</b>												
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
<b>Seqn= 11 1-time(s) 2.0sec</b>												
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
<b>Seqn= 84 1-time(s) 2.0sec</b>												
Open/G-band	Open/G-band	open	Safe	Norm	3ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	3ms	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

\* \* \* \* \*

NOT USED

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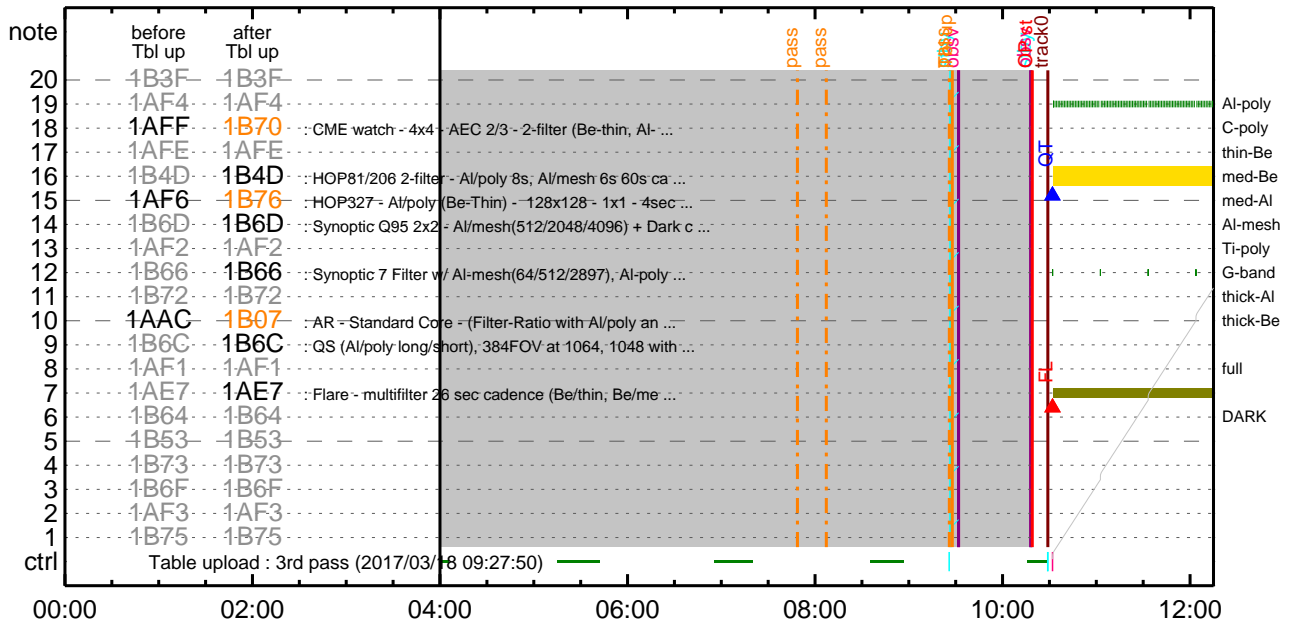
### Flare Detection

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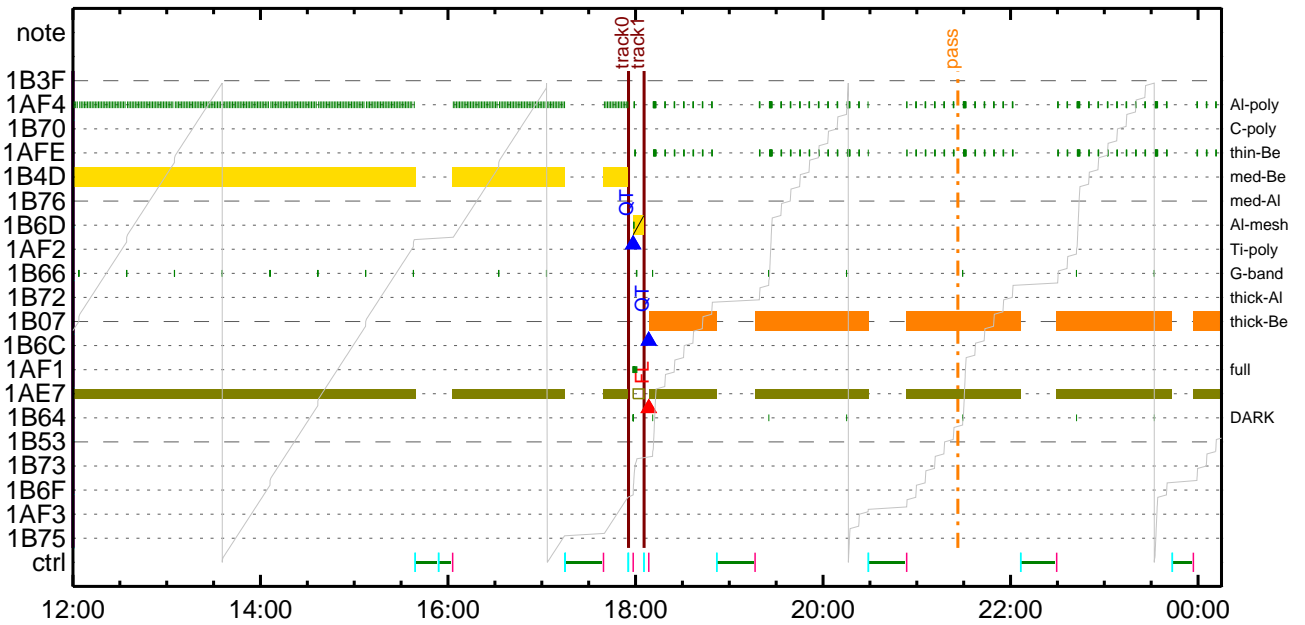
### FLD Patrol

Term	Pointing (x, y)	Comment									
03/18 18:05:48 - 03/19 06:27:48	Track ( -689.9, -75.8) @ 03/18 18:05:30	# AR observations.									
03/19 06:37:48 - 03/19 13:30:18	Track ( -605.5, -66.4) @ 03/19 06:37:30	# AR cont.									
03/19 20:04:38 - 03/20 06:00:18	Track ( -505.6, -57.8) @ 03/19 20:00:20	# AR cont.									
03/20 06:10:18 - 03/20 18:00:18	Track ( -423.9, -52.4) @ 03/20 06:10:00	# AR cont.									
03/20 18:10:18 - 03/21 06:00:48	Track ( -322.3, -47.3) @ 03/20 18:10:00	# AR cont.									
03/21 06:10:48 - 03/23 11:38:00	Track ( -216.2, -43.7) @ 03/21 06:10:30	# AR cont.									
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	8ms	Obs	8x8		Q=50		80sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

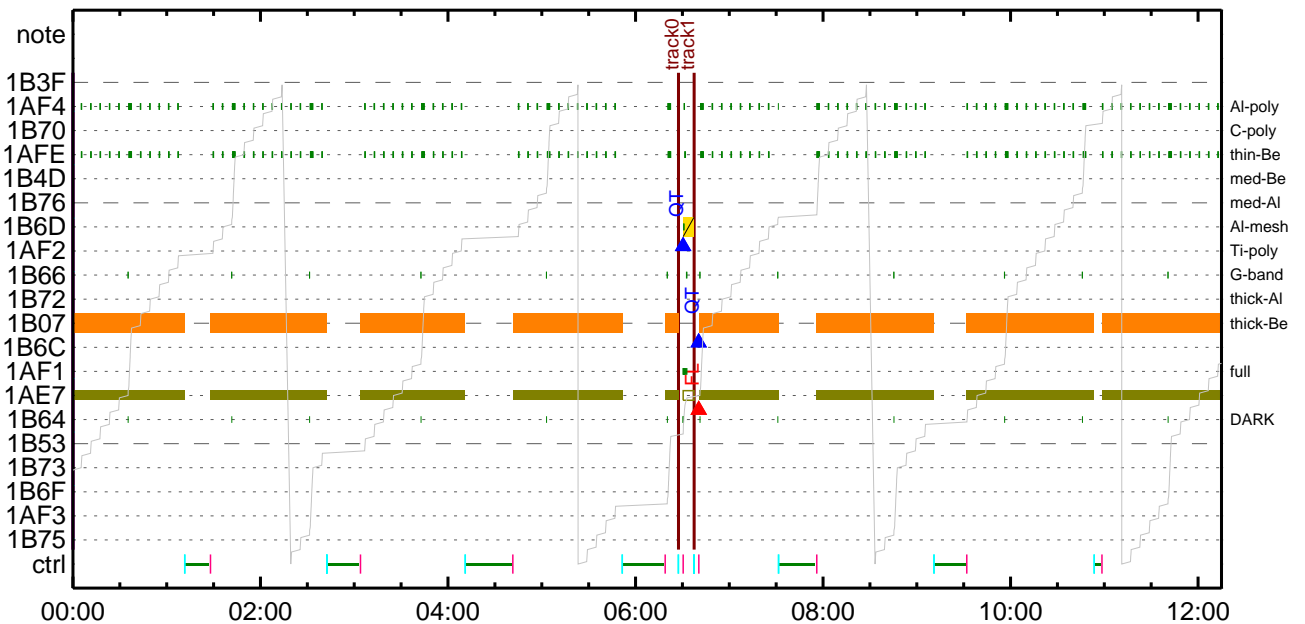
### CMDI #0603 2017/03/18



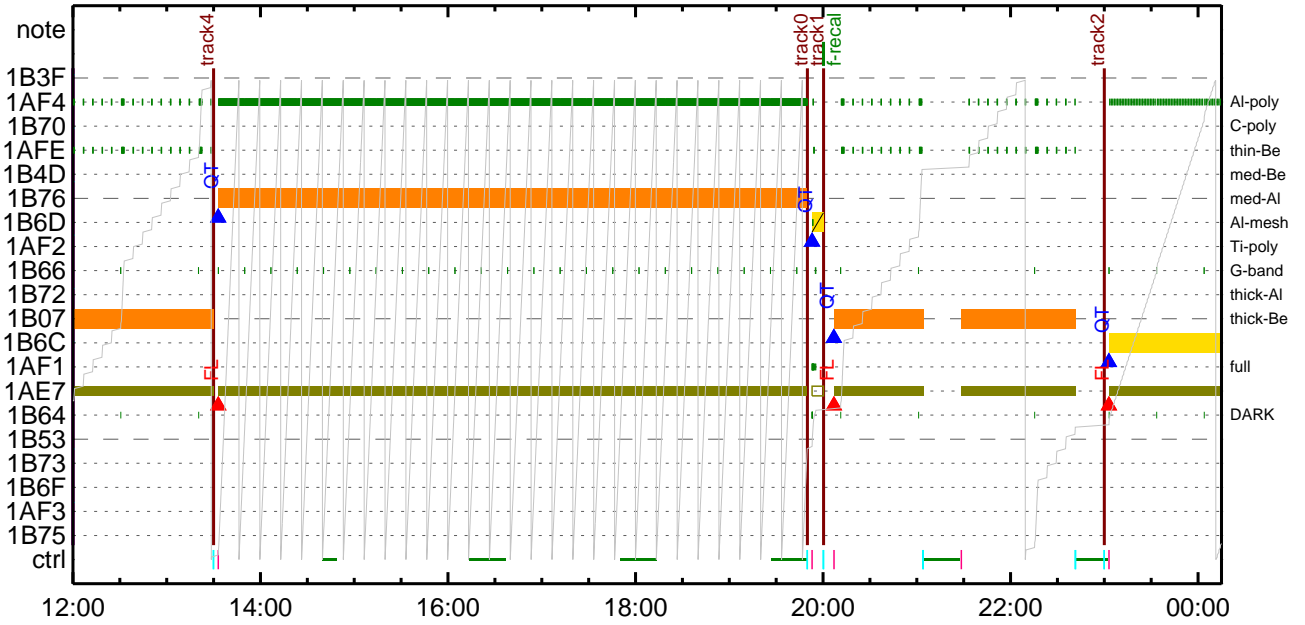
### CMDI #0603 2017/03/18



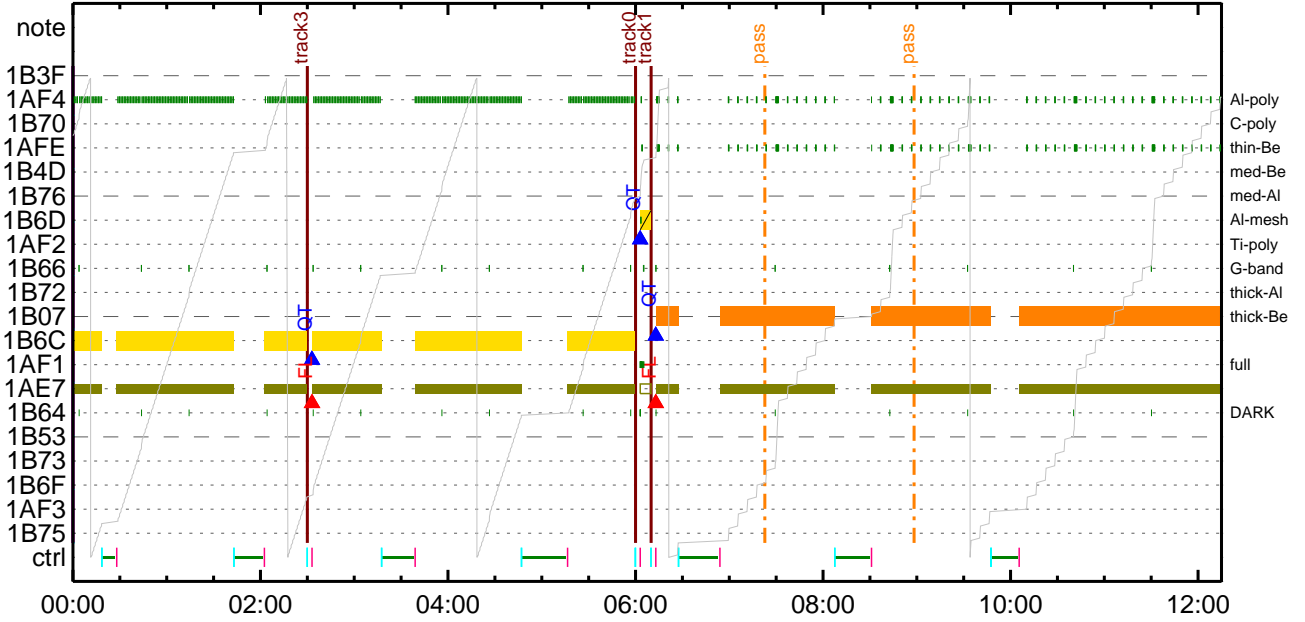
### CMDI #0603 2017/03/19



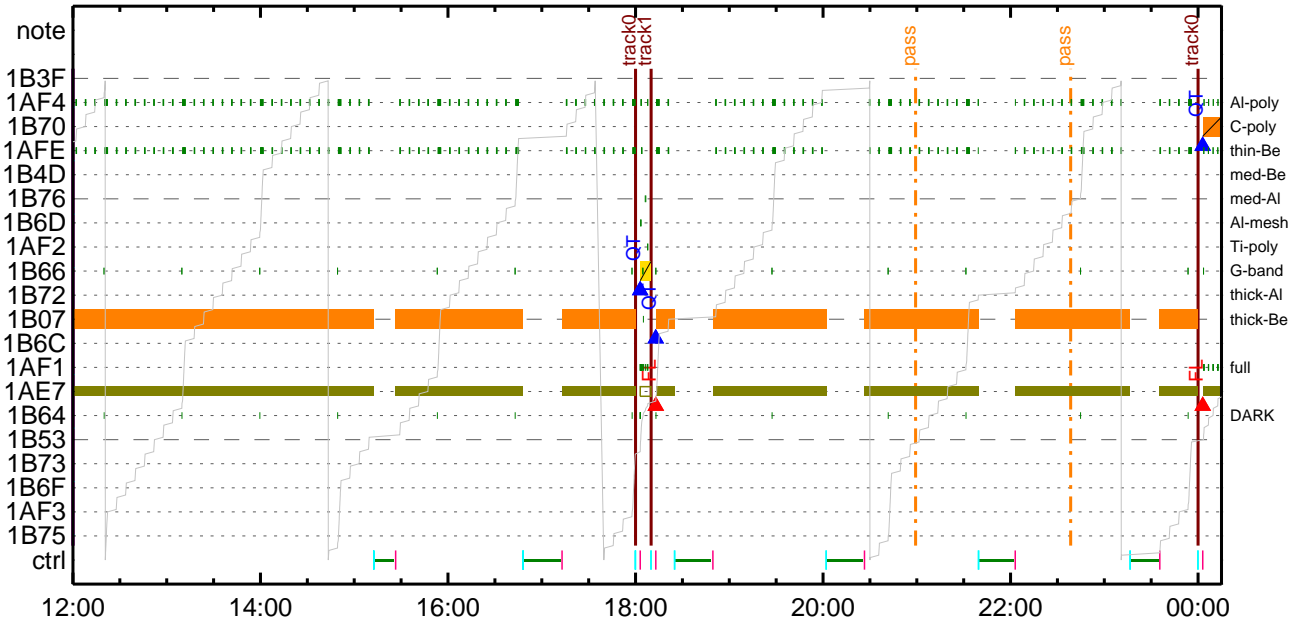
CMDI #0603 2017/03/19



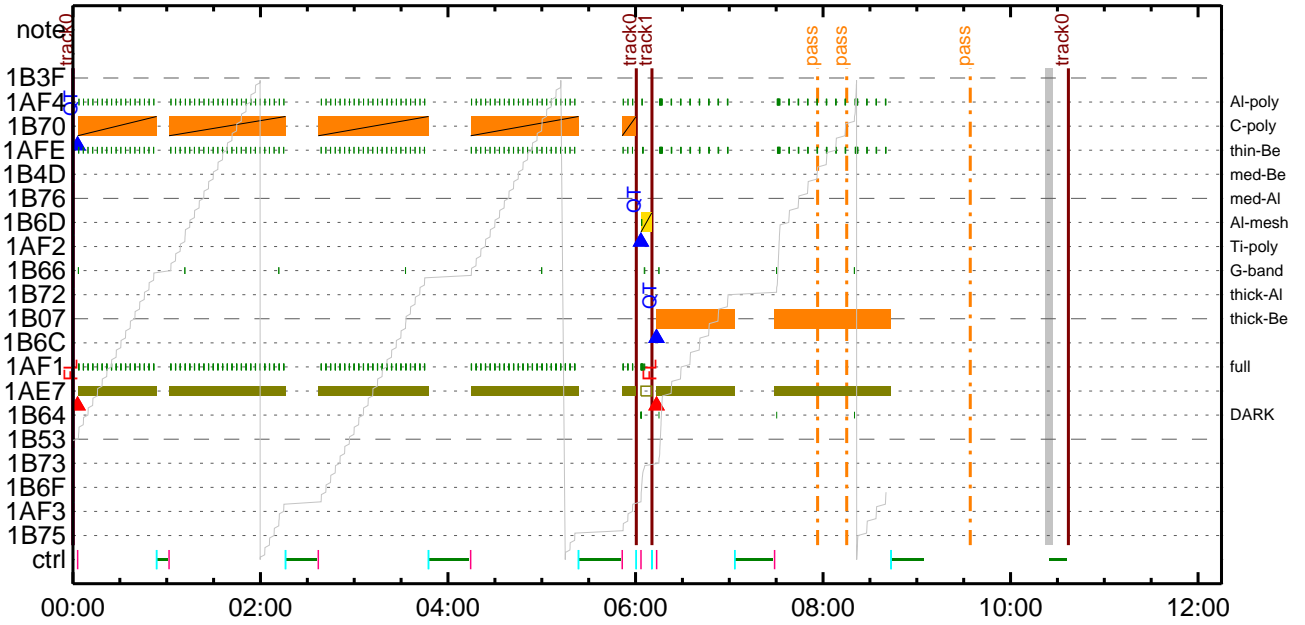
CMDI #0603 2017/03/20



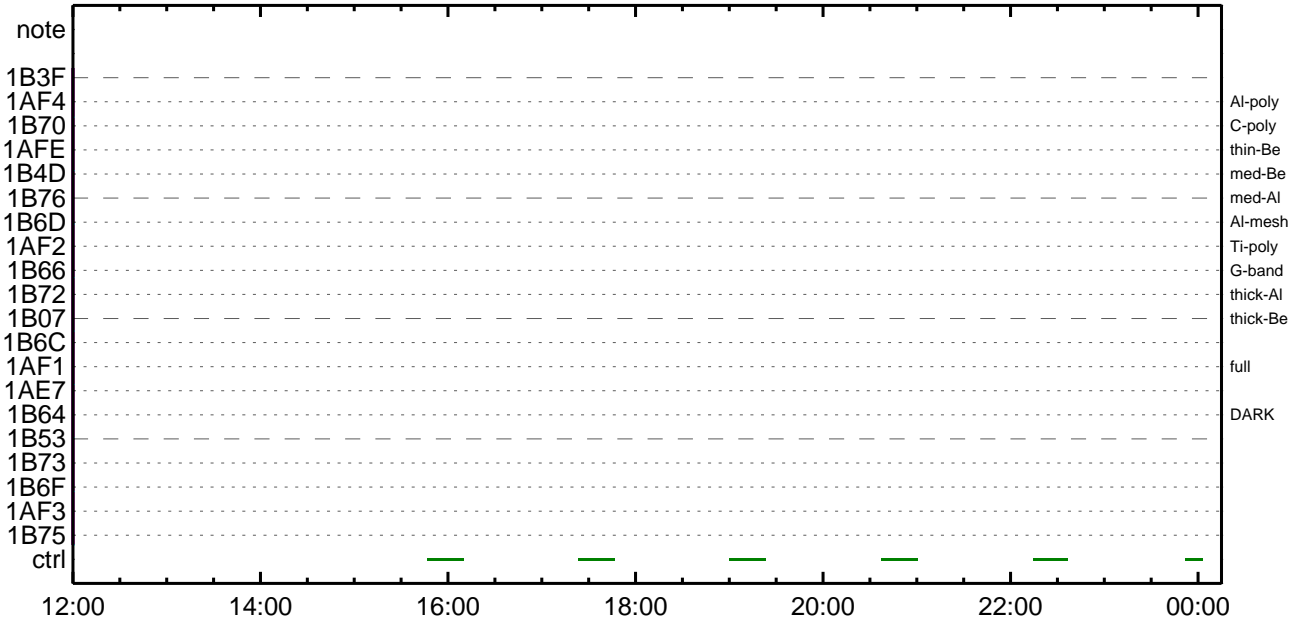
CMDI #0603 2017/03/20



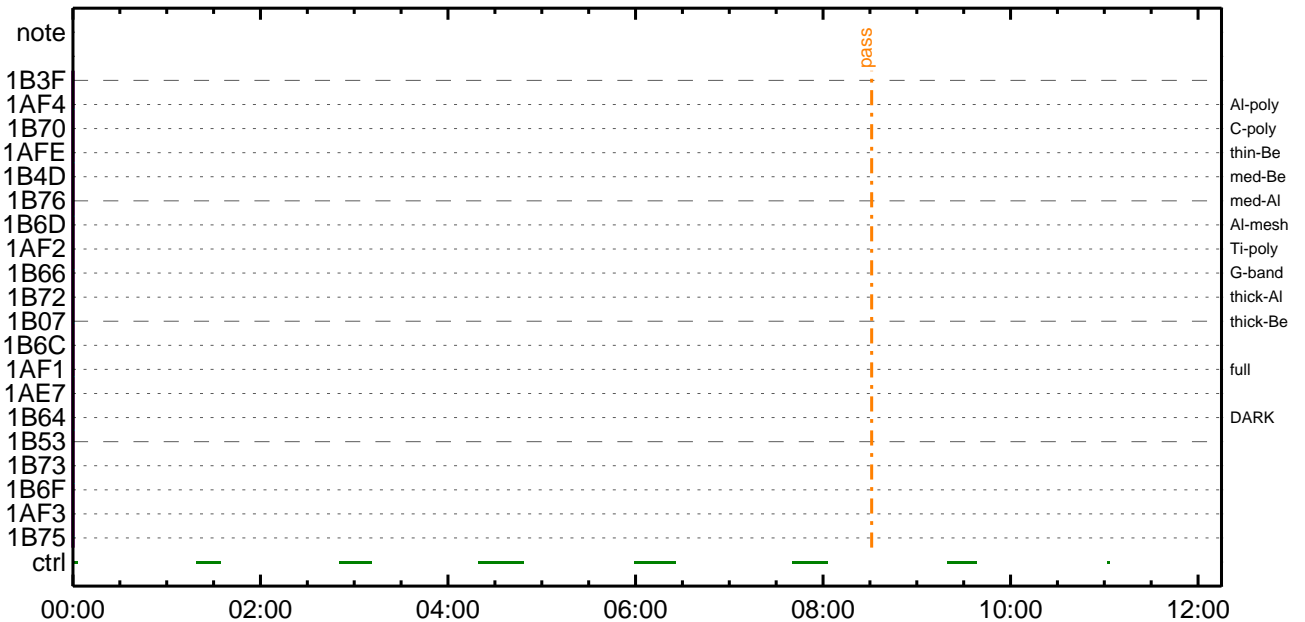
CMDI #0603 2017/03/21



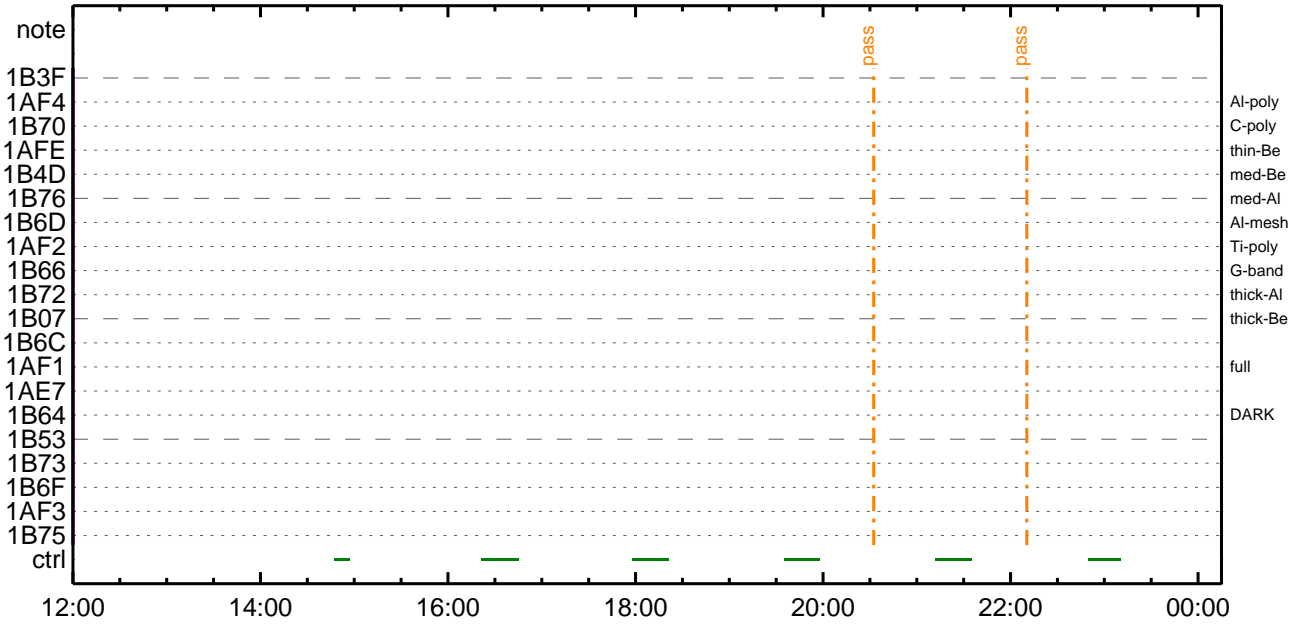
CMDI #0603 2017/03/21



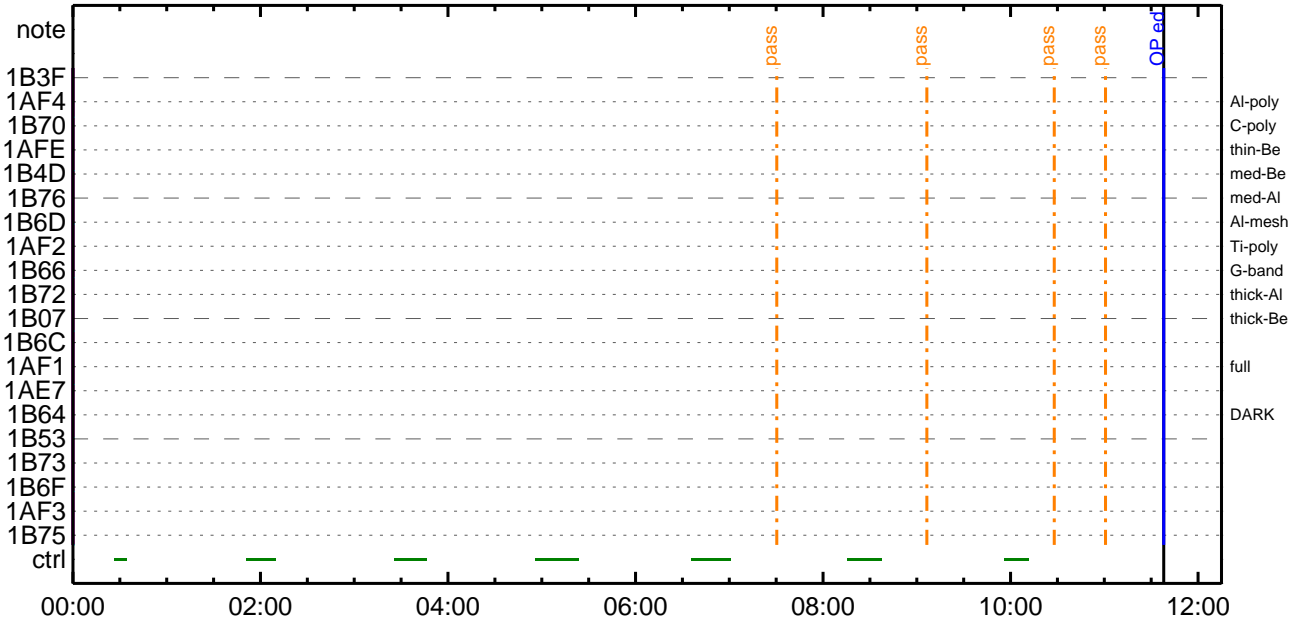
CMDI #0603 2017/03/22



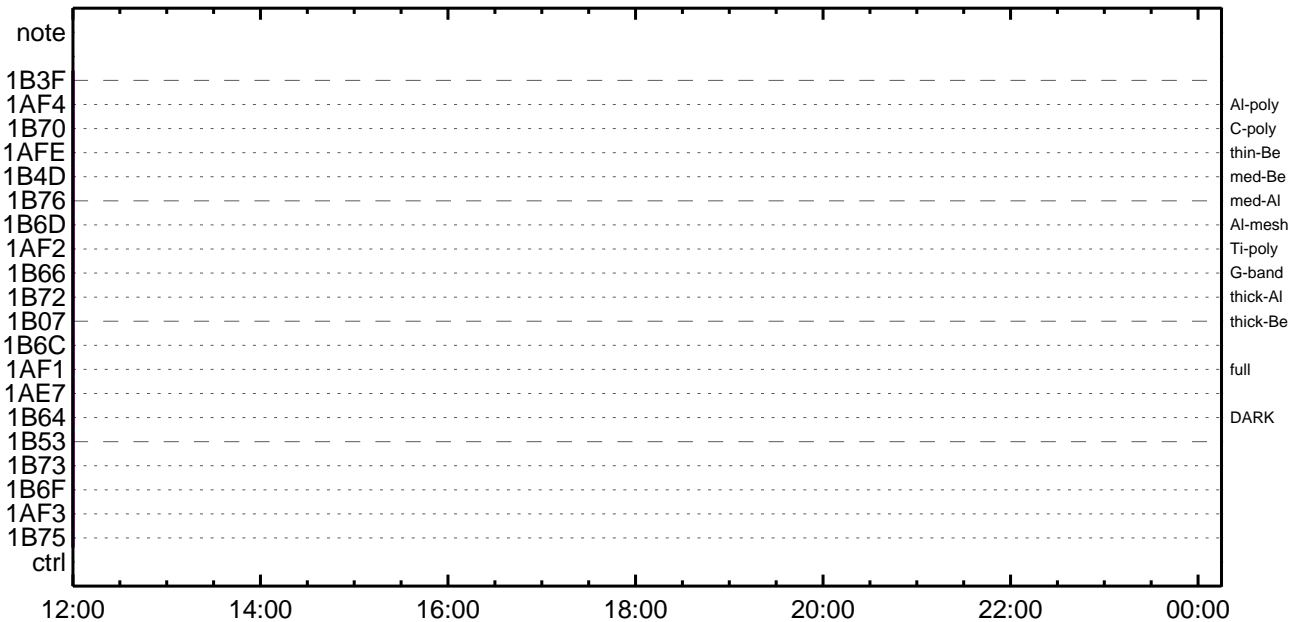
CMDI #0603 2017/03/22



CMDI #0603 2017/03/23



CMDI #0603 2017/03/23







```

0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|YA6Yx
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-484:OP
0104 ( )
0105 S. OG og-484:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°èYA6Yx;ã
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 C. YA6Yx½ª î»ð³ îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG□î¼E¹Ç•è² îOK□ð³ îÇ§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. çç[HK1_PKT_FORM_NO] EQ 7
0139 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0143 C. YA6Yx½ª î»ð³ îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG□î¼E¹Ç•è² îOK□ð³ îÇ§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. çç[HK1_PKT_FORM_NO] EQ 7
0158 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0162 C. YA6Yx½ª î»ð³ îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP□î¼E¹Ç•è² îOK□ð³ îÇ§
0165 C.
0166 C. ***** °E²¼□î¼Ä´¶Á°EĒ¬□Ä÷¿@ (¼áµ-YA6Yx½ªè¼ç□ðÄŒæç¼ª°¬□è¼i¹ç□ç□â) *****
0167 C. DHUYâ;4YE;Ē¼Y½, Y;¼YE;Ē□ðİã¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 C. NOTICE ;§ OPOG UPLOAD¬-Á÷¿@NG□î¼i¹ç;ç°E²¼□î¼TI-CMDÁ÷¿@□î¼Ä¹Œ□•□E□□□³□E;f
0180 C. □P□¿;çSET□ĒDUMP□İĒ±°iYŒY¹□Ç¹Œ□|□³□E;f
0181 C.
0182 C. TIY³YÞY6YĒ□ðÄİ¿¿(UT)
0183 +. TI 2017-03-18 10:14:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2017-03-18 10:14:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2017-03-18 10:14:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

```

```

0194 C.
0195 +. TI 2017-03-18 10:18:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          ÷÷[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0198 C.
0199 C. °Ê²¼öîÄê%îíñöîî¥Á¥§¥Á¥-¹àîü
0200 C.          ÷÷[HK1_TI_CMD_ENA/DIS]      EQ          ENA
0201 C.          ÷÷[HK1_TI_CMD_NUM]          EQ          4
0202 C.          ÷÷[HK1_NEXT_EXEC_PIM]       EQ          DHU
0203 C.          ÷÷[HK1_NEXT_EXEC_DC]        EQ          0xB3
0204 C.
0205 C. *****
0206 C. TIîî°è¥Á¥Ö¥×
0207 C. *****
0208 C.
0209 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC          (03 ab 03 01 02)
0212 C.          ÷÷[HK1_DMP_TOP_ADRS_1]     EQ          07
0213 C.          ÷÷[HK1_DMP_TOP_ADRS_0]     EQ          2B
0214 C.          ÷÷[HK1_DMP_BLOCK_NUM]       EQ          3
0215 C.          ÷÷[HK1_DMP_REPEAT_NUM]     EQ          0
0216 C.          ÷÷[HK1_DMA_DMP_PIM]        EQ          DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC          (07 0b f8)
0219 C.          ÷÷[HK1_PKT_FORM_NO]        EQ          7
0220 C.          ÷÷[HK1_PKT_GEN_TIME]        EQ          0.25 s
0221 C.          ÷÷[HK1_S_TLM_BIT_RATE]     EQ          32k
0222 C.          ÷÷[HK1_X_TLM_BIT_RATE]     EQ          4M
0223 C.          ÷÷[HK1_DMP_CHK_FLG]        EQ          EXEC
0224 C.
0225 C. ¥Á¥Ö¥×½ª î»ö³îÇ§
0226 C.          ÷÷[HK1_DMP_CHK_FLG]        EQ          NON
0227 C.
0228 C. RAM ID=TI_TBLîî¾Ê¹ç•è²îOKö³îÇ§
0229 C.
0230 C. DHU¥â;¼¥É;Ê¼¥½. ¥ì;¼¥É;Ëöðîáö¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC          (02 0a f8)
0233 C.          ÷÷[HK1_PKT_FORM_NO]        EQ          2
0234 C.          ÷÷[HK1_PKT_GEN_TIME]        EQ          0.5S
0235 C.          ÷÷[HK1_S_TLM_BIT_RATE]     EQ          32K
0236 C.          ÷÷[HK1_X_TLM_BIT_RATE]     EQ          4M
0237 C.
0238 C. *****
0239 C. SOT TI command set
0240 C. *****
0241 C. Execute, after the success of OP upload.
0242 +. TI 2017-03-18 10:18:16.0
0243 DC 07-F0 MDP_SOT_MODE_STBY
0244 BC          (41)
0245 C. -----
0246 C. HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0247 C. -----
0248 C. ***** SOT END *****
0249 C. Stop EIS observation and temporarily disable EIS mode changes
0250 C.
0251 C.
0252 C. ***** Start EIS operation (TI set) *****
0253 C. Execute, after the success of OP upload.
0254 C. Set EIS TI-commands
0255 +. TI 2017-03-18 10:18:30.0
0256 DC 07-FC EIS_MODE_MANU
0257 BC          (21 02)
0258 +. TI 2017-03-18 10:18:40.0
0259 DC 07-FC EIS_MODE_CHG_DIS
0260 BC          (22)
0261 C.          [ ] [HK1_TI_CMD_NUM]      EQ          2 COUNTUP
0262 C. ***** End EIS operation (TI set) *****
0263 C.
0264 C.
0265 C.
0266 C. ***** XRT START *****
0267 C. Execute, after the success of OP upload.
0268 +. TI 2017-03-18 10:18:00.0
0269 DC 07-F0 MDP_XRT_MODE_STBY
0270 BC          (c3)
0271 C.          [ ] [HK1_TI_CMD_NUM]      EQ          1COUNTUP
0272 C.
0273 C. ***** XRT END *****
0274 C.
0275 C. ***** MDP `ûÃîî»ö¼ÝöîËÄö¹öèDCBC•x²è *****
0276 C. (¼á°î¥Ö¥Á¥Ë¥¥¥¥¥¥á¥ç¥èö¼öö¼Á»Üö¹öè)
0277 S. DC-BC dcbc-402:DCBC
0278 (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ¥Ð¥¹•î Daily±çîñöîË'Øö¹öèDCBC•x²è *****
0282 S. DC-BC dcbc-153:DCBC
0283 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ;ãLOS¥Á¥§¥Á¥-¼Á»Ü;ã
0287 C.
0288 C. ***** LOS *****
0289 C.

```

(a) Spacecraft Operation Procedure (real-commands)

```
main-485 2017-03-18 14:14:59 85 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY~¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YFYOYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;È¿¿Aß•µ°È»Í×ÁÇ¿ÍYçYÁY×Yí;¼YÉ;ÈÈ%µ•íÉ;ÈßÈ¼°ÇÔß•¿¿¼í¹ç¿Í;çÁ®, ù¿¹¿ßßß¿çÁ+¿®ß•ßÈßßß³ßÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. ***** AOCS Commands (Tracking Curve Upload) *****
0015 C. Upload the Orbit Element and the Target Attitude
0016 C. RAM-ID:TARGET_ATT
0017 . S. RAM ram-150:TARGET_ATT
0018 ( )
0019 C.
0020 C.
0021 C. Set the dump memory area of TARGET_ATT
0022 +. DC 02-48 AOCU_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026 C.
0027 C.
0028 C. Change the TLMFormatNo for the AOCS Dump Format
0029 +. DC 01-22 DHU_MODE_CHNG
0030 BC (04 0b f8)
0031 C.
0032 C. Wait for AOCSDUMP to end
0033 C.
0034 . C. Check the dump memory
0035 C.
0036 C. Result = OK [ ]
0037 C.
0038 +. DC 01-22 DHU_MODE_CHNG
0039 BC (02 0a f8)
0040 C.
0041 C. <A_***>[TLM STS] FMT = 2 [ ]
0042 C.
0043 +. DC 02-8E AOCU_ORB_UPD
0044 . C.
0045 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0046 +. DC 07-FC EIS_MODE_CHG_ENA
0047 BC (20)
0048 . C. Verify EIS_MODE_CHG_FLG is ENA
0049 +. DC 07-FC EIS_MODE_MANU
0050 BC (21 02)
0051 . C. Verify EIS in MANUAL mode
0052 . C. Estimated OBSTBL upload time is 23s
0053 C. *****
0054 C. EIS START OBSTBL LOAD
0055 C. *****
0056 . S. RAM ram-820:EIS_OBSTBL
0057 ( )
0058 +. DC 07-FC EIS_DUMP_OBSTBL
0059 BC (07 07 07 00 00 70 00)
0060 C.
0061 C. Execute, after the success of OBSTBL upload.
0062 C. Set EIS TI-commands
0063 +. TI 2017-03-18 10:18:50.0
0064 DC 07-FC EIS_MODE_CHG_ENA
0065 BC (20)
0066 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0067 C. *****
0068 C. EIS END OBSTBL LOAD
0069 C. *****
0070 C.
0071 . C. ***** MDP `ûÁî¿í»ó¼Y¿ÈÁß¿¹¿èDCBC•x²è *****
0072 C. (¼á°íYÓYÁYÈY¿YÈYáYçYè¿¼¿¿¼Á»Û¿¹¿è)
0073 . S. DC-BC dcbc-402:DCBC
0074 (MDP_known_event)
0075 C.
0076 C.
0077 . C. ***** YDÿ!•İ Daily±¿İÑ¿È`Ø¿¹¿èDCBC•x²è *****
0078 . S. DC-BC dcbc-153:DCBC
0079 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0080 C.
0081 C.
0082 . C. ;ãLOSÁY$YÁY~¼Á»Û;ã
0083 C.
0084 . C. ***** LOS *****
0085 C.
```



```

0096 C.
0097 C.
0098 . C. *****
0099 C. SOT table upload
0100 C. *****
0101 . C. < Stop SP table >
0102 +. DC 07-F0 MDP_SP_CTRL_MANU
0103 BC (61)
0104 C. -----
0105 C. MDP_SP_CTRL_MODE = MANU [ ]
0106 C. -----
0107 C.
0108 . C. <Upload SP Observation Table>
0109 . S. RAM ram-286:MDP_OBS_S
0110 ( )
0111 C.
0112 . C. < Dump RAMID=MDP_OBS_S >
0113 +. DC 07-F0 MDP_DUMP_SPTBL
0114 BC (83 07 00 00 00 38 b8)
0115 C. -----
0116 C. MDP_OBS_S verify = OK/NG [ ]
0117 C. -----
0118 C.
0119 C. *****
0120 C. SOT TI command set
0121 C. *****
0122 C. Execute, after the success of TBL upload.
0123 +. TI 2017-03-18 10:18:18.0
0124 DC 07-F0 MDP_SOT_MODE_OBSV
0125 BC (40)
0126 . C. -----
0127 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0128 C. -----
0129 C.
0130 C.
0131 C. ***** XRT START *****
0132 C.
0133 +. DC 07-F0 MDP_XRT_CTRL_MANU
0134 BC (c1)
0135 + DC 07-F0 MDP_XRT_MODE_STBY
0136 BC (c3)
0137 . C. ----- Success Verify ? OK / NG____
0138 C.
0139 C. XRT Obs. Table Upload
0140 . S. RAM ram-291:MDP_OBS_X
0141 ( )
0142 C.
0143 +. DC 07-F0 MDP_DUMP_XRTTBL
0144 BC (84 07 00 00 00 3a d4)
0145 . C. ----- Comparison Check ? OK / ERR ____
0146 C.
0147 C.
0148 +. DC 07-F0 MDP_XRT_ROI_SET
0149 BC (cd 01 b1 b1 04 04)
0150 + DC 07-F0 MDP_XRT_ROI_SET
0151 BC (cd 02 b1 b1 08 08)
0152 + DC 07-F0 MDP_XRT_ROI_SET
0153 BC (cd 03 b1 b1 08 08)
0154 + DC 07-F0 MDP_XRT_ROI_SET
0155 BC (cd 04 b1 b1 06 06)
0156 + DC 07-F0 MDP_XRT_ROI_SET
0157 BC (cd 06 85 83 06 06)
0158 + DC 07-F0 MDP_XRT_ROI_SET
0159 BC (cd 07 80 80 20 20)
0160 + DC 07-F0 MDP_XRT_ROI_SET
0161 BC (cd 08 80 80 20 08)
0162 + DC 07-F0 MDP_XRT_ROI_SET
0163 BC (cd 09 80 80 08 20)
0164 + DC 07-F0 MDP_XRT_ROI_SET
0165 BC (cd 0a 85 83 02 02)
0166 + DC 07-F0 MDP_XRT_ROI_SET
0167 BC (cd 0b 80 80 08 08)
0168 + DC 07-F0 MDP_XRT_ROI_SET
0169 BC (cd 0f 80 80 06 06)
0170 + DC 07-F0 MDP_XRT_ROI_SET
0171 BC (cd 10 80 80 08 08)
0172 + DC 07-F0 MDP_XRT_FLD_ENA
0173 BC (d8)
0174 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0175 BC (c8)
0176 + DC 07-F0 MDP_XRT_ARS_DIS
0177 BC (d5)
0178 + DC 07-F0 MDP_XRT_AEC_RESET
0179 BC (d0)
0180 + DC 07-F0 MDP_XRT_FLD_RESET
0181 BC (da)
0182 . C. ----- Success Verify ? OK / NG ____
0183 C.
0184 C.
0185 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0186 C.
0187 +. DC 07-F0 MDP_XRT_MODE_OBSV
0188 BC (c2)
0189 +. TI 2017-03-18 10:18:02.0
0190 DC 07-F0 MDP_XRT_MODE_OBSV
0191 BC (c2)
0192 . C. ----- Success Verify ? OK / NG ____
0193 C.

```



\*\*\* OP Sequence for XRT \*\*\*

```

2017/03/18 10:28:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2017/03/18 10:28:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2017/03/18 10:28:58.0 XRT_FOCUS_POSITION_410_OG [0x19a]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2017/03/18 10:29:00.0 AOCS_Ore-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 00 54 b4 01 f3
2017/03/18 10:29:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2017/03/18 10:29:20.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2017/03/18 10:29:22.0 XRT_AEC_RESET_448_OG [0x1c0]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2017/03/18 10:29:24.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2017/03/18 10:29:26.0 XRT_FLD_RESET_433_OG [0x1b1]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2017/03/18 10:31:56.0 XRT_QT_PROG_SET_440_OG [0x1b8]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 10
2017/03/18 10:31:58.0 XRT_FL_PROG_SET_436_OG [0x1b4]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 07
2017/03/18 10:32:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2017/03/18 15:39:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2017/03/18 15:39:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2017/03/18 15:39:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2017/03/18 15:39:06.0 XRT_PREFLR_STRT_414_OG [0x19e]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2017/03/18 15:42:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2017/03/18 15:54:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2017/03/18 15:54:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2017/03/18 15:54:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2017/03/18 15:54:06.0 XRT_PREFLR_STRT_414_OG [0x19e]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2017/03/18 15:57:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2017/03/18 16:02:00.0 XRT_Custom_430_OG [0x1ae]
2017/03/18 16:03:00.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2017/03/18 17:15:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2017/03/18 17:15:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2017/03/18 17:15:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2017/03/18 17:15:06.0 XRT_PREFLR_STRT_414_OG [0x19e]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2017/03/18 17:18:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2017/03/18 17:38:30.0 XRT_Custom_430_OG [0x1ae]
2017/03/18 17:39:30.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2017/03/18 17:55:24.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2017/03/18 17:55:26.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2017/03/18 17:55:28.0 XRT_FOCUS_POSITION_403_OG [0x193]
                        XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00
2017/03/18 17:55:30.0 AOCS_Ore-point_Start_2_OG [0x098]
                        AOCU_NM 5 02-76 00 00 00 00 00
2017/03/18 17:55:48.0 XRT_FLD_DIS_406_OG [0x196]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2017/03/18 17:58:24.0 XRT_FLRCTRL_DIS_405_OG [0x195]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2017/03/18 17:58:26.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2017/03/18 17:58:28.0 XRT_QT_PROG_SET_417_OG [0x1a1]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 0e
2017/03/18 17:58:30.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2017/03/18 18:05:24.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2017/03/18 18:05:26.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2017/03/18 18:05:28.0 XRT_FOCUS_POSITION_410_OG [0x19a]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2017/03/18 18:05:30.0 AOCS_Ore-point_Start_3_OG [0x099]
                        AOCU_NM 5 02-76 01 00 00 00 00
2017/03/18 18:05:48.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2017/03/18 18:05:50.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2017/03/18 18:05:52.0 XRT_AEC_RESET_448_OG [0x1c0]

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2017/03/18	18:05:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
			MDP_XRT_ARS_DIS	1	07-F0	d5
2017/03/18	18:05:56.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da
2017/03/18	18:08:26.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2017/03/18	18:08:28.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07
2017/03/18	18:08:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/03/18	18:52:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/18	18:52:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/18	18:52:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2017/03/18	18:52:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/03/18	18:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/03/18	19:15:30.0	XRT_Custom_430_OG [0x1ae]				
2017/03/18	19:16:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/03/18	20:29:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/18	20:29:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/18	20:29:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2017/03/18	20:29:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/03/18	20:32:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/03/18	20:52:30.0	XRT_Custom_430_OG [0x1ae]				
2017/03/18	20:53:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/03/18	22:06:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/18	22:06:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/18	22:06:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2017/03/18	22:06:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/03/18	22:09:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/03/18	22:28:30.0	XRT_Custom_430_OG [0x1ae]				
2017/03/18	22:29:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/03/18	23:43:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/18	23:43:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/18	23:43:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2017/03/18	23:43:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/03/18	23:46:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/03/18	23:56:00.0	XRT_Custom_430_OG [0x1ae]				
2017/03/18	23:57:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/03/19	01:11:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/19	01:11:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/19	01:11:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2017/03/19	01:11:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/03/19	01:14:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/03/19	01:27:00.0	XRT_Custom_430_OG [0x1ae]				
2017/03/19	01:28:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/03/19	02:42:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/19	02:42:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/19	02:42:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2017/03/19	02:42:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/03/19	02:45:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/03/19	03:03:00.5	XRT_Custom_430_OG [0x1ae]				
2017/03/19	03:04:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/03/19	04:11:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/19	04:11:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1



2017/03/19	04:11:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2017/03/19	04:11:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/03/19	04:14:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/03/19	04:40:30.0	XRT_Custom_430_OG [0x1ae]				
2017/03/19	04:41:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/03/19	05:51:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/19	05:51:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/19	05:51:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2017/03/19	05:51:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/03/19	05:54:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/03/19	06:18:00.0	XRT_Custom_430_OG [0x1ae]				
2017/03/19	06:19:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/03/19	06:27:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/19	06:27:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/19	06:27:28.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2017/03/19	06:27:30.0	AOCS_Or-e-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00
2017/03/19	06:27:48.0	XRT_FLD_DIS_406_OG [0x196]	MDP_XRT_FLD_DIS	1	07-F0	d9
2017/03/19	06:30:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2017/03/19	06:30:26.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2017/03/19	06:30:28.0	XRT_QT_PROG_SET_417_OG [0x1a1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e
2017/03/19	06:30:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/03/19	06:37:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/19	06:37:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/19	06:37:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2017/03/19	06:37:30.0	AOCS_Or-e-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01 00 00 00 00
2017/03/19	06:37:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2017/03/19	06:37:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2017/03/19	06:37:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2017/03/19	06:37:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2017/03/19	06:37:56.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da
2017/03/19	06:40:26.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2017/03/19	06:40:28.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07
2017/03/19	06:40:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/03/19	07:31:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/19	07:31:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/19	07:31:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2017/03/19	07:31:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/03/19	07:34:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/03/19	07:55:00.0	XRT_Custom_430_OG [0x1ae]				
2017/03/19	07:56:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/03/19	09:11:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/19	09:11:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/19	09:11:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2017/03/19	09:11:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/03/19	09:14:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/03/19	09:31:00.0	XRT_Custom_430_OG [0x1ae]				
2017/03/19	09:32:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/03/19	10:53:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/03/19	10:53:32.0	XRT_CTRL_MANU_402_OG [0x192]				

2017/03/19	10:53:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/19	10:53:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/03/19	10:56:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2017/03/19	10:57:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/03/19	10:58:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/03/19	13:29:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/19	13:29:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/19	13:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/19	13:30:00.0	AOCS_OrE-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2017/03/19	13:30:18.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	04 02 f1 01 f3		
2017/03/19	13:30:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2017/03/19	13:30:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2017/03/19	13:30:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2017/03/19	13:30:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2017/03/19	13:32:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/03/19	13:32:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f		
2017/03/19	13:33:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07		
2017/03/19	19:49:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/03/19	19:49:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/19	19:49:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/19	19:50:00.0	AOCS_OrE-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2017/03/19	19:50:18.0	XRT_FLD_DIS_406_OG [0x196]	AOCU_NM	5	02-76	00 00 00 00 00		
2017/03/19	19:52:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2017/03/19	19:52:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2017/03/19	19:52:58.0	XRT_QT_PROG_SET_417_OG [0x1a1]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2017/03/19	19:53:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e		
2017/03/19	20:00:14.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/03/19	20:00:16.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/19	20:00:18.0	XRT_FOCUS_RECALIBRATE_416_OG [0x1a0]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/19	20:00:20.0	AOCS_OrE-point_Start_3_OG [0x099]	XRT_FOCUS_RECAL	2	07-F8	78 00		
2017/03/19	20:04:18.0	XRT_FOCUS_POSITION_410_OG [0x19a]	AOCU_NM	5	02-76	01 00 00 00 00		
2017/03/19	20:04:38.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2017/03/19	20:04:40.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2017/03/19	20:04:42.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2017/03/19	20:04:44.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2017/03/19	20:04:46.0	XRT_FLD_RESET_431_OG [0x1af]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2017/03/19	20:06:56.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/03/19	20:06:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a		
2017/03/19	20:07:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07		
2017/03/19	21:04:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/03/19	21:04:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/19	21:04:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/19	21:04:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/03/19	21:07:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2017/03/19	21:27:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/03/19	21:28:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/03/19	22:41:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		

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2017/03/19	22:41:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/19	22:41:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/03/19	22:41:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2017/03/19	22:44:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/03/19	22:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/19	22:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/19	22:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2017/03/19	23:00:00.0	AOCS_Ore-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	02 00 00 00 00		
2017/03/19	23:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2017/03/19	23:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2017/03/19	23:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2017/03/19	23:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2017/03/19	23:00:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/03/19	23:02:56.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 09		
2017/03/19	23:02:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07		
2017/03/19	23:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/03/20	00:18:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/20	00:18:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/20	00:18:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/03/20	00:18:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2017/03/20	00:21:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/03/20	00:27:00.0	XRT_Custom_430_OG [0x1ae]						
2017/03/20	00:28:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/03/20	01:43:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/20	01:43:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/20	01:43:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/03/20	01:43:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2017/03/20	01:46:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/03/20	02:01:30.0	XRT_Custom_430_OG [0x1ae]						
2017/03/20	02:02:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/03/20	02:29:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/20	02:29:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/20	02:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2017/03/20	02:30:00.0	AOCS_Ore-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	03 00 00 00 00		
2017/03/20	02:30:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2017/03/20	02:30:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2017/03/20	02:30:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2017/03/20	02:30:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2017/03/20	02:30:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/03/20	02:32:56.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 09		
2017/03/20	02:32:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07		
2017/03/20	02:33:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/03/20	03:17:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/20	03:17:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/03/20	03:17:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/03/20	03:17:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2017/03/20	03:20:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/03/20	03:38:00.0	XRT_Custom_430_OG [0x1ae]						

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2017/03/20	03:39:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/03/20	04:47:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	04:47:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	04:47:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/03/20	04:47:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/03/20	04:50:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/03/20	05:15:30.0	XRT_Custom_430_OG [0x1ae]					
2017/03/20	05:16:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/03/20	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	05:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	05:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2017/03/20	06:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00	
2017/03/20	06:00:18.0	XRT_FLD_DIS_406_OG [0x196]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2017/03/20	06:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2017/03/20	06:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2017/03/20	06:02:58.0	XRT_QT_PROG_SET_417_OG [0x1a1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e	
2017/03/20	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/03/20	06:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	06:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	06:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2017/03/20	06:10:00.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01 00 00 00 00	
2017/03/20	06:10:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2017/03/20	06:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2017/03/20	06:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2017/03/20	06:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2017/03/20	06:10:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/03/20	06:12:56.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a	
2017/03/20	06:12:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07	
2017/03/20	06:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/03/20	06:27:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	06:27:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	06:27:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/03/20	06:27:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/03/20	06:30:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/03/20	06:53:00.0	XRT_Custom_430_OG [0x1ae]					
2017/03/20	06:54:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/03/20	08:07:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	08:07:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	08:07:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/03/20	08:07:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/03/20	08:10:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/03/20	08:30:00.0	XRT_Custom_430_OG [0x1ae]					
2017/03/20	08:31:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/03/20	09:47:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	09:47:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	09:47:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/03/20	09:47:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/03/20	09:50:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	

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2017/03/20	10:04:30.0	XRT_Custom_430_OG [0x1ae]							
2017/03/20	10:05:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/03/20	15:12:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/03/20	15:12:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/03/20	15:12:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/03/20	15:12:36.0	XRT_PREFLR_STRT_414_OG [0x19e]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2017/03/20	15:15:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2017/03/20	15:25:30.0	XRT_Custom_430_OG [0x1ae]							
2017/03/20	15:26:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/03/20	16:48:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/03/20	16:48:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/03/20	16:48:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/03/20	16:48:06.0	XRT_PREFLR_STRT_414_OG [0x19e]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2017/03/20	16:51:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2017/03/20	17:12:00.0	XRT_Custom_430_OG [0x1ae]							
2017/03/20	17:13:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/03/20	17:59:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/03/20	17:59:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/03/20	17:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2017/03/20	18:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2017/03/20	18:00:18.0	XRT_FLD_DIS_406_OG [0x196]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2017/03/20	18:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2017/03/20	18:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2017/03/20	18:02:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2017/03/20	18:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/03/20	18:09:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/03/20	18:09:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/03/20	18:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2017/03/20	18:10:00.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2017/03/20	18:10:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2017/03/20	18:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2017/03/20	18:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2017/03/20	18:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2017/03/20	18:10:26.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/03/20	18:12:56.0	XRT_QT_PROG_SET_427_OG [0x1ab]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a				
2017/03/20	18:12:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2017/03/20	18:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/03/20	18:25:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/03/20	18:25:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/03/20	18:25:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/03/20	18:25:06.0	XRT_PREFLR_STRT_414_OG [0x19e]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2017/03/20	18:28:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2017/03/20	18:48:30.0	XRT_Custom_430_OG [0x1ae]							
2017/03/20	18:49:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/03/20	20:02:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/03/20	20:02:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/03/20	20:02:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/03/20	20:02:06.0	XRT_PREFLR_STRT_414_OG [0x19e]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2017/03/20	20:05:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							

2017/03/20	20:25:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/03/20	20:26:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
2017/03/20	21:39:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/03/20	21:39:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	21:39:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	21:39:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/03/20	21:42:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/03/20	22:02:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/03/20	22:03:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
2017/03/20	23:16:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/03/20	23:16:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	23:16:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	23:16:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/03/20	23:19:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/03/20	23:34:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/03/20	23:35:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
2017/03/20	23:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/03/20	23:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/20	23:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	00:00:00.0	AOCS_OrE-point_Start_7_OG [0x09d]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2017/03/21	00:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00 08 e5 ae 0d	
2017/03/21	00:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2017/03/21	00:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2017/03/21	00:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2017/03/21	00:00:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2017/03/21	00:02:56.0	XRT_QT_PROG_SET_442_OG [0x1ba]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/03/21	00:02:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12	
2017/03/21	00:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07	
2017/03/21	00:53:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/03/21	00:53:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	00:53:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	00:53:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/03/21	00:56:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/03/21	01:00:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/03/21	01:01:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
2017/03/21	02:16:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/03/21	02:16:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	02:16:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	02:16:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/03/21	02:19:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/03/21	02:36:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/03/21	02:37:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]					
2017/03/21	03:47:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/03/21	03:47:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	03:47:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	03:47:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/03/21	03:50:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/03/21	04:13:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/03/21	04:14:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	

2017/03/21	05:23:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	05:23:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	05:23:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/03/21	05:23:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/03/21	05:26:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/03/21	05:50:30.0	XRT_Custom_430_OG [0x1ae]					
2017/03/21	05:51:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/03/21	06:00:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	06:00:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	06:00:28.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2017/03/21	06:00:30.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00	
2017/03/21	06:00:48.0	XRT_FLD_DIS_406_OG [0x196]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2017/03/21	06:03:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2017/03/21	06:03:26.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2017/03/21	06:03:28.0	XRT_QT_PROG_SET_417_OG [0x1a1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e	
2017/03/21	06:03:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/03/21	06:10:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	06:10:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	06:10:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2017/03/21	06:10:30.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01 00 00 00 00	
2017/03/21	06:10:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2017/03/21	06:10:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2017/03/21	06:10:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2017/03/21	06:10:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2017/03/21	06:10:56.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/03/21	06:13:26.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a	
2017/03/21	06:13:28.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07	
2017/03/21	06:13:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/03/21	07:03:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	07:03:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	07:03:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/03/21	07:03:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/03/21	07:06:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/03/21	07:28:00.0	XRT_Custom_430_OG [0x1ae]					
2017/03/21	07:29:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/03/21	08:43:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	08:43:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/03/21	08:43:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/03/21	08:43:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/03/21	08:46:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/03/21	10:37:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00	