

# XRT Timeline to be uploaded on 2017/05/09

Period: 2017/05/09 10:47:00 - 2017/05/13 10:59:00

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## Normal mode

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### XOB #1B82: CME watch - 4x4 - AEC 1/2/3 - Al-poly - G-band (1x1,512x512,3ms) - Leak (1x1,512x512,3ms) - 90s cad (G-band/Leak first)

Term	Pointing (x, y)	Comment
05/09 11:00:00 - 05/09 11:12:54	Fixed ( 936.0, 0.0)	# OP start + 10min. HOP-130 (EIS full Sun scan). 1/15
05/09 11:16:00 - 05/09 11:38:30	Fixed ( 468.0, 0.0)	# 2/15
05/09 12:14:06 - 05/09 12:19:54	Fixed ( 0.0, 0.0)	# 3/15
05/09 12:23:00 - 05/09 12:35:54	Fixed (-468.0, 0.0)	# 4/15
05/09 12:39:00 - 05/09 12:51:54	Fixed (-936.0, 0.0)	# 5/15
05/09 12:55:00 - 05/09 13:17:00	Fixed ( 815.0, 470.0)	# 6/15
05/09 13:45:00 - 05/09 13:57:54	Fixed ( 411.0, 847.0)	# 7/15
05/09 14:01:00 - 05/09 14:13:54	Fixed ( 0.0, 941.0)	# 8/15
05/09 14:17:00 - 05/09 14:29:54	Fixed (-411.0, 847.0)	# 9/15
05/09 14:33:00 - 05/09 14:39:54	Fixed (-815.0, 470.0)	# 10/15
05/09 14:43:00 - 05/09 15:44:24	Fixed ( 815.0, -470.0)	# 11/15
05/09 15:47:30 - 05/09 16:00:24	Fixed ( 411.0, -847.0)	# 12/15
05/09 16:03:30 - 05/09 16:16:24	Fixed ( 0.0, -941.0)	# 13/15
05/09 16:19:30 - 05/09 17:20:54	Fixed (-411.0, -847.0)	# 14/15
05/09 17:24:00 - 05/09 17:56:54	Fixed (-815.0, -471.0)	# 15/15

**PROG= 09 Inf.-time(s)**

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
└─ Subr= 2	40-time(s)	90.0sec										
└─ Seqn= 60	1-time(s)	2.0sec										
└─ Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	4x4	2048x2048 (1024, 1024)	DPCM	1	0	2.0sec
└─ 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	

### XOB #1B64: Synoptic Q95 2x2 - Al/mesh(64/512/2048) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(45/512/4096) + Ti-poly(45/512/4096)

Term	Pointing (x, y)	Comment
05/09 18:00:00 - 05/09 18:09:00	Fixed ( 0.0, 0.0)	synoptic + XRT stray-light observations.
05/10 06:10:30 - 05/10 06:17:24	Fixed ( 0.0, 0.0)	synoptic, shifted 7.5 min
05/10 18:35:00 - 05/10 18:44:30	Fixed ( 0.0, 0.0)	synoptic + XRT stray-light observations.
05/11 00:09:00 - 05/11 00:13:00	Track ( -22.1, -33.1) @ 05/11 00:00:00	# EIS QS/BP observations.
05/11 05:38:30 - 05/11 05:45:24	Fixed ( 0.0, 0.0)	synoptic, shifted -24.5 min
05/11 09:15:06 - 05/11 09:22:30	Track ( 31.0, -33.5) @ 05/11 05:45:30	# EIS QS/BP obs.

**PROG= 11 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= 27	1-time(s)	2.0sec										
└─ Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	63ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	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
└─ 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= 85	1-time(s)	2.0sec										
└─ thin-Be/Open	thin-Be/Open	close	Safe	Norm	354ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	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
└─ 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 #1B83: Stray light study 2017-1 ;Al-mesh and Ti-poly, 2x2 full FOV(1min-cad) and 2x2 256 on AR(10sec-cad)

Term	Pointing (x, y)	Comment
05/09 18:11:30 - 05/09 18:29:54	Fixed ( 0.0, 0.0)	synoptic + XRT stray-light observations.

**PROG= 01 1-time(s)**

Subr= 2	21-time(s)	2.0sec										
└─ Seqn= 4	1-time(s)	10.0sec										
└─ Open/Ti-poly	Open/thick-Al	close	Safe	Norm	250ms	Obs	2x2	512x512 (1024, 1200)	Q=95	0	0	2.0sec
└─ Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	2x2	512x512 (1024, 1200)	Q=95	0	0	2.0sec
└─ Subr= 3	10-time(s)	2.0sec										
└─ Seqn= 95	1-time(s)	2.0sec										

Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
<b>Seqn= 4 5-time(s) 10.0sec</b>												
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	250ms	Obs	2x2	512x512 (1024, 1200)	Q=95	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	2x2	512x512 (1024, 1200)	Q=95	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

**XOB #1B49: AR Standard-A(Filter-Ratio with Al/poly and thin-Be) with PFB, 384x384 at 1064 1048, thin-Be, thick-Al, Al/Poly context, with G-band (3ms/3ms)**

Term	Pointing (x, y)	Comment
05/09 18:52:31 - 05/10 05:26:30	Track ( 365.9, 232.1) <sup>@ 05/09 18:30:00</sup>	# AR 12655.
05/10 06:20:30 - 05/10 18:31:54	Track ( 461.1, 228.6) <sup>@ 05/10 06:17:30</sup>	# AR obs.
05/10 19:27:31 - 05/10 23:42:30	Track ( 557.2, 224.3) <sup>@ 05/10 19:02:00</sup>	# AR obs.

**PROG= 18 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

**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= 28 30-time(s) 60.0sec**

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

**XOB #1B84: Stray light study 2017-2 ;Al-poly and thin-Be, 2x2 full FOV(1min-cad) and 2x2 256 on AR(10sec-cad)**

Term	Pointing (x, y)	Comment
05/10 18:47:00 - 05/10 19:01:54	Fixed ( 0.0, 0.0)	synoptic + XRT stray-light observations.

**PROG= 03 1-time(s)**

**Subr= 2 21-time(s) 2.0sec**

**Seqn= 4 1-time(s) 10.0sec**

Open/Ti-poly	Open/thick-Al	close	Safe	Norm	250ms	Obs	2x2	512x512 (1024, 1200)	Q=95	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	2x2	512x512 (1024, 1200)	Q=95	0	0	2.0sec

**Subr= 3 7-time(s) 2.0sec**

**Seqn= 82 1-time(s) 2.0sec**

Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	11.3s	Obs	2x2	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec

**Seqn= 4 5-time(s) 10.0sec**

Open/Ti-poly	Open/thick-Al	close	Safe	Norm	250ms	Obs	2x2	512x512 (1024, 1200)	Q=95	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	2x2	512x512 (1024, 1200)	Q=95	0	0	2.0sec

**XOB #1B7B: CME watch - 4x4 - AEC 1/2/3 - Al-poly - G-band (1x1,512x512,3ms) - Leak (1x1,512x512,3ms) - 180s cad (G-band/Leak first)**

Term	Pointing (x, y)	Comment
05/11 00:16:06 - 05/11 05:35:24	Track ( -22.1, -33.1) <sup>@ 05/11 00:00:00</sup>	# EIS QS/BP observations.
05/11 05:48:30 - 05/11 09:12:00	Track ( 31.0, -33.5) <sup>@ 05/11 05:45:30</sup>	# EIS QS/BP obs.

**PROG= 02 Inf.-time(s)**

**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

**Subr= 2 20-time(s) 180.0sec**

**Seqn= 60 1-time(s) 2.0sec**

Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	4x4	2048x2048 (1024, 1024)	DPCM	1	0	2.0sec
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

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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 512x512)**

Term	Pointing (x, y)	Comment
05/09 11:00:00 - 05/09 11:12:54	Fixed ( 936.0, 0.0)	# OP start + 10min. HOP-130 (EIS full Sun scan). 1/15
05/09 11:16:00 - 05/09 11:38:30	Fixed ( 468.0, 0.0)	# 2/15
05/09 12:14:06 - 05/09 12:19:54	Fixed ( 0.0, 0.0)	# 3/15
05/09 12:23:00 - 05/09 12:35:54	Fixed ( -468.0, 0.0)	# 4/15
05/09 12:39:00 - 05/09 12:51:54	Fixed ( -936.0, 0.0)	# 5/15
05/09 12:55:00 - 05/09 13:17:00	Fixed ( 815.0, 470.0)	# 6/15
05/09 13:45:00 - 05/09 13:57:54	Fixed ( 411.0, 847.0)	# 7/15
05/09 14:01:00 - 05/09 14:13:54	Fixed ( 0.0, 941.0)	# 8/15

05/09 14:17:00 - 05/09 14:29:54	Fixed ( -411.0, 847.0)	# 9/15
05/09 14:33:00 - 05/09 14:39:54	Fixed ( -815.0, 470.0)	# 10/15
05/09 14:43:00 - 05/09 15:44:24	Fixed ( 815.0, -470.0)	# 11/15
05/09 15:47:30 - 05/09 16:00:24	Fixed ( 411.0, -847.0)	# 12/15
05/09 16:03:30 - 05/09 16:16:24	Fixed ( 0.0, -941.0)	# 13/15
05/09 16:19:30 - 05/09 17:20:54	Fixed ( -411.0, -847.0)	# 14/15
05/09 17:24:00 - 05/09 17:56:54	Fixed ( -815.0, -471.0)	# 15/15
05/09 18:52:31 - 05/09 21:29:00	Track ( 365.9, 232.1) @ 05/09 18:30:00	# AR 12655.
05/09 22:06:31 - 05/10 05:26:30	Track ( 365.9, 232.1) @ 05/09 18:30:00	# AR 12655.
05/10 06:20:30 - 05/10 18:31:54	Track ( 461.1, 228.6) @ 05/10 06:17:30	# AR obs.
05/10 19:27:31 - 05/10 23:42:30	Track ( 557.2, 224.3) @ 05/10 19:02:00	# AR obs.
05/11 00:16:06 - 05/11 05:35:24	Track ( -22.1, -33.1) @ 05/11 00:00:00	# EIS QS/BP observations.
05/11 05:48:30 - 05/11 09:12:00	Track ( 31.0, -33.5) @ 05/11 05:45:30	# EIS QS/BP obs.

**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

\* \* \* \* \*

**Active Region Search**

\* \* \* \* \*

NOT USED

\* \* \* \* \*

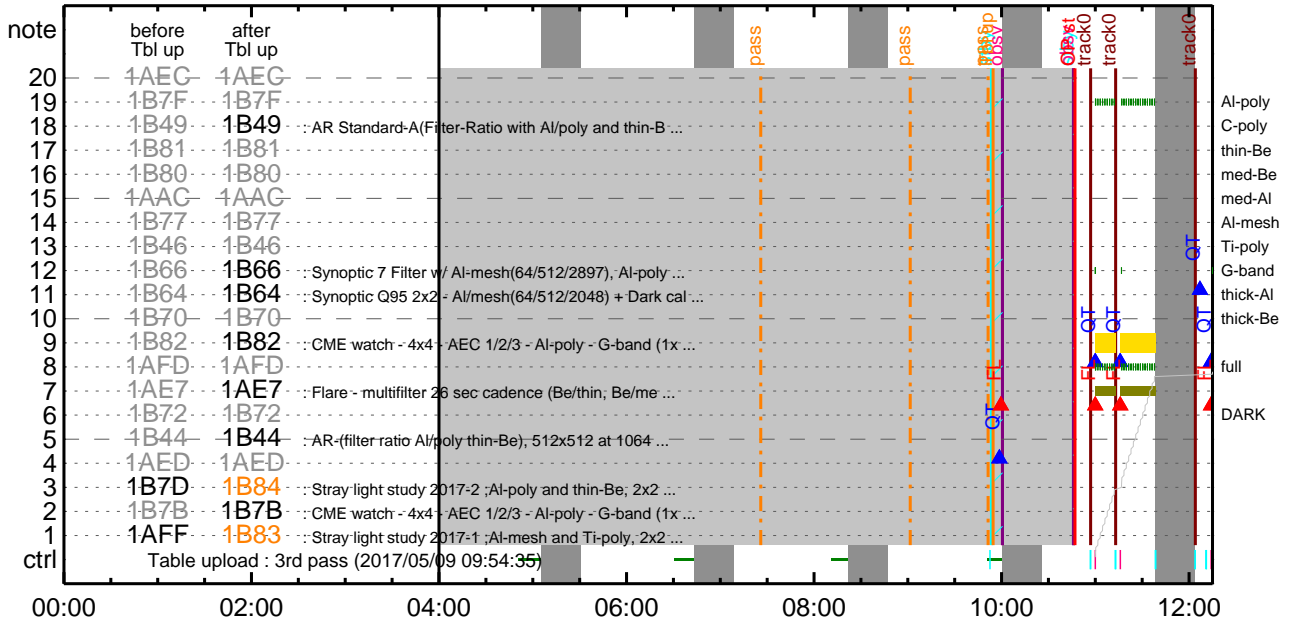
**Flare Detection**

\* \* \* \* \*

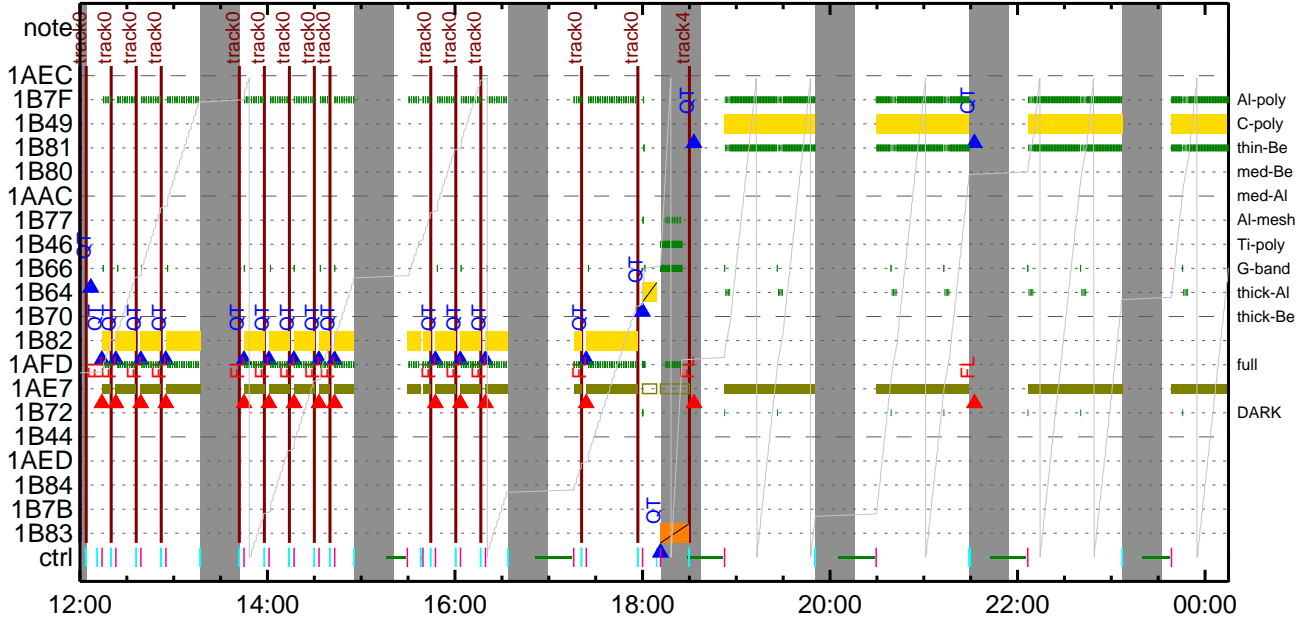
**FLD Patrol**

Term	Pointing (x, y)	Comment
05/09 12:11:24 - 05/09 17:57:18	Fixed ( 0.0, 0.0)	# 3/15
05/09 18:30:18 - 05/10 06:07:48	Track ( 365.9, 232.1) @ 05/09 18:30:00	# AR 12655.
05/10 06:17:48 - 05/10 18:32:18	Track ( 461.1, 228.6) @ 05/10 06:17:30	# AR obs.
05/10 19:02:18 - 05/11 00:00:18	Track ( 557.2, 224.3) @ 05/10 19:02:00	# AR obs.
05/11 00:13:24 - 05/11 05:35:48	Track ( -22.1, -33.1) @ 05/11 00:00:00	# EIS QS/BP observations.
05/11 05:45:48 - 05/11 09:12:24	Track ( 31.0, -33.5) @ 05/11 05:45:30	# EIS QS/BP obs.
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	

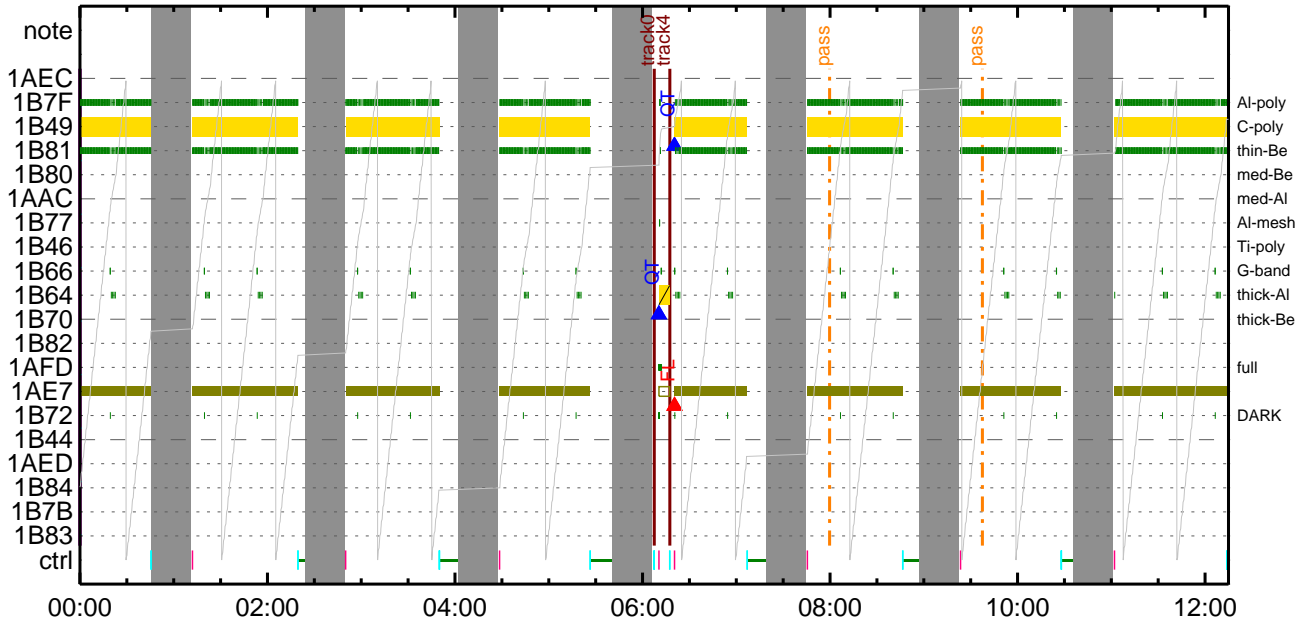
### CMDI #0735 2017/05/09



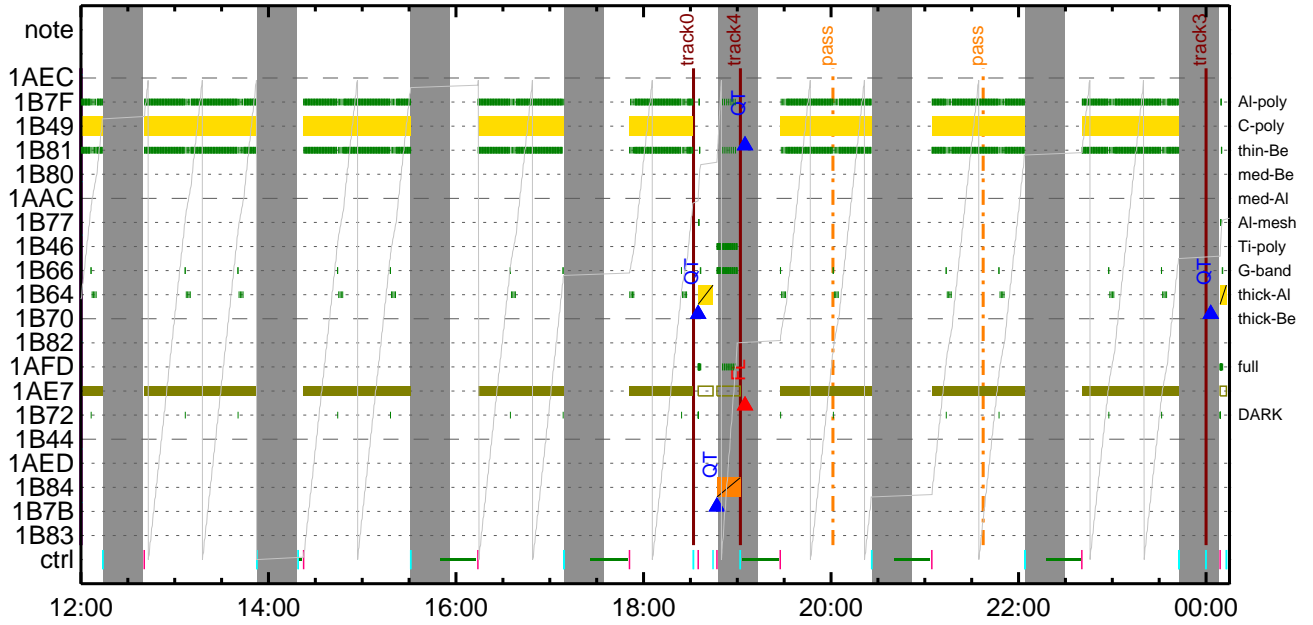
### CMDI #0735 2017/05/09



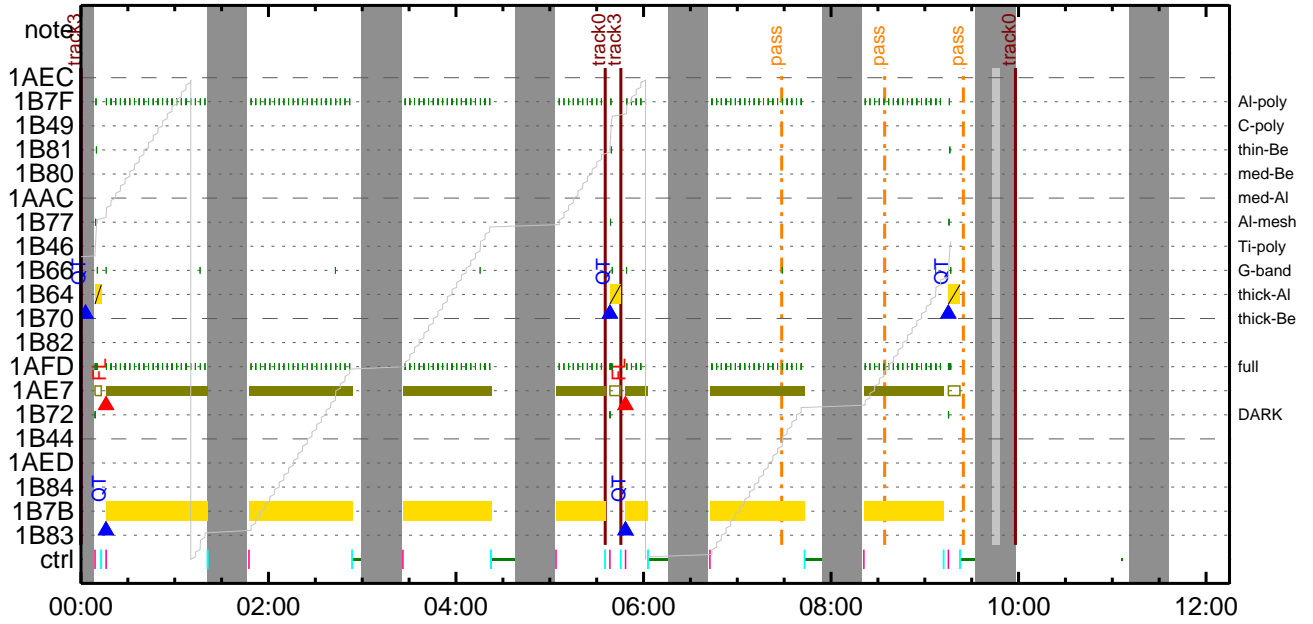
### CMDI #0735 2017/05/10



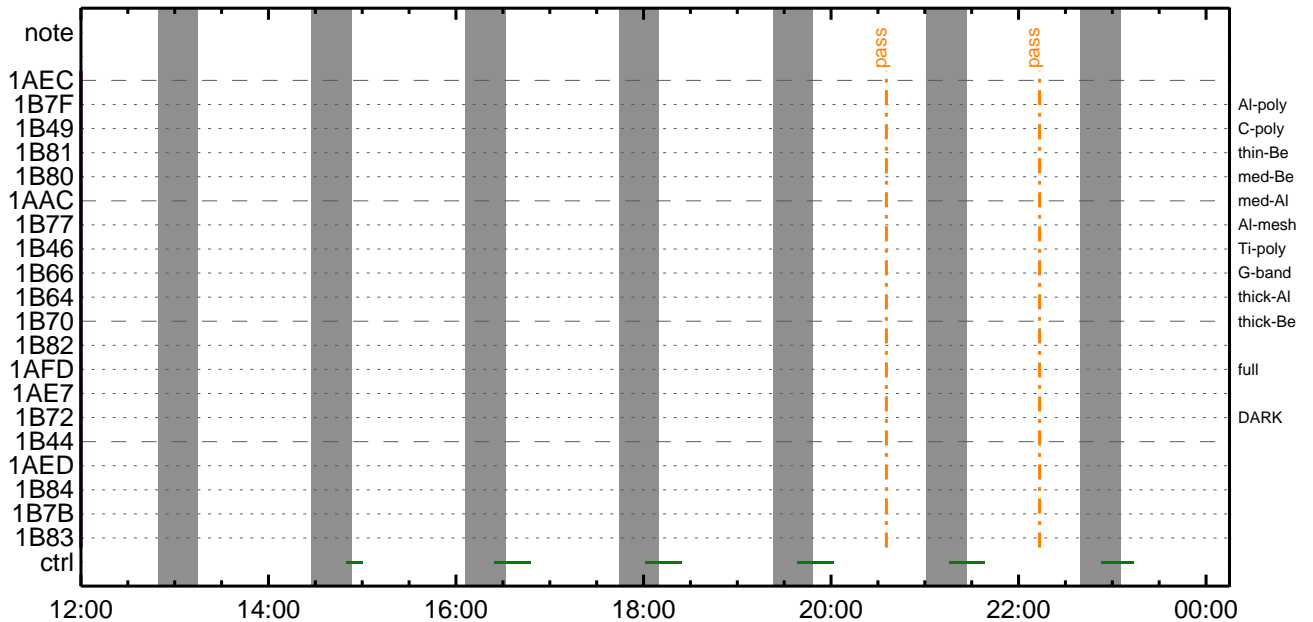
CMDI #0735 2017/05/10



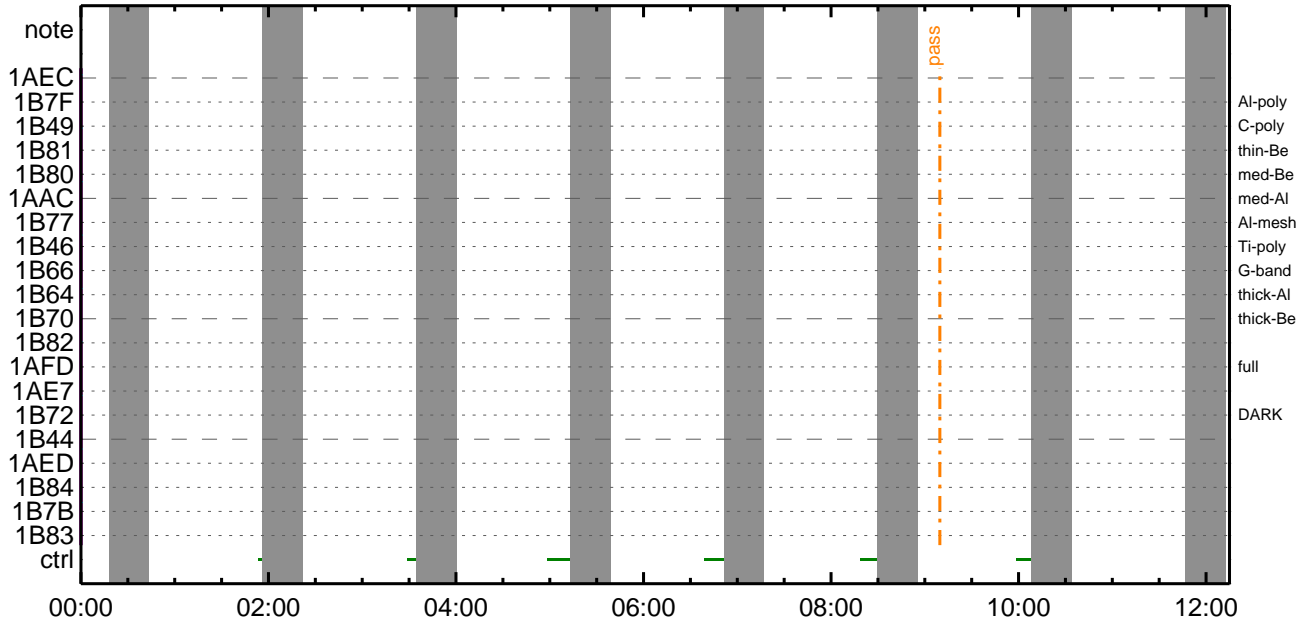
CMDI #0735 2017/05/11



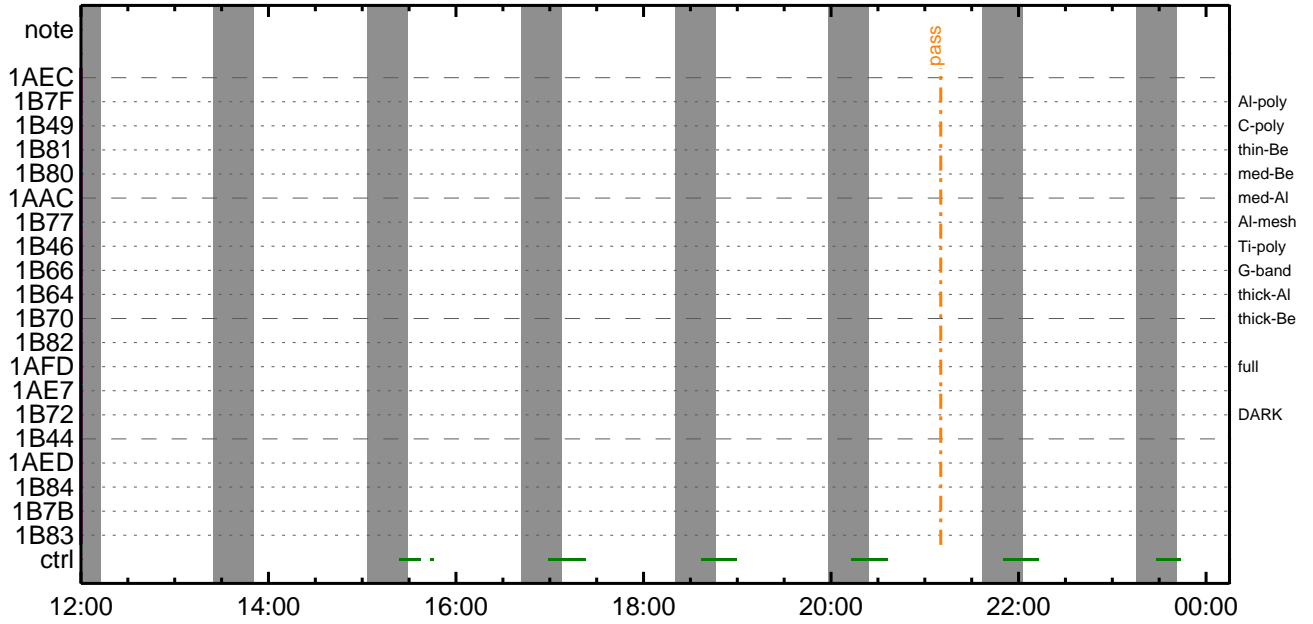
CMDI #0735 2017/05/11



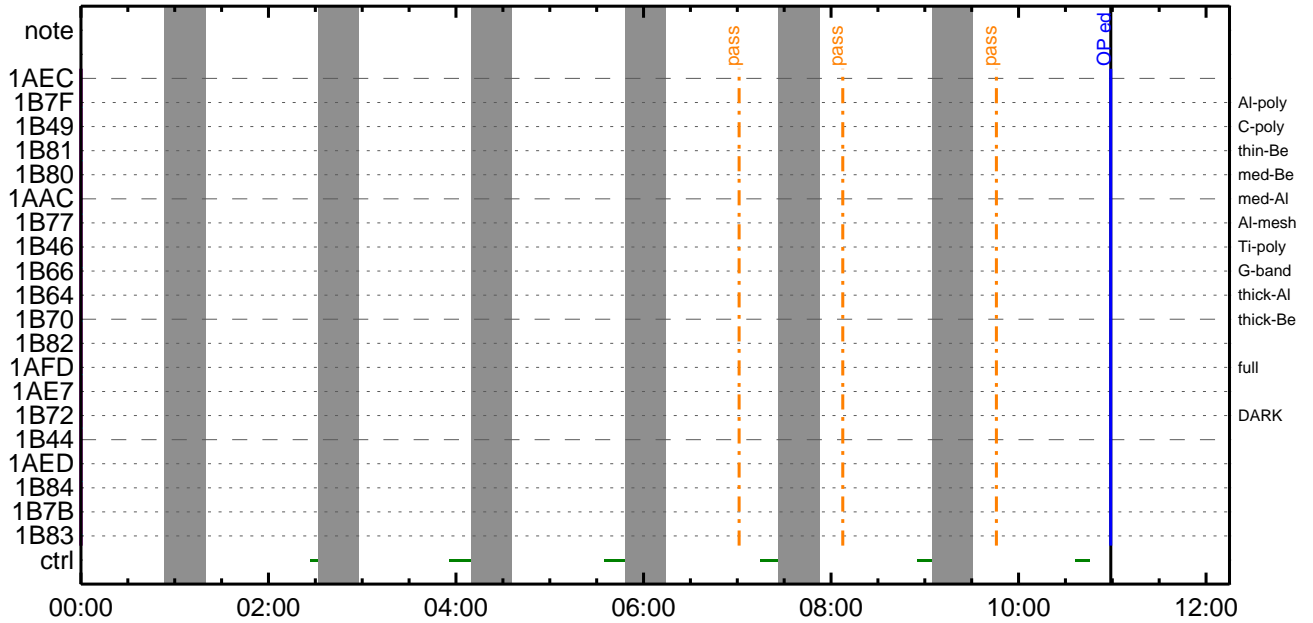
CMDI #0735 2017/05/12



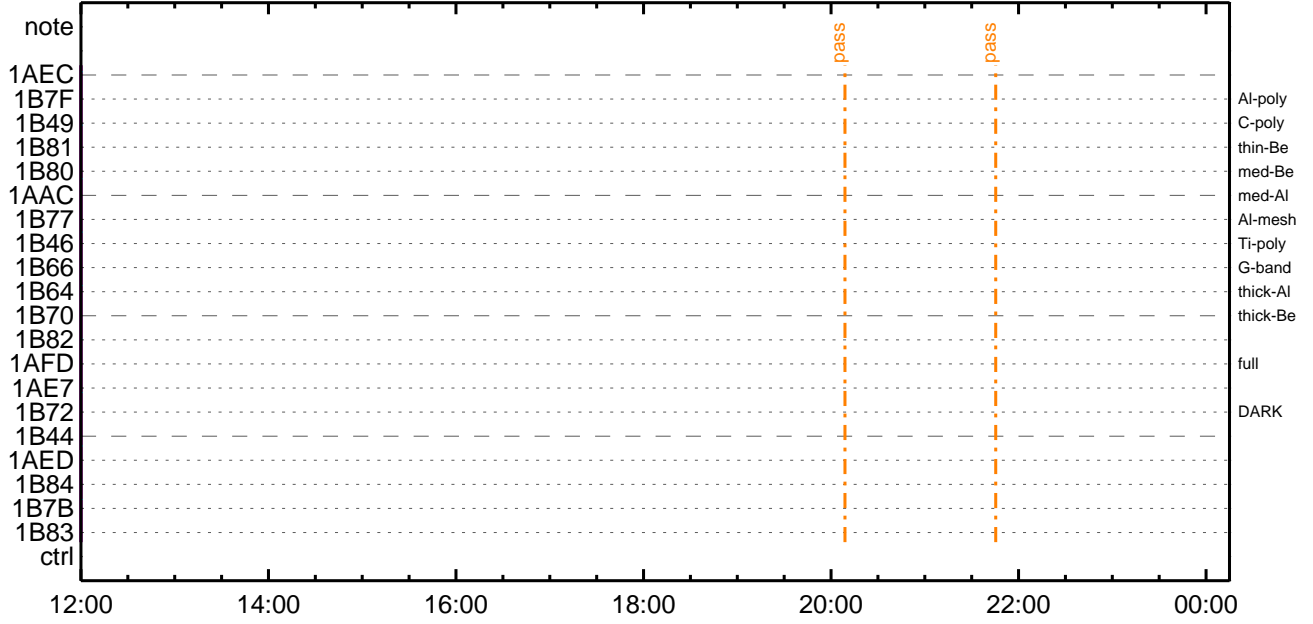
CMDI #0735 2017/05/12



CMDI #0735 2017/05/13



CMDI #0735 2017/05/13









```
0194 C.
0195 +. TI 2017-05-09 10:46:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.      çç[HK1_TI_CMD_NUM]      EQ      1COUNTUP
0198 C.
0199 C. °È²¼ïÄè%îñîîŷÄŷ§ŷÄŷ~¹àîÛ
0200 C.      çç[HK1_TI_CMD_ENA/DIS]      EQ      ENA
0201 C.      çç[HK1_TI_CMD_NUM]      EQ      4
0202 C.      çç[HK1_NEXT_EXEC_PIM]      EQ      DHU
0203 C.      çç[HK1_NEXT_EXEC_DC]      EQ      0xB3
0204 C.
0205 C. *****
0206 C. TIîŷ°èŷÄŷÖŷ×
0207 C. *****
0208 C.
0209 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRN_SET
0211 BC      (03 ab 03 01 02)
0212 C.      çç[HK1_DMP_TOP_ADRS_1]      EQ      07
0213 C.      çç[HK1_DMP_TOP_ADRS_0]      EQ      2B
0214 C.      çç[HK1_DMP_BLOCK_NUM]      EQ      3
0215 C.      çç[HK1_DMP_REPEAT_NUM]      EQ      0
0216 C.      çç[HK1_DMA_DMP_PIM]      EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.      çç[HK1_PKT_FORM_NO]      EQ      7
0220 C.      çç[HK1_PKT_GEN_TIME]      EQ      0.25 s
0221 C.      çç[HK1_S_TLM_BIT_RATE]      EQ      32k
0222 C.      çç[HK1_X_TLM_BIT_RATE]      EQ      4M
0223 C.      çç[HK1_DMP_CHK_FLG]      EQ      EXEC
0224 C.
0225 C. ŷÄŷÖŷ×½ªî»ò³îç§
0226 C.      çç[HK1_DMP_CHK_FLG]      EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLîŷ°èŷÄŷÖŷ×½ªî»ò³îç§
0229 C.
0230 C. DHUŷâ;¼ŷÈ;È¼ŷ¼. ŷì;¼ŷÈ;Èòðîäñ¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.      çç[HK1_PKT_FORM_NO]      EQ      2
0234 C.      çç[HK1_PKT_GEN_TIME]      EQ      0.5S
0235 C.      çç[HK1_S_TLM_BIT_RATE]      EQ      32K
0236 C.      çç[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 2017-05-09 10:46:16.0
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 2017-05-09 10:46:30.0
0256 DC 07-FC EIS_MODE_MANU
0257 BC      (21 02)
0258 +. TI 2017-05-09 10:46:40.0
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 2017-05-09 10:46:00.0
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 `úÄîî»ö¼ŷ°ÈÄð¹ñèDCBC•x²è *****
0276 C. (¼ª°îŷÖŷÄŷÈŷŷÈŷÄŷçŷèòÈ¼òñ¼Ä»Ûñ¹è)
0277 S. DC-BC dcbc-402:DCBC
0278 C. (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ŷÐŷ¹•ï Daily±çîñòÈ'ø¹ñèDCBC•x²è *****
0282 S. DC-BC dcbc-153:DCBC
0283 C. (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ;ãLOSŷÄŷ§ŷÄŷ~¼Ä»Û;ã
0287 C.
0288 C. ***** LOS *****
0289 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-595 2017-05-09 15:24:52 178 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÁY^-¼Á»Ü;ã
0005 C.
0006 C. YÀYB;¼Y³YFŸÖYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. ÁÍ;Èò¿òÀò•µ°È»Í×ÁÇòÍYÇYÁY×YÍ;¼YÉ;ÈÈÈ¼µ•ÍÉ;ÈòÈ¼°Çòò•ò¿¼Í¹ÇòÍ;ÇÀ®, ùò¹òÈòòòÇÁ+¿®ò•òÈòòòòÈ;F
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ+¿@µ;ON
0016 C. *****
0017 C. Ç“ °ÆÀ, Í×ÈYòàLOSòòÇòÍ»P´Öòò¹ÍÍ,ò•;ÇÉÔÍ×òÈXÁÓONòÍ¹ÖòÈò¹òÈòòòòÈ;F
0018 C.
0019 +. DC 03-B4 TCIA_XPA_ON/HI
0020 M. WAIT_SEC 1
0021 +. DC 03-84 TCIA_XMOD_ON
0022 M. WAIT_SEC 1
0023 +. DC 03-95 TCIA_XMOD_QPSK
0024 C. ÇÇ[HK1_XPA_ON/OFF] EQ ON
0025 C. ÇÇ[HK1_XPA_PWR_HI/LO] EQ HI
0026 C. ÇÇ[HK1_XMOD_ON/OFF] EQ ON
0027 C. ÇÇ[HK1_XMOD_QPSK/PM] EQ QPSK
0028 C.
0029 . C. XYDYÖYÉYÍYÁY^-¼ÔÀÒò~òÁÀèò•ò¿òé;Ç°È²¼òÍ°ÆÀ,¼è¼Çòò¼Á¹Öò¹òé;F
0030 C.
0031 . C. *****
0032 C. DR PT1 ÁÍ¼Í°ÆÀ,
0033 C. *****
0034 C. Ç“ RESTART;ÈPT1;Èò•ò¿òò¼¼¹ÇòÍ;Ç°È²¼òÍ¼Á¹Öòò°;ÇDCBC-150òò¿¿Èòà;F
0035 C.
0036 . C. ;ãPT1°ÆÀ,³«»Í;ã
0037 +. DC 01-29 DHU_S/X_VC4_OFF
0038 +. DC 06-C8 DR_PT1_REP_SEL
0039 BC (01 00)
0040 +. DC 06-B3 DR_REP_START
0041 +. DC 01-32 DHU_X_VC4_ON
0042 C. ÇÇ[HK1_REP_PT_1/2] EQ PT1 (¼Á¹Ö,¼Ú)
0043 C. ÇÇ[HK1_REP_STA/STP] EQ START (¼Á¹Ö,¼Ú)
0044 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö,¼Ú)
0045 C.
0046 . C. ;ãYÇYÖYÁYÉÀÛÁÛ;ÈÁ•Á°²òÈò;È,áòÍ°ÆÀ,°Æ³«;ã
0047 +. DC 06-B3 DR_REP_START
0048 +. DC 01-32 DHU_X_VC4_ON
0049 C. ÇÇ[HK1_REP_PT_1/2] EQ PT1 (¼Á¹Ö,¼Ú)
0050 C. ÇÇ[HK1_REP_STA/STP] EQ START (¼Á¹Ö,¼Ú)
0051 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö,¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ÆÀ,ò~¼«Æ°Áà»òòòò¿;ã;Ç°È²¼òò¼Á¹Öò¹òé;F
0055 C. YÇYÖYÁYÉÀÛÁÛòòÁ•Á°²òÈòò~¼áòò¼¼¹ÇòÍ°Í»ò¹òÈòòòòÇÁÓòÁ;F
0056 C.
0057 . C. *****
0058 C. DR PT2 ÁÍ¼Í°ÆÀ,
0059 C. *****
0060 C. Ç“ RESTART;ÈPT2;Èò•ò¿òò¼¼¹ÇòÍ;Ç°È²¼òÍ¼Á¹Öòò°;ÇDCBC-151òò¿¿Èòà;F
0061 C.
0062 . C. ;ãPT2°ÆÀ,³«»Í;ã
0063 +. DC 01-29 DHU_S/X_VC4_OFF
0064 +. DC 06-C8 DR_PT2_REP_SEL
0065 BC (02 00)
0066 +. DC 06-B3 DR_REP_START
0067 +. DC 01-32 DHU_X_VC4_ON
0068 C. ÇÇ[HK1_REP_PT_1/2] EQ PT2 (¼Á¹Ö,¼Ú)
0069 C. ÇÇ[HK1_REP_STA/STP] EQ START (¼Á¹Ö,¼Ú)
0070 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö,¼Ú)
0071 C.
0072 . C. ;ãYÇYÖYÁYÉÀÛÁÛ;ÈÁ•Á°²òÈò;È,áòÍ°ÆÀ,°Æ³«;ã
0073 +. DC 06-B3 DR_REP_START
0074 +. DC 01-32 DHU_X_VC4_ON
0075 C. ÇÇ[HK1_REP_PT_1/2] EQ PT2 (¼Á¹Ö,¼Ú)
0076 C. ÇÇ[HK1_REP_STA/STP] EQ START (¼Á¹Ö,¼Ú)
0077 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö,¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÆÀ,Áà»B;ÇXÁ+¿@µ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÆÀ,Áà»B;ã
0084 +. DC 06-B4 DR_REP_STOP
0085 +. DC 01-29 DHU_S/X_VC4_OFF
0086 C. ÇÇ[HK1_REP_STA/STP] EQ STOP
0087 C. ÇÇ[HK1_S_VC4_ON/OFF] EQ OFF
0088 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ OFF
0089 C.
0090 . C. ;ãXÁ+¿@µ;OFF;ã
0091 +. DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 +. DC 03-B5 TCIA_XPA_OFF
0094 C. ÇÇ[HK1_XMOD_ON/OFF] EQ OFF
0095 C. ÇÇ[HK1_XPA_ON/OFF] EQ OFF
```

```

0096 C.
0097 C.
0098 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ( )
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE STATUS] ADRS = 070000 [ ]
0110 C.
0111 C.
0112 C. Change the TLMFormatNo for the AOCs Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCSDUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK [ ]
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 [ ]
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 . C.
0129 . C. ***** AOCs Commands (Orbital Element Update) *****
0130 C. Update the orbital element
0131 +. DC 02-50 AOCU_ORB_PRPGT_START
0132 BC (16)
0133 +. DC 02-8E AOCU_ORB_UPD
0134 C.
0135 C. <A_ORB>[ORBIT] EPC = 7838141.4 +- 1.0 (s) [ ]
0136 C.
0137 . C.
0138 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0139 +. DC 07-FC EIS_MODE_CHG_ENA
0140 BC (20)
0141 . C. Verify EIS_MODE_CHG_FLG is ENA
0142 +. DC 07-FC EIS_MODE_MANU
0143 BC (21 02)
0144 . C. Verify EIS in MANUAL mode
0145 . C. Estimated OBSTBL upload time is 38s
0146 C. *****
0147 C. EIS START OBSTBL LOAD
0148 C. *****
0149 . S. RAM ram-820:EIS_OBSTBL
0150 ( )
0151 +. DC 07-FC EIS_DUMP_OBSTBL
0152 BC (07 07 07 00 00 70 00)
0153 C.
0154 C. Execute, after the success of OBSTBL upload.
0155 C. Set EIS TI-commands
0156 +. TI 2017-05-09 10:46:50.0
0157 DC 07-FC EIS_MODE_CHG_ENA
0158 BC (20)
0159 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0160 C. *****
0161 C. EIS END OBSTBL LOAD
0162 C. *****
0163 C.
0164 . C. ***** MDP `ûÃîî»ö¼ÿðÈÁð¹¹èDCBC·x²è *****
0165 C. (%á°îÿÓÿÁÿÈÿÏÿËÿÅÿÇÿÈÿÉ¼¼¼¼»Û¹¹é)
0166 . S. DC-BC dcbc-402:DCBC
0167 (MDP_known_event)
0168 C.
0169 C.
0170 . C. ***** ÿDÿ¹·Ï Daily±;íÑèÉ'Ø¹¹èDCBC·x²è *****
0171 . S. DC-BC dcbc-153:DCBC
0172 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0173 C.
0174 C.
0175 . C. ;ãLOSÿÁÿSÿÿÅÿ-¼Á»Û;ã
0176 C.
0177 . C. ***** LOS *****
0178 C.

```

(a) Spacecraft Operation Procedure (real-commands)

```

main-596 2017-05-09 15:24:52 134 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÄY-¼Á»Û;ä
0005 C.
0006 C. YÀYB;¼Y³YF¥ÖYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿ðÁß•µ°È»Í×ÁÇóÍYçYÁY×Yí;¼YÉ;ÈÈè¼µ•íÉ;ÈßÈ¼°ÇÓß•ñ¿¼í¹çñÍ;çÀ®, ùñ¹ñèñßñÇÁ+¿®ñ•ñÈñññ³ñÈ;ñ
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Stop SP table >
0018 +. DC 07-F0 MDP_SP_CTRL_MANU
0019 BC (61)
0020 C. -----
0021 C. MDP_SP_CTRL_MODE = MANU [ ]
0022 C. -----
0023 C.
0024 . C. <Upload SP Observation Table>
0025 . S. RAM ram-285:MDP_OBS_S
0026 ( )
0027 C.
0028 . C. < Dump RAMID=MDP_OBS_S >
0029 +. DC 07-F0 MDP_DUMP_SPTBL
0030 BC (83 07 00 00 00 38 b8)
0031 C. -----
0032 C. MDP_OBS_S verify = OK/NG [ ]
0033 C. -----
0034 C.
0035 C. *****
0036 C. SOT TI command set
0037 C. *****
0038 C. Execute, after the success of TBL upload.
0039 +. TI 2017-05-09 10:46:18.0
0040 DC 07-F0 MDP_SOT_MODE_OBSV
0041 BC (40)
0042 . C. -----
0043 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0044 C. -----
0045 C.
0046 C.
0047 C. ***** XRT START *****
0048 C.
0049 +. DC 07-F0 MDP_XRT_CTRL_MANU
0050 BC (c1)
0051 + DC 07-F0 MDP_XRT_MODE_STBY
0052 BC (c3)
0053 . C. ----- Success Verify ? OK / NG____
0054 C.
0055 C. XRT Obs. Table Upload
0056 . S. RAM ram-291:MDP_OBS_X
0057 ( )
0058 C.
0059 +. DC 07-F0 MDP_DUMP_XRTTBL
0060 BC (84 07 00 00 00 3a d4)
0061 . C. ----- Comparison Check ? OK / ERR ____
0062 C.
0063 C.
0064 +. DC 07-F0 MDP_XRT_ROI_SET
0065 BC (cd 01 b1 b1 04 04)
0066 + DC 07-F0 MDP_XRT_ROI_SET
0067 BC (cd 02 b1 b1 08 08)
0068 + DC 07-F0 MDP_XRT_ROI_SET
0069 BC (cd 03 b1 b1 08 08)
0070 + DC 07-F0 MDP_XRT_ROI_SET
0071 BC (cd 04 b1 b1 06 06)
0072 + DC 07-F0 MDP_XRT_ROI_SET
0073 BC (cd 05 85 83 06 06)
0074 + DC 07-F0 MDP_XRT_ROI_SET
0075 BC (cd 06 85 83 08 08)
0076 + DC 07-F0 MDP_XRT_ROI_SET
0077 BC (cd 07 80 80 08 08)
0078 + DC 07-F0 MDP_XRT_ROI_SET
0079 BC (cd 08 80 80 20 20)
0080 + DC 07-F0 MDP_XRT_ROI_SET
0081 BC (cd 09 80 80 20 08)
0082 + DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 0a 80 80 08 20)
0084 + DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 0b 80 96 08 08)
0086 + DC 07-F0 MDP_XRT_ROI_SET
0087 BC (cd 0c 85 83 06 06)
0088 + DC 07-F0 MDP_XRT_ROI_SET
0089 BC (cd 0f 80 80 06 06)
0090 + DC 07-F0 MDP_XRT_ROI_SET
0091 BC (cd 10 80 80 08 08)
0092 + DC 07-F0 MDP_XRT_FLD_ENA
0093 BC (d8)
0094 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0095 BC (c8)

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```
0096 + DC 07-F0 MDP_XRT_ARS_DIS
0097 BC (d5)
0098 + DC 07-F0 MDP_XRT_AEC_RESET
0099 BC (d0)
0100 + DC 07-F0 MDP_XRT_FLD_RESET
0101 BC (da)
0102 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0103 BC (c4 05)
0104 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0105 BC (c5 07)
0106 . C. ----- Success Verify ? OK / NG ____
0107 C.
0108 C.
0109 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0110 C.
0111 +. DC 07-F0 MDP_XRT_MODE_OBSV
0112 BC (c2)
0113 +. TI 2017-05-09 10:46:02.0
0114 DC 07-F0 MDP_XRT_MODE_OBSV
0115 BC (c2)
0116 . C. ----- Success Verify ? OK / NG ____
0117 C.
0118 C. ***** XRT END *****
0119 C.
0120 . C. ***** MDP `úÃîñî»ò%ÝñÊÃðñ¹ñèDCBC•x²è *****
0121 C. (%á°îÿÓÿÃÿÈÿËÿËÿáÿçÿèñÊ½¼ñ¼Ã»Ûñ¹ñè)
0122 . S. DC-BC dcbc-402:DCBC
0123 (MDP_known_event)
0124 C.
0125 C.
0126 . C. ***** ÿDÿ¹•Ï Daily±¿îÑñÊ´Øñ¹ñèDCBC•x²è *****
0127 . S. DC-BC dcbc-153:DCBC
0128 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0129 C.
0130 C.
0131 . C. ¡ãLOSÿÁÿ$ÿÃÿ-¼Ã»Ûñ¹ñè
0132 C.
0133 . C. ***** LOS *****
0134 C.
```

May 09, 17 15:24

XRT\_OGLIST\_0735.chk

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

2017/05/09	10:56:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2017/05/09	10:56:56.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2017/05/09	10:56:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2017/05/09	10:57:00.0	AOCS_Ore-point_Start_1_OG [0x097]						
		AOCU_NM	5	02-76	00 00 00 ac cd			
2017/05/09	10:57:18.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2017/05/09	10:57:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2017/05/09	10:57:22.0	XRT_AEC_RESET_448_OG [0x1c0]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2017/05/09	10:57:24.0	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2017/05/09	10:57:26.0	XRT_FLD_RESET_433_OG [0x1b1]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2017/05/09	10:59:56.0	XRT_QT_PROG_SET_420_OG [0x1a4]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 09			
2017/05/09	10:59:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07			
2017/05/09	11:00:00.0	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2017/05/09	11:12:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2017/05/09	11:12:56.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2017/05/09	11:12:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2017/05/09	11:13:00.0	AOCS_Ore-point_Start_2_OG [0x098]						
		AOCU_NM	5	02-76	00 00 00 d6 67			
2017/05/09	11:13:18.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2017/05/09	11:13:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2017/05/09	11:13:22.0	XRT_AEC_RESET_448_OG [0x1c0]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2017/05/09	11:13:24.0	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2017/05/09	11:13:26.0	XRT_FLD_RESET_433_OG [0x1b1]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2017/05/09	11:15:56.0	XRT_QT_PROG_SET_420_OG [0x1a4]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 09			
2017/05/09	11:15:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07			
2017/05/09	11:16:00.0	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2017/05/09	11:38:30.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2017/05/09	11:38:32.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2017/05/09	11:38:34.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2017/05/09	11:38:36.0	XRT_PREFLR_STRT_414_OG [0x19e]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2017/05/09	11:41:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2017/05/09	12:03:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2017/05/09	12:03:56.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2017/05/09	12:03:58.0	XRT_FOCUS_POSITION_403_OG [0x193]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2017/05/09	12:04:00.0	AOCS_Ore-point_Start_3_OG [0x099]						
		AOCU_NM	5	02-76	00 00 00 00 00			
2017/05/09	12:04:18.0	XRT_FLD_DIS_406_OG [0x196]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2017/05/09	12:06:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2017/05/09	12:06:56.0	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2017/05/09	12:06:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c			
2017/05/09	12:11:00.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2017/05/09	12:11:02.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2017/05/09	12:11:04.0	XRT_FOCUS_POSITION_410_OG [0x19a]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2017/05/09	12:11:24.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2017/05/09	12:11:26.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2017/05/09	12:11:28.0	XRT_AEC_RESET_448_OG [0x1c0]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2017/05/09	12:11:30.0	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2017/05/09	12:11:32.0	XRT_FLD_RESET_433_OG [0x1b1]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2017/05/09	12:14:02.0	XRT_QT_PROG_SET_420_OG [0x1a4]						

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2017/05/09	12:14:04.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09
			MDP_XRT_FL_PROG_SET	2	07-F0	c5	07
2017/05/09	12:14:06.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/05/09	12:19:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	12:19:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	12:19:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2017/05/09	12:20:00.0	AOCS_Ore-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 00 00	29 99
2017/05/09	12:20:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2017/05/09	12:20:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2017/05/09	12:20:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2017/05/09	12:20:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2017/05/09	12:20:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/05/09	12:22:56.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09
2017/05/09	12:22:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07
2017/05/09	12:23:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/05/09	12:35:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	12:35:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	12:35:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2017/05/09	12:36:00.0	AOCS_Ore-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	00 00 00	53 33
2017/05/09	12:36:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2017/05/09	12:36:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2017/05/09	12:36:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2017/05/09	12:36:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2017/05/09	12:36:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/05/09	12:38:56.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09
2017/05/09	12:38:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07
2017/05/09	12:39:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/05/09	12:51:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	12:51:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	12:51:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2017/05/09	12:52:00.0	AOCS_Ore-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	00 d6 36 b7	8e
2017/05/09	12:52:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2017/05/09	12:52:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2017/05/09	12:52:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2017/05/09	12:52:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2017/05/09	12:52:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/05/09	12:54:56.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09
2017/05/09	12:54:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07
2017/05/09	12:55:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/05/09	13:17:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	13:17:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	13:17:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/05/09	13:17:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/05/09	13:20:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/05/09	13:41:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	13:41:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	13:41:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00



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2017/05/09	13:42:00.0	AOCS_ORe-point_Start_7_OG [0x09d]							
		AOCU_NM	5	02-76	00	b4	b5	db	75
2017/05/09	13:42:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0		d8			
2017/05/09	13:42:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2017/05/09	13:42:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0		d0			
2017/05/09	13:42:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0		d5			
2017/05/09	13:42:26.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0		da			
2017/05/09	13:44:56.0	XRT_QT_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_QT_PROG_SET	2	07-F0		c4	09		
2017/05/09	13:44:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0		c5	07		
2017/05/09	13:45:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2017/05/09	13:57:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2017/05/09	13:57:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2017/05/09	13:57:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2017/05/09	13:58:00.0	AOCS_ORe-point_Start_8_OG [0x09e]							
		AOCU_NM	5	02-76	00	ac	5b	00	00
2017/05/09	13:58:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0		d8			
2017/05/09	13:58:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2017/05/09	13:58:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0		d0			
2017/05/09	13:58:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0		d5			
2017/05/09	13:58:26.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0		da			
2017/05/09	14:00:56.0	XRT_QT_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_QT_PROG_SET	2	07-F0		c4	09		
2017/05/09	14:00:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0		c5	07		
2017/05/09	14:01:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2017/05/09	14:13:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2017/05/09	14:13:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2017/05/09	14:13:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2017/05/09	14:14:00.0	AOCS_ORe-point_Start_9_OG [0x09f]							
		AOCU_NM	5	02-76	00	b4	b5	24	8b
2017/05/09	14:14:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0		d8			
2017/05/09	14:14:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2017/05/09	14:14:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0		d0			
2017/05/09	14:14:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0		d5			
2017/05/09	14:14:26.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0		da			
2017/05/09	14:16:56.0	XRT_QT_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_QT_PROG_SET	2	07-F0		c4	09		
2017/05/09	14:16:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0		c5	07		
2017/05/09	14:17:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2017/05/09	14:29:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2017/05/09	14:29:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2017/05/09	14:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2017/05/09	14:30:00.0	AOCS_ORe-point_Start_10_OG [0x0a0]							
		AOCU_NM	5	02-76	00	d6	36	48	72
2017/05/09	14:30:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0		d8			
2017/05/09	14:30:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2017/05/09	14:30:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0		d0			
2017/05/09	14:30:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0		d5			
2017/05/09	14:30:26.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0		da			
2017/05/09	14:32:56.0	XRT_QT_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_QT_PROG_SET	2	07-F0		c4	09		
2017/05/09	14:32:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0		c5	07		
2017/05/09	14:33:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2017/05/09	14:39:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2017/05/09	14:39:56.0	XRT_CTRL_MANU_402_OG [0x192]							

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2017/05/09	14:39:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
		XRT_FOCUS_POSITION		4	07-F8	22 fe 97 00	
2017/05/09	14:40:00.0	AOCS_Ore-point_Start_11_OG [0x0a1]	AOCU_NM	5	02-76	00 29 ca b7 8e	
2017/05/09	14:40:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2017/05/09	14:40:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2017/05/09	14:40:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2017/05/09	14:40:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2017/05/09	14:40:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/05/09	14:42:56.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 09	
2017/05/09	14:42:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07	
2017/05/09	14:43:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/05/09	14:55:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	14:55:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	14:55:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/05/09	14:55:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/05/09	14:58:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/05/09	15:28:30.0	XRT_Custom_430_OG [0x1ae]					
2017/05/09	15:29:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/05/09	15:38:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	15:38:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	15:38:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/05/09	15:38:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/05/09	15:38:30.0	XRT_Custom_430_OG [0x1ae]					
2017/05/09	15:39:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/05/09	15:41:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/05/09	15:44:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	15:44:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	15:44:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2017/05/09	15:44:30.0	AOCS_Ore-point_Start_12_OG [0x0a2]	AOCU_NM	5	02-76	00 4b 4b db 75	
2017/05/09	15:44:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2017/05/09	15:44:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2017/05/09	15:44:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2017/05/09	15:44:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2017/05/09	15:44:56.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/05/09	15:47:26.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 09	
2017/05/09	15:47:28.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07	
2017/05/09	15:47:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/05/09	16:00:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	16:00:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/05/09	16:00:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2017/05/09	16:00:30.0	AOCS_Ore-point_Start_13_OG [0x0a3]	AOCU_NM	5	02-76	00 53 a5 00 00	
2017/05/09	16:00:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2017/05/09	16:00:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2017/05/09	16:00:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2017/05/09	16:00:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2017/05/09	16:00:56.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/05/09	16:03:26.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 09	
2017/05/09	16:03:28.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07	

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2017/05/09	16:03:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/05/09	16:16:24.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	16:16:26.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	16:16:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2017/05/09	16:16:30.0	AOCS_ORe-point_Start_14_OG [0x0a4]							
		AOCU_NM	5	02-76	00 4b 4b 24 8b				
2017/05/09	16:16:48.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2017/05/09	16:16:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2017/05/09	16:16:52.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2017/05/09	16:16:54.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2017/05/09	16:16:56.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/05/09	16:19:26.0	XRT_QT_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 09				
2017/05/09	16:19:28.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2017/05/09	16:19:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/05/09	16:34:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	16:34:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	16:34:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/05/09	16:34:06.0	XRT_PREFLR_STRT_414_OG [0x19e]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2017/05/09	16:37:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2017/05/09	17:15:00.0	XRT_Custom_430_OG [0x1ae]							
2017/05/09	17:16:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/05/09	17:20:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	17:20:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	17:20:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2017/05/09	17:21:00.0	AOCS_ORe-point_Start_15_OG [0x0a5]							
		AOCU_NM	5	02-76	00 29 db 48 72				
2017/05/09	17:21:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2017/05/09	17:21:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2017/05/09	17:21:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2017/05/09	17:21:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2017/05/09	17:21:26.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/05/09	17:23:56.0	XRT_QT_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 09				
2017/05/09	17:23:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2017/05/09	17:24:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/05/09	17:56:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	17:56:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	17:56:58.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2017/05/09	17:57:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2017/05/09	17:57:18.0	XRT_FLD_DIS_406_OG [0x196]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2017/05/09	17:59:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2017/05/09	17:59:56.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2017/05/09	17:59:58.0	XRT_QT_PROG_SET_449_OG [0x1c1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b				
2017/05/09	18:00:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/05/09	18:09:00.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	18:09:02.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2017/05/09	18:09:22.0	XRT_FLD_DIS_431_OG [0x1af]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2017/05/09	18:11:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2017/05/09	18:11:26.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2017/05/09	18:11:28.0	XRT_QT_PROG_SET_425_OG [0x1a9]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 01				

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2017/05/09	18:11:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/05/09	18:29:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	18:29:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	18:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2017/05/09	18:30:00.0	AOCS_Ore-point_Start_16_OG [0x0a6]							
		AOCU_NM	5	02-76	04 00 00 00 00				
2017/05/09	18:30:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2017/05/09	18:30:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2017/05/09	18:30:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2017/05/09	18:30:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2017/05/09	18:30:26.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/05/09	18:32:56.0	XRT_QT_PROG_SET_442_OG [0x1ba]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2017/05/09	18:32:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2017/05/09	18:51:31.5	XRT_Custom_430_OG [0x1ae]							
2017/05/09	18:52:31.5	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/05/09	19:50:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	19:50:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	19:50:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/05/09	19:50:36.0	XRT_PREFLR_STRT_414_OG [0x19e]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2017/05/09	19:53:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2017/05/09	20:28:31.0	XRT_Custom_430_OG [0x1ae]							
2017/05/09	20:29:31.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/05/09	21:29:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	21:29:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	21:29:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/05/09	21:29:06.0	XRT_PREFLR_STRT_414_OG [0x19e]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2017/05/09	21:29:24.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	21:29:26.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	21:29:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2017/05/09	21:29:48.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2017/05/09	21:29:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2017/05/09	21:29:52.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2017/05/09	21:29:54.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2017/05/09	21:29:56.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/05/09	21:32:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2017/05/09	21:32:26.0	XRT_QT_PROG_SET_442_OG [0x1ba]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2017/05/09	21:32:28.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2017/05/09	22:05:31.0	XRT_Custom_430_OG [0x1ae]							
2017/05/09	22:06:31.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/05/09	23:07:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	23:07:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/09	23:07:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/05/09	23:07:06.0	XRT_PREFLR_STRT_414_OG [0x19e]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2017/05/09	23:10:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2017/05/09	23:37:31.0	XRT_Custom_430_OG [0x1ae]							
2017/05/09	23:38:31.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/05/10	00:45:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/10	00:45:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/10	00:45:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/05/10	00:45:36.0	XRT_PREFLR_STRT_414_OG [0x19e]							

2017/05/10	00:48:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e8		
2017/05/10	01:11:00.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/05/10	01:12:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/05/10	02:19:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	02:19:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	02:19:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/05/10	02:19:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2017/05/10	02:22:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/05/10	02:49:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/05/10	02:50:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/05/10	03:50:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	03:50:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	03:50:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/05/10	03:50:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2017/05/10	03:53:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/05/10	04:27:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/05/10	04:28:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/05/10	05:26:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	05:26:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	05:26:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/05/10	05:26:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2017/05/10	05:29:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/05/10	06:07:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	06:07:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	06:07:28.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2017/05/10	06:07:30.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00		
2017/05/10	06:07:48.0	XRT_FLD_DIS_406_OG [0x196]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2017/05/10	06:10:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2017/05/10	06:10:26.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2017/05/10	06:10:28.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b		
2017/05/10	06:10:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/05/10	06:17:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	06:17:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	06:17:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2017/05/10	06:17:30.0	AOCS_Ore-point_Start_16_OG [0x0a6]	AOCU_NM	5	02-76	04 00 00 00 00		
2017/05/10	06:17:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2017/05/10	06:17:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2017/05/10	06:17:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2017/05/10	06:17:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2017/05/10	06:17:56.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/05/10	06:20:26.0	XRT_QT_PROG_SET_442_OG [0x1ba]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12		
2017/05/10	06:20:28.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07		
2017/05/10	06:20:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/05/10	07:07:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	07:07:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	07:07:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/05/10	07:07:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2017/05/10	07:10:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		

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2017/05/10	07:44:30.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/05/10	07:45:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/05/10	08:46:30.0	XRT_CTRL_MANU_400_OG [0x190]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/05/10	08:46:32.0	XRT_CTRL_MANU_402_OG [0x192]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/05/10	08:46:34.0	XRT_FLD_RESET_415_OG [0x19f]				
			MDP_XRT_FLD_RESET	1	07-F0	da
2017/05/10	08:46:36.0	XRT_PREFLR_STRT_414_OG [0x19e]				
			MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/05/10	08:49:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
			MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/05/10	09:22:30.0	XRT_Custom_430_OG [0x1ae]				
2017/05/10	09:23:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/05/10	10:28:00.0	XRT_CTRL_MANU_400_OG [0x190]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/05/10	10:28:02.0	XRT_CTRL_MANU_402_OG [0x192]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/05/10	10:28:04.0	XRT_FLD_RESET_415_OG [0x19f]				
			MDP_XRT_FLD_RESET	1	07-F0	da
2017/05/10	10:28:06.0	XRT_PREFLR_STRT_414_OG [0x19e]				
			MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/05/10	10:31:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
			MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/05/10	11:01:00.0	XRT_Custom_430_OG [0x1ae]				
2017/05/10	11:02:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/05/10	12:14:00.0	XRT_CTRL_MANU_400_OG [0x190]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/05/10	12:14:02.0	XRT_CTRL_MANU_402_OG [0x192]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/05/10	12:14:04.0	XRT_FLD_RESET_415_OG [0x19f]				
			MDP_XRT_FLD_RESET	1	07-F0	da
2017/05/10	12:14:06.0	XRT_PREFLR_STRT_414_OG [0x19e]				
			MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/05/10	12:17:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
			MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/05/10	12:39:30.0	XRT_Custom_430_OG [0x1ae]				
2017/05/10	12:40:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/05/10	13:52:30.0	XRT_CTRL_MANU_400_OG [0x190]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/05/10	13:52:32.0	XRT_CTRL_MANU_402_OG [0x192]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/05/10	13:52:34.0	XRT_FLD_RESET_415_OG [0x19f]				
			MDP_XRT_FLD_RESET	1	07-F0	da
2017/05/10	13:52:36.0	XRT_PREFLR_STRT_414_OG [0x19e]				
			MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/05/10	13:55:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
			MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/05/10	14:19:00.0	XRT_CTRL_MANU_400_OG [0x190]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/05/10	14:19:02.0	XRT_CTRL_MANU_402_OG [0x192]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/05/10	14:19:04.0	XRT_FLD_RESET_415_OG [0x19f]				
			MDP_XRT_FLD_RESET	1	07-F0	da
2017/05/10	14:19:06.0	XRT_PREFLR_STRT_414_OG [0x19e]				
			MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/05/10	14:21:30.0	XRT_Custom_430_OG [0x1ae]				
2017/05/10	14:22:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
			MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/05/10	14:22:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/05/10	15:31:00.0	XRT_CTRL_MANU_400_OG [0x190]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/05/10	15:31:02.0	XRT_CTRL_MANU_402_OG [0x192]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/05/10	15:31:04.0	XRT_FLD_RESET_415_OG [0x19f]				
			MDP_XRT_FLD_RESET	1	07-F0	da
2017/05/10	15:31:06.0	XRT_PREFLR_STRT_414_OG [0x19e]				
			MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/05/10	15:34:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
			MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/05/10	16:13:00.5	XRT_Custom_430_OG [0x1ae]				
2017/05/10	16:14:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/05/10	17:09:00.0	XRT_CTRL_MANU_400_OG [0x190]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/05/10	17:09:02.0	XRT_CTRL_MANU_402_OG [0x192]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2017/05/10	17:09:04.0	XRT_FLD_RESET_415_OG [0x19f]				
			MDP_XRT_FLD_RESET	1	07-F0	da
2017/05/10	17:09:06.0	XRT_PREFLR_STRT_414_OG [0x19e]				
			MDP_XRT_PREFLR_STRT	1	07-F0	e8
2017/05/10	17:12:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
			MDP_XRT_PREFLR_STOP	1	07-F0	e9
2017/05/10	17:50:00.0	XRT_Custom_430_OG [0x1ae]				
2017/05/10	17:51:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/05/10	18:31:54.0	XRT_CTRL_MANU_402_OG [0x192]				

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2017/05/10	18:31:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	18:31:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	18:32:00.0	AOCS_OrE-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa 00
2017/05/10	18:32:18.0	XRT_FLD_DIS_406_OG [0x196]	AOCU_NM	5	02-76	00	00	00 00 00
2017/05/10	18:34:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2017/05/10	18:34:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2017/05/10	18:34:58.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2017/05/10	18:35:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b	
2017/05/10	18:44:30.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/05/10	18:44:32.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	18:44:52.0	XRT_FLD_DIS_431_OG [0x1af]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa 00
2017/05/10	18:46:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2017/05/10	18:46:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2017/05/10	18:46:58.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2017/05/10	18:47:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03	
2017/05/10	19:01:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/05/10	19:01:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	19:01:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	19:02:00.0	AOCS_OrE-point_Start_16_OG [0x0a6]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97 00
2017/05/10	19:02:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	04	00	00 00 00
2017/05/10	19:02:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2017/05/10	19:02:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2017/05/10	19:02:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2017/05/10	19:02:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2017/05/10	19:04:56.0	XRT_QT_PROG_SET_442_OG [0x1ba]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/05/10	19:04:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	12	
2017/05/10	19:26:31.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07	
2017/05/10	19:27:31.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]					
2017/05/10	20:26:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/05/10	20:26:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	20:26:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	20:26:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/05/10	20:29:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2017/05/10	21:03:31.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/05/10	21:04:31.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]					
2017/05/10	22:04:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/05/10	22:04:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	22:04:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	22:04:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/05/10	22:07:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2017/05/10	22:39:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/05/10	22:40:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]					
2017/05/10	23:42:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/05/10	23:42:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	23:42:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	23:42:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/05/10	23:45:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2017/05/10	23:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		

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2017/05/10	23:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/10	23:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/11	00:00:00.0	AOCS_Or-e-point_Start_17_OG [0x0a7]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa 00
2017/05/11	00:00:18.0	XRT_FLD_DIS_406_OG [0x196]	AOCU_NM	5	02-76	03	00	00 00 00
2017/05/11	00:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2017/05/11	00:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2017/05/11	00:02:58.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2017/05/11	00:08:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b	
2017/05/11	00:09:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_OG [0x1c1]					
2017/05/11	00:13:00.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/05/11	00:13:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/11	00:13:04.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/11	00:13:24.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97 00
2017/05/11	00:13:26.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2017/05/11	00:13:28.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2017/05/11	00:13:30.5	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2017/05/11	00:13:32.5	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2017/05/11	00:16:02.5	XRT_QT_PROG_SET_422_OG [0x1a6]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/05/11	00:16:04.5	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	02	
2017/05/11	00:16:06.5	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07	
2017/05/11	01:21:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/05/11	01:21:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/11	01:21:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/11	01:21:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/05/11	01:24:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2017/05/11	01:46:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/05/11	01:47:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_OG [0x1a3]					
2017/05/11	02:53:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/05/11	02:53:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/11	02:53:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/11	02:53:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/05/11	02:56:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2017/05/11	03:25:01.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/05/11	03:26:01.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_OG [0x1a3]					
2017/05/11	04:22:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/05/11	04:22:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/11	04:22:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/11	04:22:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da		
2017/05/11	04:25:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2017/05/11	05:03:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2017/05/11	05:04:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_OG [0x1a3]					
2017/05/11	05:35:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2017/05/11	05:35:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/11	05:35:28.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2017/05/11	05:35:30.0	AOCS_Or-e-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa 00
2017/05/11	05:35:48.0	XRT_FLD_DIS_406_OG [0x196]	AOCU_NM	5	02-76	00	00	00 00 00
2017/05/11	05:38:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2017/05/11	05:38:26.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
			MDP_XRT_ARS_DIS	1	07-F0	d5		



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2017/05/11	05:38:28.0	XRT_QT_PROG_SET_449_OG [0x1c1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2017/05/11	05:38:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/05/11	05:45:24.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/11	05:45:26.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/11	05:45:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2017/05/11	05:45:30.0	AOCS_ORe-point_Start_17_OG [0x0a7]							
		AOCU_NM	5	02-76	03	00	00	00	00
2017/05/11	05:45:48.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2017/05/11	05:45:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2017/05/11	05:45:52.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2017/05/11	05:45:54.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2017/05/11	05:45:56.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/05/11	05:48:26.0	XRT_QT_PROG_SET_422_OG [0x1a6]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	02			
2017/05/11	05:48:28.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	07			
2017/05/11	05:48:30.5	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/05/11	06:03:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/11	06:03:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/11	06:03:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/05/11	06:03:06.0	XRT_PREFLR_STRT_414_OG [0x19e]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2017/05/11	06:06:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2017/05/11	06:41:30.0	XRT_Custom_430_OG [0x1ae]							
2017/05/11	06:42:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/05/11	07:43:00.5	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/11	07:43:03.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/11	07:43:05.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/05/11	07:43:07.0	XRT_PREFLR_STRT_414_OG [0x19e]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2017/05/11	07:46:15.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2017/05/11	08:20:00.0	XRT_Custom_430_OG [0x1ae]							
2017/05/11	08:21:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/05/11	09:12:00.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/11	09:12:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/11	09:12:04.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2017/05/11	09:12:24.0	XRT_FLD_DIS_406_OG [0x196]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2017/05/11	09:15:00.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2017/05/11	09:15:02.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2017/05/11	09:15:04.0	XRT_QT_PROG_SET_449_OG [0x1c1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2017/05/11	09:15:06.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2017/05/11	09:22:30.5	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/11	09:22:33.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2017/05/11	09:22:35.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2017/05/11	09:22:37.0	XRT_PREFLR_STRT_414_OG [0x19e]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2017/05/11	09:25:45.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2017/05/11	09:58:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00	00	00	00	00