

# XRT Timeline to be uploaded on 2015/06/16

Period: 2015/06/16 10:57:00 - 2015/06/20 10:05:00

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Normal mode

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## XOB #1A91: AR Standard-A(Filter-Ratio with Al/poly and thin-Be) with PFB, 384x384 at 1064 1048, thin-Be, thick-Al, and Al/Poly context, with G-band (1ms)

Term	Pointing (x, y)	Comment
06/16 11:10:00 - 06/16 17:59:54	Track ( -200.8, -372.6) <sup>Ⓜ 06/16 11:07:00</sup>	# OP start + 10min, AR12367 (1 hour high cadence SP map)
06/16 19:07:00 - 06/16 21:35:00	Track ( -143.4, -373.3) <sup>Ⓜ 06/16 18:10:00</sup>	# Cont,
06/17 01:26:06 - 06/17 05:38:30	Track ( -84.9, -374.0) <sup>Ⓜ 06/17 01:16:00</sup>	# AR12367 obs
06/17 06:36:00 - 06/17 10:40:30	Track ( -41.1, -374.5) <sup>Ⓜ 06/17 06:33:00</sup>	# Cont,
06/17 18:13:30 - 06/18 01:46:54	Track ( 55.5, -375.3) <sup>Ⓜ 06/17 18:10:30</sup>	# Cont,
06/18 06:00:00 - 06/18 09:35:00	Track ( 152.5, -375.9) <sup>Ⓜ 06/18 05:57:00</sup>	# AR12367 obs

PROG= 14 Inf.-time(s)																
Subr=	1	1-time(s)	2.0sec													
└─	Seqn= 2	2-time(s)	2.0sec	Open/G-band	Open/G-band	close	Safe	Norm	16ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
└─	Subr= 2	2-time(s)	2.0sec													
└─	Seqn= 96	1-time(s)	2.0sec	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
└─				Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
└─	Seqn= 42	4-time(s)	2.0sec	Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
└─				thin-Be/Open	med-Be/Open	close	Safe	Norm	5.66s	Obs	1x1	512x512 (1064, 1048)	Q=95	3	0	2.0sec
└─				Open/thick-Al	Open/thick-Al	close	Safe	Norm	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
└─	Seqn= 62	8-time(s)	160.0sec	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
└─				Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
└─				thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec
└─				Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec
└─				thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec
└─				Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval				

## XOB #1A8D: Synoptic Q95 2x2 - Al/mesh(8/128/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Ti-poly(16/362/2048) + Thi

Term	Pointing (x, y)	Comment
06/16 18:07:00 - 06/16 18:18:30	Fixed ( 0.0, 0.0)	synoptic
06/17 06:26:00 - 06/17 06:32:54	Fixed ( 0.0, 0.0)	synoptic, shifted 23.0 min
06/17 18:03:30 - 06/17 18:10:24	Fixed ( 0.0, 0.0)	synoptic, shifted 0.5 min
06/18 05:50:00 - 06/18 05:56:54	Fixed ( 0.0, 0.0)	synoptic, shifted -13.0 min

PROG= 17 1-time(s)																
Subr=	1	1-time(s)	12.0sec													
└─	Seqn= 33	1-time(s)	4.0sec	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	8ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─				Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─				Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─	Seqn= 5	1-time(s)	2.0sec	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─				Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─				Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	8x8	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─				Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	2048x512 (1024, 1024)	DPCM	0	0	2.0sec
└─				Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	512x2048 (1024, 1024)	DPCM	0	0	2.0sec
└─	Seqn= 40	1-time(s)	4.0sec	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─				Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	354ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─				Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─	Seqn= 77	1-time(s)	2.0sec	thin-Be/Open	thin-Be/Open	close	Safe	Norm	86ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─				thin-Be/Open	thin-Be/Open	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─				thin-Be/Open	thin-Be/Open	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─	Seqn= 32	1-time(s)	2.0sec	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
└─				Open/G-band	Open/G-band	close	Safe	Norm	16ms	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 #1A8C: Synoptic 8 Filter 2048x2048 w/ Al-mesh(5/88/723), Ti-poly(12/256/1443), Thin-Be(64/723/4096) - Thick-Be(46284), Al-poly+Ti-poly(181/1024), Al-

Term	Pointing (x, y)	Comment
06/16 22:19:00 - 06/16 22:35:00	Fixed ( 0.0, 0.0)	# SOT flat field and EIS spectral atlas

PROG= 10 1-time(s)																
Subr=	1	1-time(s)	12.0sec													
└─	Seqn= 95	1-time(s)	4.0sec	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	5ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─				Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	86ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─				Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	707ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─	Seqn= 84	1-time(s)	2.0sec	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	2048x2048 (1024, 1024)	DPCM	0	0	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
	<b>Seqn= 47 1-time(s) 4.0sec</b>												
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	12ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	250ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.41s	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	<b>Seqn= 45 1-time(s) 2.0sec</b>												
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	63ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	707ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	4.00s	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	<b>Seqn= 32 1-time(s) 2.0sec</b>												
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	16ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	<b>Subr= 2 1-time(s) 12.0sec</b>												
	<b>Seqn= 70 1-time(s) 2.0sec</b>												
	Open/thick-Be	Open/thick-Be	close	Safe	Norm	45.2s	Obs	1x1	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	<b>Seqn= 89 1-time(s) 4.0sec</b>												
	Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	177ms	Obs	1x1	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	<b>Seqn= 55 1-time(s) 4.0sec</b>												
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	32ms	Obs	1x1	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	707ms	Obs	1x1	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	<b>Seqn= 82 1-time(s) 2.0sec</b>												
	med-Al/Open	med-Al/Open	close	Safe	Norm	2.83s	Obs	1x1	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	med-Al/Open	med-Al/Open	close	Safe	Norm	16.0s	Obs	1x1	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	<b>Seqn= 89 1-time(s) 4.0sec</b>												
	Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	177ms	Obs	1x1	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	<b>Seqn= 55 1-time(s) 4.0sec</b>												
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	32ms	Obs	1x1	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	707ms	Obs	1x1	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	<b>Seqn= 82 1-time(s) 2.0sec</b>												
	med-Al/Open	med-Al/Open	close	Safe	Norm	2.83s	Obs	1x1	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	med-Al/Open	med-Al/Open	close	Safe	Norm	16.0s	Obs	1x1	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	<b>Seqn= 70 1-time(s) 2.0sec</b>												
	Open/thick-Be	Open/thick-Be	close	Safe	Norm	45.2s	Obs	1x1	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	

<b>XOB #1A8E: CME watch - 4x4 - AEC 2 - Al-poly - G-band (2x2,1ms) - Leak (16ms) - 120s cad</b>													
Term	Pointing (x, y)			Comment									
06/16 22:38:06 - 06/17 00:52:00	Fixed (	0.0,	0.0)	# SOT flat field and EIS spectral atlas									
06/17 11:15:30 - 06/17 11:44:24	Fixed (	936.0,	0.0)	# HOP130 1/15									
06/17 11:47:30 - 06/17 12:00:24	Fixed (	0.0,	0.0)	3/15									
06/17 12:03:30 - 06/17 12:20:30	Fixed (	-468.0,	0.0)	4/15									
06/17 12:54:00 - 06/17 13:06:54	Fixed (	-936.0,	0.0)	5/15									
06/17 13:10:00 - 06/17 13:16:54	Fixed (	815.0,	470.0)	6/15									
06/17 13:20:00 - 06/17 13:32:54	Fixed (	411.0,	847.0)	7/15									
06/17 13:36:00 - 06/17 13:59:00	Fixed (	0.0,	941.0)	8/15									
06/17 14:45:00 - 06/17 14:57:54	Fixed (	-411.0,	847.0)	9/15									
06/17 15:01:00 - 06/17 15:07:54	Fixed (	-815.0,	470.0)	10/15									
06/17 15:11:00 - 06/17 15:17:54	Fixed (	815.0,	-470.0)	11/15									
06/17 15:21:00 - 06/17 15:37:30	Fixed (	411.0,	-847.0)	12/15									
06/17 16:33:00 - 06/17 16:45:54	Fixed (	0.0,	-941.0)	13/15									
06/17 16:49:00 - 06/17 17:01:54	Fixed (	-411.0,	-847.0)	14/15									
06/17 17:05:00 - 06/17 17:15:30	Fixed (	-815.0,	-471.0)	15/15									
<b>PROG= 15 Inf.-time(s)</b>													
<b>Subr= 1 30-time(s) 120.0sec</b>													
<b>Seqn= 78 1-time(s) 4.0sec</b>													
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0	2.0sec
<b>Subr= 2 1-time(s) 2.0sec</b>													
<b>Seqn= 90 1-time(s) 2.0sec</b>													
	Open/G-band	Open/G-band	open	Safe	Norm	12ms	Obs	2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	16ms	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	

<b>XOB #1A8F: G-Band Alignment with North Pole Q90 2x2(G-band only) - 1msec - 5min cadence - Partial Sun-wNGT</b>													
Term	Pointing (x, y)			Comment									
06/18 02:02:00 - 06/18 03:46:54	Fixed (	0.0,	930.0)	# Co-alignment at N-pole									
<b>PROG= 20 1-time(s)</b>													
<b>Subr= 1 1-time(s) 360.0sec</b>													
<b>Seqn= 76 24-time(s) 300.0sec</b>													
	Open/G-band	Open/G-band	open	Safe	Norm	12ms	Obs	2x2	2048x1536 (1024, 768)	Q=90	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

**XOB #1A90: G-Band Alignment with East limb Q90 2x2 (G-band only) - 1msec- 8 min cadence-wNGT**

Term	Pointing (x, y)	Comment
06/18 04:02:00 - 06/18 05:46:54	Fixed ( -945.0, 0.0)	# Co-alignment at E-limb
<b>PROG= 13 1-time(s)</b>		
└ Subr= 1 1-time(s) 360.0sec		
└ Seqn= 60 15-time(s) 480.0sec		
└ Open/G-band Open/G-band open Safe Norm 12ms Obs 2x2 1536x2048 (1280, 1024) Q=90 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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### Flare mode

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### XOB #1A77: 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
06/16 11:10:00 - 06/16 17:59:54	Track ( -200.8, -372.6) @ 06/16 11:07:00	# OP start + 10min, AR12367 (1 hour high cadence SP map)
06/16 19:07:00 - 06/16 21:35:00	Track ( -143.4, -373.3) @ 06/16 18:10:00	# Cont,
06/16 22:38:06 - 06/17 00:52:00	Fixed ( 0.0, 0.0)	# SOT flat field and EIS spectral atlas
06/17 01:26:06 - 06/17 05:38:30	Track ( -84.9, -374.0) @ 06/17 01:16:00	# AR12367 obs
06/17 06:36:00 - 06/17 10:40:30	Track ( -41.1, -374.5) @ 06/17 06:33:00	# Cont,
06/17 11:15:30 - 06/17 11:44:24	Fixed ( 936.0, 0.0)	# HOP130 1/15
06/17 11:47:30 - 06/17 12:00:24	Fixed ( 0.0, 0.0)	3/15
06/17 12:03:30 - 06/17 12:20:30	Fixed ( -468.0, 0.0)	4/15
06/17 12:54:00 - 06/17 13:06:54	Fixed ( -936.0, 0.0)	5/15
06/17 13:10:00 - 06/17 13:16:54	Fixed ( 815.0, 470.0)	6/15
06/17 13:20:00 - 06/17 13:32:54	Fixed ( 411.0, 847.0)	7/15
06/17 13:36:00 - 06/17 13:59:00	Fixed ( 0.0, 941.0)	8/15
06/17 14:45:00 - 06/17 14:57:54	Fixed ( -411.0, 847.0)	9/15
06/17 15:01:00 - 06/17 15:07:54	Fixed ( -815.0, 470.0)	10/15
06/17 15:11:00 - 06/17 15:17:54	Fixed ( 815.0, -470.0)	11/15
06/17 15:21:00 - 06/17 15:37:30	Fixed ( 411.0, -847.0)	12/15
06/17 16:33:00 - 06/17 16:45:54	Fixed ( 0.0, -941.0)	13/15
06/17 16:49:00 - 06/17 17:01:54	Fixed ( -411.0, -847.0)	14/15
06/17 17:05:00 - 06/17 17:15:30	Fixed ( -815.0, -471.0)	15/15
06/17 18:13:30 - 06/18 01:46:54	Track ( 55.5, -375.3) @ 06/17 18:10:30	# Cont,
06/18 06:00:00 - 06/18 09:35:00	Track ( 152.5, -375.9) @ 06/18 05:57:00	# AR12367 obs

Term	Pointing (x, y)	Comment
<b>PROG= 02 30-time(s)</b>		
└ Subr= 1 20-time(s) 2.0sec		
└ Seqn= 11 1-time(s) 2.0sec		
└ Al-poly/Open Al-poly/thick-Al close Safe Norm 125ms Obs 2x2 512x512 (1024, 1024) Q=95 2 0 2.0sec		
└ Seqn=100 1-time(s) 10.0sec		
└ 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		
└ Subr= 2 1-time(s) 2.0sec		
└ Seqn= 10 1-time(s) 2.0sec		
└ med-Al/Open med-Al/thick-Al close Safe Norm 500ms Obs 1x1 384x384 (1024, 1024) Q=95 3 0 2.0sec		
└ Open/thick-Be Open/thick-Be close Safe Norm 2.00s Obs 1x1 384x384 (1024, 1024) Q=95 3 0 2.0sec		
└ Seqn= 11 1-time(s) 2.0sec		
└ Al-poly/Open Al-poly/thick-Al close Safe Norm 125ms Obs 2x2 512x512 (1024, 1024) Q=95 2 0 2.0sec		
└ Seqn= 38 1-time(s) 2.0sec		
└ Open/G-band Open/G-band open Safe Norm 32ms Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec		
└ Open/thick-Al Open/thick-Al close Safe Dark 1.00s Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec		
└ Open/thick-Al Open/thick-Al close Safe Dark 1.00s Obs 2x2 512x512 (1024, 1024) Q=98 0 0 2.0sec		
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval		

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### Active Region Search

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NOT USED

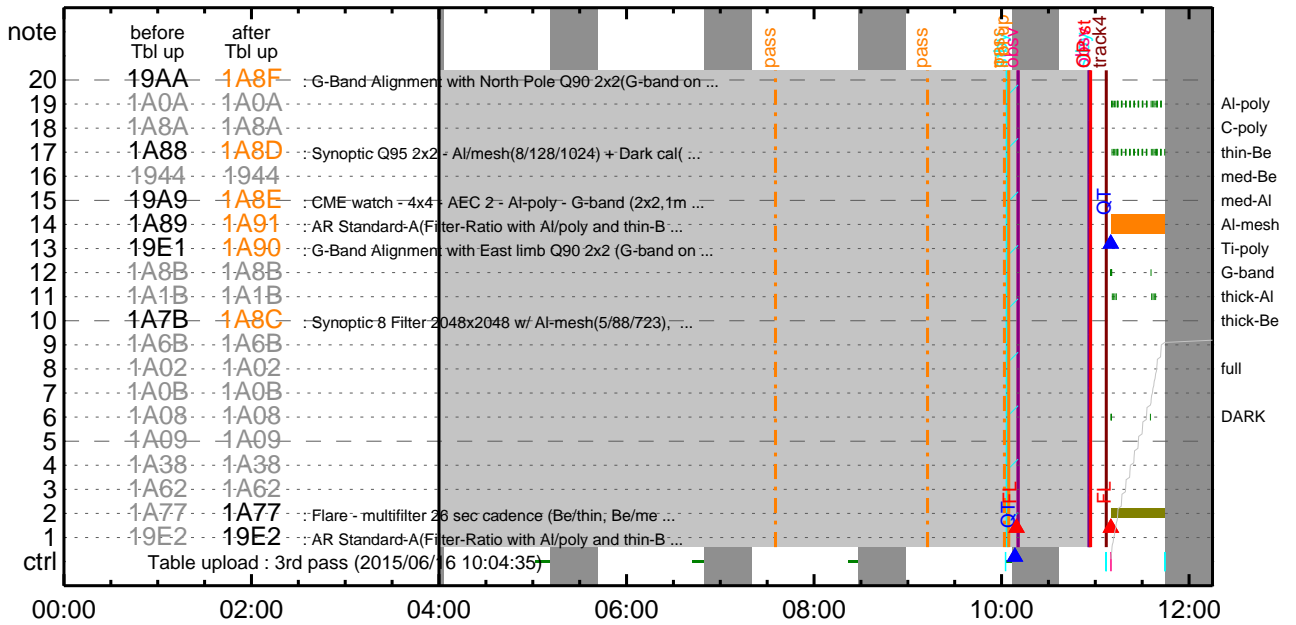
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### Flare Detection

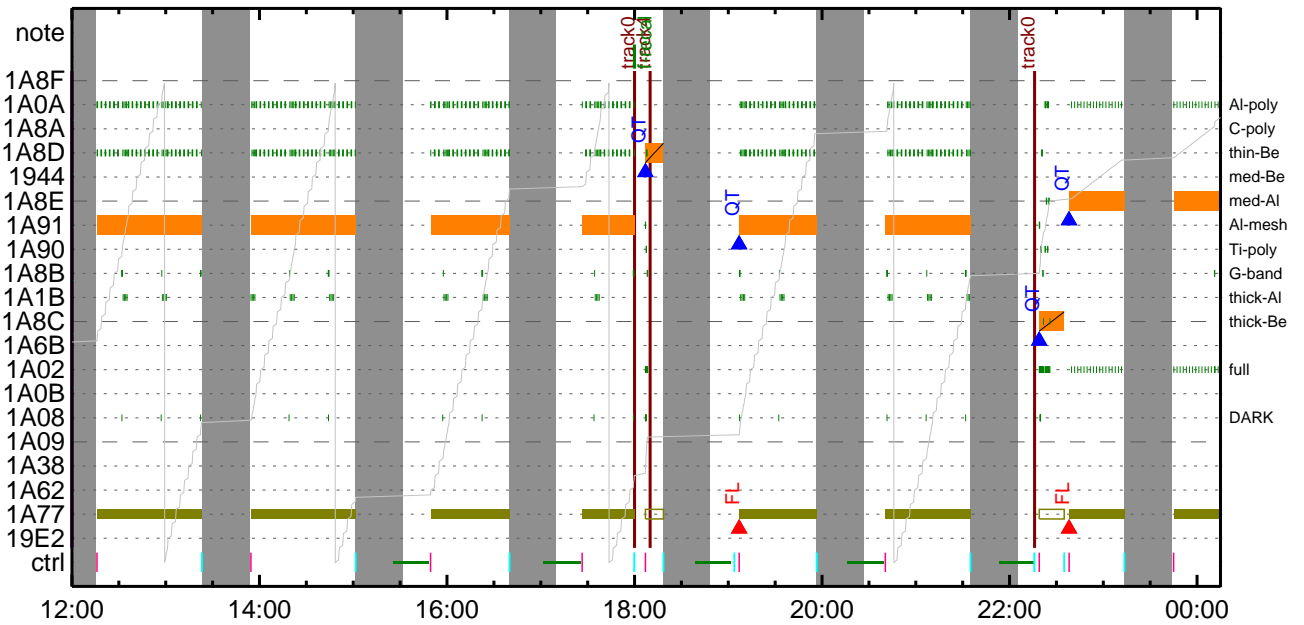
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Term	Pointing (x, y)	Comment
<b>FLD Patrol</b>		
06/16 19:04:18 - 06/16 22:16:18	Track ( -143.4, -373.3) @ 06/16 18:10:00	# Cont,
06/16 22:35:24 - 06/17 06:23:18	Fixed ( 0.0, 0.0)	# SOT flat field and EIS spectral atlas
06/17 06:33:18 - 06/17 18:00:48	Track ( -41.1, -374.5) @ 06/17 06:33:00	# Cont,
06/17 18:10:48 - 06/18 01:47:18	Track ( 55.5, -375.3) @ 06/17 18:10:30	# Cont,
06/18 05:57:18 - 06/20 10:05:00	Track ( 152.5, -375.9) @ 06/18 05:57:00	# AR12367 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		

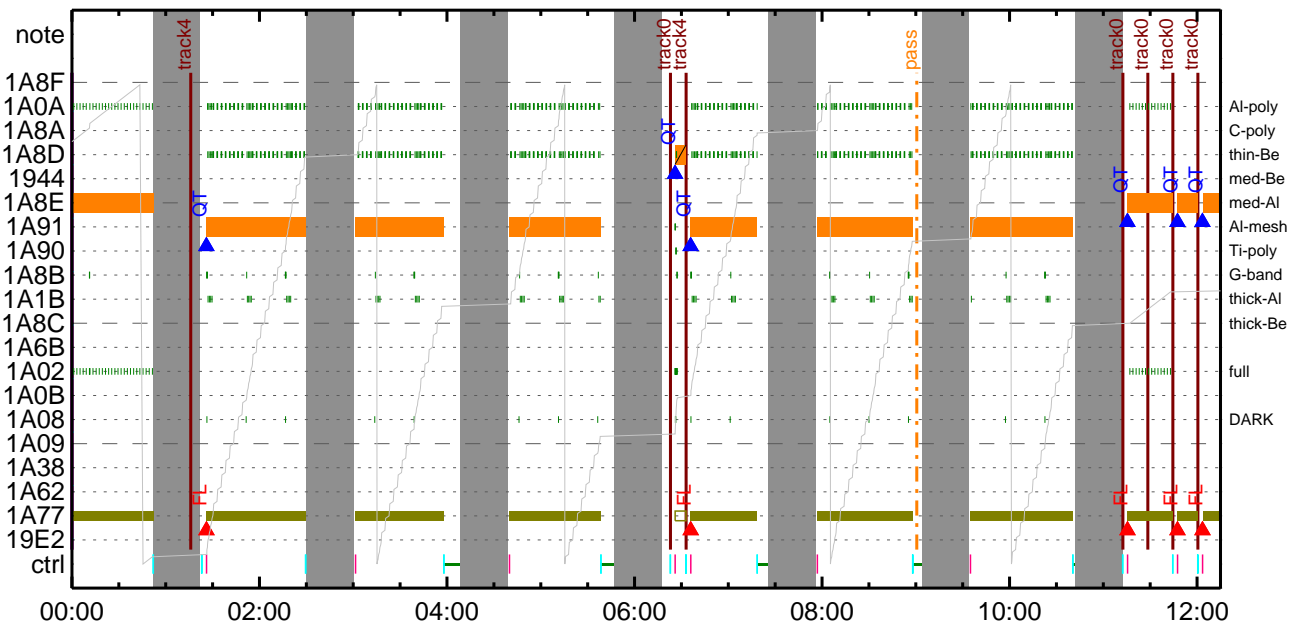
### CMDI #0199 2015/06/16



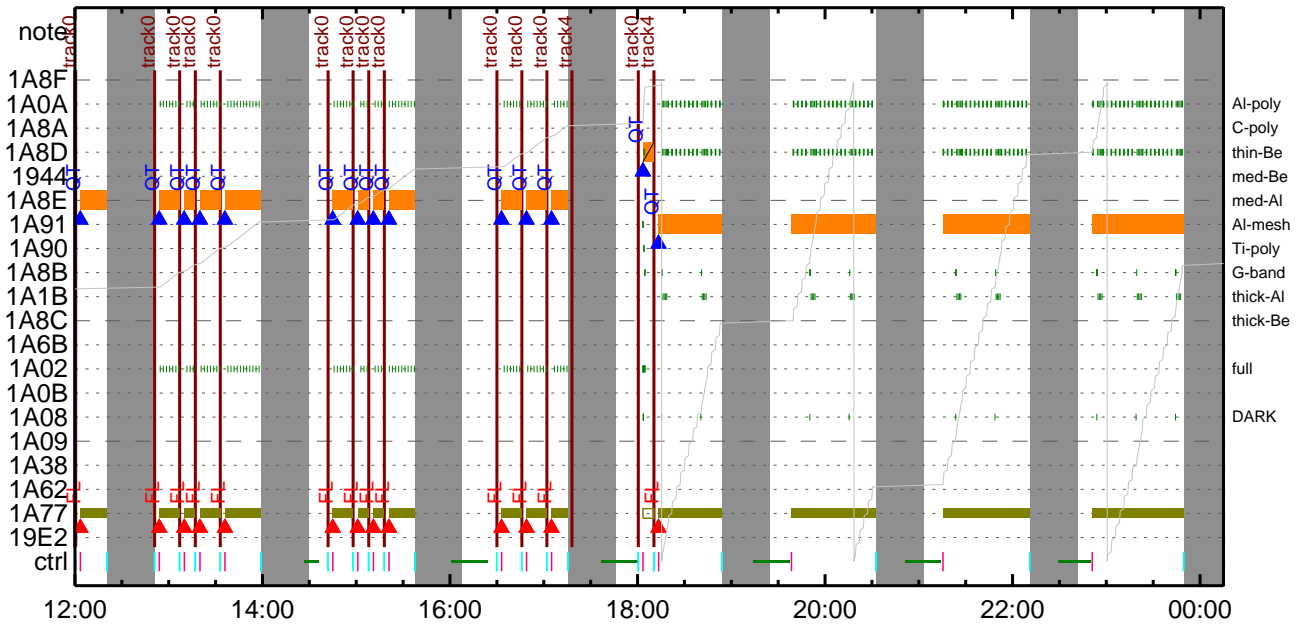
### CMDI #0199 2015/06/16



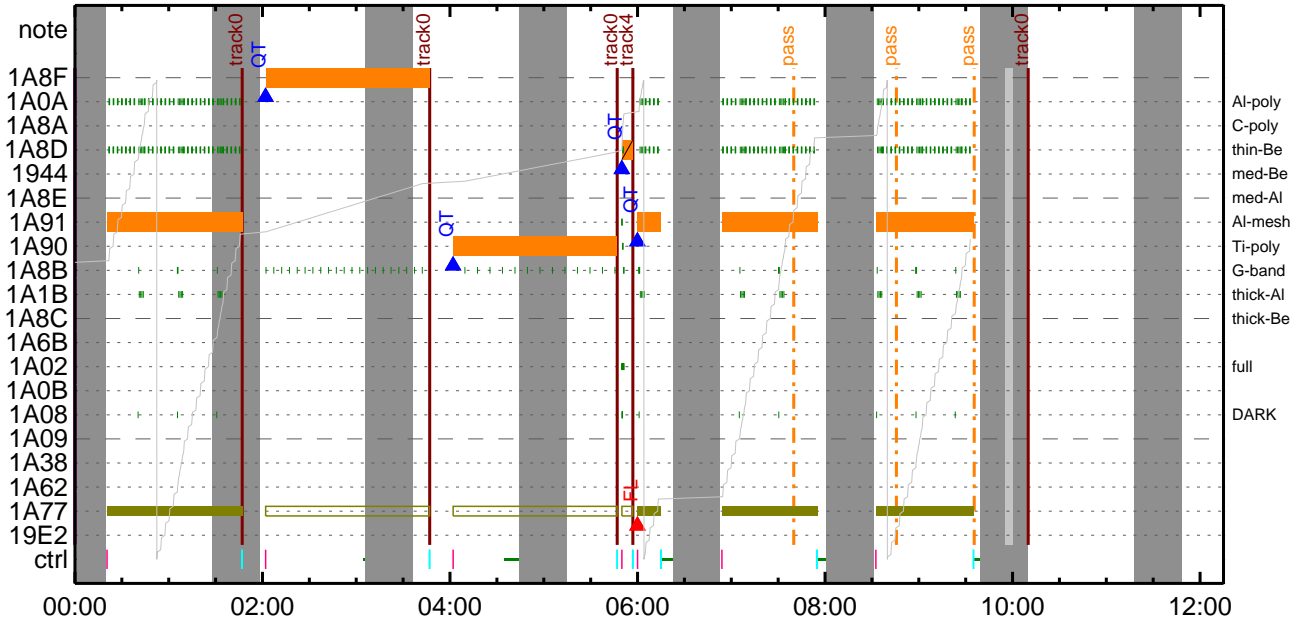
### CMDI #0199 2015/06/17



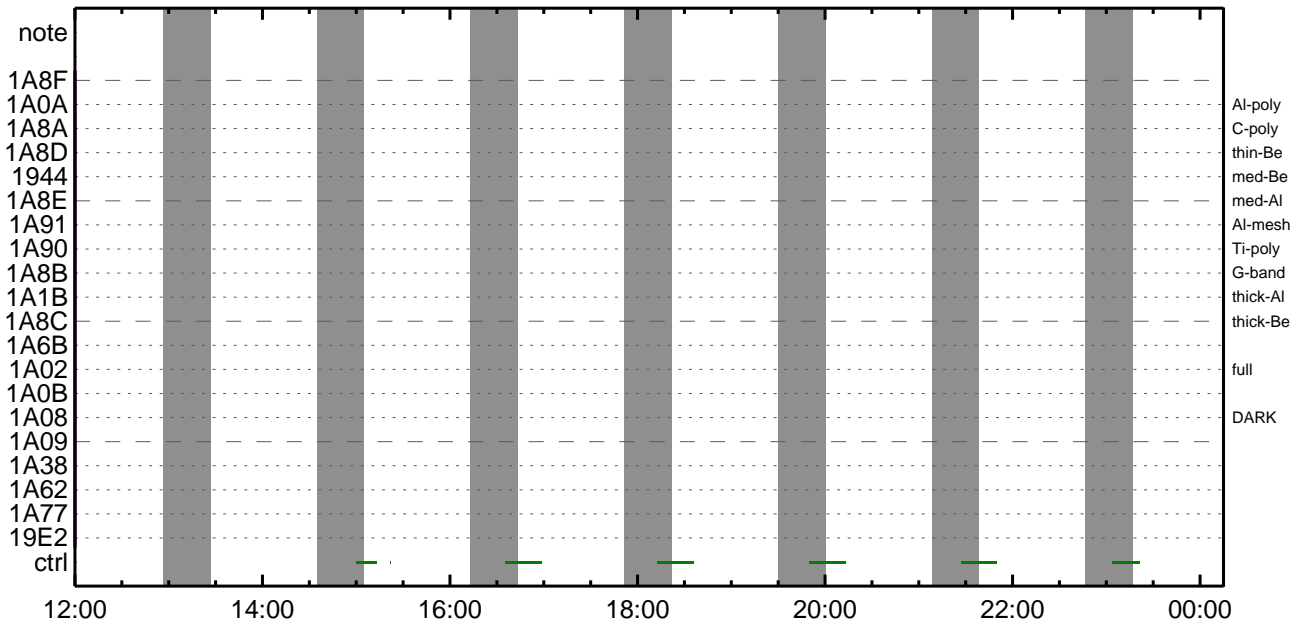
CMDI #0199 2015/06/17



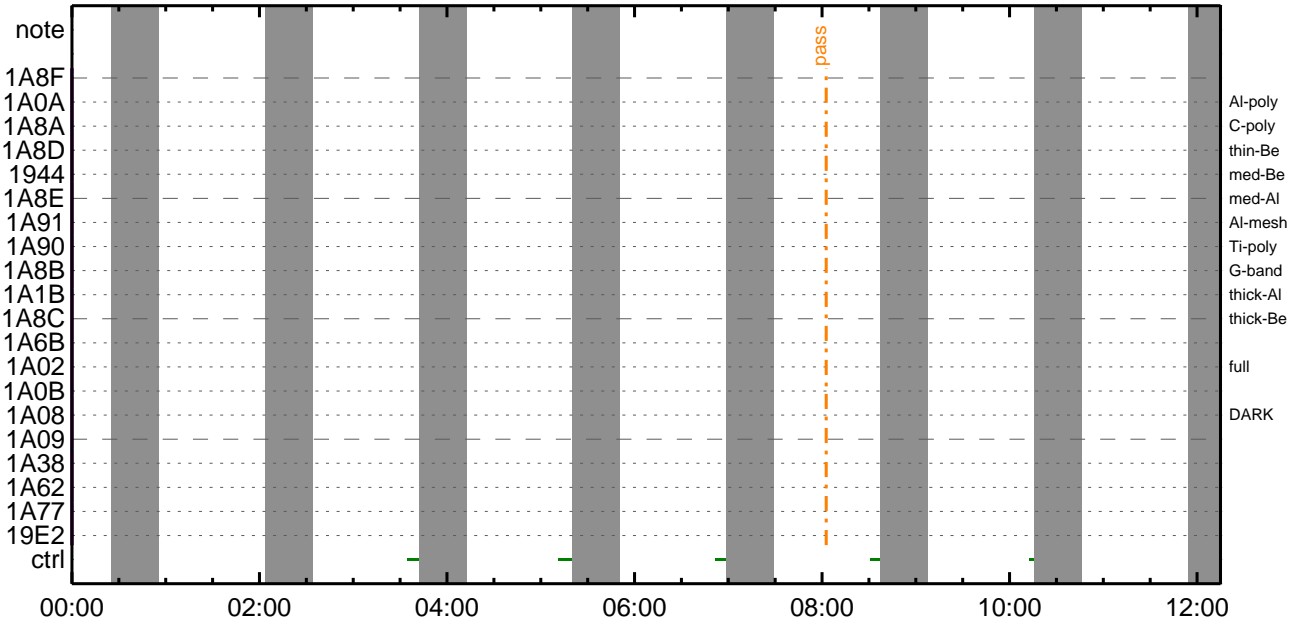
CMDI #0199 2015/06/18



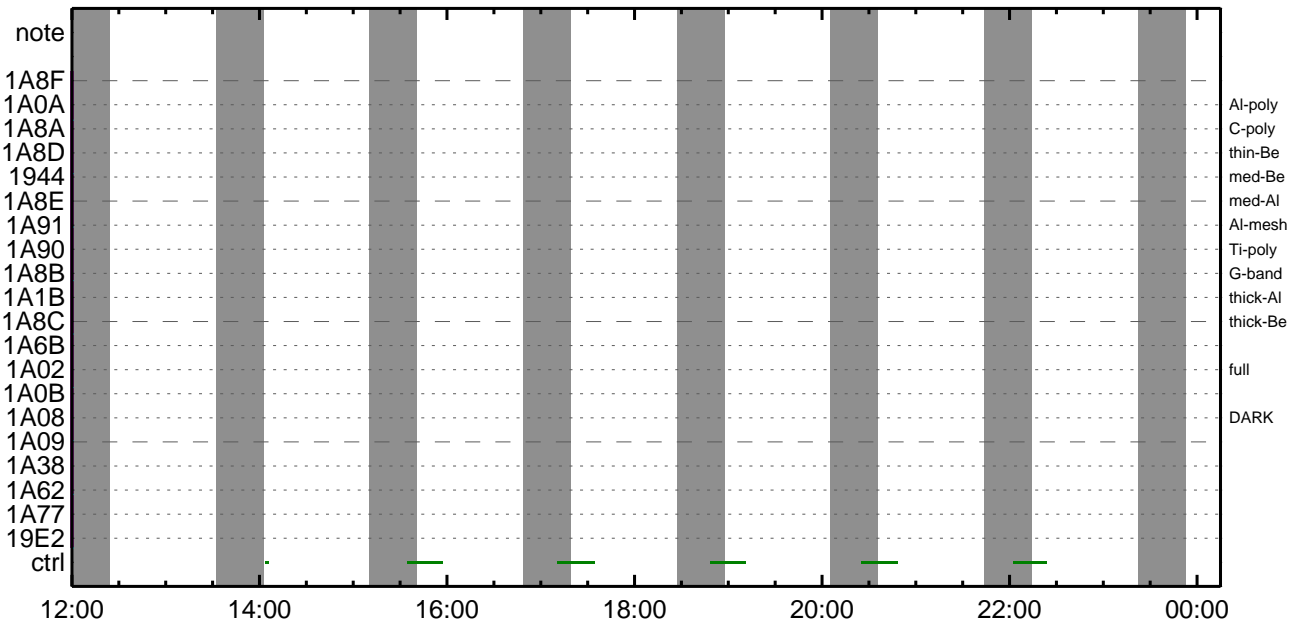
CMDI #0199 2015/06/18



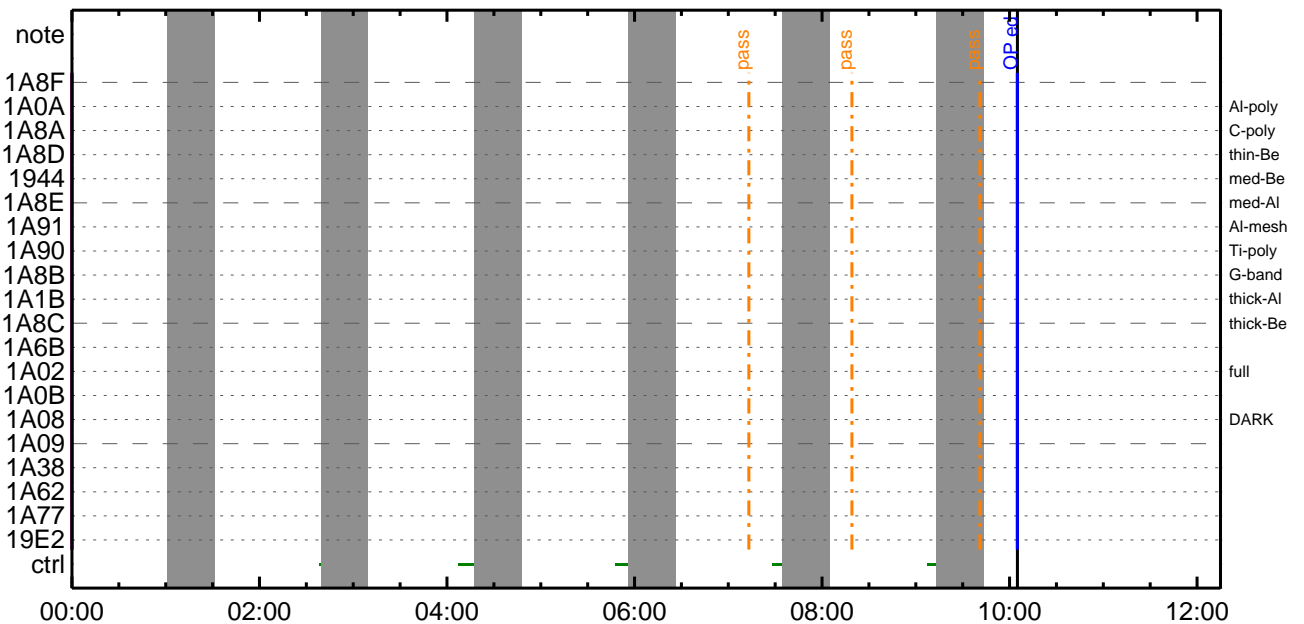
### CMDI #0199 2015/06/19



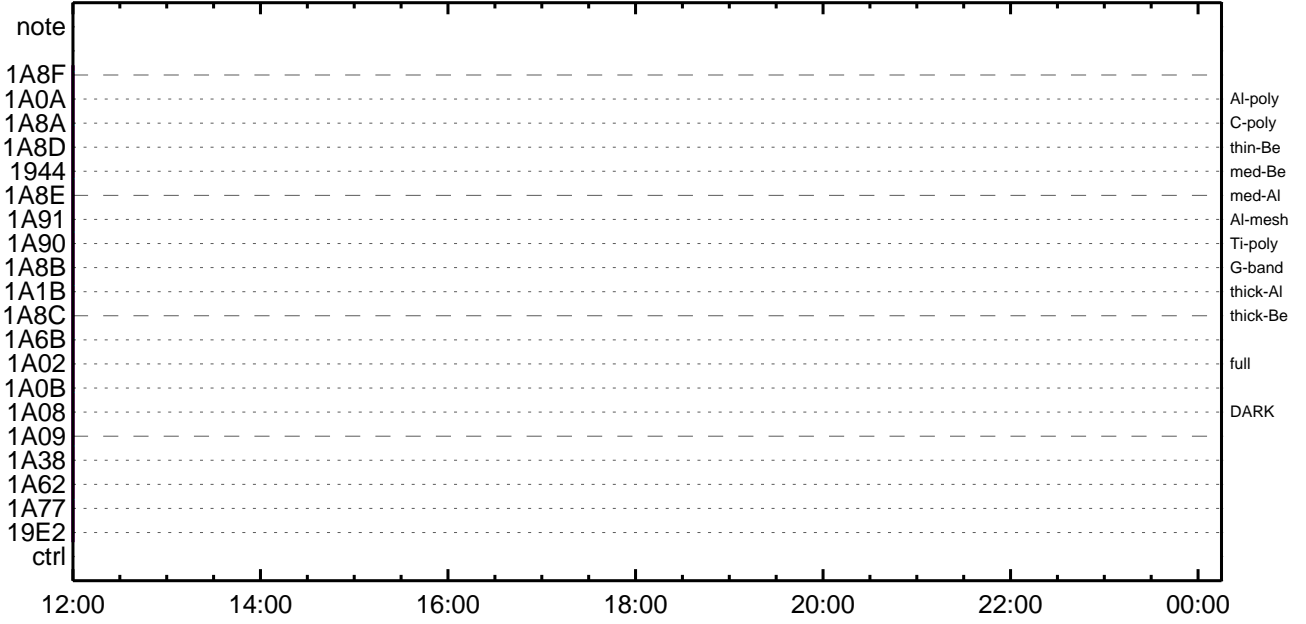
### CMDI #0199 2015/06/19



### CMDI #0199 2015/06/20



CMDI #0199 2015/06/20



(a) Spacecraft Operation Procedure (real-commands)

```
main-202 2015-06-16 13:07:26 289 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÄY-¼Á»Û;ä
0005 C.
0006 C. YÀYB;¼Y³YFÝÖYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Ëð¿ÒÁð•µ°È»Í×ÁÇÒÍYÇYÄY×YÍ;¼YÉ;ËÈÈµ•íÉ;ÈòÈ¼°ÇÒð•ø¿Ï¹ÇÒÍ;ÇÀ®;ùñ¹òÈòÈÇÁ+¿®ð•òÈòòò³òÈ;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×ËYÒÄLÒSÒÈÇÒÍ»P`Öòð¹Íí, ò•; ÇÉÒÍ×òÈXÁÒONÒÍ¹ÒòÈòíòÈòòò³òÈ;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. XYDÝÖYÉYÍYÄY-¾ÒÄÖò-òÁÄêò•ø¿;ç°È²¼ÒÍ°ÆÀ, ¼ê¿ÇÒð¼Á¹ÒòíòÈ;f
0030 C.
0031 . C. *****
0032 C. DR PT1 ÁÍ¼í°ÆÀ,
0033 C. *****
0034 C. Ç” RESTART;ËPT1;Ëò•ø¿Òò¼¹¹ÇÒÍ;ç°È²¼ÒÍ¼Á¹Òòò»°;çDCBC-150òØ¿Èòà;f
0035 C.
0036 . C. ;ãPT1°ÆÀ, ³«»Í;ä
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 (¼Á¹Ò, ;¼Ú)
0043 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ò, ;¼Ú)
0044 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ò, ;¼Ú)
0045 C.
0046 . C. ;ãYÇYÖYÆYÉÄÜÁØ;ËÁ•Á²òÈò;Ë, áòÍ°ÆÀ, °Æ³«;ä
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 (¼Á¹Ò, ;¼Ú)
0050 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ò, ;¼Ú)
0051 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ò, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ÆÀ, ò-¼«Æ°Áá»ßò•ø¿, á;ç°È²¼Òò¼Á¹ÒòíòÈ;f
0055 C. YÇYÖYÆYÉÄÜÁØòÁ•Á²òÈòò-¼áòò¼¹¹ÇÒÍ`°Í»ò¹òÈòÈÇÁÒòÁ;f
0056 C.
0057 . C. *****
0058 C. DR PT2 ÁÍ¼í°ÆÀ,
0059 C. *****
0060 C. Ç” RESTART;ËPT2;Ëò•ø¿Òò¼¹¹ÇÒÍ;ç°È²¼ÒÍ¼Á¹Òòò»°;çDCBC-151òØ¿Èòà;f
0061 C.
0062 . C. ;ãPT2°ÆÀ, ³«»Í;ä
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 (¼Á¹Ò, ;¼Ú)
0069 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ò, ;¼Ú)
0070 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ò, ;¼Ú)
0071 C.
0072 . C. ;ãYÇYÖYÆYÉÄÜÁØ;ËÁ•Á²òÈò;Ë, áòÍ°ÆÀ, °Æ³«;ä
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 (¼Á¹Ò, ;¼Ú)
0076 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ò, ;¼Ú)
0077 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ò, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÆÀ, Áá»ß;çXÁ+¿@µ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÆÀ, Áá»ß;ä
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;ä
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
```



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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|YAYOYx
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-202:OP
0104 ( )
0105 S. OG og-202:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°èYAYOYx;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. YAYOYx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î½E¹ç•è²îOKò³îÇ§
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. YAYOYx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î½E¹ç•è²îOKò³îÇ§
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. YAYOYx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î½E¹ç•è²îOKò³îÇ§
0165 C.
0166 C. ***** °E²¼òî½Ä´¶Á°òEÉ¬ò°Á÷¿@ (¼âµ-YAYOYx½ê½çòðÁÓÆòÇ¼ª°¬òE¼î¹çòçòâ) *****
0167 C. DHUYâ;4YE;E½Y½;Yî;4YE;Eòðîã¹
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 UPLOAD²-Á÷¿@NG²î½î¹ç;ç°E²¼òî½TI-CMDÁ÷¿@²î½Á¹Ôª°¬E²ò³òE;f
0180 C. ²²ò¿;çSET²E²DUMP²î½±°îYÑY¹ç¹Ôª|²³òE;f
0181 C.
0182 C. TIY³Y²YóYÉòðÁDî¿(UT)
0183 +. TI 2015-06-16 10:52:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2015-06-16 10:52:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2015-06-16 10:52:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

```





```

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 = 6635961.6 +- 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 2015-06-16 10:56:50.0
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 `úÃîî»ö¼ÝðÉÁð¹ñèDCBC•x²è *****
0165 C. (¼â°îYÓYÁYÉYÏYÉYÁYçYèñE¼¼¼¼»Û¹ñé)
0166 . S. DC-BC dcbc-402:DCBC
0167 (MDP_known_event)
0168 C.
0169 C.
0170 . C. ***** YDY¹•İ Daily±;İÑñÉ'Ø¹ñèDCBC•x²è *****
0171 . S. DC-BC dcbc-153:DCBC
0172 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0173 C.
0174 C.
0175 . C. ;ãLOS¥Á¥S¥Á¥-¼Á»Û;ã
0176 C.
0177 . C. ***** LOS *****
0178 C.

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Jun 16, 15 13:07

XRT\_OGLIST\_0199.chk

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

2015/06/16	11:06:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2015/06/16	11:06:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2015/06/16	11:06:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2015/06/16	11:07:00.0	AOCS_Ore-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	04 00 00 00 00		
2015/06/16	11:07:18.0	XRT_FLD_ENA_411_OG [0x19b]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2015/06/16	11:07:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2015/06/16	11:07:22.0	XRT_AEC_RESET_441_OG [0x1b9]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2015/06/16	11:07:24.0	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2015/06/16	11:07:26.0	XRT_FLD_RESET_449_OG [0x1c1]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2015/06/16	11:09:56.0	XRT_QT_PROG_SET_427_OG [0x1ab]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e		
2015/06/16	11:09:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 02		
2015/06/16	11:10:00.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2015/06/16	11:44:30.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2015/06/16	11:44:32.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2015/06/16	11:44:34.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2015/06/16	11:44:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2015/06/16	11:47:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2015/06/16	12:15:00.0	XRT_Custom_430_OG [0x1ae]					
2015/06/16	12:16:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2015/06/16	13:23:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2015/06/16	13:23:02.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2015/06/16	13:23:04.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2015/06/16	13:23:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2015/06/16	13:26:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2015/06/16	13:53:30.0	XRT_Custom_430_OG [0x1ae]					
2015/06/16	13:54:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2015/06/16	15:01:30.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2015/06/16	15:01:32.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2015/06/16	15:01:34.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2015/06/16	15:01:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2015/06/16	15:04:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2015/06/16	15:48:30.0	XRT_Custom_430_OG [0x1ae]					
2015/06/16	15:49:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2015/06/16	16:40:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2015/06/16	16:40:02.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2015/06/16	16:40:04.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2015/06/16	16:40:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2015/06/16	16:43:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2015/06/16	17:25:30.0	XRT_Custom_430_OG [0x1ae]					
2015/06/16	17:26:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2015/06/16	17:59:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2015/06/16	17:59:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2015/06/16	17:59:58.0	XRT_FOCUS_RECALIBRATE_445_OG [0x1bd]					
		XRT_FOCUS_RECAL	2	07-F8	78 00		
2015/06/16	18:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 00 00 00 00		
2015/06/16	18:03:58.0	XRT_FOCUS_POSITION_403_OG [0x193]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2015/06/16	18:04:18.0	XRT_FLD_DIS_422_OG [0x1a6]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2015/06/16	18:06:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2015/06/16	18:06:56.0	XRT_ARS_DIS_423_OG [0x1a7]					

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2015/06/16	18:06:58.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2015/06/16	18:07:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11
2015/06/16	18:10:00.0	AOCs_OrE-point_Start_1_OG [0x097]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2015/06/16	18:18:30.0	XRT_CTRL_MANU_400_OG [0x190]	AOCU_NM	5	02-76	04	00 00 00 00
2015/06/16	18:18:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2015/06/16	18:18:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2015/06/16	18:18:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da	
2015/06/16	18:21:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2015/06/16	19:03:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2015/06/16	19:03:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2015/06/16	19:03:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2015/06/16	19:04:18.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2015/06/16	19:04:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2015/06/16	19:04:22.0	XRT_AEC_RESET_441_OG [0x1b9]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2015/06/16	19:04:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2015/06/16	19:04:26.0	XRT_FLD_RESET_449_OG [0x1c1]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2015/06/16	19:06:56.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da	
2015/06/16	19:06:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0e
2015/06/16	19:07:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	02
2015/06/16	19:56:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2015/06/16	19:56:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2015/06/16	19:56:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2015/06/16	19:56:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da	
2015/06/16	19:59:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2015/06/16	20:39:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2015/06/16	20:40:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]				
2015/06/16	21:35:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2015/06/16	21:35:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2015/06/16	21:35:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2015/06/16	21:35:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da	
2015/06/16	21:38:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2015/06/16	22:15:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2015/06/16	22:15:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2015/06/16	22:15:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2015/06/16	22:16:00.0	AOCs_OrE-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2015/06/16	22:16:18.0	XRT_FLD_DIS_422_OG [0x1a6]	AOCU_NM	5	02-76	00	00 00 00 00
2015/06/16	22:18:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2015/06/16	22:18:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2015/06/16	22:18:58.0	XRT_QT_PROG_SET_448_OG [0x1c0]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2015/06/16	22:19:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0a
2015/06/16	22:35:00.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2015/06/16	22:35:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2015/06/16	22:35:04.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2015/06/16	22:35:24.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2015/06/16	22:35:26.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2015/06/16	22:35:28.0	XRT_AEC_RESET_441_OG [0x1b9]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2015/06/16	22:35:30.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	



2015/06/16	22:35:32.0	XRT_FLD_RESET_449_OG [0x1c1]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2015/06/16	22:38:02.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_FLD_RESET	1	07-F0	da				
2015/06/16	22:38:04.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f			
2015/06/16	22:38:06.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	02			
2015/06/16	23:13:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2015/06/16	23:13:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/16	23:13:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/16	23:13:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da				
2015/06/16	23:16:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2015/06/16	23:44:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2015/06/16	23:45:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2015/06/17	00:52:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	00:52:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	00:52:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	00:52:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da				
2015/06/17	00:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2015/06/17	01:16:00.0	AOCS_Ore-point_Start_1_OG [0x097]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2015/06/17	01:23:00.0	XRT_CTRL_MANU_402_OG [0x192]	AOCU_NM	5	02-76	04	00	00	00	00
2015/06/17	01:23:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	01:23:04.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	01:23:24.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2015/06/17	01:23:26.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2015/06/17	01:23:28.0	XRT_AEC_RESET_441_OG [0x1b9]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2015/06/17	01:23:30.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2015/06/17	01:23:32.0	XRT_FLD_RESET_449_OG [0x1c1]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2015/06/17	01:26:02.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da				
2015/06/17	01:26:04.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0e			
2015/06/17	01:26:06.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	02			
2015/06/17	02:29:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2015/06/17	02:29:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	02:29:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	02:29:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da				
2015/06/17	02:32:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2015/06/17	03:00:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2015/06/17	03:01:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2015/06/17	03:58:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	03:58:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	03:58:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	03:58:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da				
2015/06/17	04:01:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2015/06/17	04:39:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2015/06/17	04:40:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2015/06/17	05:38:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	05:38:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	05:38:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	05:38:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da				
2015/06/17	05:41:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2015/06/17	06:22:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				

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2015/06/17	06:22:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	06:22:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	06:23:00.0	AOCS_Ore-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2015/06/17	06:23:18.0	XRT_FLD_DIS_422_OG [0x1a6]	AOCU_NM	5	02-76	00	00	00	00
2015/06/17	06:25:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2015/06/17	06:25:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2015/06/17	06:25:58.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2015/06/17	06:26:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11		
2015/06/17	06:32:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2015/06/17	06:32:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	06:32:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	06:33:00.0	AOCS_Ore-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2015/06/17	06:33:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	04	00	00	00
2015/06/17	06:33:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2015/06/17	06:33:22.0	XRT_AEC_RESET_441_OG [0x1b9]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2015/06/17	06:33:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2015/06/17	06:33:26.0	XRT_FLD_RESET_449_OG [0x1c1]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2015/06/17	06:35:56.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da			
2015/06/17	06:35:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0e		
2015/06/17	06:36:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	02		
2015/06/17	07:18:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2015/06/17	07:18:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	07:18:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	07:18:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da			
2015/06/17	07:21:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2015/06/17	07:56:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2015/06/17	07:57:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]						
2015/06/17	08:58:00.0	XRT_CTRL_MANU_400_OG [0x190]	XRT_CTRL_AUTO_424_OG [0x1a8]						
2015/06/17	08:58:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2015/06/17	08:58:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	08:58:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	09:01:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_FLD_RESET	1	07-F0	da			
2015/06/17	09:34:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2015/06/17	09:35:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2015/06/17	10:40:30.0	XRT_CTRL_MANU_400_OG [0x190]	XRT_CTRL_AUTO_424_OG [0x1a8]						
2015/06/17	10:40:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2015/06/17	10:40:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	10:40:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	10:43:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_FLD_RESET	1	07-F0	da			
2015/06/17	11:12:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2015/06/17	11:12:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2015/06/17	11:12:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_CTRL_MANU_402_OG [0x192]						
2015/06/17	11:12:30.0	AOCS_Ore-point_Start_3_OG [0x099]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	11:12:48.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2015/06/17	11:12:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	AOCU_NM	5	02-76	00	00	00	ac
2015/06/17	11:12:52.0	XRT_AEC_RESET_441_OG [0x1b9]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2015/06/17	11:12:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
			MDP_XRT_AEC_RESET	1	07-F0	d0			
			MDP_XRT_ARS_DIS	1	07-F0	d5			

2015/06/17	11:12:56.0	XRT_FLD_RESET_449_OG [0x1c1]	MDP_XRT_FLD_RESET	1	07-F0	da
2015/06/17	11:15:26.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f
2015/06/17	11:15:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 02
2015/06/17	11:15:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2015/06/17	11:28:30.0	AOCS_Ore-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 00 00 d6 67
2015/06/17	11:44:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	11:44:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	11:44:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2015/06/17	11:44:30.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00
2015/06/17	11:44:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2015/06/17	11:44:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2015/06/17	11:44:52.0	XRT_AEC_RESET_441_OG [0x1b9]	MDP_XRT_AEC_RESET	1	07-F0	d0
2015/06/17	11:44:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2015/06/17	11:44:56.0	XRT_FLD_RESET_449_OG [0x1c1]	MDP_XRT_FLD_RESET	1	07-F0	da
2015/06/17	11:47:26.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f
2015/06/17	11:47:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 02
2015/06/17	11:47:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2015/06/17	12:00:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	12:00:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	12:00:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2015/06/17	12:00:30.0	AOCS_ORe-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	00 00 00 29 99
2015/06/17	12:00:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2015/06/17	12:00:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2015/06/17	12:00:52.0	XRT_AEC_RESET_441_OG [0x1b9]	MDP_XRT_AEC_RESET	1	07-F0	d0
2015/06/17	12:00:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2015/06/17	12:00:56.0	XRT_FLD_RESET_449_OG [0x1c1]	MDP_XRT_FLD_RESET	1	07-F0	da
2015/06/17	12:03:26.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f
2015/06/17	12:03:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 02
2015/06/17	12:03:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2015/06/17	12:20:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	12:20:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	12:20:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2015/06/17	12:20:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2015/06/17	12:23:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2015/06/17	12:50:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	12:50:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	12:50:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2015/06/17	12:51:00.0	AOCS_ORe-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	00 00 00 53 33
2015/06/17	12:51:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2015/06/17	12:51:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2015/06/17	12:51:22.0	XRT_AEC_RESET_441_OG [0x1b9]	MDP_XRT_AEC_RESET	1	07-F0	d0
2015/06/17	12:51:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2015/06/17	12:51:26.0	XRT_FLD_RESET_449_OG [0x1c1]	MDP_XRT_FLD_RESET	1	07-F0	da
2015/06/17	12:53:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f
2015/06/17	12:53:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 02
2015/06/17	12:54:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2015/06/17	13:06:54.0	XRT_CTRL_MANU_402_OG [0x192]				

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2015/06/17	13:06:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	13:06:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	13:07:00.0	AOCS_Ore-point_Start_7_OG [0x09d]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2015/06/17	13:07:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00	d6	36	b7 8e
2015/06/17	13:07:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2015/06/17	13:07:22.0	XRT_AEC_RESET_441_OG [0x1b9]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2015/06/17	13:07:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2015/06/17	13:07:26.0	XRT_FLD_RESET_449_OG [0x1c1]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2015/06/17	13:09:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_FLD_RESET	1	07-F0	da			
2015/06/17	13:09:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f		
2015/06/17	13:10:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	02		
2015/06/17	13:16:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2015/06/17	13:16:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	13:16:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	13:17:00.0	AOCS_Ore-point_Start_8_OG [0x09e]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2015/06/17	13:17:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00	b4	b5	db 75
2015/06/17	13:17:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2015/06/17	13:17:22.0	XRT_AEC_RESET_441_OG [0x1b9]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2015/06/17	13:17:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2015/06/17	13:17:26.0	XRT_FLD_RESET_449_OG [0x1c1]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2015/06/17	13:19:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_FLD_RESET	1	07-F0	da			
2015/06/17	13:19:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f		
2015/06/17	13:20:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	02		
2015/06/17	13:32:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2015/06/17	13:32:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	13:32:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	13:33:00.0	AOCS_Ore-point_Start_9_OG [0x09f]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2015/06/17	13:33:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00	ac	5b	00 00
2015/06/17	13:33:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2015/06/17	13:33:22.0	XRT_AEC_RESET_441_OG [0x1b9]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2015/06/17	13:33:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2015/06/17	13:33:26.0	XRT_FLD_RESET_449_OG [0x1c1]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2015/06/17	13:35:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_FLD_RESET	1	07-F0	da			
2015/06/17	13:35:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f		
2015/06/17	13:36:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	02		
2015/06/17	13:59:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2015/06/17	13:59:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	13:59:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	13:59:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da			
2015/06/17	14:02:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2015/06/17	14:41:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2015/06/17	14:41:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	14:41:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2015/06/17	14:42:00.0	AOCS_Ore-point_Start_10_OG [0x0a0]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2015/06/17	14:42:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00	b4	b5	24 8b
2015/06/17	14:42:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2015/06/17			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			

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2015/06/17	14:42:22.0	XRT_AEC_RESET_441_OG [0x1b9]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2015/06/17	14:42:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2015/06/17	14:42:26.0	XRT_FLD_RESET_449_OG [0x1c1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2015/06/17	14:44:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f				
2015/06/17	14:44:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 02				
2015/06/17	14:45:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2015/06/17	14:57:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	14:57:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	14:57:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2015/06/17	14:58:00.0	AOCS_OrE-point_Start_11_OG [0x0a1]							
		AOCU_NM	5	02-76	00 d6 36 48 72				
2015/06/17	14:58:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2015/06/17	14:58:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2015/06/17	14:58:22.0	XRT_AEC_RESET_441_OG [0x1b9]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2015/06/17	14:58:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2015/06/17	14:58:26.0	XRT_FLD_RESET_449_OG [0x1c1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2015/06/17	15:00:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f				
2015/06/17	15:00:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 02				
2015/06/17	15:01:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2015/06/17	15:07:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	15:07:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	15:07:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2015/06/17	15:08:00.0	AOCS_OrE-point_Start_12_OG [0x0a2]							
		AOCU_NM	5	02-76	00 29 ca b7 8e				
2015/06/17	15:08:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2015/06/17	15:08:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2015/06/17	15:08:22.0	XRT_AEC_RESET_441_OG [0x1b9]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2015/06/17	15:08:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2015/06/17	15:08:26.0	XRT_FLD_RESET_449_OG [0x1c1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2015/06/17	15:10:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f				
2015/06/17	15:10:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 02				
2015/06/17	15:11:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2015/06/17	15:17:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	15:17:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	15:17:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2015/06/17	15:18:00.0	AOCS_OrE-point_Start_13_OG [0x0a3]							
		AOCU_NM	5	02-76	00 4b 4b db 75				
2015/06/17	15:18:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2015/06/17	15:18:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2015/06/17	15:18:22.0	XRT_AEC_RESET_441_OG [0x1b9]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2015/06/17	15:18:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2015/06/17	15:18:26.0	XRT_FLD_RESET_449_OG [0x1c1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2015/06/17	15:20:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f				
2015/06/17	15:20:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 02				
2015/06/17	15:21:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2015/06/17	15:37:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	15:37:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2015/06/17	15:37:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2015/06/17	15:37:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2015/06/17	15:40:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							

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2015/06/17	16:29:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	16:29:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	16:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2015/06/17	16:30:00.0	AOCS_OrE-point_Start_14_OG [0x0a4]	AOCU_NM	5	02-76	00 53 a5 00 00
2015/06/17	16:30:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2015/06/17	16:30:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2015/06/17	16:30:22.0	XRT_AEC_RESET_441_OG [0x1b9]	MDP_XRT_AEC_RESET	1	07-F0	d0
2015/06/17	16:30:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2015/06/17	16:30:26.0	XRT_FLD_RESET_449_OG [0x1c1]	MDP_XRT_FLD_RESET	1	07-F0	da
2015/06/17	16:32:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f
2015/06/17	16:32:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 02
2015/06/17	16:33:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2015/06/17	16:45:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	16:45:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	16:45:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2015/06/17	16:46:00.0	AOCS_OrE-point_Start_15_OG [0x0a5]	AOCU_NM	5	02-76	00 4b 4b 24 8b
2015/06/17	16:46:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2015/06/17	16:46:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2015/06/17	16:46:22.0	XRT_AEC_RESET_441_OG [0x1b9]	MDP_XRT_AEC_RESET	1	07-F0	d0
2015/06/17	16:46:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2015/06/17	16:46:26.0	XRT_FLD_RESET_449_OG [0x1c1]	MDP_XRT_FLD_RESET	1	07-F0	da
2015/06/17	16:48:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f
2015/06/17	16:48:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 02
2015/06/17	16:49:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2015/06/17	17:01:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	17:01:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	17:01:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2015/06/17	17:02:00.0	AOCS_OrE-point_Start_16_OG [0x0a6]	AOCU_NM	5	02-76	00 29 db 48 72
2015/06/17	17:02:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2015/06/17	17:02:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2015/06/17	17:02:22.0	XRT_AEC_RESET_441_OG [0x1b9]	MDP_XRT_AEC_RESET	1	07-F0	d0
2015/06/17	17:02:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2015/06/17	17:02:26.0	XRT_FLD_RESET_449_OG [0x1c1]	MDP_XRT_FLD_RESET	1	07-F0	da
2015/06/17	17:04:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f
2015/06/17	17:04:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 02
2015/06/17	17:05:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2015/06/17	17:15:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	17:15:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	17:15:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2015/06/17	17:15:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2015/06/17	17:18:00.0	AOCS_OrE-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	04 00 00 00 00
2015/06/17	17:18:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2015/06/17	18:00:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	18:00:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	18:00:28.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2015/06/17	18:00:30.0	AOCS_OrE-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00

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2015/06/17	18:00:48.0	XRT_FLD_DIS_422_OG [0x1a6]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2015/06/17	18:03:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2015/06/17	18:03:26.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2015/06/17	18:03:28.0	XRT_QT_PROG_SET_421_OG [0x1a5]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2015/06/17	18:03:30.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2015/06/17	18:10:24.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	18:10:26.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	18:10:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2015/06/17	18:10:30.0	AOCS_ORe-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	04 00 00 00 00
2015/06/17	18:10:48.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2015/06/17	18:10:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2015/06/17	18:10:52.0	XRT_AEC_RESET_441_OG [0x1b9]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2015/06/17	18:10:54.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2015/06/17	18:10:56.0	XRT_FLD_RESET_449_OG [0x1c1]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2015/06/17	18:13:26.0	XRT_QT_PROG_SET_427_OG [0x1ab]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e
2015/06/17	18:13:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 02
2015/06/17	18:13:30.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2015/06/17	18:54:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	18:54:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	18:54:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2015/06/17	18:54:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2015/06/17	18:57:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2015/06/17	19:37:30.0	XRT_Custom_430_OG [0x1ae]			
2015/06/17	19:38:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2015/06/17	20:32:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	20:32:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	20:32:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2015/06/17	20:32:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2015/06/17	20:35:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2015/06/17	21:14:30.0	XRT_Custom_430_OG [0x1ae]			
2015/06/17	21:15:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2015/06/17	22:11:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	22:11:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	22:11:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2015/06/17	22:11:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2015/06/17	22:14:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2015/06/17	22:50:00.0	XRT_Custom_430_OG [0x1ae]			
2015/06/17	22:51:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2015/06/17	23:49:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	23:49:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/17	23:49:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2015/06/17	23:49:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2015/06/17	23:52:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2015/06/18	00:19:30.0	XRT_Custom_430_OG [0x1ae]			
2015/06/18	00:20:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2015/06/18	01:46:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/18	01:46:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2015/06/18	01:46:58.0	XRT_FOCUS_POSITION_414_OG [0x19e]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2015/06/18	01:47:00.0	AOCS_ORe-point_Start_17_OG [0x0a7]			

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2015/06/18	01:47:18.0	XRT_FLD_DIS_446_OG [0x1be]	AOCU_NM	5	02-76	00	ad	59	00	00
		MDP_XRT_FLD_DIS		1	07-F0		d9			
2015/06/18	01:47:20.0	XRT_FLRCTRL_DIS_431_OG [0x1af]		1	07-F0		c9			
		MDP_XRT_FLRCTRL_DIS		1	07-F0		c9			
2015/06/18	01:47:22.0	XRT_ARS_DIS_407_OG [0x197]		1	07-F0		d5			
		MDP_XRT_ARS_DIS		1	07-F0		d5			
2015/06/18	02:01:58.0	XRT_QT_PROG_SET_435_OG [0x1b3]		2	07-F0		c4	14		
		MDP_XRT_QT_PROG_SET		2	07-F0		c4	14		
2015/06/18	02:02:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0		c0			
		MDP_XRT_CTRL_AUTO		1	07-F0		c0			
2015/06/18	03:46:54.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1			
		MDP_XRT_CTRL_MANU		1	07-F0		c1			
2015/06/18	03:46:56.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1			
		MDP_XRT_CTRL_MANU		1	07-F0		c1			
2015/06/18	03:46:58.0	XRT_FOCUS_POSITION_414_OG [0x19e]		4	07-F8	22	fe	97	00	
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2015/06/18	03:47:00.0	AOCS_Ore-point_Start_18_OG [0x0a8]		5	02-76	00	00	00	54	00
		AOCU_NM		5	02-76	00	00	00	54	00
2015/06/18	03:47:18.0	XRT_FLD_DIS_446_OG [0x1be]		1	07-F0		d9			
		MDP_XRT_FLD_DIS		1	07-F0		d9			
2015/06/18	03:47:20.0	XRT_FLRCTRL_DIS_431_OG [0x1af]		1	07-F0		c9			
		MDP_XRT_FLRCTRL_DIS		1	07-F0		c9			
2015/06/18	03:47:22.0	XRT_ARS_DIS_407_OG [0x197]		1	07-F0		d5			
		MDP_XRT_ARS_DIS		1	07-F0		d5			
2015/06/18	04:01:58.0	XRT_QT_PROG_SET_417_OG [0x1a1]		2	07-F0		c4	0d		
		MDP_XRT_QT_PROG_SET		2	07-F0		c4	0d		
2015/06/18	04:02:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0		c0			
		MDP_XRT_CTRL_AUTO		1	07-F0		c0			
2015/06/18	05:46:54.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1			
		MDP_XRT_CTRL_MANU		1	07-F0		c1			
2015/06/18	05:46:56.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1			
		MDP_XRT_CTRL_MANU		1	07-F0		c1			
2015/06/18	05:46:58.0	XRT_FOCUS_POSITION_403_OG [0x193]		4	07-F8	22	ff	aa	00	
		XRT_FOCUS_POSITION		4	07-F8	22	ff	aa	00	
2015/06/18	05:47:00.0	AOCS_Ore-point_Start_2_OG [0x098]		5	02-76	00	00	00	00	00
		AOCU_NM		5	02-76	00	00	00	00	00
2015/06/18	05:47:18.0	XRT_FLD_DIS_422_OG [0x1a6]		1	07-F0		d9			
		MDP_XRT_FLD_DIS		1	07-F0		d9			
2015/06/18	05:49:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]		1	07-F0		c9			
		MDP_XRT_FLRCTRL_DIS		1	07-F0		c9			
2015/06/18	05:49:56.0	XRT_ARS_DIS_423_OG [0x1a7]		1	07-F0		d5			
		MDP_XRT_ARS_DIS		1	07-F0		d5			
2015/06/18	05:49:58.0	XRT_QT_PROG_SET_421_OG [0x1a5]		2	07-F0		c4	11		
		MDP_XRT_QT_PROG_SET		2	07-F0		c4	11		
2015/06/18	05:50:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0		c0			
		MDP_XRT_CTRL_AUTO		1	07-F0		c0			
2015/06/18	05:56:54.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1			
		MDP_XRT_CTRL_MANU		1	07-F0		c1			
2015/06/18	05:56:56.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1			
		MDP_XRT_CTRL_MANU		1	07-F0		c1			
2015/06/18	05:56:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]		4	07-F8	22	fe	97	00	
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2015/06/18	05:57:00.0	AOCS_Ore-point_Start_1_OG [0x097]		5	02-76	04	00	00	00	00
		AOCU_NM		5	02-76	04	00	00	00	00
2015/06/18	05:57:18.0	XRT_FLD_ENA_411_OG [0x19b]		1	07-F0		d8			
		MDP_XRT_FLD_ENA		1	07-F0		d8			
2015/06/18	05:57:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		1	07-F0		c8			
		MDP_XRT_FLRCTRL_ENA		1	07-F0		c8			
2015/06/18	05:57:22.0	XRT_AEC_RESET_441_OG [0x1b9]		1	07-F0		d0			
		MDP_XRT_AEC_RESET		1	07-F0		d0			
2015/06/18	05:57:24.0	XRT_ARS_DIS_423_OG [0x1a7]		1	07-F0		d5			
		MDP_XRT_ARS_DIS		1	07-F0		d5			
2015/06/18	05:57:26.0	XRT_FLD_RESET_449_OG [0x1c1]		1	07-F0		da			
		MDP_XRT_FLD_RESET		1	07-F0		da			
2015/06/18	05:59:56.0	XRT_QT_PROG_SET_427_OG [0x1ab]		2	07-F0		c4	0e		
		MDP_XRT_QT_PROG_SET		2	07-F0		c4	0e		
2015/06/18	05:59:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]		2	07-F0		c5	02		
		MDP_XRT_FL_PROG_SET		2	07-F0		c5	02		
2015/06/18	06:00:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0		c0			
		MDP_XRT_CTRL_AUTO		1	07-F0		c0			
2015/06/18	06:15:00.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0		c1			
		MDP_XRT_CTRL_MANU		1	07-F0		c1			
2015/06/18	06:15:02.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1			
		MDP_XRT_CTRL_MANU		1	07-F0		c1			
2015/06/18	06:15:04.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0		da			
		MDP_XRT_FLD_RESET		1	07-F0		da			
2015/06/18	06:15:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]		1	07-F0		e8			
		MDP_XRT_PREFLR_STRT		1	07-F0		e8			
2015/06/18	06:18:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0		e9			
		MDP_XRT_PREFLR_STOP		1	07-F0		e9			
2015/06/18	06:53:00.0	XRT_Custom_430_OG [0x1ae]		1	07-F0		c0			
2015/06/18	06:54:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		1	07-F0		c0			
		MDP_XRT_CTRL_AUTO		1	07-F0		c0			
2015/06/18	07:55:00.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0		c1			
		MDP_XRT_CTRL_MANU		1	07-F0		c1			
2015/06/18	07:55:02.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1			
		MDP_XRT_CTRL_MANU		1	07-F0		c1			
2015/06/18	07:55:04.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0		da			
		MDP_XRT_FLD_RESET		1	07-F0		da			
2015/06/18	07:55:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]		1	07-F0		e8			
		MDP_XRT_PREFLR_STRT		1	07-F0		e8			
2015/06/18	07:58:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0		e9			



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2015/06/18	08:31:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2015/06/18	08:32:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
2015/06/18	09:35:00.5	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2015/06/18	09:35:03.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2015/06/18	09:35:05.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2015/06/18	09:35:07.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da	
2015/06/18	09:38:15.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2015/06/18	10:10:00.0	AOCS_ORe-point_Start_2_OG [0x098]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
		AOCU_NM		5	02-76	00 00 00 00 00	