

XRT Timeline to be uploaded on 2016/02/23

Period: 2016/02/23 09:42:00 - 2016/02/27 10:26:00

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Normal mode

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XOB #1A1F: AR - Standard Core - (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 384x384 at 1064 1048, thin-Be, and Al/poly context, with

Term	Pointing (x, y)	Comment
02/23 09:55:00 - 02/23 11:29:54	Track (552.1, 148.8) @ 02/23 09:52:00	# OP start + 10min, AR12501 obs
02/23 13:33:00 - 02/23 17:54:30	Track (579.8, 146.4) @ 02/23 13:30:00	# AR12501 obs
02/23 18:31:00 - 02/24 00:23:30	Track (616.6, 142.9) @ 02/23 18:28:00	# Cont,

PROG= 10 Inf.-time(s)

- Subr= 1 1-time(s) 2.0sec
 - Seqn= 56 1-time(s) 2.0sec
 - Open/G-band Open/G-band open Safe Norm 3ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
 - Open/G-band Open/G-band close Safe Norm 3ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
 - Open/Ti-poly Open/thick-Al close Safe Dark 16.0s Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec
- Subr= 2 5-time(s) 2.0sec
 - Seqn= 75 1-time(s) 2.0sec
 - Al-poly/Open thin-Be/Open close Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 2 0 2.0sec
 - Al-poly/Open thin-Be/Open close Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
 - thin-Be/Open med-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 2 0 2.0sec
 - thin-Be/Open med-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
 - Seqn= 96 4-time(s) 60.0sec
 - Al-poly/Open thin-Be/Open close Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 1 0 2.0sec
 - thin-Be/Open med-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 1 0 15.0sec
 - Al-poly/Open thin-Be/Open close Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 1 1 2.0sec
 - thin-Be/Open med-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 1 1 15.0sec
 - Al-poly/Open thin-Be/Open close Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 1 2 2.0sec
 - thin-Be/Open med-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 1 2 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval
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XOB #1A13: CME watch - 4x4 - AEC 2/3 - Be-thin (Be-Med) - Long/Short Pairs - 120s cad

Term	Pointing (x, y)	Comment
02/23 11:33:00 - 02/23 13:29:54	Fixed (-16.0, -976.0)	# HOP249 limb spicule at S-pole
02/24 11:28:00 - 02/24 13:24:54	Fixed (-16.0, -976.0)	# HOP249 limb spicule at S-pole

PROG= 14 Inf.-time(s)

- Subr= 1 30-time(s) 120.0sec
 - Seqn= 12 1-time(s) 4.0sec
 - thin-Be/Open med-Be/Open close Safe Norm 1.41s Obs 4x4 2048x2048 (1024, 1024) Q=98 2 0 2.0sec
 - thin-Be/Open med-Be/Open close Safe Norm 1.00s Obs 4x4 2048x2048 (1024, 1024) Q=98 3 0 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval
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XOB #1B15: Synoptic 7 Filter w/ Al-mesh(24/256/2897), Al-poly(45/512/4096), Thin-Be(181/2048/11571) - Thick-Be(65536), Al-poly+Ti-poly(512/4096), Med-Al

Term	Pointing (x, y)	Comment
02/23 18:21:00 - 02/23 18:27:54	Fixed (0.0, 0.0)	synoptic, shifted 18.0 min

PROG= 08 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= 1 1-time(s) 2.0sec
 - Open/Al-mesh Open/Al-mesh close Safe Norm 24ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
 - Open/Al-mesh Open/Al-mesh close Safe Norm 250ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
 - Open/Al-mesh Open/Al-mesh close Safe Norm 2.83s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
 - Seqn= 99 1-time(s) 2.0sec
 - Al-poly/Open Al-poly/Open close Safe Norm 44ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
 - Al-poly/Open Al-poly/Open close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
 - Al-poly/Open Al-poly/thick-Al close Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
 - Seqn= 67 1-time(s) 2.0sec
 - thin-Be/Open thin-Be/Open close Safe Norm 177ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
 - thin-Be/Open thin-Be/Open close Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
 - thin-Be/Open thin-Be/Open close Safe Norm 11.3s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
 - Seqn= 54 1-time(s) 4.0sec
 - Open/G-band Open/G-band open Safe Norm 3ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec
 - Open/G-band Open/G-band close Safe Norm 3ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
- Subr= 2 1-time(s) 2.0sec
 - Seqn= 46 2-time(s) 2.0sec
 - Open/thick-Be Open/thick-Be close Safe Norm 64.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
 - Seqn= 4 2-time(s) 2.0sec
 - Al-poly/Ti-poly Al-poly/thick-Al close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
 - Al-poly/Ti-poly Al-poly/thick-Al close Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
 - Seqn= 71 2-time(s) 2.0sec
 - med-Al/Open med-Al/Open close Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
 - med-Al/Open med-Al/Open close Safe Norm 32.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval
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XOB #1B02: AR - Standard Core - (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 384x384 at 1064 1048, thin-Be, and Al/poly context, with

Term	Pointing (x, y)	Comment
02/24 00:33:00 - 02/24 03:22:00	Track (625.4, 175.4) ^{Ⓢ 02/24 00:30:00}	# HOP243 plage near disk center
02/24 03:44:00 - 02/24 06:02:54	Track (679.7, 135.9) ^{Ⓢ 02/24 03:30:00}	# Cont,
02/24 06:16:00 - 02/24 11:24:54	Track (697.6, 133.7) ^{Ⓢ 02/24 06:13:00}	# Cont,
02/24 13:28:00 - 02/24 17:59:54	Track (742.8, 127.5) ^{Ⓢ 02/24 13:25:00}	# AR12501 obs
02/24 18:13:00 - 02/24 23:21:30	Track (770.6, 123.2) ^{Ⓢ 02/24 18:10:00}	# Cont,
02/24 23:37:00 - 02/25 02:20:30	Track (772.8, 156.1) ^{Ⓢ 02/24 23:30:00}	# HOP243 plage near disk center
02/25 02:42:00 - 02/25 06:05:24	Track (815.4, 115.2) ^{Ⓢ 02/25 02:30:00}	# AR12501 obs
02/25 06:18:30 - 02/25 08:00:00	Track (833.9, 111.5) ^{Ⓢ 02/25 06:15:30}	# Cont,

PROG= 11 Inf.-time(s)

Subr= 1	1-time(s)	2.0sec											
Seqn= 56	1-time(s)	2.0sec											
Open/G-band	Open/G-band	open	Safe	Norm	3ms	Obs	1x1	384x384	(1064, 1048)	DPCM	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	3ms	Obs	1x1	384x384	(1064, 1048)	DPCM	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384	(1064, 1048)	Q=98	0	0	2.0sec
Subr= 2	5-time(s)	2.0sec											
Seqn= 75	1-time(s)	2.0sec											
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384	(1064, 1048)	Q=95	2	0	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384	(1064, 1048)	Q=95	3	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	2	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	3	0	2.0sec
Seqn= 79	4-time(s)	120.0sec											
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384	(1064, 1048)	Q=95	1	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	1	0	34.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384	(1064, 1048)	Q=95	1	1	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	1	1	34.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384	(1064, 1048)	Q=95	1	2	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	1	2	2.0sec

XOB #1B14: Synoptic Q95 2x2 - Al/mesh(24/256/2897) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(45/512/4096) + TI

Term	Pointing (x, y)	Comment
02/24 06:06:00 - 02/24 06:12:54	Fixed (0.0, 0.0)	synoptic, shifted 3.0 min
02/24 18:03:00 - 02/24 18:09:54	Fixed (0.0, 0.0)	synoptic
02/25 06:08:30 - 02/25 06:15:24	Fixed (0.0, 0.0)	synoptic, shifted 5.5 min

PROG= 17 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= 1	1-time(s)	2.0sec											
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	24ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.83s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Seqn= 99	1-time(s)	2.0sec											
Al-poly/Open	Al-poly/Open	close	Safe	Norm	44ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Seqn= 67	1-time(s)	2.0sec											
thin-Be/Open	thin-Be/Open	close	Safe	Norm	177ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	2.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	11.3s	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

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Flare mode

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XOB #1AE7: Flare - multifilter 26 sec cadence (Be/thin, Be/med, Al/thick), AEC 3(thin-Be AEC2), 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512

Term	Pointing (x, y)	Comment
02/23 09:55:00 - 02/23 11:29:54	Track (552.1, 148.8) ^{Ⓢ 02/23 09:52:00}	# OP start + 10min, AR12501 obs
02/23 11:33:00 - 02/23 13:29:54	Fixed (-16.0, -976.0)	# HOP249 limb spicule at S-pole
02/23 13:33:00 - 02/23 17:54:30	Track (579.8, 146.4) ^{Ⓢ 02/23 13:30:00}	# AR12501 obs
02/23 18:31:00 - 02/24 00:23:30	Track (616.6, 142.9) ^{Ⓢ 02/23 18:28:00}	# Cont,
02/24 00:33:00 - 02/24 03:22:00	Track (625.4, 175.4) ^{Ⓢ 02/24 00:30:00}	# HOP243 plage near disk center
02/24 03:44:00 - 02/24 06:02:54	Track (679.7, 135.9) ^{Ⓢ 02/24 03:30:00}	# Cont,
02/24 06:16:00 - 02/24 11:24:54	Track (697.6, 133.7) ^{Ⓢ 02/24 06:13:00}	# Cont,
02/24 11:28:00 - 02/24 13:24:54	Fixed (-16.0, -976.0)	# HOP249 limb spicule at S-pole
02/24 13:28:00 - 02/24 17:59:54	Track (742.8, 127.5) ^{Ⓢ 02/24 13:25:00}	# AR12501 obs
02/24 18:13:00 - 02/24 23:21:30	Track (770.6, 123.2) ^{Ⓢ 02/24 18:10:00}	# Cont,

02/24 23:37:00 - 02/25 02:20:30 Track (772.8, 156.1) [Ⓢ] 02/24 23:30:00 # HOP243 plage near disk center
 02/25 02:42:00 - 02/25 06:05:24 Track (815.4, 115.2) [Ⓢ] 02/25 02:30:00 # AR12501 obs
 02/25 06:18:30 - 02/25 08:00:00 Track (833.9, 111.5) [Ⓢ] 02/25 06:15:30 # Cont,

PROG= 07 30-time(s)													
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= 84 1-time(s) 2.0sec													
Open/G-band	Open/G-band	open	Safe	Norm	3ms	Obs	1x1	384x384	(1024, 1024)	Q=98	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	3ms	Obs	1x1	384x384	(1024, 1024)	Q=98	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384	(1024, 1024)	Q=98	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	2x2	512x512	(1024, 1024)	Q=98	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)		Comp.	AEC Buffer	Interval	

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Active Region Search

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NOT USED

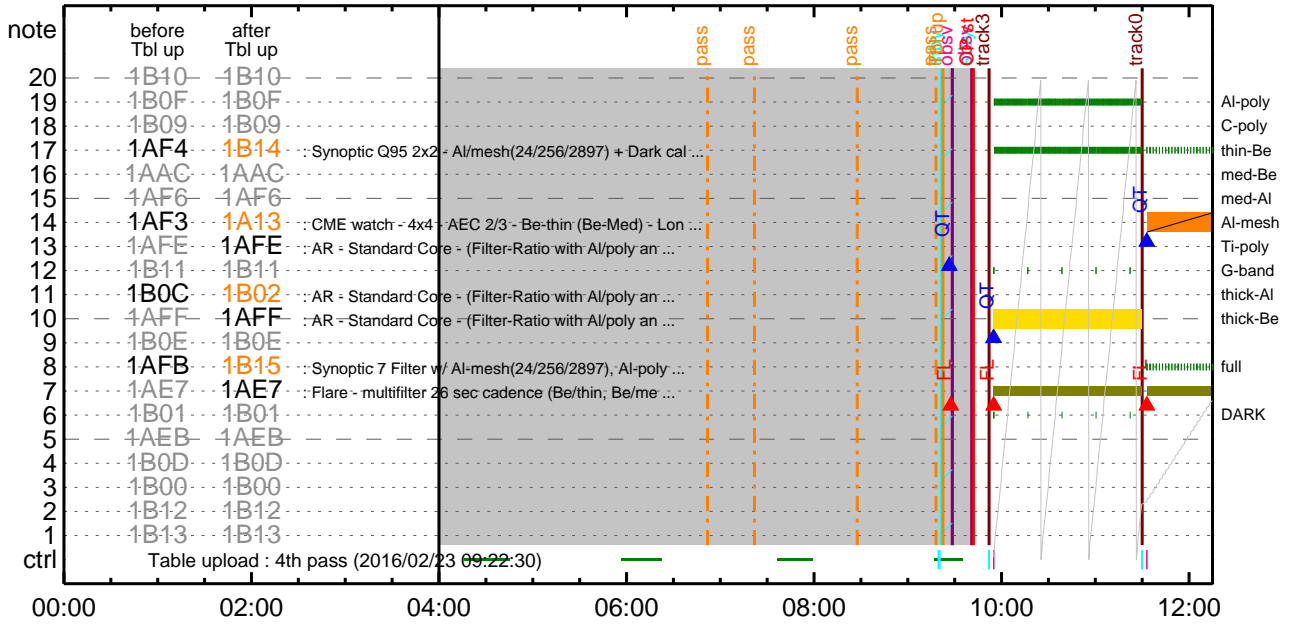
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Flare Detection

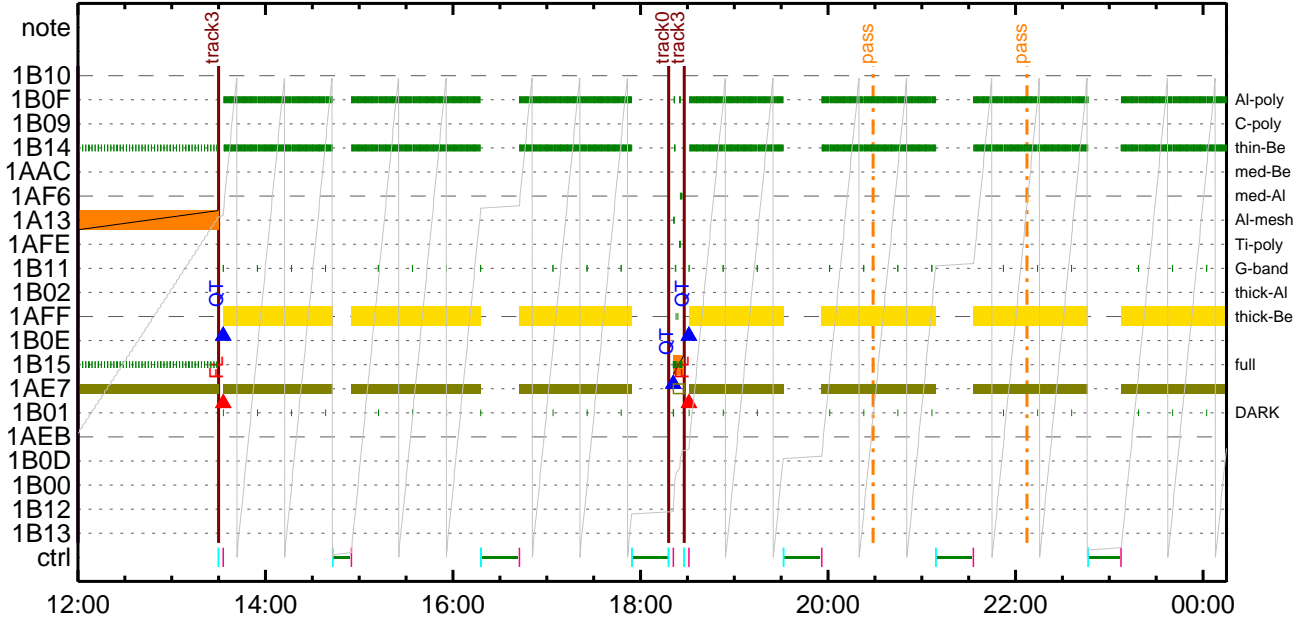
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FLD Patrol												
Term		Pointing (x, y)						Comment				
02/23 18:28:18 - 02/24 06:03:18		Track (616.6, 142.9) [Ⓢ] 02/23 18:28:00						# Cont,				
02/24 06:13:18 - 02/24 18:00:18		Track (697.6, 133.7) [Ⓢ] 02/24 06:13:00						# Cont,				
02/24 18:10:18 - 02/25 06:05:48		Track (770.6, 123.2) [Ⓢ] 02/24 18:10:00						# Cont,				
02/25 06:15:48 - 02/27 10:26:00		Track (833.9, 111.5) [Ⓢ] 02/25 06:15:30						# Cont,				
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

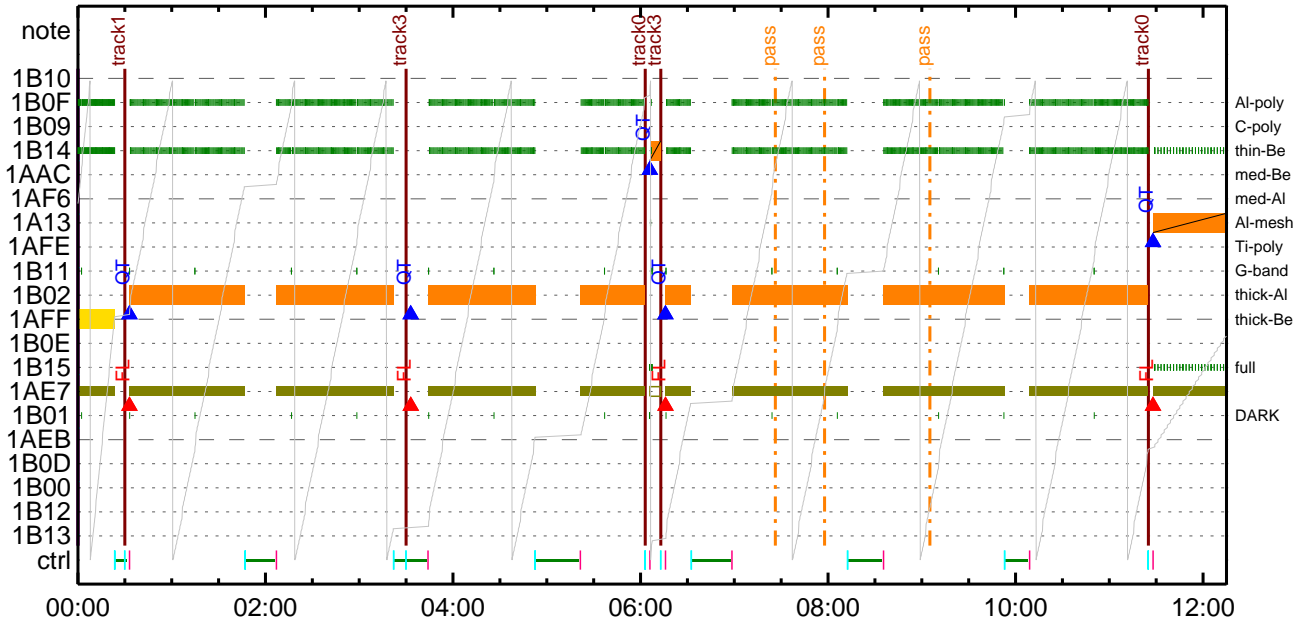
CMDI #0723 2016/02/23



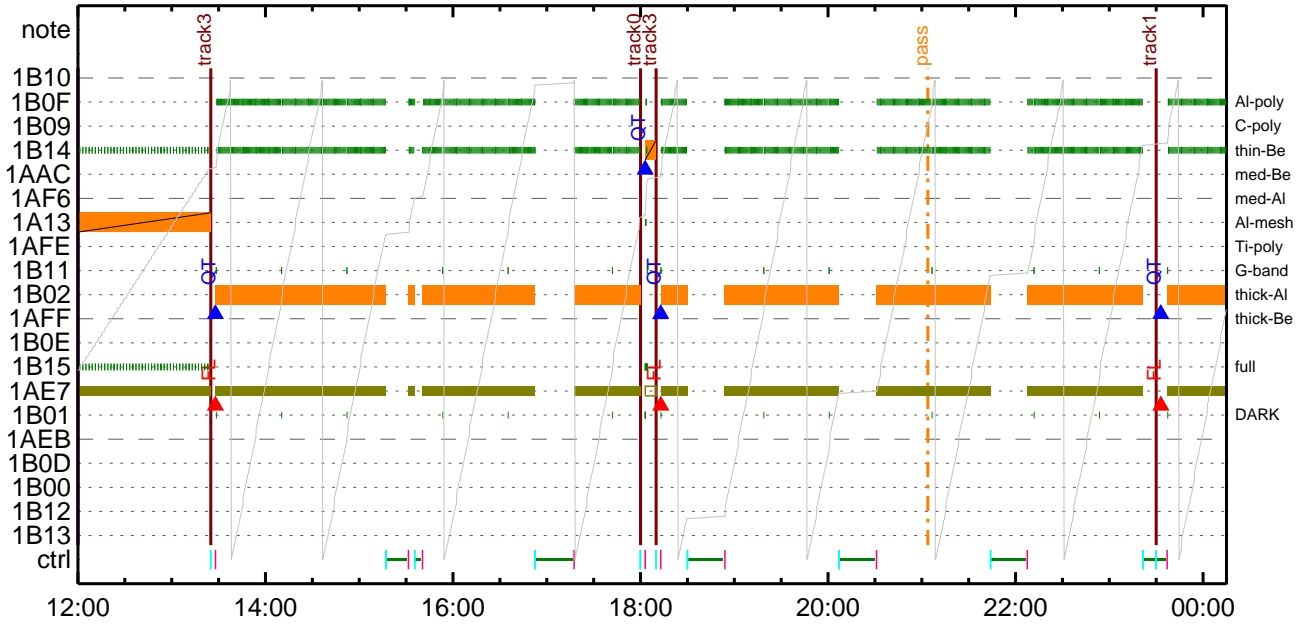
CMDI #0723 2016/02/23



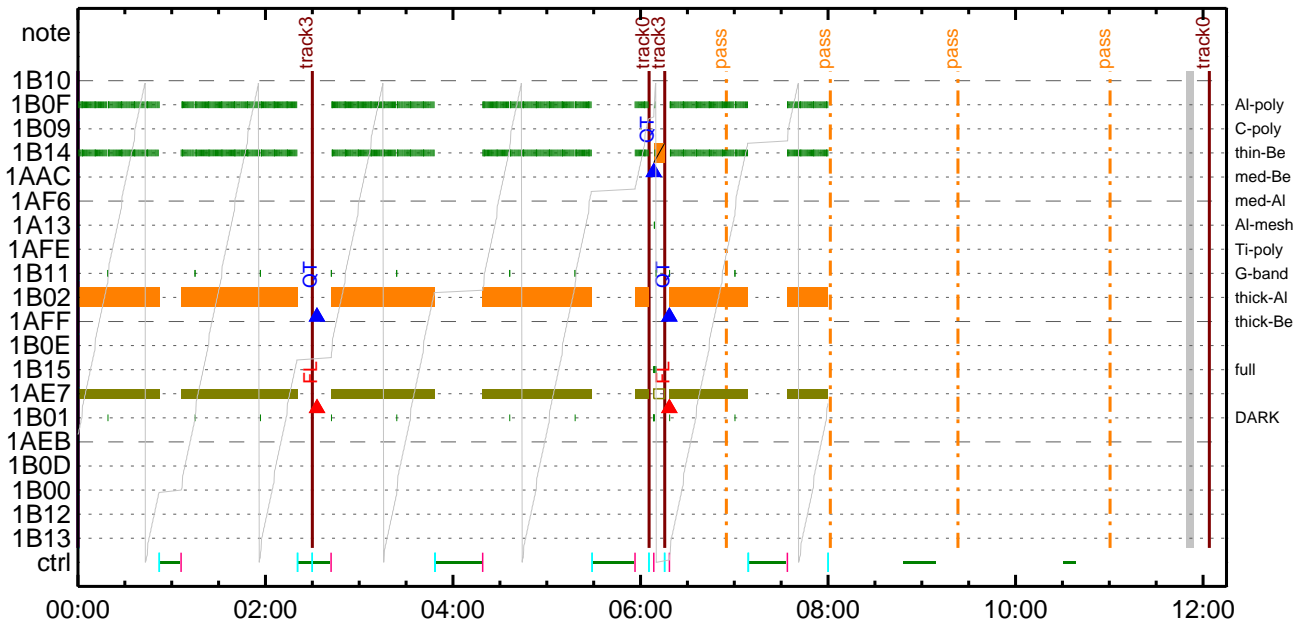
CMDI #0723 2016/02/24



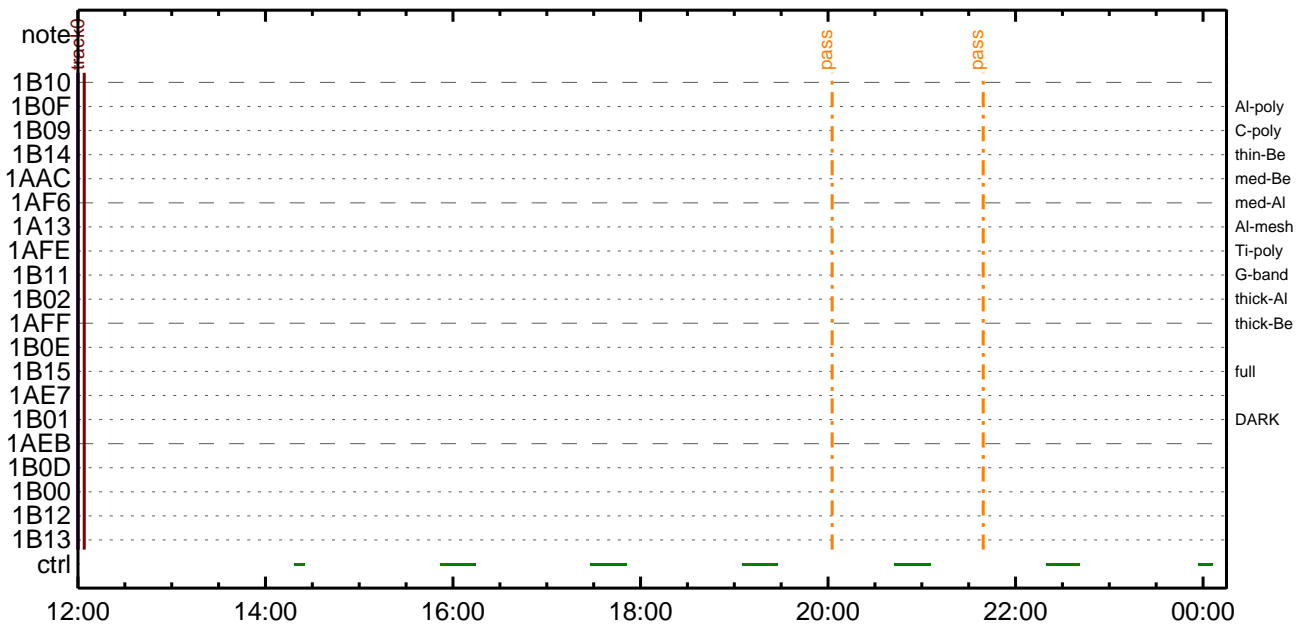
CMDI #0723 2016/02/24



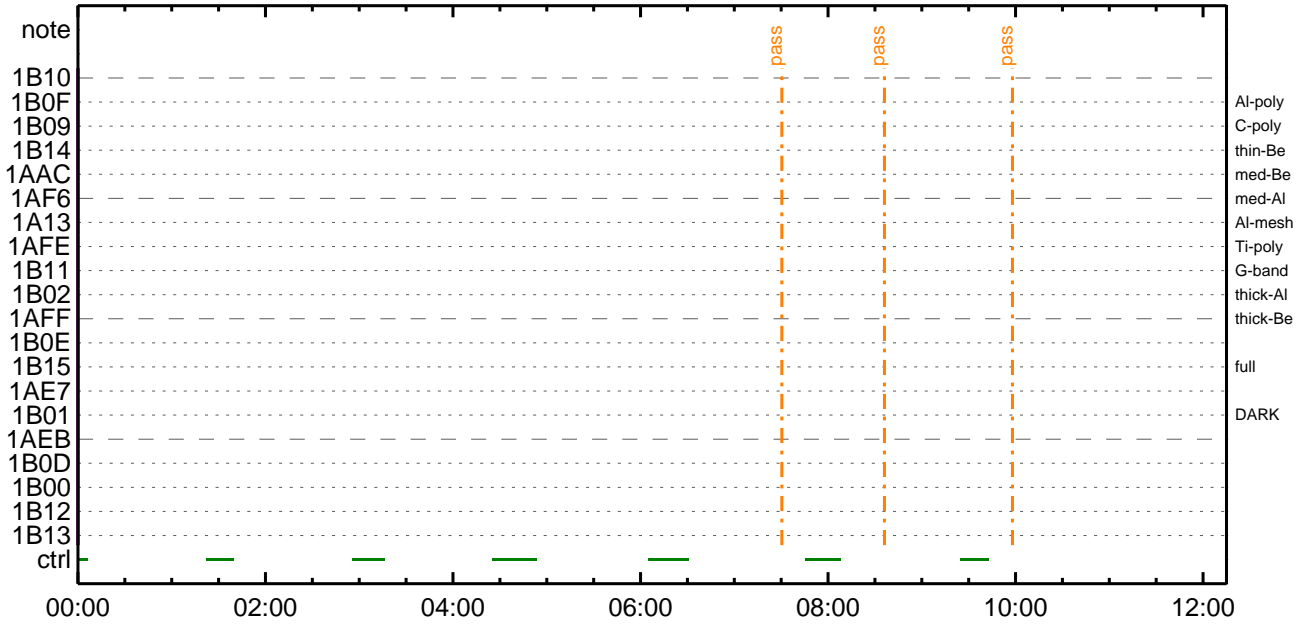
CMDI #0723 2016/02/25



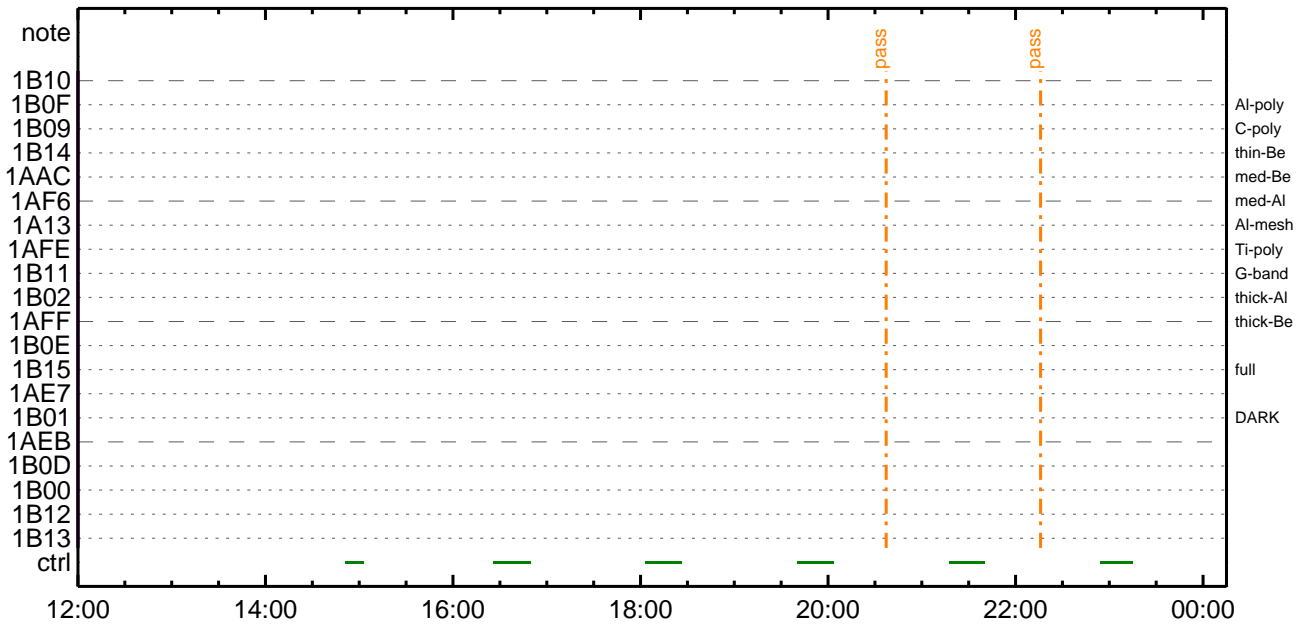
CMDI #0723 2016/02/25



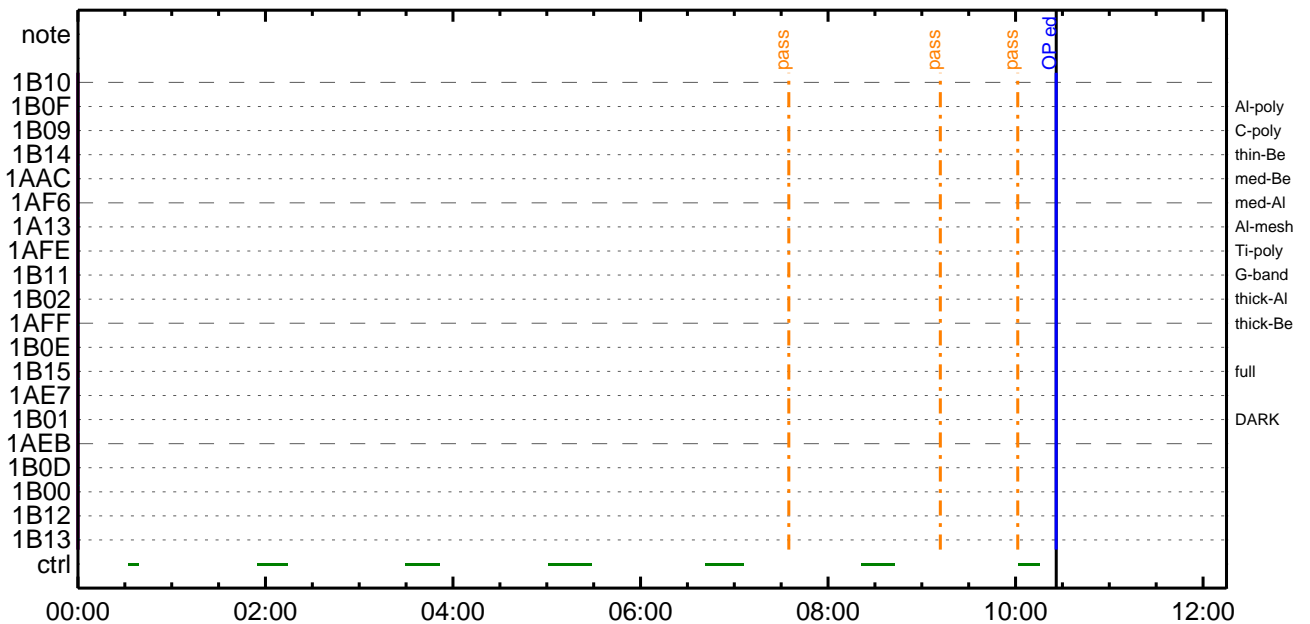
CMDI #0723 2016/02/26

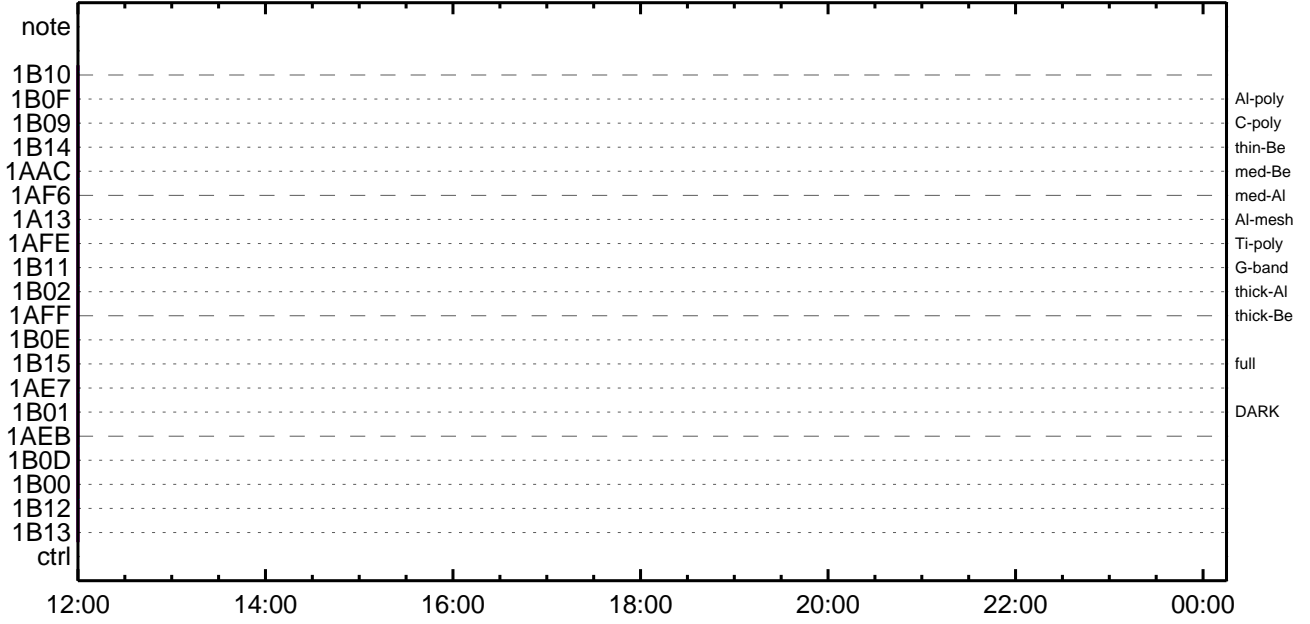


CMDI #0723 2016/02/26



CMDI #0723 2016/02/27





(a) Spacecraft Operation Procedure (real-commands)

```
main-680 2016-02-23 17:43:52 29 33 SOLAR-B MAIN //  
0001 C.  
0002 . C. ***** AOS *****  
0003 C.  
0004 . C. ;ãAOSYÁY$YÁY~¼Á»Û;ä  
0005 C.  
0006 C. YÀYB;¼Y³YFYOYÉÁ+¿®  
0007 +. DC 00-00 NULL_DUMMY_CMD  
0008 C.  
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****  
0010 C. Áí;È¿½Áð•µ°Æ»Í×ÁÇçÍYçYÁY×Yí;¼YÉ;ÈÈè¼µ•ííÉ;ÈÈÈ¼°ÇÔð•¿¼i¹ç¿Í;çÀ®, ùñ¹ðèððçÁ+¿®ð•ðÈððð³ðÈ;f  
0011 +. DC 02-8E AOCU_ORB_UPD  
0012 C.  
0013 C.  
0014 C.  
0015 . C. ***** MDP `úÁíñí»ö¼YðÈÁðð¹ðèDCBC•x²è *****  
0016 C. (¼á°íYÓYÁYÈYB¥ÈYáYçYèðÈ¼¼¼¼Á»Û¹ðè)  
0017 . S. DC-BC dcbc-402:DCBC  
0018 (MDP_known_event)  
0019 C.  
0020 C.  
0021 . C. ***** YD¥¹•İ Daily+¿İÑðÈ´Øð¹ðèDCBC•x²è *****  
0022 . S. DC-BC dcbc-153:DCBC  
0023 (SPECIAL-CMD_DAILY_OPERATIN_DCB)  
0024 C.  
0025 C.  
0026 . C. ;ãLOSÁY$YÁY~¼Á»Û;ä  
0027 C.  
0028 . C. ***** LOS *****  
0029 C.
```



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0096 C.                0303;çSET0EDUMP0IÆ±°iYÑY¹0Ç¹00|0³0E;E
0097 C.
0098 . C. TIY³YF¥6YÉ00ðÄDİ¿(UT)
0099 +. TI 2016-02-23 09:37:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0102 C.
0103 +. TI 2016-02-23 09:37:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0106 C.
0107 +. TI 2016-02-23 09:37:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0110 C.
0111 +. TI 2016-02-23 09:41:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0114 C.
0115 C.                °E²¼0IÄê%îÍñ0IYÁ¥§YÄY-¹àìÜ
0116 C.                çç[HK1_TI_CMD_ENA/DIS]            EQ        ENA
0117 C.                çç[HK1_TI_CMD_NUM]              EQ        4
0118 C.                çç[HK1_NEXT_EXEC_PIM]            EQ        DHU
0119 C.                çç[HK1_NEXT_EXEC_DC]            EQ        0xB3
0120 C.
0121 . C. *****
0122 C. TIÍî°èYÄYÓY×
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC                (03 ab 03 01 02)
0128 C.                çç[HK1_DMP_TOP_ADRS_1]            EQ        07
0129 C.                çç[HK1_DMP_TOP_ADRS_0]            EQ        2B
0130 C.                çç[HK1_DMP_BLOCK_NUM]            EQ        3
0131 C.                çç[HK1_DMP_REPEAT_NUM]           EQ        0
0132 C.                çç[HK1_DMA_DMP_PIM]             EQ        DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC                (07 0b f8)
0135 C.                çç[HK1_PKT_FORM_NO]              EQ        7
0136 C.                çç[HK1_PKT_GEN_TIME]             EQ        0.25 s
0137 C.                çç[HK1_S_TLM_BIT_RATE]           EQ        32k
0138 C.                çç[HK1_X_TLM_BIT_RATE]          EQ        4M
0139 C.                çç[HK1_DMP_CHK_FLG]             EQ        EXEC
0140 C.
0141 . C. YÄYÓY×¼²¹I»0ð³IÇ§
0142 C.                çç[HK1_DMP_CHK_FLG]             EQ        NON
0143 C.
0144 . C. RAM ID=TI_TBL0I¼E¹Ç•è²IOK0ð³IÇ§
0145 C.
0146 . C. DHUYâ;¼YÉ;Ê¼Y¼,¥î;¼YÈ;Ë0ðIá0¹
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC                (02 0a f8)
0149 C.                çç[HK1_PKT_FORM_NO]              EQ        2
0150 C.                çç[HK1_PKT_GEN_TIME]             EQ        0.5S
0151 C.                çç[HK1_S_TLM_BIT_RATE]           EQ        32K
0152 C.                çç[HK1_X_TLM_BIT_RATE]          EQ        4M
0153 C.
0154 C.
0155 C. ***** XRT START *****
0156 C. Execute, after the success of OP upload.
0157 +. TI 2016-02-23 09:41:00.0
0158 DC 07-F0 MDP_XRT_MODE_STBY
0159 BC                (c3)
0160 . C.                [ ] [HK1_TI_CMD_NUM]            EQ        1COUNTUP
0161 C.
0162 C. ***** XRT END *****
0163 C.
0164 . C. ***** MDP ´úÄî0I»ð¼Y0EÄ0¹0èDCBC•x²è *****
0165 C. (¼á°IYÓYÄYÉY¥YÉYáYçYè0E¼00¼Ä»Ü0¹0é)
0166 . S. DC-BC dcbc-402:DCBC
0167 (MDP_known_event)
0168 C.
0169 C.
0170 . C. ***** YD¥¹•İ Daily±¿Iñ0E´00¹0èDCBC•x²è *****
0171 . S. DC-BC dcbc-153:DCBC
0172 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0173 C.
0174 C.
0175 . C. ;äLOS¥Á¥§YÄY-¼Ä»Ü;ä
0176 C.
0177 . C. ***** LOS *****
0178 C.

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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 = 3286294.5 +- 1.0 (s) [ ]
0136 C.
0137 . C.
0138 C.
0139 . C. ***** MDP `uAÎnî»ô%YnÊÂDn¹nèDCBC•x²è *****
0140 C. (%â°îYôYÄYËYFYYËYâYçYènE%¼n¼A»Ün¹nè)
0141 . S. DC-BC dcbc-402:DCBC
0142 (MDP_known_event)
0143 C.
0144 C.
0145 . C. ***** YDÿ¹.Ï Daily±;îÑnÊ´Øn¹nèDCBC•x²è *****
0146 . S. DC-BC dcbc-153:DCBC
0147 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0148 C.
0149 C.
0150 . C. ;ãLOSÿÁÿSÿYÄÿ¼A»Ü;ã
0151 C.
0152 . C. ***** LOS *****
0153 C.

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0096 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0097 BC (c4 0d)
0098 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0099 BC (c5 07)
0100 . C. ----- Success Verify ? OK / NG ____
0101 C.
0102 C.
0103 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0104 C.
0105 +. DC 07-F0 MDP_XRT_MODE_OBSV
0106 BC (c2)
0107 +. TI 2016-02-23 09:41:02.0
0108 DC 07-F0 MDP_XRT_MODE_OBSV
0109 BC (c2)
0110 . C. ----- Success Verify ? OK / NG ____
0111 C.
0112 C. ***** XRT END *****
0113 C.
0114 . C. ***** MDP `úÃîñî»ò¼ŸñÊÂñ¹ñèDCBC•x²è *****
0115 C. (¼á°îŸÓŸÃŸÈŸŸŸËŸáŸçŸèñÊ¼ñ¼Â»Ûñ¹ñè)
0116 . S. DC-BC dcbc-402:DCBC
0117 (MDP_known_event)
0118 C.
0119 C.
0120 . C. ***** ŸDŸ¹•İ Daily±¿İÑñÊ´Øñ¹ñèDCBC•x²è *****
0121 . S. DC-BC dcbc-153:DCBC
0122 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0123 C.
0124 C.
0125 . C. ¡ãLOSŸÁŸŸŸÃŸ-¼Â»Û¿ä
0126 C.
0127 . C. ***** LOS *****
0128 C.
```

*** OP Sequence for XRT ***

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2016/02/23 09:51:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2016/02/23 09:51:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2016/02/23 09:51:58.0 XRT_FOCUS_POSITION_410_OG [0x19a]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2016/02/23 09:52:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 03 00 00 00 00
2016/02/23 09:52:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2016/02/23 09:52:20.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2016/02/23 09:52:22.0 XRT_AEC_RESET_448_OG [0x1c0]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2016/02/23 09:52:24.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2016/02/23 09:52:26.0 XRT_FLD_RESET_433_OG [0x1b1]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2016/02/23 09:54:56.0 XRT_QT_PROG_SET_418_OG [0x1a2]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 0a
2016/02/23 09:54:58.0 XRT_FL_PROG_SET_436_OG [0x1b4]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 07
2016/02/23 09:55:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2016/02/23 11:29:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2016/02/23 11:29:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2016/02/23 11:29:58.0 XRT_FOCUS_POSITION_403_OG [0x193]
                        XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00
2016/02/23 11:30:00.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM 5 02-76 00 56 c0 01 68
2016/02/23 11:30:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2016/02/23 11:30:20.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2016/02/23 11:30:22.0 XRT_AEC_RESET_407_OG [0x197]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2016/02/23 11:30:24.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2016/02/23 11:30:26.0 XRT_FLD_RESET_414_OG [0x19e]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2016/02/23 11:32:56.0 XRT_QT_PROG_SET_438_OG [0x1b6]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 0e
2016/02/23 11:32:58.0 XRT_FL_PROG_SET_436_OG [0x1b4]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 07
2016/02/23 11:33:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2016/02/23 13:29:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2016/02/23 13:29:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2016/02/23 13:29:58.0 XRT_FOCUS_POSITION_410_OG [0x19a]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2016/02/23 13:30:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 03 00 00 00 00
2016/02/23 13:30:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2016/02/23 13:30:20.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2016/02/23 13:30:22.0 XRT_AEC_RESET_448_OG [0x1c0]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2016/02/23 13:30:24.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2016/02/23 13:30:26.0 XRT_FLD_RESET_433_OG [0x1b1]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2016/02/23 13:32:56.0 XRT_QT_PROG_SET_418_OG [0x1a2]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 0a
2016/02/23 13:32:58.0 XRT_FL_PROG_SET_436_OG [0x1b4]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 07
2016/02/23 13:33:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2016/02/23 14:43:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2016/02/23 14:43:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2016/02/23 14:43:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2016/02/23 14:43:06.0 XRT_PREFLR_STRT_432_OG [0x1b0]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2016/02/23 14:46:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2016/02/23 14:54:00.0 XRT_Custom_430_OG [0x1ae]
2016/02/23 14:55:00.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2016/02/23 16:18:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2016/02/23 16:18:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2016/02/23 16:18:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da

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2016/02/23	16:18:06.0	XRT_PREFLR_STRT_432_OG [0x1b0]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/02/23	16:21:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/02/23	16:41:30.0	XRT_Custom_430_OG [0x1ae]					
2016/02/23	16:42:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/02/23	17:54:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/23	17:54:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/23	17:54:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/02/23	17:54:36.0	XRT_PREFLR_STRT_432_OG [0x1b0]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/02/23	17:57:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/02/23	18:17:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/23	18:17:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/23	18:17:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2016/02/23	18:18:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00	
2016/02/23	18:18:18.0	XRT_FLD_DIS_406_OG [0x196]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2016/02/23	18:20:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2016/02/23	18:20:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2016/02/23	18:20:58.0	XRT_QT_PROG_SET_431_OG [0x1af]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08	
2016/02/23	18:21:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/02/23	18:27:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/23	18:27:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/23	18:27:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2016/02/23	18:28:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	03 00 00 00 00	
2016/02/23	18:28:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2016/02/23	18:28:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2016/02/23	18:28:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2016/02/23	18:28:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2016/02/23	18:28:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/02/23	18:30:56.0	XRT_QT_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a	
2016/02/23	18:30:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07	
2016/02/23	18:31:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/02/23	19:31:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/23	19:31:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/23	19:31:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/02/23	19:31:36.0	XRT_PREFLR_STRT_432_OG [0x1b0]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/02/23	19:34:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/02/23	19:55:00.0	XRT_Custom_430_OG [0x1ae]					
2016/02/23	19:56:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/02/23	21:09:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/23	21:09:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/23	21:09:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/02/23	21:09:06.0	XRT_PREFLR_STRT_432_OG [0x1b0]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/02/23	21:12:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/02/23	21:32:00.0	XRT_Custom_430_OG [0x1ae]					
2016/02/23	21:33:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/02/23	22:46:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/23	22:46:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/23	22:46:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/02/23	22:46:36.0	XRT_PREFLR_STRT_432_OG [0x1b0]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	

2016/02/23	22:49:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/02/23	23:06:30.0	XRT_Custom_430_OG [0x1ae]							
2016/02/23	23:07:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/02/24	00:23:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	00:23:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	00:23:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/02/24	00:23:36.0	XRT_PREFLR_STRT_432_OG [0x1b0]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/02/24	00:26:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/02/24	00:29:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	00:29:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	00:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2016/02/24	00:30:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2016/02/24	00:30:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2016/02/24	00:30:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2016/02/24	00:30:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2016/02/24	00:30:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/02/24	00:30:26.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/02/24	00:32:56.0	XRT_QT_PROG_SET_417_OG [0x1a1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b				
2016/02/24	00:32:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2016/02/24	00:33:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/02/24	01:47:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	01:47:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	01:47:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/02/24	01:47:06.0	XRT_PREFLR_STRT_432_OG [0x1b0]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/02/24	01:50:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/02/24	02:06:00.5	XRT_Custom_430_OG [0x1ae]							
2016/02/24	02:07:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/02/24	03:22:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	03:22:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	03:22:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/02/24	03:22:06.0	XRT_PREFLR_STRT_432_OG [0x1b0]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/02/24	03:25:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/02/24	03:29:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	03:29:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	03:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2016/02/24	03:30:00.5	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	03 00 00 00 00				
2016/02/24	03:30:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2016/02/24	03:30:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2016/02/24	03:30:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2016/02/24	03:30:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/02/24	03:30:26.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/02/24	03:32:56.0	XRT_QT_PROG_SET_417_OG [0x1a1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b				
2016/02/24	03:32:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2016/02/24	03:43:00.0	XRT_Custom_430_OG [0x1ae]							
2016/02/24	03:44:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/02/24	04:52:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	04:52:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	04:52:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				

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2016/02/24	04:52:36.0	XRT_PREFLR_STRT_432_OG [0x1b0]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/02/24	04:55:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/02/24	05:20:30.0	XRT_Custom_430_OG [0x1ae]							
2016/02/24	05:21:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/02/24	06:02:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	06:02:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	06:02:58.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2016/02/24	06:03:00.0	AOCS_OrE-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2016/02/24	06:03:18.0	XRT_FLD_DIS_406_OG [0x196]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2016/02/24	06:05:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2016/02/24	06:05:56.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/02/24	06:05:58.0	XRT_QT_PROG_SET_439_OG [0x1b7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11				
2016/02/24	06:06:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/02/24	06:12:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	06:12:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	06:12:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2016/02/24	06:13:00.0	AOCS_OrE-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	03 00 00 00 00				
2016/02/24	06:13:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2016/02/24	06:13:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2016/02/24	06:13:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2016/02/24	06:13:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/02/24	06:13:26.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/02/24	06:15:56.0	XRT_QT_PROG_SET_417_OG [0x1a1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b				
2016/02/24	06:15:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2016/02/24	06:16:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/02/24	06:32:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	06:32:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	06:32:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/02/24	06:32:36.0	XRT_PREFLR_STRT_432_OG [0x1b0]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/02/24	06:35:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/02/24	06:57:30.0	XRT_Custom_430_OG [0x1ae]							
2016/02/24	06:58:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/02/24	08:12:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	08:12:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	08:12:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/02/24	08:12:36.0	XRT_PREFLR_STRT_432_OG [0x1b0]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/02/24	08:15:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/02/24	08:34:30.0	XRT_Custom_430_OG [0x1ae]							
2016/02/24	08:35:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/02/24	09:53:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	09:53:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	09:53:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/02/24	09:53:06.0	XRT_PREFLR_STRT_432_OG [0x1b0]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/02/24	09:56:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/02/24	10:08:00.0	XRT_Custom_430_OG [0x1ae]							
2016/02/24	10:09:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/02/24	11:24:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	11:24:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/24	11:24:58.0	XRT_FOCUS_POSITION_403_OG [0x193]							

2016/02/24	11:25:00.0	AOCS_OrE-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
		AOCU_NM		5	02-76	00	56	c0	01 68
2016/02/24	11:25:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2016/02/24	11:25:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2016/02/24	11:25:22.0	XRT_AEC_RESET_407_OG [0x197]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2016/02/24	11:25:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2016/02/24	11:25:26.0	XRT_FLD_RESET_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da			
2016/02/24	11:27:56.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0e		
2016/02/24	11:27:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07		
2016/02/24	11:28:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2016/02/24	13:24:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/02/24	13:24:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/02/24	13:24:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2016/02/24	13:25:00.0	AOCS_OrE-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	03	00	00	00 00
2016/02/24	13:25:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2016/02/24	13:25:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2016/02/24	13:25:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2016/02/24	13:25:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2016/02/24	13:25:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da			
2016/02/24	13:27:56.0	XRT_QT_PROG_SET_417_OG [0x1a1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b		
2016/02/24	13:27:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07		
2016/02/24	13:28:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2016/02/24	15:17:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/02/24	15:17:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/02/24	15:17:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2016/02/24	15:17:06.0	XRT_PREFLR_STRT_432_OG [0x1b0]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2016/02/24	15:20:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2016/02/24	15:30:30.0	XRT_Custom_430_OG [0x1ae]							
2016/02/24	15:31:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2016/02/24	15:35:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/02/24	15:35:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/02/24	15:35:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2016/02/24	15:35:36.0	XRT_PREFLR_STRT_432_OG [0x1b0]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2016/02/24	15:38:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2016/02/24	15:39:30.0	XRT_Custom_430_OG [0x1ae]							
2016/02/24	15:40:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2016/02/24	16:52:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/02/24	16:52:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/02/24	16:52:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2016/02/24	16:52:36.0	XRT_PREFLR_STRT_432_OG [0x1b0]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2016/02/24	16:55:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2016/02/24	17:16:30.0	XRT_Custom_430_OG [0x1ae]							
2016/02/24	17:17:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2016/02/24	17:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/02/24	17:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/02/24	17:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2016/02/24	18:00:00.0	AOCS_OrE-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00	00	00	00 00
2016/02/24	18:00:18.0	XRT_FLD_DIS_406_OG [0x196]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2016/02/24	18:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]							

2016/02/24	18:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2016/02/24	18:02:58.0	XRT_QT_PROG_SET_439_OG [0x1b7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11
2016/02/24	18:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/02/24	18:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/24	18:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/24	18:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2016/02/24	18:10:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	03	00 00 00 00
2016/02/24	18:10:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2016/02/24	18:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2016/02/24	18:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2016/02/24	18:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2016/02/24	18:10:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/02/24	18:12:56.0	XRT_QT_PROG_SET_417_OG [0x1a1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
2016/02/24	18:12:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07
2016/02/24	18:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/02/24	18:30:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/24	18:30:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/24	18:30:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/02/24	18:30:06.0	XRT_PREFLR_STRT_432_OG [0x1b0]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/02/24	18:33:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/02/24	18:53:00.0	XRT_Custom_430_OG [0x1ae]					
2016/02/24	18:54:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/02/24	20:07:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/24	20:07:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/24	20:07:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/02/24	20:07:06.0	XRT_PREFLR_STRT_432_OG [0x1b0]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/02/24	20:10:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/02/24	20:30:00.0	XRT_Custom_430_OG [0x1ae]					
2016/02/24	20:31:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/02/24	21:44:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/24	21:44:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/24	21:44:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/02/24	21:44:06.0	XRT_PREFLR_STRT_432_OG [0x1b0]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/02/24	21:47:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/02/24	22:06:30.0	XRT_Custom_430_OG [0x1ae]					
2016/02/24	22:07:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/02/24	23:21:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/24	23:21:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/24	23:21:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/02/24	23:21:36.0	XRT_PREFLR_STRT_432_OG [0x1b0]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/02/24	23:24:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/02/24	23:29:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/24	23:29:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/02/24	23:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2016/02/24	23:30:00.0	AOCS_ORe-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	01	00 00 00 00
2016/02/24	23:30:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2016/02/24	23:30:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2016/02/24	23:30:22.0	XRT_AEC_RESET_448_OG [0x1c0]					

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2016/02/24	23:30:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0				
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/02/24	23:30:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da				
2016/02/24	23:32:56.0	XRT_QT_PROG_SET_417_OG [0x1a1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2016/02/24	23:32:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07			
2016/02/24	23:36:00.5	XRT_Custom_430_OG [0x1ae]								
2016/02/24	23:37:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/02/25	00:52:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/25	00:52:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/25	00:52:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2016/02/25	00:52:06.0	XRT_PREFLR_STRT_432_OG [0x1b0]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/02/25	00:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/02/25	01:05:00.5	XRT_Custom_430_OG [0x1ae]								
2016/02/25	01:06:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/02/25	02:20:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/25	02:20:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/25	02:20:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2016/02/25	02:20:36.0	XRT_PREFLR_STRT_432_OG [0x1b0]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/02/25	02:23:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/02/25	02:29:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/25	02:29:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/25	02:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2016/02/25	02:30:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	03	00	00	00	00
2016/02/25	02:30:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2016/02/25	02:30:20.5	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2016/02/25	02:30:22.5	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2016/02/25	02:30:24.5	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/02/25	02:30:26.5	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da				
2016/02/25	02:32:56.5	XRT_QT_PROG_SET_417_OG [0x1a1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2016/02/25	02:32:58.5	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07			
2016/02/25	02:41:00.0	XRT_Custom_430_OG [0x1ae]								
2016/02/25	02:42:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/02/25	03:48:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/25	03:48:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/25	03:48:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2016/02/25	03:48:36.0	XRT_PREFLR_STRT_432_OG [0x1b0]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/02/25	03:51:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/02/25	04:18:00.0	XRT_Custom_430_OG [0x1ae]								
2016/02/25	04:19:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/02/25	05:29:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/25	05:29:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/25	05:29:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2016/02/25	05:29:06.0	XRT_PREFLR_STRT_432_OG [0x1b0]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/02/25	05:32:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/02/25	05:55:30.0	XRT_Custom_430_OG [0x1ae]								
2016/02/25	05:56:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/02/25	06:05:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/25	06:05:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/02/25	06:05:28.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2016/02/25	06:05:30.0	AOCS_ORe-point_Start_3_OG [0x099]								

2016/02/25	06:05:48.0	XRT_FLD_DIS_406_OG [0x196]	AOCU_NM	5	02-76	00	00	00	00	00
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2016/02/25	06:08:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2016/02/25	06:08:26.0	XRT_ARS_DIS_423_OG [0x1a7]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2016/02/25	06:08:28.0	XRT_QT_PROG_SET_439_OG [0x1b7]		2	07-F0	c4	11			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	11			
2016/02/25	06:08:30.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2016/02/25	06:15:24.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2016/02/25	06:15:26.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2016/02/25	06:15:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]		4	07-F8	22	fe	97	00	
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2016/02/25	06:15:30.0	AOCS_Ore-point_Start_1_OG [0x097]		5	02-76	03	00	00	00	00
		AOCU_NM		5	02-76	03	00	00	00	00
2016/02/25	06:15:48.0	XRT_FLD_ENA_411_OG [0x19b]		1	07-F0	d8				
		MDP_XRT_FLD_ENA		1	07-F0	d8				
2016/02/25	06:15:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		1	07-F0	c8				
		MDP_XRT_FLRCTRL_ENA		1	07-F0	c8				
2016/02/25	06:15:52.0	XRT_AEC_RESET_448_OG [0x1c0]		1	07-F0	d0				
		MDP_XRT_AEC_RESET		1	07-F0	d0				
2016/02/25	06:15:54.0	XRT_ARS_DIS_423_OG [0x1a7]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2016/02/25	06:15:56.0	XRT_FLD_RESET_433_OG [0x1b1]		1	07-F0	da				
		MDP_XRT_FLD_RESET		1	07-F0	da				
2016/02/25	06:18:26.0	XRT_QT_PROG_SET_417_OG [0x1a1]		2	07-F0	c4	0b			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	0b			
2016/02/25	06:18:28.0	XRT_FL_PROG_SET_436_OG [0x1b4]		2	07-F0	c5	07			
		MDP_XRT_FL_PROG_SET		2	07-F0	c5	07			
2016/02/25	06:18:30.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2016/02/25	07:09:00.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2016/02/25	07:09:02.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2016/02/25	07:09:04.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0	da				
		MDP_XRT_FLD_RESET		1	07-F0	da				
2016/02/25	07:09:06.0	XRT_PREFLR_STRT_432_OG [0x1b0]		1	07-F0	e8				
		MDP_XRT_PREFLR_STRT		1	07-F0	e8				
2016/02/25	07:12:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0	e9				
		MDP_XRT_PREFLR_STOP		1	07-F0	e9				
2016/02/25	07:33:00.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c0				
2016/02/25	07:34:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2016/02/25	08:00:00.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2016/02/25	08:00:02.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2016/02/25	12:04:00.0	AOCS_ORe-point_Start_3_OG [0x099]		5	02-76	00	00	00	00	00
		AOCU_NM		5	02-76	00	00	00	00	00