

XRT Timeline to be uploaded on 2014/12/13

Period: 2014/12/13 12:15:00 - 2014/12/23 09:53:00

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Normal mode

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XOB #19E4: AR Standard-A(Filter-Ratio with Al/poly and thin-Be) with PFB, 384x384 at 1064 1048, thin-Be, thick-Al, and Al/Poly context, with G-band (33ms)

Term	Pointing (x, y)	Comment
12/13 12:28:00 - 12/13 14:23:00	Fixed (873.0, -76.0)	# OP start + 10min SP W-limb AR 12227
12/13 14:33:30 - 12/13 15:57:00	Track (423.0, -225.1) @ 12/13 14:25:00	AR 12230 Tracking
12/14 05:57:00 - 12/14 06:12:00	Track (544.1, -224.8) @ 12/14 05:54:00	AR 12230 Tracking
12/14 07:43:00 - 12/14 15:59:54	Track (557.2, -224.8) @ 12/14 07:40:00	AR 12230 Tracking
12/14 21:03:00 - 12/15 05:59:54	Track (650.6, -225.0) @ 12/14 21:00:00	AR 12230 Tracking
12/15 06:13:00 - 12/15 15:59:54	Track (708.6, -225.3) @ 12/15 06:10:00	AR 12230 Tracking
12/15 21:03:00 - 12/16 06:21:24	Track (790.6, -226.1) @ 12/15 21:00:00	AR 12230 Tracking
12/16 06:34:30 - 12/16 10:58:54	Track (834.9, -226.9) @ 12/16 06:31:30	AR 12230 Tracking

PROG= 07 Inf.-time(s)

Subr= 1	1-time(s)	2.0sec										
└─ Seqn= 8	2-time(s)	2.0sec										
└─ Open/G-band	Open/G-band	close	Safe	Norm	44ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
Subr= 2	2-time(s)	2.0sec										
└─ Seqn= 24	1-time(s)	2.0sec										
└─ Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
└─ Open/G-band	Open/G-band	open	Safe	Norm	32ms	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
└─ Seqn= 42	4-time(s)	2.0sec										
└─ Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
└─ thin-Be/Open	med-Be/Open	close	Safe	Norm	5.66s	Obs	1x1	512x512 (1064, 1048)	Q=95	3	0	2.0sec
└─ Open/thick-Al	Open/thick-Al	close	Safe	Norm	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
└─ Seqn= 62	10-time(s)	180.0sec										
└─ 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 #1A68: QS (Filter-Ratio with Ti/poly and Al/mesh), 128x128 at 1064, 1048 with G-band (33ms/45ms leak) 30s cad - AEC3 - HOP276

Term	Pointing (x, y)	Comment
12/13 16:21:30 - 12/13 18:59:54	Track (17.0, -387.9) @ 12/13 16:00:00	HOP276 (ALMA): Dark filament
12/14 06:38:00 - 12/14 07:04:54	Track (-23.0, 6.9) @ 12/14 06:30:00	SP Mosaic Obs. #1/2
12/14 07:08:00 - 12/14 07:39:54	Track (14.5, 6.9) @ 12/14 07:05:00	SP Mosaic Obs. #2/2
12/14 16:03:00 - 12/14 18:59:54	Fixed (319.0, 234.0)	HOP 276 (ALMA): QS with network structure
12/14 19:13:00 - 12/14 20:59:54	Fixed (-1.0, -644.0)	HOP276 (ALMA): QS without network structure
12/15 19:23:00 - 12/15 20:59:54	Fixed (193.0, -588.0)	HOP276 (ALMA): QS without network structure

PROG= 15 Inf.-time(s)

Subr= 1	1-time(s)	2.0sec										
└─ Seqn= 8	1-time(s)	2.0sec										
└─ Open/G-band	Open/G-band	close	Safe	Norm	44ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
└─ Seqn= 24	1-time(s)	2.0sec										
└─ Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
└─ Open/G-band	Open/G-band	open	Safe	Norm	32ms	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
Subr= 2	1-time(s)	2.0sec										
└─ Seqn= 89	180-time(s)	30.0sec										
└─ Open/Ti-poly	Open/thick-Al	close	Safe	Norm	2.00s	Obs	1x1	128x128 (1064, 1048)	Q=95	3	0	2.0sec
└─ Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	1x1	128x128 (1064, 1048)	Q=95	3	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1A6A: Synoptic 8 Filter w/ Al-mesh(8/128/1024), Ti-poly(16/362/2048), Thin-Be(88/1024/5795) - Al-poly+Ti-poly(256/2048), Al-poly(45/1024), Med-Al(40)

Term	Pointing (x, y)	Comment
12/13 19:03:00 - 12/13 19:09:54	Fixed (0.0, 0.0)	synoptic, shifted -0.5 min

PROG= 14 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= 6 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	8ms	Obs	2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	32ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 2 2-time(s) 12.0sec												
Seqn= 25 1-time(s) 2.0sec												
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Seqn= 21 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	44ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Seqn= 37 1-time(s) 4.0sec												
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	22.6s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Seqn= 46 1-time(s) 4.0sec												
Open/thick-Be	Open/thick-Be	close	Safe	Norm	64.0s	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	

XOB #1A50: AR (Filter-Ratio with Al/poly and thin-Be), 128x128 at 1064, 1048 with G-band (33ms/45ms leak) 30s cad - AEC3- HOP268

Term	Pointing (x, y)	Comment
12/13 19:35:01 - 12/14 05:43:54	Track (437.3, -240.0) @ 12/13 19:10:00	HOP276 (ALMA): AR 12230 until 21 UT
12/15 16:03:00 - 12/15 19:09:54	Track (-146.0, -137.0) @ 12/15 16:00:00	HOP276 (ALMA): NOAA 12235
PROG= 10 Inf-time(s)		
Subr= 1 1-time(s) 2.0sec		
Seqn= 8 1-time(s) 2.0sec		
Open/G-band	Open/G-band	close Safe Norm 44ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
Seqn= 24 1-time(s) 2.0sec		
Open/Ti-poly	Open/thick-Al	close Safe Dark 16.0s Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec
Open/G-band	Open/G-band	open Safe Norm 32ms Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec
Subr= 2 1-time(s) 2.0sec		
Seqn= 70 180-time(s) 30.0sec		
Al-poly/Open	thin-Be/Open	close Safe Norm 500ms Obs 1x1 128x128 (1064, 1048) Q=95 3 0 2.0sec
thin-Be/Open	med-Be/Open	close Safe Norm 5.66s Obs 1x1 128x128 (1064, 1048) Q=95 3 0 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

XOB #1A62: 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
12/14 05:47:00 - 12/14 05:53:54	Fixed (0.0, 0.0)	synoptic, shifted -16.0 min
12/14 19:03:00 - 12/14 19:09:54	Fixed (0.0, 0.0)	synoptic, shifted -13.5 min
12/15 06:03:00 - 12/15 06:09:54	Fixed (0.0, 0.0)	synoptic
12/15 19:13:00 - 12/15 19:19:54	Fixed (0.0, 0.0)	synoptic, shifted 3.5 min
12/16 06:24:30 - 12/16 06:31:24	Fixed (0.0, 0.0)	synoptic, shifted 21.5 min
PROG= 03 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= 6 1-time(s) 2.0sec		
Open/G-band	Open/G-band	open Safe Norm 8ms Obs 2x2 2048x2048 (1024, 1024) Q=90 0 0 2.0sec
Open/G-band	Open/G-band	close Safe Norm 32ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

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Flare mode

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XOB #1A61: 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
12/13 12:28:00 - 12/13 14:23:00	Fixed (873.0, -76.0)	# OP start + 10min SP W-limb AR 12227
12/13 14:33:30 - 12/13 15:57:00	Track (423.0, -225.1) @ 12/13 14:25:00	AR 12230 Tracking
12/13 16:21:30 - 12/13 18:59:54	Track (17.0, -387.9) @ 12/13 16:00:00	HOP276 (ALMA): Dark filament
12/13 19:35:01 - 12/14 05:43:54	Track (437.3, -240.0) @ 12/13 19:10:00	HOP276 (ALMA): AR 12230 until 21 UT

12/14 05:57:00 - 12/14 06:12:00	Track (544.1, -224.8) @ 12/14 05:54:00	AR 12230 Tracking
12/14 06:38:00 - 12/14 07:04:54	Track (-23.0, 6.9) @ 12/14 06:30:00	SP Mosaic Obs. #1/2
12/14 07:08:00 - 12/14 07:39:54	Track (14.5, 6.9) @ 12/14 07:05:00	SP Mosaic Obs. #2/2
12/14 07:43:00 - 12/14 15:59:54	Track (557.2, -224.8) @ 12/14 07:40:00	AR 12230 Tracking
12/14 16:03:00 - 12/14 18:59:54	Fixed (319.0, 234.0)	HOP 276 (ALMA): QS with network structure
12/14 19:13:00 - 12/14 20:59:54	Fixed (-1.0, -644.0)	HOP276 (ALMA): QS without network structure
12/14 21:03:00 - 12/15 05:59:54	Track (650.6, -225.0) @ 12/14 21:00:00	AR 12230 Tracking
12/15 06:13:00 - 12/15 15:59:54	Track (708.6, -225.3) @ 12/15 06:10:00	AR 12230 Tracking
12/15 16:03:00 - 12/15 19:09:54	Track (-146.0, -137.0) @ 12/15 16:00:00	HOP276 (ALMA): NOAA 12235
12/15 19:23:00 - 12/15 20:59:54	Fixed (193.0, -588.0)	HOP276 (ALMA): QS without network structure
12/15 21:03:00 - 12/16 06:21:24	Track (790.6, -226.1) @ 12/15 21:00:00	AR 12230 Tracking
12/16 06:34:30 - 12/16 10:58:54	Track (834.9, -226.9) @ 12/16 06:31:30	AR 12230 Tracking

PROG= 19 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= 15 1-time(s) 2.0sec	
Open/G-band	Open/G-band open Safe Norm 44ms Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec
Open/thick-Al	Open/thick-Al close Safe Dark 1.00s Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec
Open/thick-Al	Open/thick-Al close Safe Dark 1.00s Obs 2x2 512x512 (1024, 1024) Q=98 0 0 2.0sec
Default Filter	Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

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Active Region Search

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NOT USED

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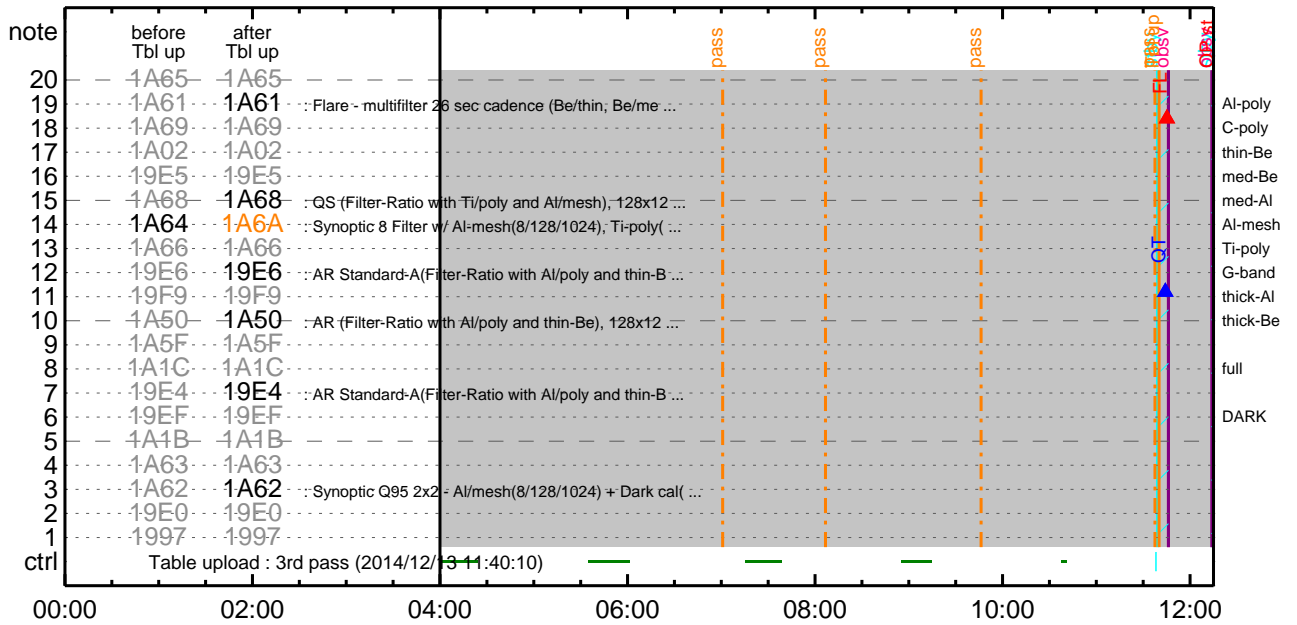
Flare Detection

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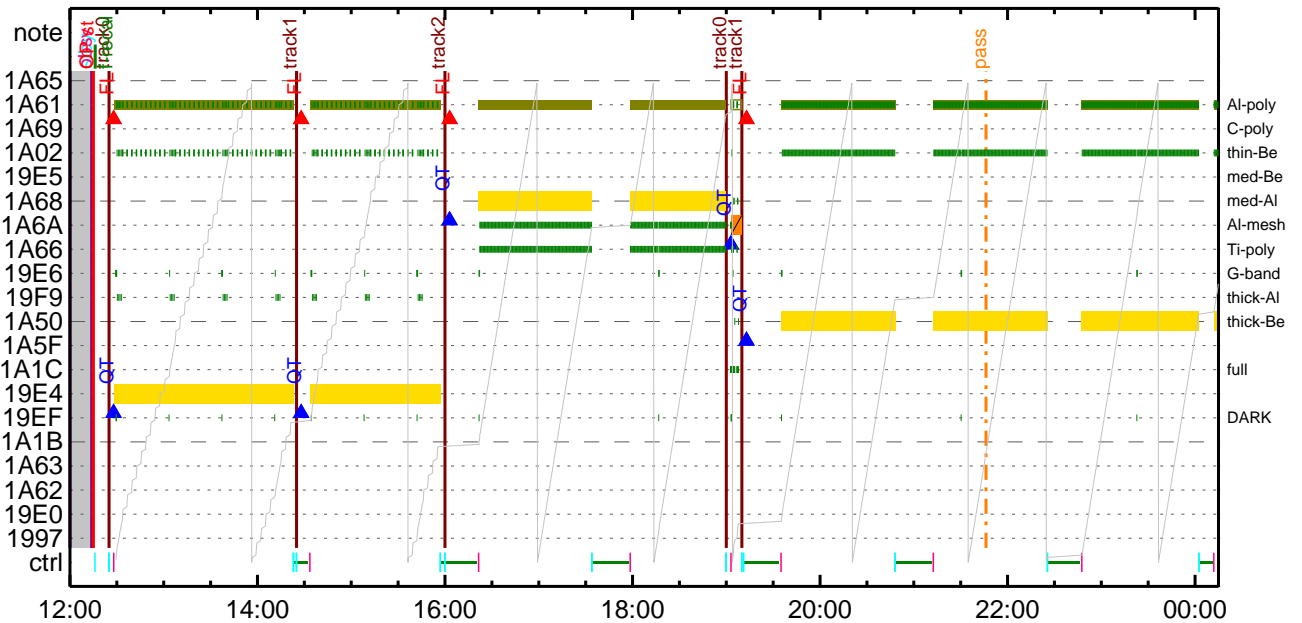
FLD Patrol

Term	Pointing (x, y)	Comment
12/13 19:10:18 - 12/14 05:44:18	Track (437.3, -240.0) @ 12/13 19:10:00	HOP276 (ALMA): AR 12230 until 21 UT
12/14 05:54:18 - 12/14 19:00:18	Track (544.1, -224.8) @ 12/14 05:54:00	AR 12230 Tracking
12/14 19:10:18 - 12/15 06:00:18	Fixed (-1.0, -644.0)	HOP276 (ALMA): QS without network structure
12/15 06:10:18 - 12/15 19:10:18	Track (708.6, -225.3) @ 12/15 06:10:00	AR 12230 Tracking
12/15 19:20:18 - 12/16 06:21:48	Fixed (193.0, -588.0)	HOP276 (ALMA): QS without network structure
12/16 06:31:48 - 12/23 09:53:00	Track (834.9, -226.9) @ 12/16 06:31:30	AR 12230 Tracking
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	

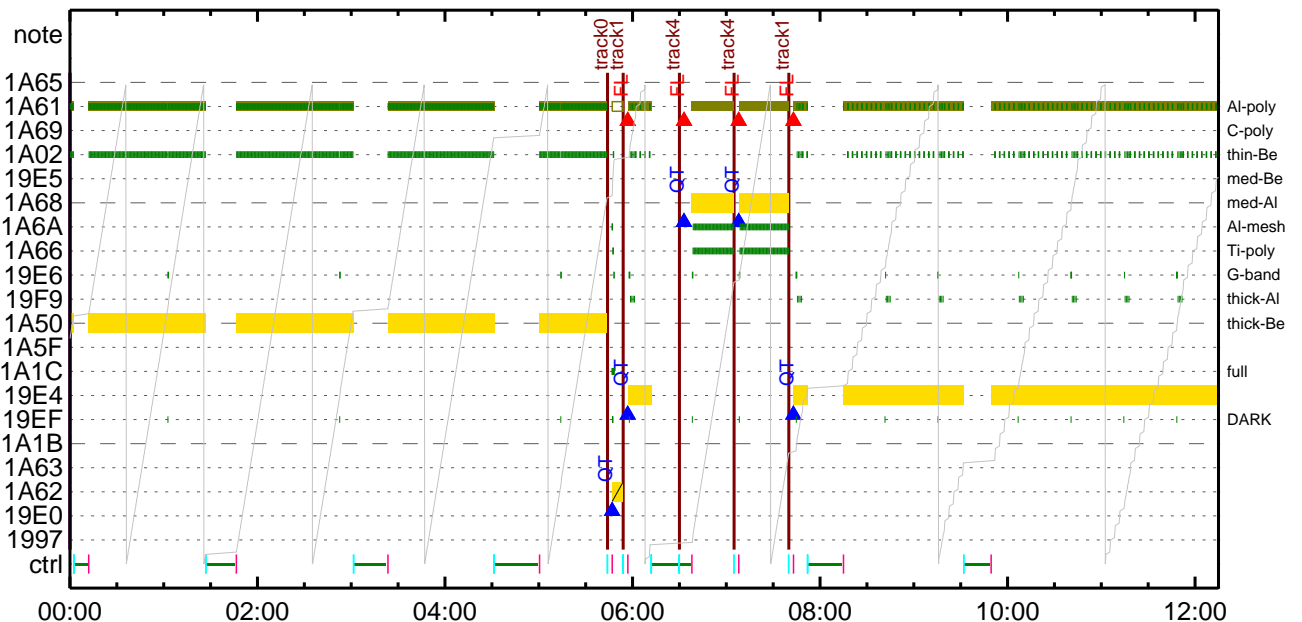
CMDI #0787 2014/12/13



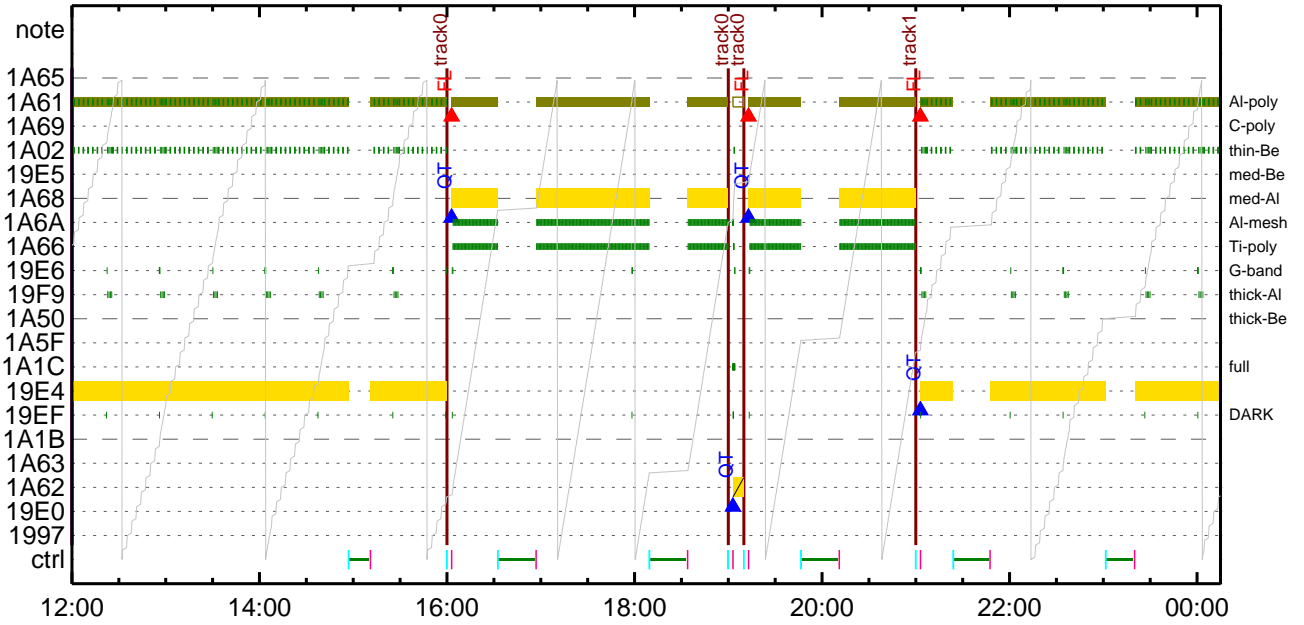
CMDI #0787 2014/12/13



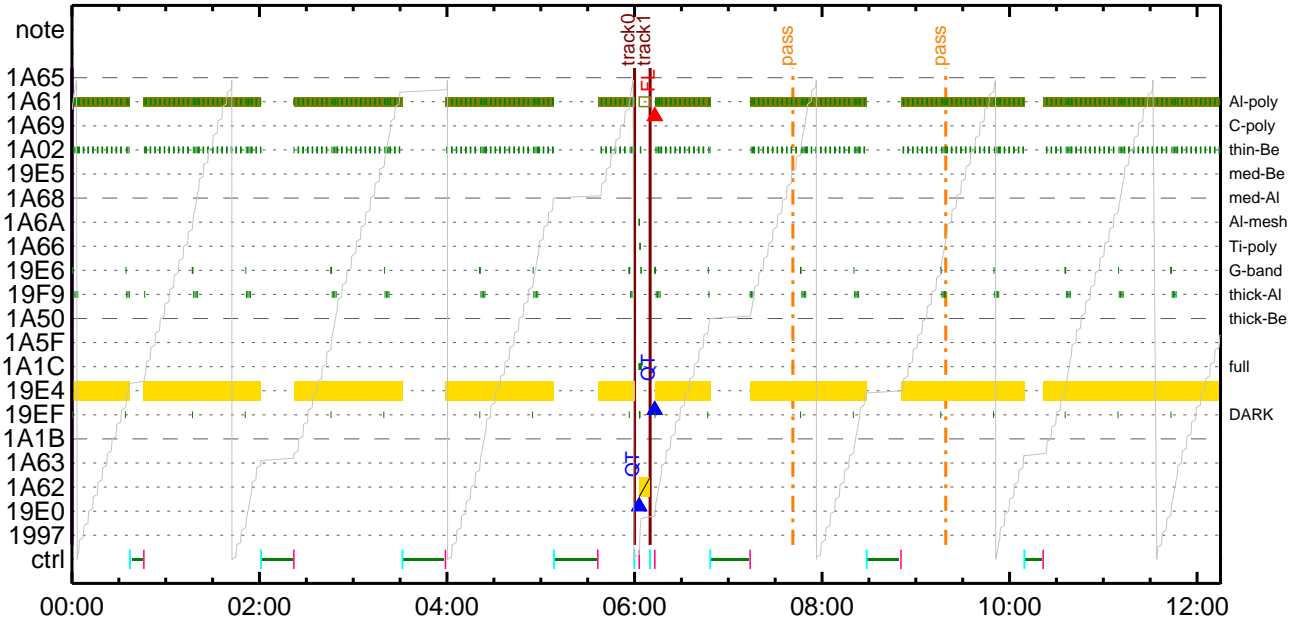
CMDI #0787 2014/12/14



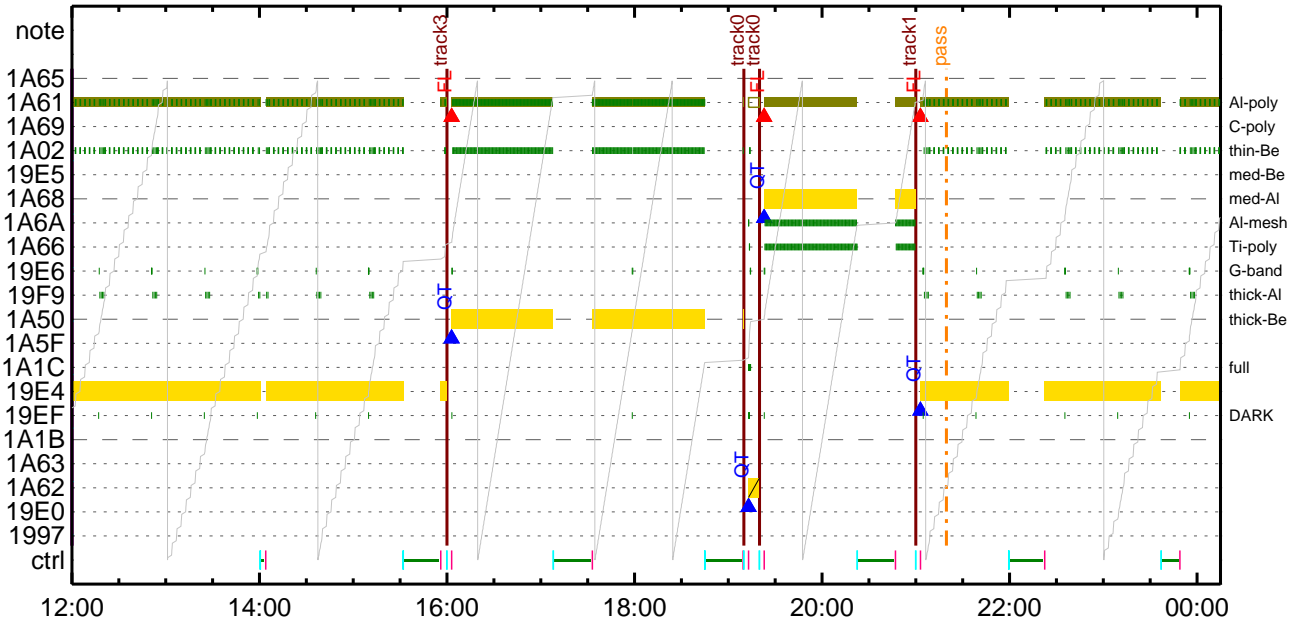
CMDI #0787 2014/12/14



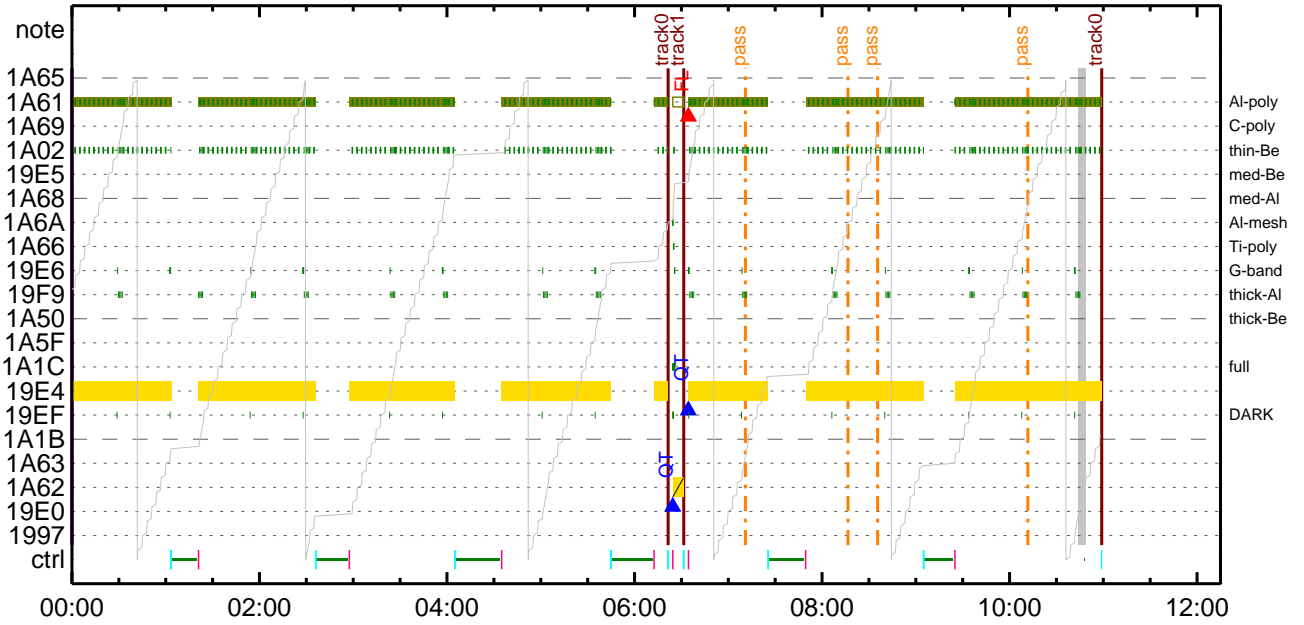
CMDI #0787 2014/12/15



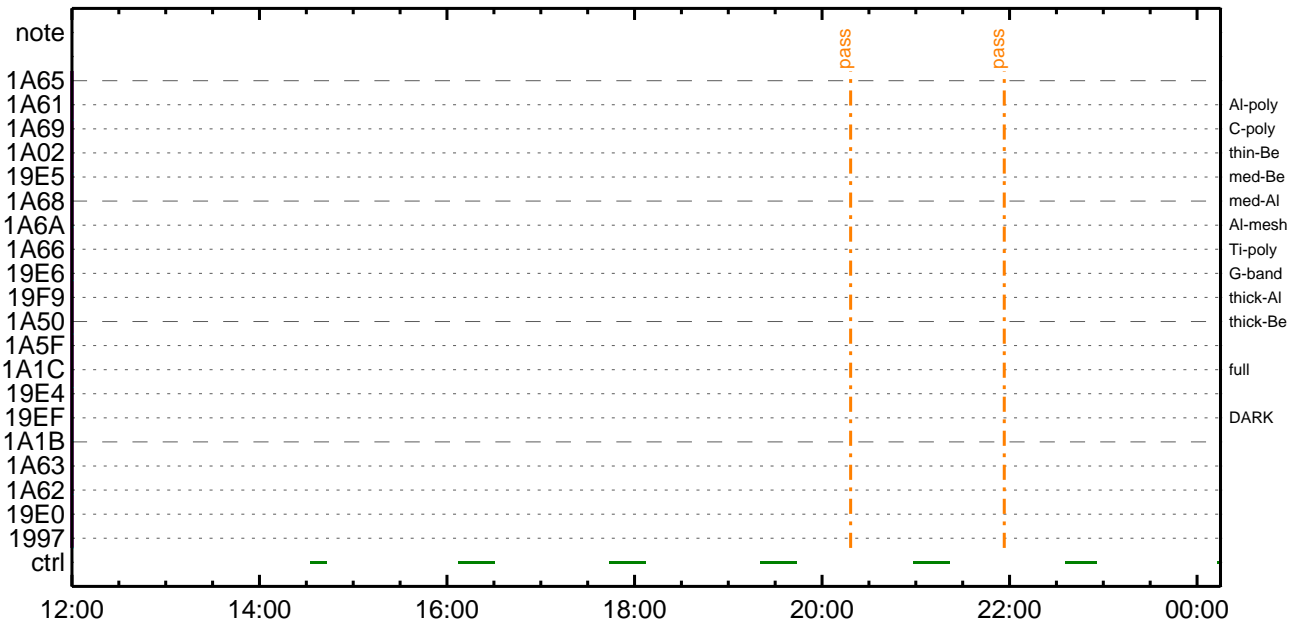
CMDI #0787 2014/12/15



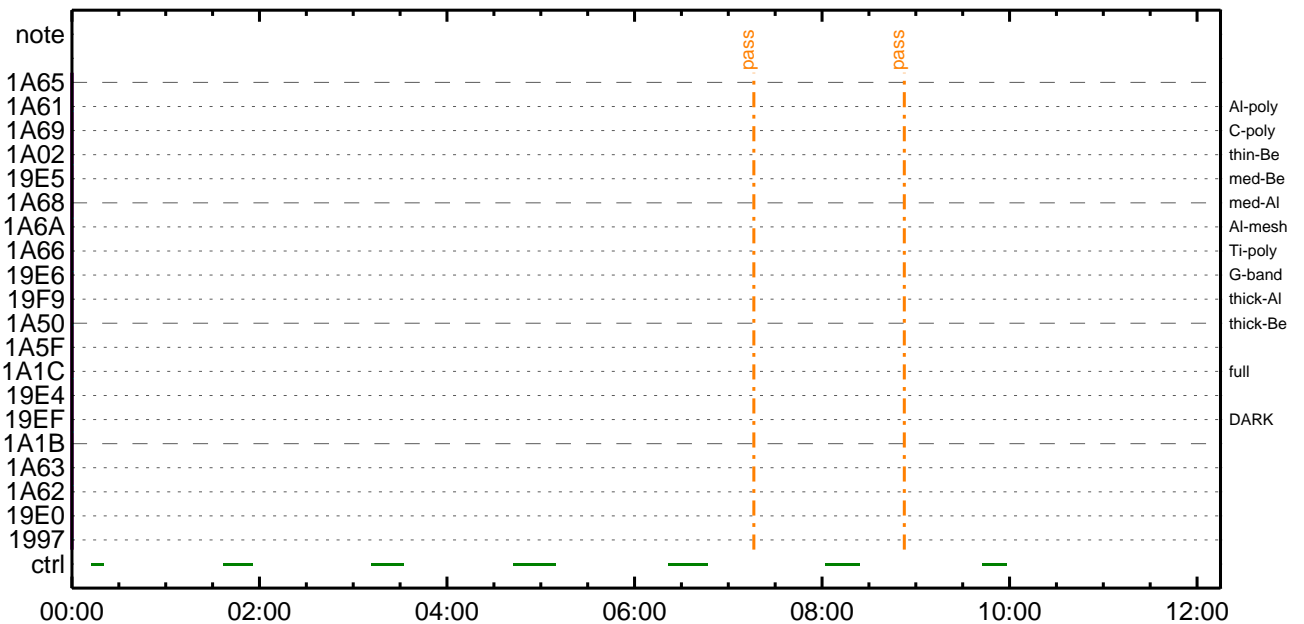
CMDI #0787 2014/12/16



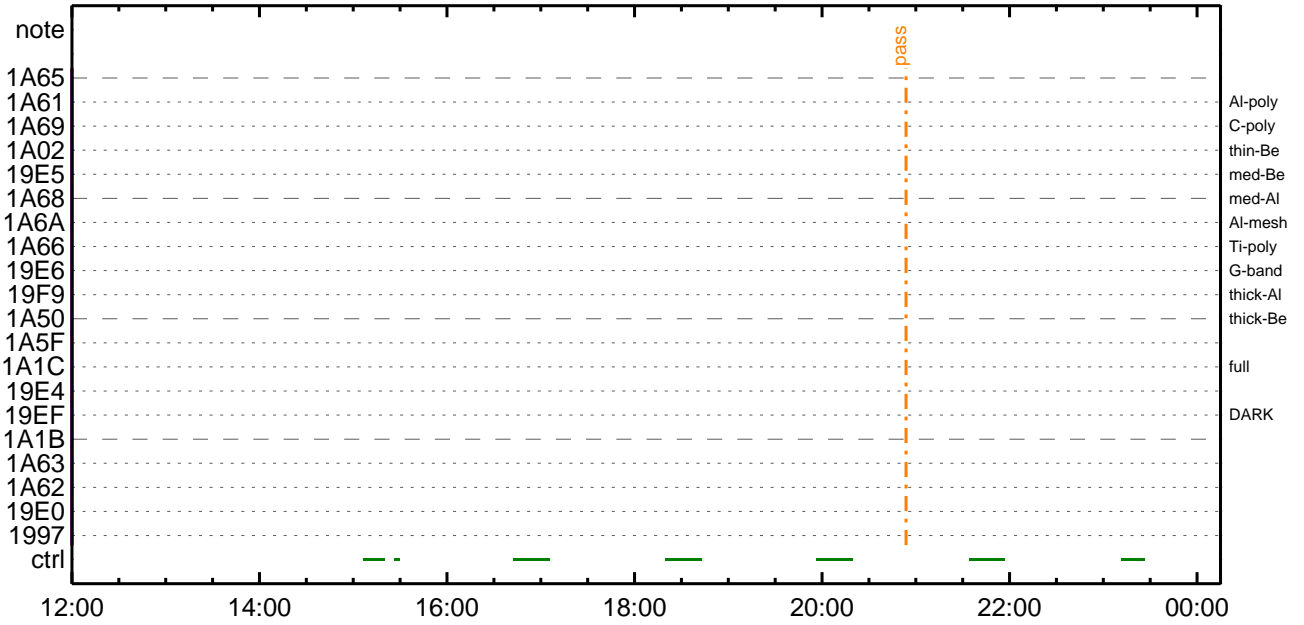
CMDI #0787 2014/12/16



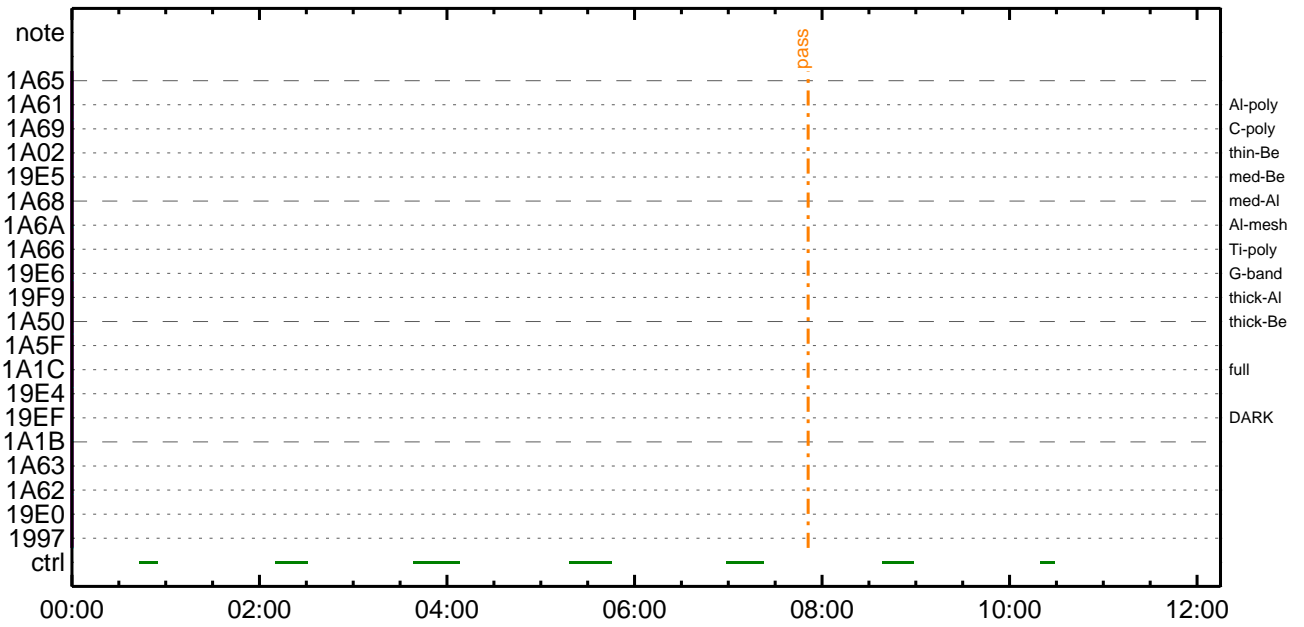
CMDI #0787 2014/12/17



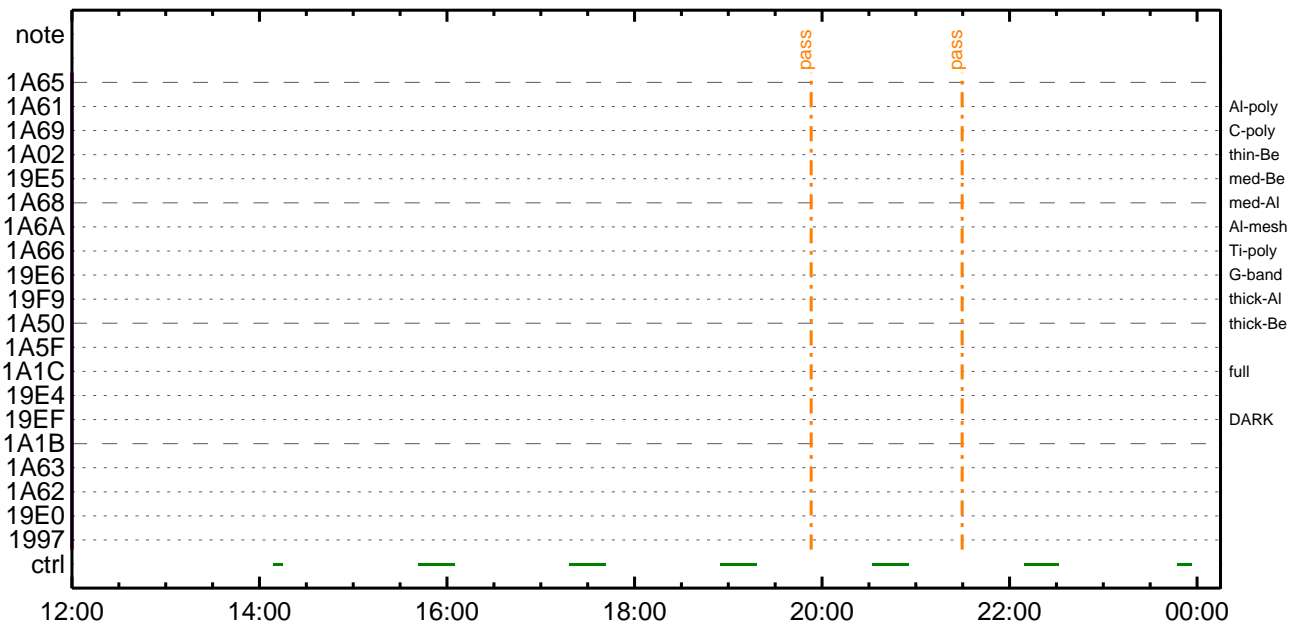
CMDI #0787 2014/12/17



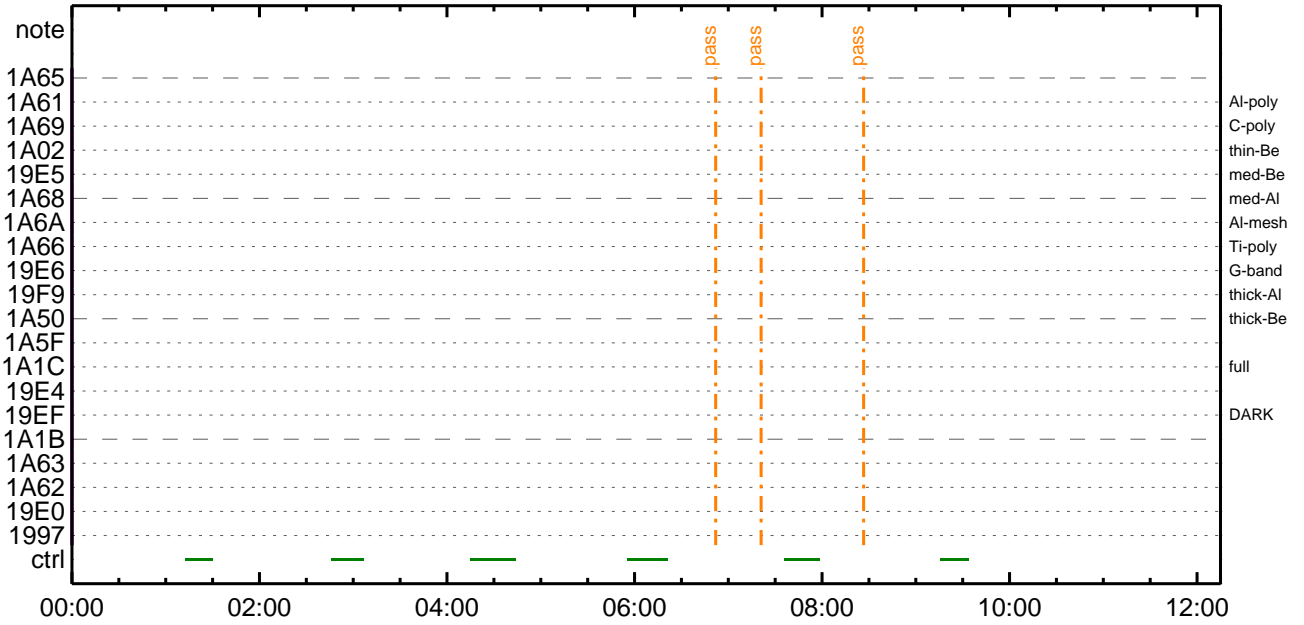
CMDI #0787 2014/12/18



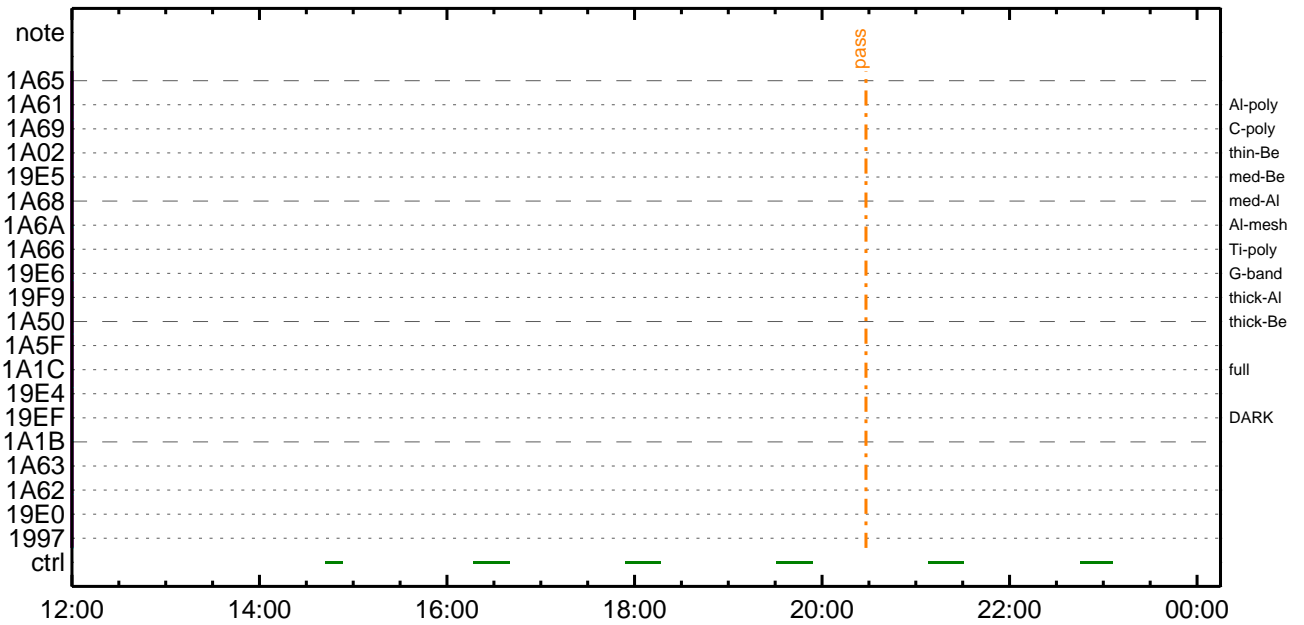
CMDI #0787 2014/12/18



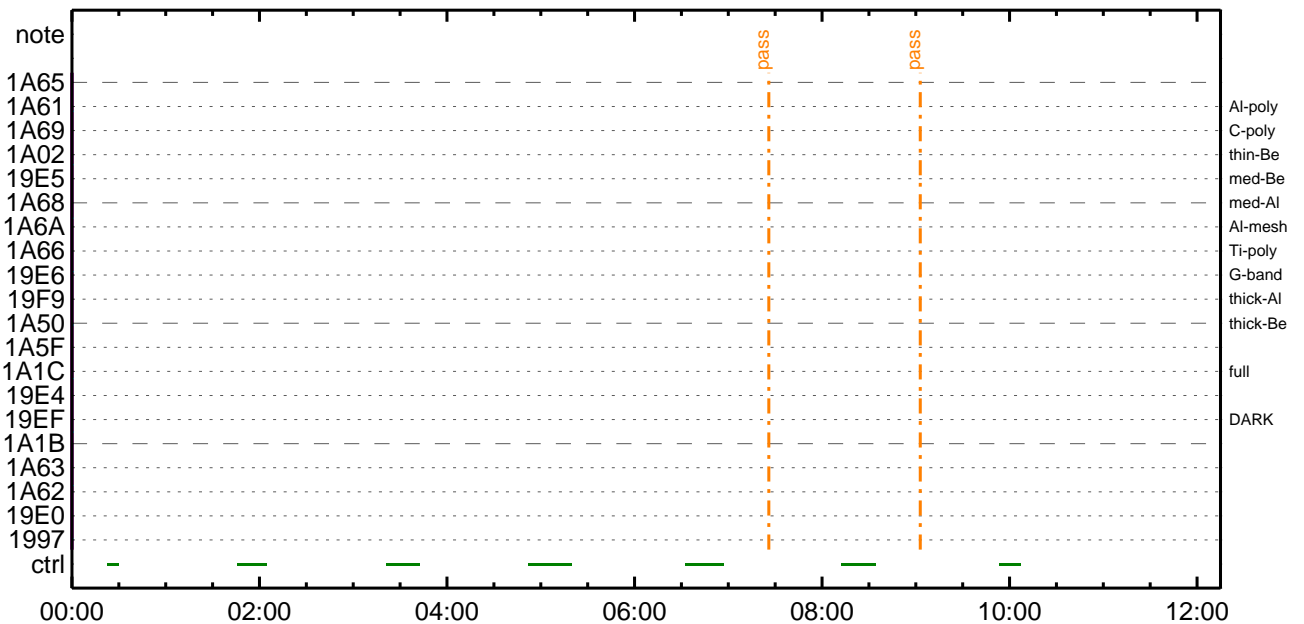
CMDI #0787 2014/12/19



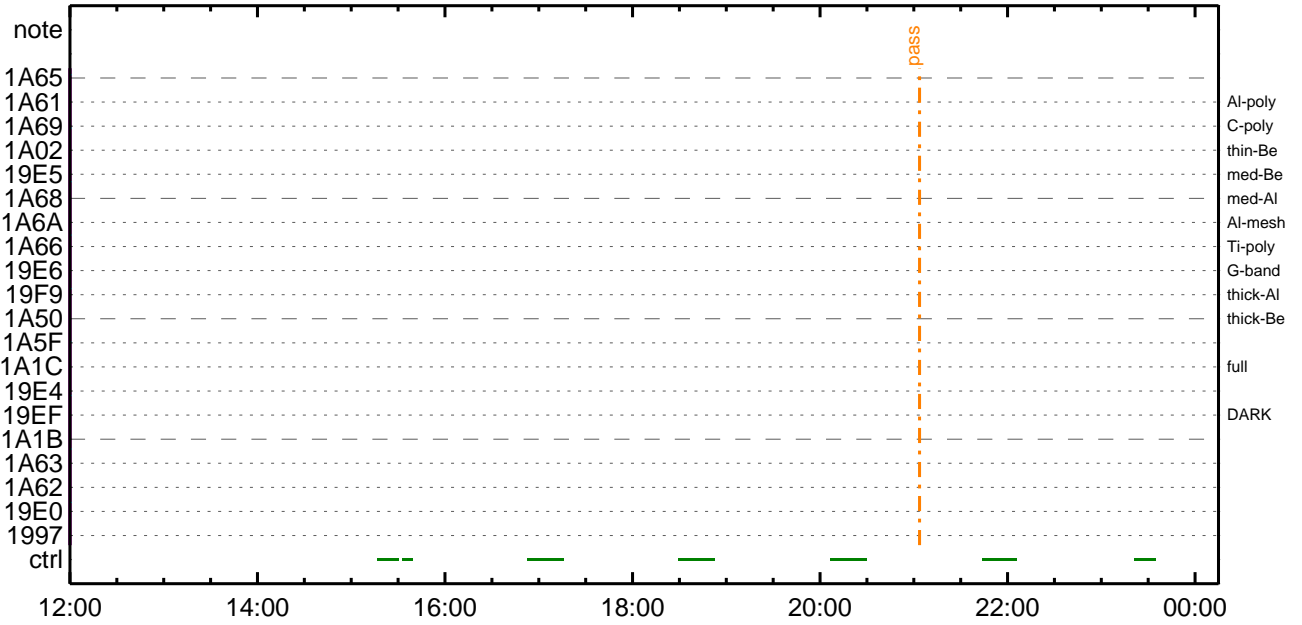
CMDI #0787 2014/12/19



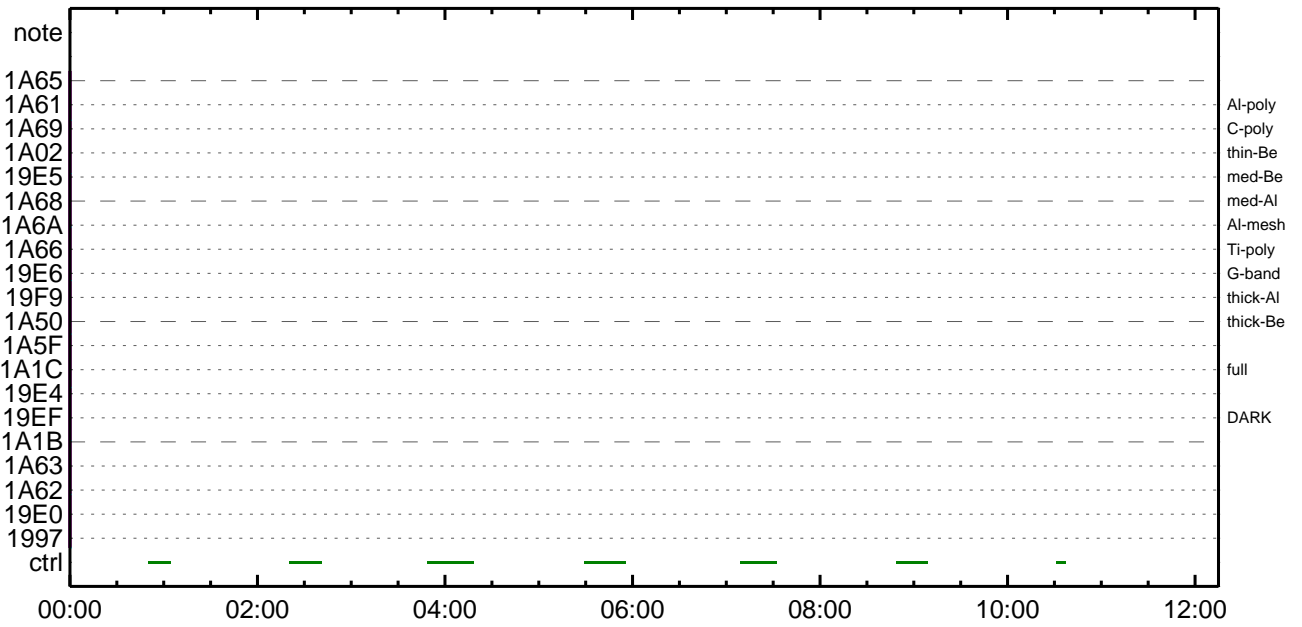
CMDI #0787 2014/12/20



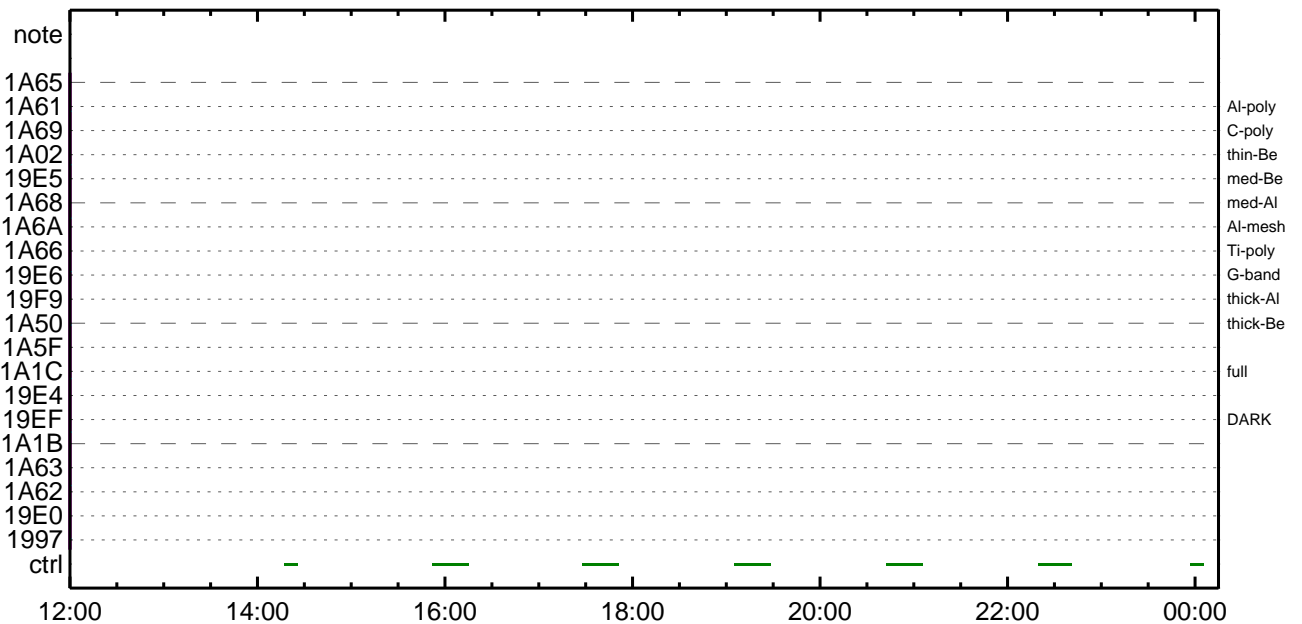
CMDI #0787 2014/12/20



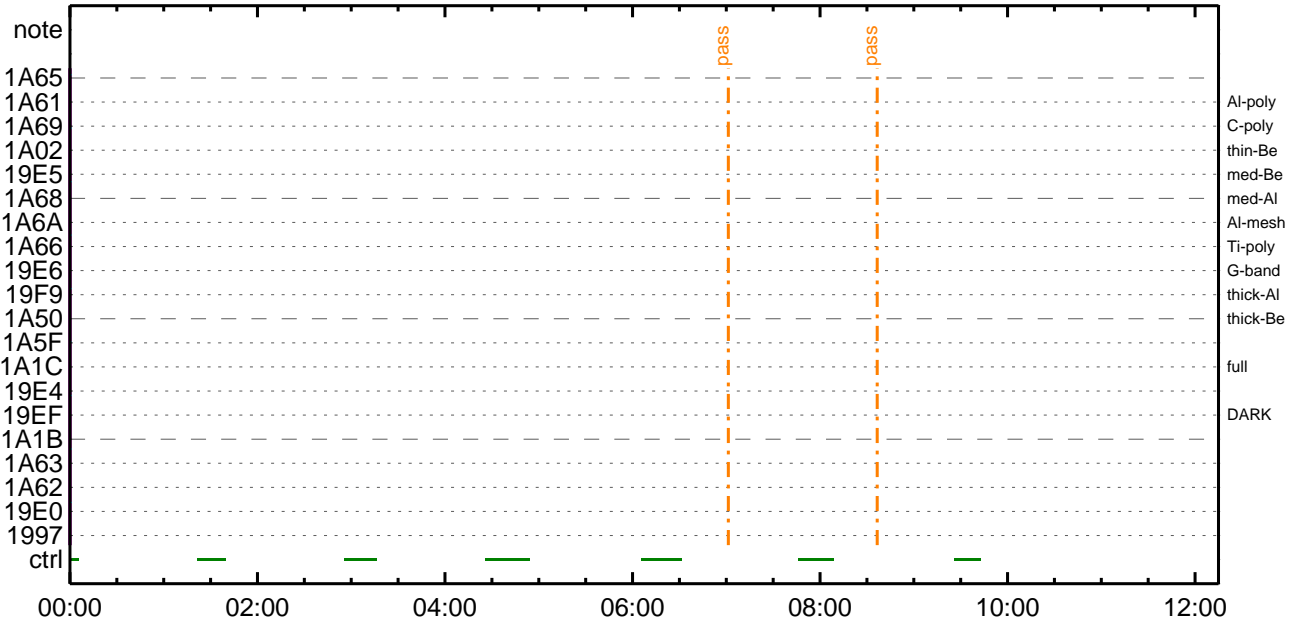
CMDI #0787 2014/12/21



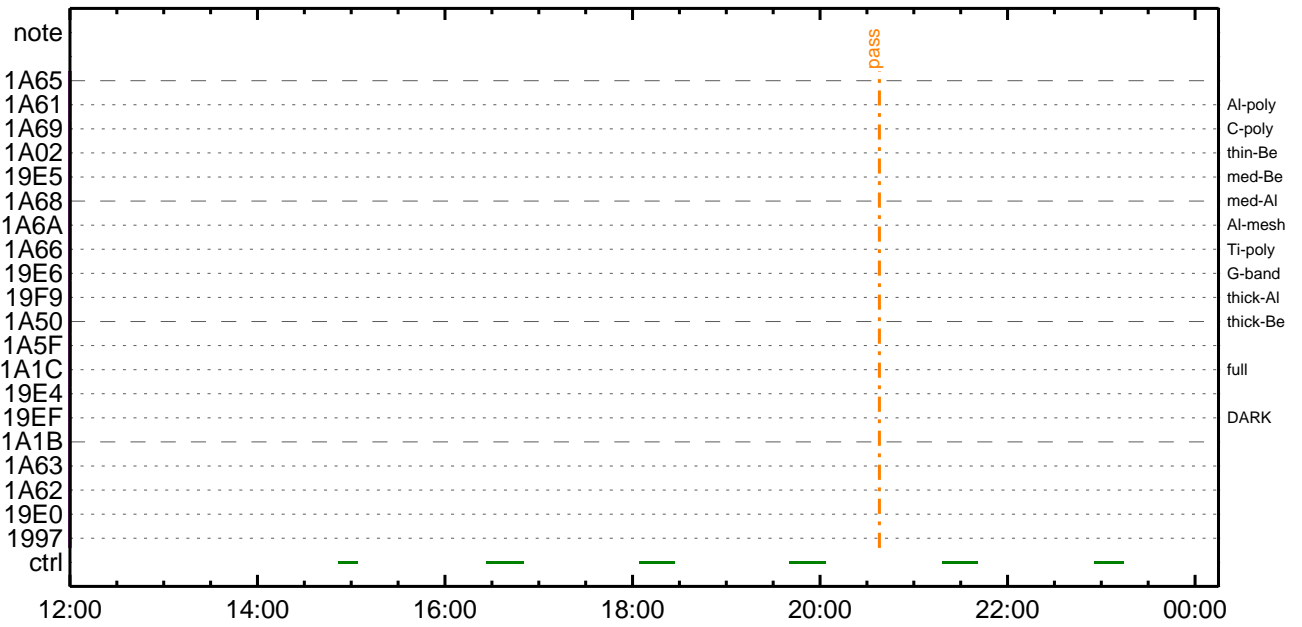
CMDI #0787 2014/12/21



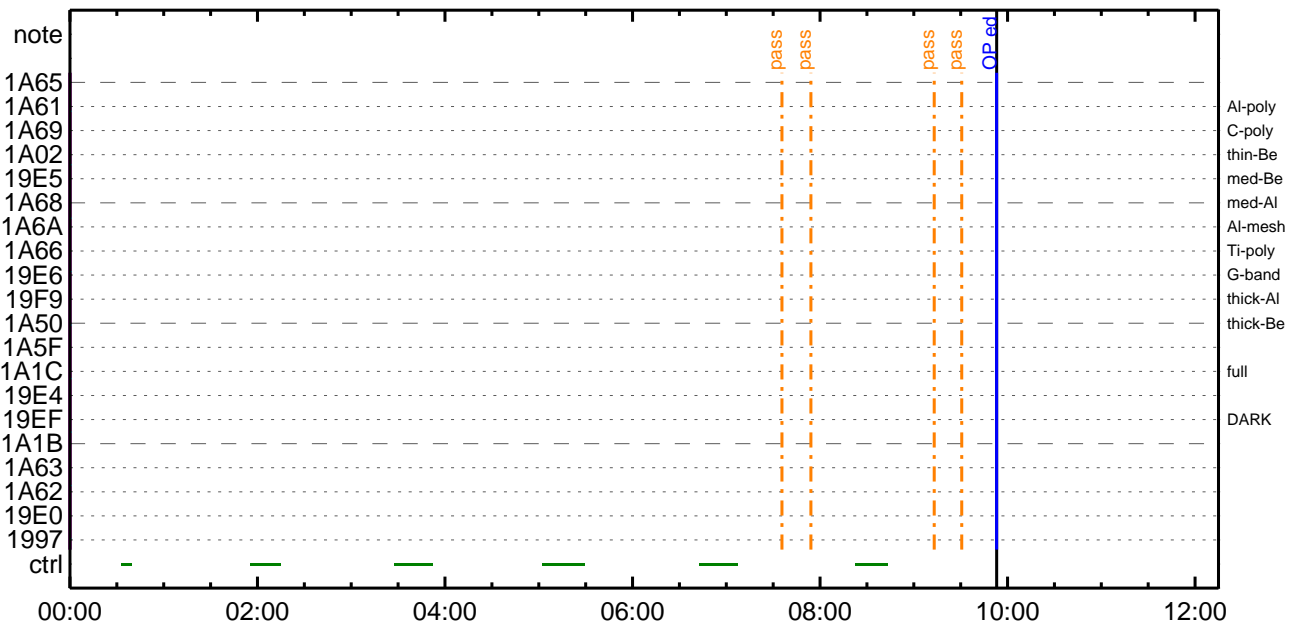
CMDI #0787 2014/12/22



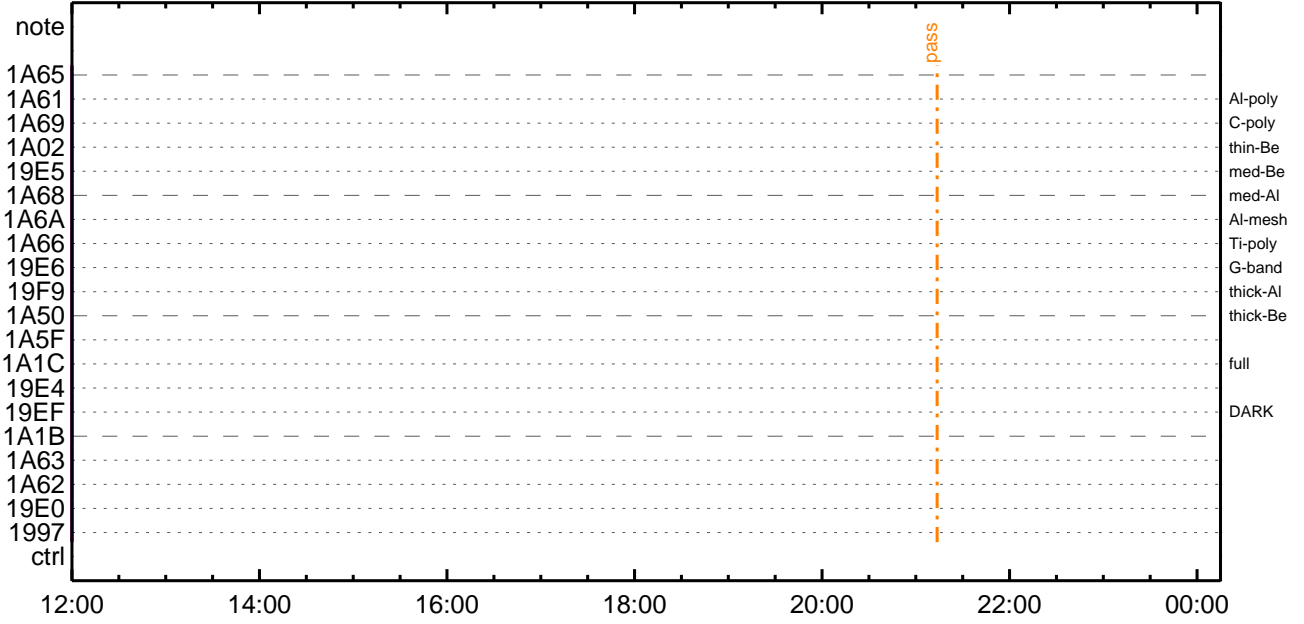
CMDI #0787 2014/12/22



CMDI #0787 2014/12/23



CMDI #0787 2014/12/23




```

0096 C.      SET EDUMP I±°iYNY¹aÇ¹Ôa|a³aE;f
0097 C.
0098 C.      TIY³YBYÖYÉaðÄDİ¿(UT)
0099 +. TI 2014-12-13 12:10:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.      çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0102 C.
0103 +. TI 2014-12-13 12:10:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.      çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0106 C.
0107 +. TI 2014-12-13 12:10:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.      çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0110 C.
0111 +. TI 2014-12-13 12:14:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.      çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0114 C.
0115 C.      Ê²¼aİÄê%îİÑaİYÁY§YÁY-¹àİÜ
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.      TIİİ°èYÁYÖY×
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.      YÁYÖY×¼ª¹İ»að³İÇ§
0142 C.      çç[HK1_DMP_CHK_FLG]        EQ      NON
0143 C.
0144 C.      RAM ID=TI_TBLaİ%È¹Ç•è²İOKað³İÇ§
0145 C.
0146 C.      DHUÿâ;¼YÉ;È¼Y¼.Yİ;¼YÈ;Ëaðİáa¹
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.      SOT TI command set
0156 C.      *****
0157 C.      Execute, after the success of OP upload.
0158 +. TI 2014-12-13 12:14:16.0
0159 DC 07-F0 MDP_SOT_MODE_STBY
0160 BC      (41)
0161 C.      -----
0162 C.      HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0163 C.      -----
0164 C.      ***** SOT END *****
0165 C.
0166 C.      ***** XRT START *****
0167 C.      Execute, after the success of OP upload.
0168 +. TI 2014-12-13 12:14:00.0
0169 DC 07-F0 MDP_XRT_MODE_STBY
0170 BC      (c3)
0171 C.      [ ] [HK1_TI_CMD_NUM]      EQ      1COUNTUP
0172 C.
0173 C.      ***** XRT END *****
0174 C.      Stop EIS observation and temporarily disable EIS mode changes
0175 C.
0176 C.
0177 C.      ***** Start EIS operation (TI set) *****
0178 C.      Execute, after the success of OP upload.
0179 C.      Set EIS TI-commands
0180 +. TI 2014-12-13 12:14:30.0
0181 DC 07-FC EIS_MODE_MANU
0182 BC      (21 02)
0183 +. TI 2014-12-13 12:14:40.0
0184 DC 07-FC EIS_MODE_CHG_DIS
0185 BC      (22)
0186 C.      [ ] [HK1_TI_CMD_NUM]      EQ      2 COUNTUP
0187 C.      ***** End EIS operation (TI set) *****
0188 C.
0189 C.
0190 C.
0191 C.      ***** MDP `ÜÄİaİ»ö¼YaÈÄa¹aèDCBC•x²è *****
0192 C.      (¼a°İYÖYÁYÉYBÿYÁYÇYèaÈ¼a¼A»Üa¹aé)
0193 S. DC-BC dcbc-402:DCBC

```

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


(a) Spacecraft Operation Procedure (real-commands)

```
main-815 2014-12-13 12:10:31 150 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èò¿òÀò•µ°È»Í×ÁÇòíYçYÁY×Yí;¼YÉ;ÈÈè%µ•ííÉ;ÈòÈ¼°ÇÒò•ò¿¼í¹çòÍ;çÀ®, ùò¹òèòòòçÁ+¿®ò•òÈòòò³òÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 + DC 07-F0 MDP_XRT_MODE_STBY
0020 BC (c3)
0021 . C. ----- Success Verify ? OK / NG ____
0022 C.
0023 C. XRT Obs. Table Upload
0024 . S. RAM ram-291:MDP_OBS_X
0025 ( )
0026 C.
0027 +. DC 07-F0 MDP_DUMP_XRTTBL
0028 BC (84 07 00 00 00 3a d4)
0029 . C. ----- Comparison Check ? OK / ERR ____
0030 C.
0031 C.
0032 +. DC 07-F0 MDP_XRT_ROI_SET
0033 BC (cd 01 b1 b1 04 04)
0034 + DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 02 b1 b1 08 08)
0036 + DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 03 b1 b1 08 08)
0038 + DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 04 b1 b1 06 06)
0040 + DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 05 85 83 06 06)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 06 85 83 06 06)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 07 85 83 08 08)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 08 85 83 02 02)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 09 80 80 20 20)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0a 80 80 20 08)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0b 80 80 08 20)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 0f 80 80 06 06)
0056 + DC 07-F0 MDP_XRT_ROI_SET
0057 BC (cd 10 80 80 08 08)
0058 + DC 07-F0 MDP_XRT_FLD_ENA
0059 BC (d8)
0060 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0061 BC (c8)
0062 + DC 07-F0 MDP_XRT_AEC_RESET
0063 BC (d0)
0064 + DC 07-F0 MDP_XRT_ARS_DIS
0065 BC (d5)
0066 + DC 07-F0 MDP_XRT_FLD_RESET
0067 BC (da)
0068 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0069 BC (c4 0c)
0070 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0071 BC (c5 13)
0072 . C. ----- Success Verify ? OK / NG ____
0073 C.
0074 C.
0075 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0076 C.
0077 +. DC 07-F0 MDP_XRT_MODE_OBSV
0078 BC (c2)
0079 +. TI 2014-12-13 12:14:02.0
0080 DC 07-F0 MDP_XRT_MODE_OBSV
0081 BC (c2)
0082 . C. ----- Success Verify ? OK / NG ____
0083 C.
0084 C. ***** XRT END *****
0085 . C. *****
0086 C. SOT table upload
0087 C. *****
0088 . C. < Stop FG table >
0089 +. DC 07-F0 MDP_FG_CTRL_MANU
0090 BC (51)
0091 . C. -----
0092 C. MDP_FG_CTRL_MODE = MANU [ ]
0093 C. -----
0094 C.
0095 . C. <Upload FG Observation Table>
```

```
0096 . S. RAM ram-266:MDP_OBS_F
0097 ( )
0098 C.
0099 . C. < Dump RAMID=MDP_OBS_F >
0100 +. DC 07-F0 MDP_DUMP_FGTBL
0101 BC (82 07 00 00 00 38 b8)
0102 C. -----
0103 C. MDP_OBS_F verify = OK/NG [ ]
0104 C. -----
0105 C.
0106 . C. < Stop SP table >
0107 +. DC 07-F0 MDP_SP_CTRL_MANU
0108 BC (61)
0109 C. -----
0110 C. MDP_SP_CTRL_MODE = MANU [ ]
0111 C. -----
0112 C.
0113 . C. <Upload SP Observation Table>
0114 . S. RAM ram-286:MDP_OBS_S
0115 ( )
0116 C.
0117 . C. < Dump RAMID=MDP_OBS_S >
0118 +. DC 07-F0 MDP_DUMP_SPTBL
0119 BC (83 07 00 00 00 38 b8)
0120 C. -----
0121 C. MDP_OBS_S verify = OK/NG [ ]
0122 C. -----
0123 C.
0124 C. *****
0125 C. SOT TI command set
0126 C. *****
0127 C. Execute, after the success of TBL upload.
0128 +. TI 2014-12-13 12:14:18.0
0129 DC 07-F0 MDP_SOT_MODE_OBSV
0130 BC (40)
0131 C. -----
0132 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0133 C. -----
0134 C.
0135 C.
0136 . C. ***** MDP 'ûÃîñî»ô%ŸñĒĀð¹ñēDCBC•x²è *****
0137 C. (%ā°îŸŌŸĀŸĒŸŦŸĒŸāŸŸēñĒ%ññ%Ā»Ūñ¹ñē)
0138 . S. DC-BC dcbc-402:DCBC
0139 (MDP_known_event)
0140 C.
0141 C.
0142 . C. ***** ŸDŸ¹.Ī Daily±;îÑñĒ'Ÿñ¹ñēDCBC•x²è *****
0143 . S. DC-BC dcbc-153:DCBC
0144 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0145 C.
0146 C.
0147 . C. ;ãLOSŸĀŸSŸĀŸ-¼Ā»Ū;ã
0148 C.
0149 . C. ***** LOS *****
0150 C.
```

*** OP Sequence for XRT ***

2014/12/13	12:16:00.0	XRT_CTRL_MANU_426_OG [0x1aa]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/13	12:16:10.0	XRT_FOCUS_RECALIBRATE_445_OG [0x1bd]					
		XRT_FOCUS_RECAL	2	07-F8	78	00	
2014/12/13	12:20:10.0	XRT_FOCUS_POSITION_410_OG [0x19a]					
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97 00
2014/12/13	12:24:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/13	12:24:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/13	12:24:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]					
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97 00
2014/12/13	12:25:00.0	AOCS_Ore-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	00	06	c0 b2 67
2014/12/13	12:25:18.0	XRT_FLD_ENA_411_OG [0x19b]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2014/12/13	12:25:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2014/12/13	12:25:22.0	XRT_AEC_RESET_413_OG [0x19d]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2014/12/13	12:25:24.0	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2014/12/13	12:25:26.0	XRT_FLD_RESET_407_OG [0x197]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2014/12/13	12:27:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	07	
2014/12/13	12:27:58.0	XRT_FL_PROG_SET_401_OG [0x191]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	13	
2014/12/13	12:28:00.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2014/12/13	14:23:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/13	14:23:02.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/13	14:23:04.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2014/12/13	14:23:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2014/12/13	14:24:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/13	14:24:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/13	14:24:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]					
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97 00
2014/12/13	14:25:00.0	AOCS_Ore-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	01	00	00 00 00
2014/12/13	14:25:18.0	XRT_FLD_ENA_411_OG [0x19b]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2014/12/13	14:25:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2014/12/13	14:25:22.0	XRT_AEC_RESET_413_OG [0x19d]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2014/12/13	14:25:24.0	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2014/12/13	14:25:26.0	XRT_FLD_RESET_407_OG [0x197]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2014/12/13	14:26:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2014/12/13	14:27:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	07	
2014/12/13	14:27:58.0	XRT_FL_PROG_SET_401_OG [0x191]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	13	
2014/12/13	14:32:30.0	XRT_Custom_430_OG [0x1ae]					
2014/12/13	14:33:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2014/12/13	15:57:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/13	15:57:02.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/13	15:57:04.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2014/12/13	15:57:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2014/12/13	15:59:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/13	15:59:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/13	15:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]					
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97 00
2014/12/13	16:00:00.0	AOCS_Ore-point_Start_3_OG [0x099]					
		AOCU_NM	5	02-76	02	01	58 02 24
2014/12/13	16:00:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2014/12/13	16:00:18.0	XRT_FLD_ENA_411_OG [0x19b]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2014/12/13	16:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2014/12/13	16:00:22.0	XRT_AEC_RESET_413_OG [0x19d]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2014/12/13	16:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		

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2014/12/13	16:00:26.0	XRT_FLD_RESET_407_OG [0x197]	MDP_XRT_FLD_RESET	1	07-F0	da
2014/12/13	16:02:56.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f
2014/12/13	16:02:58.0	XRT_FL_PROG_SET_401_OG [0x191]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 13
2014/12/13	16:20:30.0	XRT_Custom_430_OG [0x1ae]				
2014/12/13	16:21:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/12/13	17:34:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/13	17:34:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/13	17:34:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2014/12/13	17:34:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2014/12/13	17:37:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2014/12/13	17:57:30.0	XRT_Custom_430_OG [0x1ae]				
2014/12/13	17:58:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/12/13	18:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/13	18:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/13	18:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2014/12/13	19:00:00.0	AOCS_OrE-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 00 00 00 00
2014/12/13	19:00:18.0	XRT_FLD_DIS_422_OG [0x1a6]	MDP_XRT_FLD_DIS	1	07-F0	d9
2014/12/13	19:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2014/12/13	19:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2014/12/13	19:02:58.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e
2014/12/13	19:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/12/13	19:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/13	19:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/13	19:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2014/12/13	19:10:00.0	AOCS_OrE-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	01 01 58 02 24
2014/12/13	19:10:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2014/12/13	19:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2014/12/13	19:10:22.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0
2014/12/13	19:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2014/12/13	19:10:26.0	XRT_FLD_RESET_407_OG [0x197]	MDP_XRT_FLD_RESET	1	07-F0	da
2014/12/13	19:11:01.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/13	19:11:03.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/13	19:11:05.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2014/12/13	19:11:07.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2014/12/13	19:12:56.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2014/12/13	19:12:58.0	XRT_FL_PROG_SET_401_OG [0x191]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 13
2014/12/13	19:14:15.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2014/12/13	19:34:01.0	XRT_Custom_430_OG [0x1ae]				
2014/12/13	19:35:01.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/12/13	20:48:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/13	20:48:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/13	20:48:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2014/12/13	20:48:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2014/12/13	20:51:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2014/12/13	21:11:30.0	XRT_Custom_430_OG [0x1ae]				
2014/12/13	21:12:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/12/13	22:25:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/13	22:25:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/13	22:25:34.0	XRT_FLD_RESET_415_OG [0x19f]				

2014/12/13	22:25:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da	
2014/12/13	22:28:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2014/12/13	22:46:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/12/13	22:47:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/12/14	00:02:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/12/14	00:02:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/12/14	00:02:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2014/12/14	00:02:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2014/12/14	00:05:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/12/14	00:11:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/12/14	00:12:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/12/14	01:27:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/12/14	01:27:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_FLD_RESET	1	07-F0	da	
2014/12/14	01:27:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2014/12/14	01:27:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/12/14	01:30:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/12/14	01:45:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/12/14	01:46:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/12/14	03:01:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/12/14	03:01:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_FLD_RESET	1	07-F0	da	
2014/12/14	03:01:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2014/12/14	03:01:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/12/14	03:04:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/12/14	03:22:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/12/14	03:23:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/12/14	04:31:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/12/14	04:31:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_FLD_RESET	1	07-F0	da	
2014/12/14	04:31:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2014/12/14	04:31:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/12/14	04:34:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2014/12/14	04:59:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/12/14	05:00:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/12/14	05:43:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/12/14	05:43:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/12/14	05:43:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2014/12/14	05:44:00.0	AOCS_Ore-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 00 00 00 00	
2014/12/14	05:44:18.0	XRT_FLD_DIS_422_OG [0x1a6]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2014/12/14	05:46:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2014/12/14	05:46:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2014/12/14	05:46:58.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03	
2014/12/14	05:47:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2014/12/14	05:53:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/12/14	05:53:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2014/12/14	05:53:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2014/12/14	05:54:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	01 00 00 00 00	
2014/12/14	05:54:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2014/12/14	05:54:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2014/12/14	05:54:22.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2014/12/14	05:54:24.0	XRT_ARS_DIS_423_OG [0x1a7]					

2014/12/14	05:54:26.0	XRT_FLD_RESET_407_OG [0x197]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2014/12/14	05:56:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_FLD_RESET	1	07-F0	da		
2014/12/14	05:56:58.0	XRT_FL_PROG_SET_401_OG [0x191]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	07	
2014/12/14	05:57:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	13	
2014/12/14	06:12:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2014/12/14	06:12:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/14	06:12:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/14	06:12:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da		
2014/12/14	06:15:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2014/12/14	06:29:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2014/12/14	06:29:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/14	06:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/14	06:30:00.0	AOCS_Ore-point_Start_6_OG [0x09c]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00	
2014/12/14	06:30:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	04	00 00 01 68	
2014/12/14	06:30:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2014/12/14	06:30:22.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2014/12/14	06:30:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2014/12/14	06:30:26.0	XRT_FLD_RESET_407_OG [0x197]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2014/12/14	06:32:56.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_FLD_RESET	1	07-F0	da		
2014/12/14	06:32:58.0	XRT_FL_PROG_SET_401_OG [0x191]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f	
2014/12/14	06:37:00.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	13	
2014/12/14	06:38:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00	
2014/12/14	07:04:54.0	XRT_CTRL_MANU_402_OG [0x192]	AOCU_NM	5	02-76	04	00 00 00 fe 98	
2014/12/14	07:04:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2014/12/14	07:04:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/14	07:04:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/14	07:05:00.0	AOCS_Ore-point_Start_7_OG [0x09d]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00	
2014/12/14	07:05:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	04	00 00 00 fe 98	
2014/12/14	07:05:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2014/12/14	07:05:22.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2014/12/14	07:05:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2014/12/14	07:05:26.0	XRT_FLD_RESET_407_OG [0x197]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2014/12/14	07:07:56.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_FLD_RESET	1	07-F0	da		
2014/12/14	07:07:58.0	XRT_FL_PROG_SET_401_OG [0x191]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f	
2014/12/14	07:08:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	13	
2014/12/14	07:39:54.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00	
2014/12/14	07:39:56.0	XRT_CTRL_MANU_402_OG [0x192]	AOCU_NM	5	02-76	01	00 00 00 00 00	
2014/12/14	07:39:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2014/12/14	07:40:00.0	AOCS_Ore-point_Start_2_OG [0x098]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/14	07:40:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/14	07:40:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00	
2014/12/14	07:40:22.0	XRT_AEC_RESET_413_OG [0x19d]	AOCU_NM	5	02-76	01	00 00 00 00 00	
2014/12/14	07:40:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2014/12/14	07:40:26.0	XRT_FLD_RESET_407_OG [0x197]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2014/12/14	07:42:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_FLD_RESET	1	07-F0	da		
2014/12/14	07:42:58.0	XRT_FL_PROG_SET_401_OG [0x191]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	07	
2014/12/14	07:43:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	13	
2014/12/14	07:52:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		

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2014/12/14	07:52:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	07:52:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	07:52:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da			
2014/12/14	07:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2014/12/14	08:14:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2014/12/14	08:15:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]						
2014/12/14	09:32:00.0	XRT_CTRL_MANU_400_OG [0x190]	XRT_CTRL_AUTO_424_OG [0x1a8]						
2014/12/14	09:32:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/12/14	09:32:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	09:32:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	09:35:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_FLD_RESET	1	07-F0	da			
2014/12/14	09:48:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2014/12/14	09:49:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2014/12/14	14:57:00.0	XRT_CTRL_MANU_400_OG [0x190]	XRT_Custom_430_OG [0x1ae]						
2014/12/14	14:57:02.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_CTRL_AUTO_424_OG [0x1a8]						
2014/12/14	14:57:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/12/14	14:57:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	15:00:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	15:10:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_FLD_RESET	1	07-F0	da			
2014/12/14	15:11:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2014/12/14	15:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2014/12/14	15:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_Custom_430_OG [0x1ae]						
2014/12/14	15:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_CTRL_AUTO_424_OG [0x1a8]						
2014/12/14	16:00:00.0	AOCS_Ore-point_Start_8_OG [0x09e]	XRT_CTRL_AUTO	1	07-F0	c0			
2014/12/14	16:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/12/14	16:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	16:00:22.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	16:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2014/12/14	16:00:26.0	XRT_FLD_RESET_407_OG [0x197]	AOCU_NM	5	02-76	00 eb 34 e3 a6			
2014/12/14	16:02:56.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2014/12/14	16:02:58.0	XRT_FL_PROG_SET_401_OG [0x191]	MDP_XRT_FLD_RESET	1	07-F0	da			
2014/12/14	16:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2014/12/14	16:32:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2014/12/14	16:32:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_FLD_RESET	1	07-F0	da			
2014/12/14	16:32:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f			
2014/12/14	16:32:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 13			
2014/12/14	16:32:36.0	XRT_PREFLR_STOP_419_OG [0x1a3]	XRT_CTRL_AUTO_408_OG [0x198]						
2014/12/14	16:35:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/12/14	16:56:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	16:57:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	18:09:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_FLD_RESET	1	07-F0	da			
2014/12/14	18:09:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2014/12/14	18:09:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2014/12/14	18:09:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	XRT_Custom_430_OG [0x1ae]						
2014/12/14	18:12:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	XRT_CTRL_AUTO_424_OG [0x1a8]						
2014/12/14	18:33:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/12/14	18:34:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	18:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	18:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_FLD_RESET	1	07-F0	da			
2014/12/14	18:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2014/12/14	18:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			

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2014/12/14	19:00:00.0	AOCS_ORe-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
		AOCU_NM		5	02-76	00	00	00	00
2014/12/14	19:00:18.0	XRT_FLD_DIS_422_OG [0x1a6]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2014/12/14	19:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2014/12/14	19:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2014/12/14	19:02:58.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03		
2014/12/14	19:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/12/14	19:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	19:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	19:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2014/12/14	19:10:00.0	AOCS_ORe-point_Start_9_OG [0x09f]	AOCU_NM	5	02-76	00	39	3f	00
2014/12/14	19:10:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2014/12/14	19:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2014/12/14	19:10:22.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2014/12/14	19:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2014/12/14	19:10:26.0	XRT_FLD_RESET_407_OG [0x197]	MDP_XRT_FLD_RESET	1	07-F0	da			
2014/12/14	19:12:56.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f		
2014/12/14	19:12:58.0	XRT_FL_PROG_SET_401_OG [0x191]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	13		
2014/12/14	19:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/12/14	19:46:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	19:46:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	19:46:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2014/12/14	19:46:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2014/12/14	19:49:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2014/12/14	20:10:01.0	XRT_Custom_430_OG [0x1ae]							
2014/12/14	20:11:01.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/12/14	20:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	20:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	20:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2014/12/14	21:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	01	00	00	00
2014/12/14	21:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2014/12/14	21:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2014/12/14	21:00:22.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2014/12/14	21:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2014/12/14	21:00:26.0	XRT_FLD_RESET_407_OG [0x197]	MDP_XRT_FLD_RESET	1	07-F0	da			
2014/12/14	21:02:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	07		
2014/12/14	21:02:58.0	XRT_FL_PROG_SET_401_OG [0x191]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	13		
2014/12/14	21:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/12/14	21:24:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	21:24:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	21:24:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2014/12/14	21:24:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2014/12/14	21:27:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2014/12/14	21:46:30.0	XRT_Custom_430_OG [0x1ae]							
2014/12/14	21:47:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2014/12/14	23:01:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	23:01:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2014/12/14	23:01:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			

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2014/12/14	23:01:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2014/12/14	23:04:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2014/12/14	23:19:00.0	XRT_Custom_430_OG [0x1ae]						
2014/12/14	23:20:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2014/12/15	00:37:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/15	00:37:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/15	00:37:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2014/12/15	00:37:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2014/12/15	00:40:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2014/12/15	00:45:00.0	XRT_Custom_430_OG [0x1ae]						
2014/12/15	00:46:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2014/12/15	02:01:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/15	02:01:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/15	02:01:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2014/12/15	02:01:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2014/12/15	02:04:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2014/12/15	02:21:00.0	XRT_Custom_430_OG [0x1ae]						
2014/12/15	02:22:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2014/12/15	03:31:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/15	03:31:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/15	03:31:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2014/12/15	03:31:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2014/12/15	03:34:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2014/12/15	03:58:00.5	XRT_Custom_430_OG [0x1ae]						
2014/12/15	03:59:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2014/12/15	05:08:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/15	05:08:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/15	05:08:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2014/12/15	05:08:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2014/12/15	05:11:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2014/12/15	05:35:30.5	XRT_Custom_430_OG [0x1ae]						
2014/12/15	05:36:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2014/12/15	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/15	05:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/15	05:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2014/12/15	06:00:00.0	AOCS_Ore-point_Start_4_OG [0x09a]	AOCS_NM	5	02-76	00 00 00 00 00		
2014/12/15	06:00:18.0	XRT_FLD_DIS_422_OG [0x1a6]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2014/12/15	06:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2014/12/15	06:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2014/12/15	06:02:58.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03		
2014/12/15	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2014/12/15	06:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/15	06:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2014/12/15	06:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2014/12/15	06:10:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCS_NM	5	02-76	01 00 00 00 00		
2014/12/15	06:10:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2014/12/15	06:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2014/12/15	06:10:22.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2014/12/15	06:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		

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2014/12/15	06:10:26.0	XRT_FLD_RESET_407_OG [0x197]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2014/12/15	06:12:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	07			
2014/12/15	06:12:58.0	XRT_FL_PROG_SET_401_OG [0x191]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	13			
2014/12/15	06:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2014/12/15	06:48:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	06:48:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	06:48:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2014/12/15	06:48:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2014/12/15	06:51:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2014/12/15	07:13:00.0	XRT_Custom_430_OG [0x1ae]							
2014/12/15	07:14:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2014/12/15	08:28:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	08:28:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	08:28:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2014/12/15	08:28:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2014/12/15	08:31:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2014/12/15	08:49:30.0	XRT_Custom_430_OG [0x1ae]							
2014/12/15	08:50:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2014/12/15	10:09:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	10:09:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	10:09:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2014/12/15	10:09:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2014/12/15	10:12:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2014/12/15	10:20:30.0	XRT_Custom_430_OG [0x1ae]							
2014/12/15	10:21:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2014/12/15	14:00:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	14:00:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	14:00:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2014/12/15	14:00:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2014/12/15	14:03:00.0	XRT_Custom_430_OG [0x1ae]							
2014/12/15	14:03:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2014/12/15	14:04:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2014/12/15	15:32:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	15:32:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	15:32:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2014/12/15	15:32:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2014/12/15	15:35:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2014/12/15	15:55:00.0	XRT_Custom_430_OG [0x1ae]							
2014/12/15	15:56:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2014/12/15	15:59:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	15:59:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	15:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2014/12/15	16:00:00.0	AOCS_OrE-point_Start_10_OG [0x0a0]							
		AOCU_NM	5	02-76	03	01	58	02	24
2014/12/15	16:00:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2014/12/15	16:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2014/12/15	16:00:22.0	XRT_AEC_RESET_413_OG [0x19d]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2014/12/15	16:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2014/12/15	16:00:26.0	XRT_FLD_RESET_407_OG [0x197]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2014/12/15	16:02:56.0	XRT_QT_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0a			

2014/12/15	16:02:58.0	XRT_FL_PROG_SET_401_OG [0x191]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	13			
2014/12/15	16:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2014/12/15	17:08:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	17:08:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	17:08:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2014/12/15	17:08:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2014/12/15	17:11:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2014/12/15	17:32:00.0	XRT_Custom_430_OG [0x1ae]							
2014/12/15	17:33:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2014/12/15	18:45:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	18:45:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	18:45:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2014/12/15	18:45:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2014/12/15	18:48:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2014/12/15	19:08:30.0	XRT_Custom_430_OG [0x1ae]							
2014/12/15	19:09:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2014/12/15	19:09:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	19:09:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	19:09:58.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2014/12/15	19:10:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00	00	00	00	00
2014/12/15	19:10:18.0	XRT_FLD_DIS_422_OG [0x1a6]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2014/12/15	19:12:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2014/12/15	19:12:56.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2014/12/15	19:12:58.0	XRT_QT_PROG_SET_438_OG [0x1b6]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2014/12/15	19:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2014/12/15	19:19:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	19:19:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	19:19:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2014/12/15	19:20:00.0	AOCS_ORe-point_Start_11_OG [0x0a1]							
		AOCU_NM	5	02-76	00	34	41	ee	da
2014/12/15	19:20:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2014/12/15	19:20:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2014/12/15	19:20:22.0	XRT_AEC_RESET_413_OG [0x19d]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2014/12/15	19:20:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2014/12/15	19:20:26.0	XRT_FLD_RESET_407_OG [0x197]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2014/12/15	19:22:56.0	XRT_QT_PROG_SET_416_OG [0x1a0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f			
2014/12/15	19:22:58.0	XRT_FL_PROG_SET_401_OG [0x191]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	13			
2014/12/15	19:23:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2014/12/15	20:22:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	20:22:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	20:22:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2014/12/15	20:22:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2014/12/15	20:25:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2014/12/15	20:46:00.0	XRT_Custom_430_OG [0x1ae]							
2014/12/15	20:47:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2014/12/15	20:59:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	20:59:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2014/12/15	20:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2014/12/15	21:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	01	00	00	00	00

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2014/12/15	21:00:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2014/12/15	21:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2014/12/15	21:00:22.0	XRT_AEC_RESET_413_OG [0x19d]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2014/12/15	21:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2014/12/15	21:00:26.0	XRT_FLD_RESET_407_OG [0x197]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2014/12/15	21:02:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07
2014/12/15	21:02:58.0	XRT_FL_PROG_SET_401_OG [0x191]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 13
2014/12/15	21:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/12/15	21:59:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/15	21:59:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/15	21:59:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2014/12/15	21:59:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2014/12/15	22:02:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2014/12/15	22:21:30.0	XRT_Custom_430_OG [0x1ae]			
2014/12/15	22:22:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/12/15	23:37:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/15	23:37:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/15	23:37:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2014/12/15	23:37:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2014/12/15	23:40:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2014/12/15	23:48:00.0	XRT_Custom_430_OG [0x1ae]			
2014/12/15	23:49:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/12/16	01:03:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/16	01:03:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/16	01:03:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2014/12/16	01:03:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2014/12/16	01:06:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2014/12/16	01:20:00.0	XRT_Custom_430_OG [0x1ae]			
2014/12/16	01:21:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/12/16	02:36:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/16	02:36:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/16	02:36:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2014/12/16	02:36:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2014/12/16	02:39:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2014/12/16	02:56:30.0	XRT_Custom_430_OG [0x1ae]			
2014/12/16	02:57:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/12/16	04:05:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/16	04:05:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/16	04:05:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2014/12/16	04:05:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2014/12/16	04:08:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2014/12/16	04:34:00.0	XRT_Custom_430_OG [0x1ae]			
2014/12/16	04:35:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/12/16	05:45:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/16	05:45:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/16	05:45:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2014/12/16	05:45:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2014/12/16	05:48:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2014/12/16	06:11:30.0	XRT_Custom_430_OG [0x1ae]			
2014/12/16	06:12:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			

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2014/12/16	06:21:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/12/16	06:21:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/16	06:21:28.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/16	06:21:30.0	AOCS_ORe-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2014/12/16	06:21:48.0	XRT_FLD_DIS_422_OG [0x1a6]	AOCU_NM	5	02-76	00 00 00 00 00
2014/12/16	06:24:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9
2014/12/16	06:24:26.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2014/12/16	06:24:28.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_ARS_DIS	1	07-F0	d5
2014/12/16	06:24:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03
2014/12/16	06:31:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/12/16	06:31:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/16	06:31:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/16	06:31:30.0	AOCS_ORe-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2014/12/16	06:31:48.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	01 00 00 00 00
2014/12/16	06:31:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2014/12/16	06:31:52.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2014/12/16	06:31:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2014/12/16	06:31:56.0	XRT_FLD_RESET_407_OG [0x197]	MDP_XRT_ARS_DIS	1	07-F0	d5
2014/12/16	06:34:26.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_FLD_RESET	1	07-F0	da
2014/12/16	06:34:28.0	XRT_FL_PROG_SET_401_OG [0x191]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 07
2014/12/16	06:34:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 13
2014/12/16	07:25:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/12/16	07:25:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/16	07:25:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/16	07:25:36.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da
2014/12/16	07:28:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2014/12/16	07:48:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2014/12/16	07:49:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2014/12/16	09:05:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/12/16	09:05:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/16	09:05:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2014/12/16	09:05:06.0	XRT_PREFLR_STRT_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da
2014/12/16	09:08:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2014/12/16	09:24:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2014/12/16	09:25:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2014/12/16	10:58:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2014/12/16	10:59:00.0	AOCS_ORe-point_Start_4_OG [0x09a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
		AOCU_NM		5	02-76	00 00 00 00 00