

# XRT Timeline to be uploaded on 2013/12/19

Period: 2013/12/19 09:13:00 - 2013/12/24 10:38:00

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Normal mode

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## XOB #19E6: 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
12/19 09:26:00 - 12/19 18:05:54	Fixed ( 905.0, -292.8)	# OP start + 10min   Fixed pointing at the SW limb, after Trk1
12/21 02:15:00 - 12/21 03:59:54	Track ( 906.7, 116.0) @ 12/21 02:00:00	HOP173 AR 11921

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	8-time(s)	270.0sec										
	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 #19DA: Synoptic Q95 2x2 - Al/mesh(5/128/723) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Ti-poly(24/362/1443) + Thin

Term	Pointing (x, y)	Comment
12/19 18:09:00 - 12/19 18:15:54	Fixed ( 0.0, 0.0)	synoptic, shifted 6.0 min
12/20 04:03:00 - 12/20 04:09:54	Fixed ( 0.0, 0.0)	synoptic, shifted -23.5 min
12/21 04:03:00 - 12/21 04:09:54	Fixed ( 0.0, 0.0)	synoptic

PROG= 17 1-time(s)													
Subr=	1	1-time(s)	12.0sec										
Seqn=	84	1-time(s)	4.0sec										
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	5ms	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	707ms	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=	86	1-time(s)	4.0sec										
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	24ms	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	1.41s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn=	95	1-time(s)	2.0sec										
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	63ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	2.83s	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	

## XOB #19E5: 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
12/19 18:19:00 - 12/20 01:59:54	Track ( 195.8, -255.6) @ 12/19 18:16:00	# Track AR 11928
12/20 18:27:00 - 12/21 01:54:30	Track ( 397.1, -255.5) @ 12/20 17:59:00	# Track AR 11928
12/21 04:13:00 - 12/21 10:02:54	Track ( 477.8, -255.9) @ 12/21 04:10:00	# HOP173 (until 6UT) AR 11928

PROG= 08 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
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

<b>Seqn= 62 8-time(s) 240.0sec</b>												
Filter	Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	
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	

<b>XOB #19BE: CME watch - C/poly - 384x384- 120s - Be/thin - 2x2 - 1024x1024 - 20min - AEC2</b>												
Term			Pointing (x, y)					Comment				
12/20 02:03:00 - 12/20 03:59:54			Fixed ( -650.0, -730.0)					HOP173 SE prominence campaign				
<b>PROG= 12 Inf.-time(s)</b>												
<b>Subr= 1 1-time(s) 2.0sec</b>												
<b>Seqn= 53 1-time(s) 30.0sec</b>												
thin-Be/Open	thin-Be/Open	close	Safe	Norm	5.66s	Obs	2x2	1024x1024 (1024, 1024)	DPCM	2	0	2.0sec
<b>Subr= 2 10-time(s) 2.0sec</b>												
<b>Seqn= 54 1-time(s) 120.0sec</b>												
C-poly/Open	C-poly/Open	close	Safe	Norm	4.00s	Obs	1x1	384x384 (1024, 1024)	DPCM	2	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

<b>XOB #19E3: 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)</b>												
Term			Pointing (x, y)					Comment				
12/20 04:13:00 - 12/20 17:38:54			Track ( 281.7, -255.4) @ 12/20 04:10:00					# HOP173 (until 6UT) AR 11928 observation				
<b>PROG= 11 Inf.-time(s)</b>												
<b>Subr= 1 1-time(s) 2.0sec</b>												
<b>Seqn= 8 2-time(s) 2.0sec</b>												
Open/G-band	Open/G-band	close	Safe	Norm	44ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
<b>Subr= 2 2-time(s) 2.0sec</b>												
<b>Seqn= 24 1-time(s) 2.0sec</b>												
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
<b>Seqn= 42 4-time(s) 2.0sec</b>												
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
<b>Seqn= 62 15-time(s) 120.0sec</b>												
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	

<b>XOB #19DC: Synoptic 9 Filter w/ Triplet Exposures - 2x2 Q98 - Gband(8ms)</b>												
Term			Pointing (x, y)					Comment				
12/20 17:42:00 - 12/20 17:58:54			Fixed ( 0.0, 0.0)					synoptic, shifted -21.0 min + FG phase diversity test				
<b>PROG= 16 1-time(s)</b>												
<b>Subr= 1 1-time(s) 12.0sec</b>												
<b>Seqn= 84 1-time(s) 4.0sec</b>												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	5ms	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	707ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
<b>Seqn= 5 1-time(s) 2.0sec</b>												
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	8x8	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	2048x512 (1024, 1024)	DPCM	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	512x2048 (1024, 1024)	DPCM	0	0	2.0sec
<b>Seqn= 86 1-time(s) 4.0sec</b>												
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	24ms	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	1.41s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
<b>Seqn= 95 1-time(s) 2.0sec</b>												
thin-Be/Open	thin-Be/Open	close	Safe	Norm	63ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
<b>Seqn= 6 1-time(s) 2.0sec</b>												
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
<b>Subr= 2 2-time(s) 12.0sec</b>												
<b>Seqn= 56 1-time(s) 2.0sec</b>												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	63ms	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
<b>Seqn= 22 1-time(s) 2.0sec</b>												
C-poly/Open	C-poly/Open	close	Safe	Norm	177ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

└─┬─	C-poly/Open	C-poly/Open	close	Safe	Norm	1.41s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─┬─	Seqn= 43	1-time(s)	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= 38	1-time(s)	4.0sec										
└─┬─	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	

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### Flare mode

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#### XOB #1980: Flare obs. dynamics - thin-Be high cadence + context (med-Al,thick-Be -384x384 + Al-poly 512x512 2x2)-Gband (45ms)-15 loops-2

Term	Pointing (x, y)	Comment
12/19 09:26:00 - 12/19 18:05:54	Fixed ( 905.0, -292.8)	# OP start + 10min   Fixed pointing at the SW limb, after Trk1
12/19 18:19:00 - 12/20 01:59:54	Track ( 195.8, -255.6) <sup>Ⓜ 12/19 18:16:00</sup>	# Track AR 11928
12/20 02:03:00 - 12/20 03:59:54	Fixed ( -650.0, -730.0)	HOP173 SE prominence campaign
12/20 04:13:00 - 12/20 17:38:54	Track ( 281.7, -255.4) <sup>Ⓜ 12/20 04:10:00</sup>	# HOP173 (until 6UT) AR 11928 observation
12/20 18:27:00 - 12/21 01:54:30	Track ( 397.1, -255.5) <sup>Ⓜ 12/20 17:59:00</sup>	# Track AR 11928
12/21 02:15:00 - 12/21 03:59:54	Track ( 906.7, 116.0) <sup>Ⓜ 12/21 02:00:00</sup>	HOP173 AR 11921
12/21 04:13:00 - 12/21 10:02:54	Track ( 477.8, -255.9) <sup>Ⓜ 12/21 04:10:00</sup>	# HOP173 (until 6UT) AR 11928
<b>PROG= 19</b>	<b>15-time(s)</b>	
└─┬─	Subr= 1	45-time(s) 10.0sec
└─┬─	Seqn= 9	1-time(s) 2.0sec
└─┬─	thin-Be/Open	med-Be/Open close Safe Norm 250ms Obs 1x1 384x384 (1024, 1024) Q=95 3 0 2.0sec
└─┬─	Subr= 2	1-time(s) 10.0sec
└─┬─	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

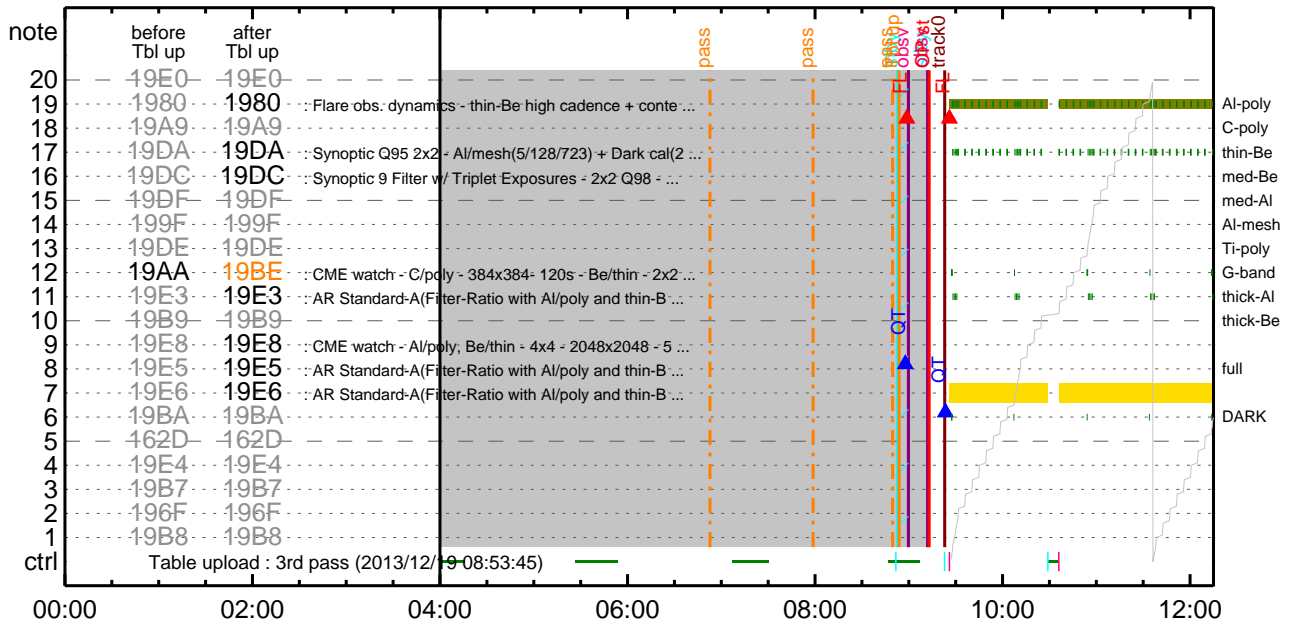
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### Flare Detection

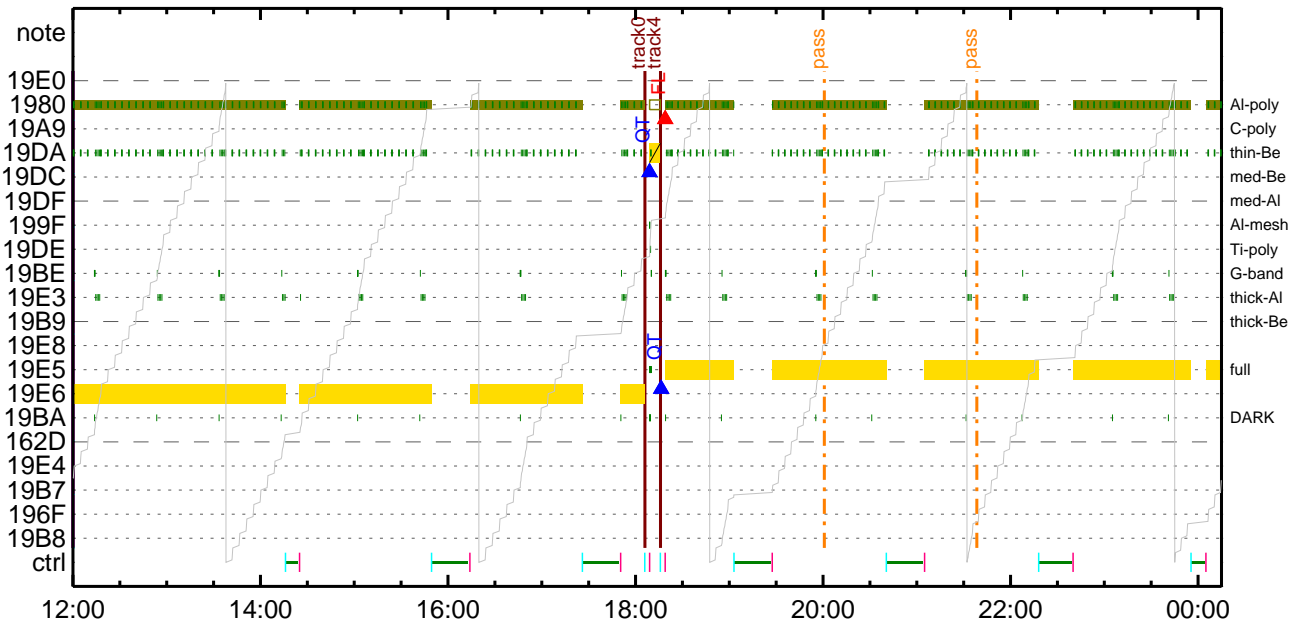
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FLD Patrol												
Term	Pointing (x, y)	Comment										
12/19 18:16:16 - 12/20 04:00:16	Track ( 195.8, -255.6) <sup>Ⓜ 12/19 18:16:00</sup>	# Track AR 11928										
12/20 04:10:16 - 12/20 17:39:16	Track ( 281.7, -255.4) <sup>Ⓜ 12/20 04:10:00</sup>	# HOP173 (until 6UT) AR 11928 observation										
12/20 17:59:16 - 12/21 04:00:16	Track ( 397.1, -255.5) <sup>Ⓜ 12/20 17:59:00</sup>	# Track AR 11928										
12/21 04:10:16 - 12/24 10:38:00	Track ( 477.8, -255.9) <sup>Ⓜ 12/21 04:10:00</sup>	# HOP173 (until 6UT) AR 11928										
	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										

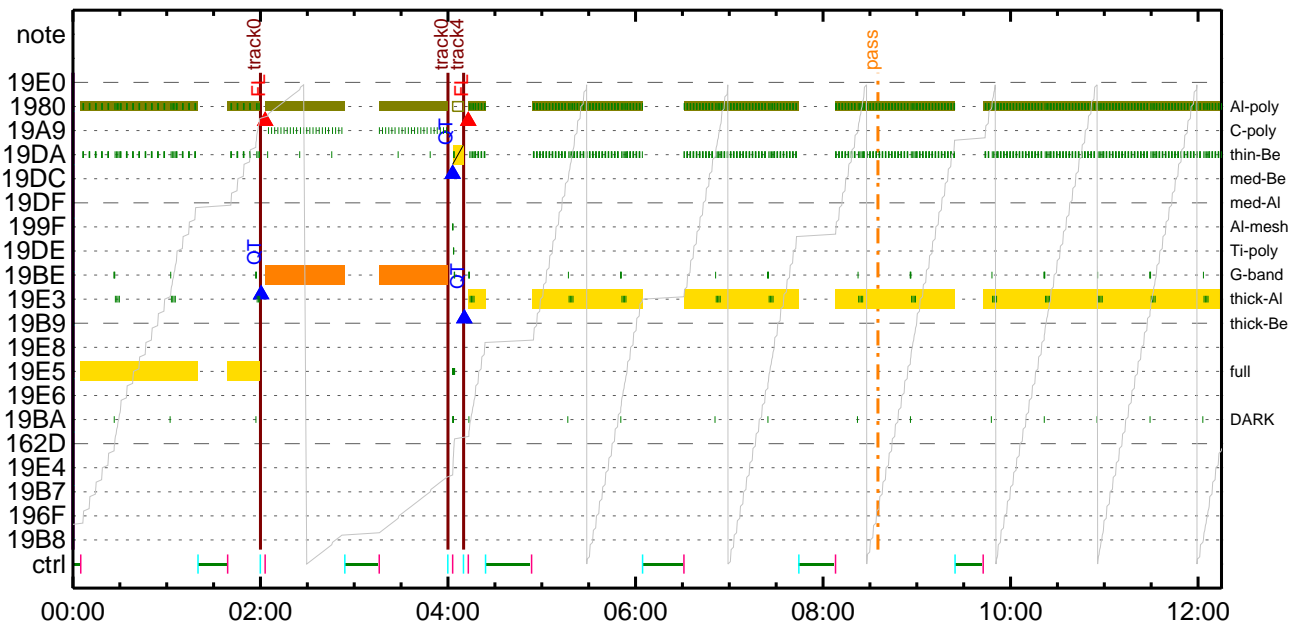
### CMDI #0984 2013/12/19



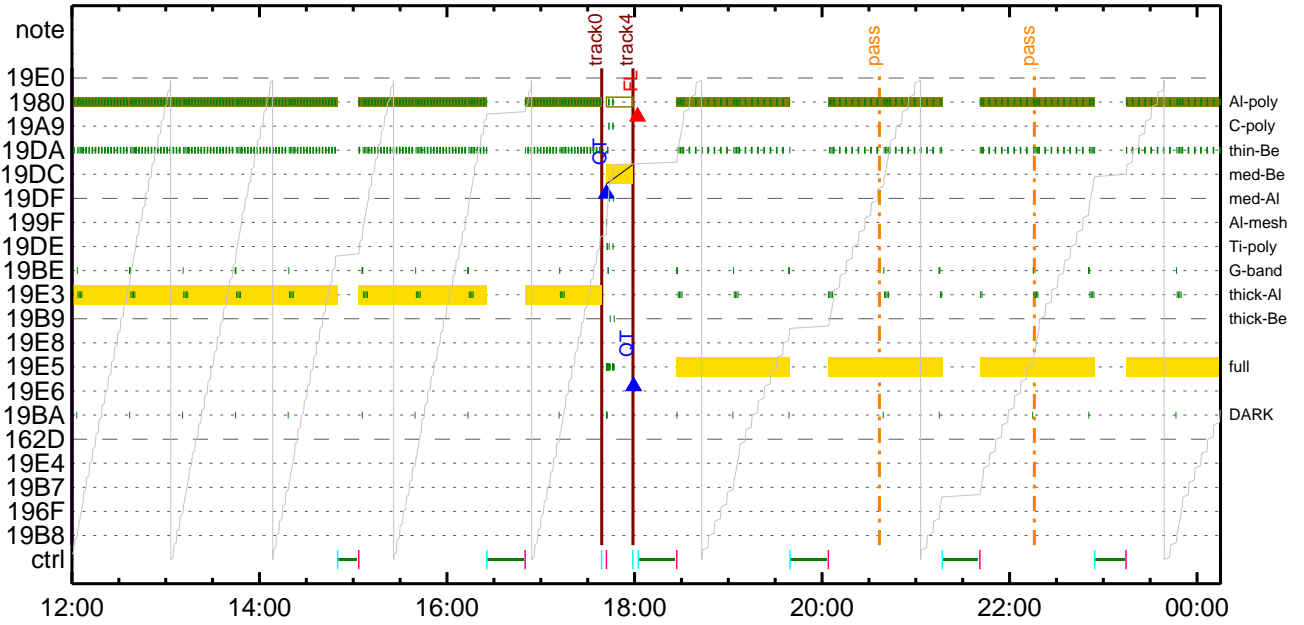
### CMDI #0984 2013/12/19



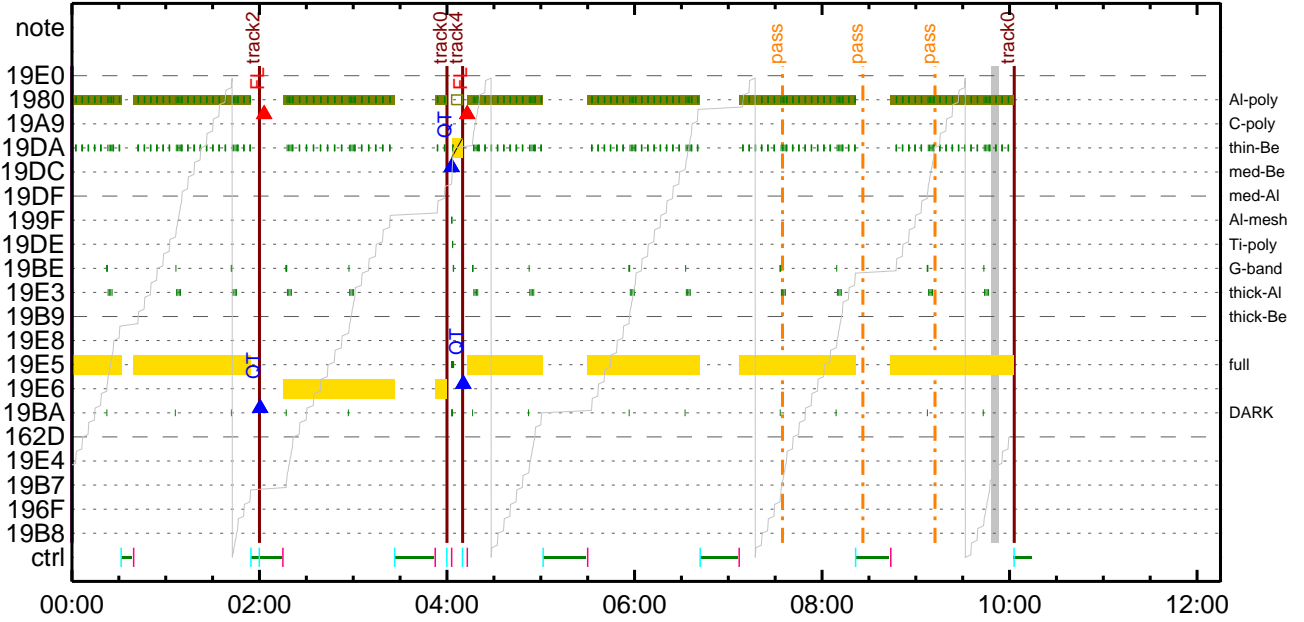
### CMDI #0984 2013/12/20



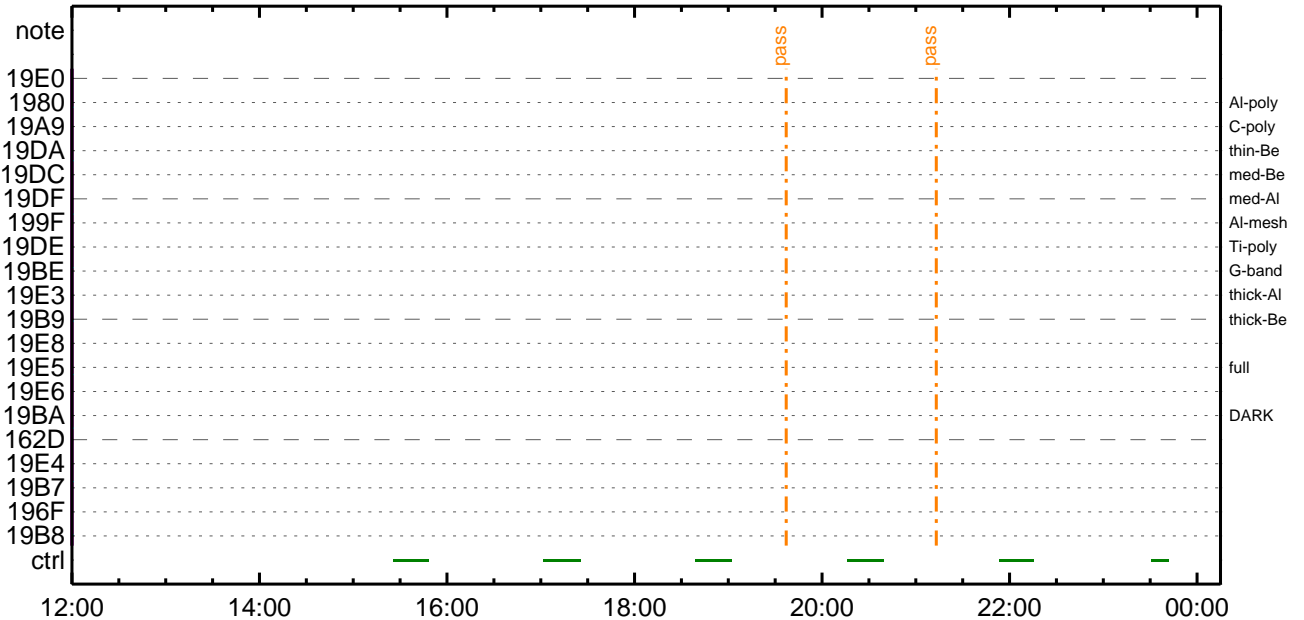
CMDI #0984 2013/12/20



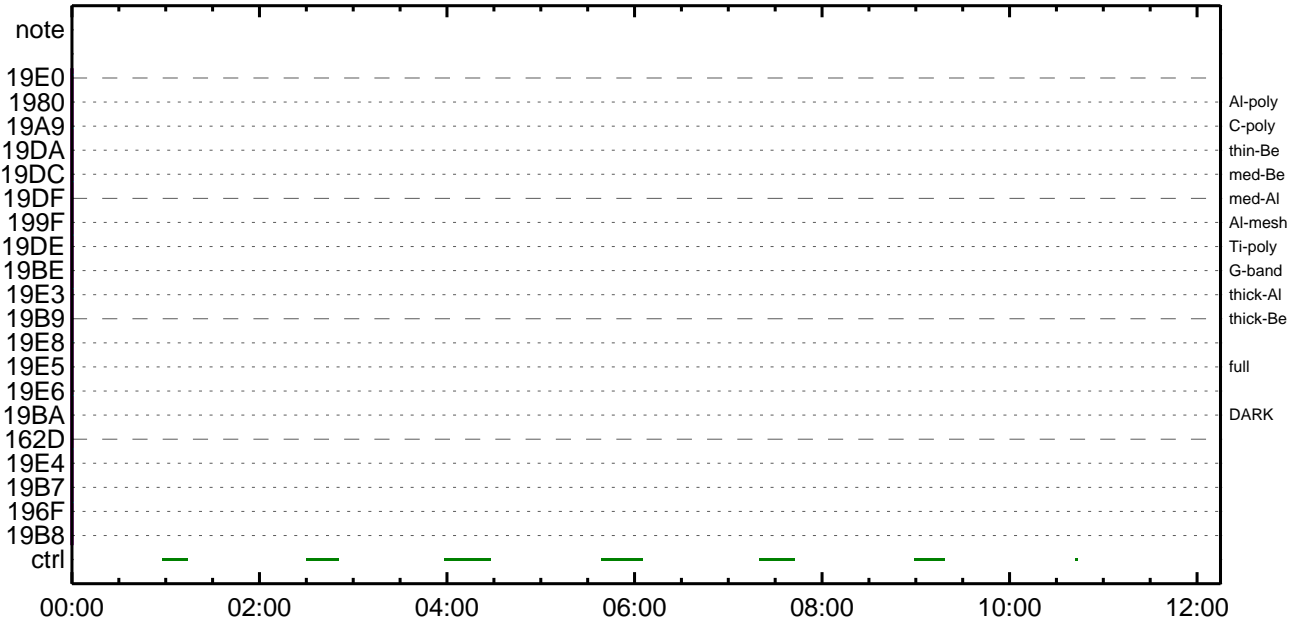
CMDI #0984 2013/12/21



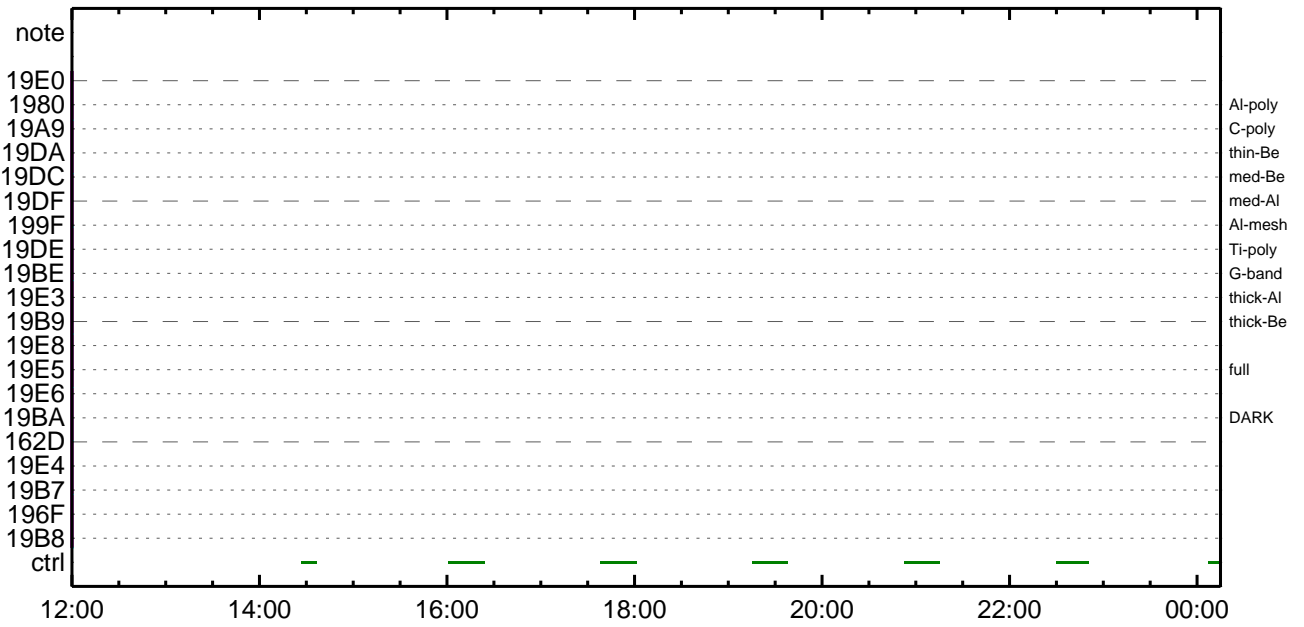
CMDI #0984 2013/12/21



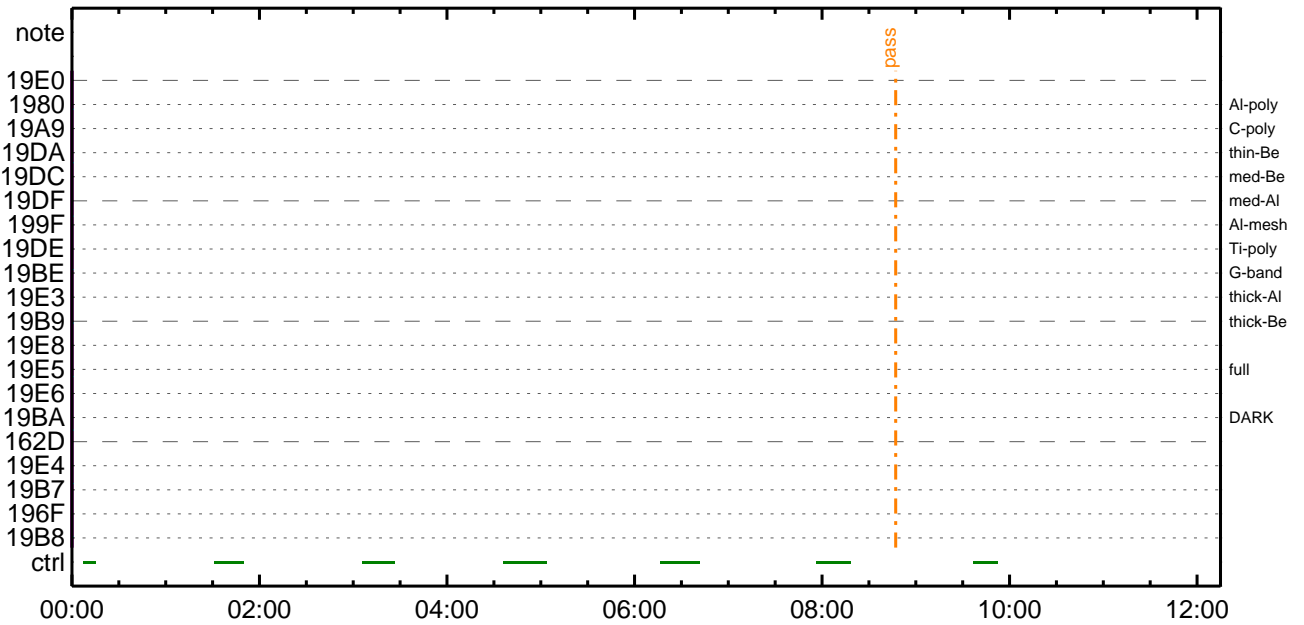
CMDI #0984 2013/12/22



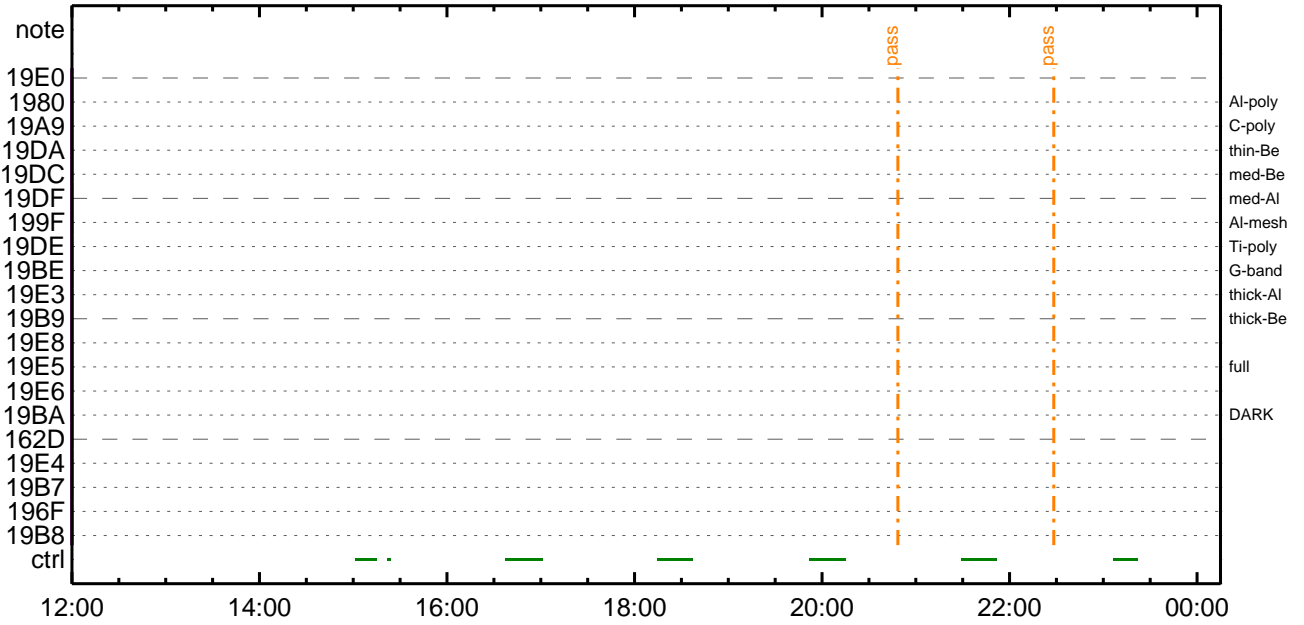
CMDI #0984 2013/12/22



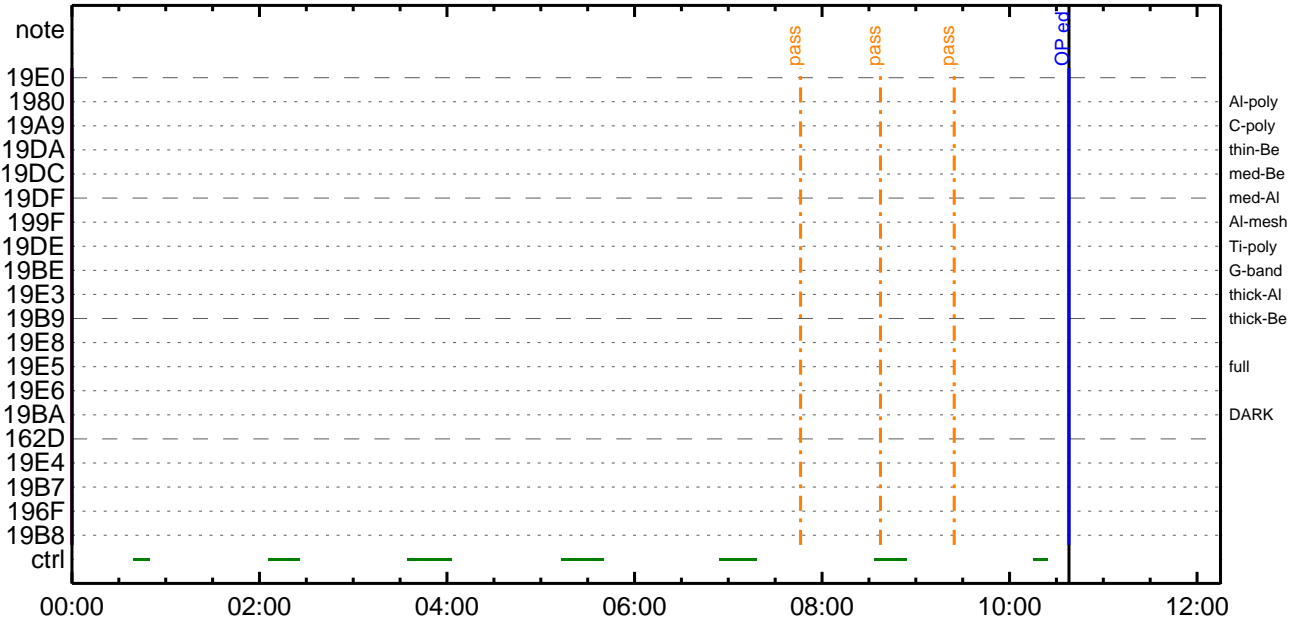
CMDI #0984 2013/12/23



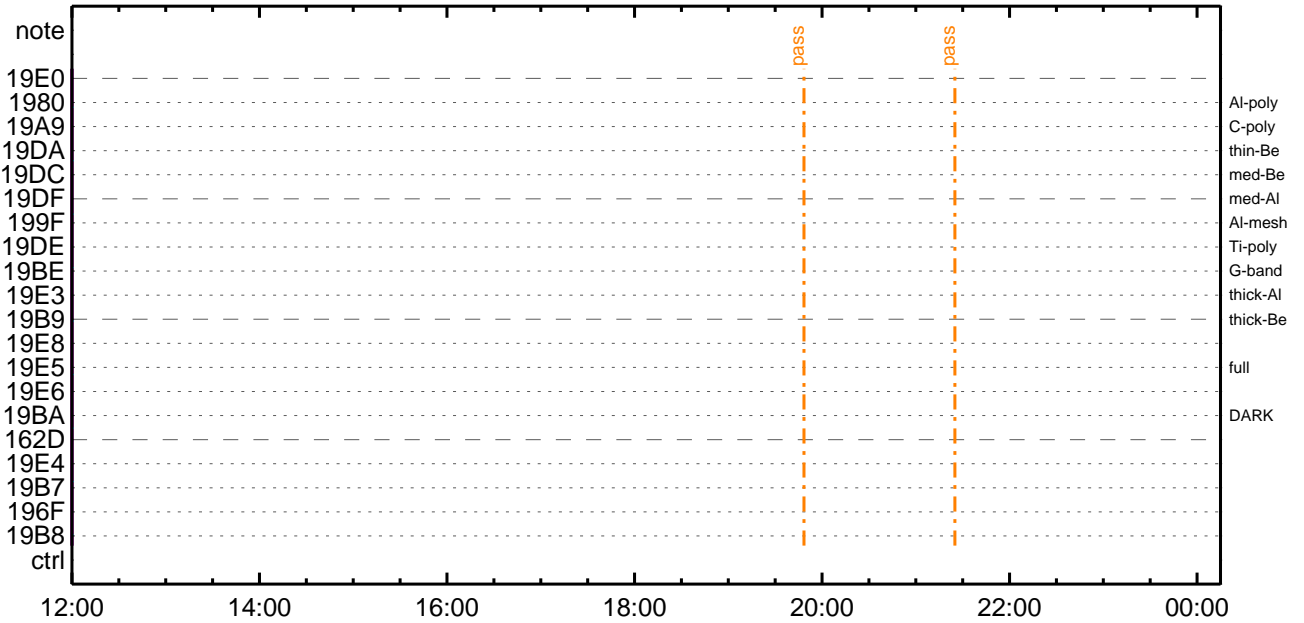
CMDI #0984 2013/12/23



CMDI #0984 2013/12/24



CMDI #0984 2013/12/24







```

0096 C.                0303; SET 03EDUMP 03A±0iYNY¹0Ç¹0a|0³0E; f
0097 C.
0098 . C. TIY³YF¥ÖYÉ0dÄDİ¿ (UT)
0099 +. TI 2013-12-19 09:08:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0102 C.
0103 +. TI 2013-12-19 09:08:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0106 C.
0107 +. TI 2013-12-19 09:08:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0110 C.
0111 +. TI 2013-12-19 09:12:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0114 C.
0115 C.                °Ê²¼0İÄê%îİÑ0İYÁY$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°èYÄYÖY×
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. YÄYÖY×¼ª¹İ»0d³İÇ§
0142 C.                çç[HK1_DMP_CHK_FLG]              EQ        NON
0143 C.
0144 . C. RAM ID=TI_TBL0İ%È¹Ç•è²İOK0d³İÇ§
0145 C.
0146 . C. DHUYâ;¼YÉ;È¼Y¼, Yİ;¼YÈ;È0dİá0¹
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 2013-12-19 09:12:16.0
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 2013-12-19 09:12:00.0
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 2013-12-19 09:12:30.0
0181 DC 07-FC EIS_MODE_MANU
0182 BC                (21 02)
0183 +. TI 2013-12-19 09:12:40.0
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 `ÜÄİ0İ»ö¼Y0ÈÄ0¹0èDCBC•×²è *****
0192 C. (¼0İYÖYÄYÉYB¥YÁYÇYè0È¼00¼Ä»Ü0¹0é)
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-109 2013-12-19 12:53:20 166 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÄY⁂Ä»Ü;ã
0005 C.
0006 C. YÀYB;Y³YFÝÓYÉÄ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿¿òÄò•µ°È»Í×ÁÇ¿íYÇYÁY×YÍ;Y²É;ÈÈÈµ•íÉ;ÈòÈ¼°Çò•µ¿ì¹Ç¿í;ÇÄ®, ùò¹òÈòÈÇÄ+¿®•òÈòòò³òÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ+¿@µ;ON
0016 C. *****
0017 C. Ç " °ÈÄ, Í×ÈYòäLOSòÈÇòí»í¹òò¹íí, µ, ; ÇÉÓÍ×òÈXÄÓONòí¹òÈòí¹òÈòò³òÈ;f
0018 C.
0019 +. DC 03-B4 TCIA_XPA_ON/HI
0020 M. WAIT_SEC 1
0021 + DC 03-84 TCIA_XMOD_ON
0022 M. WAIT_SEC 1
0023 + DC 03-95 TCIA_XMOD_QPSK
0024 C. ÇÇ[HK1_XPA_ON/OFF] EQ ON
0025 C. ÇÇ[HK1_XPA_PWR_HI/LO] EQ HI
0026 C. ÇÇ[HK1_XMOD_ON/OFF] EQ ON
0027 C. ÇÇ[HK1_XMOD_QPSK/PM] EQ QPSK
0028 C.
0029 . C. XYDÝÓYÉYÍYÄY⁂ÖÄÖò-òÄÄêò•µ¿¿é; Ç°È²¼òí°ÈÄ, ¼è¿Çòð¼Ä¹ò²¹é;f
0030 C.
0031 . C. *****
0032 C. DR PT1 ÄÍ¼í°ÈÄ,
0033 C. *****
0034 C. Ç " RESTART;ÈPT1;Èò•µ¿ò¼ì¹Ç¿í; Ç°È²¼òí¹Ä¹ò²²°; ÇDCBC-150ò¿¿Èòà;f
0035 C.
0036 . C. ;ãPT1°ÈÄ, ³«»Í;ã
0037 +. DC 01-29 DHU_S/X_VC4_OFF
0038 + DC 06-C8 DR_PT1_REP_SEL
0039 BC (01 00)
0040 + DC 06-B3 DR_REP_START
0041 + DC 01-32 DHU_X_VC4_ON
0042 C. ÇÇ[HK1_REP_PT_1/2] EQ PT1 (¼Ä¹ò, ;¼Ú)
0043 C. ÇÇ[HK1_REP_STA/STP] EQ START (¼Ä¹ò, ;¼Ú)
0044 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹ò, ;¼Ú)
0045 C.
0046 . C. ;ãYÇYÓYÉYÄÜÁÏ;ÈÄ•Ä°²òÈò;È, àòí°ÈÄ, °È³«;ã
0047 +. DC 06-B3 DR_REP_START
0048 + DC 01-32 DHU_X_VC4_ON
0049 C. ÇÇ[HK1_REP_PT_1/2] EQ PT1 (¼Ä¹ò, ;¼Ú)
0050 C. ÇÇ[HK1_REP_STA/STP] EQ START (¼Ä¹ò, ;¼Ú)
0051 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹ò, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ÈÄ, µ-¼«È°Äá»ßò•µ¿, à; Ç°È²¼òð¼Ä¹ò²¹é;f
0055 C. YÇYÓYÉYÄÜÁÏòèÄ•Ä°²òÈò-µ¿áò¼ì¹Ç¿í¹°í»ò¹òÈòÈÇÄòÄ;f
0056 C.
0057 . C. *****
0058 C. DR PT2 ÄÍ¼í°ÈÄ,
0059 C. *****
0060 C. Ç " RESTART;ÈPT2;Èò•µ¿ò¼ì¹Ç¿í; Ç°È²¼òí¹Ä¹ò²²°; ÇDCBC-151ò¿¿Èòà;f
0061 C.
0062 . C. ;ãPT2°ÈÄ, ³«»Í;ã
0063 +. DC 01-29 DHU_S/X_VC4_OFF
0064 + DC 06-C8 DR_PT2_REP_SEL
0065 BC (02 00)
0066 + DC 06-B3 DR_REP_START
0067 + DC 01-32 DHU_X_VC4_ON
0068 C. ÇÇ[HK1_REP_PT_1/2] EQ PT2 (¼Ä¹ò, ;¼Ú)
0069 C. ÇÇ[HK1_REP_STA/STP] EQ START (¼Ä¹ò, ;¼Ú)
0070 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹ò, ;¼Ú)
0071 C.
0072 . C. ;ãYÇYÓYÉYÄÜÁÏ;ÈÄ•Ä°²òÈò;È, àòí°ÈÄ, °È³«;ã
0073 +. DC 06-B3 DR_REP_START
0074 + DC 01-32 DHU_X_VC4_ON
0075 C. ÇÇ[HK1_REP_PT_1/2] EQ PT2 (¼Ä¹ò, ;¼Ú)
0076 C. ÇÇ[HK1_REP_STA/STP] EQ START (¼Ä¹ò, ;¼Ú)
0077 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹ò, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÈÄ, Ää»ß; ÇXÁ+¿@µ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÈÄ, Ää»ß;ã
0084 +. DC 06-B4 DR_REP_STOP
0085 + DC 01-29 DHU_S/X_VC4_OFF
0086 C. ÇÇ[HK1_REP_STA/STP] EQ STOP
0087 C. ÇÇ[HK1_S_VC4_ON/OFF] EQ OFF
0088 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ OFF
0089 C.
0090 . C. ;ãXÁ+¿@µ;OFF;ã
0091 +. DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 + DC 03-B5 TCIA_XPA_OFF
0094 C. ÇÇ[HK1_XMOD_ON/OFF] EQ OFF
0095 C. ÇÇ[HK1_XPA_ON/OFF] EQ OFF
```



(a) Spacecraft Operation Procedure (real-commands)

```
main-110 2013-12-19 12:53:20 152 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŠYÁY-¼Á»Ü;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÖYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿òÁò•µ°È»Í×ÁÇóÍYçYÁY×Yí;¼YÉ;ÈÈ%µ•íÉ;ÈòÈ¼°ÇÒò•ò¿¼l¹çòÍ;çÀ®, ùò¹òèòòòÇÁ+¿®ò•òÈòòò³òÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Stop FG table >
0018 +. DC 07-F0 MDP_FG_CTRL_MANU
0019 BC (51)
0020 . C. -----
0021 C. MDP_FG_CTRL_MODE = MANU [ ]
0022 C. -----
0023 C.
0024 . C. <Upload FG Observation Table>
0025 . S. RAM ram-265:MDP_OBS_F
0026 ( )
0027 C.
0028 . C. < Dump RAMID=MDP_OBS_F >
0029 +. DC 07-F0 MDP_DUMP_FGTBL
0030 BC (82 07 00 00 00 38 b8)
0031 C. -----
0032 C. MDP_OBS_F verify = OK/NG [ ]
0033 C. -----
0034 C.
0035 . C. < Stop SP table >
0036 +. DC 07-F0 MDP_SP_CTRL_MANU
0037 BC (61)
0038 C. -----
0039 C. MDP_SP_CTRL_MODE = MANU [ ]
0040 C. -----
0041 C.
0042 . C. <Upload SP Observation Table>
0043 . S. RAM ram-282:MDP_OBS_S
0044 ( )
0045 C.
0046 . C. < Dump RAMID=MDP_OBS_S >
0047 +. DC 07-F0 MDP_DUMP_SPTBL
0048 BC (83 07 00 00 00 38 b8)
0049 C. -----
0050 C. MDP_OBS_S verify = OK/NG [ ]
0051 C. -----
0052 C.
0053 C. *****
0054 C. SOT TI command set
0055 C. *****
0056 C. Execute, after the success of TBL upload.
0057 +. TI 2013-12-19 09:12:18.0
0058 DC 07-F0 MDP_SOT_MODE_OBSV
0059 BC (40)
0060 . C. -----
0061 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0062 C. -----
0063 C.
0064 C.
0065 C. ***** XRT START *****
0066 C.
0067 +. DC 07-F0 MDP_XRT_CTRL_MANU
0068 BC (c1)
0069 + DC 07-F0 MDP_XRT_MODE_STBY
0070 BC (c3)
0071 . C. ----- Success Verify ? OK / NG____
0072 C.
0073 C. XRT Obs. Table Upload
0074 . S. RAM ram-291:MDP_OBS_X
0075 ( )
0076 C.
0077 +. DC 07-F0 MDP_DUMP_XRTTBL
0078 BC (84 07 00 00 00 3a d4)
0079 . C. ----- Comparison Check ? OK / ERR ____
0080 C.
0081 C.
0082 +. DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 01 b1 b1 04 04)
0084 + DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 02 b1 b1 08 08)
0086 + DC 07-F0 MDP_XRT_ROI_SET
0087 BC (cd 03 b1 b1 08 08)
0088 + DC 07-F0 MDP_XRT_ROI_SET
0089 BC (cd 04 b1 b1 06 06)
0090 + DC 07-F0 MDP_XRT_ROI_SET
0091 BC (cd 05 85 83 06 06)
0092 + DC 07-F0 MDP_XRT_ROI_SET
0093 BC (cd 06 80 80 20 20)
0094 + DC 07-F0 MDP_XRT_ROI_SET
0095 BC (cd 07 85 83 06 06)
```

```
0096 + DC 07-F0 MDP_XRT_ROI_SET
0097 BC (cd 08 85 83 08 08)
0098 + DC 07-F0 MDP_XRT_ROI_SET
0099 BC (cd 09 80 80 20 08)
0100 + DC 07-F0 MDP_XRT_ROI_SET
0101 BC (cd 0a 80 80 08 20)
0102 + DC 07-F0 MDP_XRT_ROI_SET
0103 BC (cd 0b 80 80 10 10)
0104 + DC 07-F0 MDP_XRT_ROI_SET
0105 BC (cd 0c 80 80 06 06)
0106 + DC 07-F0 MDP_XRT_ROI_SET
0107 BC (cd 0f 80 80 06 06)
0108 + DC 07-F0 MDP_XRT_ROI_SET
0109 BC (cd 10 80 80 08 08)
0110 + DC 07-F0 MDP_XRT_FLD_ENA
0111 BC (d8)
0112 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0113 BC (c8)
0114 + DC 07-F0 MDP_XRT_AEC_RESET
0115 BC (d0)
0116 + DC 07-F0 MDP_XRT_ARS_DIS
0117 BC (d5)
0118 + DC 07-F0 MDP_XRT_FLD_RESET
0119 BC (da)
0120 + DC 07-F0 MDP_XRT_QT_PROG_SET
0121 BC (c4 09)
0122 + DC 07-F0 MDP_XRT_FL_PROG_SET
0123 BC (c5 13)
0124 . C. ----- Success Verify ? OK / NG ____
0125 C.
0126 C.
0127 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0128 C.
0129 + DC 07-F0 MDP_XRT_MODE_OBSV
0130 BC (c2)
0131 + TI 2013-12-19 09:12:02.0
0132 DC 07-F0 MDP_XRT_MODE_OBSV
0133 BC (c2)
0134 . C. ----- Success Verify ? OK / NG ____
0135 C.
0136 C. ***** XRT END *****
0137 C.
0138 . C. ***** MDP `úÃîñï»ö¼ÝñÊÃÐñ¹ñèDCBC•x²è *****
0139 C. (%á°îÿÓÿÃÿÈÿPÿËÿáÿçÿèñÊ¼ññ¼Ã»Ûñ¹ñè)
0140 . S. DC-BC dcbc-402:DCBC
0141 (MDP_known_event)
0142 C.
0143 C.
0144 . C. ***** ÿDÿ¹•Ï Daily±¿ÍññÈ´Øñ¹ñèDCBC•x²è *****
0145 . S. DC-BC dcbc-153:DCBC
0146 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0147 C.
0148 C.
0149 . C. ;ãLOSÿÁÿ§ÿËÿ-¼Ã»Û;ã
0150 C.
0151 . C. ***** LOS *****
0152 C.
```

Dec 19, 13 12:54

XRT\_OGLIST\_0984.chk

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

```

2013/12/19 09:22:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2013/12/19 09:22:56.0 XRT_FOCUS_POSITION_410_OG [0x19a]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2013/12/19 09:23:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 00 1a 04 af 8e
2013/12/19 09:23:16.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2013/12/19 09:23:18.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2013/12/19 09:23:20.0 XRT_AEC_RESET_413_OG [0x19d]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2013/12/19 09:23:22.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2013/12/19 09:23:24.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2013/12/19 09:23:26.0 XRT_QT_PROG_SET_441_OG [0x1b9]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 07
2013/12/19 09:25:58.0 XRT_FL_PROG_SET_420_OG [0x1a4]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 13
2013/12/19 09:26:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2013/12/19 10:29:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2013/12/19 10:29:02.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2013/12/19 10:29:04.0 XRT_PREFLR_STRT_418_OG [0x1a2]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2013/12/19 10:32:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2013/12/19 10:35:00.0 XRT_Custom_430_OG [0x1ae]
2013/12/19 10:36:00.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2013/12/19 14:16:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2013/12/19 14:16:02.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2013/12/19 14:16:04.0 XRT_PREFLR_STRT_418_OG [0x1a2]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2013/12/19 14:19:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2013/12/19 14:24:00.0 XRT_Custom_430_OG [0x1ae]
2013/12/19 14:25:00.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2013/12/19 15:49:30.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2013/12/19 15:49:32.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2013/12/19 15:49:34.0 XRT_PREFLR_STRT_418_OG [0x1a2]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2013/12/19 15:52:44.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2013/12/19 16:13:00.0 XRT_Custom_430_OG [0x1ae]
2013/12/19 16:14:00.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2013/12/19 17:26:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2013/12/19 17:26:02.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2013/12/19 17:26:04.0 XRT_PREFLR_STRT_418_OG [0x1a2]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2013/12/19 17:29:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2013/12/19 17:49:30.0 XRT_Custom_430_OG [0x1ae]
2013/12/19 17:50:30.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2013/12/19 18:05:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2013/12/19 18:05:56.0 XRT_FOCUS_POSITION_403_OG [0x193]
                        XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00
2013/12/19 18:06:00.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM 5 02-76 00 00 00 00 00
2013/12/19 18:06:16.0 XRT_FLD_DIS_434_OG [0x1b2]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2013/12/19 18:08:54.0 XRT_FLRCTRL_DIS_405_OG [0x195]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2013/12/19 18:08:56.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2013/12/19 18:08:58.0 XRT_QT_PROG_SET_446_OG [0x1be]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 11
2013/12/19 18:09:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2013/12/19 18:15:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2013/12/19 18:15:56.0 XRT_FOCUS_POSITION_410_OG [0x19a]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2013/12/19 18:16:00.0 AOCs_OrE-point_Start_3_OG [0x099]
                        AOCU_NM 5 02-76 04 00 00 00 00
2013/12/19 18:16:16.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2013/12/19 18:16:18.0 XRT_FLRCTRL_ENA_412_OG [0x19c]

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2013/12/19	18:16:20.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
			MDP_XRT_AEC_RESET	1	07-F0	d0
2013/12/19	18:16:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2013/12/19	18:16:24.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/12/19	18:16:26.0	XRT_QT_PROG_SET_444_OG [0x1bc]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08
2013/12/19	18:18:58.0	XRT_FL_PROG_SET_420_OG [0x1a4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 13
2013/12/19	18:19:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/12/19	19:03:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/12/19	19:03:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/12/19	19:03:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	da
2013/12/19	19:06:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/12/19	19:26:30.0	XRT_Custom_430_OG [0x1ae]				
2013/12/19	19:27:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/12/19	20:40:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/12/19	20:40:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/12/19	20:40:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	da
2013/12/19	20:43:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/12/19	21:04:00.0	XRT_Custom_430_OG [0x1ae]				
2013/12/19	21:05:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/12/19	22:18:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/12/19	22:18:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/12/19	22:18:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	da
2013/12/19	22:21:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/12/19	22:39:00.0	XRT_Custom_430_OG [0x1ae]				
2013/12/19	22:40:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/12/19	23:55:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/12/19	23:55:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/12/19	23:55:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	da
2013/12/19	23:58:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/12/20	00:04:00.0	XRT_Custom_430_OG [0x1ae]				
2013/12/20	00:05:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/12/20	01:20:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/12/20	01:20:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/12/20	01:20:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	da
2013/12/20	01:23:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/12/20	01:38:00.0	XRT_Custom_430_OG [0x1ae]				
2013/12/20	01:39:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/12/20	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/12/20	01:59:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2013/12/20	02:00:00.0	AOCS_Ore-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 40 e5 39 ca
2013/12/20	02:00:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2013/12/20	02:00:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2013/12/20	02:00:20.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0
2013/12/20	02:00:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2013/12/20	02:00:24.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/12/20	02:00:26.0	XRT_QT_PROG_SET_425_OG [0x1a9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c
2013/12/20	02:02:58.0	XRT_FL_PROG_SET_420_OG [0x1a4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 13
2013/12/20	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/12/20	02:54:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/12/20	02:54:02.0	XRT_FLD_RESET_415_OG [0x19f]				



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2013/12/20	02:54:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_FLD_RESET	1	07-F0	da
			MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/12/20	02:57:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/12/20	03:15:00.0	XRT_Custom_430_OG [0x1ae]				
2013/12/20	03:16:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/12/20	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/12/20	03:59:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2013/12/20	04:00:00.0	AOCS_OrE-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00
2013/12/20	04:00:16.0	XRT_FLD_DIS_434_OG [0x1b2]	MDP_XRT_FLD_DIS	1	07-F0	d9
2013/12/20	04:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2013/12/20	04:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2013/12/20	04:02:58.0	XRT_QT_PROG_SET_446_OG [0x1be]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2013/12/20	04:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/12/20	04:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/12/20	04:09:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2013/12/20	04:10:00.0	AOCS_OrE-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	04 00 00 00 00
2013/12/20	04:10:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2013/12/20	04:10:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2013/12/20	04:10:20.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0
2013/12/20	04:10:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2013/12/20	04:10:24.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/12/20	04:10:26.0	XRT_QT_PROG_SET_422_OG [0x1a6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b
2013/12/20	04:12:58.0	XRT_FL_PROG_SET_420_OG [0x1a4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 13
2013/12/20	04:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/12/20	04:24:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/12/20	04:24:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/12/20	04:24:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/12/20	04:27:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/12/20	04:52:30.0	XRT_Custom_430_OG [0x1ae]				
2013/12/20	04:53:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/12/20	06:04:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/12/20	06:04:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/12/20	06:04:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/12/20	06:07:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/12/20	06:30:00.0	XRT_Custom_430_OG [0x1ae]				
2013/12/20	06:31:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/12/20	07:44:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/12/20	07:44:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/12/20	07:44:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/12/20	07:47:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/12/20	08:07:00.0	XRT_Custom_430_OG [0x1ae]				
2013/12/20	08:08:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/12/20	09:24:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/12/20	09:24:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/12/20	09:24:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/12/20	09:27:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/12/20	09:41:30.0	XRT_Custom_430_OG [0x1ae]				
2013/12/20	09:42:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/12/20	14:50:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/12/20	14:50:02.0	XRT_FLD_RESET_415_OG [0x19f]				

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2013/12/20	14:50:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_FLD_RESET	1	07-F0	da				
			MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/12/20	14:53:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/12/20	15:02:30.0	XRT_Custom_430_OG [0x1ae]								
2013/12/20	15:03:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/12/20	16:25:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/20	16:25:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2013/12/20	16:25:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/12/20	16:28:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/12/20	16:49:00.0	XRT_Custom_430_OG [0x1ae]								
2013/12/20	16:50:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/12/20	17:38:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/20	17:38:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2013/12/20	17:39:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00				
2013/12/20	17:39:16.0	XRT_FLD_DIS_434_OG [0x1b2]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2013/12/20	17:41:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2013/12/20	17:41:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/12/20	17:41:58.0	XRT_QT_PROG_SET_445_OG [0x1bd]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10				
2013/12/20	17:42:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/12/20	17:58:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/20	17:58:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2013/12/20	17:59:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	04 00 00 00 00				
2013/12/20	17:59:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2013/12/20	17:59:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2013/12/20	17:59:20.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2013/12/20	17:59:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/12/20	17:59:24.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2013/12/20	17:59:26.0	XRT_QT_PROG_SET_444_OG [0x1bc]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08				
2013/12/20	18:01:58.0	XRT_FL_PROG_SET_420_OG [0x1a4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 13				
2013/12/20	18:02:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/20	18:02:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2013/12/20	18:02:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/12/20	18:05:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/12/20	18:26:00.0	XRT_Custom_430_OG [0x1ae]								
2013/12/20	18:27:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/12/20	19:39:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/20	19:39:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2013/12/20	19:39:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/12/20	19:42:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/12/20	20:03:00.0	XRT_Custom_430_OG [0x1ae]								
2013/12/20	20:04:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/12/20	21:17:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/20	21:17:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2013/12/20	21:17:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/12/20	21:20:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/12/20	21:40:00.0	XRT_Custom_430_OG [0x1ae]								
2013/12/20	21:41:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/12/20	22:54:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/20	22:54:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2013/12/20	22:54:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]								

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2013/12/20	22:57:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
			MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/12/20	23:13:30.0	XRT_Custom_430_OG [0x1ae]								
2013/12/20	23:14:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/12/21	00:31:30.0	XRT_CTRL_MANU_400_OG [0x190]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/21	00:31:32.0	XRT_FLD_RESET_415_OG [0x19f]								
			MDP_XRT_FLD_RESET	1	07-F0	da				
2013/12/21	00:31:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]								
			MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/12/21	00:34:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]								
			MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/12/21	00:38:30.0	XRT_Custom_430_OG [0x1ae]								
2013/12/21	00:39:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/12/21	01:54:30.0	XRT_CTRL_MANU_400_OG [0x190]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/21	01:54:32.0	XRT_FLD_RESET_415_OG [0x19f]								
			MDP_XRT_FLD_RESET	1	07-F0	da				
2013/12/21	01:54:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]								
			MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/12/21	01:57:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]								
			MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/12/21	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/21	01:59:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]								
			XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2013/12/21	02:00:00.0	AOCS_Ore-point_Start_5_OG [0x09b]								
			AOCU_NM	5	02-76	02 00 00 00 00				
2013/12/21	02:00:16.0	XRT_FLD_ENA_411_OG [0x19b]								
			MDP_XRT_FLD_ENA	1	07-F0	d8				
2013/12/21	02:00:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]								
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2013/12/21	02:00:20.0	XRT_AEC_RESET_413_OG [0x19d]								
			MDP_XRT_AEC_RESET	1	07-F0	d0				
2013/12/21	02:00:22.0	XRT_ARS_DIS_423_OG [0x1a7]								
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/12/21	02:00:24.0	XRT_FLD_RESET_415_OG [0x19f]								
			MDP_XRT_FLD_RESET	1	07-F0	da				
2013/12/21	02:00:26.0	XRT_QT_PROG_SET_441_OG [0x1b9]								
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2013/12/21	02:02:58.0	XRT_FL_PROG_SET_420_OG [0x1a4]								
			MDP_XRT_FL_PROG_SET	2	07-F0	c5 13				
2013/12/21	02:14:00.0	XRT_Custom_430_OG [0x1ae]								
2013/12/21	02:15:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/12/21	03:26:30.0	XRT_CTRL_MANU_400_OG [0x190]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/21	03:26:32.0	XRT_FLD_RESET_415_OG [0x19f]								
			MDP_XRT_FLD_RESET	1	07-F0	da				
2013/12/21	03:26:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]								
			MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/12/21	03:29:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]								
			MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/12/21	03:51:30.0	XRT_Custom_430_OG [0x1ae]								
2013/12/21	03:52:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/12/21	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/21	03:59:56.0	XRT_FOCUS_POSITION_403_OG [0x193]								
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2013/12/21	04:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]								
			AOCU_NM	5	02-76	00 00 00 00 00				
2013/12/21	04:00:16.0	XRT_FLD_DIS_434_OG [0x1b2]								
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2013/12/21	04:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]								
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2013/12/21	04:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]								
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/12/21	04:02:58.0	XRT_QT_PROG_SET_446_OG [0x1be]								
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 11				
2013/12/21	04:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/12/21	04:09:54.0	XRT_CTRL_MANU_402_OG [0x192]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/21	04:09:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]								
			XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2013/12/21	04:10:00.0	AOCS_Ore-point_Start_3_OG [0x099]								
			AOCU_NM	5	02-76	04 00 00 00 00				
2013/12/21	04:10:16.0	XRT_FLD_ENA_411_OG [0x19b]								
			MDP_XRT_FLD_ENA	1	07-F0	d8				
2013/12/21	04:10:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]								
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2013/12/21	04:10:20.0	XRT_AEC_RESET_413_OG [0x19d]								
			MDP_XRT_AEC_RESET	1	07-F0	d0				
2013/12/21	04:10:22.0	XRT_ARS_DIS_423_OG [0x1a7]								
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/12/21	04:10:24.0	XRT_FLD_RESET_415_OG [0x19f]								
			MDP_XRT_FLD_RESET	1	07-F0	da				
2013/12/21	04:10:26.0	XRT_QT_PROG_SET_444_OG [0x1bc]								
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 08				

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2013/12/21	04:12:58.0	XRT_FL_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	13			
2013/12/21	04:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/12/21	05:01:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/21	05:01:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/12/21	05:01:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/12/21	05:04:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/12/21	05:29:00.0	XRT_Custom_430_OG [0x1ae]							
2013/12/21	05:30:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/12/21	06:42:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/21	06:42:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/12/21	06:42:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/12/21	06:45:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/12/21	07:06:00.0	XRT_Custom_430_OG [0x1ae]							
2013/12/21	07:07:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/12/21	08:21:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/21	08:21:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/12/21	08:21:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/12/21	08:24:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/12/21	08:43:00.0	XRT_Custom_430_OG [0x1ae]							
2013/12/21	08:44:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/12/21	10:02:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/12/21	10:03:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	00	00	00	00