

XRT Timeline to be uploaded on 2013/05/23

Period: 2013/05/23 10:01:00 - 2013/05/28 08:46:00

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Normal mode

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XOB #190F: HOP81/206 2-filter - Ti/poly 4s, Al/mesh 4s, G-band - 384x384 45ms													
Term		Pointing (x, y)					Comment						
05/23 10:11:10 - 05/23 15:43:30		Fixed (-12.0, -950.0)					# OP start + 10min, HOP81 South pole						
PROG= 16 Inf.-time(s)													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 13 2-time(s) 2.0sec													
	Open/G-band	Open/G-band	close	Safe	Norm	63ms	Obs	1x1	512x512 (1064, 1048)	DPCM	0	0	2.0sec
└─ Subr= 2 1-time(s) 2.0sec													
└─ Seqn= 30 1-time(s) 30.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
└─ Subr= 3 30-time(s) 2.0sec													
└─ Seqn= 25 2-time(s) 30.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1990: AR Standard-A(Filter-Ratio) with PFB, FW1=Open, 384x384 at 1064 1048, 80s cad With G-band and VLS closed-2													
Term		Pointing (x, y)					Comment						
05/23 16:31:00 - 05/23 17:09:54		Track (-499.9, -328.5) @ 05/23 16:11:00					AR 11756						
05/24 06:07:00 - 05/24 17:44:54		Track (-400.1, -327.8) @ 05/24 06:04:00					AR 11756						
05/24 18:45:00 - 05/25 06:01:54		Track (-309.4, -327.6) @ 05/24 17:55:00					AR 11756						
PROG= 19 Inf.-time(s)													
└─ Subr= 2 1-time(s) 2.0sec													
└─ Seqn= 67 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	12ms	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	32ms	Obs	1x1	384x384 (1024, 1024)	DPCM	0	0	2.0sec
└─ Seqn= 62 4-time(s) 2.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	Open/thick-Al	Open/thick-Be	close	Safe	Norm	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
└─ Seqn= 63 45-time(s) 80.0sec													
	Open/Al-mesh	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	Open/Ti-poly	Open/thick-Be	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	Open/Al-mesh	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec
	Open/Ti-poly	Open/thick-Be	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec
	Open/Al-mesh	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec
	Open/Ti-poly	Open/thick-Be	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec
	Open/Al-mesh	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	3	2.0sec
	Open/Ti-poly	Open/thick-Be	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	3	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1996: Synoptic Q95 2x2 - Al/mesh(12/512) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Ti-poly(64/1024) + G-band(8) G													
Term		Pointing (x, y)					Comment						
05/23 17:13:00 - 05/23 17:22:00		Fixed (0.0, 0.0)					synoptic, shifted 6.5 min						
05/24 05:57:00 - 05/24 06:03:54		Fixed (0.0, 0.0)					synoptic, shifted -6.0 min						
05/24 17:48:00 - 05/24 17:59:00		Fixed (0.0, 0.0)					synoptic, shifted -15.0 min						
05/25 06:05:00 - 05/25 06:11:54		Fixed (0.0, 0.0)					synoptic, shifted 2.0 min, extended for SOT flat field						
PROG= 12 1-time(s)													
└─ Subr= 1 1-time(s) 12.0sec													
└─ Seqn= 72 1-time(s) 4.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	12ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ 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= 73 1-time(s) 4.0sec													
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	32ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 66 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)	DPCM	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1997: Dark - Open+Thick-Be - 8x8 - 384x384												
Term		Pointing (x, y)					Comment					
05/23 18:15:30 - 05/23 18:28:24		Fixed (936.0, 0.0)					# HOP130					
05/23 18:31:30 - 05/23 18:44:24		Fixed (468.0, 0.0)					cont.					
05/23 19:52:30 - 05/23 20:05:24		Fixed (-468.0, 0.0)					cont.					

05/23 20:08:30 - 05/23 20:21:24	Fixed (-936.0, 0.0)	cont.
05/23 20:24:30 - 05/23 21:26:24	Fixed (815.0, 470.0)	cont.
05/23 21:29:30 - 05/23 21:42:54	Fixed (411.0, 847.0)	cont.
05/23 21:46:00 - 05/23 21:58:24	Fixed (0.0, 941.0)	cont.
05/23 22:01:30 - 05/23 23:01:24	Fixed (-411.0, 847.0)	cont.
05/23 23:04:30 - 05/23 23:11:24	Fixed (-815.0, 470.0)	cont.
05/23 23:14:30 - 05/23 23:21:24	Fixed (815.0, -470.0)	cont.
05/23 23:24:30 - 05/23 23:37:24	Fixed (411.0, -847.0)	cont.
05/23 23:40:30 - 05/24 00:25:54	Fixed (0.0, -941.0)	cont.
05/24 00:29:00 - 05/24 00:41:54	Fixed (-411.0, -847.0)	cont.
05/24 00:45:00 - 05/24 00:59:54	Fixed (-815.0, -471.0)	cont.
05/25 06:15:00 - 05/25 08:39:30	Fixed (0.0, 0.0)	synoptic, shifted 2.0 min, extended for SOT flat field
05/25 09:16:00 - 05/25 09:25:00	Track (-191.8, -327.8) ^{05/25 08:35:00}	AR 11756

PROG= 09 1-time(s)

- └─ **Subr= 1 1-time(s) 2.0sec**
 - └─ **Seqn= 77 1-time(s) 2.0sec**
 - └─ Open/thick-Be Open/thick-Be close Safe Dark 63ms Obs 8x8 384x384 (1024, 1024) DPCM 0 0 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval
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XOB #1915: HOP130-Synoptic 3 Filter- 2x2 Q95 (Almesh 12/723ms; Tipoly 24/1443ms; Althick 65536ms)

Term	Pointing (x, y)	Comment
05/23 18:47:30 - 05/23 19:49:24	Fixed (0.0, 0.0)	cont.

PROG= 02 2-time(s)

- └─ **Subr= 1 1-time(s) 180.0sec**
 - └─ **Seqn= 55 1-time(s) 25.0sec**
 - └─ Open/Al-mesh Open/Al-mesh close Safe Norm 12ms 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= 56 1-time(s) 25.0sec**
 - └─ 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 1.41s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
 - └─ **Seqn= 75 1-time(s) 2.0sec**
 - └─ Open/thick-Al Open/thick-Al 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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XOB #190B: G-Band Alignment with North Pole Q90 2x2(G-band only) - 12msec - 5min cadence - Partial Sun-wNGT-2

Term	Pointing (x, y)	Comment
05/24 01:02:56 - 05/24 03:09:54	Fixed (0.0, 945.0)	Co-alignment N limb

PROG= 15 1-time(s)

- └─ **Subr= 1 1-time(s) 360.0sec**
 - └─ **Seqn= 32 24-time(s) 300.0sec**
 - └─ Open/G-band Open/G-band open Safe Norm 12ms Obs 2x2 2048x1536 (1024, 768) Q=90 0 0 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval
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XOB #190C: G-Band Alignment with East limb Q90 2x2 (G-band only) - 12msec- 8 min cadence-wNGT-2

Term	Pointing (x, y)	Comment
05/24 03:13:01 - 05/24 05:53:54	Fixed (-945.0, 0.0)	Co-alignment E limb

PROG= 17 1-time(s)

- └─ **Subr= 1 1-time(s) 360.0sec**
 - └─ **Seqn= 33 15-time(s) 480.0sec**
 - └─ Open/G-band Open/G-band open Safe Norm 12ms Obs 2x2 1536x2048 (1280, 1024) Q=90 0 0 2.0sec

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

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XOB #1828: Flare Standard Obs. with eruptions mode-A (FW1=Open)

Term	Pointing (x, y)	Comment
05/23 10:11:10 - 05/23 15:43:30	Fixed (-12.0, -950.0)	# OP start + 10min, HOP81 South pole
05/23 16:31:00 - 05/23 17:09:54	Track (-499.9, -328.5) ^{05/23 16:11:00}	AR 11756
05/23 18:15:30 - 05/23 18:28:24	Fixed (936.0, 0.0)	# HOP130
05/23 18:31:30 - 05/23 18:44:24	Fixed (468.0, 0.0)	cont.
05/23 19:52:30 - 05/23 20:05:24	Fixed (-468.0, 0.0)	cont.
05/23 20:08:30 - 05/23 20:21:24	Fixed (-936.0, 0.0)	cont.
05/23 20:24:30 - 05/23 21:26:24	Fixed (815.0, 470.0)	cont.
05/23 21:29:30 - 05/23 21:42:54	Fixed (411.0, 847.0)	cont.
05/23 21:46:00 - 05/23 21:58:24	Fixed (0.0, 941.0)	cont.
05/23 22:01:30 - 05/23 23:01:24	Fixed (-411.0, 847.0)	cont.
05/23 23:04:30 - 05/23 23:11:24	Fixed (-815.0, 470.0)	cont.
05/23 23:14:30 - 05/23 23:21:24	Fixed (815.0, -470.0)	cont.
05/23 23:24:30 - 05/23 23:37:24	Fixed (411.0, -847.0)	cont.
05/23 23:40:30 - 05/24 00:25:54	Fixed (0.0, -941.0)	cont.
05/24 00:29:00 - 05/24 00:41:54	Fixed (-411.0, -847.0)	cont.
05/24 00:45:00 - 05/24 00:59:54	Fixed (-815.0, -471.0)	cont.
05/24 01:02:56 - 05/24 03:09:54	Fixed (0.0, 945.0)	Co-alignment N limb
05/24 03:13:01 - 05/24 05:53:54	Fixed (-945.0, 0.0)	Co-alignment E limb
05/24 06:07:00 - 05/24 17:44:54	Track (-400.1, -327.8) ^{05/24 06:04:00}	AR 11756
05/24 18:45:00 - 05/25 06:01:54	Track (-309.4, -327.6) ^{05/24 17:55:00}	AR 11756

PROG= 07 1-time(s)

Subr=	1-time(s)	30-time(s)	20.0sec																					
Seqn= 58 1-time(s) 2.0sec				Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	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= 64 1-time(s) 2.0sec				Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec								
				Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec								
Subr= 2 1-time(s) 2.0sec																								
Seqn= 59 1-time(s) 2.0sec				Open/G-band	Open/G-band	open	Safe	Norm	63ms	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								
Subr= 3 30-time(s) 60.0sec																								
Seqn= 58 1-time(s) 2.0sec				Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	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= 60 1-time(s) 2.0sec				Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec								
				Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec								
Subr= 2 1-time(s) 2.0sec																								
Seqn= 59 1-time(s) 2.0sec				Open/G-band	Open/G-band	open	Safe	Norm	63ms	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								
Subr= 3 30-time(s) 60.0sec																								
Seqn= 58 1-time(s) 2.0sec				Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	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= 60 1-time(s) 2.0sec				Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec								
				Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec								
Subr= 2 1-time(s) 2.0sec																								
Seqn= 59 1-time(s) 2.0sec				Open/G-band	Open/G-band	open	Safe	Norm	63ms	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								
Subr= 3 30-time(s) 60.0sec																								
Seqn= 58 1-time(s) 2.0sec				Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	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= 60 1-time(s) 2.0sec				Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec								
				Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec								
Subr= 4 24-time(s) 600.0sec																								
Seqn= 61 1-time(s) 2.0sec				Open/Al-mesh	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1024, 1024)	Q=95	1	0	2.0sec								
				Open/Ti-poly	Open/thick-Be	close	Safe	Norm	500ms	Obs	1x1	384x384 (1024, 1024)	Q=95	1	0	2.0sec								
				Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec								
				Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	1.00s	Obs	1x1	384x384 (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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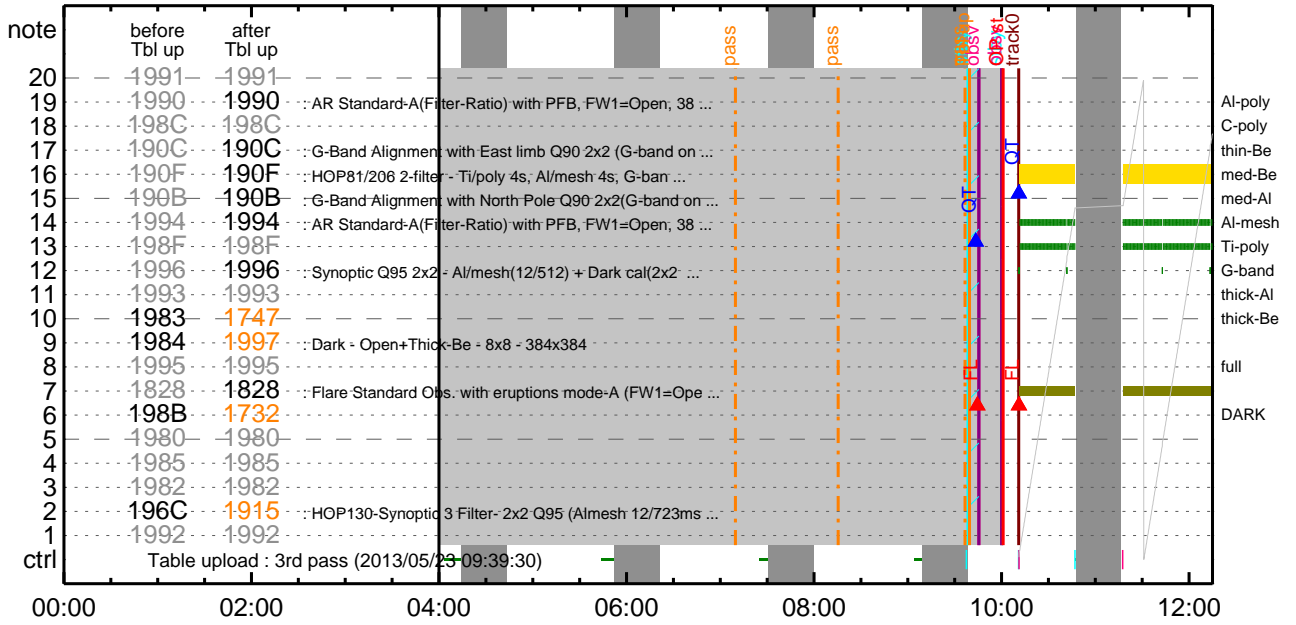
Flare Detection

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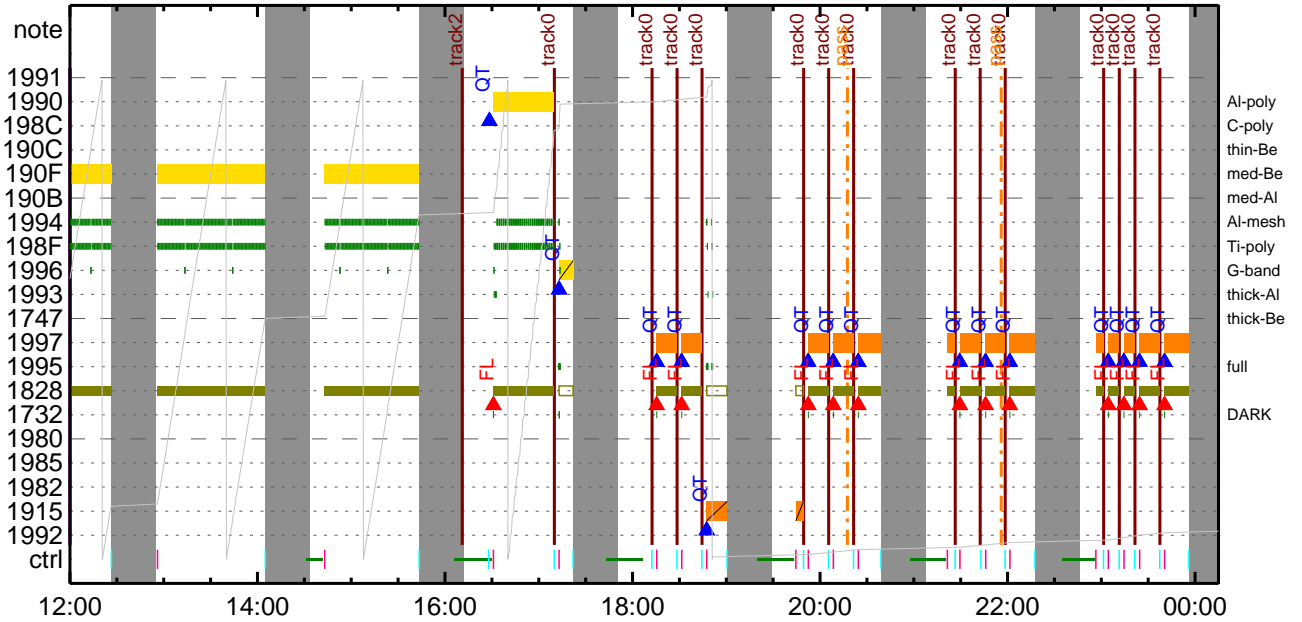
FLD Patrol

Term	Pointing (x, y)	Comment
05/23 18:15:16 - 05/23 18:44:46	Fixed (936.0, 0.0)	# HOP130
05/23 19:52:16 - 05/24 01:00:16	Fixed (-468.0, 0.0)	cont.
05/24 06:04:16 - 05/24 17:45:16	Track (-400.1, -327.8) @ 05/24 06:04:00	AR 11756
05/24 18:42:16 - 05/25 06:02:16	Track (-309.4, -327.6) @ 05/24 17:55:00	AR 11756
05/25 06:14:46 - 05/28 08:46:00	Fixed (0.0, 0.0)	synoptic, shifted 2.0 min, extended for SOT flat field
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

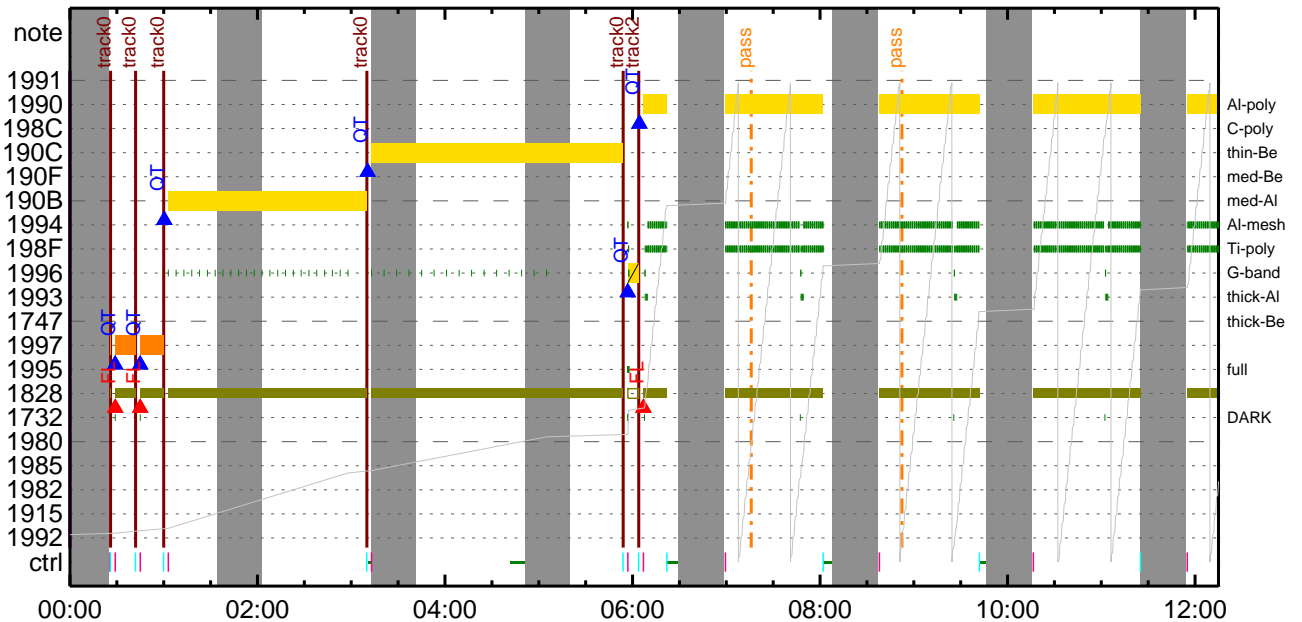
CMDI #0488 2013/05/23



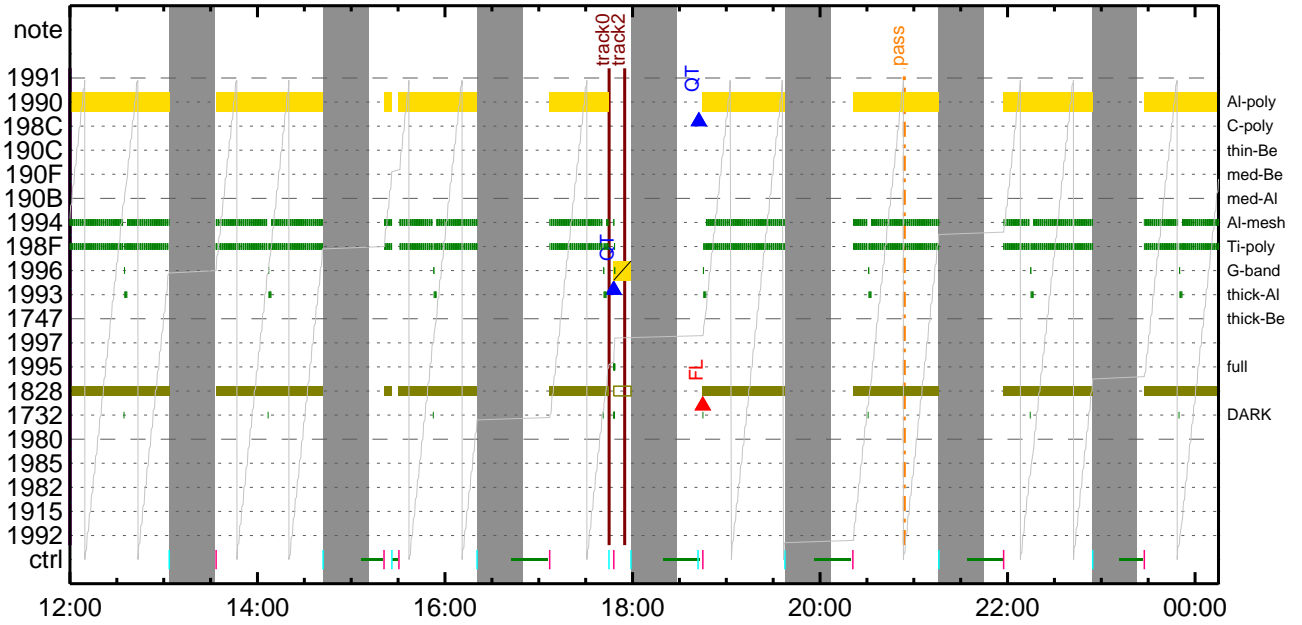
CMDI #0488 2013/05/23



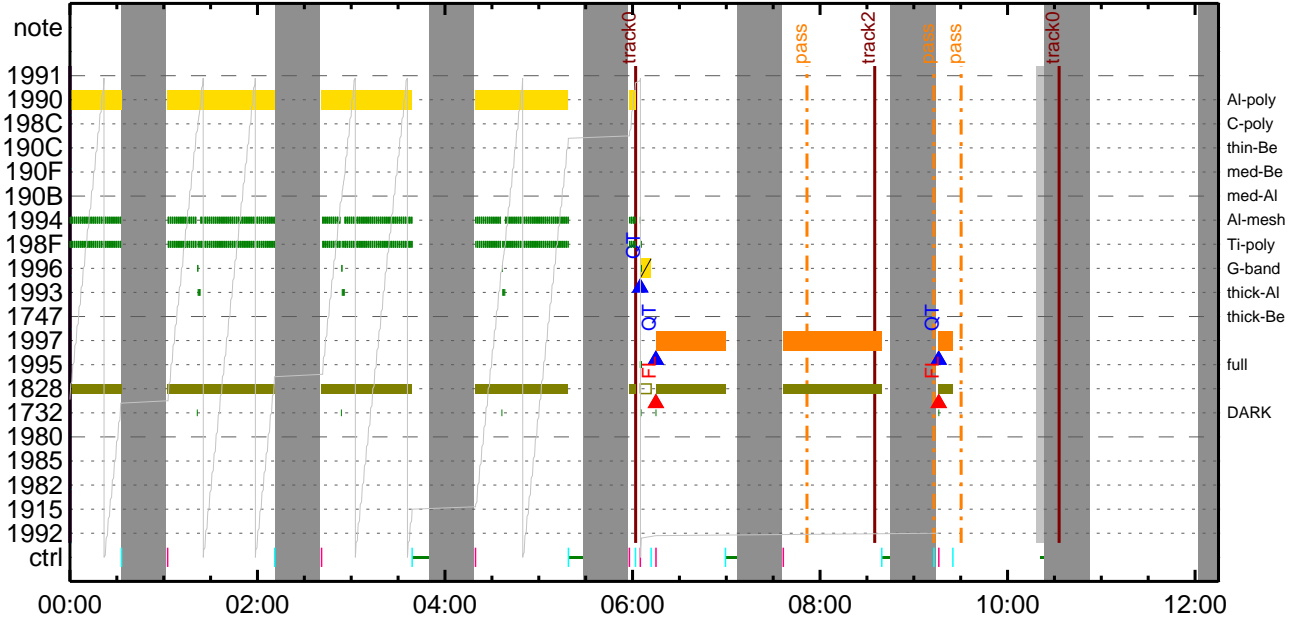
CMDI #0488 2013/05/24



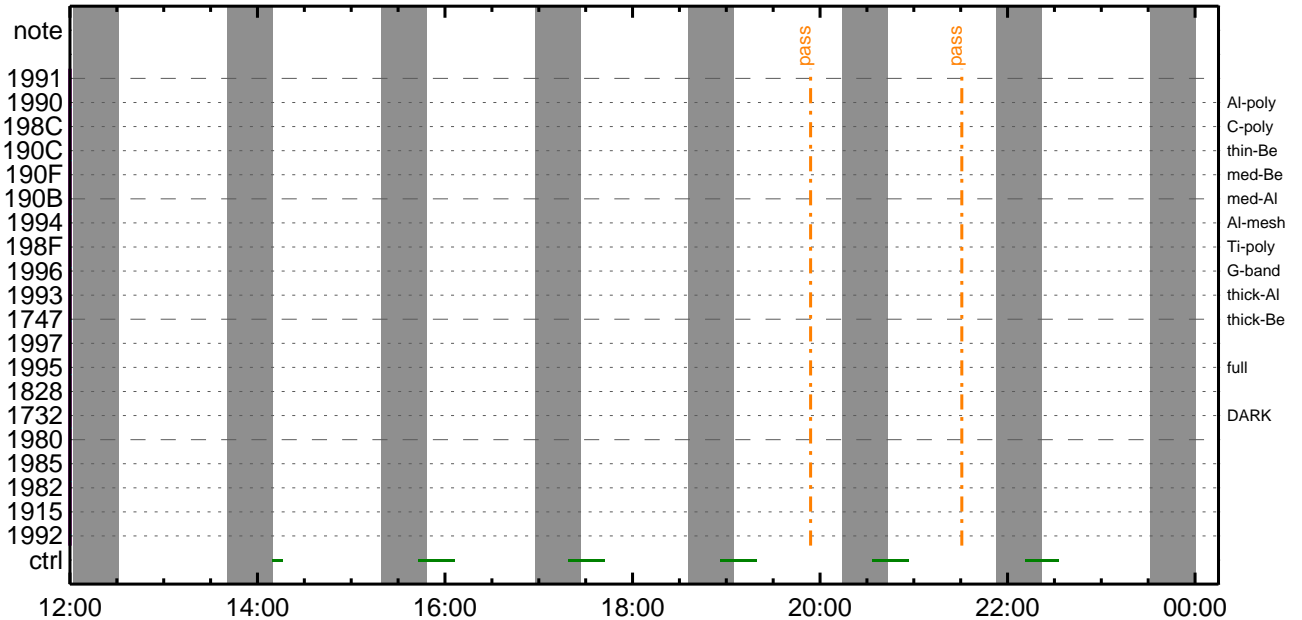
CMDI #0488 2013/05/24



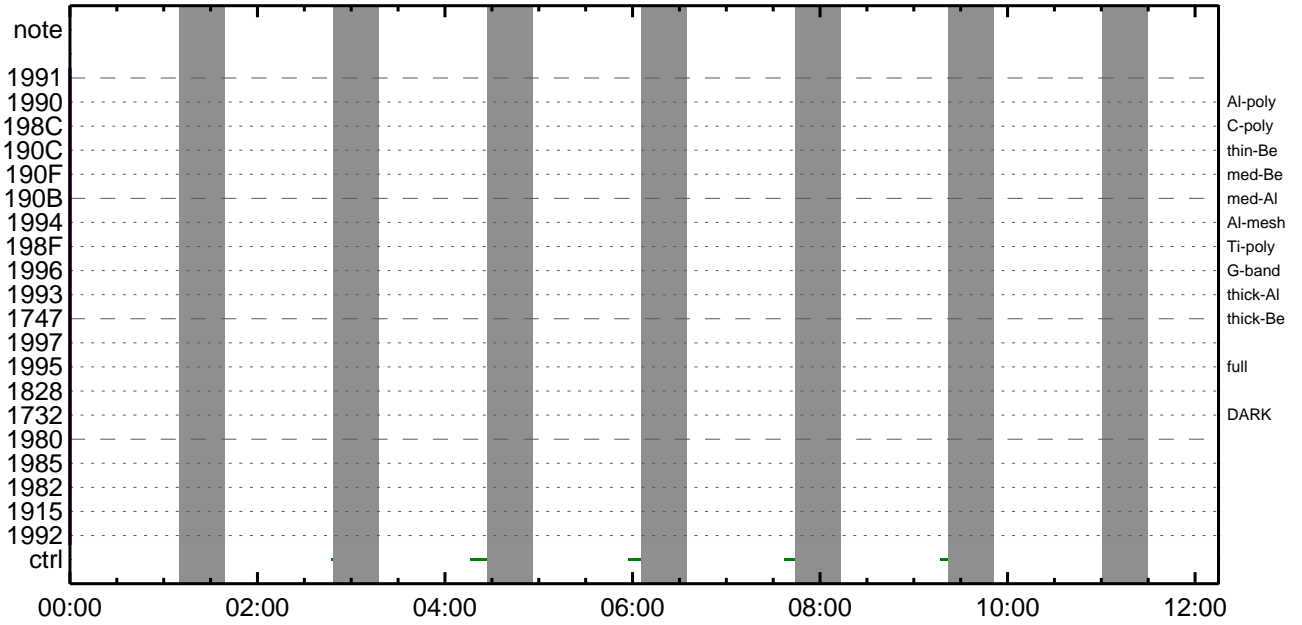
CMDI #0488 2013/05/25



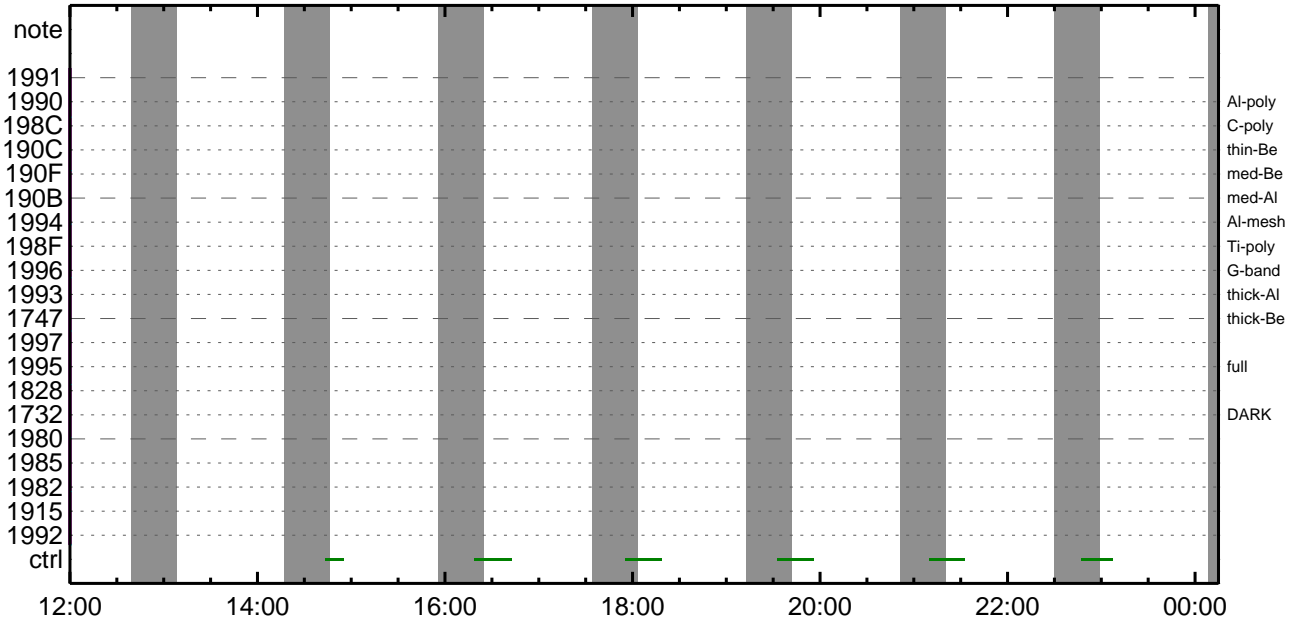
CMDI #0488 2013/05/25



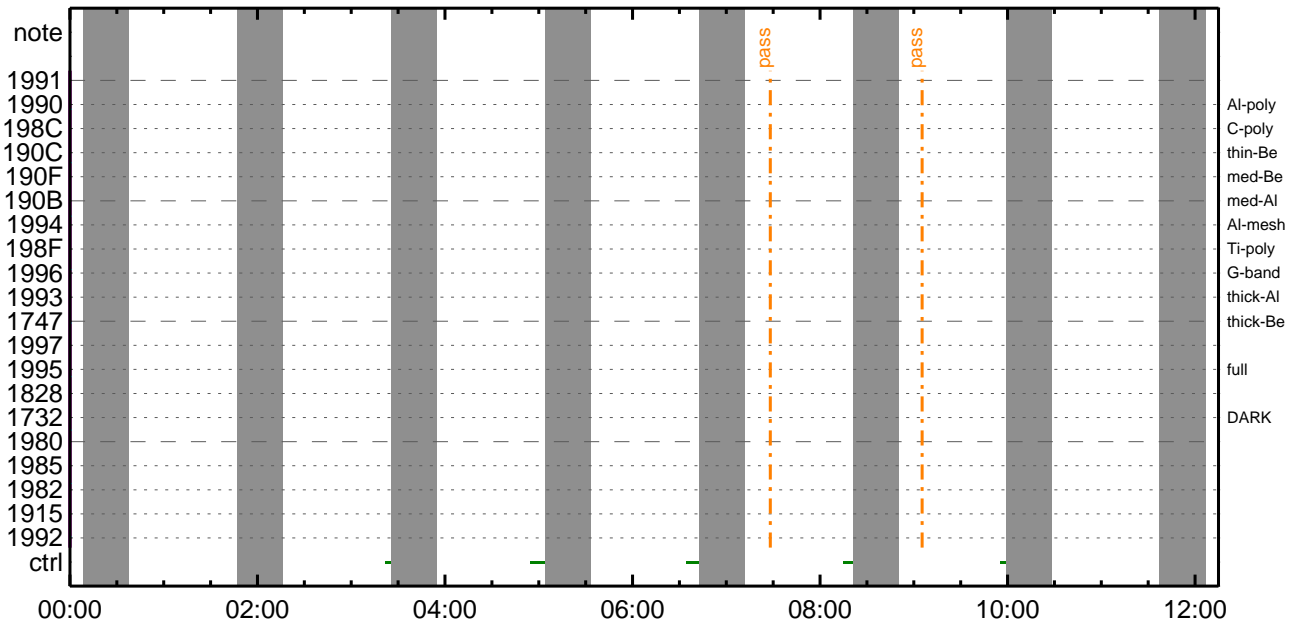
CMDI #0488 2013/05/26



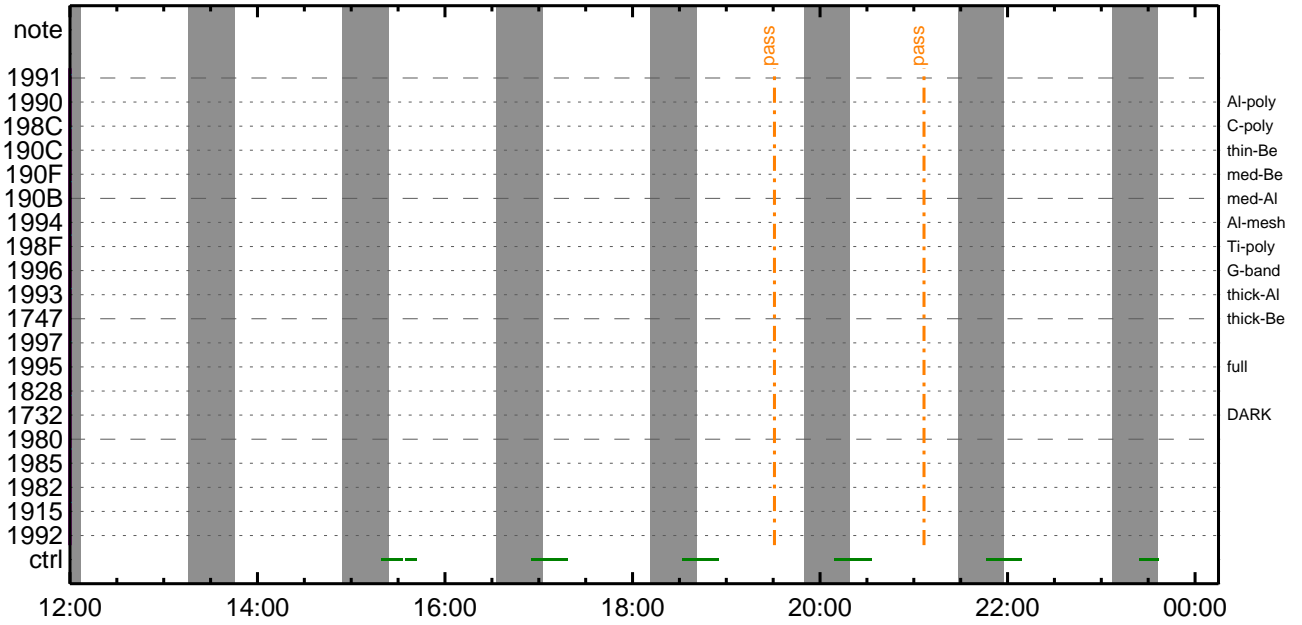
CMDI #0488 2013/05/26



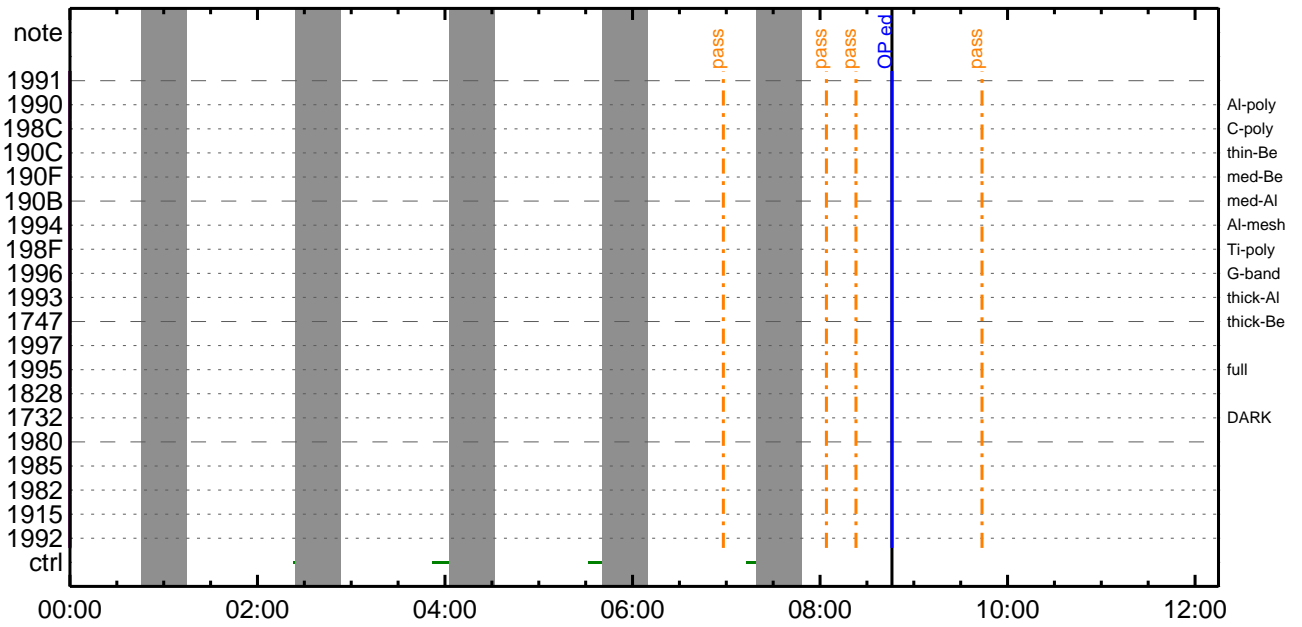
CMDI #0488 2013/05/27



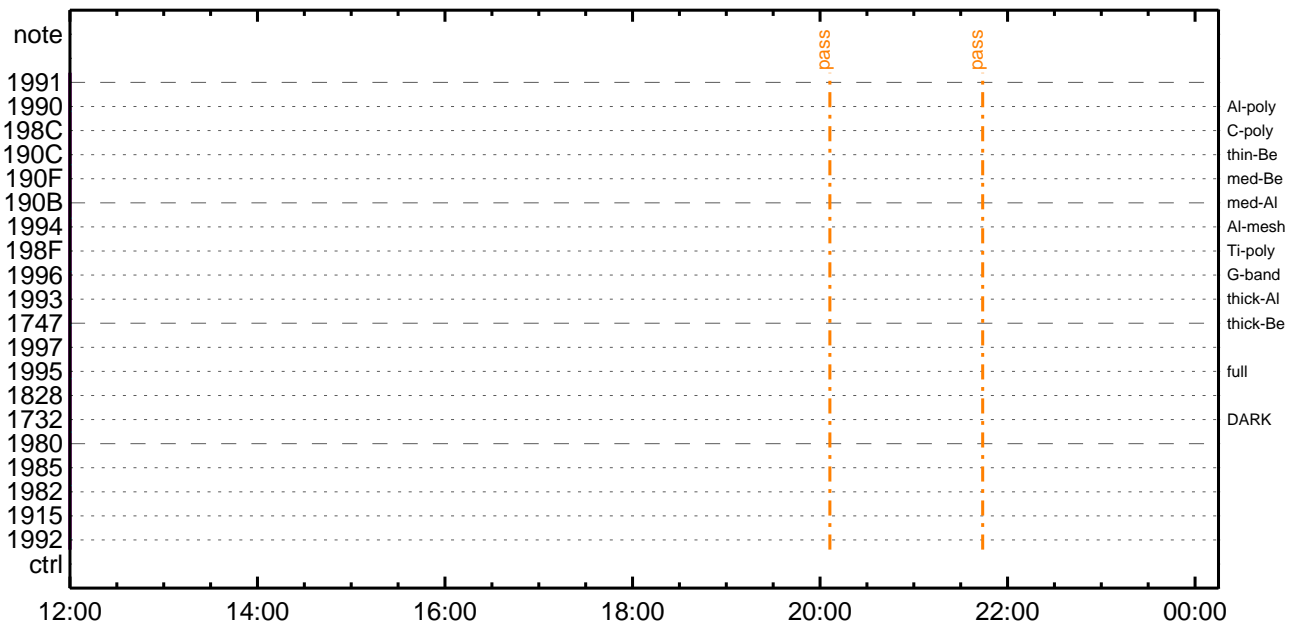
CMDI #0488 2013/05/27



CMDI #0488 2013/05/28



CMDI #0488 2013/05/28



(a) Spacecraft Operation Procedure (real-commands)

```

main-667 2013-05-23 13:22:01 194 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÃY$YÃY-¼Ä»Û;ä
0005 C.
0006 C. YÃY$;¼Y³YF¥ÖYÉÄ+¿©
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Äí;Ë«¿«Ä«•µ°«»Í×ÄÇ«Í¥ÇYÃY×¥í;¼YÉ;ËË«µ•íÉ;Ë«È¼°Ç«•«¿¼í¹Ç«Í;¿Ä®, ù«¹«Ë««¿Ä+¿©«•«Ë«««³«Ë;É
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. OP/OG¥í;¼YÉ;|YÃYÖY×
0016 C. *****
0017 C.
0018 . C. ;ãOP/OG¥í;¼YÉ;ä
0019 . S. OP op-667:OP
0020 ()
0021 . S. OG og-667:OG
0022 ()
0023 C.
0024 . C. ;ãNMOG&OPÍ°èYÃYÖY×;ä
0025 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027 BC (20 00 7f 01 02)
0028 C.      ¿¿[HK1_DMP_TOP_ADRS_1]           EQ      40
0029 C.      ¿¿[HK1_DMP_TOP_ADRS_0]           EQ      0
0030 C.      ¿¿[HK1_DMP_BLOCK_NUM]            EQ     127
0031 C.      ¿¿[HK1_DMP_REPEAT_NUM]          EQ      0
0032 C.      ¿¿[HK1_DMA_DMP_PIM]              EQ     DHU
0033 +. DC 01-22 DHU_MODE_CHNG
0034 BC (07 0b f8)
0035 C.      ¿¿[HK1_PKT_FORM_NO]              EQ      7
0036 C.      ¿¿[HK1_PKT_GEN_TIME]              EQ     0.25 s
0037 C.      ¿¿[HK1_S_TLM_BIT_RATE]           EQ     32k
0038 C.      ¿¿[HK1_X_TLM_BIT_RATE]           EQ      4M
0039 C.      ¿¿[HK1_DMP_CHK_FLG]              EQ     EXEC
0040 . C. YÃYÖY×¼ªª î»«ð³ ÎÇ§
0041 C.      ¿¿[HK1_DMP_CHK_FLG]              EQ     NON
0042 . C. RAM ID=NMOG«Í¼È¹¿•è² ÍOK«ð³ ÎÇ§
0043 C.
0044 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0045 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046 BC (20 80 7f 01 02)
0047 C.      ¿¿[HK1_DMP_TOP_ADRS_1]           EQ      41
0048 C.      ¿¿[HK1_DMP_TOP_ADRS_0]           EQ      0
0049 C.      ¿¿[HK1_DMP_BLOCK_NUM]            EQ     127
0050 C.      ¿¿[HK1_DMP_REPEAT_NUM]          EQ      0
0051 C.      ¿¿[HK1_DMA_DMP_PIM]              EQ     DHU
0052 +. DC 01-22 DHU_MODE_CHNG
0053 BC (07 0b f8)
0054 C.      ¿¿[HK1_PKT_FORM_NO]              EQ      7
0055 C.      ¿¿[HK1_PKT_GEN_TIME]              EQ     0.25 s
0056 C.      ¿¿[HK1_S_TLM_BIT_RATE]           EQ     32k
0057 C.      ¿¿[HK1_X_TLM_BIT_RATE]           EQ      4M
0058 C.      ¿¿[HK1_DMP_CHK_FLG]              EQ     EXEC
0059 . C. YÃYÖY×¼ªª î»«ð³ ÎÇ§
0060 C.      ¿¿[HK1_DMP_CHK_FLG]              EQ     NON
0061 . C. RAM ID=NMOG«Í¼È¹¿•è² ÍOK«ð³ ÎÇ§
0062 C.
0063 C. NMOG(0x210000-0x210FFF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065 BC (21 00 41 01 02)
0066 C.      ¿¿[HK1_DMP_TOP_ADRS_1]           EQ      42
0067 C.      ¿¿[HK1_DMP_TOP_ADRS_0]           EQ      0
0068 C.      ¿¿[HK1_DMP_BLOCK_NUM]            EQ      65
0069 C.      ¿¿[HK1_DMP_REPEAT_NUM]          EQ      0
0070 C.      ¿¿[HK1_DMA_DMP_PIM]              EQ     DHU
0071 +. DC 01-22 DHU_MODE_CHNG
0072 BC (07 0b f8)
0073 C.      ¿¿[HK1_PKT_FORM_NO]              EQ      7
0074 C.      ¿¿[HK1_PKT_GEN_TIME]              EQ     0.25 s
0075 C.      ¿¿[HK1_S_TLM_BIT_RATE]           EQ     32k
0076 C.      ¿¿[HK1_X_TLM_BIT_RATE]           EQ      4M
0077 C.      ¿¿[HK1_DMP_CHK_FLG]              EQ     EXEC
0078 . C. YÃYÖY×¼ªª î»«ð³ ÎÇ§
0079 C.      ¿¿[HK1_DMP_CHK_FLG]              EQ     NON
0080 . C. RAM ID=NMOG,RAM ID=OP«Í¼È¹¿•è² ÍOK«ð³ ÎÇ§
0081 C.
0082 . C. ***** «È²¼«ðÍ¼Ä´ ¶Ä°«ÈÈ-««Ä+¿© (¼áµ-YÃYÖY×¼«¼ç«ðÄÓÄæ«¿ª««°««¼í¹Ç««Ç«â) *****
0083 C. DHU¥ä;¼YÉ;È¼Y¼, ¥í;¼YÉ;Ë«ðÍá«¹
0084 +. DC 01-22 DHU_MODE_CHNG
0085 BC (02 0a f8)
0086 C.      ¿¿[HK1_PKT_FORM_NO]              EQ      2
0087 C.      ¿¿[HK1_PKT_GEN_TIME]              EQ     0.5S
0088 C.      ¿¿[HK1_S_TLM_BIT_RATE]           EQ     32K
0089 C.      ¿¿[HK1_X_TLM_BIT_RATE]           EQ      4M
0090 C.
0091 . C. *****
0092 C. TI-CMD SET (OPOG STOP/COPY/START)
0093 C. *****
0094 C.
0095 . C. NOTICE ;§ OPOG UPLOAD«-Ä+¿©«NG«Í¼í¹¿;¿°È²¼«ðÍTI-CMDÄ+¿©««Í¼Ä¹Ô««•«Ë«««³«Ë;É

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0096 C.                0p0z;çSET0EDUMP0İÆ±°iYÑY¹0Ç¹00|0³0E;E
0097 C.
0098 . C. TIY³YF¥ÖYÉ00dÄDİç(UT)
0099 +. TI 2013-05-23 09:56:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0102 C.
0103 +. TI 2013-05-23 09:56:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0106 C.
0107 +. TI 2013-05-23 09:56:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0110 C.
0111 +. TI 2013-05-23 10:00:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0114 C.
0115 C. °E²¼0İÄè%îíÑ0İYÁY§YÄY-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×½ªİ»0ð³İÇ§
0142 C.                çç[HK1_DMP_CHK_FLG]             EQ        NON
0143 C.
0144 . C. RAM ID=TI_TBL0İ%È¹Ç•è²İOK0ð³İÇ§
0145 C.
0146 . C. DHUYâ;¼YÉ;È¼Y¼, Yî;¼YÈ;È0ðİá0¹
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC (02 0a f8)
0149 C.                çç[HK1_PKT_FORM_NO]              EQ        2
0150 C.                çç[HK1_PKT_GEN_TIME]             EQ        0.5S
0151 C.                çç[HK1_S_TLM_BIT_RATE]           EQ        32K
0152 C.                çç[HK1_X_TLM_BIT_RATE]          EQ        4M
0153 C.
0154 C.
0155 C. ***** XRT START *****
0156 C. Execute, after the success of OP upload.
0157 +. TI 2013-05-23 10:00:00.0
0158 DC 07-F0 MDP_XRT_MODE_STBY
0159 BC (c3)
0160 . C.                [ ] [HK1_TI_CMD_NUM]            EQ        1COUNTUP
0161 C.
0162 C. ***** XRT END *****
0163 . C. Stop EIS observation and temporarily disable EIS mode changes
0164 C.
0165 C.
0166 C. ***** Start EIS operation (TI set) *****
0167 C. Execute, after the success of OP upload.
0168 C. Set EIS TI-commands
0169 +. TI 2013-05-23 10:00:30.0
0170 DC 07-FC EIS_MODE_MANU
0171 BC (21 02)
0172 +. TI 2013-05-23 10:00:40.0
0173 DC 07-FC EIS_MODE_CHG_DIS
0174 BC (22)
0175 . C.                [ ] [HK1_TI_CMD_NUM]            EQ        2 COUNTUP
0176 C. ***** End EIS operation (TI set) *****
0177 C.
0178 C.
0179 C.
0180 . C. ***** MDP ´úÄî0İ»ö¼Y0ÈÄ00¹0èDCBC•x²è *****
0181 C. (%á°İYÖYÄYÉYF¥YÉYÇYè0È¼00¼Ä»Ü0¹0è)
0182 . S. DC-BC dcbc-402:DCBC
0183 (MDP_known_event)
0184 C.
0185 C.
0186 . C. ***** YD¥¹•İ Daily±çİÑ0È'00¹0èDCBC•x²è *****
0187 . S. DC-BC dcbc-153:DCBC
0188 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0189 C.
0190 C.
0191 . C. ;ãLOS¥ÄY§YÄY-¼Ä»Ü;ä
0192 C.
0193 . C. ***** LOS *****

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(a) Spacecraft Operation Procedure (real-commands)

```
main-669 2013-05-23 13:22:01 125 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. ÁíË¿òÀð•µ°®ÍxÁÇçÍYçYÁY×Yí;¼YÉjËÈèµ•ííË;ÈðÈ¼°ÇÇð•ò¿¼í¹ççÍ;çÀ®, ùò¹òèòðçÁ+¿®ð•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 80 80 06 06)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 08 85 83 08 08)
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 0c 80 60 20 18)
0056 + DC 07-F0 MDP_XRT_ROI_SET
0057 BC (cd 0d a0 80 18 20)
0058 + DC 07-F0 MDP_XRT_ROI_SET
0059 BC (cd 0f 80 80 06 06)
0060 + DC 07-F0 MDP_XRT_ROI_SET
0061 BC (cd 10 80 80 08 08)
0062 + DC 07-F0 MDP_XRT_FLD_ENA
0063 BC (d8)
0064 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0065 BC (c8)
0066 + DC 07-F0 MDP_XRT_AEC_RESET
0067 BC (d0)
0068 + DC 07-F0 MDP_XRT_ARS_DIS
0069 BC (d5)
0070 + DC 07-F0 MDP_XRT_FLD_RESET
0071 BC (da)
0072 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0073 BC (c4 0e)
0074 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0075 BC (c5 07)
0076 . C. ----- Success Verify ? OK / NG _____
0077 C.
0078 C.
0079 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0080 C.
0081 +. DC 07-F0 MDP_XRT_MODE_OBSV
0082 BC (c2)
0083 +. TI 2013-05-23 10:00:02.0
0084 DC 07-F0 MDP_XRT_MODE_OBSV
0085 BC (c2)
0086 . C. ----- Success Verify ? OK / NG _____
0087 C.
0088 C. ***** XRT END *****
0089 . C. *****
0090 C. SOT table upload
0091 C. *****
0092 . C. < Stop FG table >
0093 +. DC 07-F0 MDP_FG_CTRL_MANU
0094 BC (51)
0095 . C. -----
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0096 C. MDP_FG_CTRL_MODE = MANU [ ]
0097 C. -----
0098 C.
0099 . C. <Upload FG Observation Table>
0100 . S. RAM ram-262:MDP_OBS_F
0101 ( )
0102 C.
0103 . C. < Dump RAMID=MDP_OBS_F >
0104 +. DC 07-F0 MDP_DUMP_FGTBL
0105 BC (82 07 00 00 00 38 b8)
0106 C. -----
0107 C. MDP_OBS_F verify = OK/NG [ ]
0108 C. -----
0109 C.
0110 C.
0111 . C. ***** MDP `úÃîñî»ò¼ŸαĒĀĐα¹αēDCBC•x²è *****
0112 C. (¼á°îŸÓŸĀŸĒŸŸŸĒŸĀŸçŸēαĒ¼α¼Ā»Ūα¹αē)
0113 . S. DC-BC dcbc-402:DCBC
0114 (MDP_known_event)
0115 C.
0116 C.
0117 . C. ***** ŸDŸ!•Ī Daily±;ĪÑαĒ`Øα¹αēDCBC•x²è *****
0118 . S. DC-BC dcbc-153:DCBC
0119 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0120 C.
0121 C.
0122 . C. ;ãLOSŸĀŸŸŸĀŸ-¼Ā»Ū;ã
0123 C.
0124 . C. ***** LOS *****
0125 C.

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May 23, 13 13:22

XRT_OGLIST_0488.chk

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*** OP Sequence for XRT ***

2013/05/23	10:10:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/05/23	10:10:56.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2013/05/23	10:10:58.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2013/05/23	10:11:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00 54 72 01 0e				
2013/05/23	10:11:00.5	XRT_AEC_RESET_413_OG [0x19d]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2013/05/23	10:11:02.5	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/05/23	10:11:04.5	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/05/23	10:11:06.5	XRT_QT_PROG_SET_445_OG [0x1bd]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 10				
2013/05/23	10:11:08.5	XRT_FL_PROG_SET_435_OG [0x1b3]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2013/05/23	10:11:10.5	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/05/23	10:47:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/05/23	10:47:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/05/23	10:47:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/05/23	10:50:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/05/23	11:16:30.0	XRT_Custom_430_OG [0x1ae]							
2013/05/23	11:17:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/05/23	12:26:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/05/23	12:26:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/05/23	12:26:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/05/23	12:29:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/05/23	12:55:00.0	XRT_Custom_430_OG [0x1ae]							
2013/05/23	12:56:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/05/23	14:05:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/05/23	14:05:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/05/23	14:05:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/05/23	14:08:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/05/23	14:42:00.0	XRT_Custom_430_OG [0x1ae]							
2013/05/23	14:43:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/05/23	15:43:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/05/23	15:43:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/05/23	15:43:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/05/23	15:46:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/05/23	16:11:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	02 00 00 00 00				
2013/05/23	16:27:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/05/23	16:27:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2013/05/23	16:28:16.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2013/05/23	16:28:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2013/05/23	16:28:20.0	XRT_AEC_RESET_413_OG [0x19d]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2013/05/23	16:28:22.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/05/23	16:28:24.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/05/23	16:28:26.0	XRT_QT_PROG_SET_409_OG [0x199]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 13				
2013/05/23	16:30:58.0	XRT_FL_PROG_SET_435_OG [0x1b3]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2013/05/23	16:31:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/05/23	17:09:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/05/23	17:09:56.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2013/05/23	17:10:00.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2013/05/23	17:10:16.0	XRT_FLD_DIS_434_OG [0x1b2]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				

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2013/05/23	17:12:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2013/05/23	17:12:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2013/05/23	17:12:58.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c
2013/05/23	17:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/23	17:22:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/23	17:22:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2013/05/23	17:22:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2013/05/23	17:25:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2013/05/23	18:12:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/23	18:12:30.0	AOCS_Orе-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00	00 00 ac cd
2013/05/23	18:14:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2013/05/23	18:15:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2013/05/23	18:15:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2013/05/23	18:15:20.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2013/05/23	18:15:22.0	XRT_ARS_DIS_425_OG [0x1a9]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2013/05/23	18:15:24.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2013/05/23	18:15:26.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09
2013/05/23	18:15:28.0	XRT_FL_PROG_SET_435_OG [0x1b3]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07
2013/05/23	18:15:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/23	18:28:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/23	18:28:30.0	AOCS_Orе-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	00	00 00 d6 67
2013/05/23	18:30:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2013/05/23	18:31:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2013/05/23	18:31:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2013/05/23	18:31:20.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2013/05/23	18:31:22.0	XRT_ARS_DIS_425_OG [0x1a9]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2013/05/23	18:31:24.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2013/05/23	18:31:26.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09
2013/05/23	18:31:28.0	XRT_FL_PROG_SET_435_OG [0x1b3]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07
2013/05/23	18:31:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/23	18:44:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/23	18:44:26.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2013/05/23	18:44:30.0	AOCS_Orе-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00	00 00 00 00
2013/05/23	18:44:46.0	XRT_FLD_DIS_404_OG [0x194]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2013/05/23	18:44:48.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2013/05/23	18:44:50.0	XRT_ARS_DIS_406_OG [0x196]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2013/05/23	18:47:28.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	02
2013/05/23	18:47:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/23	19:00:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/23	19:00:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2013/05/23	19:00:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2013/05/23	19:03:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2013/05/23	19:43:30.0	XRT_Custom_430_OG [0x1ae]					
2013/05/23	19:44:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/23	19:49:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/23	19:49:30.0	AOCS_Orе-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	00	00 00 29 99
2013/05/23	19:51:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00

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2013/05/23	19:52:16.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2013/05/23	19:52:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2013/05/23	19:52:20.0	XRT_AEC_RESET_413_OG [0x19d]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2013/05/23	19:52:22.0	XRT_ARS_DIS_425_OG [0x1a9]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/05/23	19:52:24.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/05/23	19:52:26.0	XRT_QT_PROG_SET_429_OG [0x1ad]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 09				
2013/05/23	19:52:28.0	XRT_FL_PROG_SET_435_OG [0x1b3]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2013/05/23	19:52:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/05/23	20:05:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/05/23	20:05:30.0	AOCS_OrE-point_Start_7_OG [0x09d]							
		AOCU_NM	5	02-76	00 00 00 53 33				
2013/05/23	20:07:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2013/05/23	20:08:16.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2013/05/23	20:08:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2013/05/23	20:08:20.0	XRT_AEC_RESET_413_OG [0x19d]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2013/05/23	20:08:22.0	XRT_ARS_DIS_425_OG [0x1a9]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/05/23	20:08:24.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/05/23	20:08:26.0	XRT_QT_PROG_SET_429_OG [0x1ad]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 09				
2013/05/23	20:08:28.0	XRT_FL_PROG_SET_435_OG [0x1b3]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2013/05/23	20:08:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/05/23	20:21:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/05/23	20:21:30.0	AOCS_OrE-point_Start_8_OG [0x09e]							
		AOCU_NM	5	02-76	00 d6 36 b7 8e				
2013/05/23	20:23:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2013/05/23	20:24:16.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2013/05/23	20:24:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2013/05/23	20:24:20.0	XRT_AEC_RESET_413_OG [0x19d]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2013/05/23	20:24:22.0	XRT_ARS_DIS_425_OG [0x1a9]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/05/23	20:24:24.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/05/23	20:24:26.0	XRT_QT_PROG_SET_429_OG [0x1ad]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 09				
2013/05/23	20:24:28.0	XRT_FL_PROG_SET_435_OG [0x1b3]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2013/05/23	20:24:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/05/23	20:39:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/05/23	20:39:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/05/23	20:39:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/05/23	20:42:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/05/23	21:20:30.0	XRT_Custom_430_OG [0x1ae]							
2013/05/23	21:21:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/05/23	21:26:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/05/23	21:26:30.0	AOCS_OrE-point_Start_9_OG [0x09f]							
		AOCU_NM	5	02-76	00 b4 b5 db 75				
2013/05/23	21:28:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2013/05/23	21:29:16.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2013/05/23	21:29:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2013/05/23	21:29:20.0	XRT_AEC_RESET_413_OG [0x19d]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2013/05/23	21:29:22.0	XRT_ARS_DIS_425_OG [0x1a9]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/05/23	21:29:24.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/05/23	21:29:26.0	XRT_QT_PROG_SET_429_OG [0x1ad]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 09				
2013/05/23	21:29:28.0	XRT_FL_PROG_SET_435_OG [0x1b3]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2013/05/23	21:29:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				

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2013/05/23	21:42:30.0	AOCS_OrE-point_Start_10_OG [0x0a0]	AOCU_NM	5	02-76	00	ac	5b	00	00
2013/05/23	21:42:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2013/05/23	21:45:26.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2013/05/23	21:45:46.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0		d8			
2013/05/23	21:45:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2013/05/23	21:45:50.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0		d0			
2013/05/23	21:45:52.0	XRT_ARS_DIS_425_OG [0x1a9]	MDP_XRT_ARS_DIS	1	07-F0		d5			
2013/05/23	21:45:54.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0		da			
2013/05/23	21:45:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0		c4	09		
2013/05/23	21:45:58.0	XRT_FL_PROG_SET_435_OG [0x1b3]	MDP_XRT_FL_PROG_SET	2	07-F0		c5	07		
2013/05/23	21:46:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2013/05/23	21:58:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2013/05/23	21:58:30.0	AOCS_OrE-point_Start_11_OG [0x0a1]	AOCU_NM	5	02-76	00	b4	b5	24	8b
2013/05/23	22:00:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2013/05/23	22:01:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0		d8			
2013/05/23	22:01:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2013/05/23	22:01:20.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0		d0			
2013/05/23	22:01:22.0	XRT_ARS_DIS_425_OG [0x1a9]	MDP_XRT_ARS_DIS	1	07-F0		d5			
2013/05/23	22:01:24.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0		da			
2013/05/23	22:01:26.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0		c4	09		
2013/05/23	22:01:28.0	XRT_FL_PROG_SET_435_OG [0x1b3]	MDP_XRT_FL_PROG_SET	2	07-F0		c5	07		
2013/05/23	22:01:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2013/05/23	22:17:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2013/05/23	22:17:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0		da			
2013/05/23	22:17:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0		e8			
2013/05/23	22:20:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0		e9			
2013/05/23	22:55:30.0	XRT_Custom_430_OG [0x1ae]								
2013/05/23	22:56:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2013/05/23	23:01:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2013/05/23	23:01:30.0	AOCS_OrE-point_Start_12_OG [0x0a2]	AOCU_NM	5	02-76	00	d6	36	48	72
2013/05/23	23:03:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2013/05/23	23:04:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0		d8			
2013/05/23	23:04:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2013/05/23	23:04:20.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0		d0			
2013/05/23	23:04:22.0	XRT_ARS_DIS_425_OG [0x1a9]	MDP_XRT_ARS_DIS	1	07-F0		d5			
2013/05/23	23:04:24.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0		da			
2013/05/23	23:04:26.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0		c4	09		
2013/05/23	23:04:28.0	XRT_FL_PROG_SET_435_OG [0x1b3]	MDP_XRT_FL_PROG_SET	2	07-F0		c5	07		
2013/05/23	23:04:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2013/05/23	23:11:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2013/05/23	23:11:30.0	AOCS_OrE-point_Start_13_OG [0x0a3]	AOCU_NM	5	02-76	00	29	ca	b7	8e
2013/05/23	23:13:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2013/05/23	23:14:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0		d8			
2013/05/23	23:14:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2013/05/23	23:14:20.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0		d0			
2013/05/23	23:14:22.0	XRT_ARS_DIS_425_OG [0x1a9]	MDP_XRT_ARS_DIS	1	07-F0		d5			
2013/05/23	23:14:24.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0		da			

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2013/05/23	23:14:26.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09
2013/05/23	23:14:28.0	XRT_FL_PROG_SET_435_OG [0x1b3]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07
2013/05/23	23:14:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/23	23:21:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/23	23:21:30.0	AOCS_ORe-point_Start_14_OG [0x0a4]	AOCU_NM	5	02-76	00 4b 4b db	75
2013/05/23	23:23:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97	00
2013/05/23	23:24:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2013/05/23	23:24:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2013/05/23	23:24:20.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2013/05/23	23:24:22.0	XRT_ARS_DIS_425_OG [0x1a9]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2013/05/23	23:24:24.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2013/05/23	23:24:26.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09
2013/05/23	23:24:28.0	XRT_FL_PROG_SET_435_OG [0x1b3]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07
2013/05/23	23:24:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/23	23:37:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/23	23:37:30.0	AOCS_ORe-point_Start_15_OG [0x0a5]	AOCU_NM	5	02-76	00 53 a5 00	00
2013/05/23	23:39:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97	00
2013/05/23	23:40:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2013/05/23	23:40:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2013/05/23	23:40:20.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2013/05/23	23:40:22.0	XRT_ARS_DIS_425_OG [0x1a9]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2013/05/23	23:40:24.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2013/05/23	23:40:26.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09
2013/05/23	23:40:28.0	XRT_FL_PROG_SET_435_OG [0x1b3]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07
2013/05/23	23:40:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/23	23:56:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/23	23:56:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2013/05/23	23:56:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2013/05/23	23:59:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2013/05/24	00:24:30.0	XRT_Custom_430_OG [0x1ae]					
2013/05/24	00:25:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/24	00:25:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/24	00:26:00.0	AOCS_ORe-point_Start_16_OG [0x0a6]	AOCU_NM	5	02-76	00 4b 4b 24	8b
2013/05/24	00:28:26.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97	00
2013/05/24	00:28:46.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2013/05/24	00:28:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2013/05/24	00:28:50.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2013/05/24	00:28:52.0	XRT_ARS_DIS_425_OG [0x1a9]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2013/05/24	00:28:54.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2013/05/24	00:28:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09
2013/05/24	00:28:58.0	XRT_FL_PROG_SET_435_OG [0x1b3]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07
2013/05/24	00:29:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/24	00:41:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/24	00:42:00.0	AOCS_ORe-point_Start_17_OG [0x0a7]	AOCU_NM	5	02-76	00 29 db 48	72
2013/05/24	00:44:26.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97	00
2013/05/24	00:44:46.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2013/05/24	00:44:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	

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2013/05/24	00:44:50.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2013/05/24	00:44:52.0	XRT_ARS_DIS_425_OG [0x1a9]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/05/24	00:44:54.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2013/05/24	00:44:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09			
2013/05/24	00:44:58.0	XRT_FL_PROG_SET_435_OG [0x1b3]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07			
2013/05/24	00:45:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/05/24	00:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/05/24	00:59:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2013/05/24	01:00:00.0	AOCS_OrE-point_Start_18_OG [0x0a8]	AOCU_NM	5	02-76	00	ac	00	00	00
2013/05/24	01:00:16.0	XRT_FLD_DIS_404_OG [0x194]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2013/05/24	01:00:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2013/05/24	01:00:20.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2013/05/24	01:00:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/05/24	01:00:24.0	XRT_QT_PROG_SET_444_OG [0x1bc]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f			
2013/05/24	01:02:56.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/05/24	03:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/05/24	03:09:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2013/05/24	03:10:00.0	AOCS_OrE-point_Start_19_OG [0x0a9]	AOCU_NM	5	02-76	00	00	00	00	54
2013/05/24	03:10:16.0	XRT_FLD_DIS_404_OG [0x194]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2013/05/24	03:10:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2013/05/24	03:10:20.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2013/05/24	03:10:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/05/24	03:10:24.0	XRT_ROI_A_421_OG [0x1a5]	MDP_XRT_ROI_SET	6	07-F0	cd	05	85	83	06
			MDP_XRT_ROI_SET	6	07-F0	cd	06	85	83	06
			MDP_XRT_ROI_SET	6	07-F0	cd	07	80	80	06
			MDP_XRT_ROI_SET	6	07-F0	cd	09	80	80	20
			MDP_XRT_ROI_SET	6	07-F0	cd	0a	80	80	20
			MDP_XRT_ROI_SET	6	07-F0	cd	0b	80	80	08
			MDP_XRT_ROI_SET	6	07-F0	cd	0d	a0	80	18
			MDP_XRT_ROI_SET	6	07-F0	cd	0f	80	80	06
2013/05/24	03:10:24.5	XRT_ROI_B_436_OG [0x1b4]	MDP_XRT_ROI_SET	6	07-F0	cd	0f	80	80	06
			MDP_XRT_ROI_SET	6	07-F0	cd	10	80	80	08
2013/05/24	03:10:29.5	XRT_QT_PROG_SET_446_OG [0x1be]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2013/05/24	03:13:01.5	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/05/24	05:53:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/05/24	05:53:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2013/05/24	05:54:00.0	AOCS_OrE-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00	00	00	00	00
2013/05/24	05:54:16.0	XRT_FLD_DIS_434_OG [0x1b2]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2013/05/24	05:56:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2013/05/24	05:56:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/05/24	05:56:58.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c			
2013/05/24	05:57:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/05/24	06:03:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/05/24	06:03:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2013/05/24	06:04:00.0	AOCS_OrE-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	02	00	00	00	00
2013/05/24	06:04:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2013/05/24	06:04:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2013/05/24	06:04:20.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2013/05/24	06:04:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/05/24	06:04:24.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2013/05/24	06:04:26.0	XRT_QT_PROG_SET_409_OG [0x199]								

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2013/05/24	06:06:58.0	XRT_FL_PROG_SET_435_OG [0x1b3]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	13
			MDP_XRT_FL_PROG_SET	2	07-F0	c5	07
2013/05/24	06:07:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/24	06:22:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/24	06:22:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2013/05/24	06:22:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2013/05/24	06:25:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2013/05/24	06:58:30.0	XRT_Custom_430_OG [0x1ae]					
2013/05/24	06:59:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/24	08:02:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/24	08:02:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2013/05/24	08:02:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2013/05/24	08:05:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2013/05/24	08:37:00.0	XRT_Custom_430_OG [0x1ae]					
2013/05/24	08:38:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/24	09:42:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/24	09:42:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2013/05/24	09:42:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2013/05/24	09:45:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2013/05/24	10:15:30.0	XRT_Custom_430_OG [0x1ae]					
2013/05/24	10:16:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/24	11:25:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/24	11:25:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2013/05/24	11:25:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2013/05/24	11:28:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2013/05/24	11:54:00.0	XRT_Custom_430_OG [0x1ae]					
2013/05/24	11:55:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/24	13:03:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/24	13:03:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2013/05/24	13:03:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2013/05/24	13:06:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2013/05/24	13:32:30.0	XRT_Custom_430_OG [0x1ae]					
2013/05/24	13:33:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/24	14:42:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/24	14:42:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2013/05/24	14:42:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2013/05/24	14:45:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2013/05/24	15:20:00.0	XRT_Custom_430_OG [0x1ae]					
2013/05/24	15:21:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/24	15:26:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/24	15:26:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2013/05/24	15:26:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2013/05/24	15:29:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2013/05/24	15:29:30.0	XRT_Custom_430_OG [0x1ae]					
2013/05/24	15:30:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2013/05/24	16:20:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2013/05/24	16:20:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2013/05/24	16:20:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2013/05/24	16:23:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2013/05/24	17:06:00.0	XRT_Custom_430_OG [0x1ae]					
2013/05/24	17:07:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	

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2013/05/24	17:44:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/24	17:44:56.0	XRT_FOCUS_POSITION_403_OG [0x193] XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2013/05/24	17:45:00.0	AOCS_ORe-point_Start_3_OG [0x099] AOCU_NM	5	02-76	00 00 00 00 00
2013/05/24	17:45:16.0	XRT_FLD_DIS_434_OG [0x1b2] MDP_XRT_FLD_DIS	1	07-F0	d9
2013/05/24	17:47:54.0	XRT_FLRCTRL_DIS_405_OG [0x195] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2013/05/24	17:47:56.0	XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS	1	07-F0	d5
2013/05/24	17:47:58.0	XRT_QT_PROG_SET_438_OG [0x1b6] MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c
2013/05/24	17:48:00.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/05/24	17:55:00.0	AOCS_ORe-point_Start_2_OG [0x098] AOCU_NM	5	02-76	02 00 00 00 00
2013/05/24	17:59:00.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/24	17:59:02.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2013/05/24	17:59:04.0	XRT_PREFLR_STRT_418_OG [0x1a2] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/05/24	18:02:14.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/05/24	18:41:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/24	18:41:56.0	XRT_FOCUS_POSITION_410_OG [0x19a] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2013/05/24	18:42:16.0	XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA	1	07-F0	d8
2013/05/24	18:42:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2013/05/24	18:42:20.0	XRT_AEC_RESET_413_OG [0x19d] MDP_XRT_AEC_RESET	1	07-F0	d0
2013/05/24	18:42:22.0	XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS	1	07-F0	d5
2013/05/24	18:42:24.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2013/05/24	18:42:26.0	XRT_QT_PROG_SET_409_OG [0x199] MDP_XRT_QT_PROG_SET	2	07-F0	c4 13
2013/05/24	18:44:58.0	XRT_FL_PROG_SET_435_OG [0x1b3] MDP_XRT_FL_PROG_SET	2	07-F0	c5 07
2013/05/24	18:45:00.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/05/24	19:37:30.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/24	19:37:32.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2013/05/24	19:37:34.0	XRT_PREFLR_STRT_418_OG [0x1a2] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/05/24	19:40:44.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/05/24	20:20:00.0	XRT_Custom_430_OG [0x1ae]			
2013/05/24	20:21:00.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/05/24	21:16:00.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/24	21:16:02.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2013/05/24	21:16:04.0	XRT_PREFLR_STRT_418_OG [0x1a2] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/05/24	21:19:14.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/05/24	21:56:30.0	XRT_Custom_430_OG [0x1ae]			
2013/05/24	21:57:30.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/05/24	22:54:30.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/24	22:54:32.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2013/05/24	22:54:34.0	XRT_PREFLR_STRT_418_OG [0x1a2] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/05/24	22:57:44.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/05/24	23:26:30.0	XRT_Custom_430_OG [0x1ae]			
2013/05/24	23:27:30.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/05/25	00:33:00.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/25	00:33:02.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2013/05/25	00:33:04.0	XRT_PREFLR_STRT_418_OG [0x1a2] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/05/25	00:36:14.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/05/25	01:01:30.0	XRT_Custom_430_OG [0x1ae]			
2013/05/25	01:02:30.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/05/25	02:11:00.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/25	02:11:02.0	XRT_FLD_RESET_415_OG [0x19f]			

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2013/05/25	02:11:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/05/25	02:14:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/05/25	02:40:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/05/25	02:41:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/05/25	03:39:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/25	03:39:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/05/25	03:39:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/05/25	03:42:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/05/25	04:18:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/05/25	04:19:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/25	05:19:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/25	05:19:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/05/25	05:19:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/05/25	05:22:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/05/25	05:57:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/05/25	05:58:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/25	06:01:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/25	06:01:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2013/05/25	06:02:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00
2013/05/25	06:02:16.0	XRT_FLD_DIS_434_OG [0x1b2]	MDP_XRT_FLD_DIS	1	07-F0	d9
2013/05/25	06:04:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2013/05/25	06:04:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2013/05/25	06:04:58.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c
2013/05/25	06:05:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/05/25	06:11:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/25	06:14:26.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2013/05/25	06:14:46.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2013/05/25	06:14:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2013/05/25	06:14:50.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_AEC_RESET	1	07-F0	d0
2013/05/25	06:14:52.0	XRT_ARS_DIS_425_OG [0x1a9]	MDP_XRT_ARS_DIS	1	07-F0	d5
2013/05/25	06:14:54.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/05/25	06:14:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 09
2013/05/25	06:14:58.0	XRT_FL_PROG_SET_435_OG [0x1b3]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07
2013/05/25	06:15:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/05/25	06:59:30.5	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/25	06:59:32.5	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/05/25	06:59:34.5	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/05/25	07:02:44.5	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/05/25	07:35:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/05/25	07:36:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/25	08:35:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	02 00 00 00 00
2013/05/25	08:39:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/25	08:39:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/05/25	08:39:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/05/25	08:42:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/05/25	09:12:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/25	09:15:26.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2013/05/25	09:15:46.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8

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2013/05/25	09:15:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2013/05/25	09:15:50.0	XRT_AEC_RESET_413_OG [0x19d]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2013/05/25	09:15:52.0	XRT_ARS_DIS_425_OG [0x1a9]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2013/05/25	09:15:54.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2013/05/25	09:15:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 09
2013/05/25	09:15:58.0	XRT_FL_PROG_SET_435_OG [0x1b3]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07
2013/05/25	09:16:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/05/25	09:25:00.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/05/25	10:33:00.0	AOCS_ORe-point_Start_3_OG [0x099]			
		AOCU_NM	5	02-76	00 00 00 00 00