

XRT Timeline to be uploaded on 2012/07/24

Period: 2012/07/24 10:13:00 - 2012/07/28 09:57:00

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Normal mode

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XOB #1910: AR Standard-A(Filter-Ratio) with PFB, FW1=Open, 384x384 at 1064 1048, 70s cad With G-band Test												
Term	Pointing (x, y)							Comment				
07/24 10:21:30 - 07/24 10:22:54	Fixed (,)											
PROG= 08 Inf.-time(s)												
┌ Subr= 1 1-time(s) 2.0sec												
└ Seqn= 83 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= 35 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	44ms	Obs 1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
└ Seqn= 1 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
┌ Subr= 3 1-time(s) 2.0sec												
└ Seqn= 53 50-time(s) 70.0sec												
	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 #1912: AR Standard-A(Filter-Ratio) with PFB, FW1=Open, 384x384 at 1064 1048, 60s cad With G-band Test												
Term	Pointing (x, y)							Comment				
07/24 10:26:00 - 07/24 16:26:30	Track (-332.1, -424.0) ^{Ⓢ 07/24 10:23:00}	# OP start + 10min/ AR11526										
07/24 19:43:00 - 07/25 01:59:54	Track (-259.3, -426.9) ^{Ⓢ 07/24 19:40:00}	#AR11526										
07/25 04:38:00 - 07/25 06:16:54	Track (-187.5, -429.1) ^{Ⓢ 07/25 04:35:00}	HOP173 AR11526										
07/25 06:20:00 - 07/25 18:05:24	Track (-173.7, -429.4) ^{Ⓢ 07/25 06:17:00}	#AR11526										
07/25 18:18:30 - 07/25 21:59:30	Track (-75.0, -431.4) ^{Ⓢ 07/25 18:15:30}	#AR11526										
07/26 02:03:00 - 07/26 03:59:54	Track (-10.6, -432.1) ^{Ⓢ 07/26 02:00:00}	HOP173 AR11526										
07/26 04:13:00 - 07/26 05:59:54	Track (7.5, -432.2) ^{Ⓢ 07/26 04:10:00}	HOP173 AR11526										
07/26 06:03:00 - 07/26 09:25:54	Track (22.8, -432.3) ^{Ⓢ 07/26 06:00:00}	#AR11526										
PROG= 17 Inf.-time(s)												
┌ Subr= 1 1-time(s) 2.0sec												
└ Seqn= 73 2-time(s) 2.0sec												
	Open/G-band	Open/G-band	close	Safe	Norm	63ms	Obs 1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
┌ Subr= 2 2-time(s) 2.0sec												
└ Seqn= 35 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	44ms	Obs 1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
└ Seqn= 1 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= 53 30-time(s) 60.0sec												
	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 #18FF: Synoptic Q95 2x2 - Al/mesh(12/723) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Ti-poly(24/1443) + G-band(12)												
Term	Pointing (x, y)							Comment				
07/24 19:33:00 - 07/24 19:39:54	Fixed (0.0, 0.0)	synoptic, shifted manually										
07/25 04:28:00 - 07/25 04:34:54	Fixed (0.0, 0.0)	synoptic										
07/25 18:08:30 - 07/25 18:15:24	Fixed (0.0, 0.0)	synoptic, shifted 5.5 min										
07/26 04:03:00 - 07/26 04:09:54	Fixed (0.0, 0.0)	synoptic, shifted manually										
PROG= 03 1-time(s)												
┌ Subr= 1 1-time(s) 12.0sec												
└ Seqn= 46 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	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= 69		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	1.41s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Seqn= 9		1-time(s)	2.0sec									
	Open/G-band	Open/G-band	open	Safe	Norm	12ms	Obs	2x2	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 #1911: HOP173 prominence Al/mesh, Ti/poly, G-band(45ms)-DPCM 1x1-512x512-FOV -AEC2-5min cadence with G-band Test													
Term	Pointing (x, y)								Comment				
07/25 02:03:00 - 07/25 03:45:30	Fixed (-922.0, -190.0)								HOP173 prominence				
PROG= 09 1-time(s)													
Subr= 3 1-time(s) 2.0sec													
Seqn= 33 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	close	Safe	Norm	63ms	Obs	1x1	512x512 (1024, 1024)	DPCM	0	0	2.0sec
Subr= 2 1-time(s) 2.0sec													
Seqn= 67 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	512x512 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 1 12-time(s) 300.0sec													
Seqn= 74 1-time(s) 2.0sec													
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	1x1	512x512 (1024, 1024)	DPCM	2	0	2.0sec
Seqn= 70 1-time(s) 2.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	16.0s	Obs	1x1	512x512 (1024, 1024)	DPCM	2	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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				
07/25 22:15:00 - 07/25 23:59:54	Fixed (0.0, 945.0)								Co-alignment at N-pole				
PROG= 16 1-time(s)													
Subr= 1 1-time(s) 360.0sec													
Seqn= 26 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	

XOB #190C: G-Band Alignment with East limb Q90 2x2 (G-band only) - 12msec- 8 min cadence-wNGT-2													
Term	Pointing (x, y)								Comment				
07/26 00:15:00 - 07/26 01:59:54	Fixed (-945.0, 0.0)								Co-alignment at E-limb				
PROG= 02 1-time(s)													
Subr= 1 1-time(s) 360.0sec													
Seqn= 44 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 #1909: Flare Standard Obs. with eruptions mode-A (FW1=Open)-45ms G-band													
Term	Pointing (x, y)								Comment				
07/24 10:26:00 - 07/24 16:26:30	Track (-332.1, -424.0) ^{Ⓜ 07/24 10:23:00}								# OP start + 10min/ AR11526				
07/24 19:43:00 - 07/25 01:59:54	Track (-259.3, -426.9) ^{Ⓜ 07/24 19:40:00}								#AR11526				
07/25 02:03:00 - 07/25 03:45:30	Fixed (-922.0, -190.0)								HOP173 prominence				
07/25 04:38:00 - 07/25 06:16:54	Track (-187.5, -429.1) ^{Ⓜ 07/25 04:35:00}								HOP173 AR11526				
07/25 06:20:00 - 07/25 18:05:24	Track (-173.7, -429.4) ^{Ⓜ 07/25 06:17:00}								#AR11526				
07/25 18:18:30 - 07/25 21:59:30	Track (-75.0, -431.4) ^{Ⓜ 07/25 18:15:30}								#AR11526				
07/26 02:03:00 - 07/26 03:59:54	Track (-10.6, -432.1) ^{Ⓜ 07/26 02:00:00}								HOP173 AR11526				
07/26 04:13:00 - 07/26 05:59:54	Track (7.5, -432.2) ^{Ⓜ 07/26 04:10:00}								HOP173 AR11526				
07/26 06:03:00 - 07/26 09:25:54	Track (22.8, -432.3) ^{Ⓜ 07/26 06:00:00}								#AR11526				
PROG= 14 1-time(s)													
Subr= 1 30-time(s) 20.0sec													
Seqn= 88 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=100 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= 43 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
Subr= 3 30-time(s) 60.0sec													
Seqn= 88 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= 43		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
Subr= 3	30-time(s)		60.0sec										
	Seqn= 88		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= 43		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
Subr= 3	30-time(s)		60.0sec										
	Seqn= 88		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= 89		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

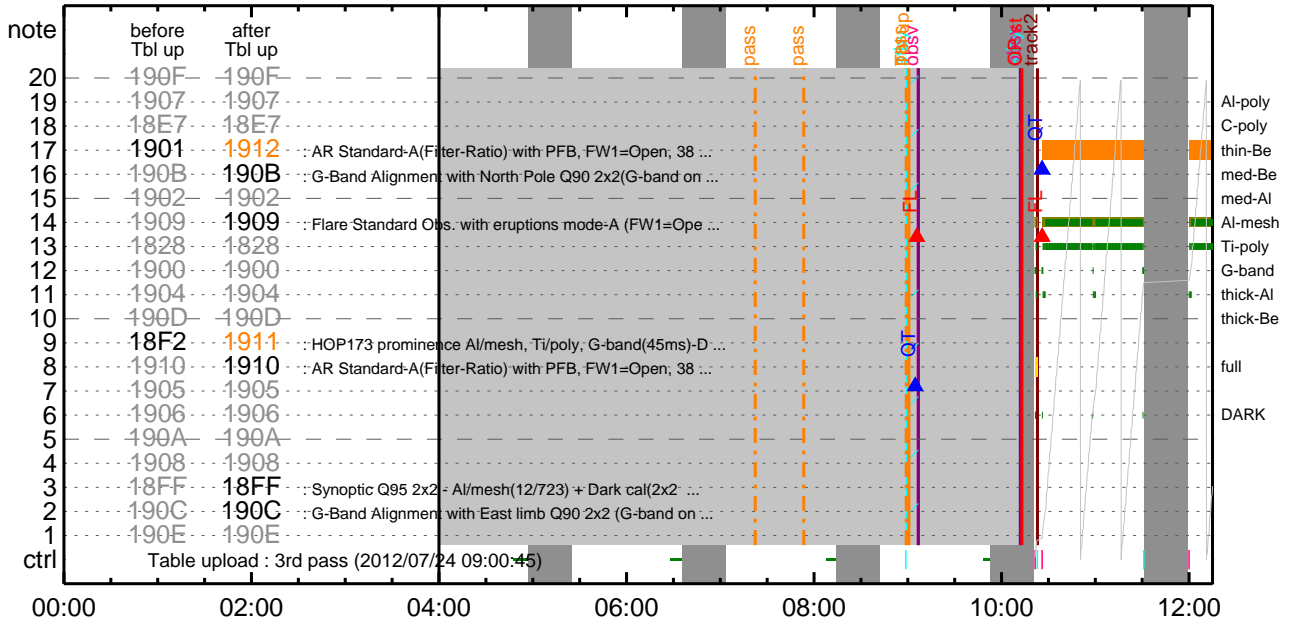
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Flare Detection

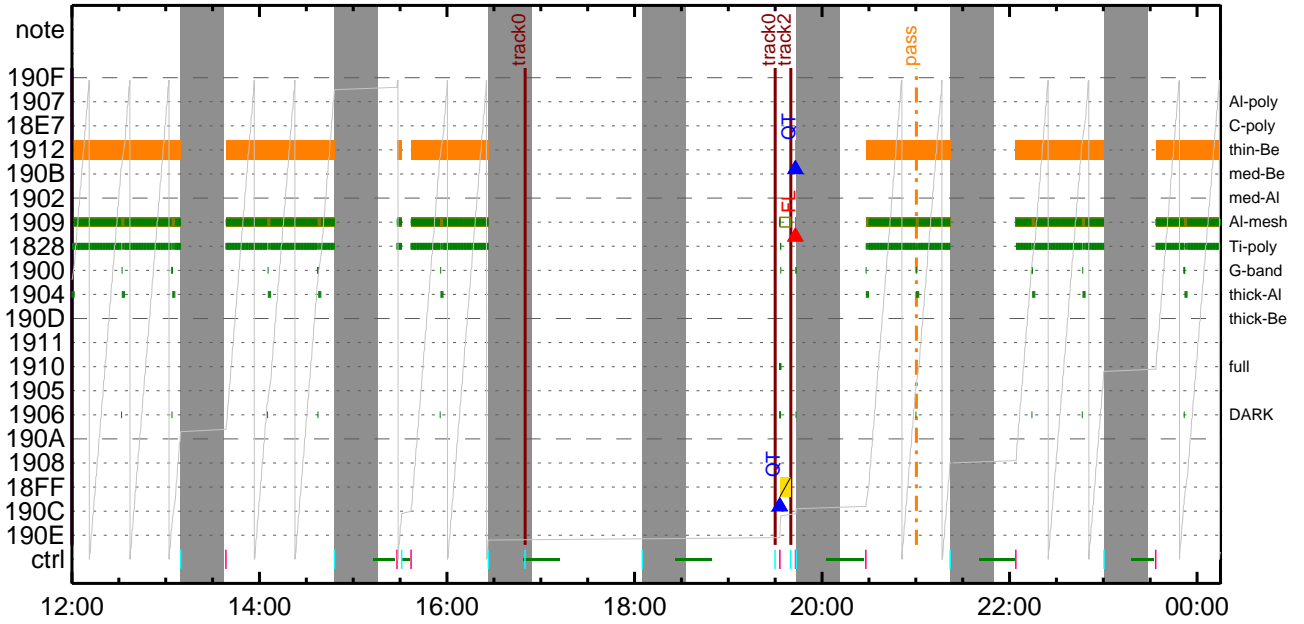
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FLD Patrol												
Term	Pointing (x, y)						Comment					
07/24 10:25:46 - 07/24 19:30:16	Track (-332.1, -424.0) @ 07/24 10:23:00						# OP start + 10min/ AR11526					
07/24 19:42:46 - 07/25 04:25:16	Track (-259.3, -426.9) @ 07/24 19:40:00						#AR11526					
07/25 04:37:46 - 07/25 18:05:46	Track (-187.5, -429.1) @ 07/25 04:35:00						HOP173 AR11526					
07/25 18:18:16 - 07/25 22:14:48	Track (-75.0, -431.4) @ 07/25 18:15:30						#AR11526					
07/26 02:02:46 - 07/26 04:00:16	Track (-10.6, -432.1) @ 07/26 02:00:00						HOP173 AR11526					
07/26 04:12:46 - 07/28 09:57:00	Track (7.5, -432.2) @ 07/26 04:10:00						HOP173 AR11526					
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	

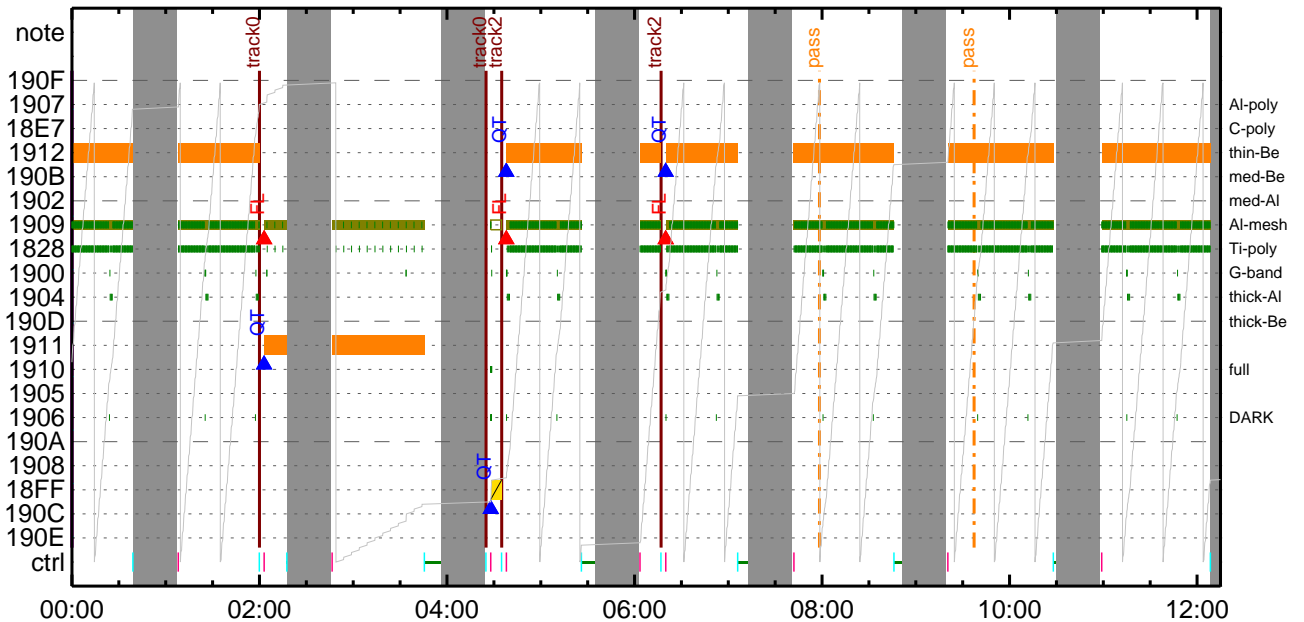
CMDI #0792 2012/07/24



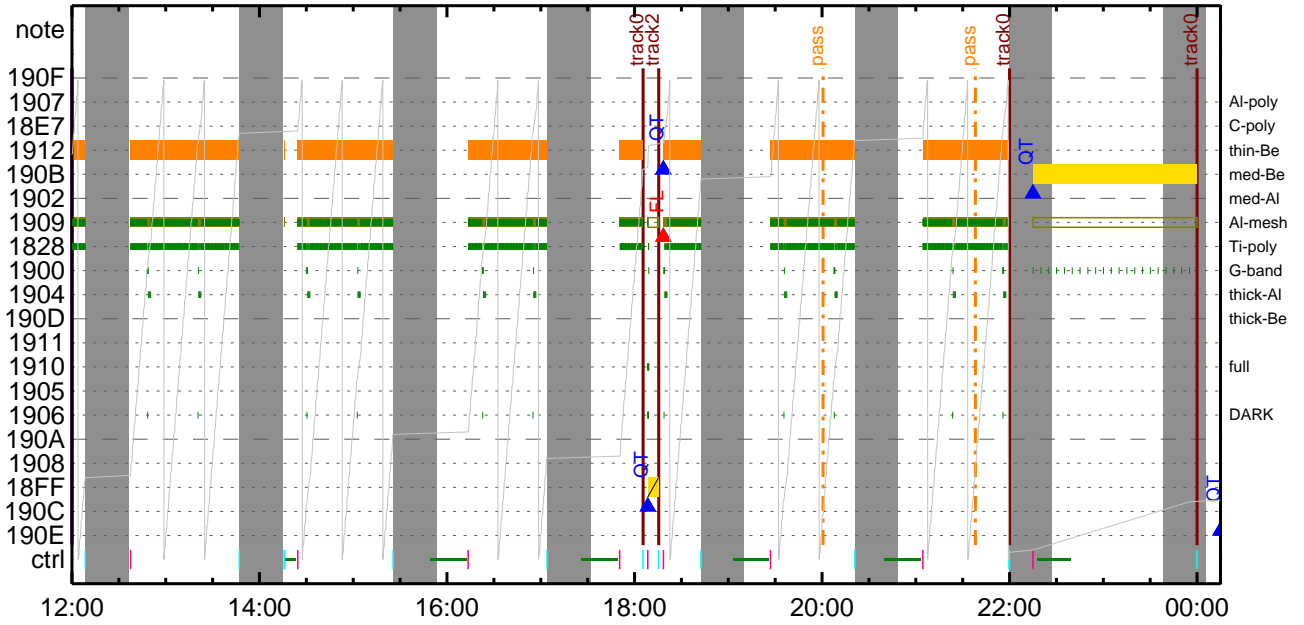
CMDI #0792 2012/07/24



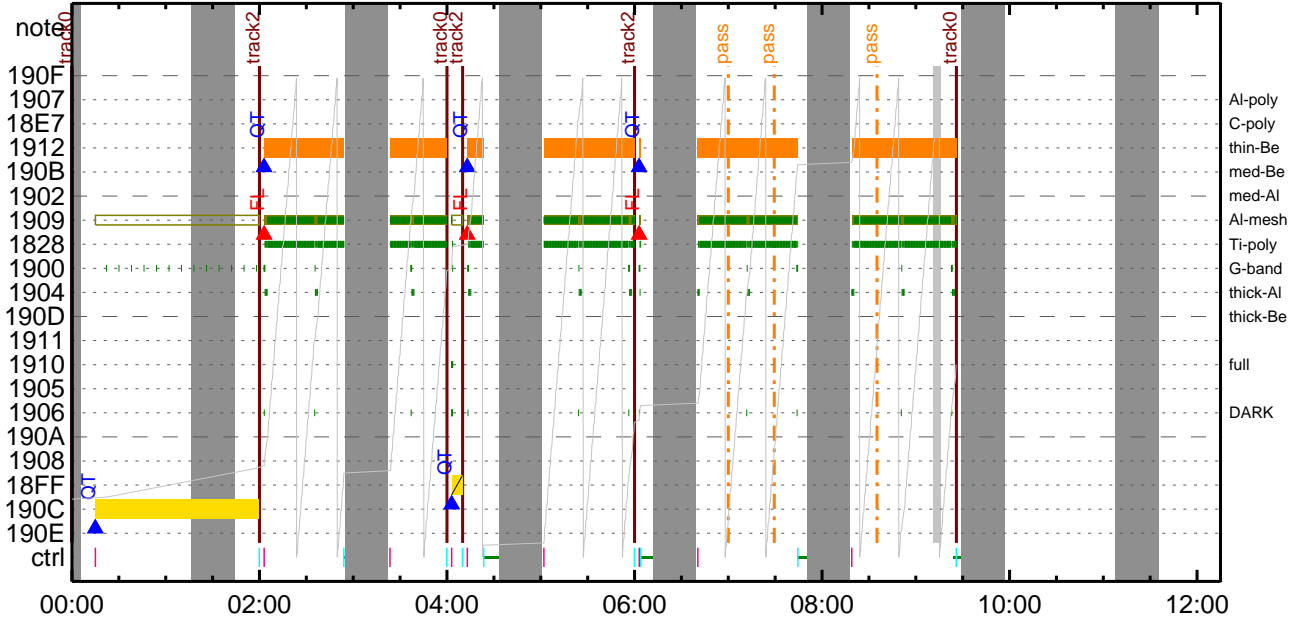
CMDI #0792 2012/07/25



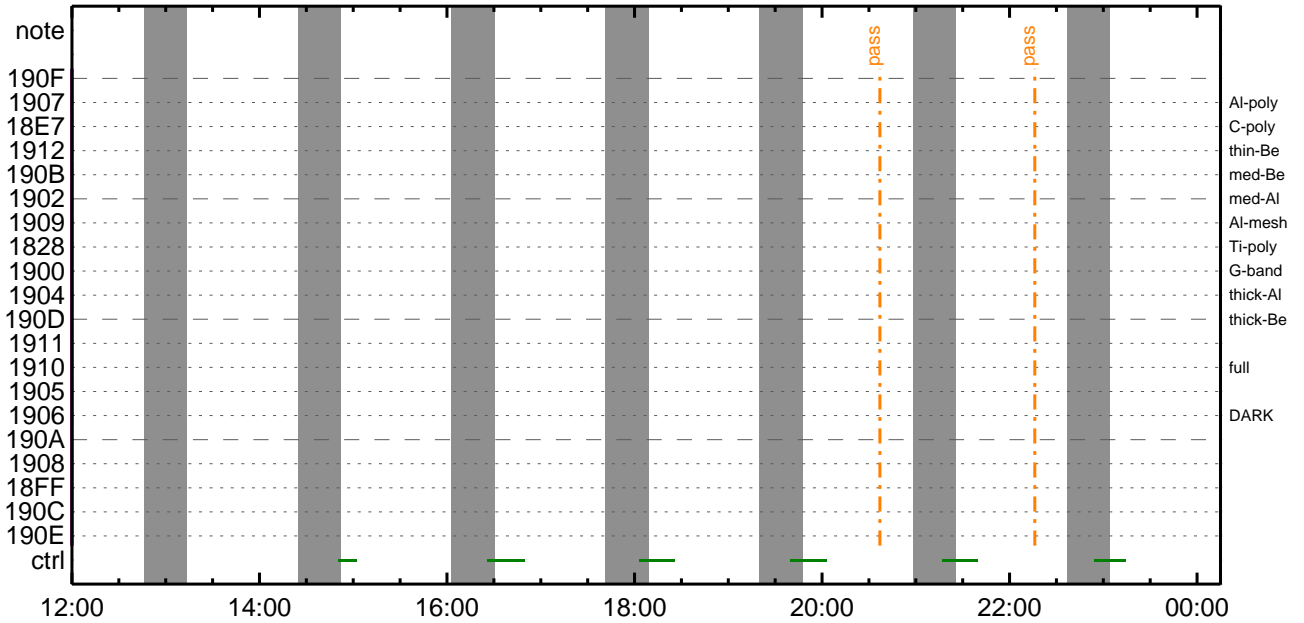
CMDI #0792 2012/07/25



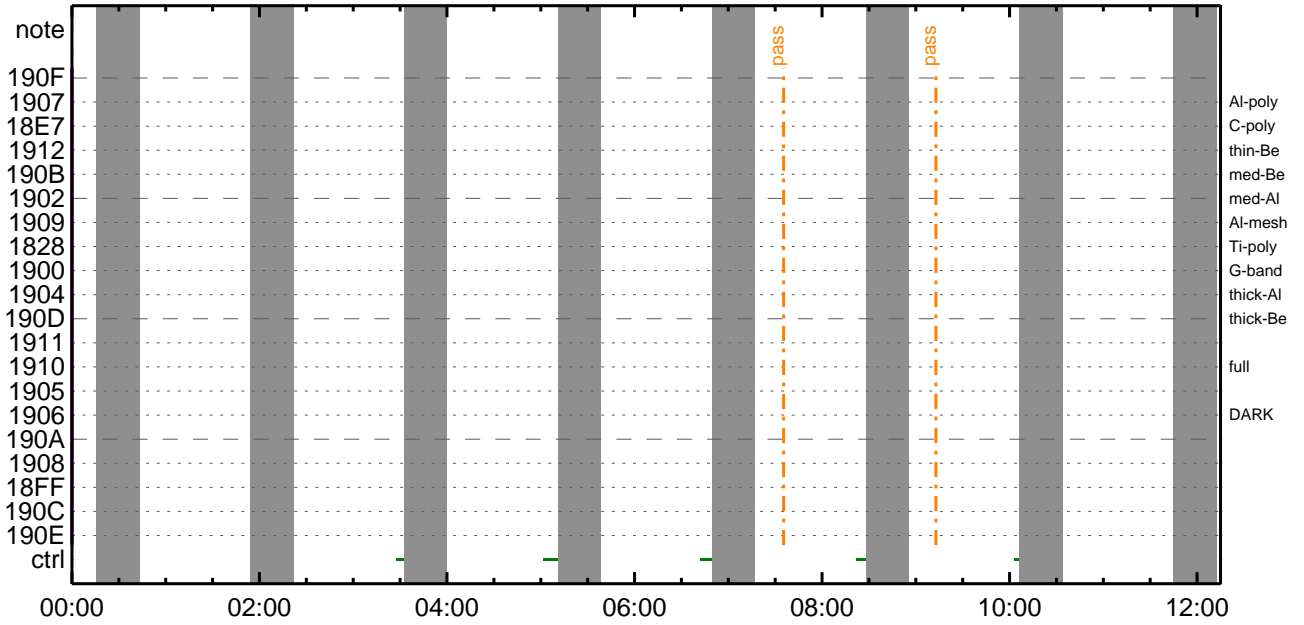
CMDI #0792 2012/07/26



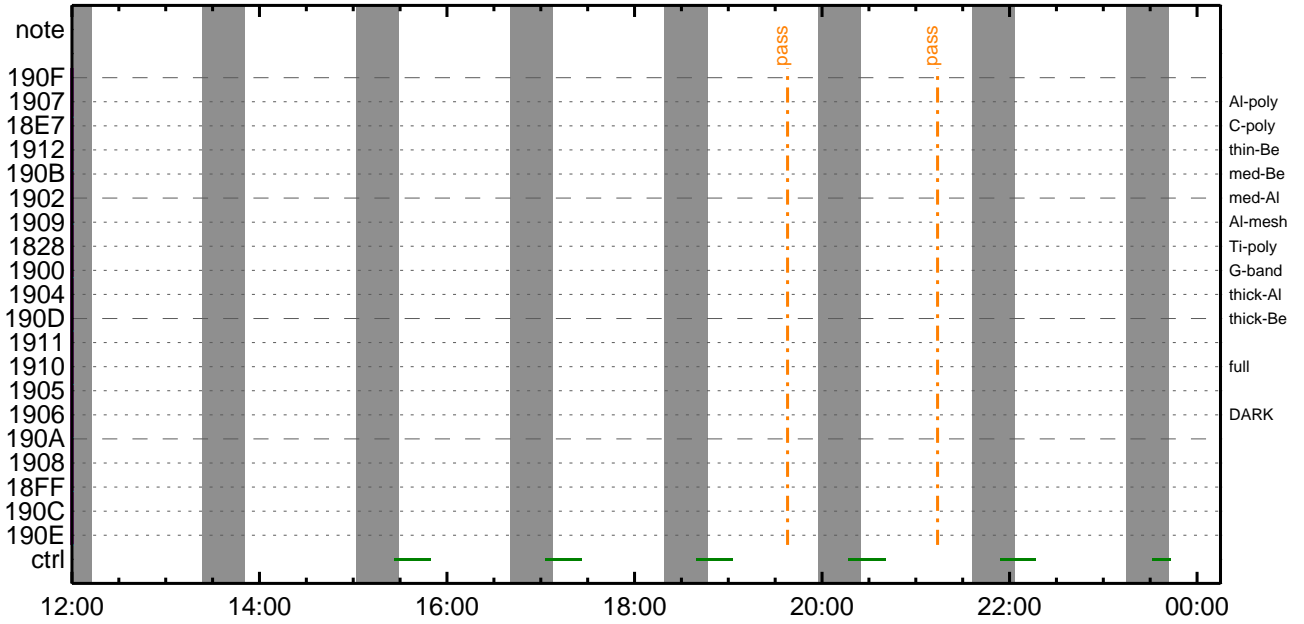
CMDI #0792 2012/07/26



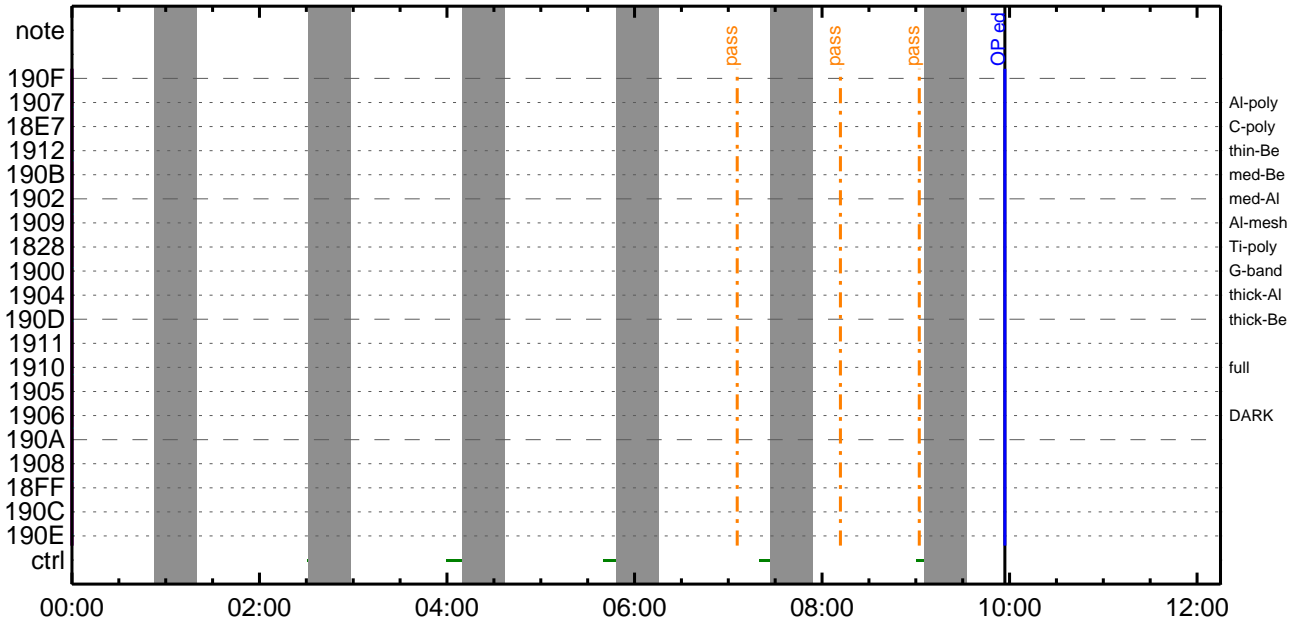
CMDI #0792 2012/07/27



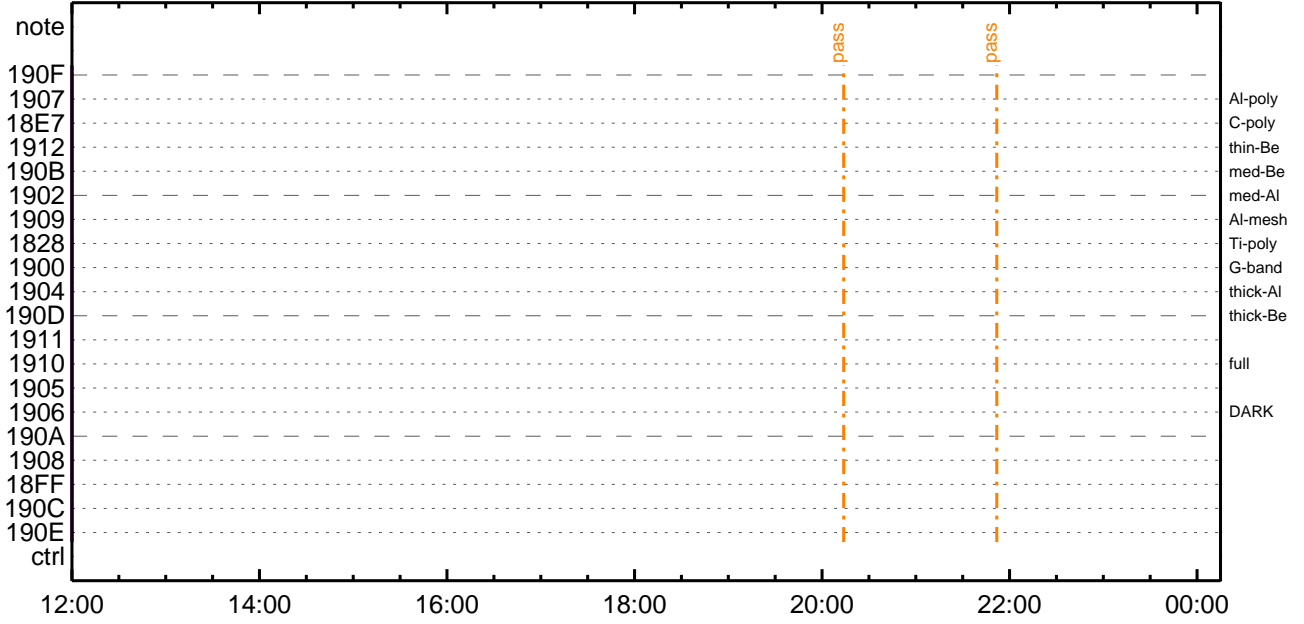
CMDI #0792 2012/07/27



CMDI #0792 2012/07/28



CMDI #0792 2012/07/28




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0194 C.
0195 +. TI 2012-07-24 10:12:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.      çç[HK1_TI_CMD_NUM]                EQ      1COUNTUP
0198 C.
0199 C.      °Ê²¼ïÄë%îíññîîŷÄŷ§ŷÄŷ-¹âîÛ
0200 C.      çç[HK1_TI_CMD_ENA/DIS]            EQ      ENA
0201 C.      çç[HK1_TI_CMD_NUM]                EQ      4
0202 C.      çç[HK1_NEXT_EXEC_PIM]            EQ      DHU
0203 C.      çç[HK1_NEXT_EXEC_DC]             EQ      0xB3
0204 C.
0205 C.      *****
0206 C.      TIîî°èŷÄŷÖŷ×
0207 C.      *****
0208 C.
0209 C.      TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC      (03 ab 03 01 02)
0212 C.      çç[HK1_DMP_TOP_ADRS_1]           EQ      07
0213 C.      çç[HK1_DMP_TOP_ADRS_0]           EQ      2B
0214 C.      çç[HK1_DMP_BLOCK_NUM]            EQ      3
0215 C.      çç[HK1_DMP_REPEAT_NUM]           EQ      0
0216 C.      çç[HK1_DMA_DMP_PIM]              EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.      çç[HK1_PKT_FORM_NO]              EQ      7
0220 C.      çç[HK1_PKT_GEN_TIME]              EQ      0.25 s
0221 C.      çç[HK1_S_TLM_BIT_RATE]           EQ      32k
0222 C.      çç[HK1_X_TLM_BIT_RATE]           EQ      4M
0223 C.      çç[HK1_DMP_CHK_FLG]              EQ      EXEC
0224 C.
0225 C.      ŷÄŷÖŷ×½ªî»ñ³îç§
0226 C.      çç[HK1_DMP_CHK_FLG]              EQ      NON
0227 C.
0228 C.      RAM ID=TI_TBLñî¼Ê¹ç•è²îOKñ³îç§
0229 C.
0230 C.      DHUŷâ;¼ŷÉ;Ê¼ŷ¼. ŷî;¼ŷÈ;Ëñðîäñ¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.      çç[HK1_PKT_FORM_NO]              EQ      2
0234 C.      çç[HK1_PKT_GEN_TIME]              EQ      0.5S
0235 C.      çç[HK1_S_TLM_BIT_RATE]           EQ      32K
0236 C.      çç[HK1_X_TLM_BIT_RATE]           EQ      4M
0237 C.
0238 C.      *****
0239 C.      SOT TI command set
0240 C.      *****
0241 C.      Execute, after the success of OP upload.
0242 +. TI 2012-07-24 10:12:16.0
0243 DC 07-F0 MDP_SOT_MODE_STBY
0244 BC      (41)
0245 C.      -----
0246 C.      HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0247 C.      -----
0248 C.      ***** SOT END *****
0249 C.      Stop EIS observation and temporarily disable EIS mode changes
0250 C.
0251 C.
0252 C.      ***** Start EIS operation (TI set) *****
0253 C.      Execute, after the success of OP upload.
0254 C.      Set EIS TI-commands
0255 +. TI 2012-07-24 10:12:30.0
0256 DC 07-FC EIS_MODE_MANU
0257 BC      (21 02)
0258 +. TI 2012-07-24 10:12:40.0
0259 DC 07-FC EIS_MODE_CHG_DIS
0260 BC      (22)
0261 C.      [ ] [HK1_TI_CMD_NUM]            EQ      2 COUNTUP
0262 C.      ***** End EIS operation (TI set) *****
0263 C.
0264 C.
0265 C.
0266 C.      ***** XRT START *****
0267 C.      Execute, after the success of OP upload.
0268 +. TI 2012-07-24 10:12:00.0
0269 DC 07-F0 MDP_XRT_MODE_STBY
0270 BC      (c3)
0271 C.      [ ] [HK1_TI_CMD_NUM]            EQ      1COUNTUP
0272 C.
0273 C.      ***** XRT END *****
0274 C.
0275 C.      ***** MDP `ûÃîñî»ö¼ŷñÈÄñ¹ñèDCBC•x²è *****
0276 C.      (¼ª°îŷÖŷÄŷÈŷŷÈŷÄŷçŷèñ¼ññ¼ª»Ûñ¹ñè)
0277 S. DC-BC dcbc-402:DCBC
0278 (MDP_known_event)
0279 C.
0280 C.
0281 C.      ***** ŷĐŷ¹•î Daily±çîññÈ¹ñ¹ñèDCBC•x²è *****
0282 S. DC-BC dcbc-153:DCBC
0283 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C.      ;ãLOSŷÄŷ§ŷÄŷ-¼ª»Û;ã
0287 C.
0288 C.      ***** LOS *****
0289 C.

```


(a) Spacecraft Operation Procedure (real-commands)

```
main-038 2012-07-24 12:40:43 244 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÄY-¼Ä»Û;ã
0005 C.
0006 C. YÀYŞ;¼Y³YÞYÓYÉÄ+ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;ÈçðÄâ•µ°Æ»Í×ÁÇçÍYçYÁY×YÍ;¼YÉ;ÈÈÈµ•íÉ;ÈÈÈ¼°ÇÖâ•ç¼l¹ççí;çÀ®, ùâ¹ââââçÄ+ç®â•âââââçÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ+ç®µ;ON
0016 C. *****
0017 C. ç" °ÆÀ, Í×ÈYâÀLOSâççâÍ»p´Öâð¹íí, ç. ; çÉÖÍ×âÈXÁÖONâí¹ÔâÈâíâÈââââçÈ;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-¾ÖÄÖâ-°ÄÄââ•çç;ç°È²¼ççí°ÆÀ, ¼È¼ççð¼Ä¹Ôçç;f
0030 C.
0031 . C. *****
0032 C. DR PT1 ÁÍ¼í°ÆÀ,
0033 C. *****
0034 C. ç" RESTART;ÈPT1;Èâ•çççç¼l¹ççí;ç°È²¼ççí°ÆÀ¹Ôâ»çç;çDCBC-150ççÈçç;f
0035 C.
0036 . C. ;ãPT1°ÆÀ, 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 (¼Ä¹Ô, ;¼Ú)
0043 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ô, ;¼Ú)
0044 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ô, ;¼Ú)
0045 C.
0046 . C. ;ãYçYÓYÉYÉÄÜÄÖ;ÈÄ•Ä°²óÈð;È, áçç°ÆÀ, °Æ³«;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 (¼Ä¹Ô, ;¼Ú)
0050 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ô, ;¼Ú)
0051 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ô, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ÆÀ, ç-¼«Æ°Äâ»çççç;çç;ç°È²¼ççð¼Ä¹Ôçç;f
0055 C. YçYÓYÉYÉÄÜÄÖâÄ•Ä°²óÈðçççç¼l¹ççí°ÆÀ¹Ôâ»çççççççççççç;f
0056 C.
0057 . C. *****
0058 C. DR PT2 ÁÍ¼í°ÆÀ,
0059 C. *****
0060 C. ç" RESTART;ÈPT2;Èâ•çççç¼l¹ççí;ç°È²¼ççí°ÆÀ¹Ôâ»çç;çDCBC-151ççÈçç;f
0061 C.
0062 . C. ;ãPT2°ÆÀ, 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 (¼Ä¹Ô, ;¼Ú)
0069 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ô, ;¼Ú)
0070 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ô, ;¼Ú)
0071 C.
0072 . C. ;ãYçYÓYÉYÉÄÜÄÖ;ÈÄ•Ä°²óÈð;È, áçç°ÆÀ, °Æ³«;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 (¼Ä¹Ô, ;¼Ú)
0076 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ô, ;¼Ú)
0077 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ô, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÆÀ, Äâ»çç;çXÁ+ç®µ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÆÀ, Äâ»çç;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+ç®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
```

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0096 C.
0097 C.
0098 C. *****
0099 C. SOT table upload
0100 C. *****
0101 C. < Stop FG table >
0102 +. DC 07-F0 MDP_FG_CTRL_MANU
0103 BC (51)
0104 C. -----
0105 C. MDP_FG_CTRL_MODE = MANU [ ]
0106 C. -----
0107 C.
0108 C. <Upload FG Observation Table>
0109 . S. RAM ram-267:MDP_OBS_F
0110 ( )
0111 C.
0112 C. < Dump RAMID=MDP_OBS_F >
0113 +. DC 07-F0 MDP_DUMP_FGTBL
0114 BC (82 07 00 00 00 38 b8)
0115 C. -----
0116 C. MDP_OBS_F verify = OK/NG [ ]
0117 C. -----
0118 C.
0119 C. < Upload DPL table >
0120 C.
0121 C. ¥ç¥Ã¥×¥í;¼¥É°âÊSTS_CHKðOFFðËð¹ðë
0122 C.
0123 . S. RAM ram-271:MDP_DPL
0124 ( )
0125 C.
0126 C. < Dump RAMID=MDP_DPL >
0127 +. DC 07-F0 MDP_DUMP_FGTBL
0128 BC (82 07 00 38 b8 00 40)
0129 C. -----
0130 C. MDP_DPL verify = OK [ ]
0131 C. -----
0132 C.
0133 C. STS_CHKðONðËð¹ðë
0134 C.
0135 C. < Update MDP DSC PAR1 >
0136 +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0137 BC (4c)
0138 C. MDP_CMD_CODE = F04C0700[ ]
0139 C. MDP_CMD_CNT (count-up 1) [ ]
0140 C. -----
0141 C.
0142 C.
0143 C. *****
0144 C. SOT TI command set
0145 C. *****
0146 C. Execute, after the success of TBL upload.
0147 +. TI 2012-07-24 10:12:18.0
0148 DC 07-F0 MDP_SOT_MODE_OBSV
0149 BC (40)
0150 C. -----
0151 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0152 C. -----
0153 C.
0154 C.
0155 C. ***** XRT START *****
0156 C.
0157 +. DC 07-F0 MDP_XRT_CTRL_MANU
0158 BC (c1)
0159 + DC 07-F0 MDP_XRT_MODE_STBY
0160 BC (c3)
0161 C. ----- Success Verify ? OK / NG_____
0162 C.
0163 C. XRT Obs. Table Upload
0164 . S. RAM ram-291:MDP_OBS_X
0165 ( )
0166 C.
0167 +. DC 07-F0 MDP_DUMP_XRTTBL
0168 BC (84 07 00 00 00 3a d4)
0169 C. ----- Comparison Check ? OK / ERR _____
0170 C.
0171 C.
0172 +. DC 07-F0 MDP_XRT_ROI_SET
0173 BC (cd 01 b1 b1 04 04)
0174 + DC 07-F0 MDP_XRT_ROI_SET
0175 BC (cd 02 b1 b1 08 08)
0176 + DC 07-F0 MDP_XRT_ROI_SET
0177 BC (cd 03 b1 b1 08 08)
0178 + DC 07-F0 MDP_XRT_ROI_SET
0179 BC (cd 04 b1 b1 06 06)
0180 + DC 07-F0 MDP_XRT_ROI_SET
0181 BC (cd 05 85 83 06 06)
0182 + DC 07-F0 MDP_XRT_ROI_SET
0183 BC (cd 06 85 83 08 08)
0184 + DC 07-F0 MDP_XRT_ROI_SET
0185 BC (cd 07 85 83 06 06)
0186 + DC 07-F0 MDP_XRT_ROI_SET
0187 BC (cd 08 80 80 20 20)
0188 + DC 07-F0 MDP_XRT_ROI_SET
0189 BC (cd 09 80 80 20 08)
0190 + DC 07-F0 MDP_XRT_ROI_SET
0191 BC (cd 0a 80 80 08 20)
0192 + DC 07-F0 MDP_XRT_ROI_SET
0193 BC (cd 0b 80 80 08 08)

```

```
0194 + DC 07-F0 MDP_XRT_ROI_SET
0195 BC (cd 0c 80 60 20 18)
0196 + DC 07-F0 MDP_XRT_ROI_SET
0197 BC (cd 0d a0 80 18 20)
0198 + DC 07-F0 MDP_XRT_ROI_SET
0199 BC (cd 0f 80 80 06 06)
0200 + DC 07-F0 MDP_XRT_ROI_SET
0201 BC (cd 10 80 80 08 08)
0202 + DC 07-F0 MDP_XRT_FLD_DIS
0203 BC (d9)
0204 + DC 07-F0 MDP_XRT_FLRCTRL_DIS
0205 BC (c9)
0206 + DC 07-F0 MDP_XRT_AEC_RESET
0207 BC (d0)
0208 + DC 07-F0 MDP_XRT_ARS_DIS
0209 BC (d5)
0210 + DC 07-F0 MDP_XRT_FLD_RESET
0211 BC (da)
0212 + DC 07-F0 MDP_XRT_QT_PROG_SET
0213 BC (c4 08)
0214 + DC 07-F0 MDP_XRT_FL_PROG_SET
0215 BC (c5 0e)
0216 . C. ----- Success Verify ? OK / NG ____
0217 C.
0218 C.
0219 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0220 C.
0221 +. DC 07-F0 MDP_XRT_MODE_OBSV
0222 BC (c2)
0223 +. TI 2012-07-24 10:12:02.0
0224 DC 07-F0 MDP_XRT_MODE_OBSV
0225 BC (c2)
0226 . C. ----- Success Verify ? OK / NG ____
0227 C.
0228 C. ***** XRT END *****
0229 C.
0230 . C. ***** MDP `uAifI>0%YqEAÐa¹qêDCBC•x²è *****
0231 C. (%á°iYÓYÁYÈYþYËYáYçYèqE¼q¼Á»Ûa¹qè)
0232 . S. DC-BC dcbc-402:DCBC
0233 (MDP_known_event)
0234 C.
0235 C.
0236 . C. ***** YDY¹•İ Daily±¿İÑqE´Øa¹qêDCBC•x²è *****
0237 . S. DC-BC dcbc-153:DCBC
0238 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0239 C.
0240 C.
0241 . C. ;ãLOS¥Á¥$¥Ã¥~¼Á»Û;ä
0242 C.
0243 . C. ***** LOS *****
0244 C.
```

Jul 24, 12 12:41

XRT_OGLIST_0792.chk

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*** OP Sequence for XRT ***

2012/07/24	10:20:30.0	XRT_Custom_418_OG [0x1a2]			
2012/07/24	10:21:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/07/24	10:22:54.0	XRT_CTRL_MANU_439_OG [0x1b7]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/07/24	10:23:00.0	AOCS_ORe-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	02 00 00 00 00
2012/07/24	10:25:26.0	XRT_FOCUS_POSITION_409_OG [0x199]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2012/07/24	10:25:46.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2012/07/24	10:25:48.0	XRT_FLRCTRL_ENA_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2012/07/24	10:25:50.0	XRT_AEC_RESET_443_OG [0x1bb]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2012/07/24	10:25:52.0	XRT_ARS_DIS_431_OG [0x1af]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2012/07/24	10:25:54.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2012/07/24	10:25:56.0	XRT_QT_PROG_SET_432_OG [0x1b0]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2012/07/24	10:25:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2012/07/24	10:26:00.0	XRT_CTRL_AUTO_406_OG [0x196]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/07/24	11:31:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/07/24	11:31:02.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2012/07/24	11:31:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/07/24	11:34:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/07/24	11:59:00.0	XRT_Custom_418_OG [0x1a2]			
2012/07/24	12:00:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/07/24	13:09:30.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/07/24	13:09:32.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2012/07/24	13:09:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/07/24	13:12:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/07/24	13:37:30.0	XRT_Custom_418_OG [0x1a2]			
2012/07/24	13:38:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/07/24	14:48:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/07/24	14:48:02.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2012/07/24	14:48:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/07/24	14:51:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/07/24	15:27:00.0	XRT_Custom_418_OG [0x1a2]			
2012/07/24	15:28:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/07/24	15:31:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/07/24	15:31:02.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2012/07/24	15:31:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/07/24	15:34:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/07/24	15:36:00.0	XRT_Custom_418_OG [0x1a2]			
2012/07/24	15:37:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/07/24	16:26:30.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/07/24	16:26:32.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2012/07/24	16:26:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/07/24	16:29:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/07/24	16:49:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/07/24	16:50:00.0	AOCS_ORe-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 54 00
2012/07/24	18:05:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/07/24	18:05:02.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2012/07/24	18:05:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/07/24	18:08:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/07/24	19:29:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1

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2012/07/24	19:29:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2012/07/24	19:30:00.0	AOCs_OrE-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00	00	00	00
2012/07/24	19:30:16.0	XRT_FLD_DIS_402_OG [0x192]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2012/07/24	19:30:18.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2012/07/24	19:30:20.0	XRT_ARS_DIS_438_OG [0x1b6]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2012/07/24	19:32:58.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03		
2012/07/24	19:33:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/07/24	19:39:54.0	XRT_CTRL_MANU_439_OG [0x1b7]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/07/24	19:40:00.0	AOCs_OrE-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02	00	00	00
2012/07/24	19:42:26.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2012/07/24	19:42:46.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2012/07/24	19:42:48.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2012/07/24	19:42:50.0	XRT_AEC_RESET_443_OG [0x1bb]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2012/07/24	19:42:52.0	XRT_ARS_DIS_431_OG [0x1af]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2012/07/24	19:42:54.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da			
2012/07/24	19:42:56.0	XRT_QT_PROG_SET_432_OG [0x1b0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11		
2012/07/24	19:42:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0e		
2012/07/24	19:43:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/07/24	19:43:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/07/24	19:43:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da			
2012/07/24	19:43:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2012/07/24	19:46:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2012/07/24	20:27:00.0	XRT_Custom_418_OG [0x1a2]							
2012/07/24	20:28:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/07/24	21:22:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/07/24	21:22:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da			
2012/07/24	21:22:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2012/07/24	21:25:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2012/07/24	22:03:00.0	XRT_Custom_418_OG [0x1a2]							
2012/07/24	22:04:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/07/24	23:00:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/07/24	23:00:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da			
2012/07/24	23:00:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2012/07/24	23:03:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2012/07/24	23:32:30.0	XRT_Custom_418_OG [0x1a2]							
2012/07/24	23:33:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/07/25	00:39:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/07/25	00:39:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da			
2012/07/25	00:39:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2012/07/25	00:42:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2012/07/25	01:07:00.0	XRT_Custom_418_OG [0x1a2]							
2012/07/25	01:08:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/07/25	01:59:54.0	XRT_CTRL_MANU_439_OG [0x1b7]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/07/25	02:00:00.0	AOCs_OrE-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00	10	e5	51
2012/07/25	02:02:26.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2012/07/25	02:02:46.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2012/07/25	02:02:48.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2012/07/25	02:02:50.0	XRT_AEC_RESET_443_OG [0x1bb]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2012/07/25	02:02:52.0	XRT_ARS_DIS_431_OG [0x1af]							

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2012/07/25	02:02:54.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_ARS_DIS	1	07-F0	d5				
			MDP_XRT_FLD_RESET	1	07-F0	da				
2012/07/25	02:02:56.0	XRT_QT_PROG_SET_448_OG [0x1c0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09			
2012/07/25	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0e			
2012/07/25	02:03:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/07/25	02:17:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/25	02:17:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da				
2012/07/25	02:17:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2012/07/25	02:20:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2012/07/25	02:45:30.0	XRT_Custom_418_OG [0x1a2]								
2012/07/25	02:46:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/07/25	03:45:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/25	03:45:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da				
2012/07/25	03:45:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2012/07/25	03:48:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2012/07/25	04:24:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/25	04:24:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2012/07/25	04:25:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00	00	00	00	00
2012/07/25	04:25:16.0	XRT_FLD_DIS_402_OG [0x192]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2012/07/25	04:25:18.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2012/07/25	04:25:20.0	XRT_ARS_DIS_438_OG [0x1b6]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2012/07/25	04:27:58.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2012/07/25	04:28:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/07/25	04:34:54.0	XRT_CTRL_MANU_439_OG [0x1b7]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/25	04:35:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02	00	00	00	00
2012/07/25	04:37:26.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2012/07/25	04:37:46.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2012/07/25	04:37:48.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2012/07/25	04:37:50.0	XRT_AEC_RESET_443_OG [0x1bb]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2012/07/25	04:37:52.0	XRT_ARS_DIS_431_OG [0x1af]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2012/07/25	04:37:54.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da				
2012/07/25	04:37:56.0	XRT_QT_PROG_SET_432_OG [0x1b0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2012/07/25	04:37:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0e			
2012/07/25	04:38:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/07/25	05:26:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/25	05:26:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da				
2012/07/25	05:26:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2012/07/25	05:29:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2012/07/25	06:02:30.0	XRT_Custom_418_OG [0x1a2]								
2012/07/25	06:03:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/07/25	06:16:54.0	XRT_CTRL_MANU_439_OG [0x1b7]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/25	06:17:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02	00	00	00	00
2012/07/25	06:19:26.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2012/07/25	06:19:46.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2012/07/25	06:19:48.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2012/07/25	06:19:50.0	XRT_AEC_RESET_443_OG [0x1bb]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2012/07/25	06:19:52.0	XRT_ARS_DIS_431_OG [0x1af]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2012/07/25	06:19:54.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da				

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2012/07/25	06:19:56.0	XRT_QT_PROG_SET_432_OG [0x1b0]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2012/07/25	06:19:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2012/07/25	06:20:00.0	XRT_CTRL_AUTO_406_OG [0x196]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/07/25	07:06:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/07/25	07:06:02.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2012/07/25	07:06:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/07/25	07:09:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/07/25	07:41:00.0	XRT_Custom_418_OG [0x1a2]			
2012/07/25	07:42:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/07/25	08:46:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/07/25	08:46:02.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2012/07/25	08:46:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/07/25	08:49:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/07/25	09:19:30.0	XRT_Custom_418_OG [0x1a2]			
2012/07/25	09:20:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/07/25	10:28:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/07/25	10:28:02.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2012/07/25	10:28:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/07/25	10:31:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/07/25	10:58:00.0	XRT_Custom_418_OG [0x1a2]			
2012/07/25	10:59:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/07/25	12:08:30.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/07/25	12:08:32.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2012/07/25	12:08:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/07/25	12:11:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/07/25	12:36:30.0	XRT_Custom_418_OG [0x1a2]			
2012/07/25	12:37:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/07/25	13:47:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/07/25	13:47:02.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2012/07/25	13:47:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/07/25	13:50:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/07/25	14:15:00.0	XRT_Custom_418_OG [0x1a2]			
2012/07/25	14:16:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/07/25	14:16:00.5	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/07/25	14:16:02.5	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2012/07/25	14:16:04.5	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/07/25	14:19:14.5	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/07/25	14:23:30.0	XRT_Custom_418_OG [0x1a2]			
2012/07/25	14:24:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/07/25	15:25:30.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/07/25	15:25:32.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2012/07/25	15:25:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/07/25	15:28:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/07/25	16:12:30.0	XRT_Custom_418_OG [0x1a2]			
2012/07/25	16:13:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/07/25	17:04:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/07/25	17:04:02.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2012/07/25	17:04:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/07/25	17:07:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/07/25	17:49:30.0	XRT_Custom_418_OG [0x1a2]			
2012/07/25	17:50:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			

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2012/07/25	18:05:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/25	18:05:26.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2012/07/25	18:05:30.0	AOCS_OrE-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00	00	00	00	00
2012/07/25	18:05:46.0	XRT_FLD_DIS_402_OG [0x192]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2012/07/25	18:05:48.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2012/07/25	18:05:50.0	XRT_ARS_DIS_438_OG [0x1b6]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2012/07/25	18:08:28.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2012/07/25	18:08:30.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/07/25	18:15:24.0	XRT_CTRL_MANU_439_OG [0x1b7]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/25	18:15:30.0	AOCS_OrE-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02	00	00	00	00
2012/07/25	18:17:56.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2012/07/25	18:18:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2012/07/25	18:18:18.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2012/07/25	18:18:20.0	XRT_AEC_RESET_443_OG [0x1bb]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2012/07/25	18:18:22.0	XRT_ARS_DIS_431_OG [0x1af]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2012/07/25	18:18:24.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da				
2012/07/25	18:18:26.0	XRT_QT_PROG_SET_432_OG [0x1b0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2012/07/25	18:18:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0e			
2012/07/25	18:18:30.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/07/25	18:42:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/25	18:42:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da				
2012/07/25	18:42:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2012/07/25	18:45:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2012/07/25	19:26:00.0	XRT_Custom_418_OG [0x1a2]								
2012/07/25	19:27:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/07/25	20:21:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/25	20:21:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da				
2012/07/25	20:21:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2012/07/25	20:24:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2012/07/25	21:03:30.0	XRT_Custom_418_OG [0x1a2]								
2012/07/25	21:04:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/07/25	21:59:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/25	21:59:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da				
2012/07/25	21:59:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2012/07/25	21:59:54.0	XRT_CTRL_MANU_417_OG [0x1a1]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/25	22:00:00.0	AOCS_OrE-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	00	ac	00	00	00
2012/07/25	22:02:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2012/07/25	22:14:28.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2012/07/25	22:14:48.0	XRT_FLD_DIS_425_OG [0x1a9]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2012/07/25	22:14:50.0	XRT_FLRCTRL_DIS_446_OG [0x1be]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2012/07/25	22:14:52.0	XRT_AEC_RESET_443_OG [0x1bb]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2012/07/25	22:14:54.0	XRT_ARS_DIS_431_OG [0x1af]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2012/07/25	22:14:56.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da				
2012/07/25	22:14:58.0	XRT_QT_PROG_SET_442_OG [0x1ba]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	10			
2012/07/25	22:15:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/07/25	23:59:54.0	XRT_CTRL_MANU_417_OG [0x1a1]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/26	00:00:00.0	AOCS_OrE-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	54	00

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2012/07/26	00:14:28.0	XRT_FOCUS_POSITION_409_OG [0x199]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2012/07/26	00:14:48.0	XRT_FLD_DIS_425_OG [0x1a9]							
		MDP_XRT_FLD_DIS	1	07-F0		d9			
2012/07/26	00:14:50.0	XRT_FLRCTRL_DIS_446_OG [0x1be]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0		c9			
2012/07/26	00:14:52.0	XRT_AEC_RESET_443_OG [0x1bb]							
		MDP_XRT_AEC_RESET	1	07-F0		d0			
2012/07/26	00:14:54.0	XRT_ARS_DIS_431_OG [0x1af]							
		MDP_XRT_ARS_DIS	1	07-F0		d5			
2012/07/26	00:14:56.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0		da			
2012/07/26	00:14:58.0	XRT_QT_PROG_SET_405_OG [0x195]							
		MDP_XRT_QT_PROG_SET	2	07-F0		c4	02		
2012/07/26	00:15:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2012/07/26	01:59:54.0	XRT_CTRL_MANU_439_OG [0x1b7]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2012/07/26	02:00:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	02	00	00	00	00
2012/07/26	02:02:26.0	XRT_FOCUS_POSITION_409_OG [0x199]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2012/07/26	02:02:46.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0		d8			
2012/07/26	02:02:48.0	XRT_FLRCTRL_ENA_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2012/07/26	02:02:50.0	XRT_AEC_RESET_443_OG [0x1bb]							
		MDP_XRT_AEC_RESET	1	07-F0		d0			
2012/07/26	02:02:52.0	XRT_ARS_DIS_431_OG [0x1af]							
		MDP_XRT_ARS_DIS	1	07-F0		d5			
2012/07/26	02:02:54.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0		da			
2012/07/26	02:02:56.0	XRT_QT_PROG_SET_432_OG [0x1b0]							
		MDP_XRT_QT_PROG_SET	2	07-F0		c4	11		
2012/07/26	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0		c5	0e		
2012/07/26	02:03:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2012/07/26	02:54:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2012/07/26	02:54:02.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0		da			
2012/07/26	02:54:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0		e8			
2012/07/26	02:57:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0		e9			
2012/07/26	03:22:30.0	XRT_Custom_418_OG [0x1a2]							
2012/07/26	03:23:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2012/07/26	03:59:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2012/07/26	03:59:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2012/07/26	04:00:00.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00	00	00	00	00
2012/07/26	04:00:16.0	XRT_FLD_DIS_402_OG [0x192]							
		MDP_XRT_FLD_DIS	1	07-F0		d9			
2012/07/26	04:00:18.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0		c9			
2012/07/26	04:00:20.0	XRT_ARS_DIS_438_OG [0x1b6]							
		MDP_XRT_ARS_DIS	1	07-F0		d5			
2012/07/26	04:02:58.0	XRT_QT_PROG_SET_427_OG [0x1ab]							
		MDP_XRT_QT_PROG_SET	2	07-F0		c4	03		
2012/07/26	04:03:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2012/07/26	04:09:54.0	XRT_CTRL_MANU_439_OG [0x1b7]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2012/07/26	04:10:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	02	00	00	00	00
2012/07/26	04:12:26.0	XRT_FOCUS_POSITION_409_OG [0x199]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2012/07/26	04:12:46.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0		d8			
2012/07/26	04:12:48.0	XRT_FLRCTRL_ENA_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2012/07/26	04:12:50.0	XRT_AEC_RESET_443_OG [0x1bb]							
		MDP_XRT_AEC_RESET	1	07-F0		d0			
2012/07/26	04:12:52.0	XRT_ARS_DIS_431_OG [0x1af]							
		MDP_XRT_ARS_DIS	1	07-F0		d5			
2012/07/26	04:12:54.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0		da			
2012/07/26	04:12:56.0	XRT_QT_PROG_SET_432_OG [0x1b0]							
		MDP_XRT_QT_PROG_SET	2	07-F0		c4	11		
2012/07/26	04:12:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0		c5	0e		
2012/07/26	04:13:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2012/07/26	04:23:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2012/07/26	04:23:32.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0		da			
2012/07/26	04:23:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0		e8			

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2012/07/26	04:26:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2012/07/26	05:01:00.0	XRT_Custom_418_OG [0x1a2]							
2012/07/26	05:02:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/07/26	05:59:54.0	XRT_CTRL_MANU_439_OG [0x1b7]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/26	06:00:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	02 00 00 00 00				
2012/07/26	06:02:26.0	XRT_FOCUS_POSITION_409_OG [0x199]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2012/07/26	06:02:46.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2012/07/26	06:02:48.0	XRT_FLRCTRL_ENA_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2012/07/26	06:02:50.0	XRT_AEC_RESET_443_OG [0x1bb]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2012/07/26	06:02:52.0	XRT_ARS_DIS_431_OG [0x1af]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2012/07/26	06:02:54.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2012/07/26	06:02:56.0	XRT_QT_PROG_SET_432_OG [0x1b0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11				
2012/07/26	06:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e				
2012/07/26	06:03:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/07/26	06:04:00.5	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/26	06:04:02.5	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2012/07/26	06:04:04.5	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2012/07/26	06:07:14.5	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2012/07/26	06:39:30.5	XRT_Custom_418_OG [0x1a2]							
2012/07/26	06:40:30.5	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/07/26	07:44:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/26	07:44:32.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2012/07/26	07:44:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2012/07/26	07:47:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2012/07/26	08:18:00.0	XRT_Custom_418_OG [0x1a2]							
2012/07/26	08:19:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/07/26	09:25:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/07/26	09:26:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				