XRT Timeline to be uploaded on 2009/05/14

Period: 2009/05/14 11:02:00 - 2009/05/19 10:53:00

* * * * * **Normal mode** * * * * *

XOB #1563: CCD Monitor During Bakeout - G-band + dark - wide FOV

Term	Pointing (x, y)	Comment
05/14 12:43:30 - 05/14 15:51:00	Track (-350.1, 325.2) @ 05/14 11:12:00	# OP start + 10min, track trailing AR, with La Palma (HOPs 73, 119, offically until 12 UT) - XR
05/14 16:00:30 - 05/14 17:29:30	Track (-317.4, 325.6) @ 05/14 15:15:00	* Resume tracking AR, with HOP 118 until 17:30 UT.

PROG= 10 Inf.-time(s)
Subr= 1 1-time(s) 600.0sec
Seqn= 98 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	2048x256 (1024, 1024)	DPCM	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	2048x256 (1024, 1024)	DPCM	0	0	2.0sec

XOB #1565: CCD Monitor During Bakeout - G-band + dark - wide FOV - lower cadence (30min)

Term	Pointing (x, y)	Comment
05/14 18:02:10 - 05/14 21:50:04	Track (-317.4, 325.6) @ 05/14 15:15:00	* Resume tracking AR, with HOP 118 until 17:30 UT.

PROG= 19 Inf.-time(s)
Subr= 1 1-time(s) 1800.0sec
Seqn= 98 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	2048x256 (1024, 1024)	DPCM	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	2048x256 (1024, 1024)	DPCM	0	0	2.0sec

XOB #15A8: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 1st Quadrant

Term	Pointing (x, y)	Comment
05/15 03:53:00 - 05/15 03:59:54	Fixed (-528.4, -528.4)	* XRT four-quadrant sequence.

PROG= 02 1-time(s)
Subr= 1 1-time(s) 12.0sec
Seqn= 28 1-time(s) 12.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (1536, 1536)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (1536, 1536)	Q=90	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (1536, 1536)	Q=98	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (1536, 1536)	Q=98	0	0	2.0sec

XOB #15A9: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 2nd Quadrant

Term	Pointing (x, y)	Comment
05/15 04:03:00 - 05/15 04:09:54	Fixed (528.4, -528.4)	

PROG= 09 1-time(s)
Subr= 1 1-time(s) 12.0sec
Seqn= 41 1-time(s) 12.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (512, 1536)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (512, 1536)	Q=90	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (512, 1536)	Q=98	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (512, 1536)	Q=98	0	0	2.0sec

XOB #15AA: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 3rd Quadrant

Term	Pointing (x, y)	Comment
05/15 04:13:00 - 05/15 04:19:54	Fixed (528.4, 528.4)	

PROG= 03 1-time(s)
Subr= 1 1-time(s) 12.0sec
Seqn= 8 1-time(s) 12.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (512, 512)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (512, 512)	Q=90	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (512, 512)	Q=98	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (512, 512)	Q=98	0	0	2.0sec

XOB #15AB: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 4th Quadrant

Term	Pointing (x, y)	Comment
05/15 04:23:00 - 05/15 05:48:54	Fixed (-528.4, 528.4)	* Four quadrant - end.

PROG= 18 1-time(s)
Subr= 1 1-time(s) 12.0sec
Seqn= 40 1-time(s) 12.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (1536, 512)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (1536, 512)	Q=90	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (1536, 512)	Q=98	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (1536, 512)	Q=98	0	0	2.0sec

XOB #16A0: Synoptic Q95 2x2 - Al/mesh(88/723) + Dark cal(2x2 4x4 8x8 512 Q98) + Ti-poly(181/2048) + G-band(16)

Term	Pointing (x, y)	Comment
05/15 05:52:00 - 05/15 06:19:00	Fixed (0.0, 0.0)	synoptic, shifted -11.0 min
05/16 06:03:00 - 05/16 06:10:00	Fixed (0.0, 0.0)	synoptic, extended for multi-filter images.

PROG= 16 1-time(s)
Subr= 1 1-time(s) 12.0sec
Seqn= 46 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	86ms	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=98	0	0	2.0sec

Seqn= 7 1-time(s) 2.0sec

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

Seqn= 71 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	177ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 92 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

XOB #16AA: twilight monitor with AEC1 384x384

Term	Pointing (x, y)	Comment
05/15 06:22:08 - 05/15 07:05:30	Track (-194.7, 326.2) @ 05/15 05:59:00	# Cont., with HOP 119 from 8 UT.

PROG= 08 Inf.-time(s)
Subr= 1 1-time(s) 30.0sec
Seqn= 73 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	500ms	Obs	1x1	384x384 (1024, 1024)	Q=90	1	0	2.0sec

XOB #16A3: DEM analysis - DPCM - 1x1 - 384x384

Term	Pointing (x, y)	Comment
05/15 11:54:06 - 05/15 12:06:00	Track (269.0, 400.6) @ 05/15 11:45:00	* Track westward (leading) AR, for EIS two-AR large FOV scan.
05/15 18:53:00 - 05/15 19:05:00	Track (-84.5, 326.1) @ 05/15 18:50:00	# EIS large FOV raster cont., eastward (trailing) AR pointing.
05/16 01:02:06 - 05/16 03:42:30	Track (-84.5, 326.1) @ 05/15 18:50:00	# EIS large FOV raster cont., eastward (trailing) AR pointing.

PROG= 07 1-time(s)
Subr= 1 1-time(s) 2.0sec
Seqn= 78 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	63ms	Obs	1x1	384x384 (1024, 1024)	DPCM	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	500ms	Obs	1x1	384x384 (1024, 1024)	DPCM	0	0	2.0sec

Seqn= 58 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	1x1	384x384 (1024, 1024)	DPCM	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1024, 1024)	DPCM	0	0	2.0sec

Seqn= 91 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
C-poly/Open	C-poly/Open	close	Safe	Norm	177ms	Obs	1x1	384x384 (1024, 1024)	DPCM	0	0	2.0sec
C-poly/Open	C-poly/Open	close	Safe	Norm	1.41s	Obs	1x1	384x384 (1024, 1024)	DPCM	0	0	2.0sec

Seqn= 22 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	250ms	Obs	1x1	384x384 (1024, 1024)	DPCM	0	0	2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	DPCM	0	0	2.0sec

Seqn= 65 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
thin-Be/Open	thin-Be/Open	close	Safe	Norm	4.00s	Obs	1x1	384x384 (1024, 1024)	DPCM	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	11.3s	Obs	1x1	384x384 (1024, 1024)	DPCM	0	0	2.0sec

Seqn= 27 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
med-Be/Open	med-Be/Open	close	Safe	Norm	45.2s	Obs	1x1	384x384 (1024, 1024)	DPCM	0	0	2.0sec
med-Al/Open	med-Al/Open	close	Safe	Norm	45.2s	Obs	1x1	384x384 (1024, 1024)	DPCM	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Norm	64.0s	Obs	1x1	384x384 (1024, 1024)	DPCM	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Norm	64.0s	Obs	1x1	384x384 (1024, 1024)	DPCM	0	0	2.0sec

Subr= 2 1-time(s) 2.0sec
Seqn= 64 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec

XOB #16AB: Two ARs C/poly + Al/poly 2x2 1024x768 AEC1

Term	Pointing (x, y)	Comment
05/15 12:09:06 - 05/15 14:41:30	Track (269.0, 400.6) @ 05/15 11:45:00	* Track westward (leading) AR, for EIS two-AR large FOV scan.
05/15 15:18:06 - 05/15 17:58:30	Track (73.1, 381.2) @ 05/15 15:00:00	* EIS large FOV raster cont., in-between AR pointing.
05/15 19:08:06 - 05/16 00:32:30	Track (-84.5, 326.1) @ 05/15 18:50:00	# EIS large FOV raster cont., eastward (trailing) AR pointing.

PROG= 11 Inf.-time(s)
Subr= 1 1-time(s) 2.0sec
Seqn= 62 1-time(s) 90.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
C-poly/Open	C-poly/Open	close	Safe	Norm	2.00s	Obs	2x2	1024x768 (1024, 1024)	DPCM	1	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	2x2	1024x768 (1024, 1024)	DPCM	1	0	2.0sec

XOB #16A9: DEM analysis - DPCM - 1x1 - 384x384 offsets

Term	Pointing (x, y)	Comment

05/15 18:28:06 - 05/15 18:39:54 Track (73.1, 381.2) @ 05/15 15:00:00 * EIS large FOV raster cont., in-between AR pointing.

PROG= 13 1-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 29 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	63ms	Obs	1x1	384x384 (1176, 1088)	DPCM	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	500ms	Obs	1x1	384x384 (1176, 1088)	DPCM	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	1x1	384x384 (1176, 1088)	DPCM	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1176, 1088)	DPCM	0	0	2.0sec
C-poly/Open	C-poly/Open	close	Safe	Norm	177ms	Obs	1x1	384x384 (1176, 1088)	DPCM	0	0	2.0sec
C-poly/Open	C-poly/Open	close	Safe	Norm	1.41s	Obs	1x1	384x384 (1176, 1088)	DPCM	0	0	2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	250ms	Obs	1x1	384x384 (1176, 1088)	DPCM	0	0	2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1176, 1088)	DPCM	0	0	2.0sec

Seqn= 87 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
thin-Be/Open	thin-Be/Open	close	Safe	Norm	4.00s	Obs	1x1	384x384 (1176, 1088)	DPCM	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	11.3s	Obs	1x1	384x384 (1176, 1088)	DPCM	0	0	2.0sec
med-Be/Open	med-Be/Open	close	Safe	Norm	45.2s	Obs	1x1	384x384 (1176, 1088)	DPCM	0	0	2.0sec
med-Al/Open	med-Al/Open	close	Safe	Norm	45.2s	Obs	1x1	384x384 (1176, 1088)	DPCM	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Norm	64.0s	Obs	1x1	384x384 (1176, 1088)	DPCM	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Norm	64.0s	Obs	1x1	384x384 (1176, 1088)	DPCM	0	0	2.0sec
Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1176, 1088)	DPCM	0	0	2.0sec

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XOB #16A1: Synoptic Q95 2x2 - Al/poly(128/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Ti-poly(181/2048) + G-band(16)

Term	Pointing (x, y)	Comment
05/15 18:43:00 - 05/15 18:49:54	Fixed (0.0, 0.0)	synoptic, shifted manuallty

PROG= 15 1-time(s)

Subr= 1 1-time(s) 12.0sec

Seqn= 24 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 7 1-time(s) 2.0sec

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

Seqn= 71 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	177ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 92 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

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XOB #16A4: Synoptic 9 Filter- 2x2 Q98 Shorter exp

Term	Pointing (x, y)	Comment
05/16 06:13:06 - 05/19 10:53:00	Fixed (0.0, 0.0)	synoptic, extended for multi-filter images.

PROG= 05 1-time(s)

Subr= 1 1-time(s) 180.0sec

Seqn= 38 1-time(s) 25.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 5 1-time(s) 25.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 59 1-time(s) 25.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 25 1-time(s) 25.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
C-poly/Open	C-poly/Open	close	Safe	Norm	177ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
C-poly/Open	C-poly/Open	close	Safe	Norm	1.41s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 77 1-time(s) 25.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 67 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
thin-Be/Open	thin-Be/Open	close	Safe	Norm	11.3s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Subr= 2 1-time(s) 360.0sec

Seqn= 20 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
med-Al/Open	med-Al/Open	close	Safe	Norm	64.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 45 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/thick-Be	Open/thick-Be	close	Safe	Norm	64.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 50 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 92 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

---

* * * * * **Flare mode** * * * * *

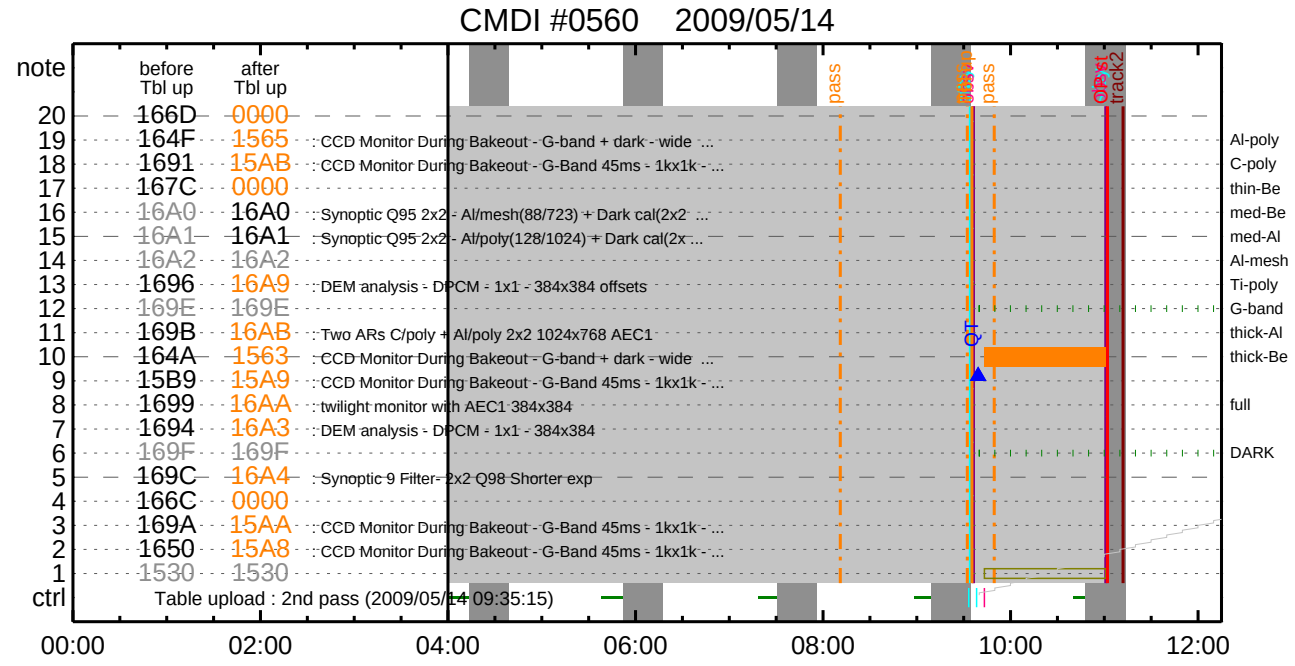
NOT USED

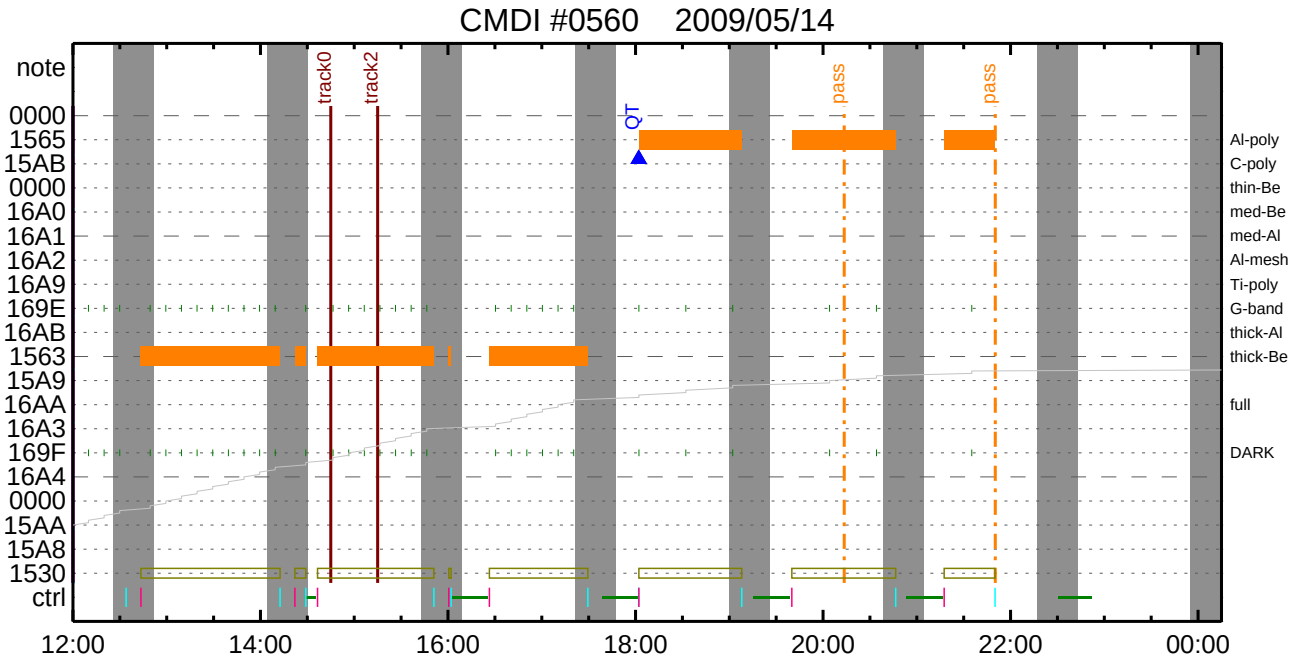
* * * * * Active Region Search * * * * *

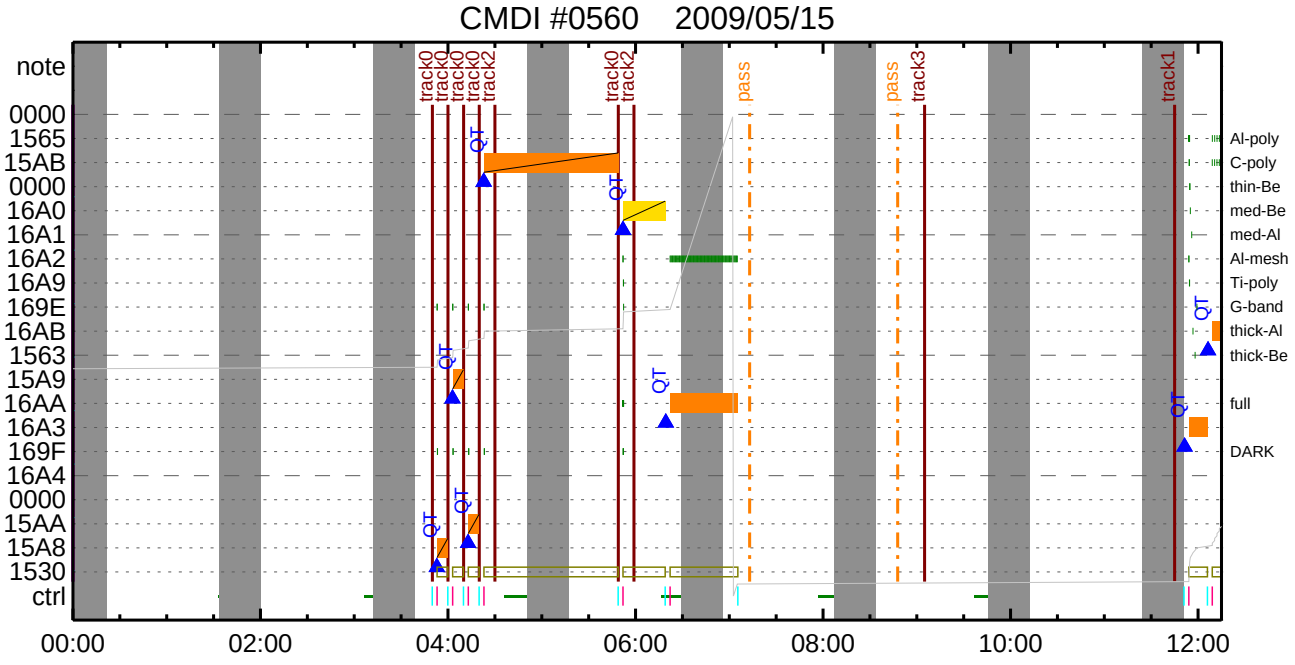
NOT USED

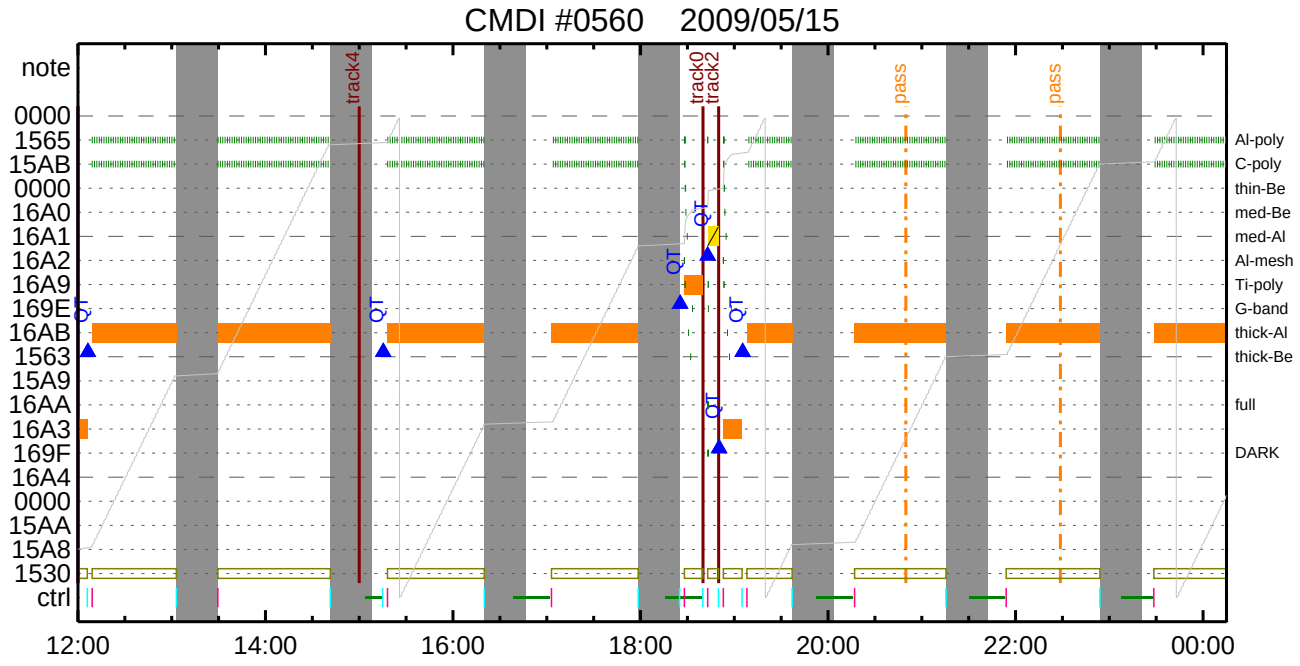
* * * * * Flare Detection * * * * *

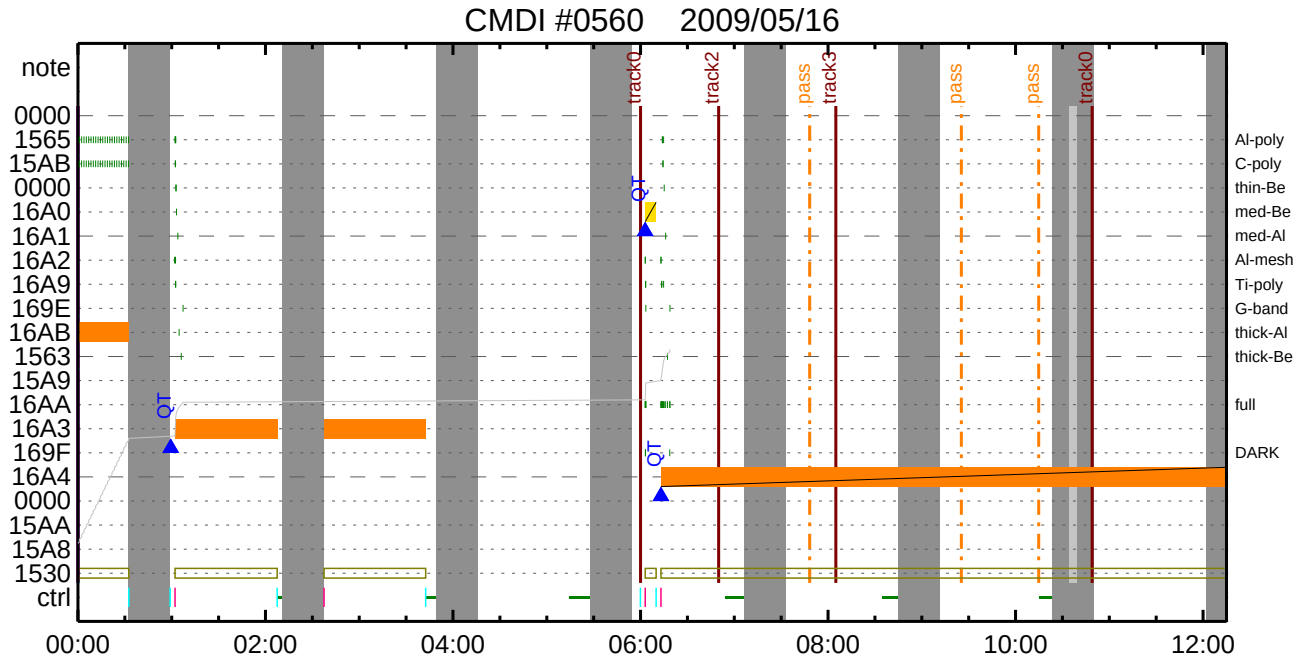
NOT USED

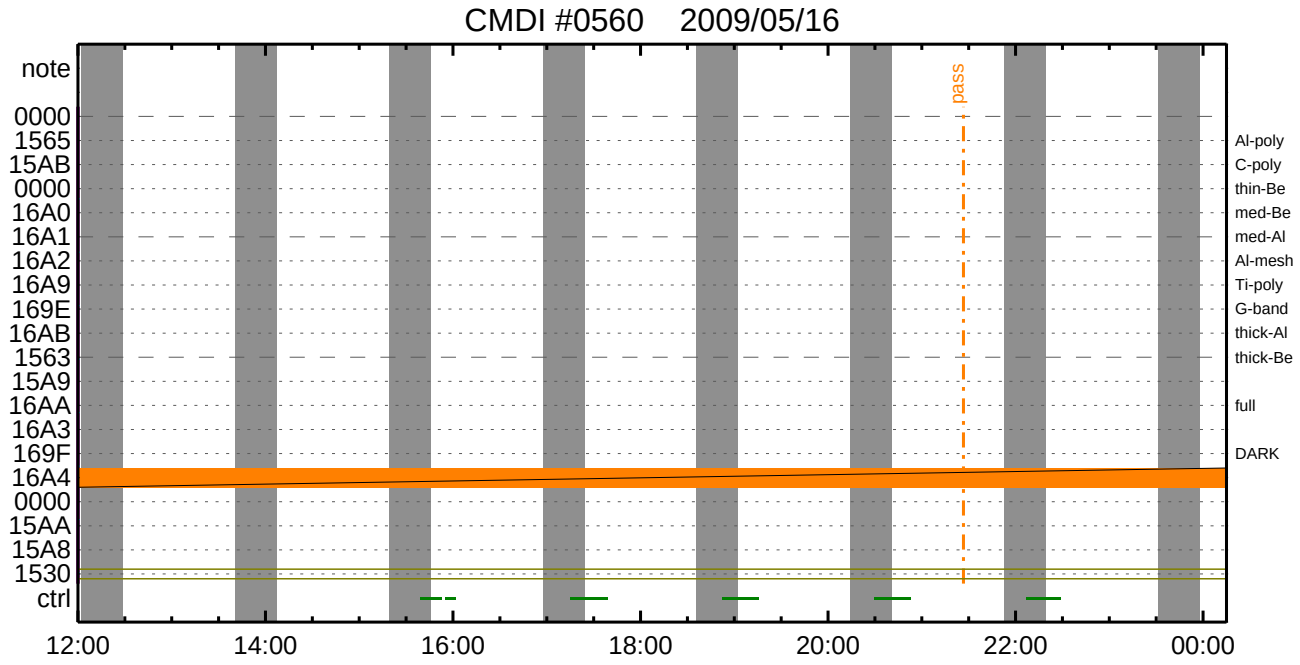

CMDI #0560 2009/05/14
note
before Tbl up
after Tbl up
20 166D 0000
19 164F 1565 : CCD Monitor During Bakeout - G-band + dark - wide ...
18 1691 15AB : CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - ...
17 167C 0000
16 16A0 16A0 : Synoptic Q95 2x2 - Al/mesh(88/723) + Dark cal(2x2 ...
15 16A1 16A1 : Synoptic Q95 2x2 - Al/poly(128/1024) + Dark cal(2x ...
14 16A2 16A2
13 1696 16A9 : DEM analysis - DPCM - 1x1 - 384x384 offsets
12 169E 169E
11 169B 16AB : Two ARs C/poly + Al/poly 2x2 1024x768 AEC1
10 164A 1563 : CCD Monitor During Bakeout - G-band + dark - wide ...
9 15B9 15A9 : CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - ...
8 1699 16AA : twilight monitor with AEC1 384x384
7 1694 16A3 : DEM analysis - DPCM - 1x1 - 384x384
6 169F 169F
5 169C 16A4 : Synoptic 9 Filter 2x2 Q98 Shorter exp
4 166C 0000
3 169A 15AA : CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - ...
2 1650 15A8 : CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - ...
1 1530 1530
ctrl Table upload : 2nd pass (2009/05/14 09:35:15)
pass
track2
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

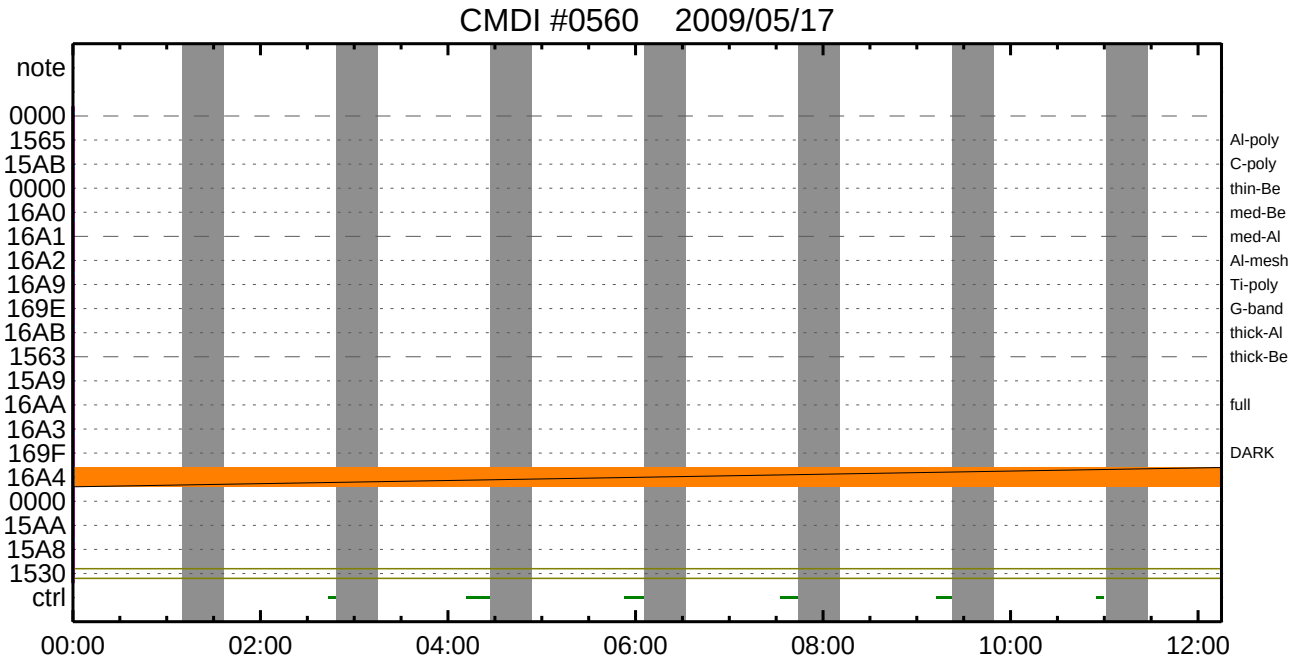

CMDI #0560 2009/05/14
note
track0
track2
pass
QT
0000
1565
15AB
0000
16A0
16A1
16A2
16A9
169E
16AB
1563
15A9
16AA
16A3
169F
16A4
0000
15AA
15A8
1530
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

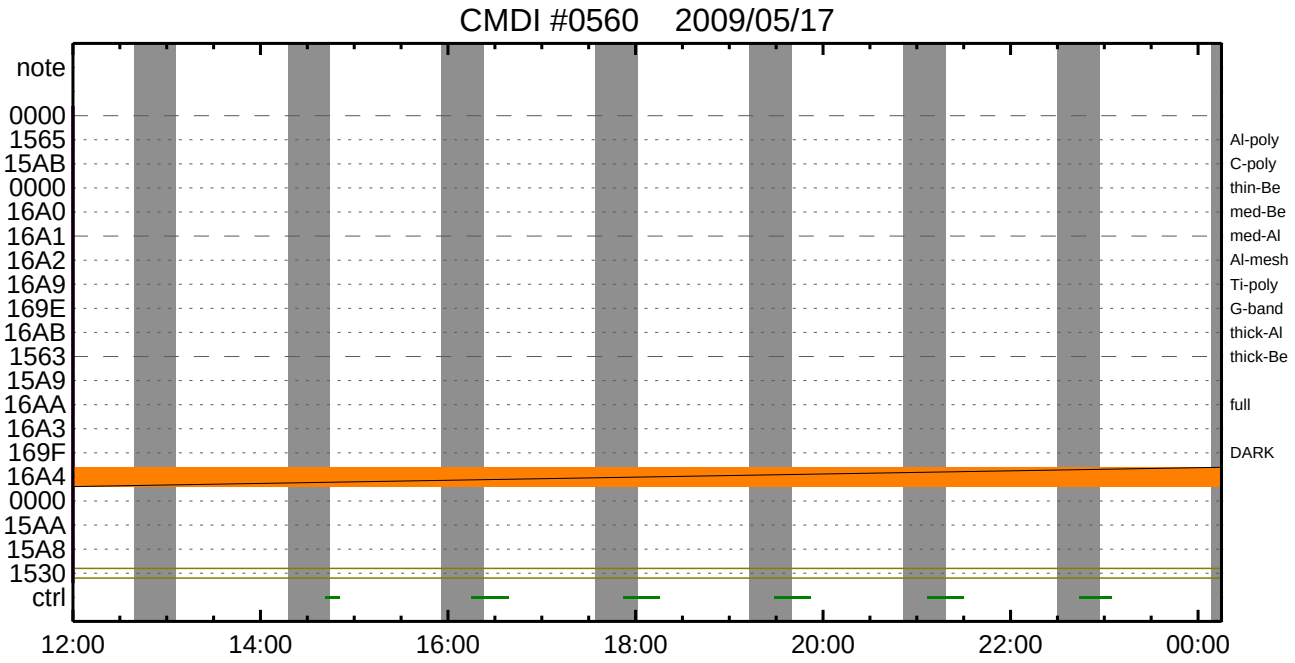

CMDI #0560 2009/05/15
note
track0
track2
track3
track1
pass
QT
0000
1565
15AB
0000
16A0
16A1
16A2
16A9
169E
16AB
1563
15A9
16AA
16A3
169F
16A4
0000
15AA
15A8
1530
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

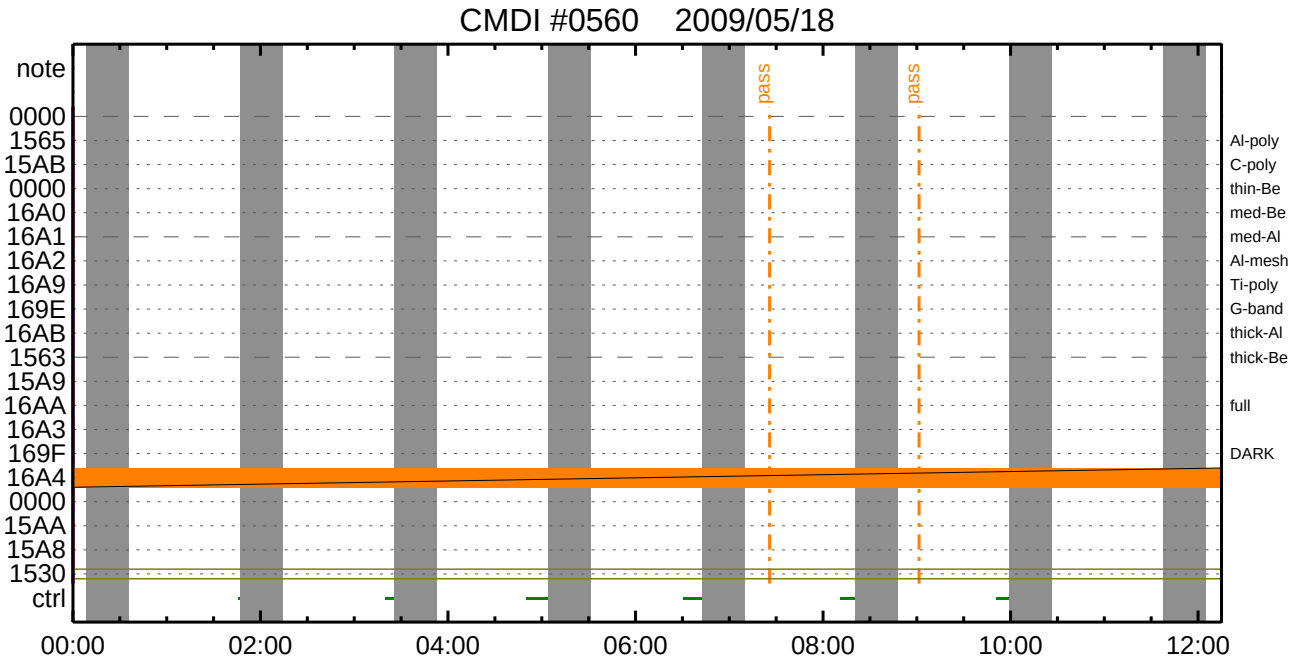

CMDI #0560 2009/05/15
note
0000
1565
15AB
0000
16A0
16A1
16A2
16A9
169E
16AB
1563
15A9
16AA
16A3
169F
16A4
0000
15AA
15A8
1530
ctrl
track4
track0
track2
pass
pass
QT
QT
QT
QT
QT
12:00
14:00
16:00
18:00
20:00
22:00
00:00
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK

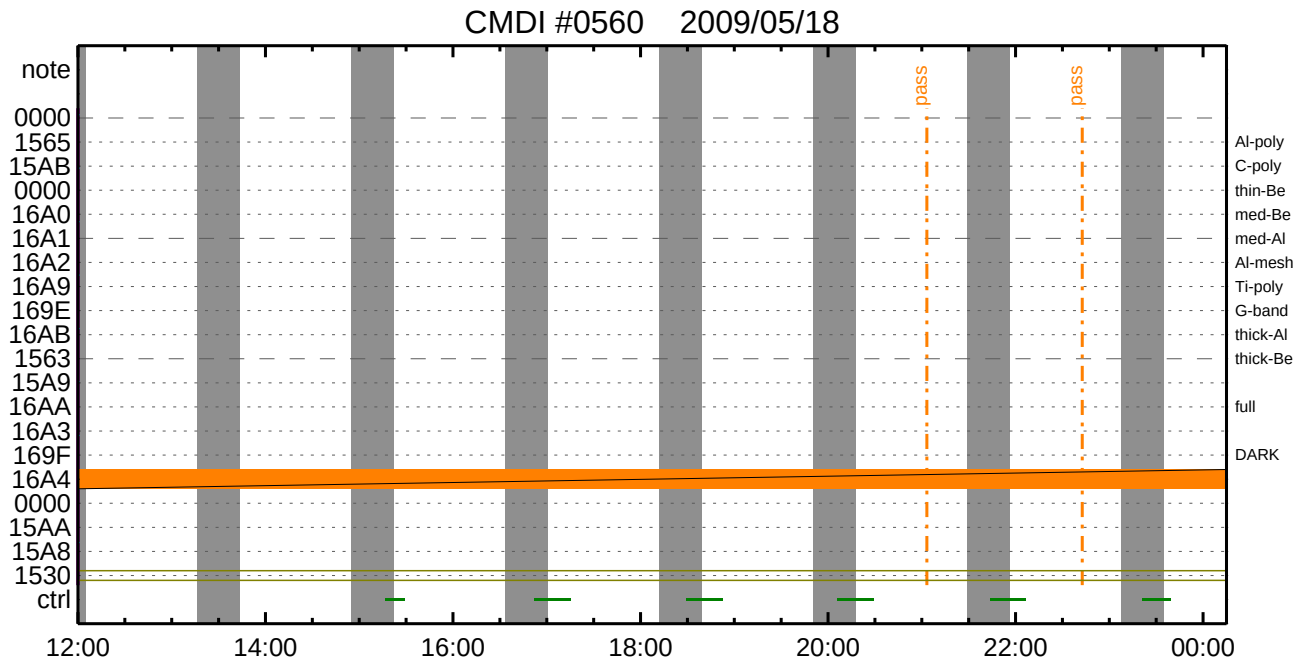

CMDI #0560 2009/05/16
note
0000
1565
15AB
0000
16A0
16A1
16A2
16A9
169E
16AB
1563
15A9
16AA
16A3
169F
16A4
0000
15AA
15A8
1530
ctrl
track0
track2
pass
track3
pass
pass
track0
QT
QT
QT
00:00
02:00
04:00
06:00
08:00
10:00
12:00
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK

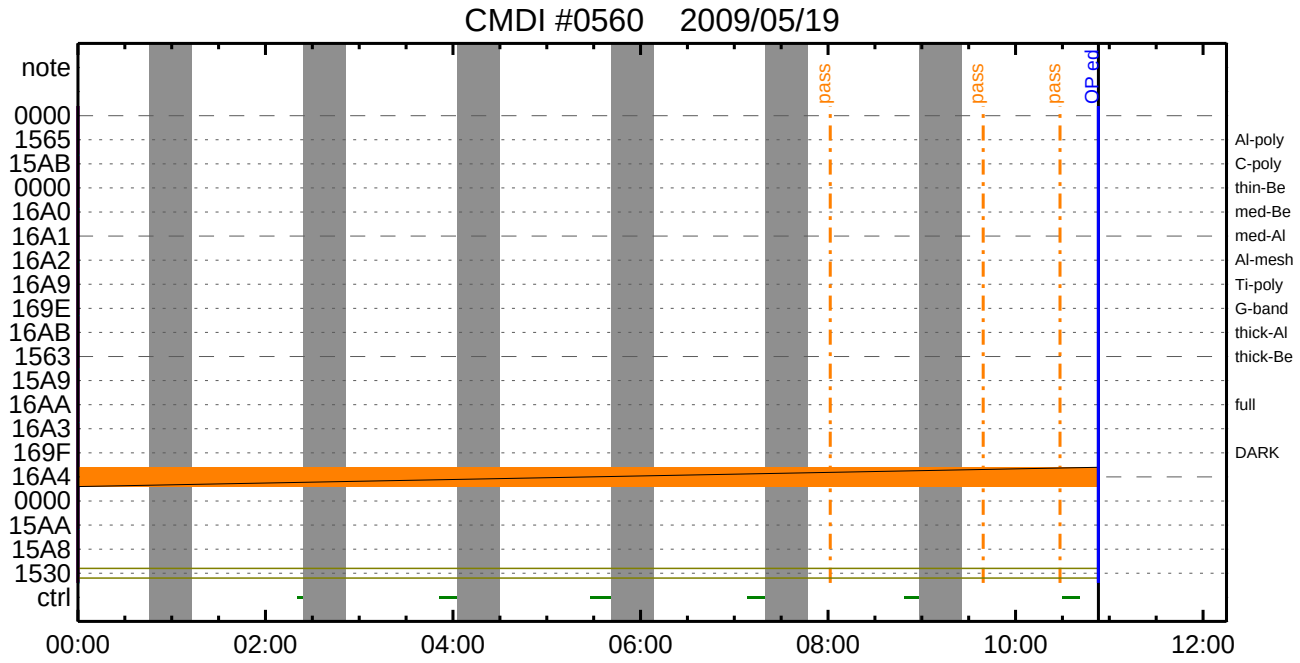

CMDI #0560 2009/05/16
note
0000
1565
15AB
0000
16A0
16A1
16A2
16A9
169E
16AB
1563
15A9
16AA
16A3
169F
16A4
0000
15AA
15A8
1530
ctrl
pass
12:00
14:00
16:00
18:00
20:00
22:00
00:00
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK

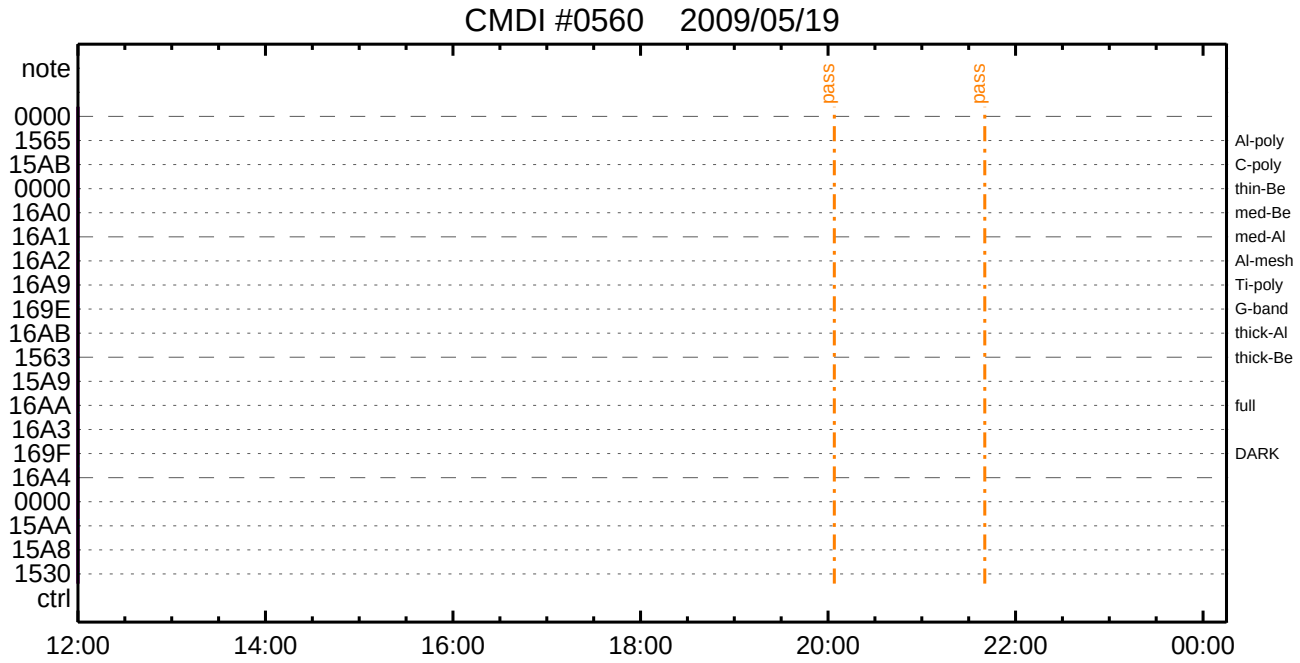

CMDI #0560 2009/05/17
note
0000
1565
15AB
0000
16A0
16A1
16A2
16A9
169E
16AB
1563
15A9
16AA
16A3
169F
16A4
0000
15AA
15A8
1530
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0560 2009/05/17
note
0000
1565
15AB
0000
16A0
16A1
16A2
16A9
169E
16AB
1563
15A9
16AA
16A3
169F
16A4
0000
15AA
15A8
1530
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00


CMDI #0560 2009/05/18
note
pass
pass
0000
1565
15AB
0000
16A0
16A1
16A2
16A9
169E
16AB
1563
15A9
16AA
16A3
169F
16A4
0000
15AA
15A8
1530
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0560 2009/05/18
note
0000
1565
15AB
0000
16A0
16A1
16A2
16A9
169E
16AB
1563
15A9
16AA
16A3
169F
16A4
0000
15AA
15A8
1530
ctrl
pass
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00


CMDI #0560 2009/05/19
note
0000
1565
15AB
0000
16A0
16A1
16A2
16A9
169E
16AB
1563
15A9
16AA
16A3
169F
16A4
0000
15AA
15A8
1530
ctrl
pass
pass
pass
OP end
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0560 2009/05/19
note
0000
1565
15AB
0000
16A0
16A1
16A2
16A9
169E
16AB
1563
15A9
16AA
16A3
169F
16A4
0000
15AA
15A8
1530
ctrl
pass
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

```
(a) Spacecraft Operation Procedure (real-commands)

main-594 2009-05-14 12:32:45 289 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007   +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ËËè½µ•îÍË¡Ë¤Ë¼ºÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011   +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014   . C. ****************************
0015     C. XÁ÷¿®µ¡ON
0016     C. ****************************
0017     C. ¢¨ ºÆÀ¸ Í×ÈÝ¤äLOS¤Þ¤ÇÎ»þ´Ö¤ò¹ÍÎ¸ ¤•¡¢ÉÔÍ×¤ÊXÂÓON¤Ï¹Ô¤Ê¤ï¤Ê¤¤¤³¤È¡£
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.                      ¢¢[HK1_XPA_ON/OFF]              EQ     ON
0025     C.                      ¢¢[HK1_XPA_PWR_HI/LO]           EQ     HI
0026     C.                      ¢¢[HK1_XMOD_ON/OFF]             EQ     ON
0027     C.                      ¢¢[HK1_XMOD_QPSK/PM]            EQ     QPSK
0028     C.
0029   . C. X¥Ð¥ó¥É¥í¥Ã¥¯¾õÂÖ¤¬°ÂÄê¤•¤¿¤é¡¢°Ê²¼¤ÎºÆÀ¸ ¼ê½ç¤ò¼Â¹Ô¤¹¤ë¡£
0030     C.
0031   . C. ***************
0032     C. DR PT1 ÄÌ¾ïºÆÀ¸
0033     C. ***************
0034     C. ¢¨ RESTART¡ÊPT1¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤º¡¢DCBC-150¤Ø¿Ê¤à¡£
0035     C.
0036   . C. ¡ãPT1ºÆÀ¸ ³«»Ï¡ä
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.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾Ú)
0043     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0044     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0045     C.
0046   . C. ¡ã¥¢¥ó¥Æ¥ÈÀÚÂØ¡ÊÅ•Äº²óÈò¡Ë¸å¤ÎºÆÀ¸ ºÆ³«¡ä
0047   +. DC 06-B3 DR_REP_START
0048   +  DC 01-32 DHU_X_VC4_ON
0049     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾Ú)
0050     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0051     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0052     C.
0053     C.
0054   . C. PT1ºÆÀ¸ ¤¬¼«Æ°Ää»ß¤•¤¿¸å¡¢¢°Ê²¼¤ò¼Â¹Ô¤¹¤ë¡£
0055     C. ¥¢¥ó¥Æ¥ÈÀÚÂØ¤äÅ•Äº²óÈò¤¬¶á¤¤¾ì¹ç¤Ï´°Î»¤¹¤ë¤Þ¤ÇÂÔ¤Ä¡£
0056     C.
0057   . C. ***************
0058     C. DR PT2 ÄÌ¾ïºÆÀ¸
0059     C. ***************
0060     C. ¢¨ RESTART¡ÊPT2¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤º¡¢DCBC-151¤Ø¿Ê¤à¡£
0061     C.
0062   . C. ¡ãPT2ºÆÀ¸ ³«»Ï¡ä
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.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾Ú)
0069     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0070     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0071     C.
0072   . C. ¡ã¥¢¥ó¥Æ¥ÈÀÚÂØ¡ÊÅ•Äº²óÈò¡Ë¸å¤ÎºÆÀ¸ ºÆ³«¡ä
0073   +. DC 06-B3 DR_REP_START
0074   +  DC 01-32 DHU_X_VC4_ON
0075     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾Ú)
0076     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0077     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0078     C.
0079   . C. ****************************
0080     C. DRºÆÀ¸ Ää»ß¡¢XÁ÷¿®µ¡OFF
0081     C. ****************************
0082     C.
0083   . C. ¡ãDRºÆÀ¸ Ää»ß¡ä
0084   +. DC 06-B4 DR_REP_STOP
0085   +  DC 01-29 DHU_S/X_VC4_OFF
0086     C.                      ¢¢[HK1_REP_STA/STP]             EQ     STOP
0087     C.                      ¢¢[HK1_S_VC4_ON/OFF]            EQ     OFF
0088     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     OFF
0089     C.
0090   . C. ¡ãXÁ÷¿®µ¡OFF¡ä
0091   +. DC 03-85 TCIA_XMOD_OFF
0092     M. WAIT_SEC   1
0093   +  DC 03-B5 TCIA_XPA_OFF
0094     C.                      ¢¢[HK1_XMOD_ON/OFF]             EQ     OFF
0095     C.                      ¢¢[HK1_XPA_ON/OFF]              EQ     OFF
```

```
      C.
      C.
    . C. ****************************
      C. OP/OG¥í¡¼¥É¡¦¥À¥ó¥×
      C. ****************************
      C.
    . C. ¡ãOP/OG¥í¡¼¥É¡ä
    . S. OP    op-594:OP
      ()
    . S. OG    og-594:OG
      ()
      C.
    . C. ¡ãNMOG&OPÎÎ°è¥À¥ó¥×¡ä
      C. NMOG(0x200000-0x207FFF¡§ 32 kbyte)
   +. DC 01-23 DHU_DMA_DMP_PRM_SET
      BC       (20 00 7f 01 02)
      C.                      ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     40
      C.                      ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
      C.                      ¢¢[HK1_DMP_BLOCK_NUM]           EQ     127
      C.                      ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
      C.                      ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
   +. DC 01-22 DHU_MODE_CHNG
      BC       (07 0b f8)
      C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     7
      C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
      C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
      C.                      ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
      C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
    . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
      C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
    . C. RAM ID=NMOG¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
      C.
      C. NMOG(0x208000-0x20FFFF¡§ 32 kbyte)
   +. DC 01-23 DHU_DMA_DMP_PRM_SET
      BC       (20 80 7f 01 02)
      C.                      ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     41
      C.                      ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
      C.                      ¢¢[HK1_DMP_BLOCK_NUM]           EQ     127
      C.                      ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
      C.                      ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
   +. DC 01-22 DHU_MODE_CHNG
      BC       (07 0b f8)
      C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     7
      C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
      C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
      C.                      ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
      C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
    . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
      C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
    . C. RAM ID=NMOG¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
      C.
      C. NMOG(0x210000-0x2100FF¡§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
   +. DC 01-23 DHU_DMA_DMP_PRM_SET
      BC       (21 00 41 01 02)
      C.                      ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     42
      C.                      ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
      C.                      ¢¢[HK1_DMP_BLOCK_NUM]           EQ     65
      C.                      ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
      C.                      ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
   +. DC 01-22 DHU_MODE_CHNG
      BC       (07 0b f8)
      C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     7
      C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
      C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
      C.                      ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
      C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
    . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
      C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
    . C. RAM ID=NMOG,RAM ID=OP¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
      C.
    . C. ***** °Ê²¼¤Ï¾Ã´¶Á°¤ËÉ¬¤ºÁ÷¿® (¾åµ-¥À¥ó¥×¼ê½ç¤ÒÅÓÃæ¤Ç½ª¤¨¤ë¾ì¹ç¤Ç¤â) *****
      C. DHU¥â¡¼¥É¡Ê¼ý½¸¥ì¡¼¥È¡Ë¤ÒÌá¤¹
   +. DC 01-22 DHU_MODE_CHNG
      BC       (02 0a f8)
      C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     2
      C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.5S
      C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32K
      C.                      ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
      C.
    . C. *********************************
      C. TI-CMD SET (OPOG STOP/COPY/START)
      C. *********************************
      C.
    . C. NOTICE ¡§ OPOG UPLOAD¤¬Á÷¿®NG¤Î¾ì¹ç¡¢°Ê²¼¤ÎTI-CMDÁ÷¿®¤Ï¼Â¹Ô¤•¤Ê¤¤¤³¤È¡£
      C.           ¤Þ¤¿¡¢SET¤ÈDUMP¤ÏÆ±°ì¥Ñ¥¹¤Ç¹Ô¤¦¤³¤È¡£
      C.
    . C. TI¥³¥Þ¥ó¥É¤òÅÐÏ¿(UT)
   +. TI 2009-05-14 10:57:00.0
      DC 01-B3 DHU_OP_STOP
      C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
      C.
   +. TI 2009-05-14 10:57:01.0
      DC 01-B4 DHU_OP_COPY
      C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
      C.
   +. TI 2009-05-14 10:57:01.0
      DC 01-B5 DHU_OPOG_COPY
      C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
```

```
0194     C.
0195   +. TI 2009-05-14 11:01:59.5
0196     DC 01-B2 DHU_OP_START
0197     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0198     C.
0199     C. °Ê²¼¤ÏÄê¾ïÍÑ¤Î¥Á¥§¥Ã¥¯¹àÌÜ
0200     C.                      ¢¢[HK1_TI_CMD_ENA/DIS]          EQ     ENA
0201     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     4
0202     C.                      ¢¢[HK1_NEXT_EXEC_PIM]           EQ     DHU
0203     C.                      ¢¢[HK1_NEXT_EXEC_DC]            EQ     0xB3
0204     C.
0205    . C. ****************************
0206     C. TIÎÎ°è¥À¥ó¥×
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.                      ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     07
0213     C.                      ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     2B
0214     C.                      ¢¢[HK1_DMP_BLOCK_NUM]           EQ     3
0215     C.                      ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0216     C.                      ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0217   +. DC 01-22 DHU_MODE_CHNG
0218     BC       (07 0b f8)
0219     C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     7
0220     C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0221     C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0222     C.                      ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0223     C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0224     C.
0225    . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0226     C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0227     C.
0228    . C. RAM ID=TI_TBL¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0229     C.
0230    . C. DHU¥â¡¼¥É¡Ê¼ý½¸¥ì¡¼¥È¡Ë¤òÌá¤¹
0231   +. DC 01-22 DHU_MODE_CHNG
0232     BC       (02 0a f8)
0233     C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     2
0234     C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.5S
0235     C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32K
0236     C.                      ¢¢[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 2009-05-14 11:01:16.0
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 2009-05-14 11:01:30.0
0256     DC 07-FC EIS_MODE_MANU
0257     BC       (21 02)
0258   +. TI 2009-05-14 11:01:40.0
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 2009-05-14 11:01:00.0
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 ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0276     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0277    . S. DC-BC dcbc-402:DCBC
0278     (MDP_known_event)
0279     C.
0280     C.
0281    . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0282    . S. DC-BC dcbc-153:DCBC
0283     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284     C.
0285     C.
0286    . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0287     C.
0288    . C. ********** LOS **********
0289     C.
```

```
(a) Spacecraft Operation Procedure (real-commands)

main-595 2009-05-14 12:32:45 179 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007   +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ÊËè½µ•îÍË¡Ë¤Ë¼ºÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011   +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014   . C. ***** AOCS Commands (Tracking Curve Upload) ******
0015     C. Upload the Orbit Element and the Target Attitude
0016     C. RAM-ID:TARGET_ATT
0017   . S. RAM   ram-150:TARGET_ATT
0018     ()
0019     C.
0020     C.
0021     C. Set the dump memory area of TARGET_ATT
0022   +. DC 02-48 AOCU_DUMP_SET
0023     BC       (07 00 00 00 18 00)
0024     C.
0025     C.    <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026     C.
0027     C.
0028     C. Change the TLMFormatNo for the AOCS Dump Format
0029   +. DC 01-22 DHU_MODE_CHNG
0030     BC       (04 0b f8)
0031     C.
0032     C. Wait for AOCSDUMP to end
0033     C.
0034   . C. Check the dump memory
0035     C.
0036     C.                                      Result = OK [ ]
0037     C.
0038   +. DC 01-22 DHU_MODE_CHNG
0039     BC       (02 0a f8)
0040     C.
0041     C.                          <A_***>[TLM STS] FMT = 2 [ ]
0042     C.
0043   +. DC 02-8E AOCU_ORB_UPD
0044    . C.
0045     C.
0046     C. ************ XRT START ************
0047     C.
0048   +. DC 07-F0 MDP_XRT_CTRL_MANU
0049     BC       (c1)
0050   +  DC 07-F0 MDP_XRT_MODE_STBY
0051     BC       (c3)
0052    . C. ----------- Success Verify ?             OK / NG____
0053     C.
0054     C. XRT Obs. Table Upload
0055    . S. RAM   ram-291:MDP_OBS_X
0056     ()
0057     C.
0058   +. DC 07-F0 MDP_DUMP_XRTTBL
0059     BC       (84 07 00 00 00 3a d4)
0060    . C. ----------- Comparison Check ?                       OK / ERR ____
0061     C.
0062     C.
0063   +. DC 07-F0 MDP_XRT_ROI_SET
0064     BC       (cd 01 b1 b1 04 04)
0065   +  DC 07-F0 MDP_XRT_ROI_SET
0066     BC       (cd 02 b1 b1 08 08)
0067   +  DC 07-F0 MDP_XRT_ROI_SET
0068     BC       (cd 03 b1 b1 08 08)
0069   +  DC 07-F0 MDP_XRT_ROI_SET
0070     BC       (cd 04 b1 b1 06 06)
0071   +  DC 07-F0 MDP_XRT_ROI_SET
0072     BC       (cd 06 80 80 20 04)
0073   +  DC 07-F0 MDP_XRT_ROI_SET
0074     BC       (cd 07 c0 c0 10 10)
0075   +  DC 07-F0 MDP_XRT_ROI_SET
0076     BC       (cd 08 40 c0 10 10)
0077   +  DC 07-F0 MDP_XRT_ROI_SET
0078     BC       (cd 09 40 40 10 10)
0079   +  DC 07-F0 MDP_XRT_ROI_SET
0080     BC       (cd 0a c0 40 10 10)
0081   +  DC 07-F0 MDP_XRT_ROI_SET
0082     BC       (cd 0b 80 80 20 20)
0083   +  DC 07-F0 MDP_XRT_ROI_SET
0084     BC       (cd 0c 80 80 06 06)
0085   +  DC 07-F0 MDP_XRT_ROI_SET
0086     BC       (cd 0d 80 80 10 0c)
0087   +  DC 07-F0 MDP_XRT_ROI_SET
0088     BC       (cd 0e 93 88 06 06)
0089   +  DC 07-F0 MDP_XRT_ROI_SET
0090     BC       (cd 0f 80 80 04 04)
0091   +  DC 07-F0 MDP_XRT_ROI_SET
0092     BC       (cd 10 80 80 10 10)
0093    . C. ---------- Success Verify ?           OK / NG ____
0094     C.
0095     C.
```

```
0096   . C. All OK?   Yes--> Please Proceed. / No --> Stop here.
0097     C.
0098   +. DC 07-F0 MDP_XRT_MODE_OBSV
0099     BC       (c2)
0100   +. TI 2009-05-14 11:01:02.0
0101     DC 07-F0 MDP_XRT_MODE_OBSV
0102     BC       (c2)
0103   . C. ---------- Success Verify ?            OK / NG ____
0104     C.
0105     C. ************ XRT END ***********
0106   . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0107   +. DC 07-FC EIS_MODE_MANU
0108     BC       (21 02)
0109   . C. Verify EIS in MANUAL mode
0110   . C. Estimated OBSTBL upload time is 1m8s
0111     C. *********************************
0112     C. EIS START OBSTBL LOAD
0113     C. *********************************
0114   . S. RAM   ram-820:EIS_OBSTBL
0115     ()
0116   +. DC 07-FC EIS_DUMP_OBSTBL
0117     BC       (07 07 07 00 00 70 00)
0118     C.
0119     C. Execute, after the success of OBSTBL upload.
0120     C. Set EIS TI-commands
0121   +. TI 2009-05-14 11:01:50.0
0122     DC 07-FC EIS_MODE_CHG_ENA
0123     BC       (20)
0124   . C.                    [   ]  [HK1_TI_CMD_NUM]     EQ    1 COUNTUP
0125     C. *********************************
0126     C. EIS END OBSTBL LOAD
0127     C. *********************************
0128     C. ************************************************
0129     C.  START of XRT_CCD_HEATER_ON operation
0130     C. ************************************************
0131     C.
0132   +. DC 07-F0 MDP_XRT_CTRL_MANU
0133     BC       (c1)
0134     C. ---------- Success Verify ?           OK / NG;
0135     C.
0136   +. DC 07-F0 MDP_XRT_QT_PROG_SET
0137     BC       (c4 0a)
0138   +  DC 07-F0 MDP_XRT_FLD_DIS
0139     BC       (d9)
0140   +  DC 07-F0 MDP_XRT_FLRCTRL_DIS
0141     BC       (c9)
0142   +  DC 07-F0 MDP_XRT_ARS_DIS
0143     BC       (d5)
0144     C. ---------- Success Verify ?            OK / NG ____
0145     C.
0146     C.
0147     C. All OK?   Yes--> Please Proceed. / No --> Stop here.
0148     C.
0149   +. DC 07-F0 MDP_XRT_CTRL_AUTO
0150     BC       (c0)
0151     C. ---------- Success Verify ?           OK / NG;
0152     C.
0153   +. DC 04-BC TCIB_XRT_S_HTR_A_ENA
0154     C. ---------- Success Verify ?           OK / NG;
0155     C.
0156     C. ---------------------------------------
0157     C. If anomalous situation appeared, execute TCIB_XRT_S_HTR_A_DIS using DCBC-441 (line 24)
0158     C. ---------------------------------------
0159     C. ************************************************
0160     C.  END of XRT_CCD_HEATER_ON operation
0161     C. ************************************************
0162     C.
0163     C.
0164     C.
0165   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0166     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0167   . S. DC-BC dcbc-402:DCBC
0168     (MDP_known_event)
0169     C.
0170     C.
0171   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0172   . S. DC-BC dcbc-153:DCBC
0173     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0174     C.
0175     C.
0176   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0177     C.
0178   . C. ********** LOS **********
0179     C.
```

```
(a) Spacecraft Operation Procedure (real-commands)

main-596 2009-05-14 12:32:45 145 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007   +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ËËè½µ•îÍË¡Ë¤Ë¼ºÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011   +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014   . C. ****************************
0015     C. XÁ÷¿®µ¡ON
0016     C. ****************************
0017     C. ¢¨ ºÆÀ¸ Í×ÈÝ¤äLOS¤Þ¤ÇºÎ»Þ´Ö¤ò¹ÍÎ¸ ¤•¡¢ÉÔÍ×¤ÊXÂÓON¤Ï¹Ô¤Ê¤ï¤Ê¤¤¤³¤È¡£
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.                      ¢¢[HK1_XPA_ON/OFF]              EQ     ON
0025     C.                      ¢¢[HK1_XPA_PWR_HI/LO]           EQ     HI
0026     C.                      ¢¢[HK1_XMOD_ON/OFF]             EQ     ON
0027     C.                      ¢¢[HK1_XMOD_QPSK/PM]            EQ     QPSK
0028     C.
0029   . C. X¥Ð¥ó¥É¥í¥Ã¥¯¾õÂÖ¤¬°ÂÄê¤•¤¿¤é¡¢°Ê²¼¤ÎºÆÀ¸ ¼ê½ç¤ò¼Â¹Ô¤¹¤ë¡£
0030     C.
0031   . C. ***************
0032     C. DR PT1 ÄÌ¾ïºÆÀ¸
0033     C. ***************
0034     C. ¢¨ RESTART¡ÊPT1¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤º¡¢DCBC-150¤Ø¿Ê¤à¡£
0035     C.
0036   . C. ¡ãPT1ºÆÀ¸ ³«»Ï¡ä
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.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾Ú)
0043     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0044     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0045     C.
0046   . C. ¡ã¥¢¥ó¥Æ¥ÈÀÚÂØ¡ÊÅ•Äº²óÈò¡Ë¸å¤ÎºÆÀ¸ ºÆ³«¡ä
0047   +. DC 06-B3 DR_REP_START
0048   +  DC 01-32 DHU_X_VC4_ON
0049     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾Ú)
0050     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0051     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0052     C.
0053     C.
0054   . C. PT1ºÆÀ¸ ¤¬¼«Æ°Ää»ß¤•¤¿¸å¡¢¢°Ê²¼¤ò¼Â¹Ô¤¹¤ë¡£
0055     C. ¥¢¥ó¥Æ¥ÈÀÚÂØ¤äÅ•Äº²óÈò¤¬¶á¤¤¾ì¹ç¤Ï´°Î»¤¹¤ë¤Þ¤ÇÂÔ¤Ä¡£
0056     C.
0057   . C. ***************
0058     C. DR PT2 ÄÌ¾ïºÆÀ¸
0059     C. ***************
0060     C. ¢¨ RESTART¡ÊPT2¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤º¡¢DCBC-151¤Ø¿Ê¤à¡£
0061     C.
0062   . C. ¡ãPT2ºÆÀ¸ ³«»Ï¡ä
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.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾Ú)
0069     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0070     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0071     C.
0072   . C. ¡ã¥¢¥ó¥Æ¥ÈÀÚÂØ¡ÊÅ•Äº²óÈò¡Ë¸å¤ÎºÆÀ¸ ºÆ³«¡ä
0073   +. DC 06-B3 DR_REP_START
0074   +  DC 01-32 DHU_X_VC4_ON
0075     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾Ú)
0076     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0077     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0078     C.
0079   . C. ****************************
0080     C. DRºÆÀ¸ Ää»ß¡¢XÁ÷¿®µ¡OFF
0081     C. ****************************
0082     C.
0083   . C. ¡ãDRºÆÀ¸ Ää»ß¡ä
0084   +. DC 06-B4 DR_REP_STOP
0085   +  DC 01-29 DHU_S/X_VC4_OFF
0086     C.                      ¢¢[HK1_REP_STA/STP]             EQ     STOP
0087     C.                      ¢¢[HK1_S_VC4_ON/OFF]            EQ     OFF
0088     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     OFF
0089     C.
0090   . C. ¡ãXÁ÷¿®µ¡OFF¡ä
0091   +. DC 03-85 TCIA_XMOD_OFF
0092     M. WAIT_SEC   1
0093   +  DC 03-B5 TCIA_XPA_OFF
0094     C.                      ¢¢[HK1_XMOD_ON/OFF]             EQ     OFF
0095     C.                      ¢¢[HK1_XPA_ON/OFF]              EQ     OFF
```

```
0096     C.
0097     C.
0098   . C. ******************************
0099     C.  SOT table upload
0100     C. ******************************
0101   . C. < Stop SP table >
0102  +. DC 07-F0 MDP_SP_CTRL_MANU
0103     BC       (61)
0104     C. ------------------------------------
0105     C.  MDP_SP_CTRL_MODE      = MANU    [ ]
0106     C. ------------------------------------
0107     C.
0108   . C. <Upload SP Observation Table>
0109   . S. RAM   ram-286:MDP_OBS_S
0110     ()
0111     C.
0112   . C. < Dump RAMID=MDP_OBS_S >
0113  +. DC 07-F0 MDP_DUMP_SPTBL
0114     BC       (83 07 00 00 00 38 b8)
0115     C. ------------------------------------
0116     C.  MDP_OBS_S verify = OK/NG        [ ]
0117     C. ------------------------------------
0118     C.
0119     C. ******************************
0120     C.  SOT TI command set
0121     C. ******************************
0122     C. Execute, after the success of TBL upload.
0123  +. TI 2009-05-14 11:01:18.0
0124     DC 07-F0 MDP_SOT_MODE_OBSV
0125     BC       (40)
0126   . C. ------------------------------------
0127     C.   HK1_TI_CMD_NUM       = 1 CNTUP [ ]
0128     C. ------------------------------------
0129     C.
0130     C.
0131   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0132     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0133   . S. DC-BC dcbc-402:DCBC
0134     (MDP_known_event)
0135     C.
0136     C.
0137   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0138   . S. DC-BC dcbc-153:DCBC
0139     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0140     C.
0141     C.
0142   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0143     C.
0144   . C. ********** LOS **********
0145     C.
```

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*** OP Sequence for XRT ***

2009/05/14  11:12:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM               5 02-76 02 00 00 00 00
2009/05/14  12:34:00.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2009/05/14  12:43:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2009/05/14  14:12:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2009/05/14  14:22:00.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2009/05/14  14:29:00.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2009/05/14  14:35:30.0  XRT_Custom_430_OG [0x1ae]
2009/05/14  14:36:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2009/05/14  14:45:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM               5 02-76 00 00 00 00 00
2009/05/14  15:15:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM               5 02-76 02 00 00 00 00
2009/05/14  15:51:00.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2009/05/14  16:00:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2009/05/14  16:02:00.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2009/05/14  16:25:30.0  XRT_Custom_430_OG [0x1ae]
2009/05/14  16:26:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2009/05/14  17:29:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2009/05/14  18:02:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2009/05/14  18:02:02.0  XRT_QT_PROG_SET_401_OG [0x191]
                                MDP_XRT_QT_PROG_SET   2 07-F0 c4 13
2009/05/14  18:02:04.0  XRT_ARS_DIS_422_OG [0x1a6]
                                MDP_XRT_ARS_DIS       1 07-F0 d5
2009/05/14  18:02:06.0  XRT_FLD_DIS_445_OG [0x1bd]
                                MDP_XRT_FLD_DIS       1 07-F0 d9
2009/05/14  18:02:08.0  XRT_FLRCTRL_DIS_416_OG [0x1a0]
                                MDP_XRT_FLRCTRL_DIS   1 07-F0 c9
2009/05/14  18:02:10.0  XRT_CTRL_AUTO_403_OG [0x193]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2009/05/14  19:08:00.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2009/05/14  19:39:00.0  XRT_Custom_430_OG [0x1ae]
2009/05/14  19:40:00.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2009/05/14  20:46:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2009/05/14  21:16:30.0  XRT_Custom_430_OG [0x1ae]
2009/05/14  21:17:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2009/05/14  21:50:04.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2009/05/14  21:50:06.0  XRT_TCIB_XRT_S_HTR_A_DIS_417_OG [0x1a1]
                                TCIB_XRT_S_HTR_A_DIS  0 04-C0
2009/05/15  03:49:54.0  XRT_CTRL_MANU_448_OG [0x1c0]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2009/05/15  03:50:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                AOCU_NM               5 02-76 00 2e f9 2e f9
2009/05/15  03:52:32.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                XRT_FOCUS_POSITION    4 07-F8 22 ff aa 00
2009/05/15  03:52:52.0  XRT_QT_PROG_SET_414_OG [0x19e]
                                MDP_XRT_QT_PROG_SET   2 07-F0 c4 02
2009/05/15  03:52:54.0  XRT_FLD_DIS_419_OG [0x1a3]
                                MDP_XRT_FLD_DIS       1 07-F0 d9
2009/05/15  03:52:56.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                MDP_XRT_FLRCTRL_DIS   1 07-F0 c9
2009/05/15  03:52:58.0  XRT_ARS_DIS_418_OG [0x1a2]
                                MDP_XRT_ARS_DIS       1 07-F0 d5
2009/05/15  03:53:00.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2009/05/15  03:59:54.0  XRT_CTRL_MANU_448_OG [0x1c0]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2009/05/15  04:00:00.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                AOCU_NM               5 02-76 00 2e f9 d1 07
2009/05/15  04:02:32.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                XRT_FOCUS_POSITION    4 07-F8 22 ff aa 00
2009/05/15  04:02:52.0  XRT_QT_PROG_SET_407_OG [0x197]
                                MDP_XRT_QT_PROG_SET   2 07-F0 c4 09
2009/05/15  04:02:54.0  XRT_FLD_DIS_419_OG [0x1a3]
                                MDP_XRT_FLD_DIS       1 07-F0 d9
2009/05/15  04:02:56.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                MDP_XRT_FLRCTRL_DIS   1 07-F0 c9
2009/05/15  04:02:58.0  XRT_ARS_DIS_418_OG [0x1a2]
                                MDP_XRT_ARS_DIS       1 07-F0 d5
2009/05/15  04:03:00.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2009/05/15  04:09:54.0  XRT_CTRL_MANU_448_OG [0x1c0]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2009/05/15  04:10:00.0  AOCS_ORe-point_Start_5_OG [0x09b]
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                                    AOCU_NM              5 02-76 00 d1 07 d1 07
2009/05/15  04:12:32.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2009/05/15  04:12:52.0  XRT_QT_PROG_SET_443_OG [0x1bb]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 03
2009/05/15  04:12:54.0  XRT_FLD_DIS_419_OG [0x1a3]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2009/05/15  04:12:56.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2009/05/15  04:12:58.0  XRT_ARS_DIS_418_OG [0x1a2]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2009/05/15  04:13:00.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/15  04:19:54.0  XRT_CTRL_MANU_448_OG [0x1c0]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  04:20:00.0  AOCS_ORe-point_Start_6_OG [0x09c]
                                    AOCU_NM              5 02-76 00 d1 07 2e f9
2009/05/15  04:22:32.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2009/05/15  04:22:52.0  XRT_QT_PROG_SET_424_OG [0x1a8]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 12
2009/05/15  04:22:54.0  XRT_FLD_DIS_419_OG [0x1a3]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2009/05/15  04:22:56.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2009/05/15  04:22:58.0  XRT_ARS_DIS_418_OG [0x1a2]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2009/05/15  04:23:00.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/15  04:30:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                    AOCU_NM              5 02-76 02 00 00 00 00
2009/05/15  05:48:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  05:48:56.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2009/05/15  05:49:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                    AOCU_NM              5 02-76 00 00 00 00 00
2009/05/15  05:49:16.0  XRT_FLD_DIS_419_OG [0x1a3]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2009/05/15  05:49:18.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2009/05/15  05:49:20.0  XRT_ARS_DIS_410_OG [0x19a]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2009/05/15  05:51:58.0  XRT_QT_PROG_SET_404_OG [0x194]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 10
2009/05/15  05:52:00.0  XRT_CTRL_AUTO_403_OG [0x193]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/15  05:59:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                    AOCU_NM              5 02-76 02 00 00 00 00
2009/05/15  06:19:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  06:19:02.0  XRT_FOCUS_POSITION_441_OG [0x1b9]
                                    XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2009/05/15  06:19:22.0  XRT_QT_PROG_SET_412_OG [0x19c]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 08
2009/05/15  06:19:24.0  XRT_AEC_RESET_415_OG [0x19f]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2009/05/15  06:19:26.0  XRT_ARS_DIS_422_OG [0x1a6]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2009/05/15  06:19:28.0  XRT_FLD_DIS_445_OG [0x1bd]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2009/05/15  06:19:30.0  XRT_FLRCTRL_DIS_425_OG [0x1a9]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2009/05/15  06:22:08.0  XRT_CTRL_AUTO_403_OG [0x193]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/15  07:05:30.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  09:05:00.0  AOCS_ORe-point_Start_7_OG [0x09d]
                                    AOCU_NM              5 02-76 03 00 00 00 00
2009/05/15  11:45:00.0  AOCS_ORe-point_Start_8_OG [0x09e]
                                    AOCU_NM              5 02-76 01 00 00 00 00
2009/05/15  11:51:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  11:51:02.0  XRT_FOCUS_POSITION_441_OG [0x1b9]
                                    XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2009/05/15  11:51:22.0  XRT_QT_PROG_SET_408_OG [0x198]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 07
2009/05/15  11:51:24.0  XRT_ARS_DIS_422_OG [0x1a6]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2009/05/15  11:51:26.0  XRT_FLD_DIS_445_OG [0x1bd]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2009/05/15  11:51:28.0  XRT_FLRCTRL_DIS_425_OG [0x1a9]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2009/05/15  11:54:06.0  XRT_CTRL_AUTO_403_OG [0x193]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/15  12:06:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  12:06:02.0  XRT_FOCUS_POSITION_441_OG [0x1b9]
                                    XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2009/05/15  12:06:22.0  XRT_QT_PROG_SET_421_OG [0x1a5]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 0b
2009/05/15  12:06:24.0  XRT_ARS_DIS_422_OG [0x1a6]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
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2009/05/15  12:06:26.0  XRT_FLD_DIS_445_OG [0x1bd]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2009/05/15  12:06:28.0  XRT_FLRCTRL_DIS_425_OG [0x1a9]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2009/05/15  12:09:06.0  XRT_CTRL_AUTO_403_OG [0x193]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/15  13:03:00.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  13:29:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/15  14:41:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  15:00:00.0  AOCS_ORe-point_Start_9_OG [0x09f]
                                AOCU_NM              5 02-76 04 00 00 00 00
2009/05/15  15:15:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  15:15:02.0  XRT_FOCUS_POSITION_441_OG [0x1b9]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2009/05/15  15:15:22.0  XRT_QT_PROG_SET_421_OG [0x1a5]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0b
2009/05/15  15:15:24.0  XRT_ARS_DIS_422_OG [0x1a6]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2009/05/15  15:15:26.0  XRT_FLD_DIS_445_OG [0x1bd]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2009/05/15  15:15:28.0  XRT_FLRCTRL_DIS_425_OG [0x1a9]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2009/05/15  15:18:06.0  XRT_CTRL_AUTO_403_OG [0x193]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/15  16:20:00.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  17:02:00.0  XRT_Custom_430_OG [0x1ae]
2009/05/15  17:03:00.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/15  17:58:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  18:25:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  18:25:02.0  XRT_FOCUS_POSITION_441_OG [0x1b9]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2009/05/15  18:25:22.0  XRT_QT_PROG_SET_405_OG [0x195]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0d
2009/05/15  18:25:24.0  XRT_ARS_DIS_422_OG [0x1a6]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2009/05/15  18:25:26.0  XRT_FLD_DIS_445_OG [0x1bd]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2009/05/15  18:25:28.0  XRT_FLRCTRL_DIS_425_OG [0x1a9]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2009/05/15  18:28:06.0  XRT_CTRL_AUTO_403_OG [0x193]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/15  18:39:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  18:39:56.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2009/05/15  18:40:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
2009/05/15  18:40:16.0  XRT_FLD_DIS_419_OG [0x1a3]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2009/05/15  18:40:18.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2009/05/15  18:40:20.0  XRT_ARS_DIS_410_OG [0x19a]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2009/05/15  18:42:58.0  XRT_QT_PROG_SET_409_OG [0x199]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0f
2009/05/15  18:43:00.0  XRT_CTRL_AUTO_440_OG [0x1b8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/15  18:49:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  18:49:56.0  XRT_FOCUS_POSITION_441_OG [0x1b9]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2009/05/15  18:50:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM              5 02-76 02 00 00 00 00
2009/05/15  18:50:16.0  XRT_QT_PROG_SET_408_OG [0x198]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 07
2009/05/15  18:50:18.0  XRT_ARS_DIS_422_OG [0x1a6]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2009/05/15  18:50:20.5  XRT_FLD_DIS_445_OG [0x1bd]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2009/05/15  18:50:22.5  XRT_FLRCTRL_DIS_425_OG [0x1a9]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2009/05/15  18:53:00.5  XRT_CTRL_AUTO_403_OG [0x193]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/15  19:05:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  19:05:02.0  XRT_FOCUS_POSITION_441_OG [0x1b9]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2009/05/15  19:05:22.0  XRT_QT_PROG_SET_421_OG [0x1a5]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0b
2009/05/15  19:05:24.0  XRT_ARS_DIS_422_OG [0x1a6]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2009/05/15  19:05:26.0  XRT_FLD_DIS_445_OG [0x1bd]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2009/05/15  19:05:28.0  XRT_FLRCTRL_DIS_425_OG [0x1a9]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
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2009/05/15  19:08:06.0  XRT_CTRL_AUTO_403_OG [0x193]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/15  19:37:00.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  20:16:00.0  XRT_Custom_430_OG [0x1ae]
2009/05/15  20:17:00.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/15  21:15:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  21:53:00.0  XRT_Custom_430_OG [0x1ae]
2009/05/15  21:54:00.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/15  22:54:00.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/15  23:27:30.0  XRT_Custom_430_OG [0x1ae]
2009/05/15  23:28:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/16  00:32:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/16  00:59:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/16  00:59:02.0  XRT_FOCUS_POSITION_441_OG [0x1b9]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2009/05/16  00:59:22.0  XRT_QT_PROG_SET_408_OG [0x198]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 07
2009/05/16  00:59:24.0  XRT_ARS_DIS_422_OG [0x1a6]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2009/05/16  00:59:26.0  XRT_FLD_DIS_445_OG [0x1bd]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2009/05/16  00:59:28.0  XRT_FLRCTRL_DIS_425_OG [0x1a9]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2009/05/16  01:02:06.0  XRT_CTRL_AUTO_403_OG [0x193]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/16  02:07:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/16  02:37:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/16  03:42:30.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/16  05:59:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/16  05:59:56.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2009/05/16  06:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
2009/05/16  06:00:16.0  XRT_FLD_DIS_419_OG [0x1a3]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2009/05/16  06:00:18.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2009/05/16  06:00:20.0  XRT_ARS_DIS_410_OG [0x19a]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2009/05/16  06:02:58.0  XRT_QT_PROG_SET_404_OG [0x194]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 10
2009/05/16  06:03:00.0  XRT_CTRL_AUTO_403_OG [0x193]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/16  06:10:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2009/05/16  06:10:02.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2009/05/16  06:10:22.0  XRT_FLD_DIS_419_OG [0x1a3]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2009/05/16  06:10:24.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2009/05/16  06:10:26.0  XRT_ARS_DIS_410_OG [0x19a]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2009/05/16  06:13:04.0  XRT_QT_PROG_SET_402_OG [0x192]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 05
2009/05/16  06:13:06.0  XRT_CTRL_AUTO_403_OG [0x193]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2009/05/16  06:50:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM              5 02-76 02 00 00 00 00
2009/05/16  08:05:00.0  AOCS_ORe-point_Start_7_OG [0x09d]
                                AOCU_NM              5 02-76 03 00 00 00 00
2009/05/16  10:49:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
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