

XRT Timeline to be uploaded on 2016/07/12

Period: 2016/07/12 11:18:00 - 2016/07/21 09:34:00

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Normal mode

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XOB #1AEC: G-Band Alignment with North Pole Q90 2x2 (G-band and VLS=CLS) - 1msec (Al/poly) - 4096msec - 5min cadence - Partial Sun-wNGT

Term	Pointing (x, y)	Comment
07/12 11:43:00 - 07/12 14:19:54	Fixed (0.0, 930.0)	# OP start + 10min Co-alignment for N-limb
PROG= 19 1-time(s)		
└ Subr= 1 24-time(s) 300.0sec		
└ Seqn= 98 1-time(s) 2.0sec		
└ Open/G-band	Open/G-band open	Safe Norm 1ms Obs 2x2 2048x1536 (1024, 768) Q=90 0 0 2.0sec
└ Seqn= 63 1-time(s) 2.0sec		
└ Open/G-band	Open/G-band close	Safe Norm 1ms Obs 2x2 2048x1536 (1024, 768) Q=90 0 0 2.0sec
└ Seqn= 45 1-time(s) 2.0sec		
└ Al-poly/Open	med-Be/Open close	Safe Norm 4.00s Obs 2x2 2048x1536 (1024, 768) Q=95 0 0 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

XOB #1AED: G-Band Alignment with East limb Q90 2x2 (G-band and VLS=CLS) - 1msec - (Al/poly) 1443msec - 8 min cadence-wNGT

Term	Pointing (x, y)	Comment
07/12 14:35:00 - 07/12 16:19:54	Fixed (-970.0, 0.0)	# Co-alignment for E-limb
PROG= 12 1-time(s)		
└ Subr= 1 15-time(s) 480.0sec		
└ Seqn= 19 1-time(s) 2.0sec		
└ Open/G-band	Open/G-band open	Safe Norm 1ms Obs 2x2 1536x2048 (1280, 1024) Q=90 0 0 2.0sec
└ Seqn= 43 1-time(s) 2.0sec		
└ Open/G-band	Open/G-band close	Safe Norm 1ms Obs 2x2 1536x2048 (1280, 1024) Q=90 0 0 2.0sec
└ Seqn= 70 1-time(s) 2.0sec		
└ Al-poly/Open	med-Be/Open close	Safe Norm 1.41s Obs 2x2 1536x2048 (1280, 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 #1AFF: AR - Standard Core - (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 384x384 at 1064 1048, thin-Be, and Al/poly context, with

Term	Pointing (x, y)	Comment
07/12 16:23:00 - 07/12 18:01:54	Track (-464.9, 35.2) @ 07/12 16:20:00	# AR 12564
07/14 18:11:00 - 07/15 06:15:24	Track (-31.6, 23.1) @ 07/14 18:08:00	# AR 12564 (test for HOP 306 on 22-04 UT)
PROG= 11 Inf.-time(s)		
└ Subr= 1 1-time(s) 2.0sec		
└ Seqn= 56 1-time(s) 2.0sec		
└ Open/G-band	Open/G-band open	Safe Norm 3ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
└ Open/G-band	Open/G-band close	Safe Norm 3ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
└ Open/Ti-poly	Open/thick-Al close	Safe Dark 16.0s Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec
└ Subr= 2 5-time(s) 2.0sec		
└ Seqn= 75 1-time(s) 2.0sec		
└ Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 2 0 2.0sec
└ thin-Be/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
└ thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 2 0 2.0sec
└ thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
└ Seqn= 96 4-time(s) 60.0sec		
└ Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 1 0 2.0sec
└ thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 1 0 15.0sec
└ Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 1 1 2.0sec
└ thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 1 1 15.0sec
└ Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 1 2 2.0sec
└ thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 1 2 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

XOB #1B0A: Synoptic Q95 2x2 - Al/mesh(12/181/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(24/362/1443) + T

Term	Pointing (x, y)	Comment
07/12 18:05:00 - 07/12 18:31:54	Fixed (0.0, 0.0)	synoptic, shifted 2.0 min
07/13 05:35:00 - 07/13 05:41:54	Fixed (0.0, 0.0)	synoptic, shifted -28.0 min
07/13 18:24:00 - 07/13 18:30:54	Fixed (0.0, 0.0)	synoptic, shifted 21.0 min
07/14 06:09:00 - 07/14 06:15:54	Fixed (0.0, 0.0)	synoptic, shifted 6.0 min
07/14 18:01:00 - 07/14 18:07:54	Fixed (0.0, 0.0)	synoptic, shifted -2.0 min
07/15 06:18:30 - 07/15 06:25:24	Fixed (0.0, 0.0)	synoptic, shifted 15.5 min
07/15 17:59:00 - 07/15 18:05:54	Fixed (0.0, 0.0)	synoptic, shifted -4.0 min
07/16 05:43:00 - 07/16 05:49:54	Fixed (0.0, 0.0)	synoptic, shifted -20.0 min
07/16 17:34:00 - 07/16 17:40:54	Fixed (0.0, 0.0)	synoptic, shifted -29.0 min
07/17 06:03:00 - 07/17 06:09:54	Fixed (0.0, 0.0)	synoptic
07/17 18:03:00 - 07/17 18:09:54	Fixed (0.0, 0.0)	synoptic
07/18 06:26:00 - 07/18 06:32:54	Fixed (0.0, 0.0)	synoptic, shifted 23.0 min
07/18 18:07:30 - 07/18 18:12:24	Fixed (0.0, 0.0)	synoptic, shifted 2.5 min
PROG= 13 1-time(s)		
└ Subr= 1 1-time(s) 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= 91		1-time(s)	2.0sec									
	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	177ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Seqn= 93		1-time(s)	2.0sec									
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	24ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	354ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	1.41s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Seqn= 77		1-time(s)	2.0sec									
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	86ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Seqn= 54		1-time(s)	2.0sec									
	Open/G-band	Open/G-band	open	Safe	Norm	3ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	3ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1B18: AR - Standard Core - (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 384x384 at 1064 1048, thin-Be, and Al/poly context, with

Term	Pointing (x, y)	Comment
07/12 18:35:00 - 07/13 05:31:54	Track (-447.3, 34.4) @ 07/12 18:32:00	# AR 12564
07/13 05:45:00 - 07/13 17:36:30	Track (-355.2, 30.5) @ 07/13 05:42:00	# AR 12564
07/13 18:34:00 - 07/14 06:05:54	Track (-244.4, 27.0) @ 07/13 18:31:00	# AR 12564
07/14 06:19:00 - 07/14 17:57:54	Track (-139.4, 24.6) @ 07/14 06:16:00	# AR 12564
07/15 06:28:30 - 07/15 17:09:30	Track (80.6, 22.5) @ 07/15 06:25:30	# AR 12564
07/15 18:09:00 - 07/16 05:39:54	Track (186.1, 22.9) @ 07/15 18:06:00	# AR 12564 (test for HOP306 on 22-04 UT)
07/16 05:53:00 - 07/16 17:30:54	Track (289.7, 24.2) @ 07/16 05:50:00	# AR 12564
07/16 17:44:00 - 07/17 05:59:54	Track (390.5, 26.6) @ 07/16 17:41:00	# AR 12564
07/17 06:13:00 - 07/17 17:59:54	Track (491.1, 30.1) @ 07/17 06:10:00	# AR 12564
07/17 18:13:00 - 07/18 06:22:54	Track (580.9, 34.4) @ 07/17 18:10:00	# AR 12564
07/18 06:36:00 - 07/18 17:18:00	Track (665.3, 39.9) @ 07/18 06:33:00	# AR 12564

PROG= 16 Inf.-time(s)

	Subr= 1		1-time(s)	2.0sec									
	Seqn= 56		1-time(s)	2.0sec									
	Open/G-band	Open/G-band	open	Safe	Norm	3ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	3ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
	Subr= 2		5-time(s)	2.0sec									
	Seqn= 75		1-time(s)	2.0sec									
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	2	0	2.0sec
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	2	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	Seqn= 50		4-time(s)	90.0sec									
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	25.0sec
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	1	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	1	25.0sec
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	2	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	2	25.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1B40: AR - Standard Core - (Three Filter with Al/poly, thin-Be and med-Be) with PFB, 384x384 at 1064 1048, with G-band (3ms/3ms VLS=CLS), 90 ca

Term	Pointing (x, y)	Comment
07/18 18:15:30 - 07/19 05:48:24	Track (735.9, 45.8) @ 07/18 18:12:30	# AR 12564

PROG= 15 Inf.-time(s)

	Subr= 1		1-time(s)	2.0sec									
	Seqn= 56		1-time(s)	2.0sec									
	Open/G-band	Open/G-band	open	Safe	Norm	3ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	3ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
	Subr= 2		5-time(s)	2.0sec									
	Seqn= 22		1-time(s)	2.0sec									
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	2.0sec
	med-Be/Open	Open/thick-Al	close	Safe	Norm	4.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	Seqn= 27		4-time(s)	90.0sec									
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	25.0sec
	med-Be/Open	Open/thick-Al	close	Safe	Norm	4.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	1	25.0sec
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	2	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	2	25.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1B35: Synoptic 7 Filter w/ Al-mesh(24/256/2897), Al-poly(45/512/4096), Thin-Be(181/2048/11571) - Thick-Be(65536), Al-poly+Ti-poly(362/4096), Med-Al

Term	Pointing (x, y)	Comment
07/19 05:51:30 - 07/19 05:58:24	Fixed (0.0, 0.0)	synoptic, shifted -11.5 min
PROG= 04 1-time(s)		
Subr= 1 1-time(s) 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= 1 1-time(s) 2.0sec		
Open/Al-mesh	Open/Al-mesh close	Safe Norm 24ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close	Safe Norm 250ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close	Safe Norm 2.83s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 99 1-time(s) 2.0sec		
Al-poly/Open	Al-poly/Open close	Safe Norm 44ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/Open close	Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/thick-Al close	Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 67 1-time(s) 2.0sec		
thin-Be/Open	thin-Be/Open close	Safe Norm 177ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open close	Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open close	Safe Norm 11.3s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 54 1-time(s) 4.0sec		
Open/G-band	Open/G-band open	Safe Norm 3ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 3ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Subr= 2 1-time(s) 2.0sec		
Seqn= 46 2-time(s) 2.0sec		
Open/thick-Be	Open/thick-Be close	Safe Norm 64.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Seqn= 94 2-time(s) 2.0sec		
Al-poly/Ti-poly	Al-poly/thick-Al close	Safe Norm 354ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al close	Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Seqn= 68 2-time(s) 2.0sec		
med-Al/Open	med-Al/Open close	Safe Norm 2.83s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
med-Al/Open	med-Al/Open close	Safe Norm 32.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

XOB #1B3F: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (2x2,1ms) - Leak (2x2,1ms) - 90s cad (G-band/Leak first)

Term	Pointing (x, y)	Comment
07/19 06:01:30 - 07/19 09:36:00	Fixed (970.0, 0.0)	# EIS Spectral atlas
PROG= 06 Inf.-time(s)		
Subr= 1 1-time(s) 2.0sec		
Seqn= 26 1-time(s) 2.0sec		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 2x2 2048x2048 (1024, 1024) Q=90 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Subr= 2 40-time(s) 90.0sec		
Seqn= 8 1-time(s) 2.0sec		
thin-Be/Open	med-Be/Open close	Safe Norm 1.00s Obs 4x4 2048x2048 (1024, 1024) Q=98 3 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 1.41s Obs 4x4 2048x2048 (1024, 1024) DPCM 2 0 2.0sec
Seqn= 6 1-time(s) 2.0sec		
Al-poly/Open	Al-poly/Open close	Safe Norm 125ms Obs 4x4 2048x2048 (1024, 1024) Q=98 3 0 2.0sec
Al-poly/Open	Al-poly/Open close	Safe Norm 1.00s Obs 4x4 2048x2048 (1024, 1024) DPCM 2 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 #1AE7: Flare - multifilter 26 sec cadence (Be/thin, Be/med, Al/thick), AEC 3(thin-Be AEC2), 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512

Term	Pointing (x, y)	Comment
07/12 16:23:00 - 07/12 18:01:54	Track (-464.9, 35.2) [Ⓜ] 07/12 16:20:00	# AR 12564
07/12 18:35:00 - 07/13 05:31:54	Track (-447.3, 34.4) [Ⓜ] 07/12 18:32:00	# AR 12564
07/13 05:45:00 - 07/13 17:36:30	Track (-355.2, 30.5) [Ⓜ] 07/13 05:42:00	# AR 12564
07/13 18:34:00 - 07/14 06:05:54	Track (-244.4, 27.0) [Ⓜ] 07/13 18:31:00	# AR 12564
07/14 06:19:00 - 07/14 17:57:54	Track (-139.4, 24.6) [Ⓜ] 07/14 06:16:00	# AR 12564
07/14 18:11:00 - 07/15 06:15:24	Track (-31.6, 23.1) [Ⓜ] 07/14 18:08:00	# AR 12564 (test for HOP 306 on 22-04 UT)
07/15 06:28:30 - 07/15 17:09:30	Track (80.6, 22.5) [Ⓜ] 07/15 06:25:30	# AR 12564
07/15 18:09:00 - 07/16 05:39:54	Track (186.1, 22.9) [Ⓜ] 07/15 18:06:00	# AR 12564 (test for HOP306 on 22-04 UT)
07/16 05:53:00 - 07/16 17:30:54	Track (289.7, 24.2) [Ⓜ] 07/16 05:50:00	# AR 12564
07/16 17:44:00 - 07/17 05:59:54	Track (390.5, 26.6) [Ⓜ] 07/16 17:41:00	# AR 12564
07/17 06:13:00 - 07/17 17:59:54	Track (491.1, 30.1) [Ⓜ] 07/17 06:10:00	# AR 12564
07/17 18:13:00 - 07/18 06:22:54	Track (580.9, 34.4) [Ⓜ] 07/17 18:10:00	# AR 12564
07/18 06:36:00 - 07/18 17:18:00	Track (665.3, 39.9) [Ⓜ] 07/18 06:33:00	# AR 12564
07/18 18:15:30 - 07/19 05:48:24	Track (735.9, 45.8) [Ⓜ] 07/18 18:12:30	# AR 12564
07/19 06:01:30 - 07/19 09:36:00	Fixed (970.0, 0.0)	# EIS Spectral atlas

PROG= 07 30-time(s)

Subr= 1 20-time(s) 2.0sec		
Seqn= 11 1-time(s) 2.0sec		
Al-poly/Open	Al-poly/thick-Al close	Safe Norm 125ms Obs 2x2 512x512 (1024, 1024) Q=95 2 0 2.0sec
Seqn=100 1-time(s) 10.0sec		

	thin-Be/Open	med-Be/Open	close	Safe	Norm	125ms	Obs	1x1	384x384 (1024, 1024)	Q=95	2	0	2.0sec
	med-Be/Open	Open/thick-Al	close	Safe	Norm	250ms	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
	Open/thick-Al	Open/thick-Be	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Subr= 2	1-time(s)	2.0sec											
	Seqn= 10	1-time(s)	2.0sec										
	med-Al/Open	med-Al/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
	Seqn= 11	1-time(s)	2.0sec										
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
	Seqn= 84	1-time(s)	2.0sec										
	Open/G-band	Open/G-band	open	Safe	Norm	3ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	3ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
	Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
	Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=98	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

* * * * *

Active Region Search

* * * * *

NOT USED

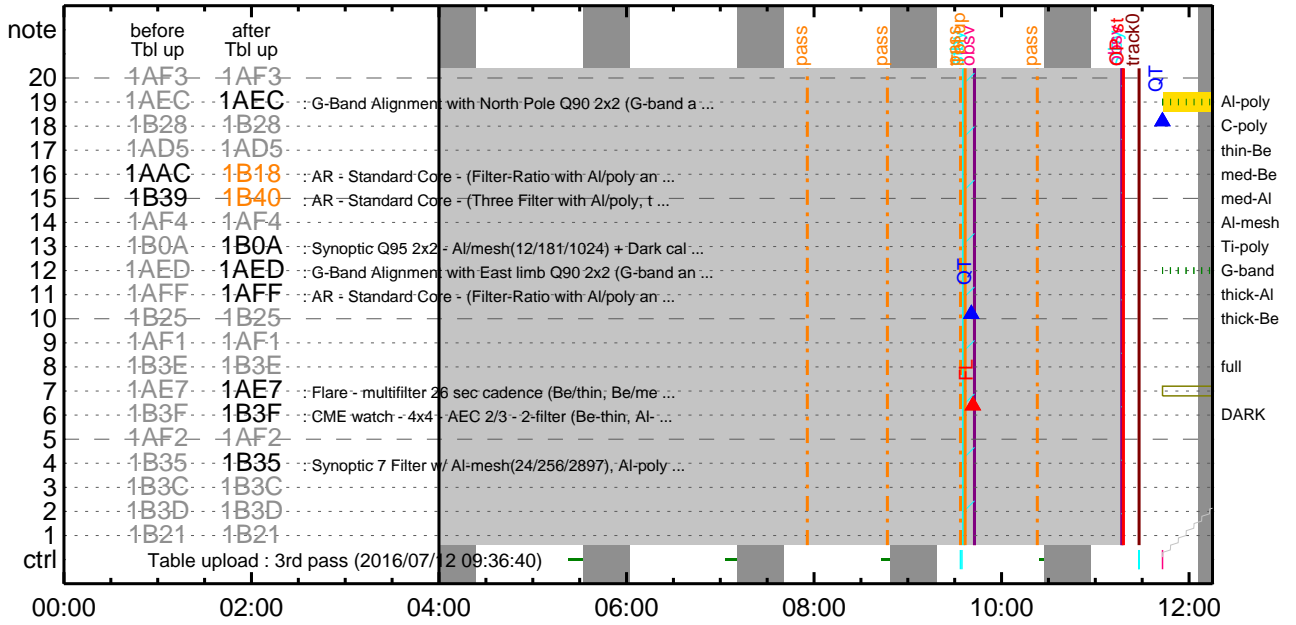
* * * * *

Flare Detection

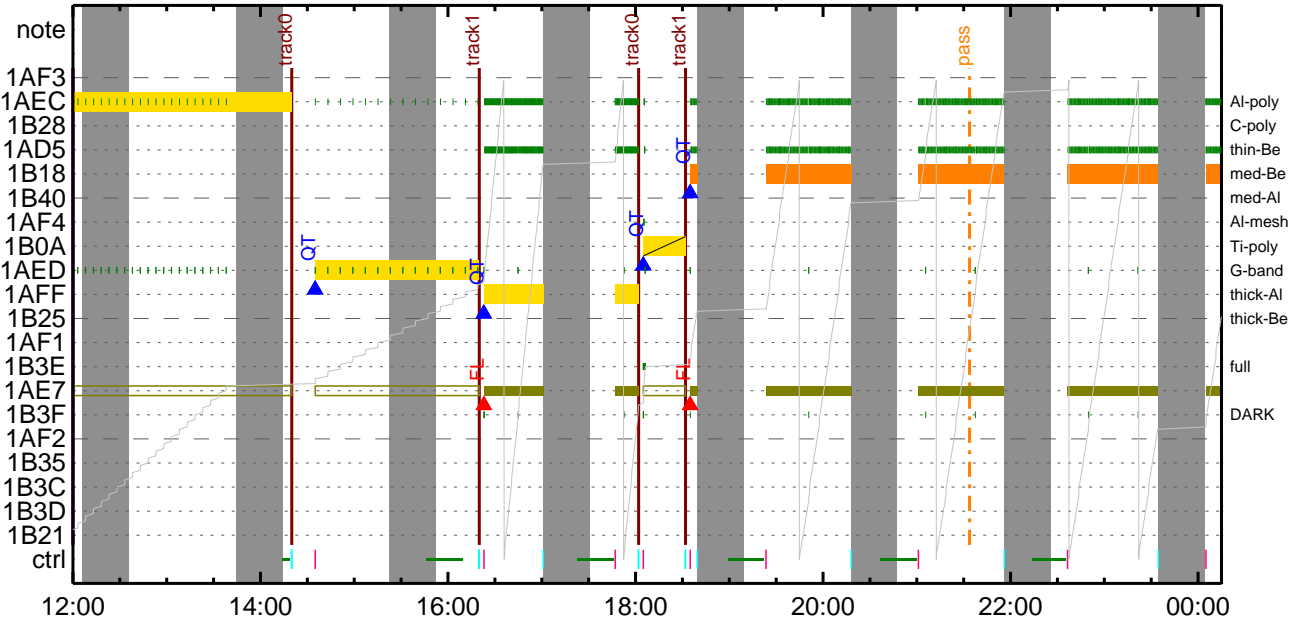
* * * * *

FLD Patrol													
Term	Pointing (x, y)		Comment										
07/12 16:20:18 - 07/12 18:02:18	Track (	-464.9, 35.2)	@ 07/12 16:20:00	# AR 12564									
07/12 18:32:18 - 07/13 05:32:18	Track (	-447.3, 34.4)	@ 07/12 18:32:00	# AR 12564									
07/13 05:42:18 - 07/13 18:21:18	Track (	-355.2, 30.5)	@ 07/13 05:42:00	# AR 12564									
07/13 18:31:18 - 07/14 06:06:18	Track (	-244.4, 27.0)	@ 07/13 18:31:00	# AR 12564									
07/14 06:16:18 - 07/14 17:58:18	Track (	-139.4, 24.6)	@ 07/14 06:16:00	# AR 12564									
07/14 18:08:18 - 07/15 06:15:48	Track (	-31.6, 23.1)	@ 07/14 18:08:00	# AR 12564	(test for HOP 306 on 22-04 UT)								
07/15 06:25:48 - 07/15 17:56:18	Track (	80.6, 22.5)	@ 07/15 06:25:30	# AR 12564									
07/15 18:06:18 - 07/16 05:40:18	Track (	186.1, 22.9)	@ 07/15 18:06:00	# AR 12564	(test for HOP306 on 22-04 UT)								
07/16 05:50:18 - 07/16 17:31:18	Track (	289.7, 24.2)	@ 07/16 05:50:00	# AR 12564									
07/16 17:41:18 - 07/17 06:00:18	Track (	390.5, 26.6)	@ 07/16 17:41:00	# AR 12564									
07/17 06:10:18 - 07/17 18:00:18	Track (	491.1, 30.1)	@ 07/17 06:10:00	# AR 12564									
07/17 18:10:18 - 07/18 06:23:18	Track (	580.9, 34.4)	@ 07/17 18:10:00	# AR 12564									
07/18 06:33:18 - 07/18 18:06:48	Track (	665.3, 39.9)	@ 07/18 06:33:00	# AR 12564									
07/18 18:12:48 - 07/19 05:48:48	Track (	735.9, 45.8)	@ 07/18 18:12:30	# AR 12564									
07/19 05:58:48 - 07/21 09:34:00	Fixed (	970.0, 0.0)		# EIS Spectral atlas									
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		

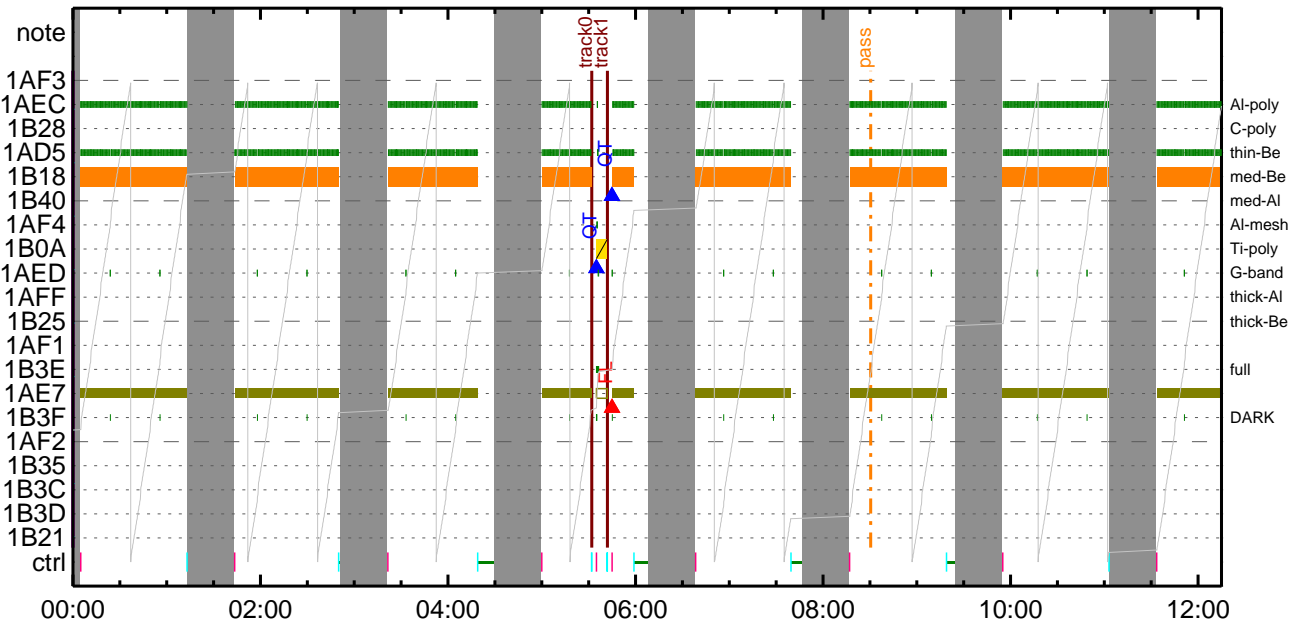
CMDI #0049 2016/07/12



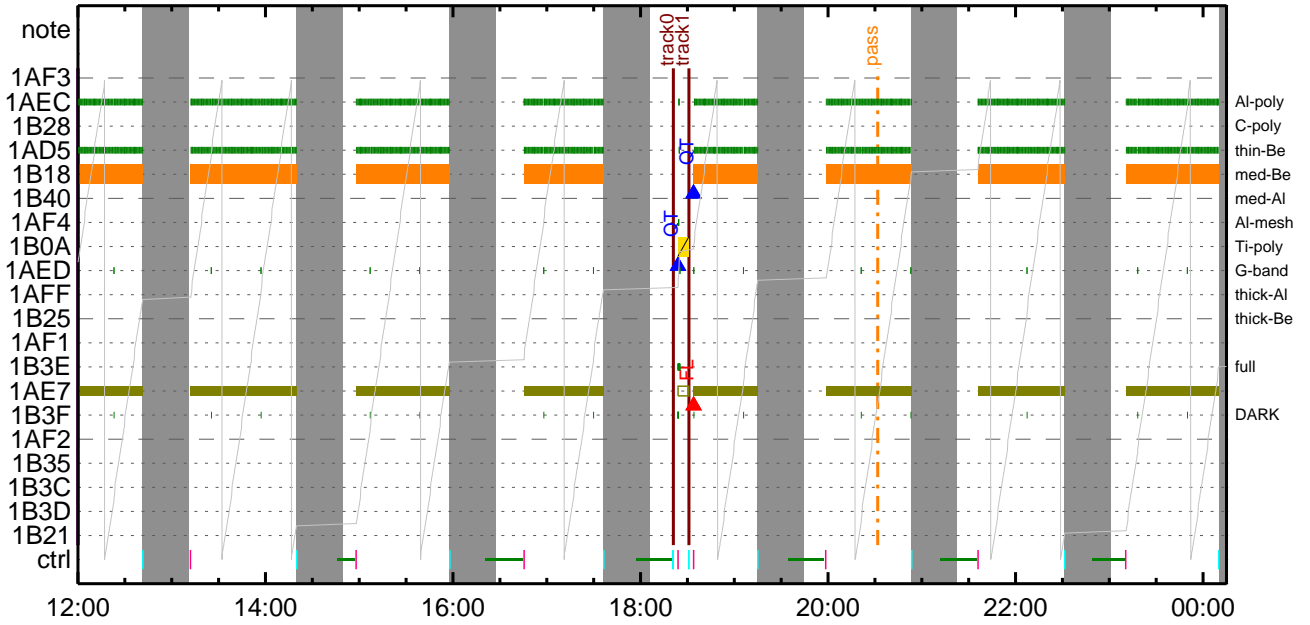
CMDI #0049 2016/07/12



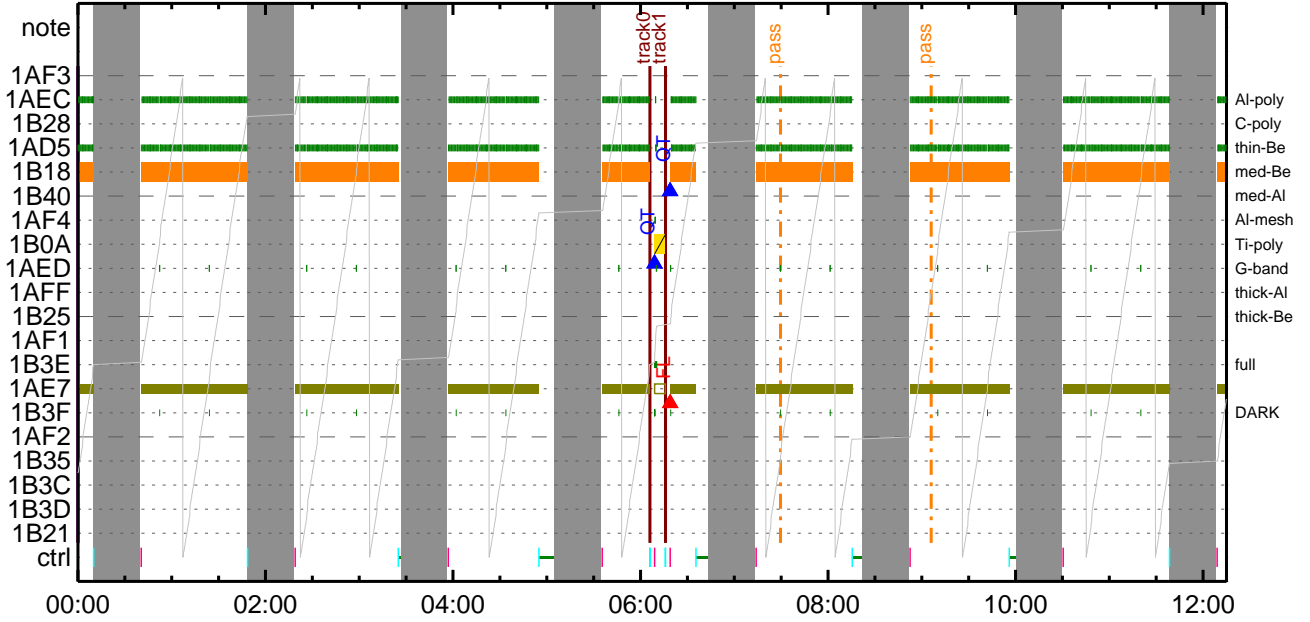
CMDI #0049 2016/07/13



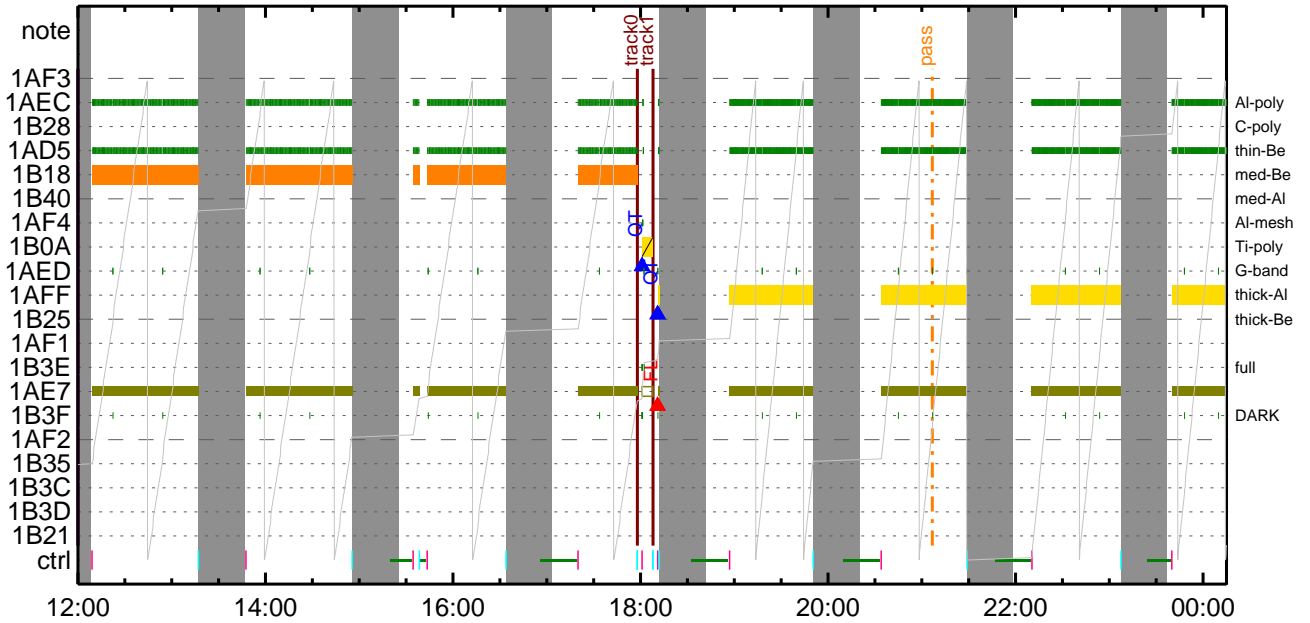
CMDI #0049 2016/07/13



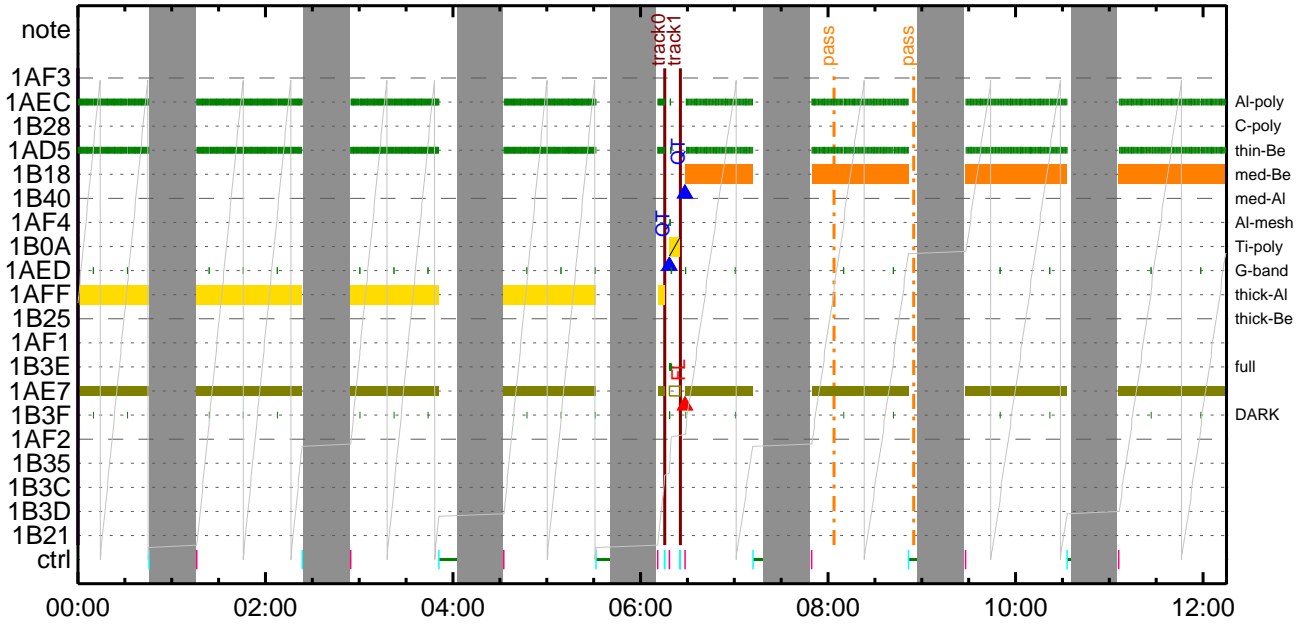
CMDI #0049 2016/07/14



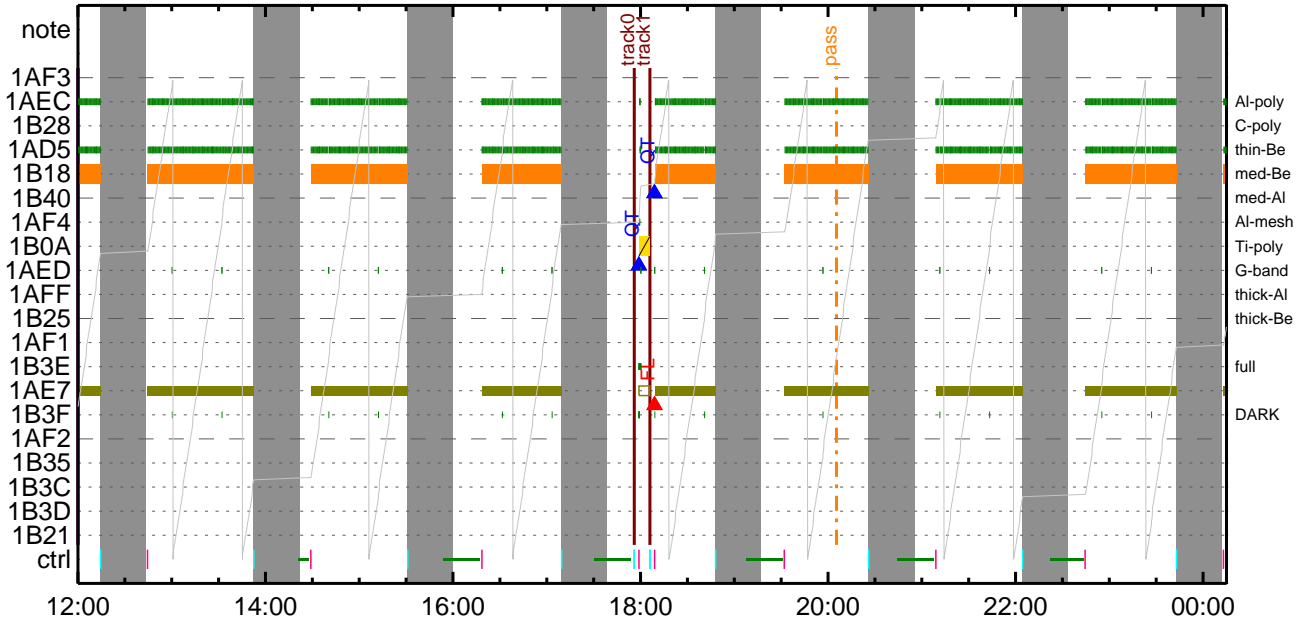
CMDI #0049 2016/07/14



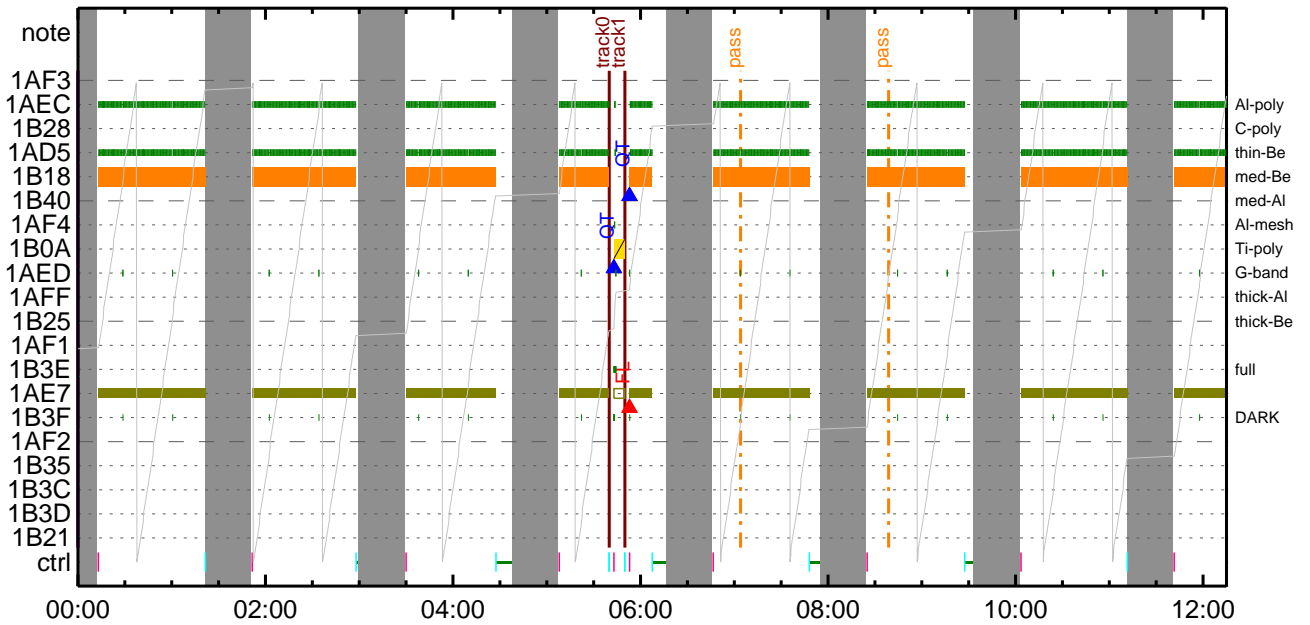
CMDI #0049 2016/07/15



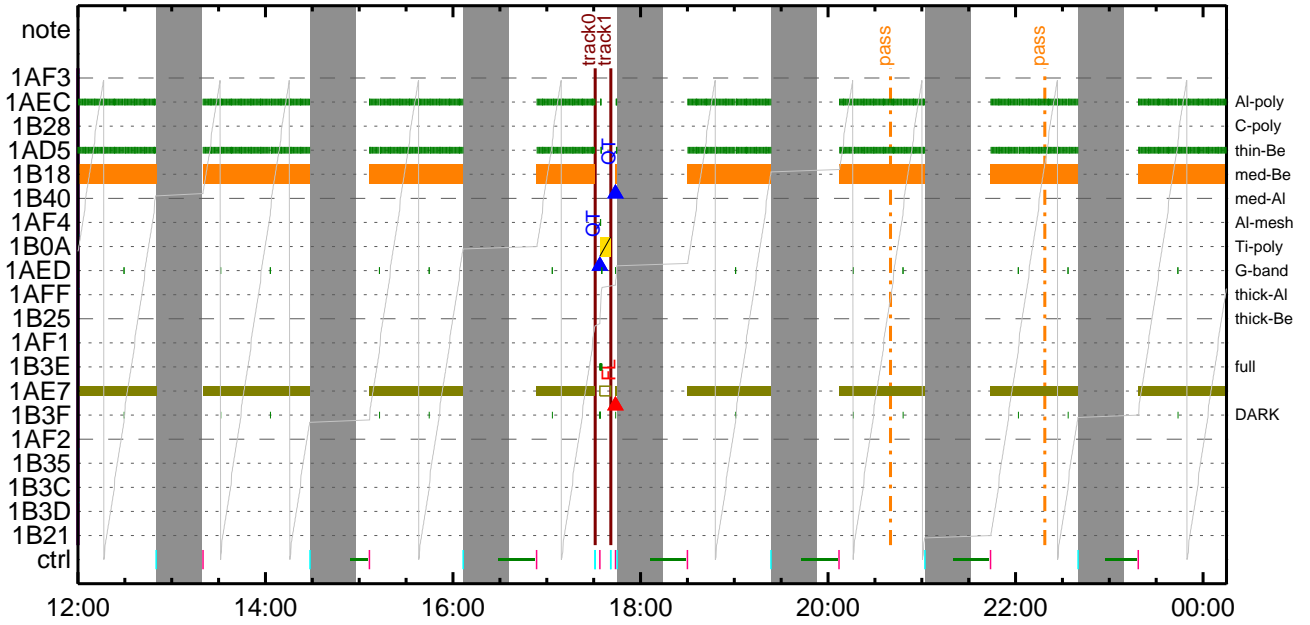
CMDI #0049 2016/07/15



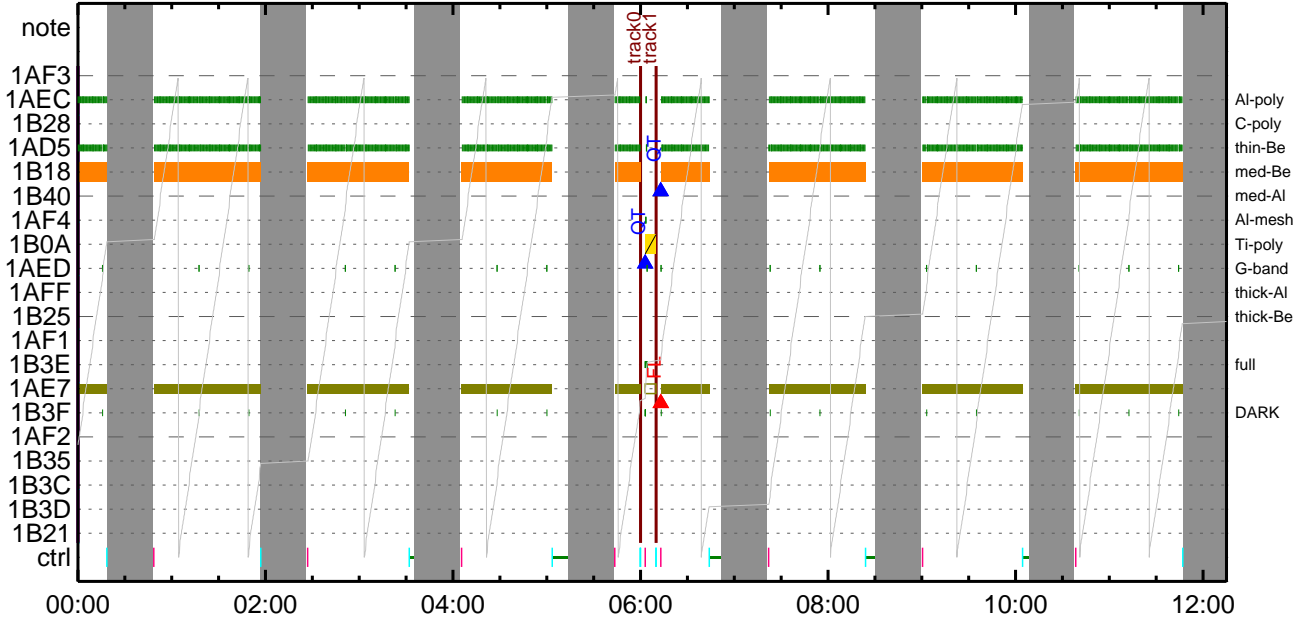
CMDI #0049 2016/07/16



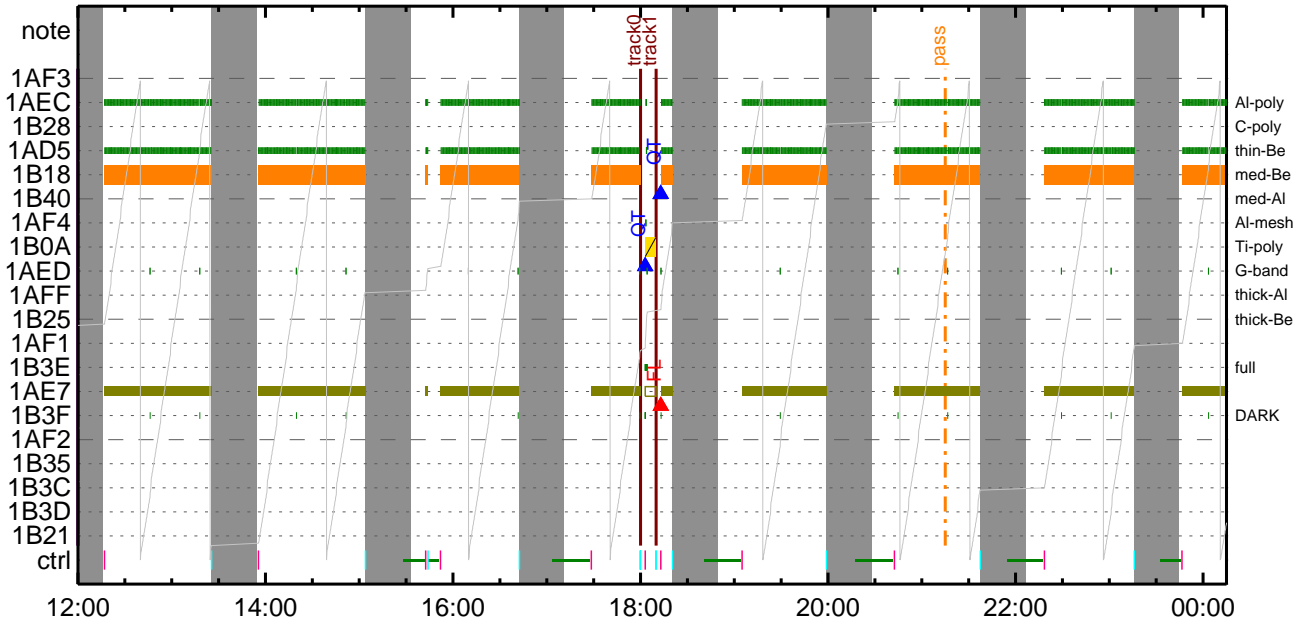
CMDI #0049 2016/07/16



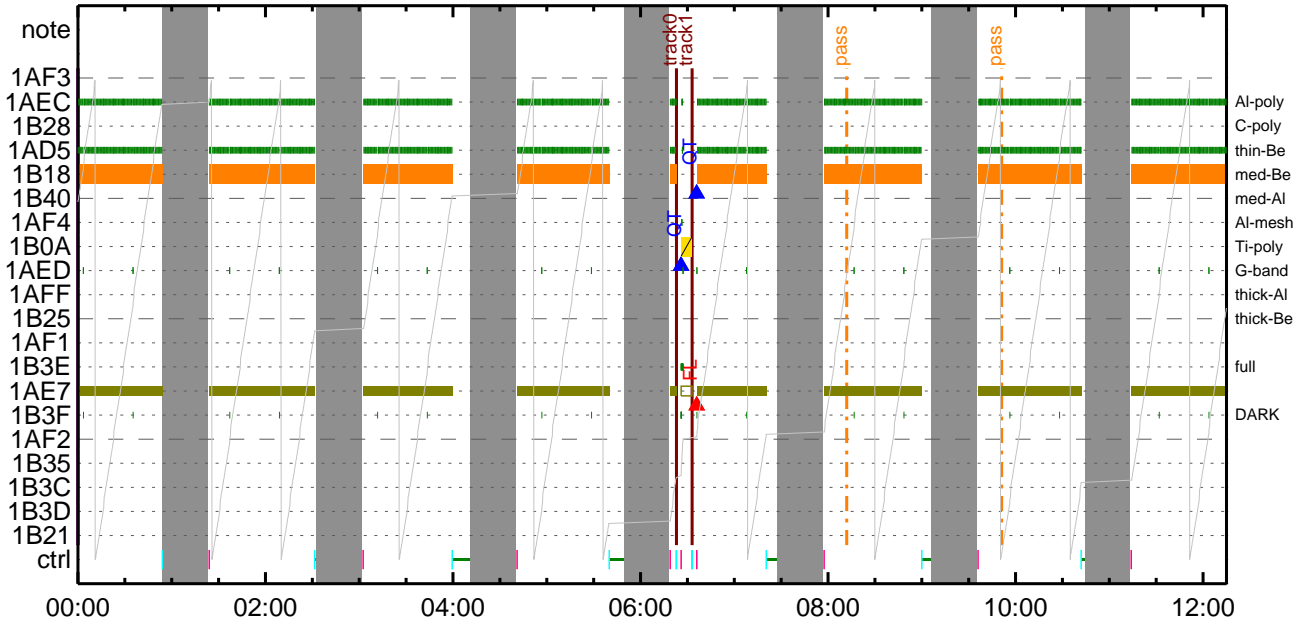
CMDI #0049 2016/07/17



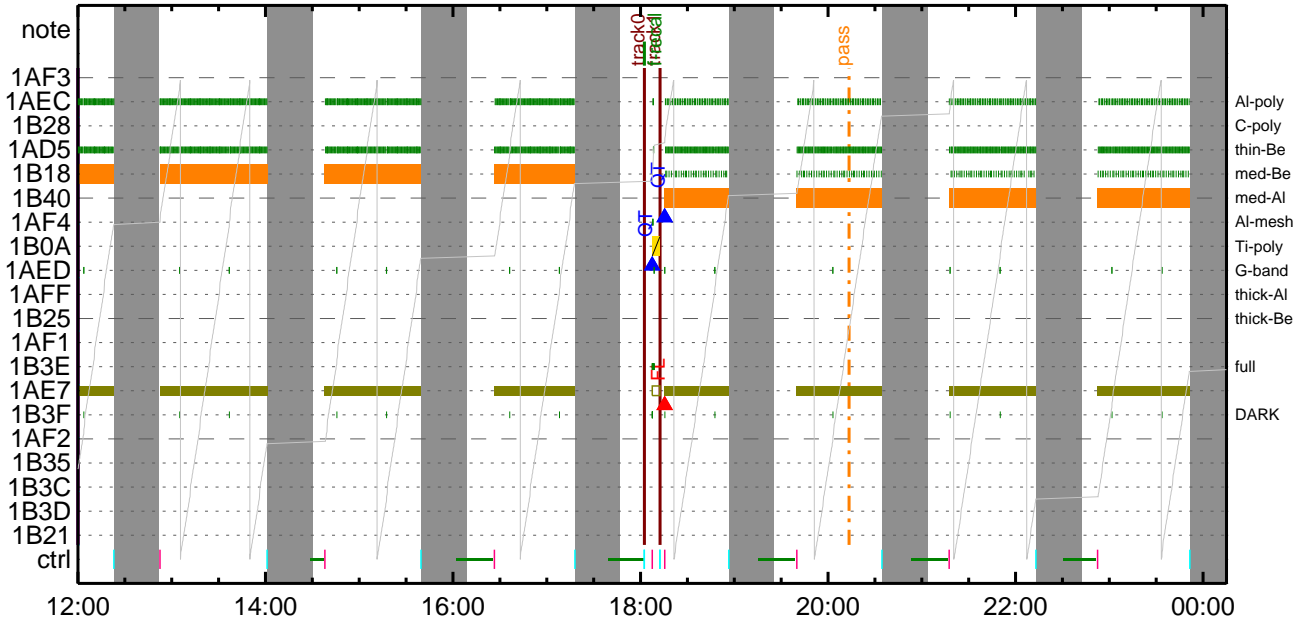
CMDI #0049 2016/07/17



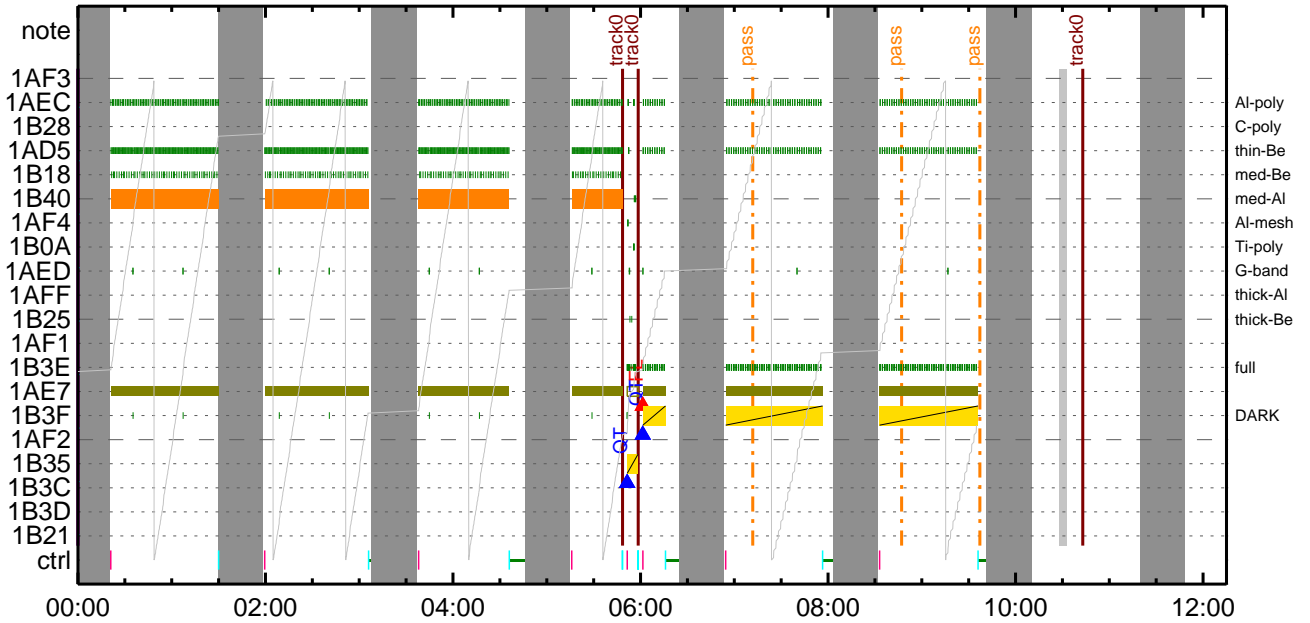
CMDI #0049 2016/07/18



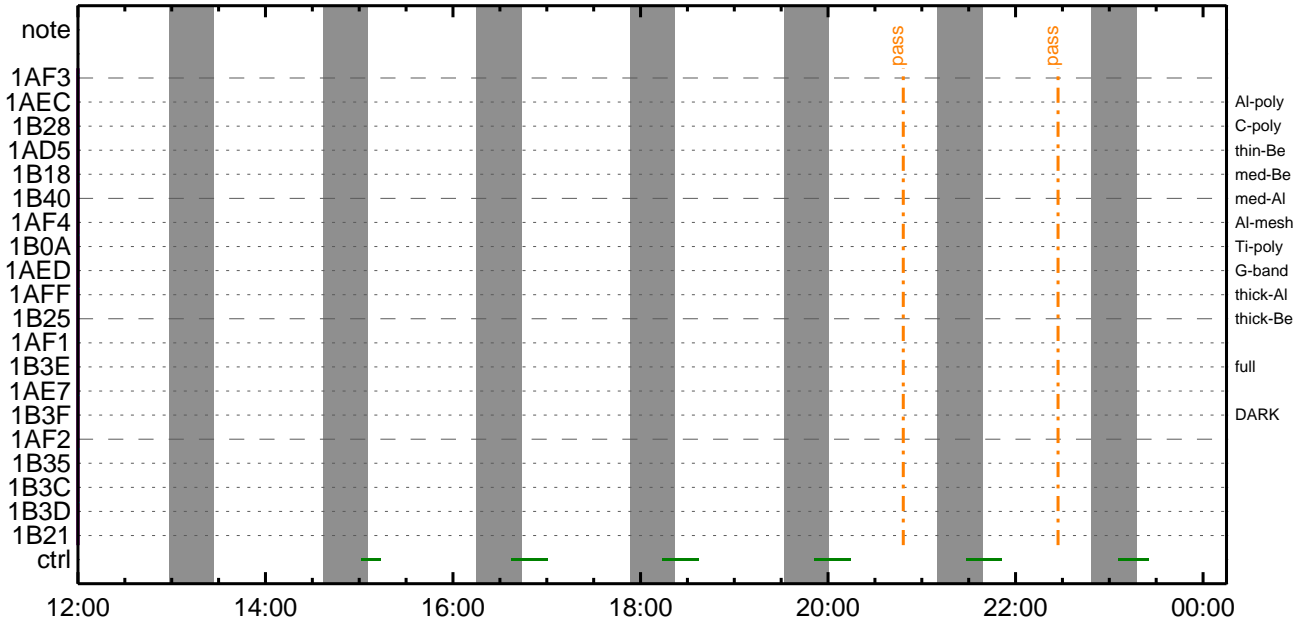
CMDI #0049 2016/07/18



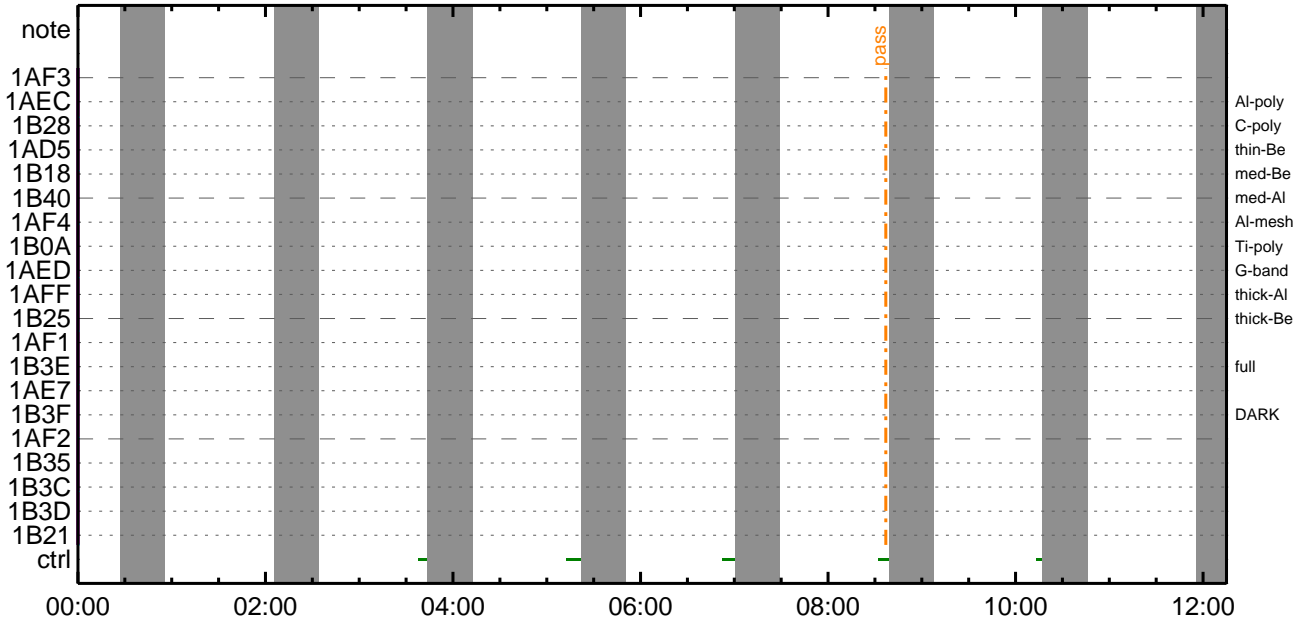
CMDI #0049 2016/07/19



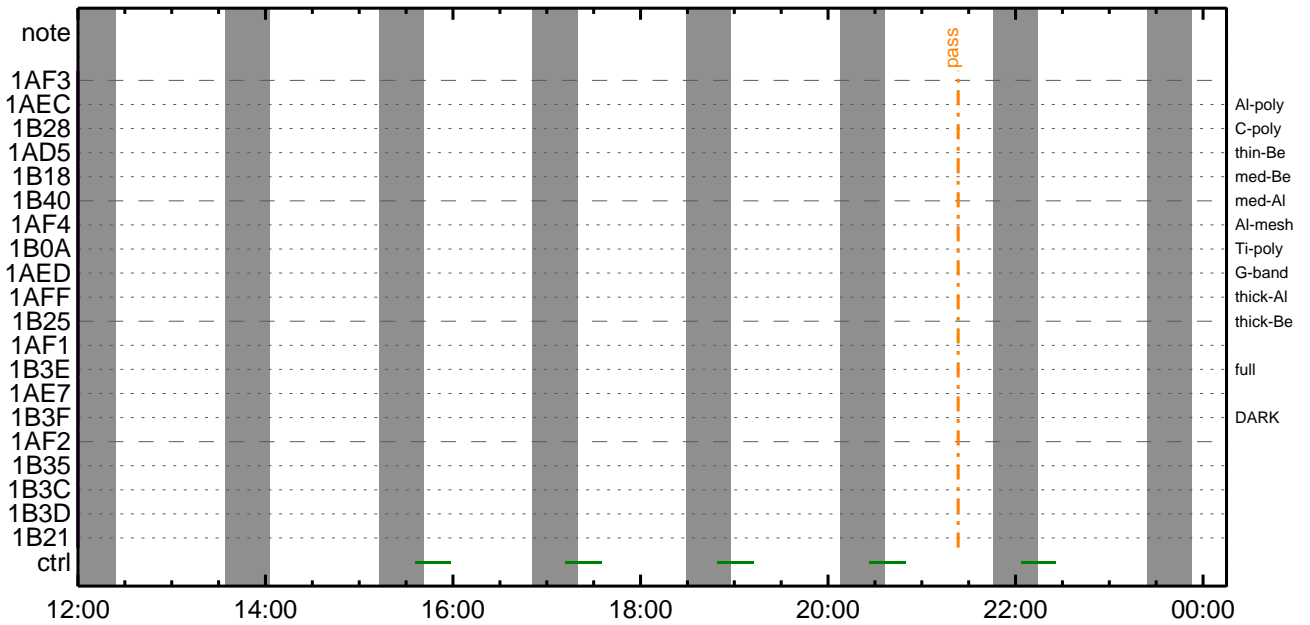
CMDI #0049 2016/07/19



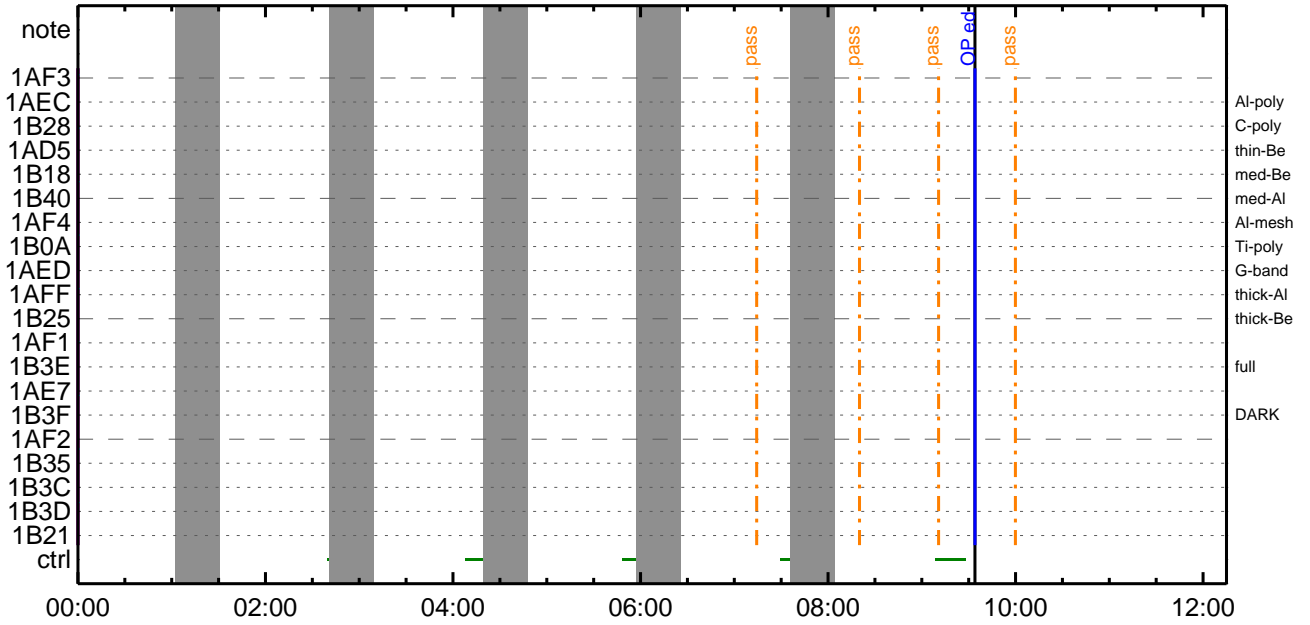
CMDI #0049 2016/07/20



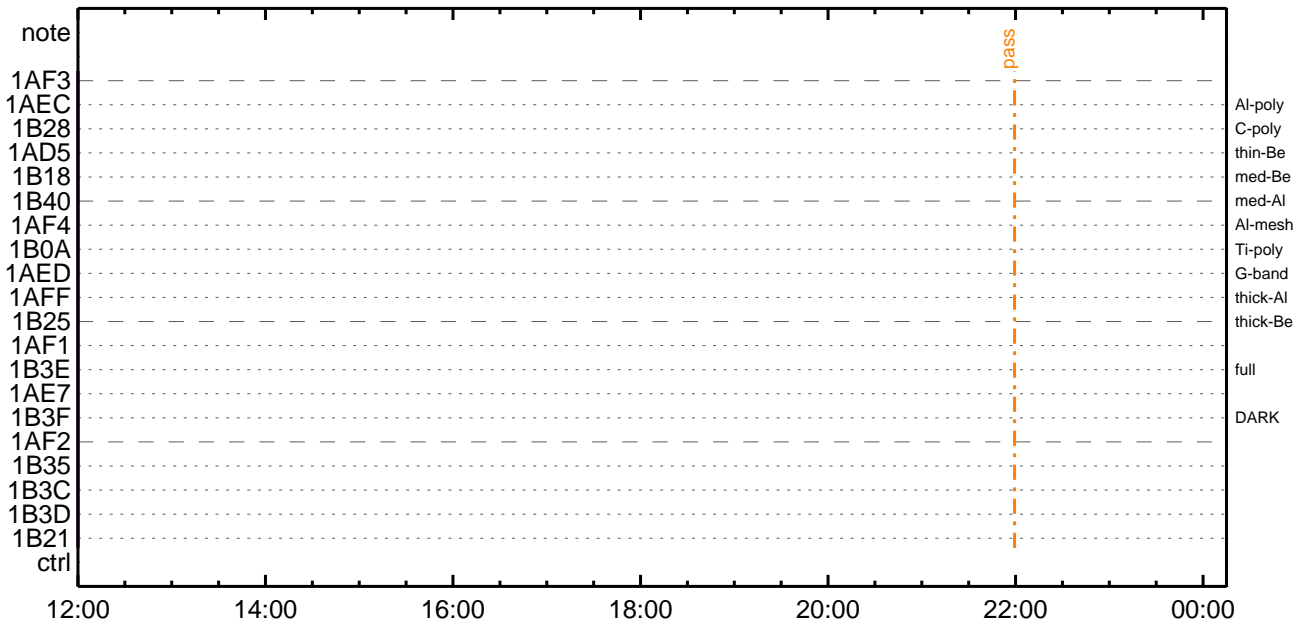
CMDI #0049 2016/07/20



CMDI #0049 2016/07/21



CMDI #0049 2016/07/21



(a) Spacecraft Operation Procedure (real-commands)

```
main-975 2016-07-12 12:12:51 278 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYSYÁY-¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YBÿYÉÁ+ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Ëççðã•µ°•Ê»Í×ÁÇçÍYçYÁY×YÍ;¼YÉ;ËËÈµ•ÍÍÊ;ËÈÈ¼°ÇÖã•çç¼Í¹ççÍ;çÁ®, ùã¹ãÈãçãÇÁ+ç®ã•ãÈããã³ãÈ;ç
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ+ççµ;ON
0016 C. *****
0017 C. ç” °ÆÀ, Í×ËYããLOSããççãã»p`Öãð¹ÍÍ, ç•; çÉÖÍ×ãËXÁÖONã¹¹ÖãÈãíãÈããã³ãÈ;ç
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. XYDÿYÖYÉYÍYÁY-¾ÖÁÖãã-°ÁÄêã•çççç; ç°Ê²¼çç¹°ÆÀ, ¼ê¾ççð¼Á¹Öã¹ççç;ç
0030 C.
0031 . C. *****
0032 C. DR PT1 Áí¼í°ÆÀ,
0033 C. *****
0034 C. ç” RESTART;ËPT1;Ëã•çççç¼Í¹ççÍ; ç°Ê²¼çç¹°ÆÀ¹Öã»ã°; çDCBC-150çççËÈãã;ç
0035 C.
0036 . C. ;ãPT1°ÆÀ, ³«»Û;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 (¼Á¹Ö, ;¼Ú)
0043 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0044 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0045 C.
0046 . C. ;ãYçYÖYÉYËÄÁÖ;ËÁ•Á°²ÖÈð;Ë, áãÍ°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 (¼Á¹Ö, ;¼Ú)
0050 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0051 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ÆÀ, çç¼«Æ°Áã»ççãçç; á; ç°Ê²¼ççð¼Á¹Öã¹ççç;ç
0055 C. YçYÖYÉYËÄÁÖããÁ•Á°²ÖÈðããçç¼Í¹ççÍ°ÆÀ¹Öã»ã°ççãççãÇÁÖãã;ç
0056 C.
0057 . C. *****
0058 C. DR PT2 Áí¼í°ÆÀ,
0059 C. *****
0060 C. ç” RESTART;ËPT2;Ëã•çççç¼Í¹ççÍ; ç°Ê²¼çç¹°ÆÀ¹Öã»ã°; çDCBC-151çççËÈãã;ç
0061 C.
0062 . C. ;ãPT2°ÆÀ, ³«»Û;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 (¼Á¹Ö, ;¼Ú)
0069 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0070 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0071 C.
0072 . C. ;ãYçYÖYÉYËÄÁÖ;ËÁ•Á°²ÖÈð;Ë, áãÍ°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 (¼Á¹Ö, ;¼Ú)
0076 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0077 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÆÀ, Áã»çç; çXÁ+ççµ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÆÀ, Áã»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+ççµ;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
```

0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;YÉ;YAYóYx
0100 C. *****
0101 C.
0102 . C. ;ãOP/OGY1;YÉ;ã
0103 . S. OP op-975:OP
0104 ()
0105 . S. OG og-975:OG
0106 ()
0107 C.
0108 . C. ;ãNMOG&OPîî°èYAYóYx;ã
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 . C. YAYóYxYáî»ò³îç§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 . C. RAM ID=NMOGâîî°è¹ç.ë²îOKò³îç§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. çç[HK1_PKT_FORM_NO] EQ 7
0139 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0143 . C. YAYóYxYáî»ò³îç§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 . C. RAM ID=NMOGâîî°è¹ç.ë²îOKò³îç§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. çç[HK1_PKT_FORM_NO] EQ 7
0158 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0162 . C. YAYóYxYáî»ò³îç§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 . C. RAM ID=NMOG, RAM ID=OPâîî°è¹ç.ë²îOKò³îç§
0165 C.
0166 . C. ***** òè²¼òîî°è¹ç.ë²îOKò³îç§ *****
0167 C. DHUYâ;YÉ;ÉY½;Yi;YÉ;Èòîî°è¹ç
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 . C. NOTICE ;§ OPOG UPLOADâ-Á÷ç@NGâîî°è¹ç;ç°è²¼òîî°è¹ç@îî°è¹ç.ë²îOKò³îç§;ç
0180 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0181 C.
0182 . C. TIY³YpYóYÉòðÁDîç (UT)
0183 +. TI 2016-07-12 11:13:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2016-07-12 11:13:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2016-07-12 11:13:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP


```

0096 C.
0097 C.
0098 C.
0099 C. ***** XRT START *****
0100 C.
0101 +. DC 07-F0 MDP_XRT_CTRL_MANU
0102 BC (c1)
0103 +. DC 07-F0 MDP_XRT_CTRL_MANU
0104 BC (c1)
0105 + DC 07-F0 MDP_XRT_MODE_STBY
0106 BC (c3)
0107 . C. ----- Success Verify ? OK / NG ____
0108 C.
0109 C. XRT Obs. Table Upload
0110 . S. RAM ram-291:MDP_OBS_X
0111 ( )
0112 C.
0113 +. DC 07-F0 MDP_DUMP_XRTTBL
0114 BC (84 07 00 00 00 3a d4)
0115 . C. ----- Comparison Check ? OK / ERR ____
0116 C.
0117 C.
0118 +. DC 07-F0 MDP_XRT_ROI_SET
0119 BC (cd 01 b1 b1 04 04)
0120 + DC 07-F0 MDP_XRT_ROI_SET
0121 BC (cd 02 b1 b1 08 08)
0122 + DC 07-F0 MDP_XRT_ROI_SET
0123 BC (cd 03 b1 b1 08 08)
0124 + DC 07-F0 MDP_XRT_ROI_SET
0125 BC (cd 04 b1 b1 06 06)
0126 + DC 07-F0 MDP_XRT_ROI_SET
0127 BC (cd 06 85 83 06 06)
0128 + DC 07-F0 MDP_XRT_ROI_SET
0129 BC (cd 07 80 60 20 18)
0130 + DC 07-F0 MDP_XRT_ROI_SET
0131 BC (cd 08 a0 80 18 20)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 09 80 80 20 20)
0134 + DC 07-F0 MDP_XRT_ROI_SET
0135 BC (cd 0a 80 80 20 08)
0136 + DC 07-F0 MDP_XRT_ROI_SET
0137 BC (cd 0b 80 80 08 20)
0138 + DC 07-F0 MDP_XRT_ROI_SET
0139 BC (cd 0f 80 80 06 06)
0140 + DC 07-F0 MDP_XRT_ROI_SET
0141 BC (cd 10 80 80 08 08)
0142 + DC 07-F0 MDP_XRT_FLD_ENA
0143 BC (d8)
0144 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0145 BC (c8)
0146 + DC 07-F0 MDP_XRT_ARS_DIS
0147 BC (d5)
0148 +. DC 07-F0 MDP_XRT_AEC_RESET
0149 BC (d0)
0150 +. DC 07-F0 MDP_XRT_FLD_RESET
0151 BC (da)
0152 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0153 BC (c4 0b)
0154 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0155 BC (c5 07)
0156 . C. ----- Success Verify ? OK / NG ____
0157 C.
0158 C.
0159 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0160 C.
0161 +. DC 07-F0 MDP_XRT_MODE_OBSV
0162 BC (c2)
0163 +. TI 2016-07-12 11:17:02.0
0164 DC 07-F0 MDP_XRT_MODE_OBSV
0165 BC (c2)
0166 . C. ----- Success Verify ? OK / NG ____
0167 C.
0168 C. ***** XRT END *****
0169 C.
0170 . C. ***** MDP 'uÃîï»ö¼ÝñÊÄð¹ñëDCBC•x²è *****
0171 C. (¼ã°îÿÖÿÄÿËÿÏÿÛÿçÿë¾¼¼¼»Û¹ñé)
0172 . S. DC-BC dcbc-402:DCBC
0173 (MDP_known_event)
0174 C.
0175 C.
0176 . C. ***** ¼Ðÿ¹•ï Daily±¿íññÉ'Ø¹ñëDCBC•x²è *****
0177 . S. DC-BC dcbc-153:DCBC
0178 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0179 C.
0180 C.
0181 . C. ;ãLOSÿÁÿSÿÄÿ¼¼»Û;ã
0182 C.
0183 . C. ***** LOS *****
0184 C.

```

(a) Spacecraft Operation Procedure (real-commands)

```
main-978 2016-07-12 12:12:51 29 33 SOLAR-B MAIN //  
0001 C.  
0002 . C. ***** AOS *****  
0003 C.  
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã  
0005 C.  
0006 C. YÀYB;¼Y³YFYOYÉÁ+¿®  
0007 +. DC 00-00 NULL_DUMMY_CMD  
0008 C.  
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****  
0010 C. ̂í;È¿ªÁª•µ°&»Í×ÁÇªÍYçYÁY×Yí;¼YÉ;ÈÈèµ•íÉ;ÈÈÈ¼°ÇÓª•ª¿¼i¹çªI;çÀ®, ùª¹ªèªªçÁ+¿®ª•ªÈªªª³ªÈ;f  
0011 +. DC 02-8E AOcu_ORB_UPD  
0012 C.  
0013 C.  
0014 C.  
0015 . C. ***** MDP `úÃîªî»ø¼YªÈªªª¹ªèDCBC•x²è *****  
0016 C. (¼ã°îYÓYÁYÈYªYÈYáYçYèªÈ¼ªª¼Á»Ûª¹ªè)  
0017 . S. DC-BC dcbc-402:DCBC  
0018 (MDP_known_event)  
0019 C.  
0020 C.  
0021 . C. ***** YDŸ¹•Ï Daily+¿îÑªÈ´Øª¹ªèDCBC•x²è *****  
0022 . S. DC-BC dcbc-153:DCBC  
0023 (SPECIAL-CMD_DAILY_OPERATIN_DCB)  
0024 C.  
0025 C.  
0026 . C. ;ãLOSÁY$YÁY-¼Á»Û;ã  
0027 C.  
0028 . C. ***** LOS *****  
0029 C.
```

Jul 12, 16 12:12

XRT_OGLIST_0049.chk

Page 1/19

*** OP Sequence for XRT ***

2016/07/12	11:27:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/12	11:27:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/12	11:27:58.0	XRT_FOCUS_POSITION_438_OG [0x1b6]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2016/07/12	11:28:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00 ad 59 00 00				
2016/07/12	11:28:18.0	XRT_FLD_DIS_440_OG [0x1b8]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2016/07/12	11:42:54.0	XRT_FLRCTRL_DIS_441_OG [0x1b9]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2016/07/12	11:42:56.0	XRT_ARS_DIS_435_OG [0x1b3]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/07/12	11:42:58.0	XRT_QT_PROG_SET_444_OG [0x1bc]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 13				
2016/07/12	11:43:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/12	14:19:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/12	14:19:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/12	14:19:58.0	XRT_FOCUS_POSITION_438_OG [0x1b6]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2016/07/12	14:20:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 56 35				
2016/07/12	14:20:18.0	XRT_FLD_DIS_440_OG [0x1b8]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2016/07/12	14:34:54.0	XRT_FLRCTRL_DIS_441_OG [0x1b9]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2016/07/12	14:34:56.0	XRT_ARS_DIS_435_OG [0x1b3]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/07/12	14:34:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2016/07/12	14:35:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/12	16:19:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/12	16:19:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/12	16:19:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2016/07/12	16:20:00.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2016/07/12	16:20:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2016/07/12	16:20:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2016/07/12	16:20:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2016/07/12	16:20:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/07/12	16:20:26.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/12	16:22:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b				
2016/07/12	16:22:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2016/07/12	16:23:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/12	17:01:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/12	17:01:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/12	17:01:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/12	17:04:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/12	17:46:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/12	17:47:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/12	18:01:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/12	18:01:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/12	18:01:58.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2016/07/12	18:02:00.0	AOCS_Ore-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2016/07/12	18:02:18.0	XRT_FLD_DIS_406_OG [0x196]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2016/07/12	18:04:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2016/07/12	18:04:56.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/07/12	18:04:58.0	XRT_QT_PROG_SET_439_OG [0x1b7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d				
2016/07/12	18:05:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/12	18:31:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				

Jul 12, 16 12:12

XRT_OGLIST_0049.chk

Page 2/19

2016/07/12	18:31:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/12	18:31:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2016/07/12	18:32:00.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01 00 00 00 00
2016/07/12	18:32:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2016/07/12	18:32:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2016/07/12	18:32:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2016/07/12	18:32:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2016/07/12	18:32:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/12	18:34:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10
2016/07/12	18:34:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07
2016/07/12	18:35:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/12	18:39:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/12	18:39:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/12	18:39:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/12	18:42:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/12	19:22:30.0	XRT_Custom_430_OG [0x1ae]				
2016/07/12	19:23:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/12	20:18:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/12	20:18:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/12	20:18:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/12	20:21:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/12	21:00:00.0	XRT_Custom_430_OG [0x1ae]				
2016/07/12	21:01:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/12	21:56:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/12	21:56:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/12	21:56:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/12	21:59:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/12	22:35:30.0	XRT_Custom_430_OG [0x1ae]				
2016/07/12	22:36:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/12	23:34:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/12	23:34:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/12	23:34:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/12	23:37:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/13	00:04:00.0	XRT_Custom_430_OG [0x1ae]				
2016/07/13	00:05:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/13	01:13:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/13	01:13:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/13	01:13:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/13	01:16:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/13	01:42:30.0	XRT_Custom_430_OG [0x1ae]				
2016/07/13	01:43:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/13	02:50:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/13	02:50:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/13	02:50:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/13	02:53:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/13	03:20:30.0	XRT_Custom_430_OG [0x1ae]				
2016/07/13	03:21:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/13	04:19:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/13	04:19:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/13	04:19:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]				

2016/07/13	04:22:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e8	
2016/07/13	04:59:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/07/13	05:00:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/07/13	05:31:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/13	05:31:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/13	05:31:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2016/07/13	05:32:00.5	AOCS_Ore-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 00 00 00 00	
2016/07/13	05:32:18.0	XRT_FLD_DIS_406_OG [0x196]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2016/07/13	05:34:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2016/07/13	05:34:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2016/07/13	05:34:58.0	XRT_QT_PROG_SET_439_OG [0x1b7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d	
2016/07/13	05:35:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/07/13	05:41:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/13	05:41:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/13	05:41:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2016/07/13	05:42:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01 00 00 00 00	
2016/07/13	05:42:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2016/07/13	05:42:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2016/07/13	05:42:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2016/07/13	05:42:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2016/07/13	05:42:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/07/13	05:44:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10	
2016/07/13	05:44:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07	
2016/07/13	05:45:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/07/13	05:59:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/13	05:59:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/07/13	05:59:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/07/13	06:02:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/07/13	06:37:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/07/13	06:38:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/07/13	07:39:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/13	07:39:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/07/13	07:39:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/07/13	07:42:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/07/13	08:16:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/07/13	08:17:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/07/13	09:19:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/13	09:19:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/07/13	09:19:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/07/13	09:22:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/07/13	09:54:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/07/13	09:55:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/07/13	11:03:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/13	11:03:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/07/13	11:03:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/07/13	11:06:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/07/13	11:32:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/07/13	11:33:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/07/13	12:41:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	

Jul 12, 16 12:12

XRT_OGLIST_0049.chk

Page 4/19

2016/07/13	12:41:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/13	12:41:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/13	12:44:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/13	13:11:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/13	13:12:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/13	14:20:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/13	14:20:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/13	14:20:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/13	14:23:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/13	14:57:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/13	14:58:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/13	15:58:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/13	15:58:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/13	15:58:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/13	16:01:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/13	16:44:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/13	16:45:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/13	17:36:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/13	17:36:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/13	17:36:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/13	17:39:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/13	18:20:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/13	18:20:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/13	18:20:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/13	18:21:00.0	AOCs_OrE-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2016/07/13	18:21:18.0	XRT_FLD_DIS_406_OG [0x196]	AOCU_NM	5	02-76	00 00 00 00 00
2016/07/13	18:23:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9
2016/07/13	18:23:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2016/07/13	18:23:58.0	XRT_QT_PROG_SET_439_OG [0x1b7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2016/07/13	18:24:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d
2016/07/13	18:30:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/13	18:30:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/13	18:30:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/13	18:31:00.0	AOCs_OrE-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2016/07/13	18:31:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	01 00 00 00 00
2016/07/13	18:31:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2016/07/13	18:31:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2016/07/13	18:31:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2016/07/13	18:31:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_ARS_DIS	1	07-F0	d5
2016/07/13	18:33:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/13	18:33:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10
2016/07/13	18:34:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07
2016/07/13	19:15:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/13	19:15:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/13	19:15:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/13	19:18:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/13	19:57:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/13	19:58:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0

Jul 12, 16 12:12

XRT_OGLIST_0049.chk

Page 5/19

2016/07/13	20:53:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/13	20:53:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/13	20:53:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/13	20:56:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/13	21:35:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/13	21:36:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/13	22:31:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/13	22:31:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/13	22:31:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/13	22:34:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/13	23:09:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/13	23:10:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/14	00:10:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/14	00:10:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/14	00:10:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/14	00:13:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/14	00:39:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/14	00:40:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/14	01:48:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/14	01:48:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/14	01:48:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/14	01:51:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/14	02:18:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/14	02:19:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/14	03:25:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/14	03:25:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/14	03:25:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/14	03:28:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/14	03:56:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/14	03:57:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/14	04:55:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/14	04:55:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/14	04:55:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/14	04:58:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/14	05:34:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/14	05:35:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/14	06:05:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/14	06:05:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/14	06:05:58.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2016/07/14	06:06:00.0	AOCS_Ore-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2016/07/14	06:06:18.0	XRT_FLD_DIS_406_OG [0x196]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2016/07/14	06:08:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2016/07/14	06:08:56.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/07/14	06:08:58.0	XRT_QT_PROG_SET_439_OG [0x1b7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d				
2016/07/14	06:09:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/14	06:15:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/14	06:15:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/14	06:15:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2016/07/14	06:16:00.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2016/07/14	06:16:18.0	XRT_FLD_ENA_411_OG [0x19b]							

Tuesday July 12, 2016

5/19

Jul 12, 16 12:12

XRT_OGLIST_0049.chk

Page 6/19

2016/07/14	06:16:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2016/07/14	06:16:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2016/07/14	06:16:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2016/07/14	06:16:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/14	06:18:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10
2016/07/14	06:18:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07
2016/07/14	06:19:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/14	06:35:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/14	06:35:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/14	06:35:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/14	06:38:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/14	07:13:00.0	XRT_Custom_430_OG [0x1ae]				
2016/07/14	07:14:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/14	08:15:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/14	08:15:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/14	08:15:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/14	08:18:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/14	08:51:30.0	XRT_Custom_430_OG [0x1ae]				
2016/07/14	08:52:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/14	09:56:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/14	09:56:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/14	09:56:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/14	09:59:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/14	10:29:30.0	XRT_Custom_430_OG [0x1ae]				
2016/07/14	10:30:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/14	11:38:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/14	11:38:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/14	11:38:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/14	11:41:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/14	12:08:00.0	XRT_Custom_430_OG [0x1ae]				
2016/07/14	12:09:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/14	13:17:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/14	13:17:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/14	13:17:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/14	13:20:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/14	13:46:30.0	XRT_Custom_430_OG [0x1ae]				
2016/07/14	13:47:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/14	14:55:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/14	14:55:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/14	14:55:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/14	14:58:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/14	15:33:30.0	XRT_Custom_430_OG [0x1ae]				
2016/07/14	15:34:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/14	15:38:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/14	15:38:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/14	15:38:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/14	15:41:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/14	15:42:30.0	XRT_Custom_430_OG [0x1ae]				
2016/07/14	15:43:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/14	16:34:00.0	XRT_CTRL_MANU_400_OG [0x190]				

2016/07/14	16:34:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/14	16:34:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/07/14	16:37:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/07/14	17:19:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/07/14	17:20:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/07/14	17:57:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/14	17:57:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/14	17:57:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/14	17:58:00.0	AOCS_OrE-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2016/07/14	17:58:18.0	XRT_FLD_DIS_406_OG [0x196]	AOCU_NM	5	02-76	00 00 00 00 00	
2016/07/14	18:00:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2016/07/14	18:00:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2016/07/14	18:00:58.0	XRT_QT_PROG_SET_439_OG [0x1b7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2016/07/14	18:01:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d	
2016/07/14	18:07:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/07/14	18:07:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/14	18:07:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/14	18:08:00.0	AOCS_OrE-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2016/07/14	18:08:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	01 00 00 00 00	
2016/07/14	18:08:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2016/07/14	18:08:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2016/07/14	18:08:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2016/07/14	18:08:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2016/07/14	18:10:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/07/14	18:10:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b	
2016/07/14	18:11:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07	
2016/07/14	18:12:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/07/14	18:12:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/14	18:12:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/07/14	18:15:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/07/14	18:56:00.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/07/14	18:57:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CUSTOM_430_OG	1	07-F0	c0	
2016/07/14	19:50:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/07/14	19:50:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/14	19:50:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/07/14	19:53:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/07/14	20:33:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/07/14	20:34:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CUSTOM_430_OG	1	07-F0	c0	
2016/07/14	21:29:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/07/14	21:29:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/14	21:29:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/07/14	21:32:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/07/14	22:09:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/07/14	22:10:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CUSTOM_430_OG	1	07-F0	c0	
2016/07/14	23:07:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/07/14	23:07:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/07/14	23:07:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/07/14	23:10:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/07/14			MDP_XRT_PREFLR_STOP	1	07-F0	e9	

Jul 12, 16 12:12

XRT_OGLIST_0049.chk

Page 8/19

2016/07/14	23:39:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/14	23:40:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/15	00:45:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/15	00:45:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/15	00:45:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/15	00:48:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/15	01:15:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/15	01:16:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/15	02:23:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/15	02:23:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/15	02:23:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/15	02:26:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/15	02:53:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/15	02:54:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/15	03:51:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/15	03:51:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/15	03:51:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/15	03:54:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/15	04:31:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/15	04:32:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/15	05:31:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/15	05:31:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/15	05:31:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/15	05:34:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/15	06:10:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/15	06:11:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/15	06:15:24.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/15	06:15:26.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/15	06:15:28.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2016/07/15	06:15:30.0	AOCS_Ore-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2016/07/15	06:15:48.0	XRT_FLD_DIS_406_OG [0x196]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2016/07/15	06:18:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2016/07/15	06:18:26.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/07/15	06:18:28.0	XRT_QT_PROG_SET_439_OG [0x1b7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d				
2016/07/15	06:18:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/15	06:25:24.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/15	06:25:26.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/15	06:25:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2016/07/15	06:25:30.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2016/07/15	06:25:48.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2016/07/15	06:25:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2016/07/15	06:25:52.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2016/07/15	06:25:54.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/07/15	06:25:56.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/15	06:28:26.0	XRT_QT_PROG_SET_447_OG [0x1bf]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 10				
2016/07/15	06:28:28.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2016/07/15	06:28:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/15	07:12:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/15	07:12:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				

2016/07/15	07:12:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/15	07:15:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/15	07:48:30.0	XRT_Custom_430_OG [0x1ae]			
2016/07/15	07:49:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/15	08:51:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/15	08:51:32.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/15	08:51:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/15	08:54:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/15	09:27:00.0	XRT_Custom_430_OG [0x1ae]			
2016/07/15	09:28:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/15	10:33:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/15	10:33:02.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/15	10:33:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/15	10:36:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/15	11:05:00.0	XRT_Custom_430_OG [0x1ae]			
2016/07/15	11:06:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/15	12:14:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/15	12:14:32.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/15	12:14:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/15	12:17:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/15	12:43:30.0	XRT_Custom_430_OG [0x1ae]			
2016/07/15	12:44:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/15	13:52:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/15	13:52:32.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/15	13:52:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/15	13:55:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/15	14:28:00.0	XRT_Custom_430_OG [0x1ae]			
2016/07/15	14:29:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/15	15:31:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/15	15:31:02.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/15	15:31:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/15	15:34:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/15	16:17:30.0	XRT_Custom_430_OG [0x1ae]			
2016/07/15	16:18:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/15	17:09:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/15	17:09:32.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/15	17:09:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/15	17:12:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/15	17:55:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/15	17:55:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/15	17:55:58.0	XRT_FOCUS_POSITION_403_OG [0x193]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2016/07/15	17:56:00.0	AOCS_OrE-point_Start_4_OG [0x09a]			
		AOCU_NM	5	02-76	00 00 00 00 00
2016/07/15	17:56:18.0	XRT_FLD_DIS_406_OG [0x196]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2016/07/15	17:58:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2016/07/15	17:58:56.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2016/07/15	17:58:58.0	XRT_QT_PROG_SET_439_OG [0x1b7]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d
2016/07/15	17:59:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/15	18:05:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/15	18:05:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/15	18:05:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]			

Jul 12, 16 12:12

XRT_OGLIST_0049.chk

Page 10/19

2016/07/15	18:06:00.0	AOCS_OrE-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
		AOCU_NM		5	02-76	01	00	00	00
2016/07/15	18:06:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2016/07/15	18:06:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2016/07/15	18:06:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2016/07/15	18:06:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2016/07/15	18:06:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da			
2016/07/15	18:08:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	10		
2016/07/15	18:08:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07		
2016/07/15	18:09:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2016/07/15	18:48:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/07/15	18:48:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2016/07/15	18:48:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2016/07/15	18:51:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2016/07/15	19:31:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/15	19:32:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2016/07/15	20:26:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/07/15	20:26:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2016/07/15	20:26:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2016/07/15	20:29:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2016/07/15	21:08:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/15	21:09:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2016/07/15	22:04:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/07/15	22:04:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2016/07/15	22:04:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2016/07/15	22:07:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2016/07/15	22:43:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/15	22:44:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2016/07/15	23:43:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/07/15	23:43:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2016/07/15	23:43:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2016/07/15	23:46:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2016/07/16	00:12:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/16	00:13:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2016/07/16	01:21:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/07/16	01:21:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2016/07/16	01:21:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2016/07/16	01:24:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2016/07/16	01:50:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/16	01:51:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2016/07/16	02:58:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/07/16	02:58:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2016/07/16	02:58:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2016/07/16	03:01:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2016/07/16	03:29:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/16	03:30:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2016/07/16	04:27:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2016/07/16	04:27:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2016/07/16	04:27:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2016/07/16	04:30:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			

2016/07/16	05:07:00.0	XRT_Custom_430_OG [0x1ae]			
2016/07/16	05:08:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/16	05:39:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/16	05:39:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/16	05:39:58.0	XRT_FOCUS_POSITION_403_OG [0x193]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2016/07/16	05:40:00.0	AOCS_Ore-point_Start_4_OG [0x09a]			
		AOCU_NM	5	02-76	00 00 00 00 00
2016/07/16	05:40:18.0	XRT_FLD_DIS_406_OG [0x196]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2016/07/16	05:42:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2016/07/16	05:42:56.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2016/07/16	05:42:58.0	XRT_QT_PROG_SET_439_OG [0x1b7]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d
2016/07/16	05:43:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/16	05:49:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/16	05:49:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/16	05:49:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2016/07/16	05:50:00.0	AOCS_Ore-point_Start_3_OG [0x099]			
		AOCU_NM	5	02-76	01 00 00 00 00
2016/07/16	05:50:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2016/07/16	05:50:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2016/07/16	05:50:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2016/07/16	05:50:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2016/07/16	05:50:26.0	XRT_FLD_RESET_433_OG [0x1b1]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/16	05:52:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 10
2016/07/16	05:52:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07
2016/07/16	05:53:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/16	06:07:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/16	06:07:32.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/16	06:07:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/16	06:10:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/16	06:45:30.0	XRT_Custom_430_OG [0x1ae]			
2016/07/16	06:46:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/16	07:48:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/16	07:48:02.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/16	07:48:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/16	07:51:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/16	08:24:00.0	XRT_Custom_430_OG [0x1ae]			
2016/07/16	08:25:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/16	09:27:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/16	09:27:32.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/16	09:27:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/16	09:30:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/16	10:02:30.0	XRT_Custom_430_OG [0x1ae]			
2016/07/16	10:03:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/16	11:11:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/16	11:11:32.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/16	11:11:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/16	11:14:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/16	11:40:30.0	XRT_Custom_430_OG [0x1ae]			
2016/07/16	11:41:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/16	12:50:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/16	12:50:02.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da

Jul 12, 16 12:12

XRT_OGLIST_0049.chk

Page 12/19

2016/07/16	12:50:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/16	12:53:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/16	13:19:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/16	13:20:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/16	14:28:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/16	14:28:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/16	14:28:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/16	14:31:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/16	15:05:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/16	15:06:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/16	16:06:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/16	16:06:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/16	16:06:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/16	16:09:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/16	16:52:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/16	16:53:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/16	17:30:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/16	17:30:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/16	17:30:58.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2016/07/16	17:31:00.0	AOCS_Ore-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2016/07/16	17:31:18.0	XRT_FLD_DIS_406_OG [0x196]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2016/07/16	17:33:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2016/07/16	17:33:56.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/07/16	17:33:58.0	XRT_QT_PROG_SET_439_OG [0x1b7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d				
2016/07/16	17:34:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/16	17:40:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/16	17:40:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/16	17:40:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2016/07/16	17:41:00.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2016/07/16	17:41:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2016/07/16	17:41:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2016/07/16	17:41:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2016/07/16	17:41:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/07/16	17:41:26.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/16	17:43:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 10				
2016/07/16	17:43:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2016/07/16	17:44:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/16	17:45:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/16	17:45:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/16	17:45:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/16	17:48:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/16	18:29:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/16	18:30:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/16	19:23:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/16	19:23:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/16	19:23:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/16	19:26:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/16	20:06:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/16	20:07:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				

Jul 12, 16 12:12

XRT_OGLIST_0049.chk

Page 13/19

2016/07/16	21:02:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/16	21:02:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/16	21:02:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/16	21:05:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/16	21:43:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/16	21:44:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/16	22:40:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/16	22:40:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/16	22:40:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/16	22:43:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/16	23:17:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/16	23:18:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/17	00:18:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/17	00:18:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/17	00:18:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/17	00:21:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/17	00:47:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/17	00:48:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/17	01:57:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/17	01:57:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/17	01:57:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/17	02:00:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/17	02:26:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/17	02:27:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/17	03:32:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/17	03:32:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/17	03:32:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/17	03:35:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/17	04:04:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/17	04:05:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/17	05:03:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/17	05:03:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/17	05:03:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/17	05:06:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/17	05:42:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/17	05:43:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/17	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/17	05:59:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/17	05:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2016/07/17	06:00:00.0	AOCS_Or-e-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2016/07/17	06:00:18.0	XRT_FLD_DIS_406_OG [0x196]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2016/07/17	06:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2016/07/17	06:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/07/17	06:02:58.0	XRT_QT_PROG_SET_439_OG [0x1b7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d				
2016/07/17	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/17	06:09:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/17	06:09:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/17	06:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2016/07/17	06:10:00.0	AOCS_Or-e-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2016/07/17	06:10:18.0	XRT_FLD_ENA_411_OG [0x19b]							

Tuesday July 12, 2016

13/19

Jul 12, 16 12:12

XRT_OGLIST_0049.chk

Page 14/19

2016/07/17	06:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2016/07/17	06:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2016/07/17	06:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2016/07/17	06:10:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/17	06:12:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10
2016/07/17	06:12:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07
2016/07/17	06:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/17	06:44:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/17	06:44:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/17	06:44:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/17	06:47:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/17	07:21:00.0	XRT_Custom_430_OG [0x1ae]				
2016/07/17	07:22:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/17	08:24:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/17	08:24:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/17	08:24:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/17	08:27:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/17	08:59:30.0	XRT_Custom_430_OG [0x1ae]				
2016/07/17	09:00:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/17	10:04:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/17	10:04:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/17	10:04:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/17	10:07:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/17	10:37:30.0	XRT_Custom_430_OG [0x1ae]				
2016/07/17	10:38:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/17	11:47:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/17	11:47:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/17	11:47:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/17	11:50:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/17	12:16:00.0	XRT_Custom_430_OG [0x1ae]				
2016/07/17	12:17:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/17	13:25:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/17	13:25:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/17	13:25:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/17	13:28:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/17	13:54:30.0	XRT_Custom_430_OG [0x1ae]				
2016/07/17	13:55:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/17	15:04:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/17	15:04:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/17	15:04:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/17	15:07:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/17	15:41:30.0	XRT_Custom_430_OG [0x1ae]				
2016/07/17	15:42:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/17	15:44:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/17	15:44:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/17	15:44:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/17	15:47:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/17	15:51:00.0	XRT_Custom_430_OG [0x1ae]				
2016/07/17	15:52:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/17	16:42:30.0	XRT_CTRL_MANU_400_OG [0x190]				

Jul 12, 16 12:12

XRT_OGLIST_0049.chk

Page 15/19

2016/07/17	16:42:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/07/17	16:42:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da		
2016/07/17	16:45:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2016/07/17	17:27:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2016/07/17	17:28:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]					
2016/07/17	17:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2016/07/17	17:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/07/17	17:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/07/17	18:00:00.0	AOCS_OrE-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2016/07/17	18:00:18.0	XRT_FLD_DIS_406_OG [0x196]	AOCS_OrE-point_Start_4_OG [0x09a]					
2016/07/17	18:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	AOCU_NM	5	02-76	00 00 00 00 00		
2016/07/17	18:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2016/07/17	18:02:58.0	XRT_QT_PROG_SET_439_OG [0x1b7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2016/07/17	18:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2016/07/17	18:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d		
2016/07/17	18:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2016/07/17	18:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/07/17	18:10:00.0	AOCS_OrE-point_Start_3_OG [0x099]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/07/17	18:10:18.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2016/07/17	18:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	AOCS_OrE-point_Start_3_OG [0x099]					
2016/07/17	18:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]	AOCU_NM	5	02-76	01 00 00 00 00		
2016/07/17	18:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2016/07/17	18:10:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2016/07/17	18:12:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2016/07/17	18:12:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2016/07/17	18:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FLD_RESET	1	07-F0	da		
2016/07/17	18:20:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10		
2016/07/17	18:20:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07		
2016/07/17	18:20:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2016/07/17	18:23:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/07/17	19:04:00.0	XRT_Custom_430_OG [0x1ae]	XRT_FLD_RESET_415_OG [0x19f]	1	07-F0	da		
2016/07/17	19:05:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_FLD_RESET	1	07-F0	da		
2016/07/17	19:59:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2016/07/17	19:59:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2016/07/17	19:59:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	XRT_Custom_430_OG [0x1ae]					
2016/07/17	20:02:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	XRT_CTRL_AUTO_424_OG [0x1a8]					
2016/07/17	20:41:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2016/07/17	20:42:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/07/17	21:37:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/07/17	21:37:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/07/17	21:37:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da		
2016/07/17	21:40:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2016/07/17	22:17:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2016/07/17	22:18:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]					
2016/07/17	23:16:00.0	XRT_CTRL_MANU_400_OG [0x190]	XRT_CTRL_AUTO_424_OG [0x1a8]					
2016/07/17	23:16:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2016/07/17	23:16:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/07/17	23:19:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_FLD_RESET	1	07-F0	da		
2016/07/17			MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2016/07/17			MDP_XRT_PREFLR_STOP	1	07-F0	e9		

Jul 12, 16 12:12

XRT_OGLIST_0049.chk

Page 16/19

2016/07/17	23:45:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/17	23:46:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/18	00:54:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	00:54:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/18	00:54:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/18	00:57:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/18	01:23:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/18	01:24:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/18	02:31:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	02:31:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/18	02:31:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/18	02:34:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/18	03:01:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/18	03:02:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/18	03:59:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	03:59:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/18	03:59:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/18	04:02:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/18	04:40:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/18	04:41:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/18	05:40:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	05:40:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/18	05:40:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/18	05:43:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/18	06:18:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/18	06:19:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/18	06:22:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	06:22:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	06:22:58.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2016/07/18	06:23:00.0	AOCS_Ore-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2016/07/18	06:23:18.0	XRT_FLD_DIS_406_OG [0x196]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2016/07/18	06:25:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2016/07/18	06:25:56.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/07/18	06:25:58.0	XRT_QT_PROG_SET_439_OG [0x1b7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d				
2016/07/18	06:26:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/18	06:32:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	06:32:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	06:32:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2016/07/18	06:33:00.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2016/07/18	06:33:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2016/07/18	06:33:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2016/07/18	06:33:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2016/07/18	06:33:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/07/18	06:33:26.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/18	06:35:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 10				
2016/07/18	06:35:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2016/07/18	06:36:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/18	07:20:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	07:20:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				

Jul 12, 16 12:12

XRT_OGLIST_0049.chk

Page 17/19

2016/07/18	07:20:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/18	07:23:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/18	07:56:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/18	07:57:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/18	09:00:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	09:00:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/18	09:00:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/18	09:03:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/18	09:35:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/18	09:36:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/18	10:42:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	10:42:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/18	10:42:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/18	10:45:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/18	11:13:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/18	11:14:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/18	12:23:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	12:23:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/18	12:23:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/18	12:26:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/18	12:51:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/18	12:52:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/18	14:01:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	14:01:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/18	14:01:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/18	14:04:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/18	14:37:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/18	14:38:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/18	15:39:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	15:39:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/18	15:39:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/18	15:42:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/18	16:25:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/18	16:26:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/18	17:18:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	17:18:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/18	17:18:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/18	17:21:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/18	18:02:24.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	18:02:26.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	18:02:28.0	XRT_FOCUS_RECALIBRATE_445_OG [0x1bd]							
		XRT_FOCUS_RECAL	2	07-F8	78 00				
2016/07/18	18:02:30.0	AOCS_OrE-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2016/07/18	18:06:28.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2016/07/18	18:06:48.0	XRT_FLD_DIS_425_OG [0x1a9]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2016/07/18	18:07:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2016/07/18	18:07:26.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/07/18	18:07:28.0	XRT_QT_PROG_SET_439_OG [0x1b7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d				
2016/07/18	18:07:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/18	18:12:24.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/18	18:12:26.0	XRT_CTRL_MANU_402_OG [0x192]							

Jul 12, 16 12:12

XRT_OGLIST_0049.chk

Page 18/19

2016/07/18	18:12:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/18	18:12:30.0	AOCS_OrE-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2016/07/18	18:12:48.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	01 00 00 00 00
2016/07/18	18:12:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2016/07/18	18:12:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2016/07/18	18:12:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2016/07/18	18:12:56.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_ARS_DIS	1	07-F0	d5
2016/07/18	18:15:26.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/18	18:15:28.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f
2016/07/18	18:15:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07
2016/07/18	18:56:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/18	18:56:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/18	18:56:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/18	18:59:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/18	19:39:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/18	19:40:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2016/07/18	20:34:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/18	20:34:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/18	20:34:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/18	20:37:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/18	21:16:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/18	21:17:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2016/07/18	22:13:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/18	22:13:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/18	22:13:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/18	22:16:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/18	22:51:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/18	22:52:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2016/07/18	23:51:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/18	23:51:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/18	23:51:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/18	23:54:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/19	00:20:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/19	00:21:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2016/07/19	01:30:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/19	01:30:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/19	01:30:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/19	01:33:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/19	01:58:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/19	01:59:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2016/07/19	03:06:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/19	03:06:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/19	03:06:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/19	03:09:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/07/19	03:37:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/07/19	03:38:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2016/07/19	04:36:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/07/19	04:36:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/07/19	04:36:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/07/19			MDP_XRT_PREFLR_STRT	1	07-F0	e8

Jul 12, 16 12:12

XRT_OGLIST_0049.chk

Page 19/19

2016/07/19	04:39:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/19	05:15:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/19	05:16:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/19	05:48:24.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/19	05:48:26.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/19	05:48:28.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2016/07/19	05:48:30.0	AOCS_Ore-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2016/07/19	05:48:48.0	XRT_FLD_DIS_406_OG [0x196]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2016/07/19	05:51:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2016/07/19	05:51:26.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/07/19	05:51:28.0	XRT_QT_PROG_SET_418_OG [0x1a2]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 04				
2016/07/19	05:51:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/19	05:58:24.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/19	05:58:26.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/19	05:58:28.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2016/07/19	05:58:30.0	AOCS_Ore-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	00 00 00 00 a9 cb				
2016/07/19	05:58:48.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2016/07/19	05:58:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2016/07/19	05:58:52.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2016/07/19	05:58:54.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/07/19	05:58:56.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/19	06:01:26.0	XRT_QT_PROG_SET_404_OG [0x194]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 06				
2016/07/19	06:01:28.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2016/07/19	06:01:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/19	06:16:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/19	06:16:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/19	06:16:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/19	06:19:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/19	06:53:30.0	XRT_Custom_430_OG [0x1ae]							
2016/07/19	06:54:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/19	07:56:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/19	07:56:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/19	07:56:34.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/19	07:59:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/19	08:32:00.0	XRT_Custom_430_OG [0x1ae]							
2016/07/19	08:33:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/07/19	09:36:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/07/19	09:36:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/07/19	09:36:04.0	XRT_PREFLR_STRT_421_OG [0x1a5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/07/19	09:39:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/07/19	10:43:00.0	AOCS_Ore-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 00 00 00 00				