

# XRT Timeline to be uploaded on 2019/04/09

Period: 2019/04/09 12:01:00 - 2019/04/13 10:03:00

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Normal mode

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## XOB #1C2A: Synoptic Q95 2x2 - Al/mesh(181/1024/5795) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(181/1024/8192)

Term	Pointing (x, y)	Comment
04/10 11:26:00 - 04/10 11:32:54	Fixed ( 0.0, 0.0)	synoptic
04/10 18:15:00 - 04/10 18:21:54	Fixed ( 0.0, 0.0)	synoptic
04/11 02:03:00 - 04/11 02:09:54	Fixed ( 0.0, 0.0)	additional synoptic for HOP 349
04/11 06:19:00 - 04/11 06:25:54	Fixed ( 0.0, 0.0)	synoptic, shifted 16.0 min
<b>PROG= 06 1-time(s)</b>		
└─ <b>Subr= 1 1-time(s) 2.0sec</b>		
└─┬─ <b>Seqn= 5 1-time(s) 2.0sec</b>		
└─┬─┬─ Open/Ti-poly	└─┬─┬─ Open/thick-Al close	Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
└─┬─┬─ Open/Ti-poly	└─┬─┬─ Open/thick-Al close	Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
└─┬─┬─ Open/Ti-poly	└─┬─┬─ Open/thick-Al close	Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
└─┬─┬─ Open/Ti-poly	└─┬─┬─ Open/thick-Al close	Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) DPCM 0 0 2.0sec
└─┬─┬─ Open/Ti-poly	└─┬─┬─ Open/thick-Al close	Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) DPCM 0 0 2.0sec
└─┬─ <b>Seqn= 88 1-time(s) 2.0sec</b>		
└─┬─┬─ 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
└─┬─┬─ Open/Al-mesh	└─┬─┬─ Open/Al-mesh close	Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
└─┬─ <b>Seqn= 18 1-time(s) 2.0sec</b>		
└─┬─┬─ Al-poly/Open	└─┬─┬─ Al-poly/Open close	Safe Norm 177ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
└─┬─┬─ Al-poly/Open	└─┬─┬─ Al-poly/Open close	Safe Norm 1.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
└─┬─┬─ Al-poly/Open	└─┬─┬─ Al-poly/Open close	Safe Norm 8.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
└─┬─ <b>Seqn= 52 1-time(s) 2.0sec</b>		
└─┬─┬─ thin-Be/Open	└─┬─┬─ thin-Be/Open close	Safe Norm 2.83s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
└─┬─┬─ thin-Be/Open	└─┬─┬─ thin-Be/Open close	Safe Norm 16.0s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
└─┬─┬─ thin-Be/Open	└─┬─┬─ thin-Be/Open close	Safe Norm 32.0s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
└─┬─ <b>Seqn= 23 1-time(s) 2.0sec</b>		
└─┬─┬─ Open/G-band	└─┬─┬─ Open/G-band open	Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec
└─┬─┬─ Open/G-band	└─┬─┬─ Open/G-band close	Safe Norm 1ms 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 #1BC7: CCD Monitor During Bakeout - G-band 1ms - 1kx1k - Q90 - 1st Quadrant - Al/mesh(2048ms), Al/Poly(4096ms) - w leak image-1ms

Term	Pointing (x, y)	Comment
04/10 11:36:00 - 04/10 11:42:54	Fixed ( -528.4, -528.4)	Post Bakeout obs 1/4
<b>PROG= 07 1-time(s)</b>		
└─ <b>Subr= 1 1-time(s) 2.0sec</b>		
└─┬─ <b>Seqn= 51 1-time(s) 2.0sec</b>		
└─┬─┬─ Open/G-band	└─┬─┬─ Open/G-band open	Safe Norm 1ms Obs 1x1 1024x1024 (1536, 1536) Q=90 0 0 2.0sec
└─┬─┬─ Open/G-band	└─┬─┬─ Open/G-band open	Safe Norm 1ms Obs 1x1 1024x1024 (1536, 1536) Q=90 0 0 2.0sec
└─┬─┬─ Open/thick-Be	└─┬─┬─ Open/thick-Be close	Safe Dark 1ms Obs 1x1 1024x1024 (1536, 1536) Q=98 0 0 2.0sec
└─┬─┬─ Open/thick-Be	└─┬─┬─ Open/thick-Be close	Safe Dark 1ms Obs 1x1 1024x1024 (1536, 1536) Q=98 0 0 2.0sec
└─ <b>Subr= 2 1-time(s) 2.0sec</b>		
└─┬─ <b>Seqn= 3 2-time(s) 2.0sec</b>		
└─┬─┬─ Open/Al-mesh	└─┬─┬─ Open/Al-mesh close	Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
└─┬─┬─ Al-poly/Open	└─┬─┬─ Al-poly/Open close	Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
└─ <b>Subr= 3 2-time(s) 2.0sec</b>		
└─┬─ <b>Seqn= 34 1-time(s) 2.0sec</b>		
└─┬─┬─ Open/G-band	└─┬─┬─ Open/G-band open	Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec
└─┬─┬─ Open/G-band	└─┬─┬─ Open/G-band close	Safe Norm 1ms 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 #1BC8: CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - Q90 - 2nd Quadrant - Al/mesh (2048ms), Al/Poly (4096ms) - w leak image-1 ms

Term	Pointing (x, y)	Comment
04/10 11:46:00 - 04/10 11:52:54	Fixed ( 528.4, -528.4)	Post Bakeout obs 2/4
<b>PROG= 01 1-time(s)</b>		
└─ <b>Subr= 1 1-time(s) 2.0sec</b>		
└─┬─ <b>Seqn= 38 1-time(s) 2.0sec</b>		
└─┬─┬─ Open/G-band	└─┬─┬─ Open/G-band open	Safe Norm 1ms Obs 1x1 1024x1024 (512, 1536) Q=90 0 0 2.0sec
└─┬─┬─ Open/G-band	└─┬─┬─ Open/G-band open	Safe Norm 1ms Obs 1x1 1024x1024 (512, 1536) Q=90 0 0 2.0sec
└─┬─┬─ Open/thick-Be	└─┬─┬─ Open/thick-Be close	Safe Dark 1ms Obs 1x1 1024x1024 (512, 1536) Q=98 0 0 2.0sec
└─┬─┬─ Open/thick-Be	└─┬─┬─ Open/thick-Be close	Safe Dark 1ms Obs 1x1 1024x1024 (512, 1536) Q=98 0 0 2.0sec
└─ <b>Subr= 2 1-time(s) 2.0sec</b>		
└─┬─ <b>Seqn= 3 2-time(s) 2.0sec</b>		
└─┬─┬─ Open/Al-mesh	└─┬─┬─ Open/Al-mesh close	Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
└─┬─┬─ Al-poly/Open	└─┬─┬─ Al-poly/Open close	Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
└─ <b>Subr= 3 2-time(s) 2.0sec</b>		
└─┬─ <b>Seqn= 34 1-time(s) 2.0sec</b>		
└─┬─┬─ Open/G-band	└─┬─┬─ Open/G-band open	Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec
└─┬─┬─ Open/G-band	└─┬─┬─ Open/G-band close	Safe Norm 1ms 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 #1BC9: CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - Q90 - 3rd Quadrant - Al/mesh (2048ms), Al/Poly (4096ms) - w leak image-1 ms**

Term	Pointing (x, y)	Comment
04/10 11:56:00 - 04/10 12:02:54	Fixed ( 528.4, 528.4)	Post Bakeout obs 3/4
<b>PROG= 14 1-time(s)</b>		
<b>Subr= 1 1-time(s) 2.0sec</b>		
<b>Seqn= 21 1-time(s) 2.0sec</b>		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 1024x1024 (512, 512) Q=90 0 0 2.0sec
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 1024x1024 (512, 512) Q=90 0 0 2.0sec
Open/thick-Be	Open/thick-Be close	Safe Dark 1ms Obs 1x1 1024x1024 (512, 512) Q=98 0 0 2.0sec
Open/thick-Be	Open/thick-Be close	Safe Dark 1ms Obs 1x1 1024x1024 (512, 512) Q=98 0 0 2.0sec
<b>Subr= 2 1-time(s) 2.0sec</b>		
<b>Seqn= 3 2-time(s) 2.0sec</b>		
Open/Al-mesh	Open/Al-mesh close	Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/Open close	Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
<b>Subr= 3 2-time(s) 2.0sec</b>		
<b>Seqn= 34 1-time(s) 2.0sec</b>		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms 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 #1BCA: CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - Q90 - 4th Quadrant - Al/mesh (2048ms), Al/Poly (4096ms) - w leak image-1 ms**

Term	Pointing (x, y)	Comment
04/10 12:06:00 - 04/10 12:44:54	Fixed ( -528.4, 528.4)	Post Bakeout obs 4/4
<b>PROG= 05 1-time(s)</b>		
<b>Subr= 1 1-time(s) 2.0sec</b>		
<b>Seqn= 14 1-time(s) 2.0sec</b>		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 1024x1024 (1536, 512) Q=90 0 0 2.0sec
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 1024x1024 (1536, 512) Q=90 0 0 2.0sec
Open/thick-Be	Open/thick-Be close	Safe Dark 1ms Obs 1x1 1024x1024 (1536, 512) Q=98 0 0 2.0sec
Open/thick-Be	Open/thick-Be close	Safe Dark 1ms Obs 1x1 1024x1024 (1536, 512) Q=98 0 0 2.0sec
<b>Subr= 2 1-time(s) 2.0sec</b>		
<b>Seqn= 3 2-time(s) 2.0sec</b>		
Open/Al-mesh	Open/Al-mesh close	Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/Open close	Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
<b>Subr= 3 2-time(s) 2.0sec</b>		
<b>Seqn= 34 1-time(s) 2.0sec</b>		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms 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 #1C13: Synoptic 7 Filter w/ Al-mesh(512/2048/4096), Al-poly(512/4096/8192), Thin-Be(3897/16384/32768) - Thick-Be(65536), Al-poly+Ti-poly(4096/23142)**

Term	Pointing (x, y)	Comment
04/10 12:48:05 - 04/10 15:29:00	Fixed ( 0.0, 0.0)	HOP 130 3/15
04/10 15:42:00 - 04/10 16:11:54	Fixed ( 0.0, -941.0)	HOP 130 13/15
<b>PROG= 19 1-time(s)</b>		
<b>Subr= 1 1-time(s) 2.0sec</b>		
<b>Seqn= 5 1-time(s) 2.0sec</b>		
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) DPCM 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) DPCM 0 0 2.0sec
<b>Seqn= 12 1-time(s) 2.0sec</b>		
Open/Al-mesh	Open/Al-mesh close	Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close	Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close	Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
<b>Seqn= 82 1-time(s) 2.0sec</b>		
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
Al-poly/Open	Al-poly/Open close	Safe Norm 8.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
<b>Seqn= 52 1-time(s) 2.0sec</b>		
thin-Be/Open	thin-Be/Open close	Safe Norm 2.83s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open close	Safe Norm 16.0s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open close	Safe Norm 32.0s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
<b>Seqn= 23 1-time(s) 4.0sec</b>		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
<b>Subr= 2 1-time(s) 2.0sec</b>		
<b>Seqn= 46 1-time(s) 2.0sec</b>		
Open/thick-Be	Open/thick-Be close	Safe Norm 64.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
<b>Seqn= 17 1-time(s) 2.0sec</b>		
med-Al/Open	med-Al/Open close	Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
med-Al/Open	med-Al/Open close	Safe Norm 64.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
<b>Seqn= 97 1-time(s) 2.0sec</b>		
Al-poly/Ti-poly	Al-poly/thick-Al close	Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al close	Safe Norm 22.6s 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 #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
04/10 16:15:00 - 04/10 18:11:54	Fixed ( 0.0, 930.0)	Co-alignment run at N pole
<b>PROG= 17 1-time(s)</b>		
└─ <b>Subr= 1 24-time(s) 300.0sec</b>		
└─ <b>Seqn= 98 1-time(s) 2.0sec</b>		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 2x2 2048x1536 (1024, 768) Q=90 0 0 2.0sec
└─ <b>Seqn= 63 1-time(s) 2.0sec</b>		
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 2x2 2048x1536 (1024, 768) Q=90 0 0 2.0sec
└─ <b>Seqn= 45 1-time(s) 2.0sec</b>		
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
04/10 18:25:00 - 04/10 20:21:54	Fixed (-970.0, 0.0)	Co-alignment run at E-limb
<b>PROG= 18 1-time(s)</b>		
└─ <b>Subr= 1 15-time(s) 480.0sec</b>		
└─ <b>Seqn= 19 1-time(s) 2.0sec</b>		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 2x2 1536x2048 (1280, 1024) Q=90 0 0 2.0sec
└─ <b>Seqn= 43 1-time(s) 2.0sec</b>		
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 2x2 1536x2048 (1280, 1024) Q=90 0 0 2.0sec
└─ <b>Seqn= 70 1-time(s) 2.0sec</b>		
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 #1C37: CME watch - 4x4 - AEC 2 - Thin-Be - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 60s cad**

Term	Pointing (x, y)	Comment
04/10 20:42:30 - 04/11 01:59:54	Track ( 248.8, 834.6) @ 04/10 20:22:00	HOP 366 for N-pole
04/11 02:13:00 - 04/11 06:15:54	Track ( 251.1, -876.4) @ 04/11 02:10:00	HOP 366 for S-pole
04/11 06:29:00 - 04/11 10:20:00	Track (-590.5, 146.1) @ 04/11 06:26:00	HOP 366 for AR at E-limb
<b>PROG= 04 Inf.-time(s)</b>		
└─ <b>Subr= 1 50-time(s) 60.0sec</b>		
└─ <b>Seqn= 83 1-time(s) 4.0sec</b>		
thin-Be/Open	med-Be/Open close	Safe Norm 1.41s Obs 4x4 2048x2048 (1024, 1024) Q=98 2 0 2.0sec
└─ <b>Subr= 2 1-time(s) 2.0sec</b>		
└─ <b>Seqn= 30 1-time(s) 2.0sec</b>		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 1024x1024 (1536, 1536) Q=90 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 1024x1024 (1536, 1536) Q=95 0 0 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

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**Flare mode**

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**XOB #1B8E: 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
04/10 16:15:00 - 04/10 18:11:54	Fixed ( 0.0, 930.0)	Co-alignment run at N pole
04/10 18:25:00 - 04/10 20:21:54	Fixed (-970.0, 0.0)	Co-alignment run at E-limb
04/10 20:42:30 - 04/11 01:59:54	Track ( 248.8, 834.6) @ 04/10 20:22:00	HOP 366 for N-pole
04/11 02:13:00 - 04/11 06:15:54	Track ( 251.1, -876.4) @ 04/11 02:10:00	HOP 366 for S-pole
04/11 06:29:00 - 04/11 10:20:00	Track (-590.5, 146.1) @ 04/11 06:26:00	HOP 366 for AR at E-limb
<b>PROG= 13 30-time(s)</b>		
└─ <b>Subr= 1 20-time(s) 2.0sec</b>		
└─ <b>Seqn= 11 1-time(s) 2.0sec</b>		
Al-poly/Open	Al-poly/thick-Al close	Safe Norm 125ms Obs 2x2 512x512 (1024, 1024) Q=95 2 0 2.0sec
└─ <b>Seqn=100 1-time(s) 10.0sec</b>		
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
└─ <b>Subr= 2 1-time(s) 2.0sec</b>		
└─ <b>Seqn= 10 1-time(s) 2.0sec</b>		
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
└─ <b>Seqn= 11 1-time(s) 2.0sec</b>		
Al-poly/Open	Al-poly/thick-Al close	Safe Norm 125ms Obs 2x2 512x512 (1024, 1024) Q=95 2 0 2.0sec
└─ <b>Seqn= 87 1-time(s) 2.0sec</b>		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec
Open/thick-Al	Open/thick-Al close	Safe Dark 1.00s Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec
Open/thick-Al	Open/thick-Al close	Safe Dark 1.00s Obs 2x2 512x512 (1024, 1024) Q=98 0 0 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

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**Active Region Search**

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NOT USED

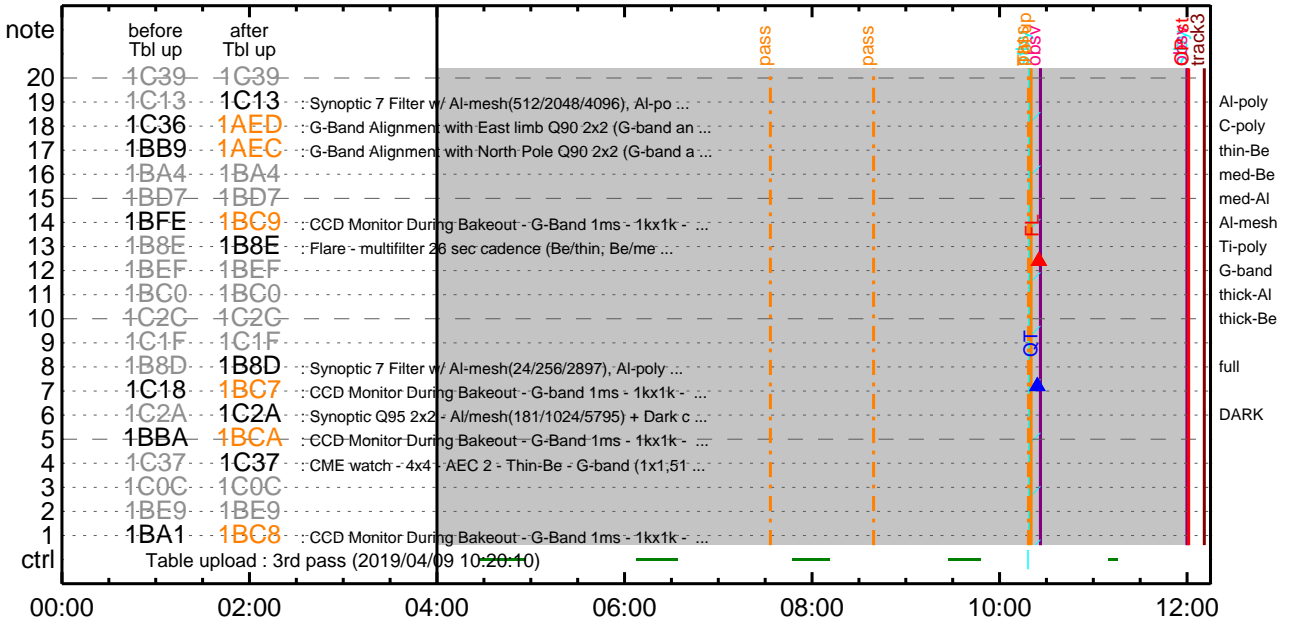
\* \* \* \* \*

## Flare Detection

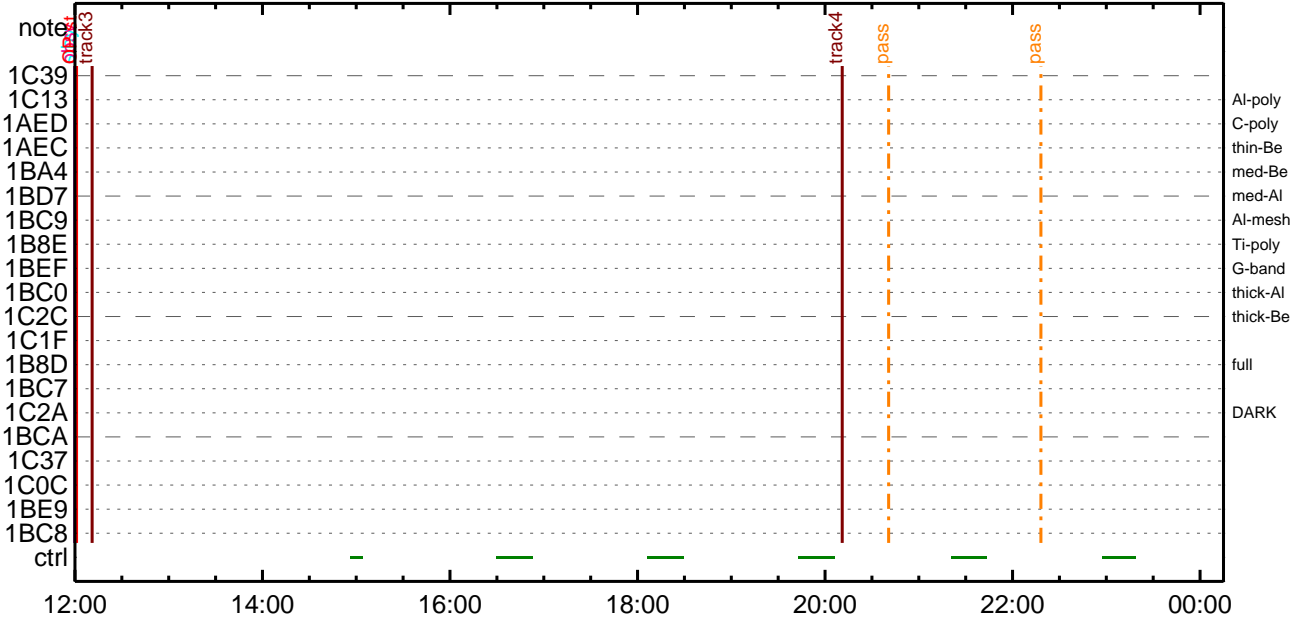
\* \* \* \* \*

FLD Patrol												
Term		Pointing (x, y)						Comment				
04/10 16:12:18 - 04/10 18:12:18		Fixed ( 0.0, 930.0)						Co-alignment run at N pole				
04/10 18:22:18 - 04/11 02:00:18		Fixed ( -970.0, 0.0)						Co-alignment run at E-limb				
04/11 02:10:18 - 04/11 06:16:18		Track ( 251.1, -876.4) @ 04/11 02:10:00						HOP 366 for S-pole				
04/11 06:26:18 - 04/13 10:03:00		Track ( -590.5, 146.1) @ 04/11 06:26:00						HOP 366 for AR at E-limb				
AI-poly/Open	AI-poly/Open	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	

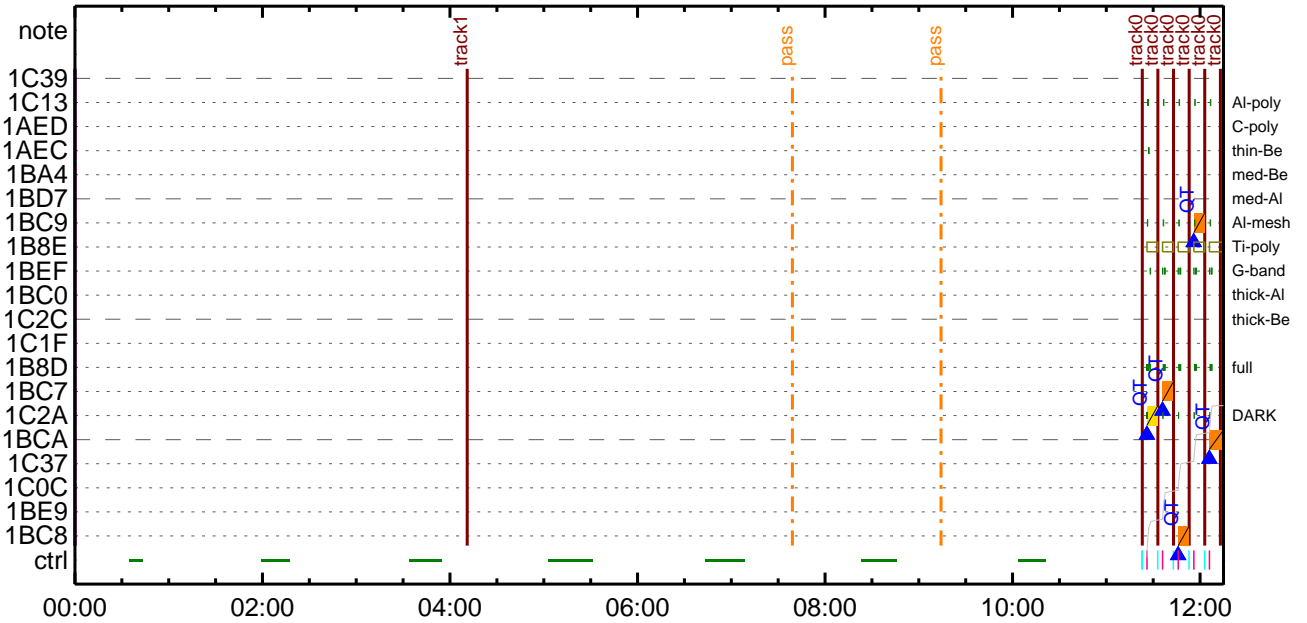
### CMDI #0166 2019/04/09



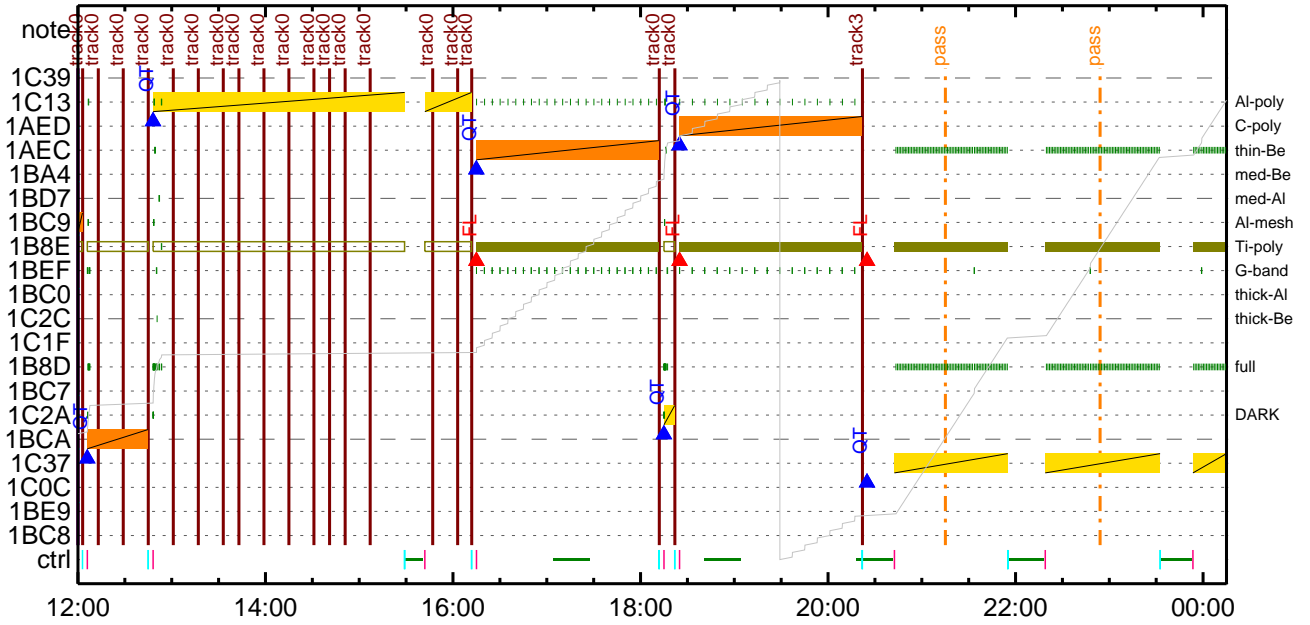
### CMDI #0166 2019/04/09



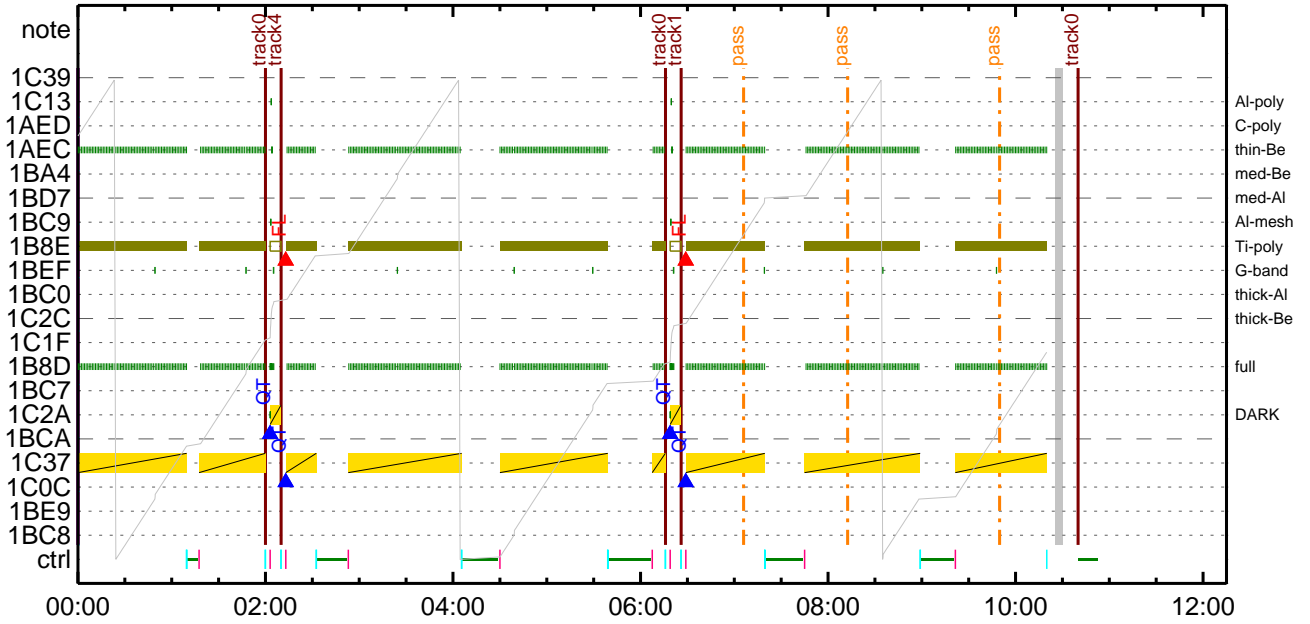
### CMDI #0166 2019/04/10



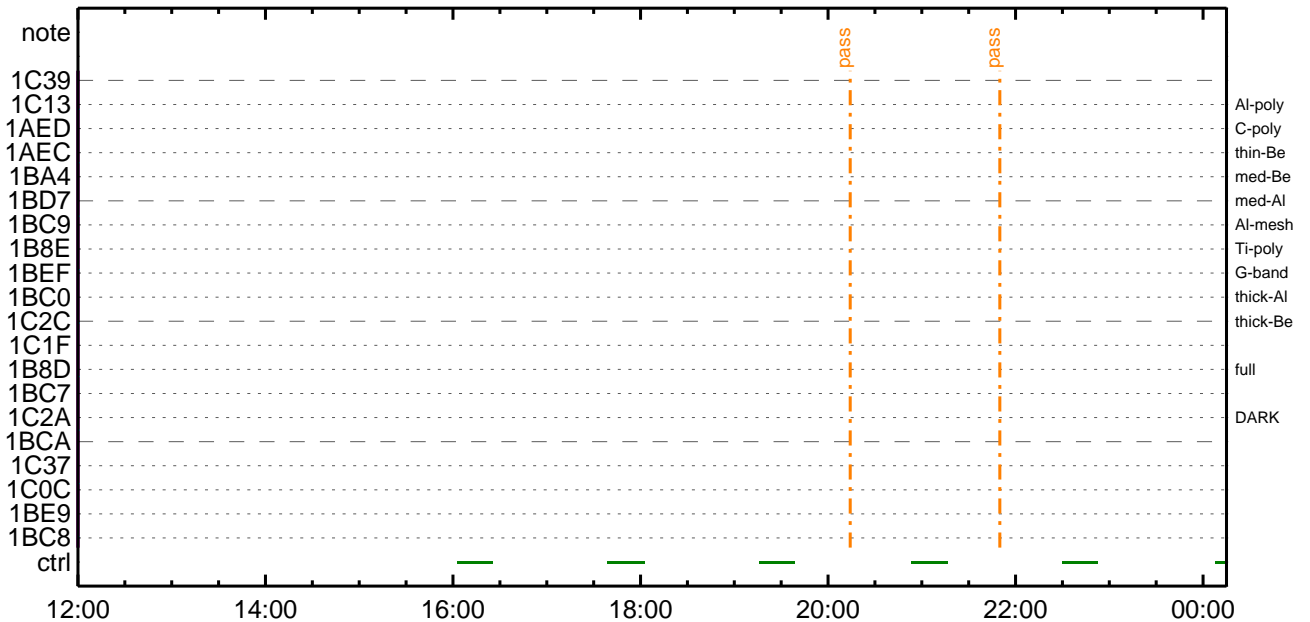
CMDI #0166 2019/04/10



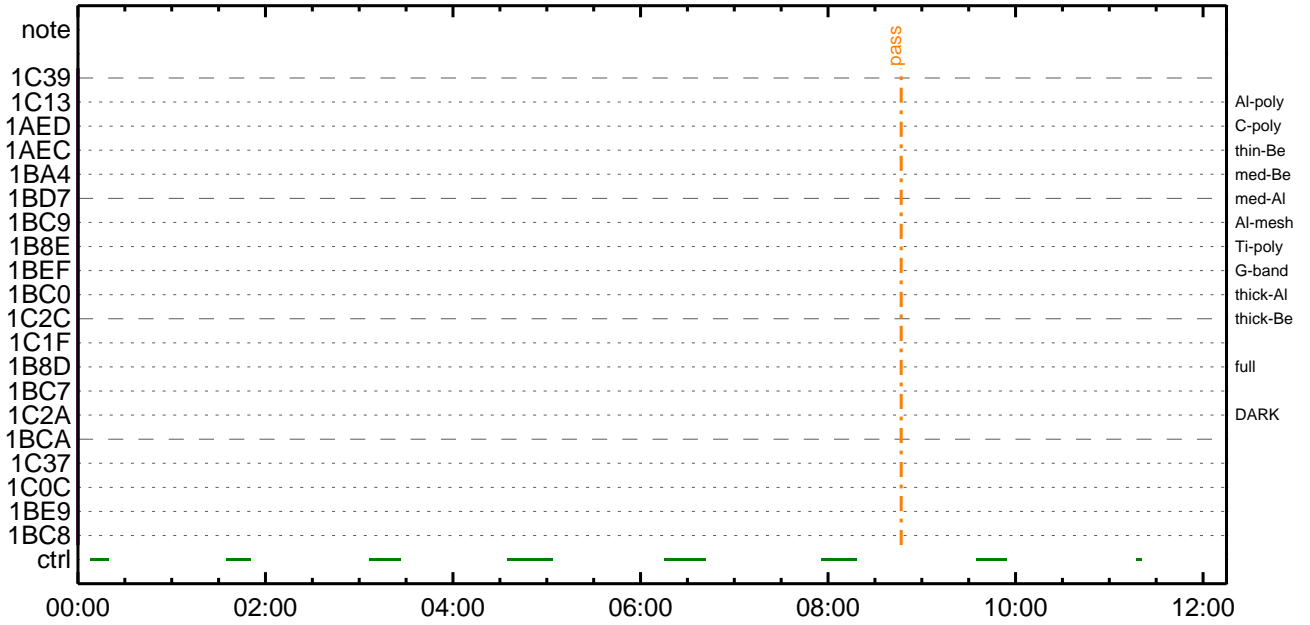
CMDI #0166 2019/04/11



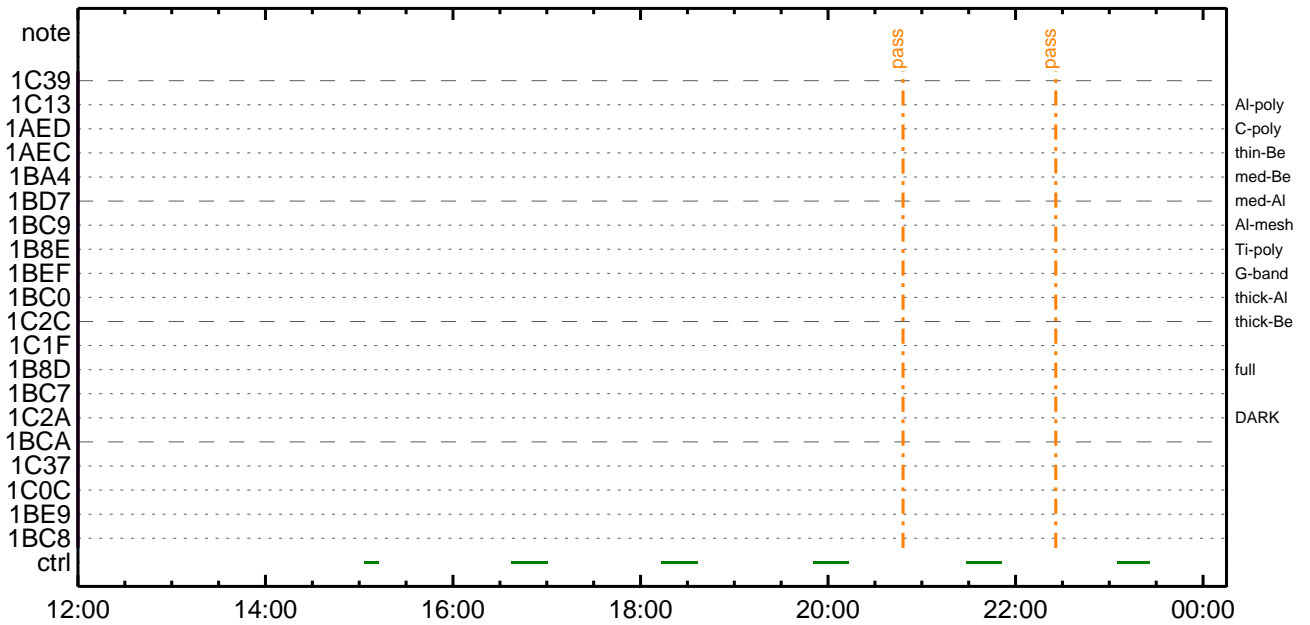
CMDI #0166 2019/04/11



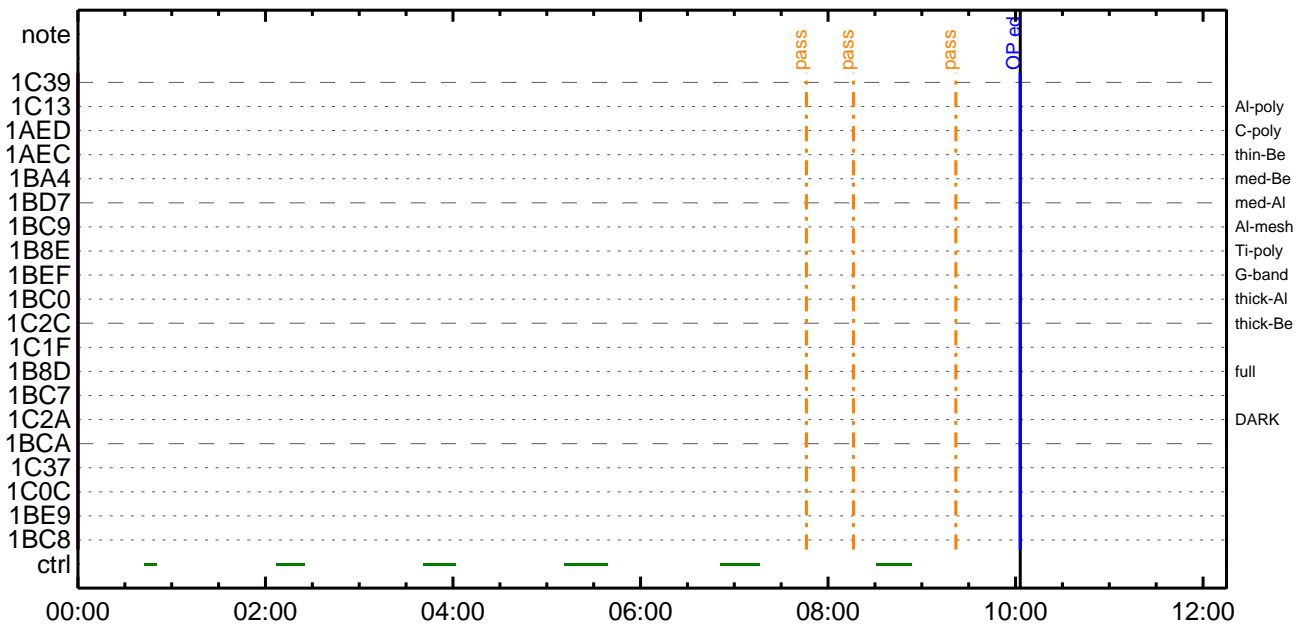
CMDI #0166 2019/04/12



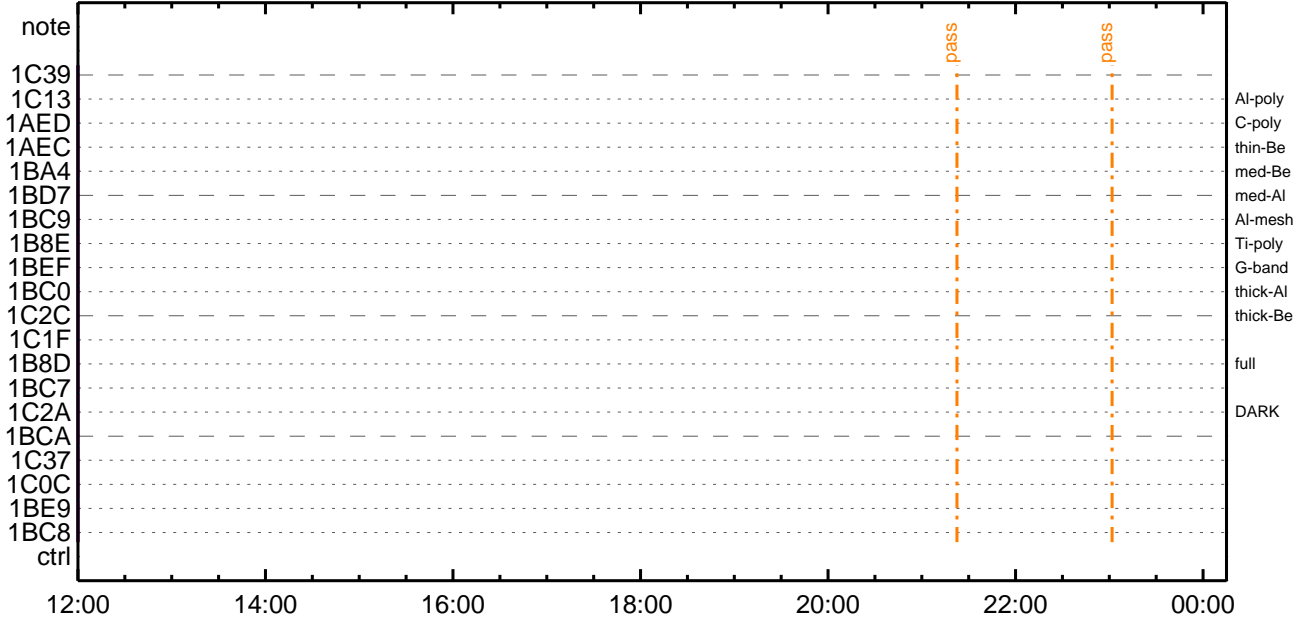
CMDI #0166 2019/04/12



CMDI #0166 2019/04/13



CMDI #0166 2019/04/13





(a) Spacecraft Operation Procedure (real-commands)

```

main-037 2019-04-09 11:40:16 194 33 SOLAR-B MAIN //
0001  C.
0002  . C. ***** AOS *****
0003  C.
0004  . C. ;ãAOSYÃY$YÃY-¼Å»Û;ä
0005  C.
0006  C. YÃYB;¼Y³YBYÖYÉA+ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008  C.
0009  . C. ***** AOCs : Reload orbital element (send every contact) *****
0010  C. Äí;ÈçÿÄð•µ°Æ»Í×ÅÇçÍYçYÃY×Yí;¼YÉ;ÈÈÈ%µ•íÉ;ÈÈÈ%°ÇÒç•çÿ¼l¹ççí;çÀ®,ùñ¹æèðçÇÃ+ç®ç•çÈççç³è;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012  C.
0013  C.
0014  . C. *****
0015  C. OP/OGYí;¼YÉ;|YÃYÖY×
0016  C. *****
0017  C.
0018  . C. ;ãOP/OGYí;¼YÉ;ä
0019  . S. OP      op-037:OP
0020  ()
0021  . S. OG      og-037:OG
0022  ()
0023  C.
0024  . C. ;ãNMOG&OPÍ°èYÃYÖY×;ä
0025  C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027  BC      (20 00 7f 01 02)
0028  C.      çç[HK1_DMP_TOP_ADRS_1]            EQ      40
0029  C.      çç[HK1_DMP_TOP_ADRS_0]            EQ      0
0030  C.      çç[HK1_DMP_BLOCK_NUM]             EQ     127
0031  C.      çç[HK1_DMP_REPEAT_NUM]           EQ      0
0032  C.      çç[HK1_DMA_DMP_PIM]              EQ     DHU
0033 +. DC 01-22 DHU_MODE_CHNG
0034  BC      (07 0b f8)
0035  C.      çç[HK1_PKT_FORM_NO]              EQ       7
0036  C.      çç[HK1_PKT_GEN_TIME]              EQ     0.25 s
0037  C.      çç[HK1_S_TLM_BIT_RATE]           EQ     32k
0038  C.      çç[HK1_X_TLM_BIT_RATE]           EQ      4M
0039  C.      çç[HK1_DMP_CHK_FLG]              EQ     EXEC
0040  . C.  YÃYÖY×¼³Å î»ðð³ÍÇ§
0041  C.      çç[HK1_DMP_CHK_FLG]              EQ     NON
0042  . C.  RAM ID=NMOGçÍ¼È¹ç•è²ÌOKçð³ÍÇ§
0043  C.
0044  C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0045 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046  BC      (20 80 7f 01 02)
0047  C.      çç[HK1_DMP_TOP_ADRS_1]            EQ     41
0048  C.      çç[HK1_DMP_TOP_ADRS_0]            EQ      0
0049  C.      çç[HK1_DMP_BLOCK_NUM]            EQ     127
0050  C.      çç[HK1_DMP_REPEAT_NUM]           EQ      0
0051  C.      çç[HK1_DMA_DMP_PIM]              EQ     DHU
0052 +. DC 01-22 DHU_MODE_CHNG
0053  BC      (07 0b f8)
0054  C.      çç[HK1_PKT_FORM_NO]              EQ       7
0055  C.      çç[HK1_PKT_GEN_TIME]              EQ     0.25 s
0056  C.      çç[HK1_S_TLM_BIT_RATE]           EQ     32k
0057  C.      çç[HK1_X_TLM_BIT_RATE]           EQ      4M
0058  C.      çç[HK1_DMP_CHK_FLG]              EQ     EXEC
0059  . C.  YÃYÖY×¼³Å î»ðð³ÍÇ§
0060  C.      çç[HK1_DMP_CHK_FLG]              EQ     NON
0061  . C.  RAM ID=NMOGçÍ¼È¹ç•è²ÌOKçð³ÍÇ§
0062  C.
0063  C. NMOG(0x210000-0x210FFF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065  BC      (21 00 41 01 02)
0066  C.      çç[HK1_DMP_TOP_ADRS_1]            EQ     42
0067  C.      çç[HK1_DMP_TOP_ADRS_0]            EQ      0
0068  C.      çç[HK1_DMP_BLOCK_NUM]            EQ     65
0069  C.      çç[HK1_DMP_REPEAT_NUM]           EQ      0
0070  C.      çç[HK1_DMA_DMP_PIM]              EQ     DHU
0071 +. DC 01-22 DHU_MODE_CHNG
0072  BC      (07 0b f8)
0073  C.      çç[HK1_PKT_FORM_NO]              EQ       7
0074  C.      çç[HK1_PKT_GEN_TIME]              EQ     0.25 s
0075  C.      çç[HK1_S_TLM_BIT_RATE]           EQ     32k
0076  C.      çç[HK1_X_TLM_BIT_RATE]           EQ      4M
0077  C.      çç[HK1_DMP_CHK_FLG]              EQ     EXEC
0078  . C.  YÃYÖY×¼³Å î»ðð³ÍÇ§
0079  C.      çç[HK1_DMP_CHK_FLG]              EQ     NON
0080  . C.  RAM ID=NMOG, RAM ID=OPçÍ¼È¹ç•è²ÌOKçð³ÍÇ§
0081  C.
0082  . C.  ***** öÈ²¼çðİ¼Ä´¶Å°çÈÈ¬ççÀ+ç® (¼åµ-YÃYÖY×¼¼è%ççððÅÖÃæçç¼°¬çç¼í¹ççççç) *****
0083  C. DHUÿâ;¼YÉ;È%Y¼, Yí;¼YÉ;ÈçðÍäç¹
0084 +. DC 01-22 DHU_MODE_CHNG
0085  BC      (02 0a f8)
0086  C.      çç[HK1_PKT_FORM_NO]              EQ       2
0087  C.      çç[HK1_PKT_GEN_TIME]              EQ     0.5S
0088  C.      çç[HK1_S_TLM_BIT_RATE]           EQ     32k
0089  C.      çç[HK1_X_TLM_BIT_RATE]           EQ      4M
0090  C.
0091  . C. *****
0092  C. TI-CMD SET (OPOG STOP/COPY/START)
0093  C. *****
0094  C.
0095  . C. NOTICE   |§  OPOG  UPLOADç¬Ä+ç®NGççÍ¼¹çç; ç°È²¼çðİTI-CMDÄ+ç®çç¼¹Öçç•çÈççç³è;f

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0096 C.          SET EDUMP I±°iYÑY¹aÇ¹Ôa|a³aE;f
0097 C.
0098 C. TIY³YF¥ÖYÉaðdÄDİ¿(UT)
0099 +. TI 2019-04-09 11:56:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0102 C.
0103 +. TI 2019-04-09 11:56:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0106 C.
0107 +. TI 2019-04-09 11:56:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0110 C.
0111 +. TI 2019-04-09 12:00:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0114 C.
0115 C. °E²¼aİÄè%îÍÑaİYÁY§YÄY-¹àÛ
0116 C.          ÇÇ[HK1_TI_CMD_ENA/DIS]       EQ          ENA
0117 C.          ÇÇ[HK1_TI_CMD_NUM]         EQ          4
0118 C.          ÇÇ[HK1_NEXT_EXEC_PIM]      EQ          DHU
0119 C.          ÇÇ[HK1_NEXT_EXEC_DC]      EQ          0xB3
0120 C.
0121 C. *****
0122 C. TIİİ°èYÄYÖY×
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC          (03 ab 03 01 02)
0128 C.          ÇÇ[HK1_DMP_TOP_ADRS_1]     EQ          07
0129 C.          ÇÇ[HK1_DMP_TOP_ADRS_0]     EQ          2B
0130 C.          ÇÇ[HK1_DMP_BLOCK_NUM]      EQ          3
0131 C.          ÇÇ[HK1_DMP_REPEAT_NUM]    EQ          0
0132 C.          ÇÇ[HK1_DMA_DMP_PIM]      EQ          DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC          (07 0b f8)
0135 C.          ÇÇ[HK1_PKT_FORM_NO]       EQ          7
0136 C.          ÇÇ[HK1_PKT_GEN_TIME]      EQ          0.25 s
0137 C.          ÇÇ[HK1_S_TLM_BIT_RATE]    EQ          32k
0138 C.          ÇÇ[HK1_X_TLM_BIT_RATE]   EQ          4M
0139 C.          ÇÇ[HK1_DMP_CHK_FLG]      EQ          EXEC
0140 C.
0141 C. YÄYÖY×½ªİ»að³İÇ§
0142 C.          ÇÇ[HK1_DMP_CHK_FLG]      EQ          NON
0143 C.
0144 C. RAM ID=TI_TBLaİ%È¹Ç•è²İOKað³İÇ§
0145 C.
0146 C. DHUYâ;¼YÉ;È¼Y½,¥i;¼YÈ;Èaðİã¹
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC          (02 0a f8)
0149 C.          ÇÇ[HK1_PKT_FORM_NO]       EQ          2
0150 C.          ÇÇ[HK1_PKT_GEN_TIME]      EQ          0.5S
0151 C.          ÇÇ[HK1_S_TLM_BIT_RATE]    EQ          32K
0152 C.          ÇÇ[HK1_X_TLM_BIT_RATE]   EQ          4M
0153 C.
0154 C. Stop EIS observation and temporarily disable EIS mode changes
0155 C.
0156 C.
0157 C. ***** Start EIS operation (TI set) *****
0158 C. Execute, after the success of OP upload.
0159 C. Set EIS TI-commands
0160 +. TI 2019-04-09 12:00:30.0
0161 DC 07-FC EIS_MODE_MANU
0162 BC          (21 02)
0163 +. TI 2019-04-09 12:00:40.0
0164 DC 07-FC EIS_MODE_CHG_DIS
0165 BC          (22)
0166 C.          [ ] [HK1_TI_CMD_NUM]      EQ          2 COUNTUP
0167 C. ***** End EIS operation (TI set) *****
0168 C.
0169 C.
0170 C.
0171 C. ***** XRT START *****
0172 C. Execute, after the success of OP upload.
0173 +. TI 2019-04-09 12:00:00.0
0174 DC 07-F0 MDP_XRT_MODE_STBY
0175 BC          (c3)
0176 C.          [ ] [HK1_TI_CMD_NUM]      EQ          1COUNTUP
0177 C.
0178 C. ***** XRT END *****
0179 C.
0180 C. ***** MDP ´úÄîaİ»ö¼YªÈÄa¹aèDCBC•x²è *****
0181 C. (%ã°îYÖYÄYÈY¥YÈYÄYÇYèaÈ¼aª¼Ä»Ü¹aè)
0182 C. S. DC-BC dcbc-402:DCBC
0183 C. (MDP_known_event)
0184 C.
0185 C.
0186 C. ***** YD¥¹•İ Daily±¿İÑaÈ¹Øa¹aèDCBC•x²è *****
0187 C. S. DC-BC dcbc-153:DCBC
0188 C. (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0189 C.
0190 C.
0191 C. ;ãLOS¥ÄY§YÄY-¼Ä»Ü;ã
0192 C.
0193 C. ***** LOS *****

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0096 C.
0097 C.
0098 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ( )
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE STATUS] ADRS = 070000 [ ]
0110 C.
0111 C.
0112 C. Change the TLMFormatNo for the AOCs Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCSDUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK [ ]
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 [ ]
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 . C.
0129 . C. ***** AOCs Commands (Orbital Element Update) *****
0130 C. Update the orbital element
0131 +. DC 02-50 AOCU_ORB_PRPGT_START
0132 BC (16)
0133 +. DC 02-8E AOCU_ORB_UPD
0134 C.
0135 C. <A_ORB>[ORBIT] EPC = 1209737.6 +- 1.0 (s) [ ]
0136 C.
0137 . C.
0138 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0139 +. DC 07-FC EIS_MODE_CHG_ENA
0140 BC (20)
0141 . C. Verify EIS_MODE_CHG_FLG is ENA
0142 +. DC 07-FC EIS_MODE_MANU
0143 BC (21 02)
0144 . C. Verify EIS in MANUAL mode
0145 . C. Estimated OBSTBL upload time is 41s
0146 C. *****
0147 C. EIS START OBSTBL LOAD
0148 C. *****
0149 . S. RAM ram-820:EIS_OBSTBL
0150 ( )
0151 +. DC 07-FC EIS_DUMP_OBSTBL
0152 BC (07 07 07 00 00 70 00)
0153 C.
0154 C. Execute, after the success of OBSTBL upload.
0155 C. Set EIS TI-commands
0156 +. TI 2019-04-09 12:00:50.0
0157 DC 07-FC EIS_MODE_CHG_ENA
0158 BC (20)
0159 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0160 C. *****
0161 C. EIS END OBSTBL LOAD
0162 C. *****
0163 C.
0164 . C. ***** MDP 'úÃîî»ö¼ÝðËÄð¹ñèDCBC•x²è *****
0165 C. (¼á°îÝÓÝÄÝËÝÞÝËÝ¼ÝèñË¼¼¼Ä»Û¹ñè)
0166 . S. DC-BC dcbc-402:DCBC
0167 (MDP_known_event)
0168 C.
0169 C.
0170 . C. ***** ÝÐÝ¹•İ Daily±;İÑñË'Ø¹ñèDCBC•x²è *****
0171 . S. DC-BC dcbc-153:DCBC
0172 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0173 C.
0174 C.
0175 . C. ;ãLOSÝÁÝSÝÄÝ-¼Ä»Û;ã
0176 C.
0177 . C. ***** LOS *****
0178 C.

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Apr 09, 19 11:40

## XRT\_OGLIST\_0166.chk

Page 1/5

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

2019/04/09	12:11:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	03	03	02	01	ca
2019/04/09	20:11:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	04	03	02	01	ca
2019/04/10	04:11:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	01	00	00	00	00
2019/04/10	05:23:00.0	XRT_TCIB_XRT_S_HTR_A_DIS_445_OG [0x1bd]							
		TCIB_XRT_S_HTR_A_DIS	0	04-C0					
2019/04/10	11:22:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/10	11:22:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/10	11:22:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2019/04/10	11:23:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00	00	00	00	00
2019/04/10	11:23:18.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2019/04/10	11:23:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2019/04/10	11:23:22.0	XRT_ARS_DIS_443_OG [0x1bb]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/04/10	11:25:58.0	XRT_QT_PROG_SET_431_OG [0x1af]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	06			
2019/04/10	11:26:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/04/10	11:32:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/10	11:32:56.0	XRT_FOCUS_POSITION_446_OG [0x1be]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2019/04/10	11:33:00.0	AOCS_ORe-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	00	2e	f9	2e	f9
2019/04/10	11:33:16.0	XRT_FLD_DIS_422_OG [0x1a6]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2019/04/10	11:33:18.0	XRT_FLRCTRL_DIS_427_OG [0x1ab]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2019/04/10	11:35:54.0	XRT_ARS_DIS_429_OG [0x1ad]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/04/10	11:35:56.0	XRT_QT_PROG_SET_414_OG [0x19e]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	07			
2019/04/10	11:36:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/04/10	11:42:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/10	11:42:56.0	XRT_FOCUS_POSITION_446_OG [0x1be]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2019/04/10	11:43:00.5	AOCS_ORe-point_Start_6_OG [0x09c]							
		AOCU_NM	5	02-76	00	2e	f9	d1	07
2019/04/10	11:43:16.0	XRT_FLD_DIS_422_OG [0x1a6]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2019/04/10	11:43:18.0	XRT_FLRCTRL_DIS_427_OG [0x1ab]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2019/04/10	11:45:54.0	XRT_ARS_DIS_441_OG [0x1b9]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/04/10	11:45:56.0	XRT_QT_PROG_SET_405_OG [0x195]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	01			
2019/04/10	11:46:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/04/10	11:52:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/10	11:52:56.0	XRT_FOCUS_POSITION_446_OG [0x1be]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2019/04/10	11:53:00.0	AOCS_ORe-point_Start_7_OG [0x09d]							
		AOCU_NM	5	02-76	00	d1	07	d1	07
2019/04/10	11:53:16.0	XRT_FLD_DIS_422_OG [0x1a6]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2019/04/10	11:53:18.0	XRT_FLRCTRL_DIS_427_OG [0x1ab]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2019/04/10	11:55:54.0	XRT_ARS_DIS_441_OG [0x1b9]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/04/10	11:55:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0e			
2019/04/10	11:56:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/04/10	12:02:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/10	12:02:56.0	XRT_FOCUS_POSITION_446_OG [0x1be]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2019/04/10	12:03:00.0	AOCS_ORe-point_Start_8_OG [0x09e]							
		AOCU_NM	5	02-76	00	d1	07	2e	f9
2019/04/10	12:03:16.0	XRT_FLD_DIS_422_OG [0x1a6]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2019/04/10	12:03:18.0	XRT_FLRCTRL_DIS_427_OG [0x1ab]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2019/04/10	12:05:54.0	XRT_ARS_DIS_441_OG [0x1b9]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/04/10	12:05:56.0	XRT_QT_PROG_SET_421_OG [0x1a5]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	05			
2019/04/10	12:06:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/04/10	12:13:00.0	AOCS_ORe-point_Start_9_OG [0x09f]							



2019/04/10	12:29:00.0	AOCs_OrE-point_Start_10_OG [0x0a0]	AOCu_NM	5	02-76	00	00	00	ac	cd
2019/04/10	12:44:54.0	XRT_CTRL_MANU_402_OG [0x192]	AOCu_NM	5	02-76	00	00	00	d6	67
2019/04/10	12:44:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/10	12:44:58.0	XRT_ROI_A_426_OG [0x1aa]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_ROI_SET	6	07-F0	cd	06	80	80	20 20
			MDP_XRT_ROI_SET	6	07-F0	cd	07	80	80	20 08
			MDP_XRT_ROI_SET	6	07-F0	cd	08	80	80	08 20
			MDP_XRT_ROI_SET	6	07-F0	cd	09	80	80	08 08
			MDP_XRT_ROI_SET	6	07-F0	cd	0d	80	60	20 18
			MDP_XRT_ROI_SET	6	07-F0	cd	0e	a0	80	18 20
			MDP_XRT_ROI_SET	6	07-F0	cd	0f	80	80	06 06
			MDP_XRT_ROI_SET	6	07-F0	cd	10	80	80	08 08
2019/04/10	12:45:00.0	AOCs_OrE-point_Start_4_OG [0x09a]	AOCu_NM	5	02-76	00	00	00	00	00
2019/04/10	12:45:03.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2019/04/10	12:45:23.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2019/04/10	12:45:25.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2019/04/10	12:45:27.0	XRT_ARS_DIS_443_OG [0x1bb]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/04/10	12:48:03.0	XRT_QT_PROG_SET_437_OG [0x1b5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	13			
2019/04/10	12:48:05.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/04/10	13:01:00.0	AOCs_OrE-point_Start_11_OG [0x0a1]	AOCu_NM	5	02-76	00	00	00	29	99
2019/04/10	13:17:00.0	AOCs_OrE-point_Start_12_OG [0x0a2]	AOCu_NM	5	02-76	00	00	00	53	33
2019/04/10	13:33:00.0	AOCs_OrE-point_Start_13_OG [0x0a3]	AOCu_NM	5	02-76	00	d6	36	b7	8e
2019/04/10	13:43:00.0	AOCs_OrE-point_Start_14_OG [0x0a4]	AOCu_NM	5	02-76	00	b4	b5	db	75
2019/04/10	13:59:00.0	AOCs_OrE-point_Start_15_OG [0x0a5]	AOCu_NM	5	02-76	00	ac	5b	00	00
2019/04/10	14:15:00.0	AOCs_OrE-point_Start_16_OG [0x0a6]	AOCu_NM	5	02-76	00	b4	b5	24	8b
2019/04/10	14:31:00.0	AOCs_OrE-point_Start_17_OG [0x0a7]	AOCu_NM	5	02-76	00	d6	36	48	72
2019/04/10	14:41:00.0	AOCs_OrE-point_Start_18_OG [0x0a8]	AOCu_NM	5	02-76	00	29	ca	b7	8e
2019/04/10	14:51:00.0	AOCs_OrE-point_Start_19_OG [0x0a9]	AOCu_NM	5	02-76	00	4b	4b	db	75
2019/04/10	15:07:00.0	AOCs_OrE-point_Start_20_OG [0x0aa]	AOCu_NM	5	02-76	00	53	a5	00	00
2019/04/10	15:29:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/10	15:29:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/10	15:29:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/04/10	15:29:06.0	XRT_PREFLR_STRT_428_OG [0x1ac]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/04/10	15:32:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/04/10	15:41:00.0	XRT_Custom_430_OG [0x1ae]								
2019/04/10	15:42:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/04/10	15:47:00.0	AOCs_OrE-point_Start_21_OG [0x0ab]	AOCu_NM	5	02-76	00	4b	4b	24	8b
2019/04/10	16:03:00.0	AOCs_OrE-point_Start_22_OG [0x0ac]	AOCu_NM	5	02-76	00	29	db	48	72
2019/04/10	16:11:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/10	16:11:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/10	16:11:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2019/04/10	16:12:00.5	AOCs_OrE-point_Start_23_OG [0x0ad]	AOCu_NM	5	02-76	00	ad	59	00	00
2019/04/10	16:12:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2019/04/10	16:12:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2019/04/10	16:12:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2019/04/10	16:12:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/04/10	16:12:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/04/10	16:14:56.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2019/04/10	16:14:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2019/04/10	16:15:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/04/10	18:11:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				

2019/04/10	18:11:56.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/10	18:11:58.0	XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2019/04/10	18:12:00.0	AOCS_OrE-point_Start_4_OG [0x09a] AOCU_NM	5	02-76	00 00 00 00 00
2019/04/10	18:12:18.0	XRT_FLD_DIS_409_OG [0x199] MDP_XRT_FLD_DIS	1	07-F0	d9
2019/04/10	18:12:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2019/04/10	18:12:22.0	XRT_ARS_DIS_443_OG [0x1bb] MDP_XRT_ARS_DIS	1	07-F0	d5
2019/04/10	18:14:58.0	XRT_QT_PROG_SET_431_OG [0x1af] MDP_XRT_QT_PROG_SET	2	07-F0	c4 06
2019/04/10	18:15:00.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/04/10	18:21:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/10	18:21:56.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/10	18:21:58.0	XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2019/04/10	18:22:00.0	AOCS_OrE-point_Start_24_OG [0x0ae] AOCU_NM	5	02-76	00 00 00 56 35
2019/04/10	18:22:18.0	XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA	1	07-F0	d8
2019/04/10	18:22:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2019/04/10	18:22:22.0	XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET	1	07-F0	d0
2019/04/10	18:22:24.0	XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS	1	07-F0	d5
2019/04/10	18:22:26.0	XRT_FLD_RESET_434_OG [0x1b2] MDP_XRT_FLD_RESET	1	07-F0	da
2019/04/10	18:24:56.0	XRT_QT_PROG_SET_432_OG [0x1b0] MDP_XRT_QT_PROG_SET	2	07-F0	c4 12
2019/04/10	18:24:58.0	XRT_FL_PROG_SET_440_OG [0x1b8] MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2019/04/10	18:25:00.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/04/10	20:21:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/10	20:21:56.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/10	20:21:58.0	XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2019/04/10	20:22:00.0	AOCS_OrE-point_Start_1_OG [0x097] AOCU_NM	5	02-76	03 03 02 01 ca
2019/04/10	20:22:18.0	XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA	1	07-F0	d8
2019/04/10	20:22:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2019/04/10	20:22:22.0	XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET	1	07-F0	d0
2019/04/10	20:22:24.0	XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS	1	07-F0	d5
2019/04/10	20:22:26.0	XRT_FLD_RESET_434_OG [0x1b2] MDP_XRT_FLD_RESET	1	07-F0	da
2019/04/10	20:24:56.0	XRT_QT_PROG_SET_449_OG [0x1c1] MDP_XRT_QT_PROG_SET	2	07-F0	c4 04
2019/04/10	20:24:58.0	XRT_FL_PROG_SET_440_OG [0x1b8] MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2019/04/10	20:41:30.0	XRT_Custom_430_OG [0x1ae]			
2019/04/10	20:42:30.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/04/10	21:55:00.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/10	21:55:02.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/10	21:55:04.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2019/04/10	21:55:06.0	XRT_PREFLR_STRT_428_OG [0x1ac] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/04/10	21:58:14.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/04/10	22:18:00.0	XRT_Custom_430_OG [0x1ae]			
2019/04/10	22:19:00.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/04/10	23:32:30.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/10	23:32:32.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/10	23:32:34.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2019/04/10	23:32:36.0	XRT_PREFLR_STRT_428_OG [0x1ac] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/04/10	23:35:44.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/04/10	23:52:30.0	XRT_Custom_430_OG [0x1ae]			
2019/04/10	23:53:30.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/04/11	01:09:30.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1

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2019/04/11	01:09:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/11	01:09:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/04/11	01:09:36.0	XRT_PREFLR_STRT_428_OG [0x1ac]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/04/11	01:12:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/04/11	01:16:30.0	XRT_Custom_430_OG [0x1ae]							
2019/04/11	01:17:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/04/11	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/11	01:59:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/11	01:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/04/11	02:00:00.0	AOCS_Ore-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2019/04/11	02:00:18.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2019/04/11	02:00:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2019/04/11	02:00:22.0	XRT_ARS_DIS_443_OG [0x1bb]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/04/11	02:02:58.0	XRT_QT_PROG_SET_431_OG [0x1af]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 06				
2019/04/11	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/04/11	02:09:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/11	02:09:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/11	02:09:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/04/11	02:10:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	04 03 02 01 ca				
2019/04/11	02:10:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2019/04/11	02:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2019/04/11	02:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2019/04/11	02:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/04/11	02:10:26.0	XRT_FLD_RESET_434_OG [0x1b2]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/04/11	02:12:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 04				
2019/04/11	02:12:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d				
2019/04/11	02:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/04/11	02:32:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/11	02:32:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/11	02:32:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/04/11	02:32:36.0	XRT_PREFLR_STRT_428_OG [0x1ac]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/04/11	02:35:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/04/11	02:52:00.0	XRT_Custom_430_OG [0x1ae]							
2019/04/11	02:53:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/04/11	04:05:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/11	04:05:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/11	04:05:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/04/11	04:05:36.0	XRT_PREFLR_STRT_428_OG [0x1ac]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/04/11	04:08:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/04/11	04:29:00.0	XRT_Custom_430_OG [0x1ae]							
2019/04/11	04:30:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/04/11	05:39:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/11	05:39:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/04/11	05:39:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/04/11	05:39:06.0	XRT_PREFLR_STRT_428_OG [0x1ac]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/04/11	05:42:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/04/11	06:06:30.5	XRT_Custom_430_OG [0x1ae]							
2019/04/11	06:07:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/04/11	06:15:54.0	XRT_CTRL_MANU_402_OG [0x192]							

2019/04/11	06:15:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/11	06:15:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/11	06:16:00.0	AOCS_Ore-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2019/04/11	06:16:18.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	00 00 00 00 00
2019/04/11	06:16:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9
2019/04/11	06:16:22.0	XRT_ARS_DIS_443_OG [0x1bb]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2019/04/11	06:18:58.0	XRT_QT_PROG_SET_431_OG [0x1af]	MDP_XRT_ARS_DIS	1	07-F0	d5
2019/04/11	06:19:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06
2019/04/11	06:25:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/04/11	06:25:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/11	06:25:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/11	06:26:00.0	AOCS_Ore-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2019/04/11	06:26:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	01 00 00 00 00
2019/04/11	06:26:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2019/04/11	06:26:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2019/04/11	06:26:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2019/04/11	06:26:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5
2019/04/11	06:28:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/04/11	06:28:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 04
2019/04/11	06:29:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2019/04/11	07:19:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/04/11	07:19:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/11	07:19:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/11	07:19:36.0	XRT_PREFLR_STRT_428_OG [0x1ac]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/04/11	07:22:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/04/11	07:44:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/04/11	07:45:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2019/04/11	08:59:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/04/11	08:59:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/11	08:59:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/04/11	08:59:06.0	XRT_PREFLR_STRT_428_OG [0x1ac]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/04/11	09:02:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/04/11	09:20:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/04/11	09:21:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2019/04/11	10:20:00.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/04/11	10:40:00.0	AOCS_Ore-point_Start_4_OG [0x09a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
		AOCU_NM		5	02-76	00 00 00 00 00