

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3368 - L2 Version 4
Chandra X-Ray Center

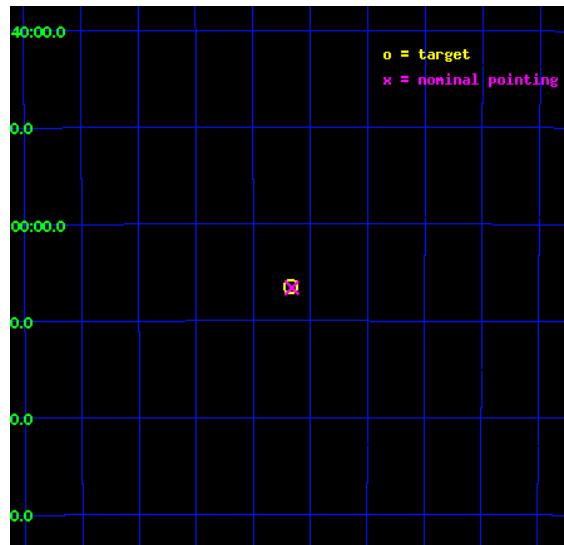
L2 Processing Date : Sep 24 2012

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1 Front

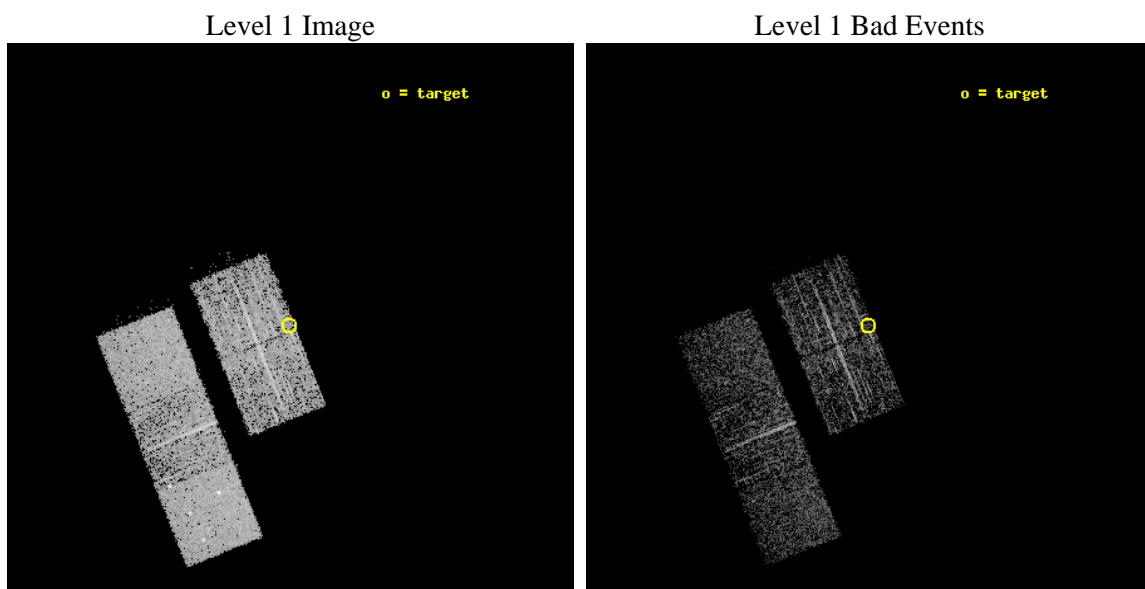
seq_num	190007	Sequence number
obs_id	3368	Observation id
title	ACIS DARK CURRENT CALIBARTION ON DARK MOON	Proposal title
observer	DR. SCOTT WOLK	Principal investigator
object	DARK MOON	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	235.7937	Observer's specified target RA [deg]
dec_targ	-37.10799	Observer's specified target Dec [deg]
ra_nom	235.79027163059	Nominal RA [deg]
dec_nom	-37.110005042689	Nominal Dec [deg]
roll_nom	248.19830084308	Nominal Roll [deg]
revision	4	Processing version of data
ontime	0.0	Sum of GTIs [s]
livetime	0.0	Livetime [s]
ontime2	0.0	Sum of GTIs [s]
ontime3	0.0	Sum of GTIs [s]
ontime5	0.0	Sum of GTIs [s]
ontime6	0.0	Sum of GTIs [s]
ontime7	0.0	Sum of GTIs [s]
l2events	0	Number of level 2 events



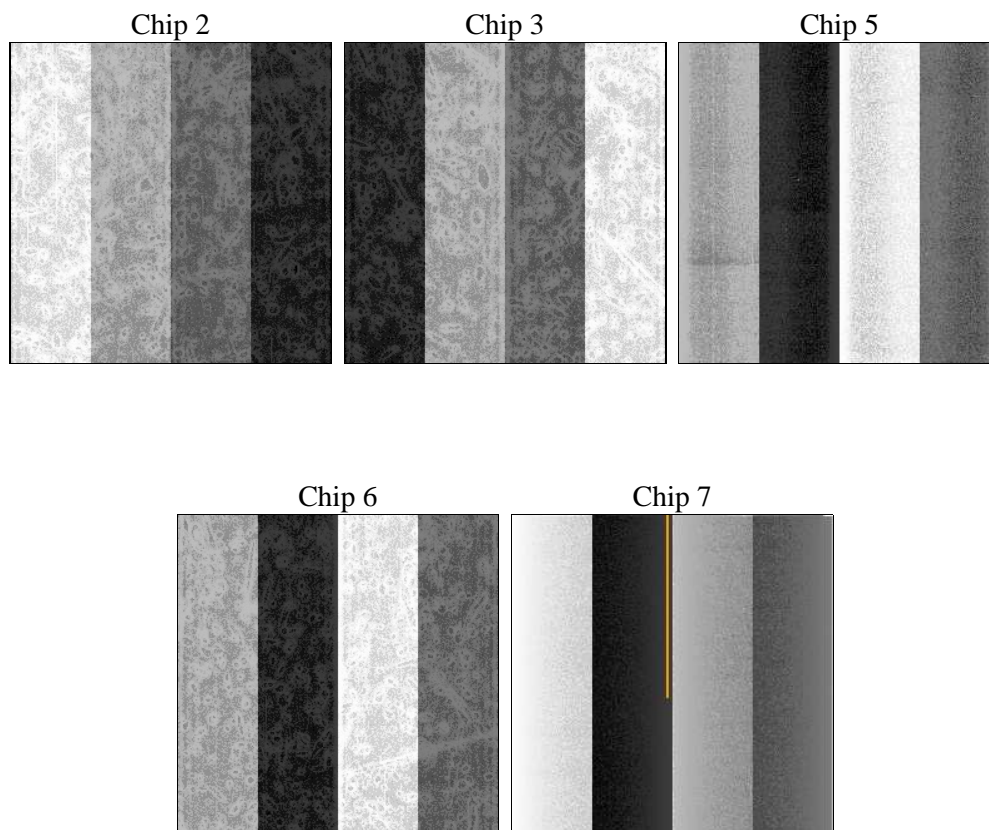
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2209.443000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	0.0	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	2266.327363342	Sum of GTIs [s]
date	2012-09-24T12:02:50	Date and time of file creation	ontime3	2269.4272836	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	2269.3862735182	Sum of GTIs [s]
			ontime6	2269.5093635917	Sum of GTIs [s]
			ontime7	2267.801289618	Sum of GTIs [s]
			l1events	87001	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	15465	15546	22088	14824	19078
rejected events	13890	13876	11350	13133	11146
rejected %	89%	89%	51%	88%	58%

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	663	645	1784	655	773
	4%	4%	8%	4%	4%
grade 1 events	8	5	36	6	11
	0%	0%	0%	0%	0%
grade 2 events	336	338	2896	365	1544
	2%	2%	13%	2%	8%
grade 3 events	145	180	485	162	711
	0%	1%	2%	1%	3%
grade 4 events	166	176	459	176	659
	1%	1%	2%	1%	3%
grade 5 events	497	602	1546	625	1801
	3%	3%	6%	4%	9%
grade 6 events	265	331	5114	333	4245
	1%	2%	23%	2%	22%
grade 7 events	13385	13269	9768	12502	9334
	86%	85%	44%	84%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	235.7902729006576	235.7902716305934	Subarray requested	NONE	NONE
[deg] Pointing Dec	-37.11000508873662	-37.11000504268861	Alternating exposures requested	N	N
[deg] Pointing Roll	248.1983015957504	248.1983008430838	[s] Primary exposure time	3.1	3.1
[s] Window start time (MET)	117525664.184000	117525664.184000			
[s] Window stop time (MET)	117568864.184000	117568864.184000			
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673			
[mm] SIM defocus	0.001439854621703041	0.001439854621703041			
[mm] SIM translation stage pos	-233.5874344608	-233.5874344608			
[mm] SIM translation stage offset	-0.005028630631784381	-0.005028630631784381			
[s] Observation start time (MET)	117532804.3272197	117532804.3272197			
Observation start date	2001-09-22T08:00:00	2001-09-22T08:00:04			
[s] Observation end time (MET)	117535140.3023121	117535140.3023121			
Observation end date	2001-09-22T08:36:49	2001-09-22T08:39:00			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.2

A.2 Comments

Charge time remains at previous value of 2.2 ksec. Charge time is based on Level 1 events because the OBC aspect solution was used (violation of earth angle constraint.) Consequently, there are no Level 2 events and no GTI. Window constraint met.