

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2493 - L2 Version 4
Chandra X-Ray Center

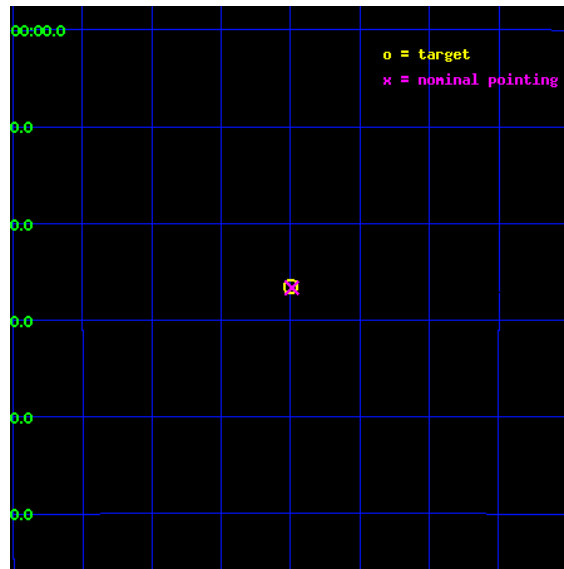
L2 Processing Date : Sep 21 2012

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1 Front

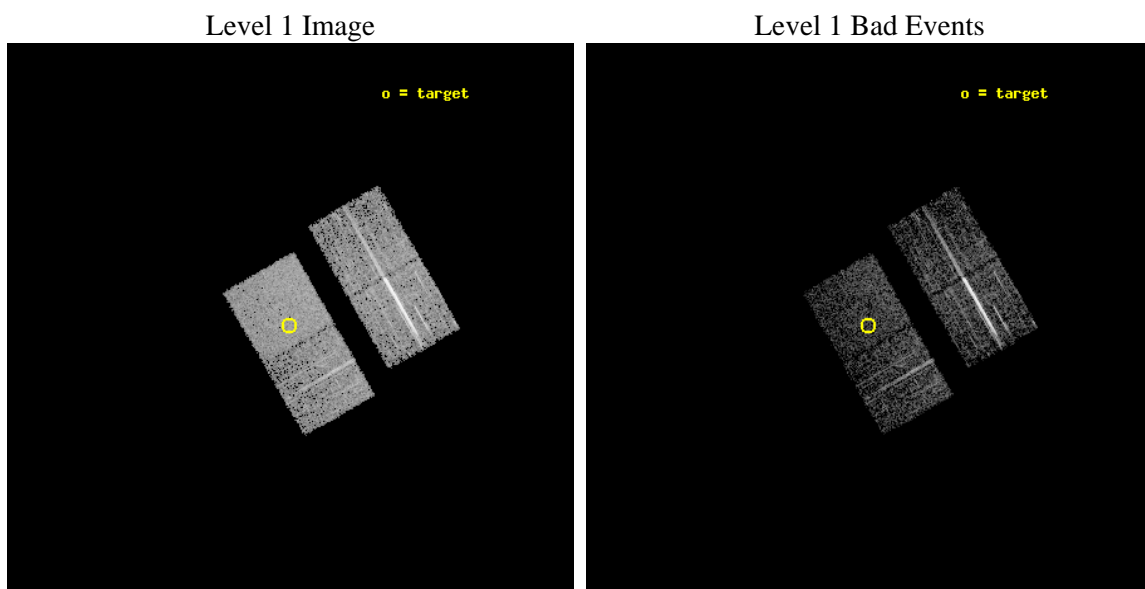
seq_num	190008	Sequence number
obs_id	2493	Observation id
title	ACIS DARK CURRENT CALIBARTION ON DARK MOON	Proposal title
observer	DR. SCOTT WOLK	Principal investigator
object	DARK MOON	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	181.625	Observer's specified target RA [deg]
dec_targ	-14.442758	Observer's specified target Dec [deg]
ra_nom	181.62279541861	Nominal RA [deg]
dec_nom	-14.44443876217	Nominal Dec [deg]
roll_nom	240.09760323781	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]
ontime6	0.0	Sum of GTIs [s]
ontime7	0.0	Sum of GTIs [s]
l2events	0	Number of level 2 events



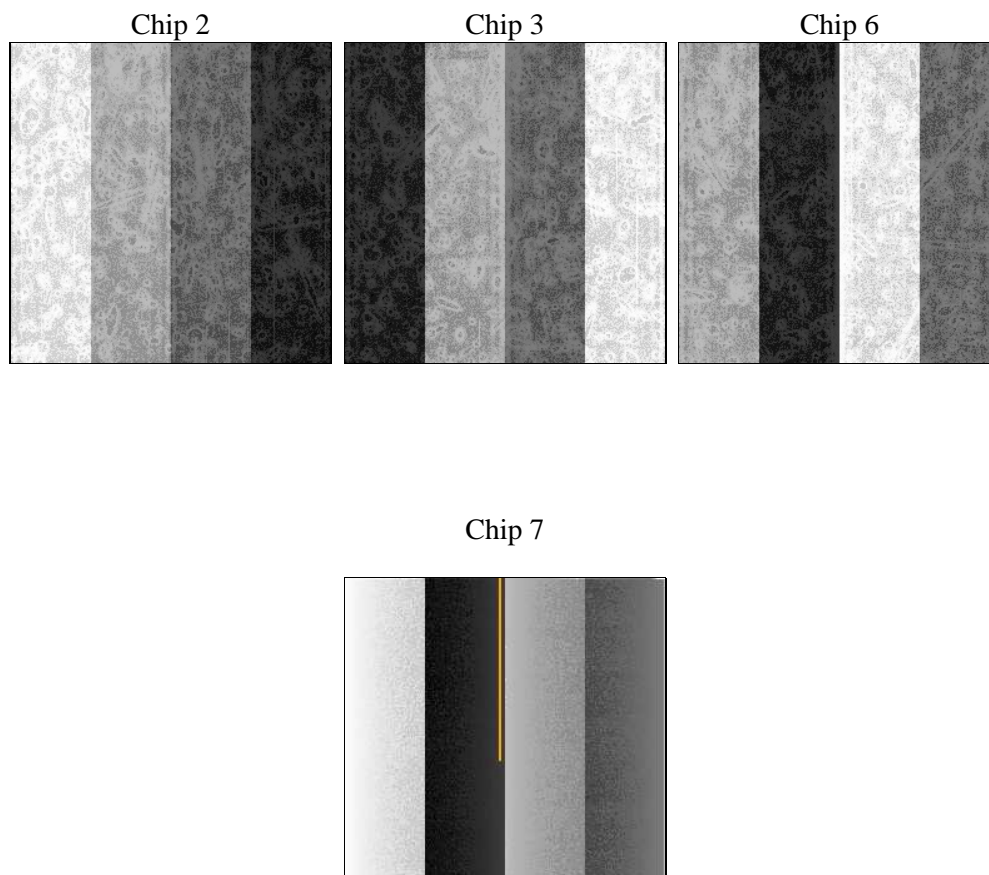
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3000.000000	[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	3024.114800781	Sum of GTIs [s]
date	2012-09-21T12:14:41	Date and time of file creation	ontime3	3024.0737607926	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	3024.0327207893	Sum of GTIs [s]
			ontime7	3023.9917107075	Sum of GTIs [s]
			l1events	102212	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	35882	20609	20383	25338
rejected events	33801	18394	18149	15028
rejected %	94%	89%	89%	59%

	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	849	971	861	860
	2%	4%	4%	3%
grade 1 events	48	8	6	28
	0%	0%	0%	0%
grade 2 events	475	455	435	2047
	1%	2%	2%	8%
grade 3 events	177	196	228	941
	0%	0%	1%	3%
grade 4 events	215	214	227	886
	0%	1%	1%	3%
grade 5 events	540	722	817	2364
	1%	3%	4%	9%
grade 6 events	365	379	483	5576
	1%	1%	2%	22%
grade 7 events	33213	17664	17326	12636
	92%	85%	85%	49%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-2367	ACIS-2367
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	181.6227954186128	181.6227954186128
[deg] Pointing Dec	-14.44443876216991	-14.44443876216991
[deg] Pointing Roll	240.0976032378146	240.0976032378146
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.001444942264670734	0.001444942264670734
[mm] SIM translation stage pos	-190.1400660499	-190.1400660499
[mm] SIM translation stage offset	0.007542945932812017	0.007542945932812017
[s] Observation start time (MET)	112518469.2793535	112518469.2793535
Observation start date	2001-07-26T07:07:08	2001-07-26T07:07:49
[s] Observation end time (MET)	112521531.9794733	112521531.9794733
Observation end date	2001-07-26T07:57:08	2001-07-26T07:58:51
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.1	3.1

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3

A.2 Comments

Charge time remains at previous value of 3 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.