

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2488 - L2 Version 5
Chandra X-Ray Center

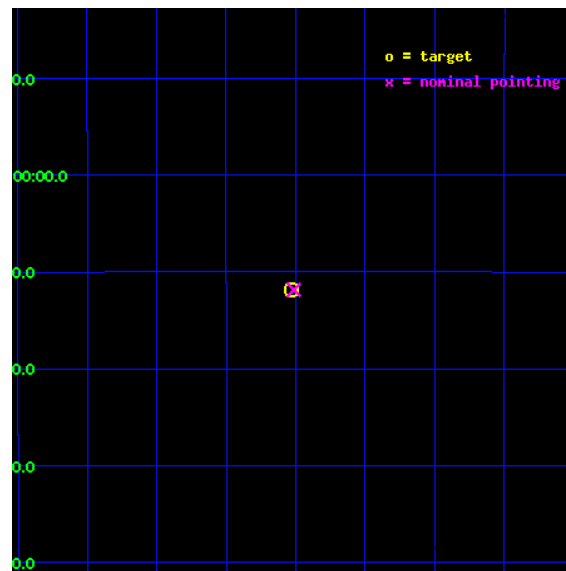
L2 Processing Date : Sep 21 2012

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1 Front

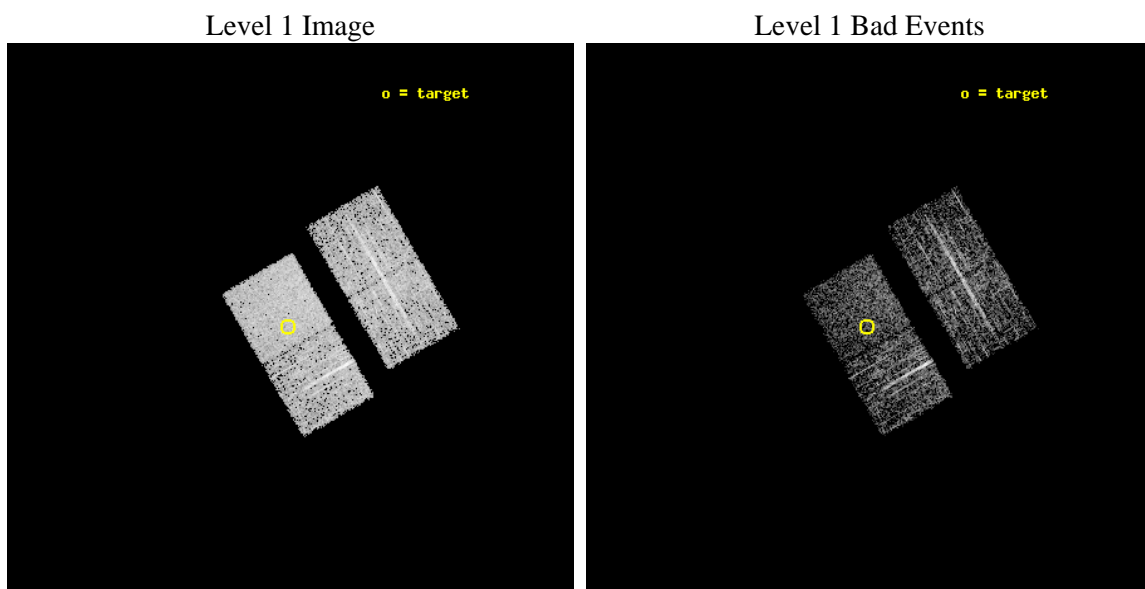
seq_num	190008	Sequence number
obs_id	2488	Observation id
title	ACIS DARK CURRENT CALIBARTION ON DARK MOON	Proposal title
observer	DR. SCOTT WOLK	Principal investigator
object	DARK MOON	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	180.882247	Observer's specified target RA [deg]
dec_targ	-14.197494	Observer's specified target Dec [deg]
ra_nom	180.87830298439	Nominal RA [deg]
dec_nom	-14.19761668379	Nominal Dec [deg]
roll_nom	239.87458383529	Nominal Roll [deg]
revision	5	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



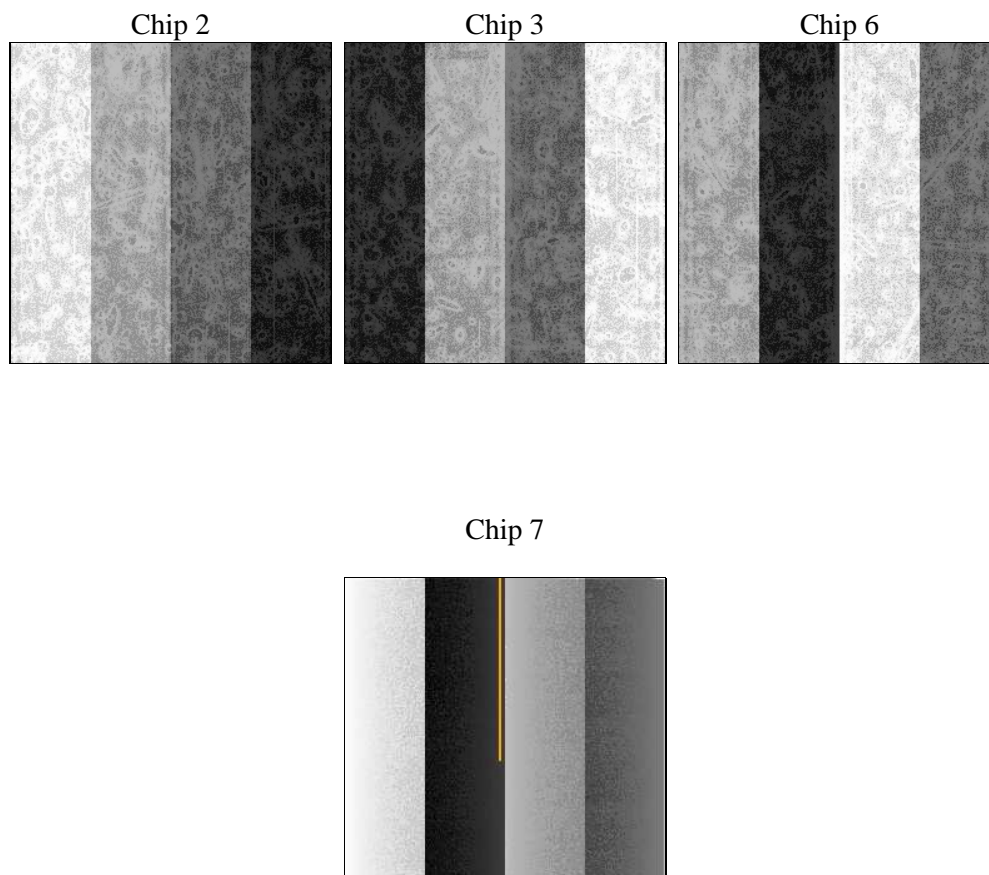
2 OBI

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	2744.5850945562	Sum of GTIs [s]
date	2012-09-21T12:11:56	Date and time of file creation	ontime3	2735.2031441331	Sum of GTIs [s]
revision	5	Processing version of data	ontime6	2744.6671745479	Sum of GTIs [s]
			ontime7	2744.7082145512	Sum of GTIs [s]
			l1events	78318	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	18442	17950	19090	22836
rejected events	16332	15879	17124	13424
rejected %	88%	88%	89%	58%

	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	962	929	743	833
	5%	5%	3%	3%
grade 1 events	9	6	8	34
	0%	0%	0%	0%
grade 2 events	411	356	392	1813
	2%	1%	2%	7%
grade 3 events	192	205	222	842
	1%	1%	1%	3%
grade 4 events	189	198	209	850
	1%	1%	1%	3%
grade 5 events	526	651	785	2201
	2%	3%	4%	9%
grade 6 events	356	383	400	5074
	1%	2%	2%	22%
grade 7 events	15797	15222	16331	11189
	85%	84%	85%	48%

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	180.8783029843918	180.8783029843917
[deg] Pointing Dec	-14.1976166837903	-14.19761668379033
[deg] Pointing Roll	239.8745838352942	239.8745838352942
[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)	112507654.5039306	112507654.5039306
Observation start date	2001-07-26T04:06:36	2001-07-26T04:07:34
[s] Observation end time (MET)	112510605.479046	112510605.479046
Observation end date	2001-07-26T04:56:36	2001-07-26T04:56:45
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	2.8

A.2 Comments

Charge time remains at previous value of 2.8 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.