

V&V Reference Report

L2 ASCDS Version : 8.3.2

Observation 62726 - L2 Version 5

Chandra X-Ray Center

L2 Processing Date : Aug 15 2010

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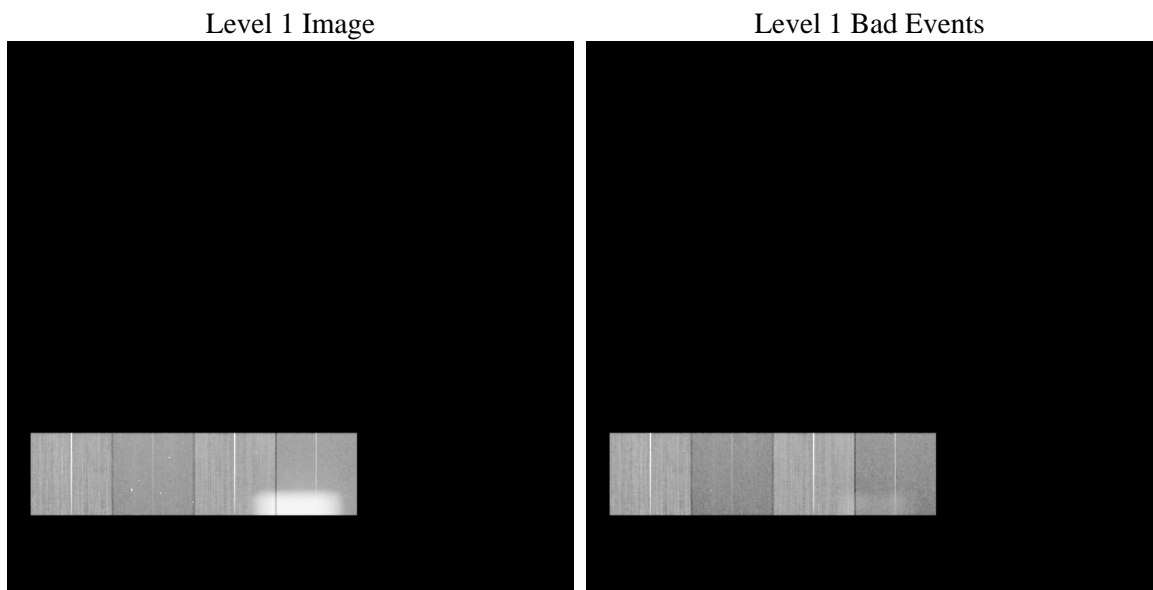
1 Front

seq_num	0	Sequence number
obs_id	62726	Observation id
title	ACIS internal cal; dark current; ACA images	Proposal title
observer	CHANDRA orbital activation and checkout	Principal investigator
object	 	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	231.22282373423	Nominal RA
dec_nom	-11.527163577488	Nominal Dec
roll_nom	254.80506627826	Nominal Roll
revision	5	Processing version of data
ontime	20133.299981818	Sum of GTIs [s]
livetime	19885.990571797	Livetime [s]
ontime4	20133.299981818	Sum of GTIs [s]
ontime5	20129.959041521	Sum of GTIs [s]
ontime6	20133.299981818	Sum of GTIs [s]
ontime7	20133.299981818	Sum of GTIs [s]
ontime8	20133.299981818	Sum of GTIs [s]
ontime9	20133.299981818	Sum of GTIs [s]
l2events	1546042	Number of level 2 events

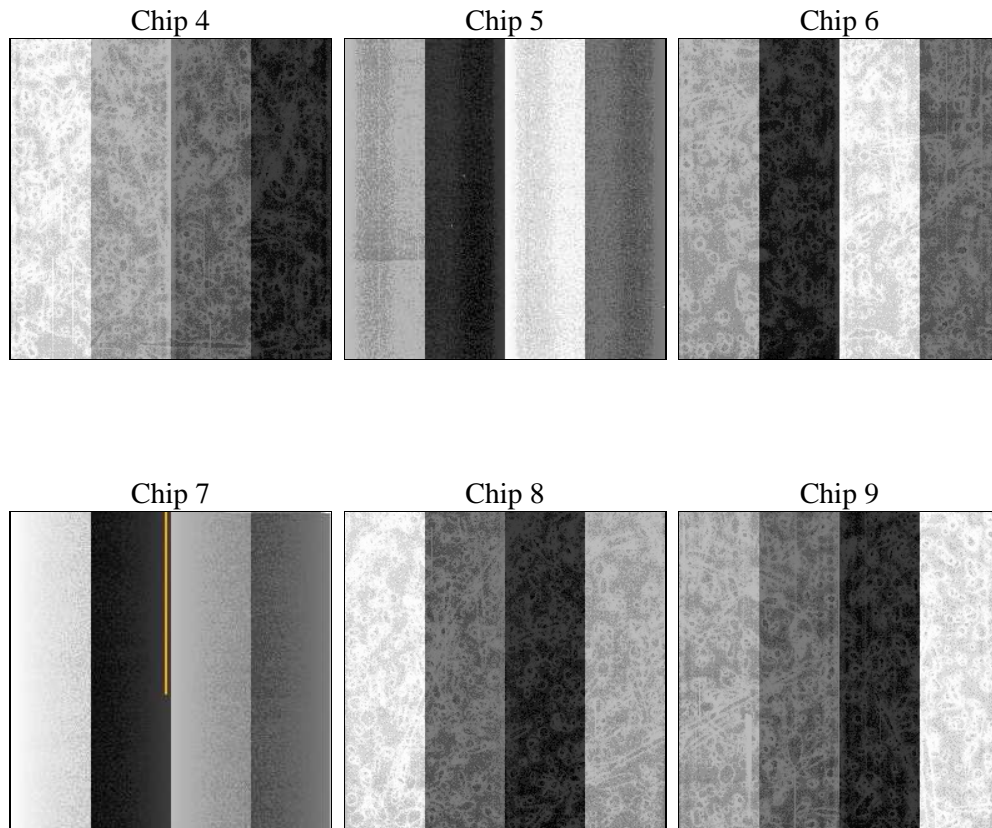
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.3.2	ASCDS version number
caldsver	4.3.0	
date	2010-08-15T14:28:51	Date and time of file creation
revision	4	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	20133.299981818	Sum of GTIs [s]
ontime4	20133.299981818	Sum of GTIs [s]
ontime5	20129.959041521	Sum of GTIs [s]
ontime6	20133.299981818	Sum of GTIs [s]
ontime7	20133.299981818	Sum of GTIs [s]
ontime8	20133.299981818	Sum of GTIs [s]
ontime9	20133.299981818	Sum of GTIs [s]
l1events	3045904	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	540151	317756	775524	1412473	0	0
rejected events	518444	201400	528072	229791	0	0
rejected %	95%	63%	68%	16%	0%	0%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	9481	10291	107237	250286	0	0
	1%	3%	13%	17%	0%	0%
grade 1 events	120	497	880	1251	0	0
	0%	0%	0%	0%	0%	0%
grade 2 events	4833	35236	46169	280378	0	0
	0%	11%	5%	19%	0%	0%
grade 3 events	2010	2818	17575	99566	0	0
	0%	0%	2%	7%	0%	0%
grade 4 events	2008	2791	17920	97602	0	0
	0%	0%	2%	6%	0%	0%
grade 5 events	4974	12101	7592	23058	0	0
	0%	3%	0%	1%	0%	0%
grade 6 events	3377	65241	58589	455043	0	0
	0%	20%	7%	32%	0%	0%
grade 7 events	513348	188781	519562	205289	0	0
	95%	59%	66%	14%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	231.222823734235	Alternating exposures requested	N	N
Pointing Dec	0	-11.52716357748758	Primary exposure time	0.000000	3.3
Pointing Roll	0.0	254.8050662782642			
SIM focus pos (mm)	-0.684267	0.255451383487682			
SIM defocus (mm)	0	0.9397188447875782			
SIM translation stage pos (mm)	-190.132523	-190.1325231039672			
SIM translation stage offset (mm)	0	5.209593894051068e-07			
Observation start time	50224200.027	50224199.058965			
Observation start date	1999-08-05T07:10:00	1999-08-05T07:09:59			
Observation end time	50246137.132	50246136.109741			
Observation end date	1999-08-05T13:15:37	1999-08-05T13:15:36			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.08.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.133299981818

A.2 Comments

This ACIS internal calibration observation was acquired before the ACIS door was open. A reflection of the door is visible in the image.

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Chips 8 and 9 were not telemetered.

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Focal plane temperature is warmer than -118.7 C degrees during this observation. The ACIS spectral response calibration for the front-illuminated chips is less accurate at these warmer temperatures than it is at -119.7 C. The back-illuminated chips are not affected at the focal plane temperatures recorded for this observation.