

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 62529 - L2 Version 3

Chandra X-Ray Center

L2 Processing Date : Sep 23 2010

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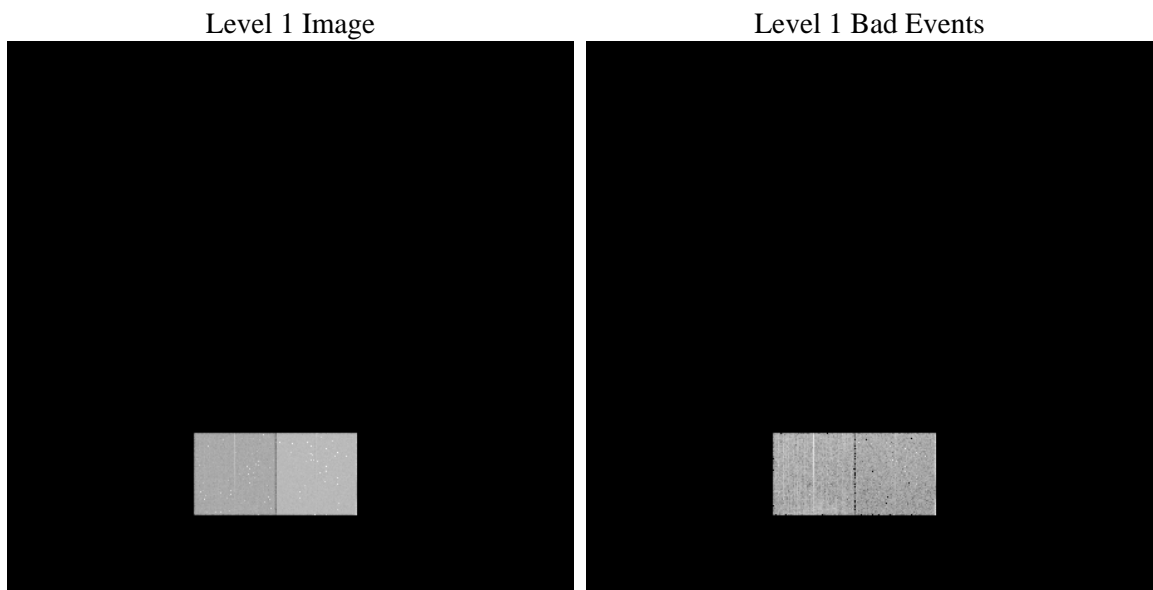
1 Front

seq_num	 	Sequence number
obs_id	62529	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
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	119.99404092767	Nominal RA
dec_nom	-66.595076286298	Nominal Dec
roll_nom	122.89645474502	Nominal Roll
revision	3	Processing version of data
ontime	3564.1807921752	Sum of GTIs [s]
livetime	3519.0489888927	Livetime [s]
ontime4	1682.0927205309	Sum of GTIs [s]
ontime5	1127.8774033263	Sum of GTIs [s]
ontime6	1908.9633263126	Sum of GTIs [s]
ontime7	3564.1807921752	Sum of GTIs [s]
ontime8	1895.9990766272	Sum of GTIs [s]
ontime9	1875.474870123	Sum of GTIs [s]
l2events	535460	Number of level 2 events

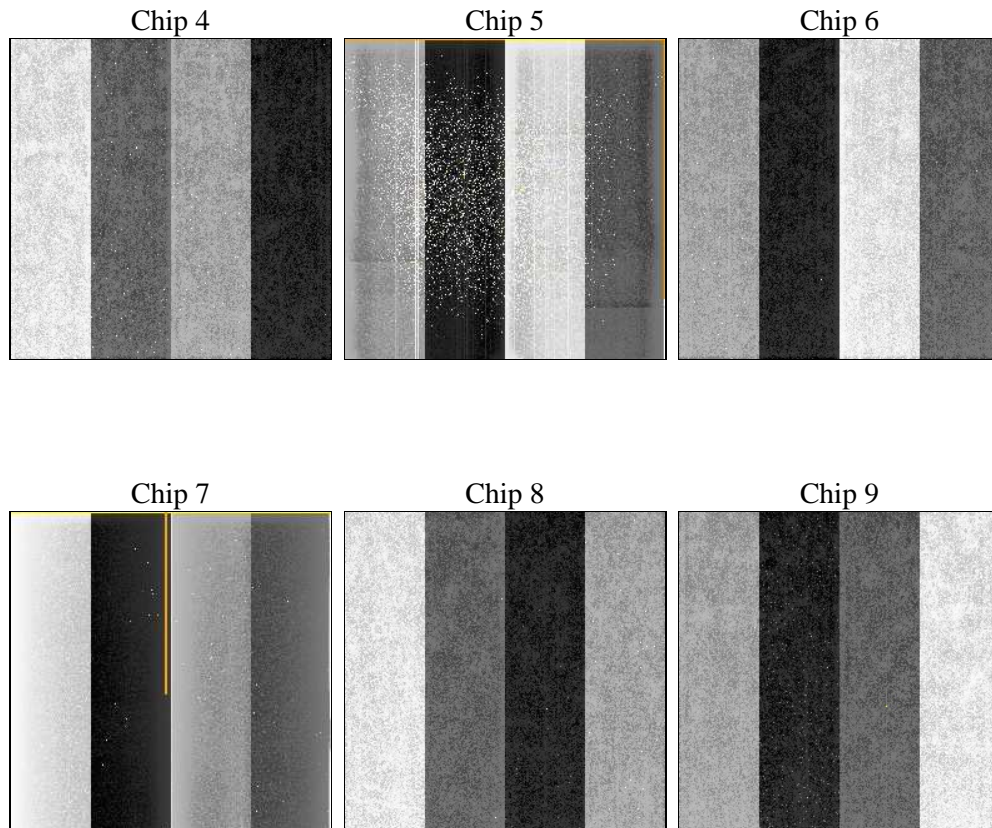
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number		
ascdsver	8.3.2.1	ASCDS version number	sched_exp_time	0.0
caldbver	4.3.1	 		Scheduled observation exposure time
date	2010-09-23T17:08:56	Date and time of file creation	ontime	3564.1807921752
revision	3	Processing version of data	ontime4	1682.0927205309
			ontime5	1127.8774033263
			ontime6	1908.9633263126
			ontime7	3564.1807921752
			ontime8	1895.9990766272
			ontime9	1875.474870123
			l1events	686844
				Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	0	0	249183	437661	0	0
rejected events	0	0	49548	40360	0	0
rejected %	0%	0%	19%	9%	0%	0%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	0	0	103430	106837	0	0
	0%	0%	41%	24%	0%	0%
grade 1 events	0	0	967	2203	0	0
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	45362	88499	0	0
	0%	0%	18%	20%	0%	0%
grade 3 events	0	0	10579	38662	0	0
	0%	0%	4%	8%	0%	0%
grade 4 events	0	0	10615	38943	0	0
	0%	0%	4%	8%	0%	0%
grade 5 events	0	0	2246	6929	0	0
	0%	0%	0%	1%	0%	0%
grade 6 events	0	0	34111	134663	0	0
	0%	0%	13%	30%	0%	0%
grade 7 events	0	0	41873	20925	0	0
	0%	0%	16%	4%	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	119.9940409276692	Alternating exposures requested	N	N
Pointing Dec	0	-66.59507628629768	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	122.8964547450168			
SIM focus pos (mm)	-0.684267	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	54090159.099	54090158.330787			
Observation start date	1999-09-19T01:02:39	1999-09-19T01:02:38			
Observation end time	54095558.799	54095558.030981			
Observation end date	1999-09-19T02:32:39	1999-09-19T02:32:38			
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)	2010.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.5641807921752

A.2 Comments

Only chips 6 and 7 were telemetered.

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The ACIS focal plane temperature is warmer than -118.7 C degrees during the interval 54091900.73 - 54095462.33 (MET s) of this observation. This temperature is the upper limit of the verified ACIS calibration for the front-illuminated chips. The focal plane temperature is warmer than -116.7 C during the interval 54091900.73 - 54095462.33 (MET s) of this observation. This temperature is the upper limit of the verified ACIS calibration for the back-illuminated chips. The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C.