

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 62532 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Sep 23 2010

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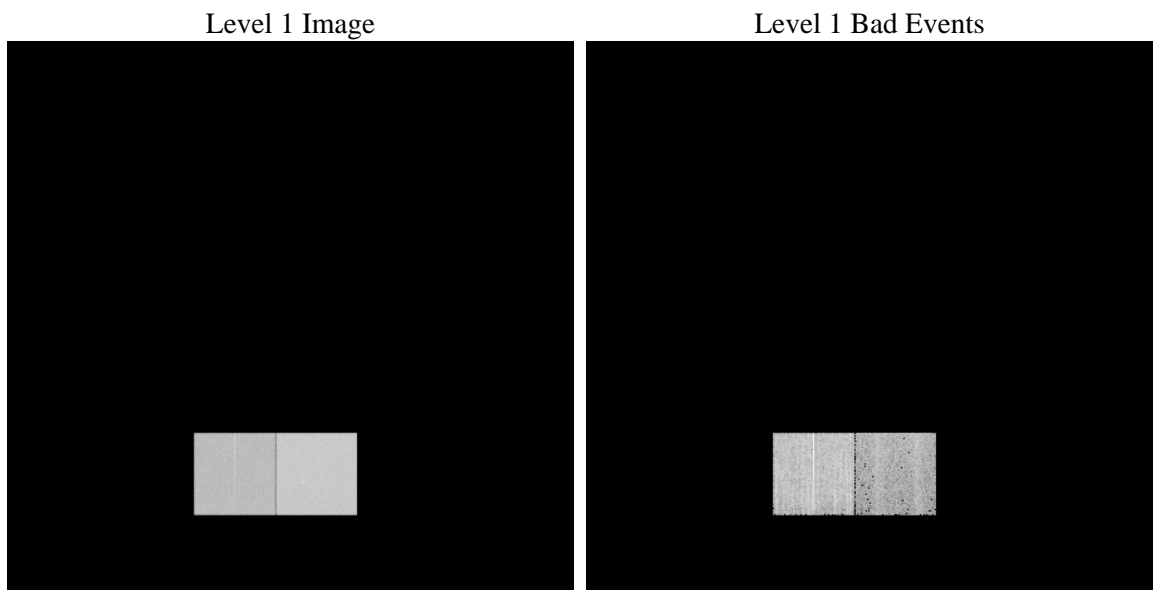
1 Front

seq_num	 	Sequence number
obs_id	62532	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	119.99398846282	Nominal RA
dec_nom	-66.595198365401	Nominal Dec
roll_nom	122.89640655297	Nominal Roll
revision	3	Processing version of data
ontime	3929.1510923132	Sum of GTIs [s]
livetime	3879.3978153316	Livetime [s]
ontime4	2305.3482798636	Sum of GTIs [s]
ontime5	3929.1100523099	Sum of GTIs [s]
ontime6	2609.8766658083	Sum of GTIs [s]
ontime7	3929.1510923132	Sum of GTIs [s]
ontime8	2657.6316073611	Sum of GTIs [s]
ontime9	2528.8933715299	Sum of GTIs [s]
l2events	638576	Number of level 2 events

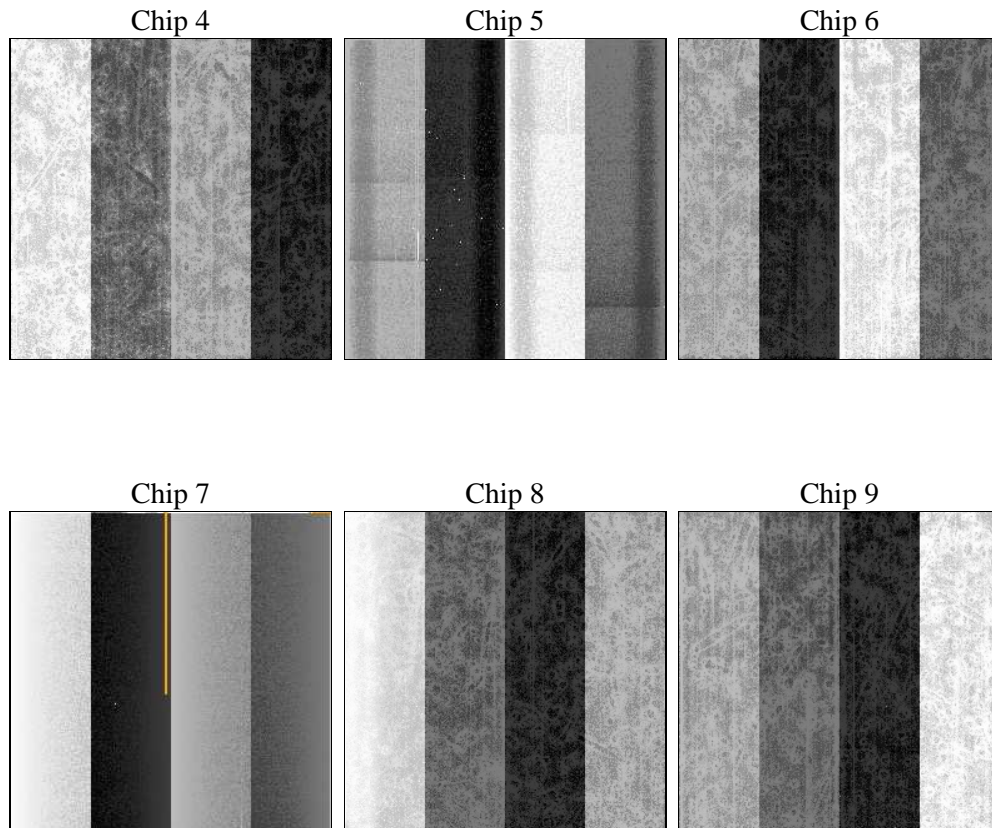
2 OBI

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
caldsver	4.3.1	
date	2010-09-23T16:50:12	Date and time of file creation
revision	3	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	3929.1510923132	Sum of GTIs [s]
ontime4	2305.3482798636	Sum of GTIs [s]
ontime5	3929.1100523099	Sum of GTIs [s]
ontime6	2609.8766658083	Sum of GTIs [s]
ontime7	3929.1510923132	Sum of GTIs [s]
ontime8	2657.6316073611	Sum of GTIs [s]
ontime9	2528.8933715299	Sum of GTIs [s]
l1events	727920	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	286733	441187	0	0
rejected events	0	0	53864	28021	0	0
rejected %	0%	0%	18%	6%	0%	0%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	0	0	25499	92411	0	0
	0%	0%	8%	20%	0%	0%
grade 1 events	0	0	144	283	0	0
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	154526	85294	0	0
	0%	0%	53%	19%	0%	0%
grade 3 events	0	0	2610	50007	0	0
	0%	0%	0%	11%	0%	0%
grade 4 events	0	0	2745	43062	0	0
	0%	0%	0%	9%	0%	0%
grade 5 events	0	0	2132	5327	0	0
	0%	0%	0%	1%	0%	0%
grade						

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	119.9939884628227	Alternating exposures requested	N	N
Pointing Dec	0	-66.59519836540051	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	122.8964065529664			
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	54068558.249	54068557.480012			
Observation start date	1999-09-18T19:02:38	1999-09-18T19:02:37			
Observation end time	54075757.849	54075757.08027			
Observation end date	1999-09-18T21:02:38	1999-09-18T21:02:37			
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	3.9291510923132

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 54070024.68 - 54073951.08 (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 54070024.68 - 54073951.08 (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.