

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 62401 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Sep 23 2010

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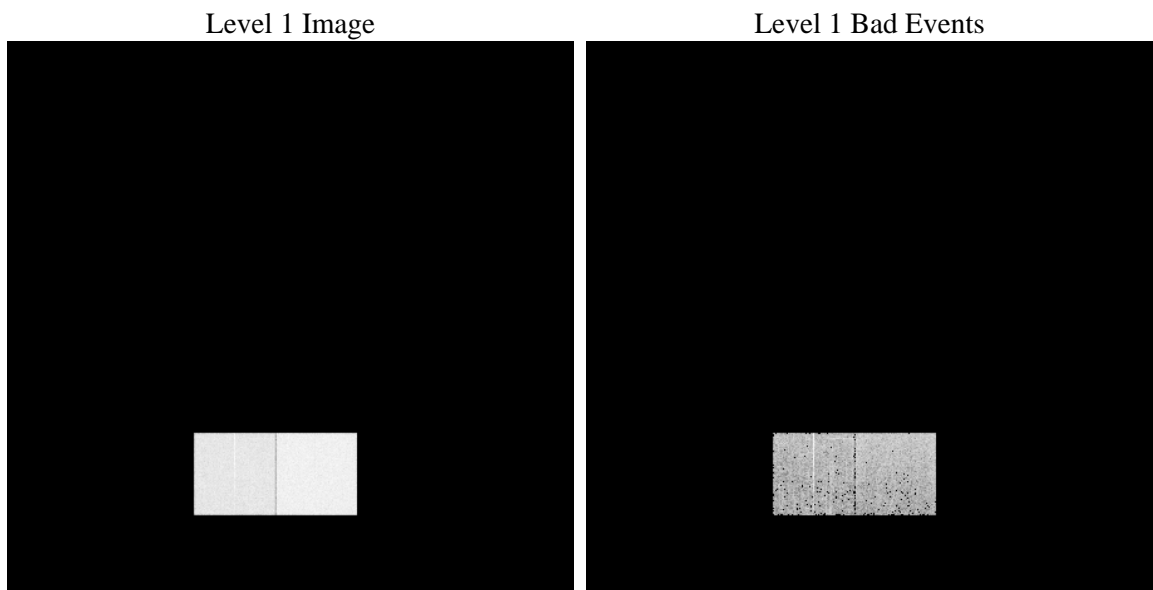
1 Front

seq_num	 	Sequence number
obs_id	62401	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	201.35888226603	Nominal RA
dec_nom	-43.022649901336	Nominal Dec
roll_nom	220.64256181306	Nominal Roll
revision	3	Processing version of data
ontime	2370.1852821186	Sum of GTIs [s]
livetime	2340.1725689222	Livetime [s]
ontime4	1500.5905793086	Sum of GTIs [s]
ontime5	2370.1442421153	Sum of GTIs [s]
ontime6	1650.4885241762	Sum of GTIs [s]
ontime7	2370.1852821186	Sum of GTIs [s]
ontime8	1618.1610522345	Sum of GTIs [s]
ontime9	1644.047893241	Sum of GTIs [s]
l2events	396527	Number of level 2 events

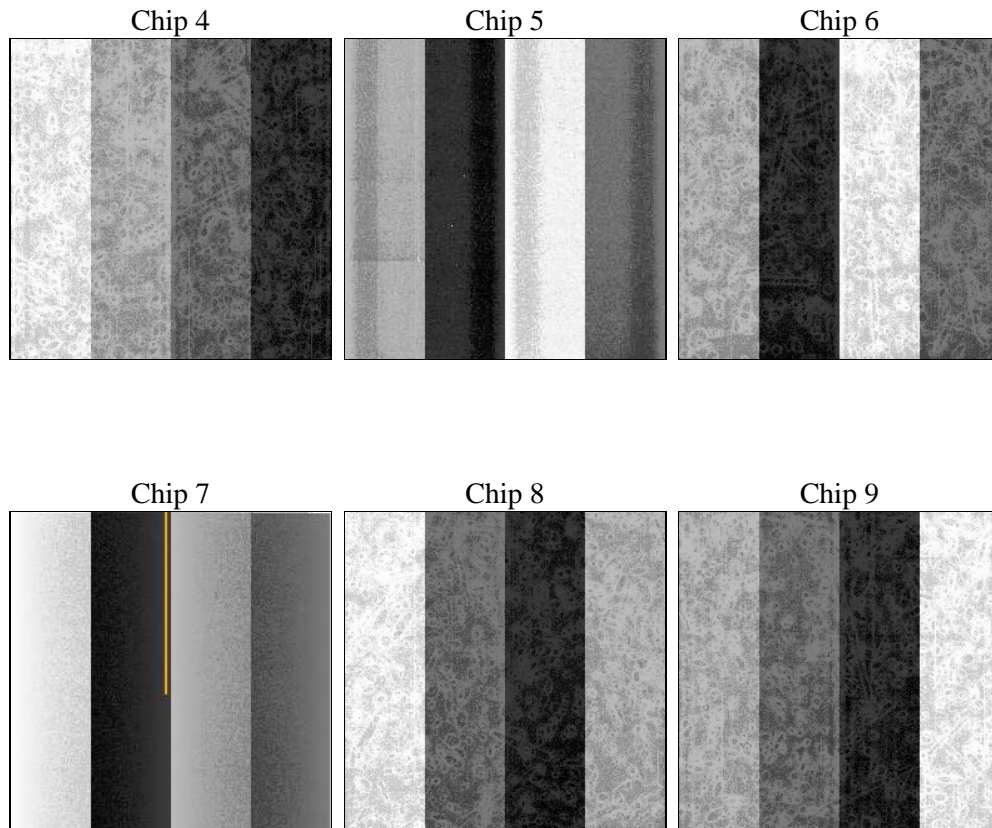
2 OBI

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	 		
date	2010-09-23T18:03:29	Date and time of file creation	ontime	2370.1852821186
revision	3	Processing version of data	ontime4	1500.5905793086
			ontime5	2370.1442421153
			ontime6	1650.4885241762
			ontime7	2370.1852821186
			ontime8	1618.1610522345
			ontime9	1644.047893241
			l1events	449252

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	0	0	188214	261038	0	0
rejected events	0	0	22925	25680	0	0
rejected %	0%	0%	12%	9%	0%	0%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	0	0	76408	43974	0	0
	0%	0%	40%	16%	0%	0%
grade 1 events	0	0	365	94	0	0
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	42248	65494	0	0
	0%	0%	22%	25%	0%	0%
grade 3 events	0	0	8550	20485	0	0
	0%	0%	4%	7%	0%	0%
grade 4 events	0	0	8835	18522	0	0
	0%	0%	4%	7%	0%	0%
grade 5 events	0	0	1509	3763	0	0
	0%	0%	0%	1%	0%	0%
grade 6 events	0	0	29762	87206	0	0
	0%	0%	15%	33%	0%	0%
grade 7 events	0	0	20537	21500	0	0
	0%	0%	10%	8%	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	201.3588822660267	Alternating exposures requested	N	N
Pointing Dec	0	-43.02264990133636	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	220.6425618130597			
SIM focus pos (mm)	-0.684267	-1.209467346227443			
SIM defocus (mm)	0	0.3238692931768539			
SIM translation stage pos (mm)	-190.132523	250.4459185577885			
SIM translation stage offset (mm)	0	0.01005983576618519			
Observation start time	53424620.425	53424619.656903			
Observation start date	1999-09-11T08:10:20	1999-09-11T08:10:19			
Observation end time	53429329.275	53429328.507072			
Observation end date	1999-09-11T09:28:49	1999-09-11T09:28:48			
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	2.3701852821186

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 53426266.06 - 53428691.66 (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 53426266.06 - 53428691.66 (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.