

V&V Reference Report

L2 ASCDS Version : 8.3.2

Observation 62769 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Aug 15 2010

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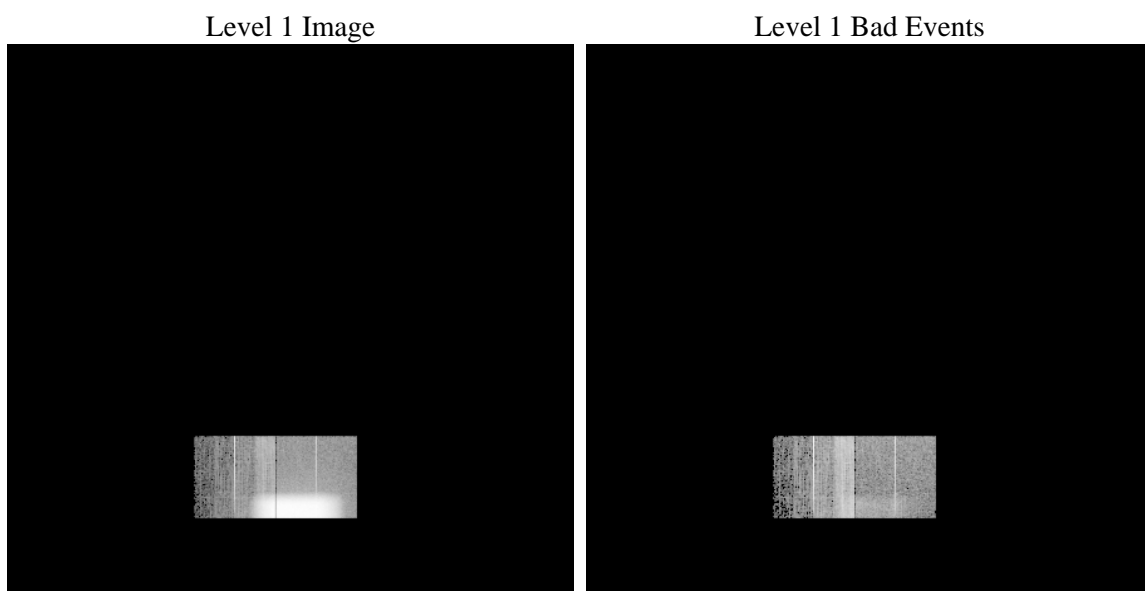
1 Front

seq_num	0	Sequence number
obs_id	62769	Observation id
title	ACIS-I internal cal, S2, S3	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	189.35283799603	Nominal RA
dec_nom	29.95469386839	Nominal Dec
roll_nom	257.7561843907	Nominal Roll
revision	4	Processing version of data
ontime	9461.0999914557	Sum of GTIs [s]
livetime	9344.8836206103	Livetime [s]
ontime0	9400.9646334052	Sum of GTIs [s]
ontime1	9407.6434711888	Sum of GTIs [s]
ontime2	9400.9645436108	Sum of GTIs [s]
ontime3	9410.9876636118	Sum of GTIs [s]
ontime6	9434.3749436066	Sum of GTIs [s]
ontime7	9461.0999914557	Sum of GTIs [s]
l2events	647835	Number of level 2 events

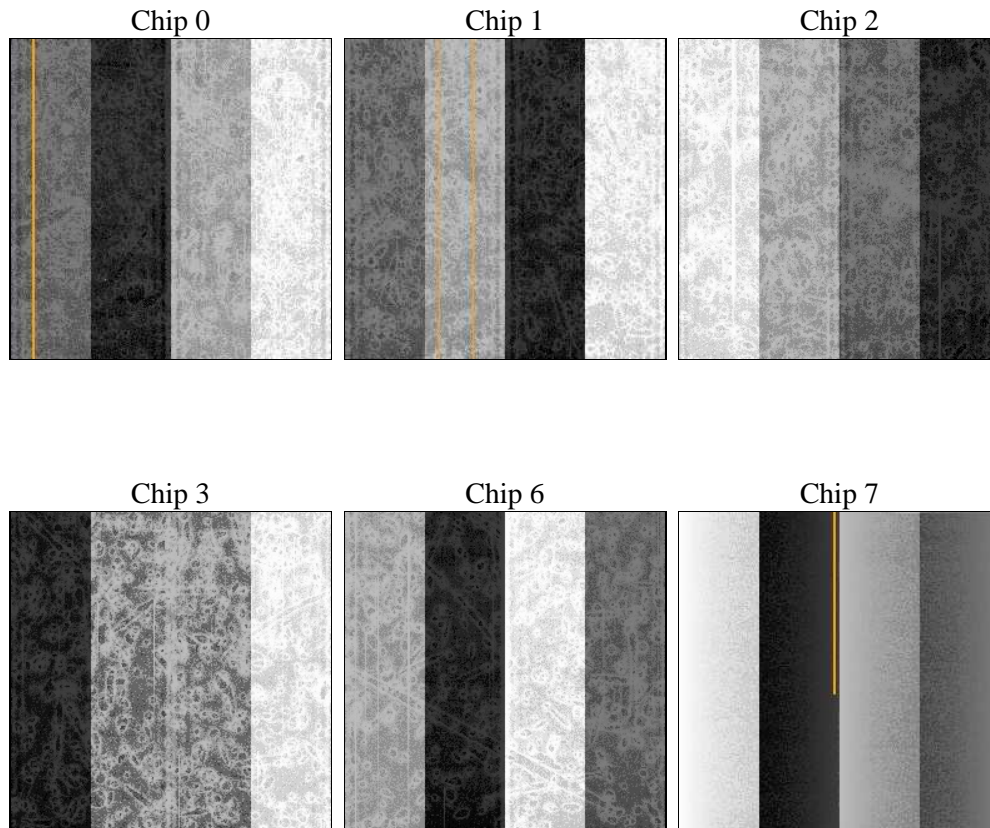
2 OBI

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	sched_exp_time	0.0
caldbver	4.3.0	 		
date	2010-08-15T12:36:14	Date and time of file creation	ontime	9461.0999914557
revision	4	Processing version of data	ontime0	9400.9646334052
			ontime1	9407.6434711888
			ontime2	9400.9645436108
			ontime3	9410.9876636118
			ontime6	9434.3749436066
			ontime7	9461.0999914557
			l1events	810017

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	0	0	0	0	209233	600784
rejected events	0	0	0	0	98012	59392
rejected %	0%	0%	0%	0%	46%	9%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	0	0	0	48290	119280
	0%	0%	0%	0%	23%	19%
grade 1 events	0	0	0	0	404	522
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	0	0	20434	127707
	0%	0%	0%	0%	9%	21%
grade 3 events	0	0	0	0	7986	46888
	0%	0%	0%	0%	3%	7%
grade 4 events	0	0	0	0	7904	46842
	0%	0%	0%	0%	3%	7%
grade 5 events	0	0	0	0	1868	7706
	0%	0%	0%	0%	0%	1%
grade 6 events	0	0	0	0	26654	200882
	0%	0%	0%	0%	12%	33%
grade 7 events	0	0	0	0	95693	50957
	0%	0%	0%	0%	45%	8%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	189.3528379960254	Alternating exposures requested	N	N
Pointing Dec	0	29.95469386838981	Primary exposure time	0.000000	3.3
Pointing Roll	0.0	257.7561843906997			
SIM focus pos (mm)	-0.782348	0.255451383487682			
SIM defocus (mm)	0	0.9397188447875782			
SIM translation stage pos (mm)	-233.592463	-190.1325231039672			
SIM translation stage offset (mm)	0	5.209593894051068e-07			
Observation start time	49796934.176	49796931.894189			
Observation start date	1999-07-31T08:28:54	1999-07-31T08:28:51			
Observation end time	49811013.778	49811011.294665			
Observation end date	1999-07-31T12:23:34	1999-07-31T12:23:31			
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)	2010.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.4610999914557

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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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.