

V&V Reference Report

L2 ASCDS Version : 8.3.2

Observation 62739 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Aug 15 2010

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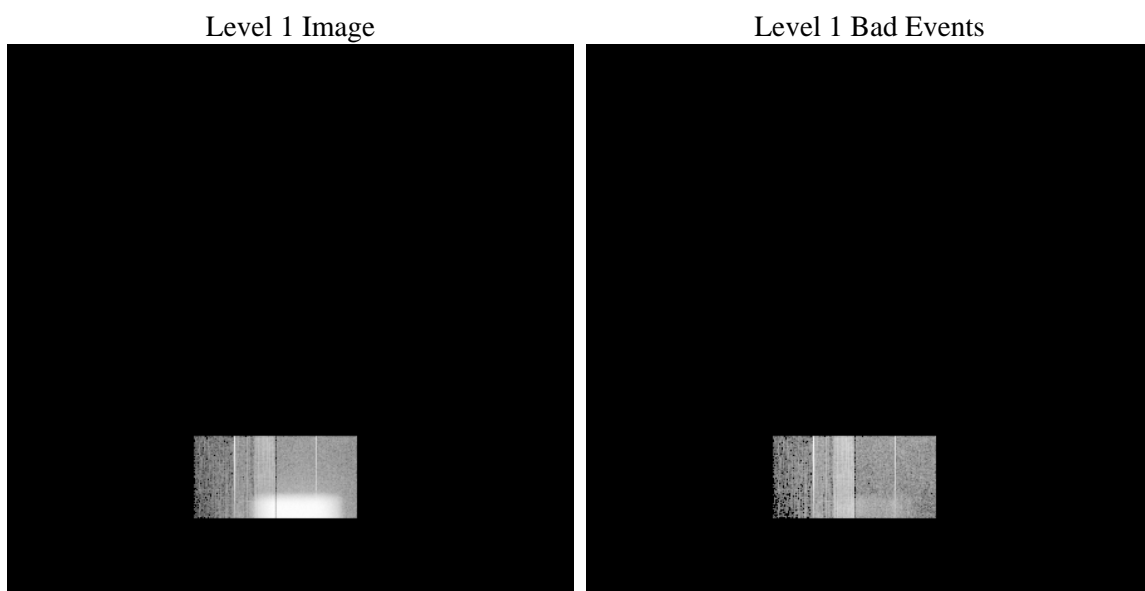
1 Front

seq_num	0	Sequence number
obs_id	62739	Observation id
title	ACIS-I, graded, internal cal	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	Target RA
dec_targ	0.0	Target Dec
ra_nom	195.44310095681	Nominal RA
dec_nom	-0.34356639355393	Nominal Dec
roll_nom	241.95828884408	Nominal Roll
revision	4	Processing version of data
ontime	8942.9999919236	Sum of GTIs [s]
livetime	8833.1477543962	Livetime [s]
ontime0	8942.9999919236	Sum of GTIs [s]
ontime1	8942.9999919236	Sum of GTIs [s]
ontime2	8942.9999919236	Sum of GTIs [s]
ontime3	8942.9982427284	Sum of GTIs [s]
ontime6	8942.9572027251	Sum of GTIs [s]
ontime7	8942.9999919236	Sum of GTIs [s]
l2events	611479	Number of level 2 events

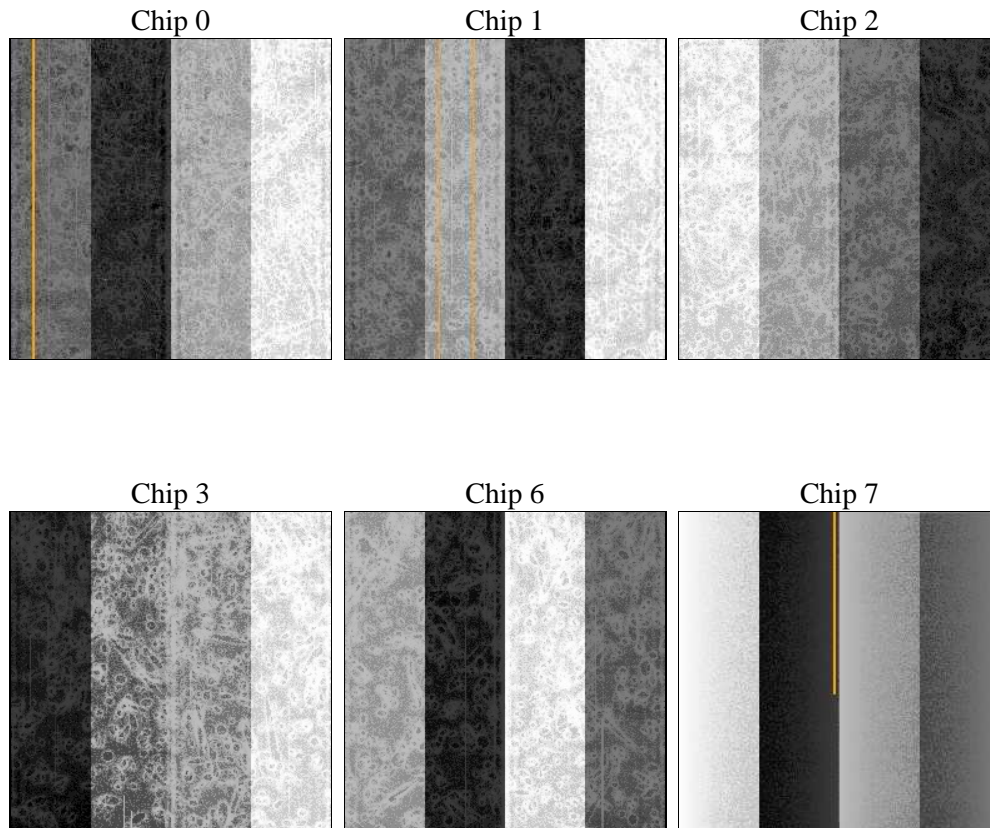
2 OBI

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	 		Scheduled observation exposure time
date	2010-08-15T13:01:10	Date and time of file creation	ontime	8942.9999919236
revision	4	Processing version of data	ontime0	8942.9999919236
			ontime1	8942.9999919236
			ontime2	8942.9999919236
			ontime3	8942.9982427284
			ontime6	8942.9572027251
			ontime7	8942.9999919236
			l1events	780760
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	0	0	0	0	210538	570222
rejected events	0	0	0	0	104959	59627
rejected %	0%	0%	0%	0%	49%	10%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	0	0	0	45515	111663
	0%	0%	0%	0%	21%	19%
grade 1 events	0	0	0	0	399	546
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	0	0	19668	121301
	0%	0%	0%	0%	9%	21%
grade 3 events	0	0	0	0	7457	43814
	0%	0%	0%	0%	3%	7%
grade 4 events	0	0	0	0	7629	43481
	0%	0%	0%	0%	3%	7%
grade 5 events	0	0	0	0	1827	7291
	0%	0%	0%	0%	0%	1%
grade						

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	195.443100956815	Alternating exposures requested	N	N
Pointing Dec	0	-0.3435663935539324	Primary exposure time	0	3.3
Pointing Roll	0.0	241.9582888440785			
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	49904132.884	49904132.547834			
Observation start date	1999-08-01T14:15:33	1999-08-01T14:15:32			
Observation stop time	49916094.68	49916094.298243			
Observation end date	1999-08-01T17:34:55	1999-08-01T17:34:54			
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	8.9429999919236

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.