

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 62535 - L2 Version 4

Chandra X-Ray Center

L2 Processing Date : Nov 17 2009

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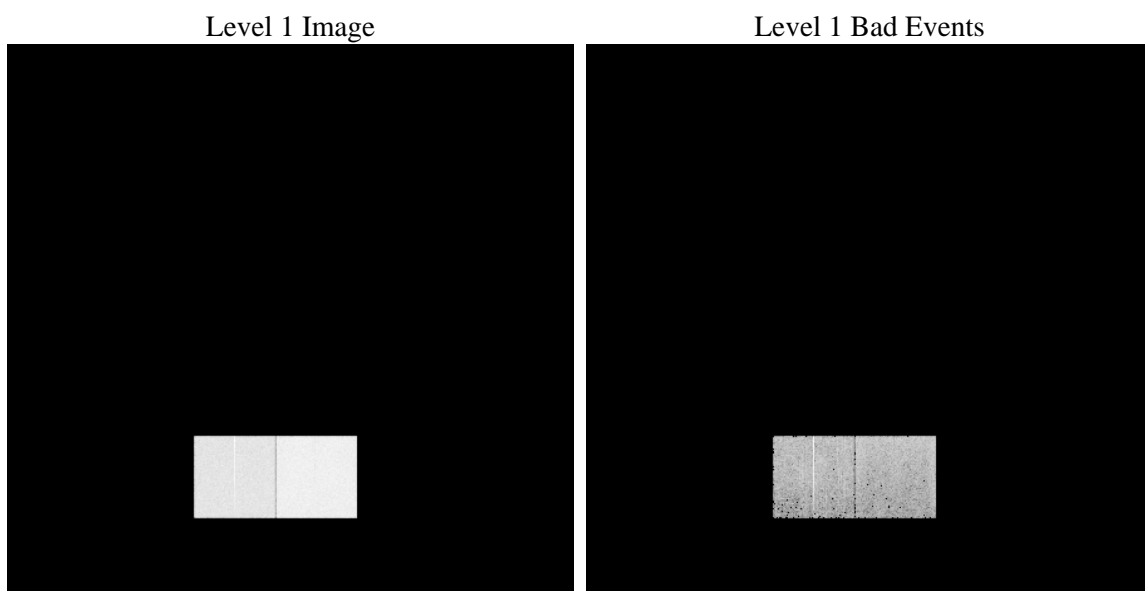
1 Front

seq_num	 	Sequence number
obs_id	62535	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	54.197319866472	Nominal RA
dec_nom	0.59533432646334	Nominal Dec
roll_nom	100.2199981353	Nominal Roll
revision	4	Processing version of data
ontime	3187.002985172	Sum of GTIs [s]
livetime	3146.6472343909	Livetime [s]
ontime4	1967.2995550931	Sum of GTIs [s]
ontime5	3186.9619451687	Sum of GTIs [s]
ontime6	2203.8904491514	Sum of GTIs [s]
ontime7	3187.002985172	Sum of GTIs [s]
ontime8	2211.349941656	Sum of GTIs [s]
ontime9	2198.3457189873	Sum of GTIs [s]
l2events	518182	Number of level 2 events

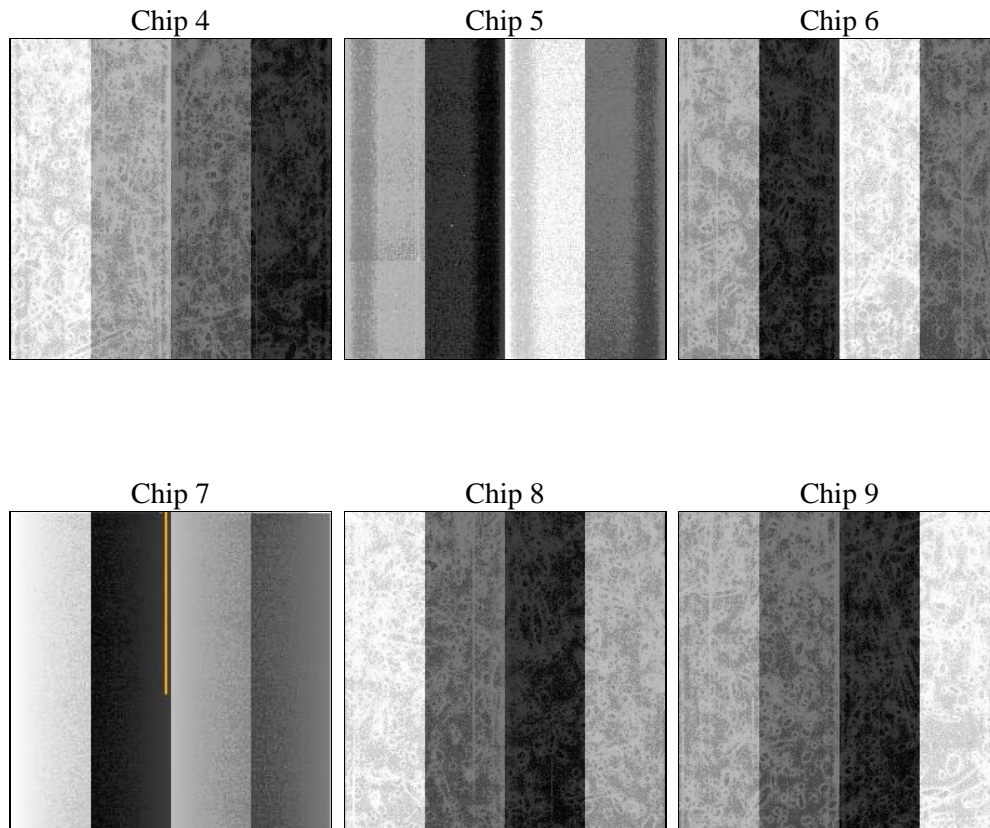
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number		
ascdsver	8.1.1	ASCDS version number	sched_exp_time	0.0
caldbver	4.1.4	 		
date	2009-11-17T10:11:40	Date and time of file creation	ontime	3187.002985172
revision	4	Processing version of data	ontime4	1967.2995550931
			ontime5	3186.9619451687
			ontime6	2203.8904491514
			ontime7	3187.002985172
			ontime8	2211.349941656
			ontime9	2198.3457189873
			l1events	594817

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	0	0	243057	351760	0	0
rejected events	0	0	36633	34538	0	0
rejected %	0%	0%	15%	9%	0%	0%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	0	0	54331	57431	0	0
	0%	0%	22%	16%	0%	0%
grade 1 events	0	0	204	142	0	0
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	100045	88740	0	0
	0%	0%	41%	25%	0%	0%
grade 3 events	0	0	5654	27304	0	0
	0%	0%	2%	7%	0%	0%
grade 4 events	0	0	5677	24804	0	0
	0%	0%	2%	7%	0%	0%
grade 5 events	0	0	1996	4967	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	54.19731986647203	Alternating exposures requested	N	N
Pointing Dec	0	0.5953343264633387	Primary exposure time	3.2	3.2
Pointing Roll	0.0	100.2199981352972			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-190.132523	250.4459185577885			
SIM translation stage offset (mm)	0	0.01005983576618519			
Observation start time	53980067.945333	53980067.176837			
Observation start date	1999-09-17T18:27:48	1999-09-17T18:27:47			
Observation end time	53991103.09573	53991102.327233			
Observation end date	1999-09-17T21:31:43	1999-09-17T21:31:42			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2009.11.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.187002985172

A.2 Comments

A spatial exclusion window was specified for this observation. Although CCD 6 chips were active, only events from chips 6 and 7 were telemetered.

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ACIS diagnostic; post rad belt.

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Focal plane temperature is warmer than -118.7 C degrees during the entire 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 degrees C for the entirety 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. Users whose science objectives depend on the most accurate spectral response (ie: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.