

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 62282 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 25 2009

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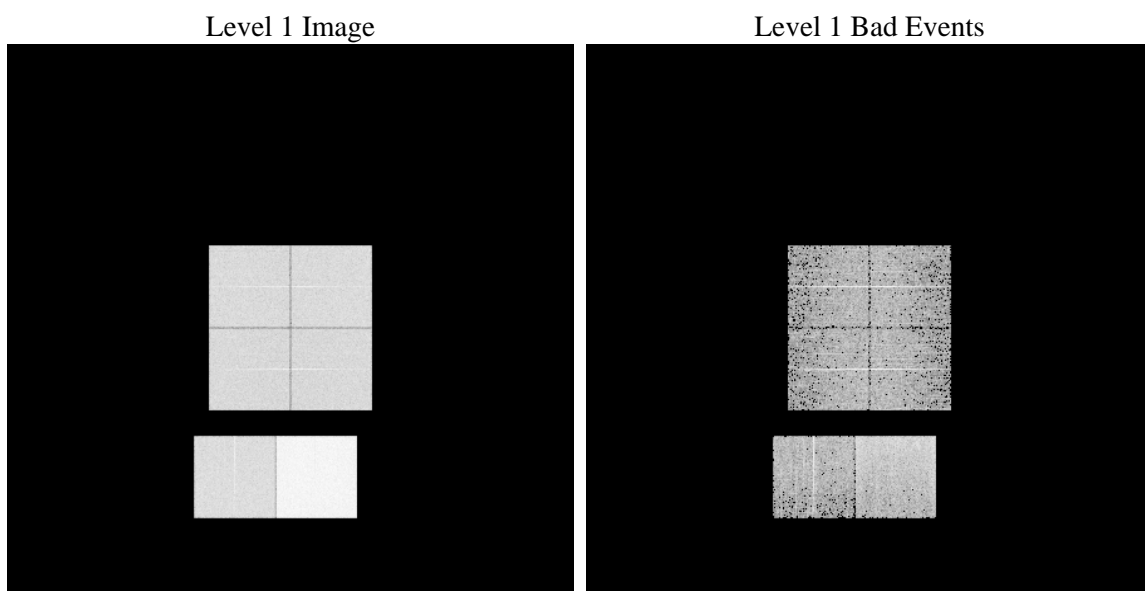
1 Front

seq_num	 	Sequence number
obs_id	62282	Observation id
title	ACIS-012367 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	163.17656946787	Nominal RA
dec_nom	57.494904900644	Nominal Dec
roll_nom	82.571101451014	Nominal Roll
revision	4	Processing version of data
ontime	3503.8778354079	Sum of GTIs [s]
livetime	3459.509624474	Livetime [s]
ontime0	1387.4978410304	Sum of GTIs [s]
ontime1	1409.232901454	Sum of GTIs [s]
ontime2	1309.7130105272	Sum of GTIs [s]
ontime3	1302.1555110961	Sum of GTIs [s]
ontime6	1493.5818819627	Sum of GTIs [s]
ontime7	3503.8778354079	Sum of GTIs [s]
l2events	917633	Number of level 2 events

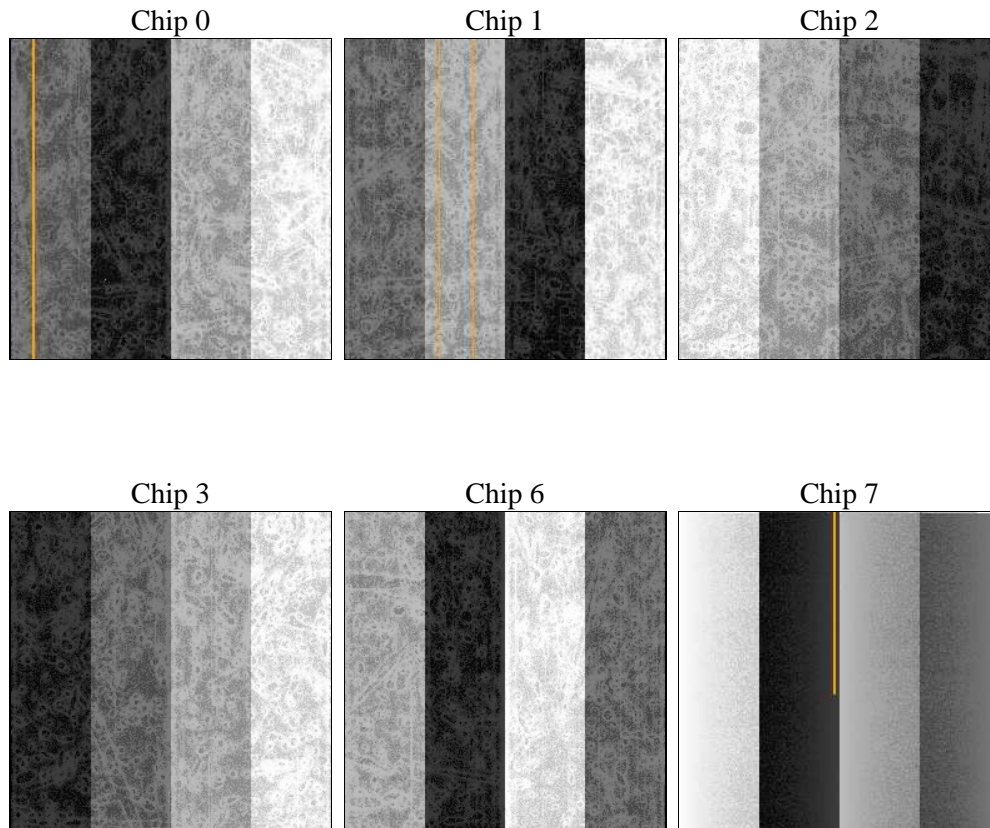
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.4 Events

obi_num	0	Obi number	sched_exp_time	0.0	Scheduled observation exposure time
ascdsver	8.1.1	ASCDS version number			
caldsver	4.1.4	 			
date	2009-11-25T14:30:23	Date and time of file creation			
revision	3	Processing version of data			
			ontime	3503.8778354079	Sum of GTIs [s]
			ontime0	1387.4978410304	Sum of GTIs [s]
			ontime1	1409.232901454	Sum of GTIs [s]
			ontime2	1309.7130105272	Sum of GTIs [s]
			ontime3	1302.1555110961	Sum of GTIs [s]
			ontime6	1493.5818819627	Sum of GTIs [s]
			ontime7	3503.8778354079	Sum of GTIs [s]
			l1events	1061183	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	139320	141839	133144	133201	154594	359085
rejected events	18799	19003	19281	19842	21772	35302
rejected %	13%	13%	14%	14%	14%	9%

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	163.1765694678664	Alternating exposures requested	N	N
Pointing Dec	0	57.49490490064387	Primary exposure time	3.2	3.2
Pointing Roll	0.0	82.57110145101372			
SIM focus pos (mm)	-0.782348	-1.038866356238299			
SIM defocus (mm)	0	0.4944702831659975			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	60983848.103511	60983847.334761			
Observation start date	1999-12-07T19:57:28	1999-12-07T19:57:27			
Observation end time	60991148.153777	60991147.385025			
Observation end date	1999-12-07T21:59:08	1999-12-07T21:59:07			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2010.01.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.5038778354079

A.2 Comments

The focal plane temperature is approximately -110C during this observation. This reprocessing of the data applies no CTI correction because none is available for this temperature at present.

The ACIS CTI correction has not been calibrated at this temperature, because it was early in the mission, and ACIS had not yet been lowered to the standard -119.7 C. Both front and back illuminated chips are affected. However a T_GAIN correction has been applied to the BI chips (ACIS-5 and ACIS-7) data included here.

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.