

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 62242 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 29 2009

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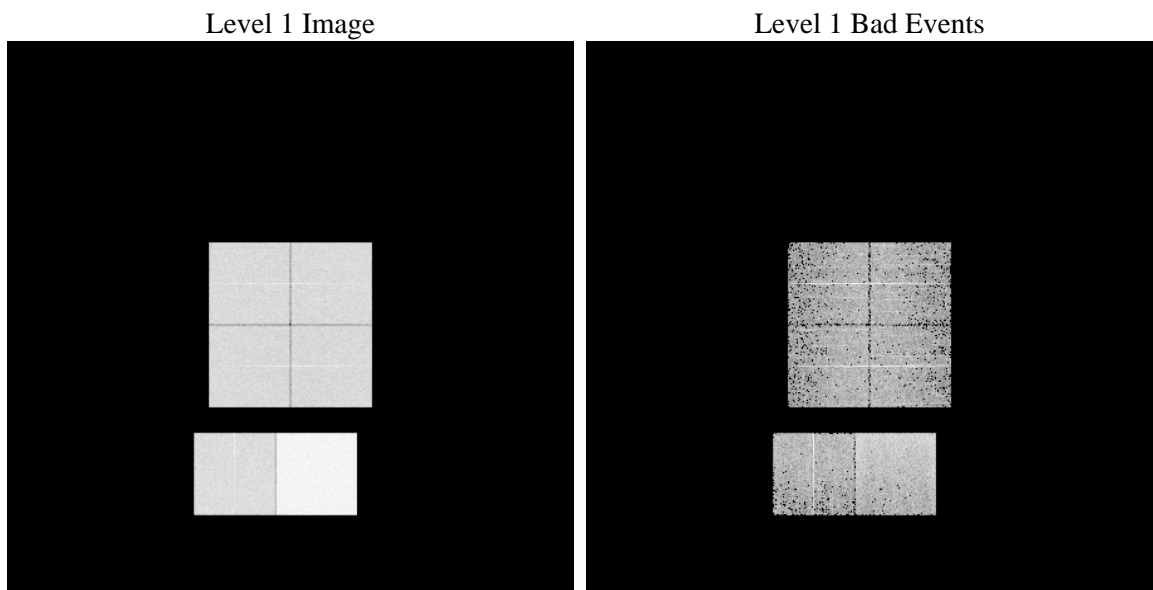
1 Front

seq_num	 	Sequence number
obs_id	62242	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	94.728288725316	Nominal RA
dec_nom	1.3257078882632	Nominal Dec
roll_nom	339.79629273043	Nominal Roll
revision	4	Processing version of data
ontime	3497.3554349467	Sum of GTIs [s]
livetime	3453.0698145748	Livetime [s]
ontime0	1422.6354858279	Sum of GTIs [s]
ontime1	1432.3997854963	Sum of GTIs [s]
ontime2	1377.7344104126	Sum of GTIs [s]
ontime3	1355.0471303686	Sum of GTIs [s]
ontime6	1530.0632408559	Sum of GTIs [s]
ontime7	3497.3554349467	Sum of GTIs [s]
l2events	920389	Number of level 2 events

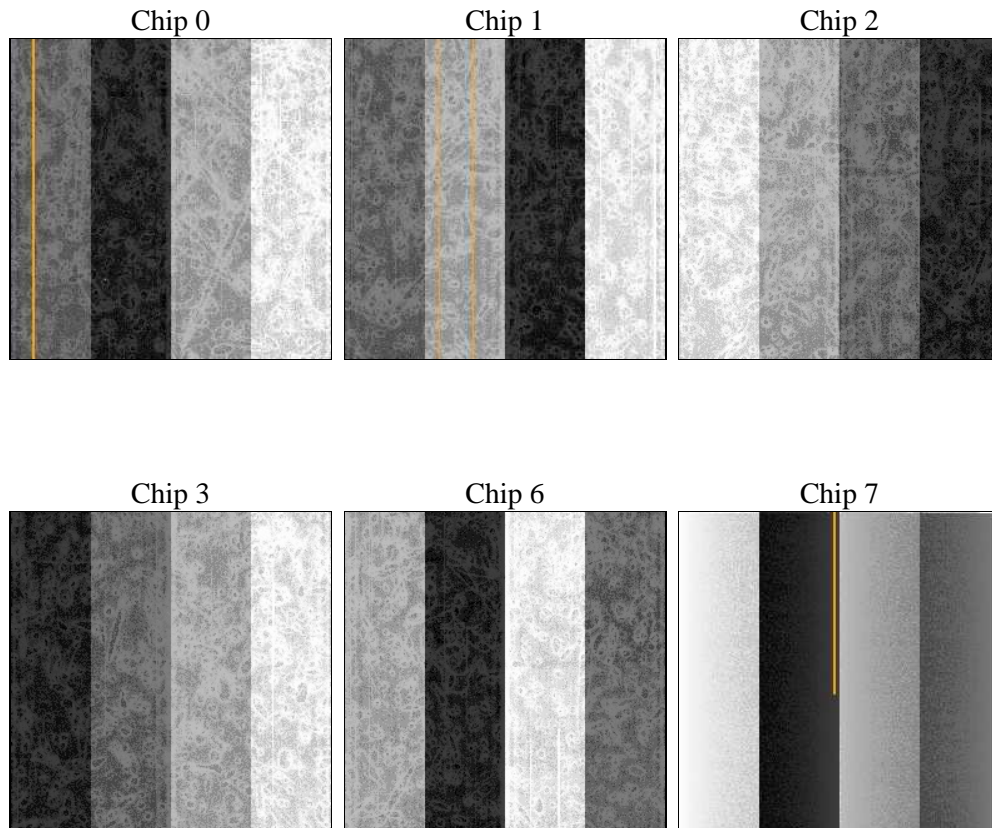
2 OBI

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
caldsver	4.1.4	
date	2009-11-29T22:10:55	Date and time of file creation
revision	3	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	3497.3554349467	Sum of GTIs [s]
ontime0	1422.6354858279	Sum of GTIs [s]
ontime1	1432.3997854963	Sum of GTIs [s]
ontime2	1377.7344104126	Sum of GTIs [s]
ontime3	1355.0471303686	Sum of GTIs [s]
ontime6	1530.0632408559	Sum of GTIs [s]
ontime7	3497.3554349467	Sum of GTIs [s]
l1events	1059840	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	139197	140858	136417	134812	155748	352808
rejected events	17887	18483	19094	19406	21956	33118
rejected %	12%	13%	13%	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	94.72828872531628	Alternating exposures requested	N	N
Pointing Dec	0	1.325707888263159	Primary exposure time	3.2	3.2
Pointing Roll	0.0	339.7962927304301			
SIM focus pos (mm)	-0.782348	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	63263950.435661	63263949.667345			
Observation start date	2000-01-03T05:19:10	2000-01-03T05:19:09			
Observation end time	63272500.985969	63272500.217655			
Observation end date	2000-01-03T07:41:41	2000-01-03T07:41:40			
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)	2010.01.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.4973554349467

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.