

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 62411 - L2 Version 3

Chandra X-Ray Center

L2 Processing Date : Jan 13 2010

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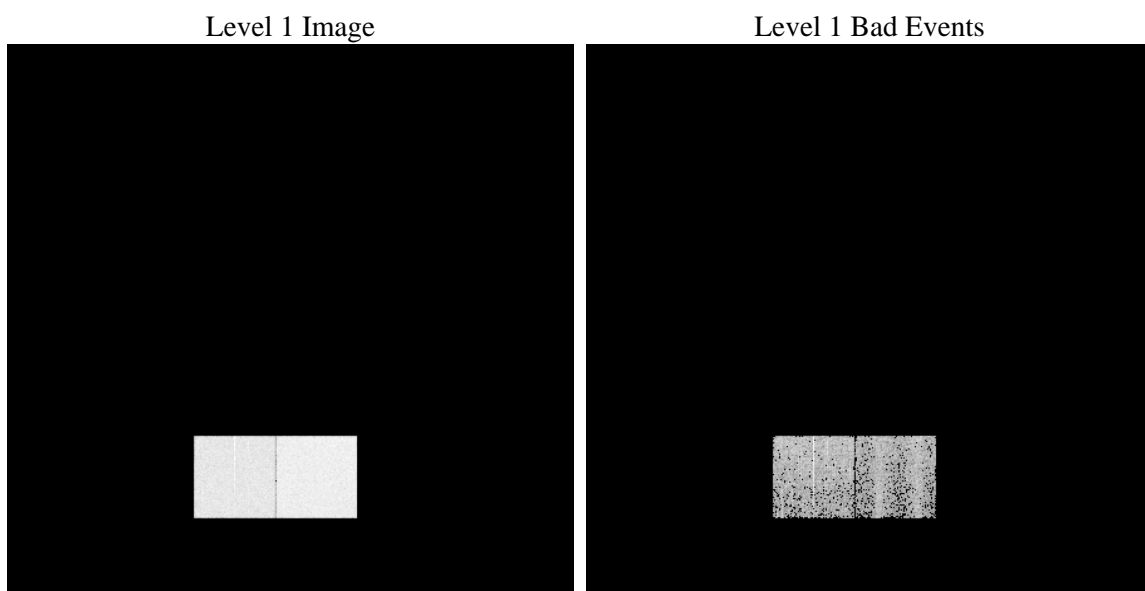
1 Front

seq_num	 	Sequence number
obs_id	62411	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	79.177344505982	Nominal RA
dec_nom	46.003056166449	Nominal Dec
roll_nom	92.707226852171	Nominal Roll
revision	3	Processing version of data
ontime	1315.2000012249	Sum of GTIs [s]
livetime	1298.546146891	Livetime [s]
ontime4	936.0078471601	Sum of GTIs [s]
ontime5	1315.2000012249	Sum of GTIs [s]
ontime6	1017.0321715474	Sum of GTIs [s]
ontime7	1315.2000012249	Sum of GTIs [s]
ontime8	1000.1992697418	Sum of GTIs [s]
ontime9	1004.0682707652	Sum of GTIs [s]
l2events	229522	Number of level 2 events

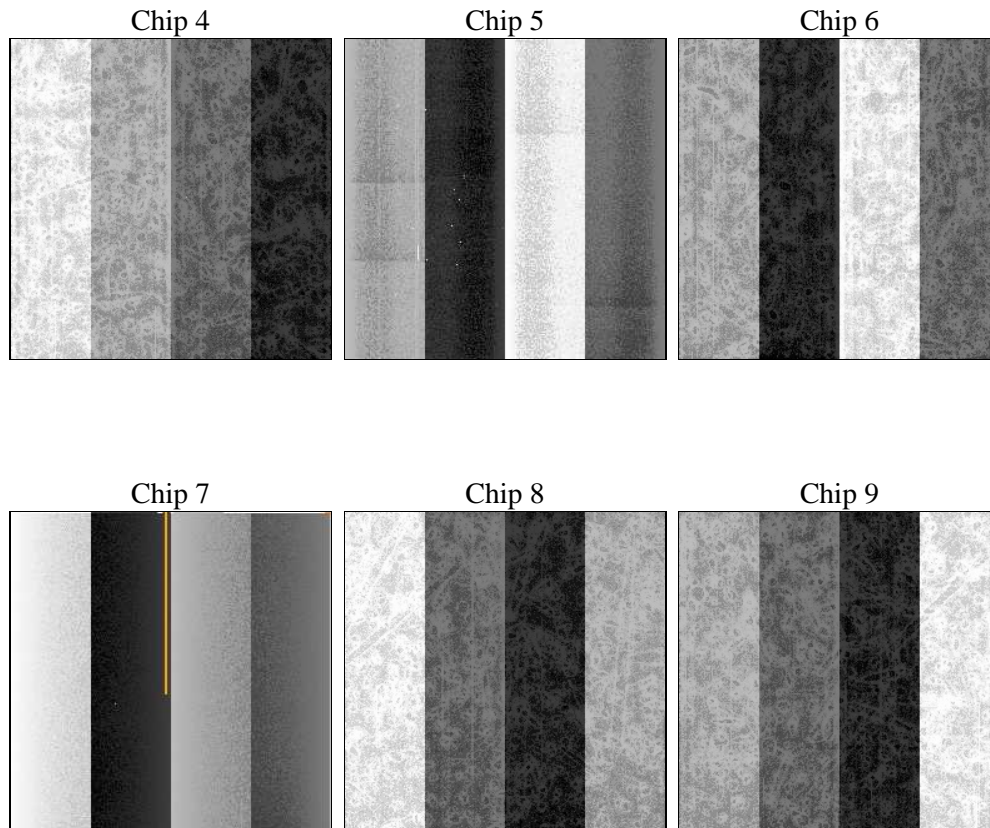
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.2.1	ASCDS version number
caldsver	4.1.5	
date	2010-01-13T15:16:44	Date and time of file creation
revision	3	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	1315.2000012249	Sum of GTIs [s]
ontime4	936.0078471601	Sum of GTIs [s]
ontime5	1315.2000012249	Sum of GTIs [s]
ontime6	1017.0321715474	Sum of GTIs [s]
ontime7	1315.2000012249	Sum of GTIs [s]
ontime8	1000.1992697418	Sum of GTIs [s]
ontime9	1004.0682707652	Sum of GTIs [s]
l1events	261125	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	0	0	114683	146442	0	0
rejected events	0	0	16799	12375	0	0
rejected %	0%	0%	14%	8%	0%	0%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	0	0	34825	26922	0	0
	0%	0%	30%	18%	0%	0%
grade 1 events	0	0	164	76	0	0
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	36474	26739	0	0
	0%	0%	31%	18%	0%	0%
grade 3 events	0	0	3823	17898	0	0
	0%	0%	3%	12%	0%	0%
grade 4 events	0	0	3807	14222	0	0
	0%	0%	3%	9%	0%	0%
grade 5 events	0	0	894	1922	0	0
	0%	0%	0%	1%	0%	0%
grade 6 events	0	0	19260	48622	0	0
	0%	0%	16%	33%	0%	0%
grade 7 events	0	0	15436	10041	0	0
	0%	0%	13%	6%	0%	0%

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	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	79.17734450598188	Alternating exposures requested	N	N
Pointing Dec	0	46.00305616644926	Primary exposure time	3.2	3.2
Pointing Roll	0.0	92.70722685217123			
SIM focus pos (mm)	-1.08446789718153	-1.08446789718153			
SIM defocus (mm)	-0.4002004301856693	-0.4002004301856693			
SIM translation stage pos (mm)	250.466033080201	250.466033080201			
SIM translation stage offset (mm)	-440.5985561841682	-440.5985561841682			
Observation start time	53305383.8	53305383.8			
Observation start date	1999-09-09T23:03:04	1999-09-09T23:03:03			
Observation end time	53307836.021	53307836.021			
Observation end date	1999-09-09T23:43:56	1999-09-09T23:43:56			
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)	2010.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.3152000012249

A.2 Comments

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

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The focal plane temperature is warmer than -110C during this observation.

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 chip (ACIS-7) data included here.