

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62713 - L2 Version 5

Chandra X-Ray Center

L2 Processing Date : Mar 31 2010

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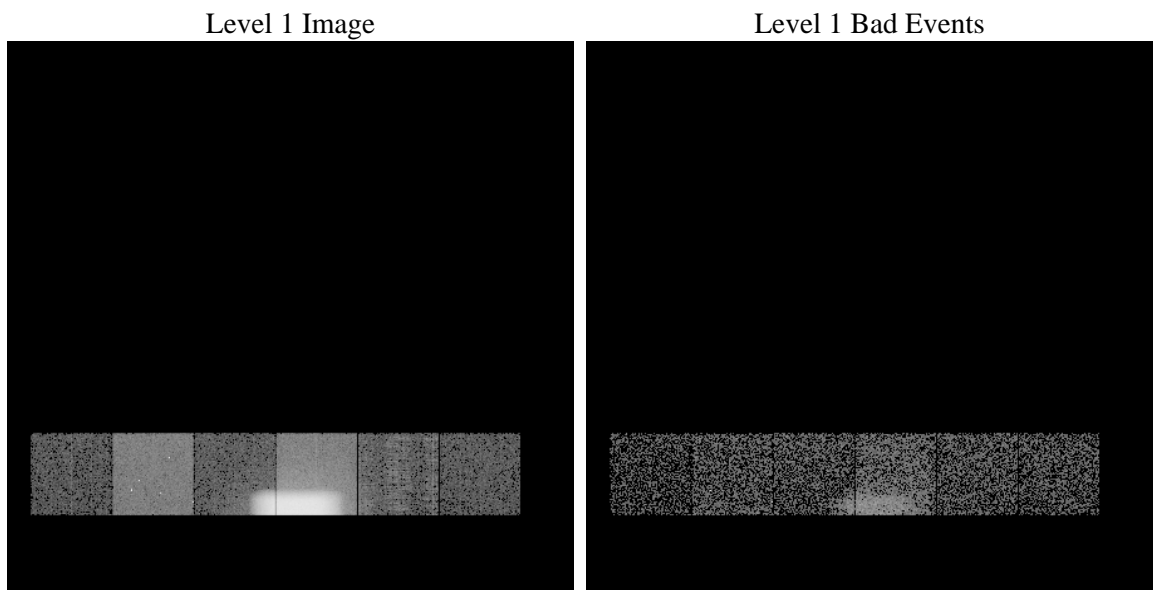
1 Front

seq_num	0	Sequence number
obs_id	62713	Observation id
title	ACIS 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	181.22170020523	Nominal RA
dec_nom	5.1290627122754	Nominal Dec
roll_nom	251.9180079456	Nominal Roll
revision	5	Processing version of data
ontime	4085.3976731375	Sum of GTIs [s]
livetime	4035.2142809885	Livetime [s]
ontime4	4085.3155931383	Sum of GTIs [s]
ontime5	4085.3566331342	Sum of GTIs [s]
ontime6	4085.1924731359	Sum of GTIs [s]
ontime7	4085.3976731375	Sum of GTIs [s]
ontime8	4085.274553135	Sum of GTIs [s]
ontime9	4081.8925629258	Sum of GTIs [s]
l2events	359849	Number of level 2 events

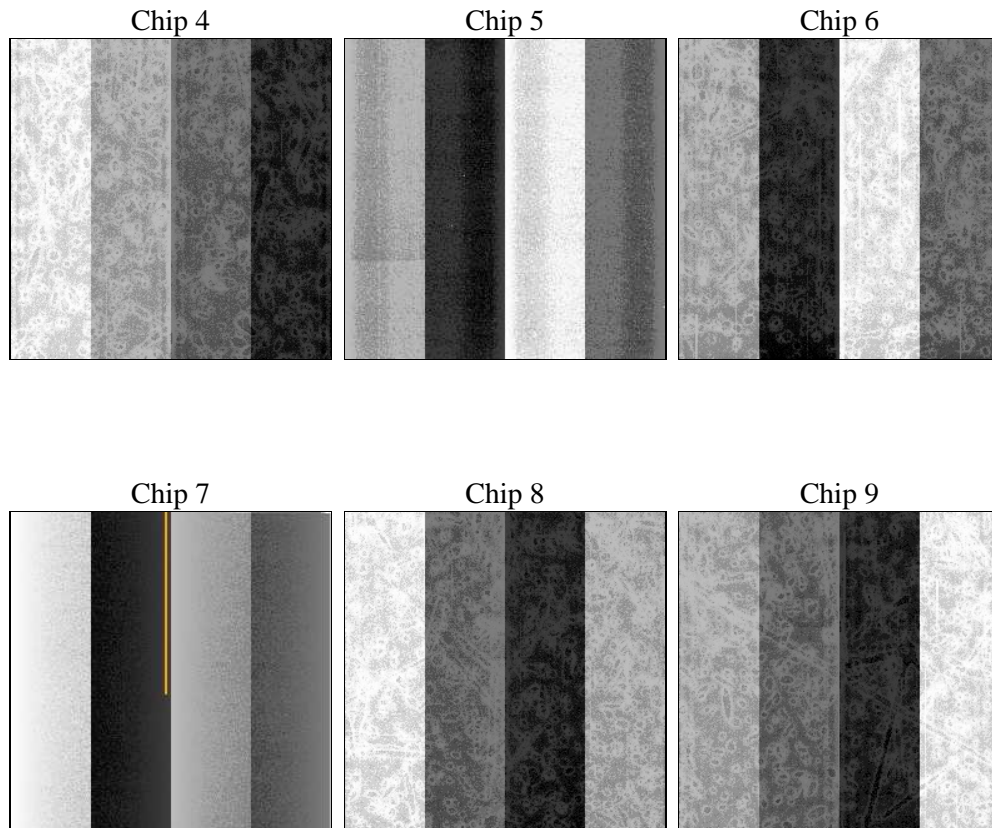
2 OBI

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	2010-03-31T19:57:25	Date and time of file creation		
revision	5	Processing version of data		
			sched_exp_time	0.0
				Scheduled observation exposure time
			ontime	4085.3976731375
				Sum of GTIs [s]
			ontime4	4085.3155931383
				Sum of GTIs [s]
			ontime5	4085.3566331342
				Sum of GTIs [s]
			ontime6	4085.1924731359
				Sum of GTIs [s]
			ontime7	4085.3976731375
				Sum of GTIs [s]
			ontime8	4085.274553135
				Sum of GTIs [s]
			ontime9	4081.8925629258
				Sum of GTIs [s]
			l1events	395084
				Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	10095	39857	58102	259194	17176	10660
rejected events	2597	4193	3831	7141	3608	3151
rejected %	25%	10%	6%	2%	21%	29%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	1920	2748	22178	51627	3464	1806
	19%	6%	38%	19%	20%	16%
grade 1 events	24	323	174	238	33	21
	0%	0%	0%	0%	0%	0%
grade 2 events	1676	8654	10313	57630	2876	1603
	16%	21%	17%	22%	16%	15%
grade 3 events	749	650	3904	20811	1316	711
	7%	1%	6%	8%	7%	6%
grade 4 events	663	646	3910	20398	1199	660
	6%	1%	6%	7%	6%	6%
grade 5 events	2573	3870	3657	6903	3575	3130
	25%	9%	6%	2%	20%	29%
grade 6 events	2490	22966	13966	101587	4713	2729
	24%	57%	24%	39%	27%	25%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	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	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	181.2217002052325	Alternating exposures requested	N	N
Pointing Dec	0	5.129062712275371	Primary exposure time	0	3.3
Pointing Roll	0.0	251.9180079455999			
SIM focus pos (mm)	-0.684267	0.255451383487682			
SIM defocus (mm)	0	0.9397188447875782			
SIM translation stage pos (mm)	-190.132523	-190.1325231039672			
SIM translation stage offset (mm)	0	5.209593894051068e-07			
Observation start time	50457180.029	50457179.517216			
Observation start date	1999-08-07T23:53:00	1999-08-07T23:52:59			
Observation stop time	50462823.68	50462823.167415			
Observation end date	1999-08-08T01:27:04	1999-08-08T01:27:03			
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	4.0853976731375

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.