

V&V Reference Report

L2 ASCDS Version : 8.3.2

Observation 62774 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Aug 15 2010

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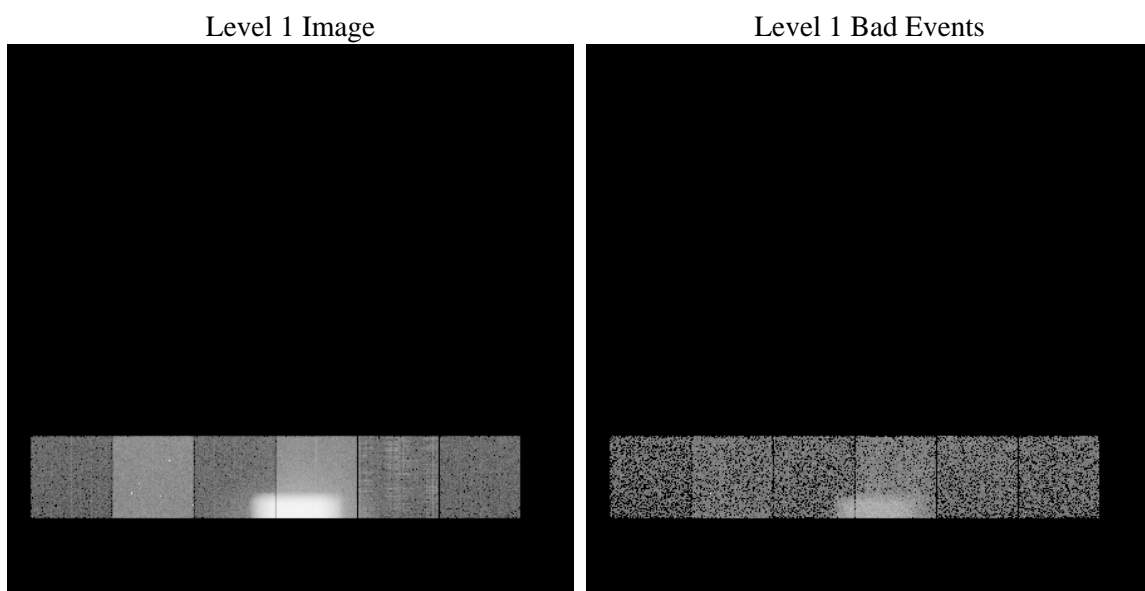
1 Front

seq_num	0	Sequence number
obs_id	62774	Observation id
title	ACIS-S internal cal,S2, S3	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	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	32.446556268521	Nominal RA
dec_nom	19.720587798107	Nominal Dec
roll_nom	109.49282274583	Nominal Roll
revision	4	Processing version of data
ontime	7372.1391815245	Sum of GTIs [s]
livetime	7281.5827703442	Livetime [s]
ontime4	7372.0571015254	Sum of GTIs [s]
ontime5	7372.0981415212	Sum of GTIs [s]
ontime6	7371.9339815229	Sum of GTIs [s]
ontime7	7372.1391815245	Sum of GTIs [s]
ontime8	7372.0160615221	Sum of GTIs [s]
ontime9	7371.9750215262	Sum of GTIs [s]
l2events	647981	Number of level 2 events

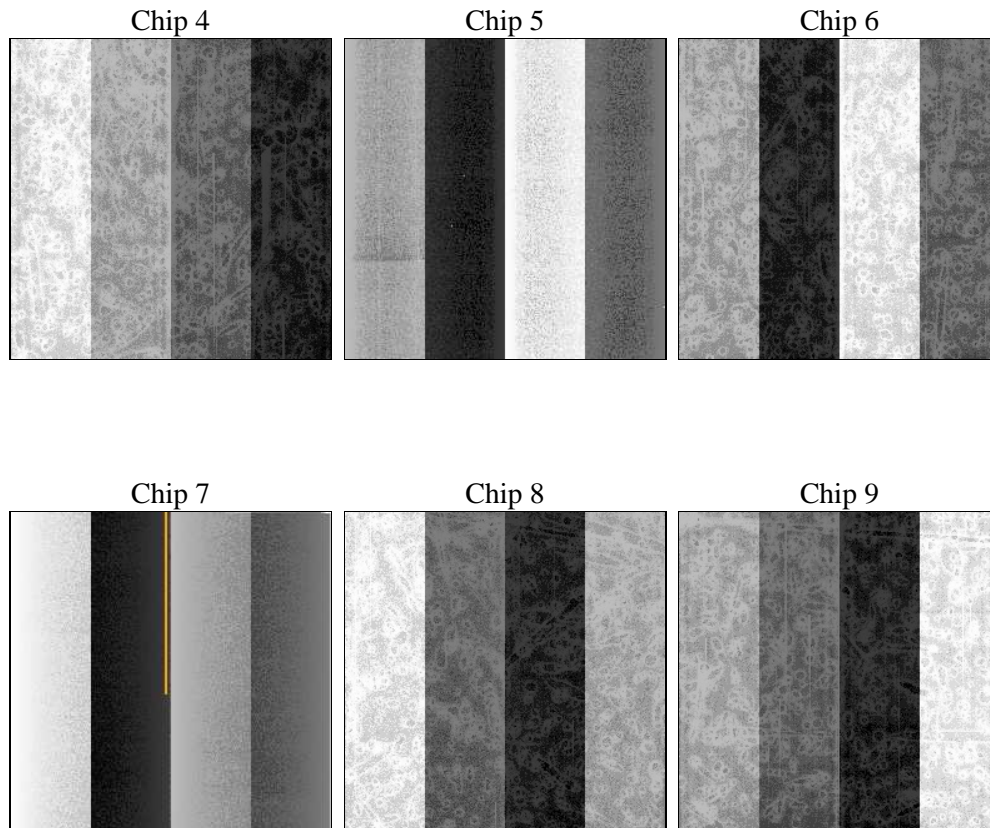
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number		
ascdsver	8.3.2	ASCDS version number	sched_exp_time	0.0
caldbver	4.3.0	 		
date	2010-08-15T12:12:06	Date and time of file creation	ontime	7372.1391815245
revision	4	Processing version of data	ontime4	7372.0571015254
			ontime5	7372.0981415212
			ontime6	7371.9339815229
			ontime7	7372.1391815245
			ontime8	7372.0160615221
			ontime9	7371.9750215262
			l1events	713276

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	18076	68359	106134	469827	31723	19157	grade 0 events	3406	3892	40387	92964	6539	3204
rejected events	4865	7512	7457	15782	6360	5724		18%	5%	38%	19%	20%	16%
rejected %	26%	10%	7%	3%	20%	29%	grade 1 events	39	347	323	441	65	35
								0%	0%	0%	0%	0%	0%
							grade 2 events	2970	14579	18681	105161	5465	2824
								16%	21%	17%	22%	17%	14%
							grade 3 events	1282	1032	7104	36796	2570	1278
								7%	1%	6%	7%	8%	6%
							grade 4 events	1116	1057	7219	36612	2312	1179
								6%	1%	6%	7%	7%	6%
							grade 5 events	4741	6705	6418	12039	6097	5605
								26%	9%	6%	2%	19%	29%
							grade 6 events	4522	40747	26002	185814	8675	5032
								25%	59%	24%	39%	27%	26%
							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	32.44655626852085	Alternating exposures requested	N	N
Pointing Dec	0	19.72058779810651	Primary exposure time	0.000000	3.3
Pointing Roll	0.0	109.4928227458335			
SIM focus pos (mm)	-0.684267	0			
SIM defocus (mm)	0	0			
SIM translation stage pos (mm)	-190.132523	0			
SIM translation stage offset (mm)	0	0			
Observation start time	49717360.429	49717359.091509			
Observation start date	1999-07-30T10:22:40	1999-07-30T10:22:39			
Observation end time	49726394.87	49726393.441812			
Observation end date	1999-07-30T12:53:15	1999-07-30T12:53:13			
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	7.3721391815245

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.