

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 61984 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Jun 1 2007

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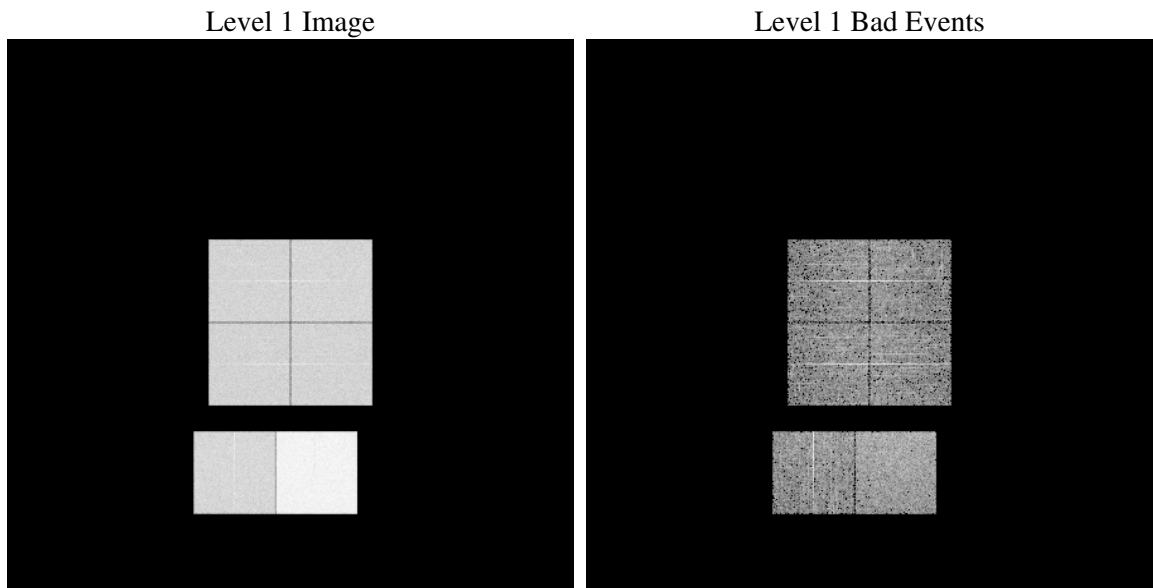
1 Front

seq_num	
obs_id	61984
title	ACIS-012367 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	171.13838669158
dec_nom	-47.917680355868
roll_nom	221.93270950456
revision	3
ontime	5523.9982437193
livetime	5454.050051805
ontime0	2458.0122400373
ontime1	2517.2572343796
ontime2	2331.6117700934
ontime3	2364.0221301168
ontime6	2536.7857338786
ontime7	5523.9982437193
l2events	1369244

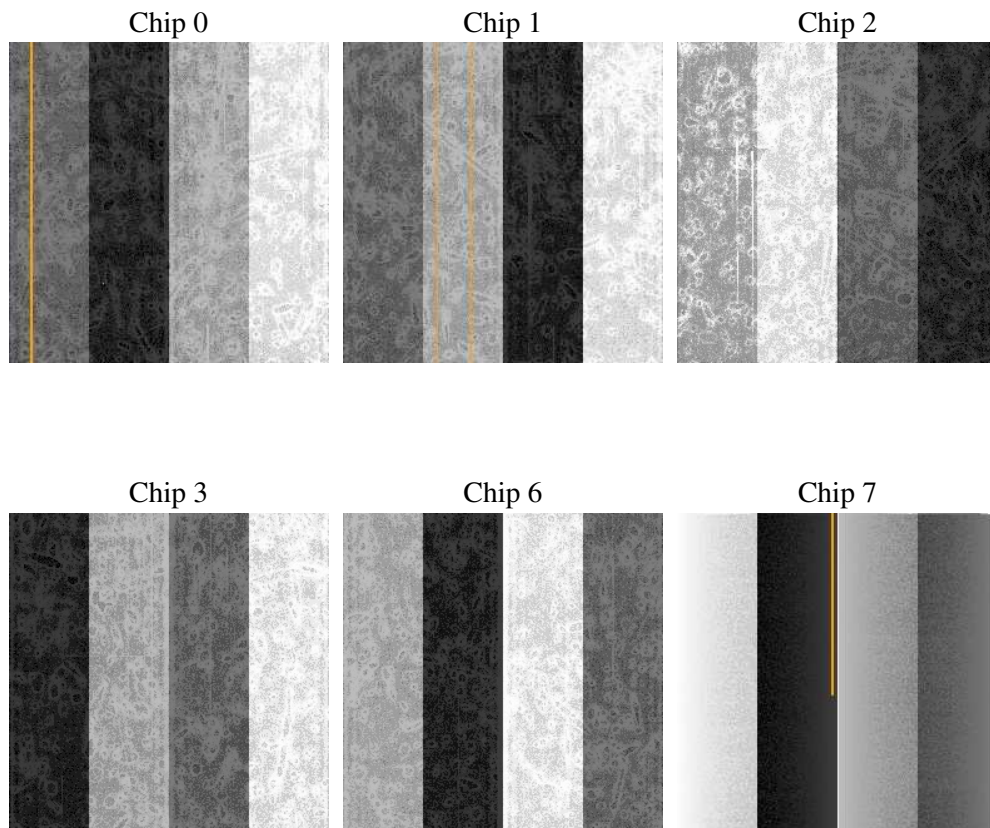
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-06-01T07:51:43
revision	3

sched_exp_time	0.0
ontime	5523.9982437193
ontime0	2458.0122400373
ontime1	2517.2572343796
ontime2	2331.6117700934
ontime3	2364.0221301168
ontime6	2536.7857338786
ontime7	5523.9982437193
l1events	1554026

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	212258	218936	206192	209398	231463	475779
rejected events	18814	19272	19325	20035	21374	28208
rejected %	8%	8%	9%	9%	9%	5%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	106791	110847	104269	106544	115409	116330
	50%	50%	50%	50%	49%	24%
grade 1 events	484	570	544	531	550	315
	0%	0%	0%	0%	0%	0%
grade 2 events	34509	35260	33037	33345	36532	99060
	16%	16%	16%	15%	15%	20%
grade 3 events	12359	12691	11719	11654	12903	45952
	5%	5%	5%	5%	5%	9%
grade 4 events	12154	12662	11705	12089	12859	46087
	5%	5%	5%	5%	5%	9%
grade 5 events	1445	1438	1330	1424	1627	6093
	0%	0%	0%	0%	0%	1%
grade 6 events	28129	29018	26691	26554	33457	141747
	13%	13%	12%	12%	14%	29%
grade 7 events	16387	16450	16897	17257	18126	20195
	7%	7%	8%	8%	7%	4%

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	171.1383866915802	Alternating exposures requested	N	N
Pointing Dec	0	-47.91768035586753	Primary exposure time	3.2	3.2
Pointing Roll	0.0	221.9327095045629			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	81135508.79473899	81135508.026273			
Observation start date	2000-07-28T01:38:29	2000-07-28T01:38:28			
Observation end time	81146019.14512999	81146018.376664			
Observation end date	2000-07-28T04:33:39	2000-07-28T04:33:38			
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)	2007.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.52399824

A.2 Comments

Focal plane temperature is warmer than -118.7 C degrees during the initial half of 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.

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