

V&V Reference Report

L2 ASCDS Version : 8.3.2

Observation 62727 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Aug 15 2010

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

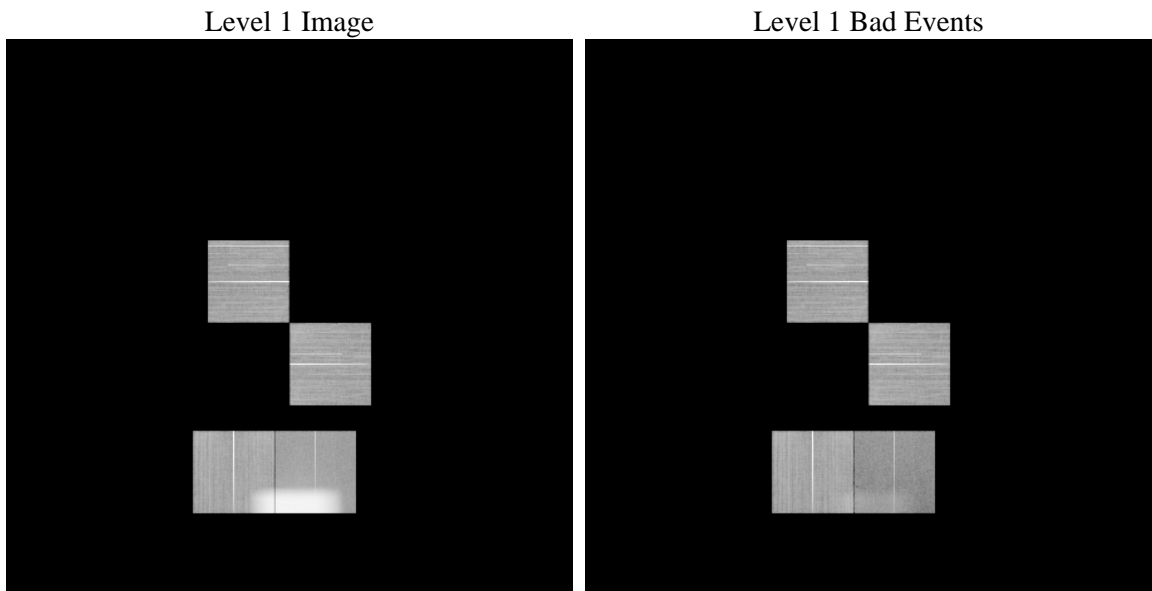
1 Front

seq_num	0	Sequence number
obs_id	62727	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	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	225.12661281269	Nominal RA
dec_nom	-9.8748361551944	Nominal Dec
roll_nom	253.63975083775	Nominal Roll
revision	4	Processing version of data
ontime	18660.970586553	Sum of GTIs [s]
livetime	18431.746682358	Livetime [s]
ontime0	18650.906526335	Sum of GTIs [s]
ontime1	18674.252287559	Sum of GTIs [s]
ontime2	18670.870287344	Sum of GTIs [s]
ontime3	18664.14729698	Sum of GTIs [s]
ontime6	18664.106346764	Sum of GTIs [s]
ontime7	18660.970586553	Sum of GTIs [s]
l2events	1356021	Number of level 2 events

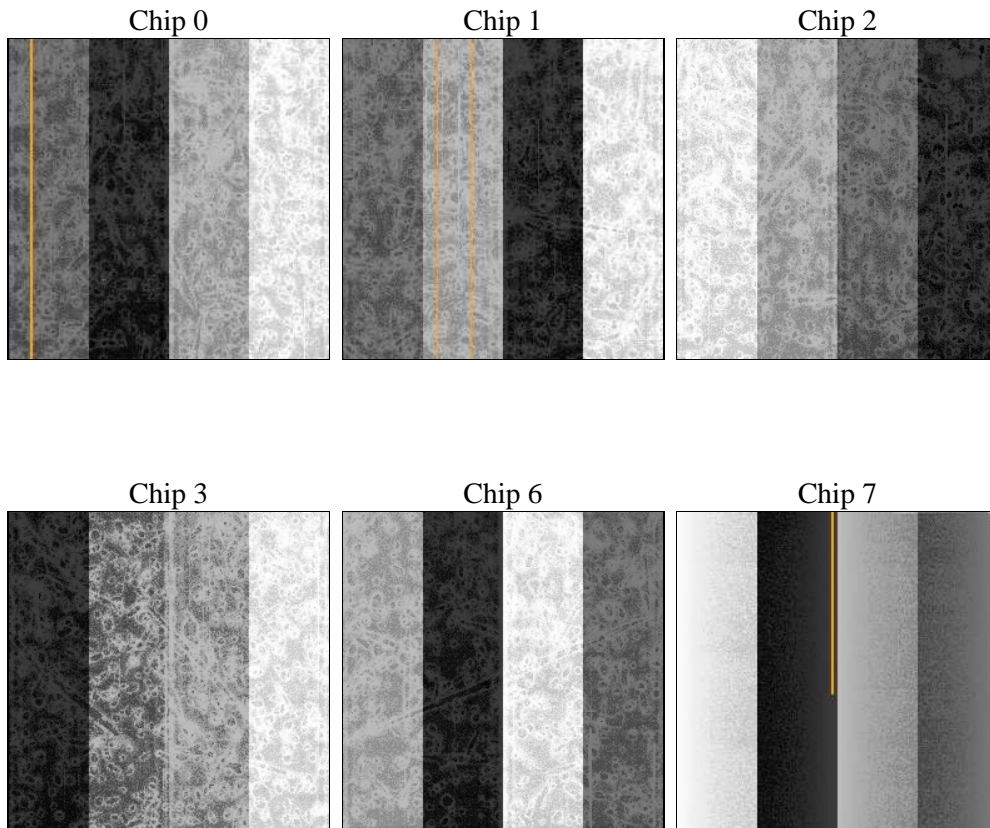
2 OBI

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	Scheduled observation exposure time
caldsver	4.3.0	 	ontime	18660.970586553	Sum of GTIs [s]
date	2010-08-15T14:30:08	Date and time of file creation	ontime0	18650.906526335	Sum of GTIs [s]
revision	4	Processing version of data	ontime1	18674.252287559	Sum of GTIs [s]
			ontime2	18670.870287344	Sum of GTIs [s]
			ontime3	18664.14729698	Sum of GTIs [s]
			ontime6	18664.106346764	Sum of GTIs [s]
			ontime7	18660.970586553	Sum of GTIs [s]
			l1events	3060774	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	499688	0	0	507636	727198	1326252
rejected events	479986	0	0	489127	497058	224601
rejected %	96%	0%	0%	96%	68%	16%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	8581	0	0	8359	101080	239059
	1%	0%	0%	1%	13%	18%
grade 1 events	91	0	0	84	809	1190
	0%	0%	0%	0%	0%	0%
grade 2 events	4158	0	0	3540	43100	263033
	0%	0%	0%	0%	5%	19%
grade 3 events	2019	0	0	1917	16854	94571
	0%	0%	0%	0%	2%	7%
grade 4 events	1918	0	0	1889	16656	93532
	0%	0%	0%	0%	2%	7%
grade 5 events	5253	0	0	5257	7115	21818
	1%	0%	0%	1%	0%	1%
grade 6 events	3281	0	0	2986	54765	422854
	0%	0%	0%	0%	7%	31%
grade 7 events	474387	0	0	483604	486819	190195
	94%	0%	0%	95%	66%	14%

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	225.1266128126871	Alternating exposures requested	N	N
Pointing Dec	0	-9.874836155194435	Primary exposure time	0.000000	3.3
Pointing Roll	0.0	253.6397508377538			
SIM focus pos (mm)	-0.782348	0.255451383487682			
SIM defocus (mm)	0	0.9397188447875782			
SIM translation stage pos (mm)	-233.592463	-190.1325231039672			
SIM translation stage offset (mm)	0	5.209593894051068e-07			
Observation start time	50203709.902	50203707.258241			
Observation start date	1999-08-05T01:28:30	1999-08-05T01:28:27			
Observation end time	50224200.027	50224199.058965			
Observation end date	1999-08-05T07:10:00	1999-08-05T07:09:59			
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)	2010.08.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.660970586553

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.

==

Chips 1 and 2 were not telemetered.

==

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.