

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62715 - L2 Version 5

Chandra X-Ray Center

L2 Processing Date : Mar 31 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

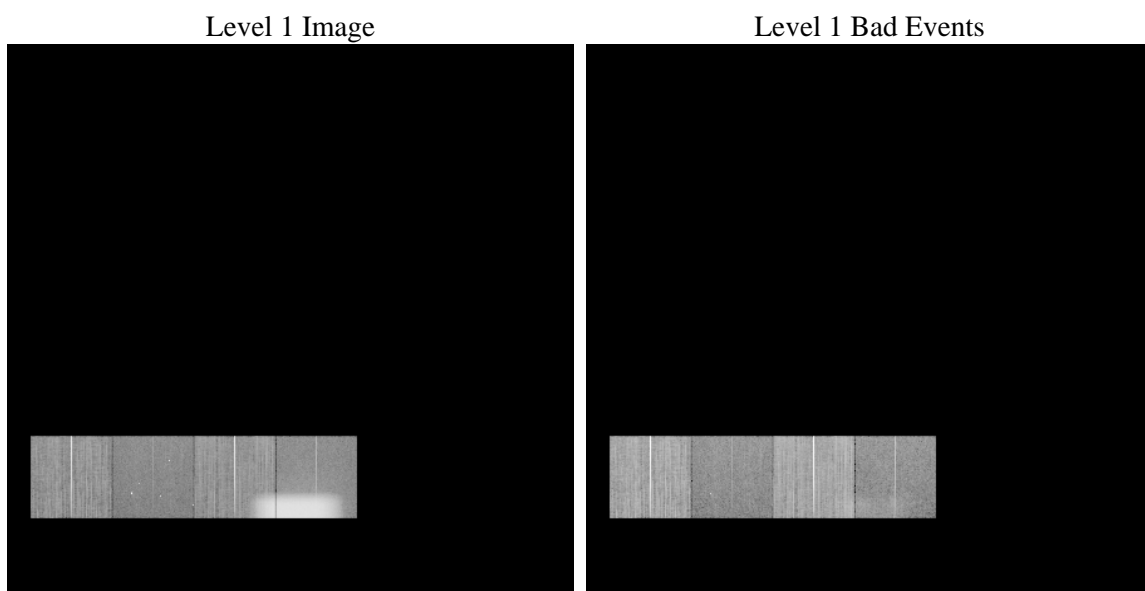
1 Front

seq_num	0	Sequence number
obs_id	62715	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	181.50435939399	Nominal RA
dec_nom	5.0349782534728	Nominal Dec
roll_nom	251.89691009755	Nominal Roll
revision	5	Processing version of data
ontime	9398.3999915123	Sum of GTIs [s]
livetime	9282.953802406	Livetime [s]
ontime4	9398.3999915123	Sum of GTIs [s]
ontime5	9398.3999915123	Sum of GTIs [s]
ontime6	9398.3999915123	Sum of GTIs [s]
ontime7	9398.3999915123	Sum of GTIs [s]
ontime8	9398.3999915123	Sum of GTIs [s]
ontime9	9398.3999915123	Sum of GTIs [s]
l2events	720572	Number of level 2 events

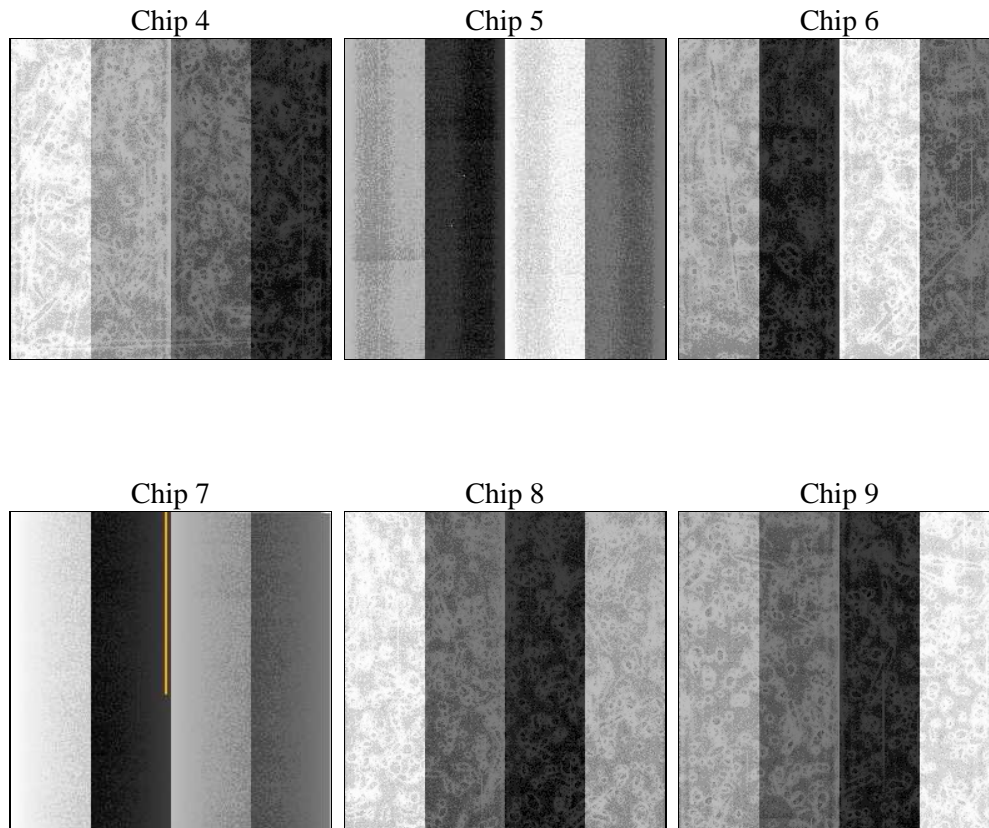
2 OBI

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	2010-03-31T20:00:29	Date and time of file creation
revision	5	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	9398.3999915123	Sum of GTIs [s]
ontime4	9398.3999915123	Sum of GTIs [s]
ontime5	9398.3999915123	Sum of GTIs [s]
ontime6	9398.3999915123	Sum of GTIs [s]
ontime7	9398.3999915123	Sum of GTIs [s]
ontime8	9398.3999915123	Sum of GTIs [s]
ontime9	9398.3999915123	Sum of GTIs [s]
l1events	1406276	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	242110	146037	360900	657229	0	0
rejected events	232408	91590	245260	105209	0	0
rejected %	95%	62%	67%	16%	0%	0%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	4290	5356	50406	117622	0	0
	1%	3%	13%	17%	0%	0%
grade 1 events	41	411	393	578	0	0
	0%	0%	0%	0%	0%	0%
grade 2 events	2164	16660	21435	130995	0	0
	0%	11%	5%	19%	0%	0%
grade 3 events	902	1293	8278	46422	0	0
	0%	0%	2%	7%	0%	0%
grade 4 events	893	1332	8430	46045	0	0
	0%	0%	2%	7%	0%	0%
grade 5 events	2234	5566	3513	10572	0	0
	0%	3%	0%	1%	0%	0%
grade 6 events	1453	29806	27129	210936	0	0
	0%	20%	7%	32%	0%	0%
grade 7 events	230133	85613	241316	94059	0	0
	95%	58%	66%	14%	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	181.5043593939857	Alternating exposures requested	N	N
Pointing Dec	0	5.034978253472751	Primary exposure time	0	3.3
Pointing Roll	0.0	251.8969100975538			
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	50440445.878	50440445.366625			
Observation start date	1999-08-07T19:14:06	1999-08-07T19:14:05			
Observation stop time	50451401.079	50451400.567012			
Observation end date	1999-08-07T22:16:41	1999-08-07T22:16:40			
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	9.39839999915123

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.

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Chips 8 and 9 were not telemetered.