

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62711 - 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

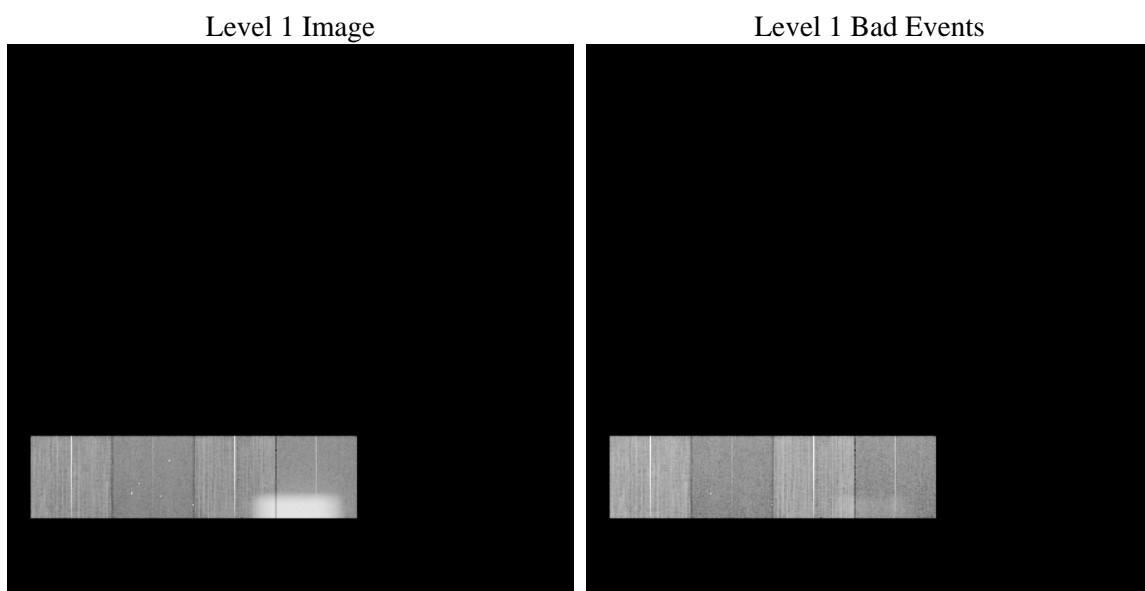
1 Front

seq_num	0	Sequence number
obs_id	62711	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	225.0045404209	Nominal RA
dec_nom	-10.280140196173	Nominal Dec
roll_nom	254.07418654809	Nominal Roll
revision	5	Processing version of data
ontime	10510.94406984	Sum of GTIs [s]
livetime	10381.831833942	Livetime [s]
ontime4	10367.290790536	Sum of GTIs [s]
ontime5	10651.267670058	Sum of GTIs [s]
ontime6	10387.33662156	Sum of GTIs [s]
ontime7	10510.94406984	Sum of GTIs [s]
ontime8	10383.995402046	Sum of GTIs [s]
ontime9	10387.336551771	Sum of GTIs [s]
l2events	805295	Number of level 2 events

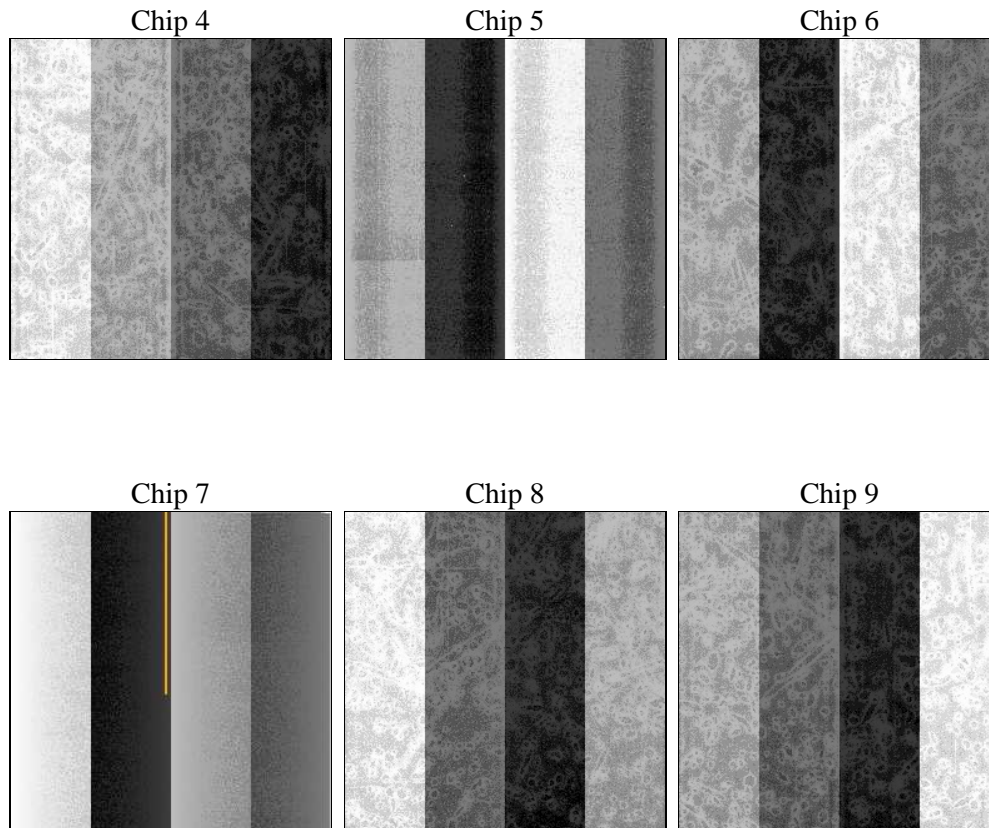
2 OBI

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	2010-03-31T20:06:45	Date and time of file creation
revision	5	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	10510.94406984	Sum of GTIs [s]
ontime4	10367.290790536	Sum of GTIs [s]
ontime5	10651.267670058	Sum of GTIs [s]
ontime6	10387.33662156	Sum of GTIs [s]
ontime7	10510.94406984	Sum of GTIs [s]
ontime8	10383.995402046	Sum of GTIs [s]
ontime9	10387.336551771	Sum of GTIs [s]
l1events	1583279	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	286979	166809	395184	734307	0	0
rejected events	276089	105039	267527	116517	0	0
rejected %	96%	62%	67%	15%	0%	0%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	4815	6605	55556	131891	0	0
	1%	3%	14%	17%	0%	0%
grade 1 events	60	685	462	619	0	0
	0%	0%	0%	0%	0%	0%
grade 2 events	2444	18353	23713	145907	0	0
	0%	11%	6%	19%	0%	0%
grade 3 events	1026	1523	9070	52311	0	0
	0%	0%	2%	7%	0%	0%
grade 4 events	955	1509	9305	51870	0	0
	0%	0%	2%	7%	0%	0%
grade 5 events	2522	6431	3784	11756	0	0
	0%	3%	0%	1%	0%	0%
grade 6 events	1650	33780	30052	235811	0	0
	0%	20%	7%	32%	0%	0%
grade 7 events	273507	97923	263242	104142	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	225.0045404209016	Alternating exposures requested	N	N
Pointing Dec	0	-10.2801401961726	Primary exposure time	0.000000	3.3
Pointing Roll	0.0	254.0741865480867			
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	50474967.882	50474967.367844			
Observation start date	1999-08-08T04:49:28	1999-08-08T04:49:27			
Observation end time	50489127.236	50489126.718343			
Observation end date	1999-08-08T08:45:27	1999-08-08T08:45:26			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.3

A.2 Comments

Door source visible. Chips S4 and S5 were clocked but not read down in telemetry.

====

More Charge Time for this version: 4.30 ksec for N004, 10.51 for N005.

===

No KALMAN intervals

=====

IPS deactivation, He tank vented during this obsid.

=====

Focal plane temperature is warmer than -118.7 C degrees during the entire 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. Users whose science objectives depend on the most accurate spectral response (i.e.: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.