

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62216 - L2 Version 3

Chandra X-Ray Center

L2 Processing Date : Dec 5 2009

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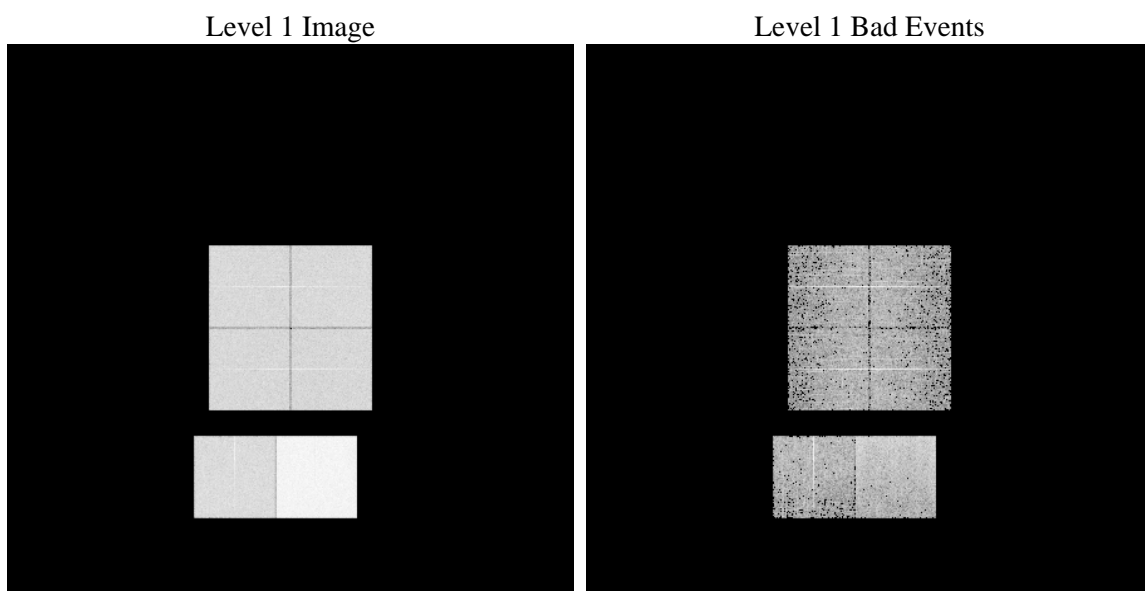
1 Front

seq_num	 	Sequence number
obs_id	62216	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
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	25.024841612508	Nominal RA
dec_nom	24.979889477081	Nominal Dec
roll_nom	290.90699892437	Nominal Roll
revision	3	Processing version of data
ontime	3629.5583568141	Sum of GTIs [s]
livetime	3583.5987034424	Livetime [s]
ontime0	1426.0561963543	Sum of GTIs [s]
ontime1	1445.502436392	Sum of GTIs [s]
ontime2	1367.717396453	Sum of GTIs [s]
ontime3	1338.5481161848	Sum of GTIs [s]
ontime6	1526.528396681	Sum of GTIs [s]
ontime7	3629.5583568141	Sum of GTIs [s]
l2events	918190	Number of level 2 events

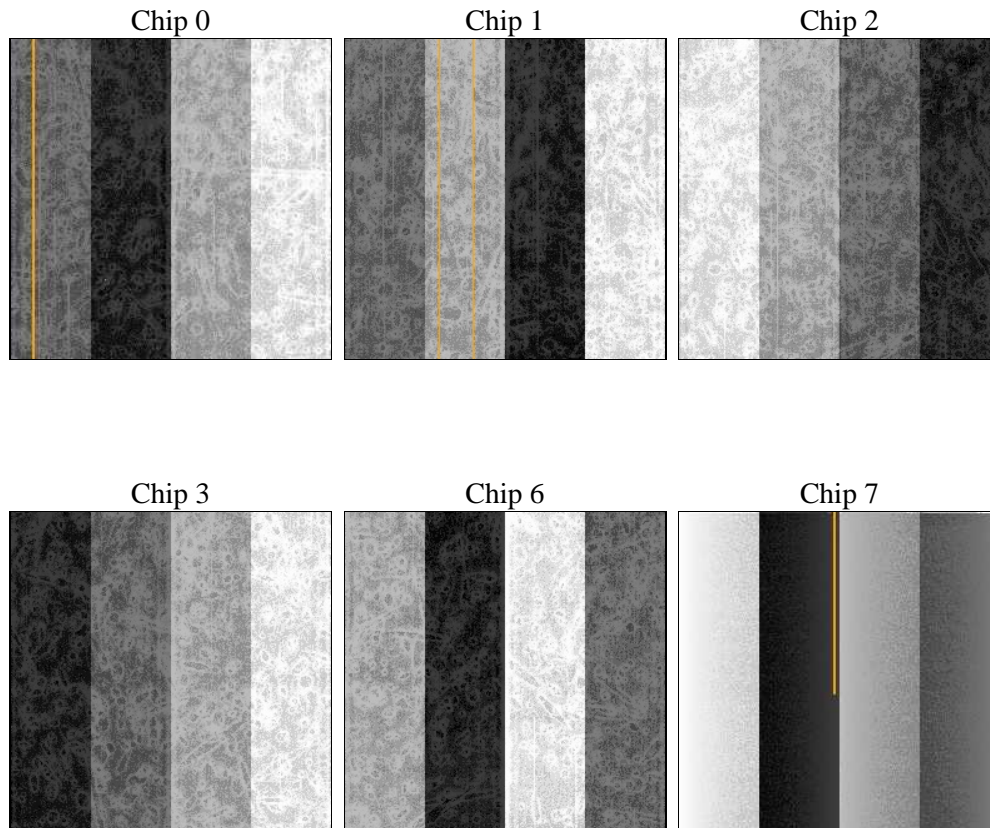
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number		
ascdsver	8.1.2	ASCDS version number	sched_exp_time	0.0
caldsver	4.1.4	 		Scheduled observation exposure time
date	2009-12-05T15:50:06	Date and time of file creation	ontime	3629.5583568141
revision	3	Processing version of data	ontime0	1426.0561963543
			ontime1	1445.502436392
			ontime2	1367.717396453
			ontime3	1338.5481161848
			ontime6	1526.528396681
			ontime7	3629.5583568141
			l1events	1059348
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	138564	140404	133951	131282	153650	361497	grade 0 events	44015	44519	35809	36380	36899	60876
rejected events	18635	18536	19544	18809	22320	33692		31%	31%	26%	27%	24%	16%
rejected %	13%	13%	14%	14%	14%	9%	grade 1 events	190	183	146	130	154	141
								0%	0%	0%	0%	0%	0%
							grade 2 events	45337	46326	50532	48375	61238	91446
								32%	32%	37%	36%	39%	25%
							grade 3 events	4797	4790	3774	3875	3751	28728
								3%	3%	2%	2%	2%	7%
							grade 4 events	4726	4902	3708	3859	3839	25952
								3%	3%	2%	2%	2%	7%
							grade 5 events	1144	1191	1127	1173	1316	4979
								0%	0%	0%	0%	0%	1%
							grade 6 events	21054	21331	20584	19984	25603	120803
								15%	15%	15%	15%	16%	33%
							grade 7 events	17301	17162	18271	17506	20850	28572
								12%	12%	13%	13%	13%	7%

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	25.02484161250821	Alternating exposures requested	N	N
Pointing Dec	0	24.97988947708086	Primary exposure time	3.2	3.2
Pointing Roll	0.0	290.9069989243746			
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	64694417.937706	64694417.169284			
Observation start date	2000-01-19T18:40:18	2000-01-19T18:40:17			
Observation end time	64701717.987971	64701717.219549			
Observation end date	2000-01-19T20:41:58	2000-01-19T20:41:57			
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)	2010.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.6295583568141

A.2 Comments

Focal plane temperature is warmer than -118.7 C degrees during the entire observation. This temperature is the upper limit of the verified ACIS calibration for the front-illuminated chips. The focal plane temperature is also warmer than -116.7 degrees C for the entire observation. This temperature is the upper limit of the verified ACIS calibration for the back-illuminated chips. The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C.