

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62212 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 5 2009

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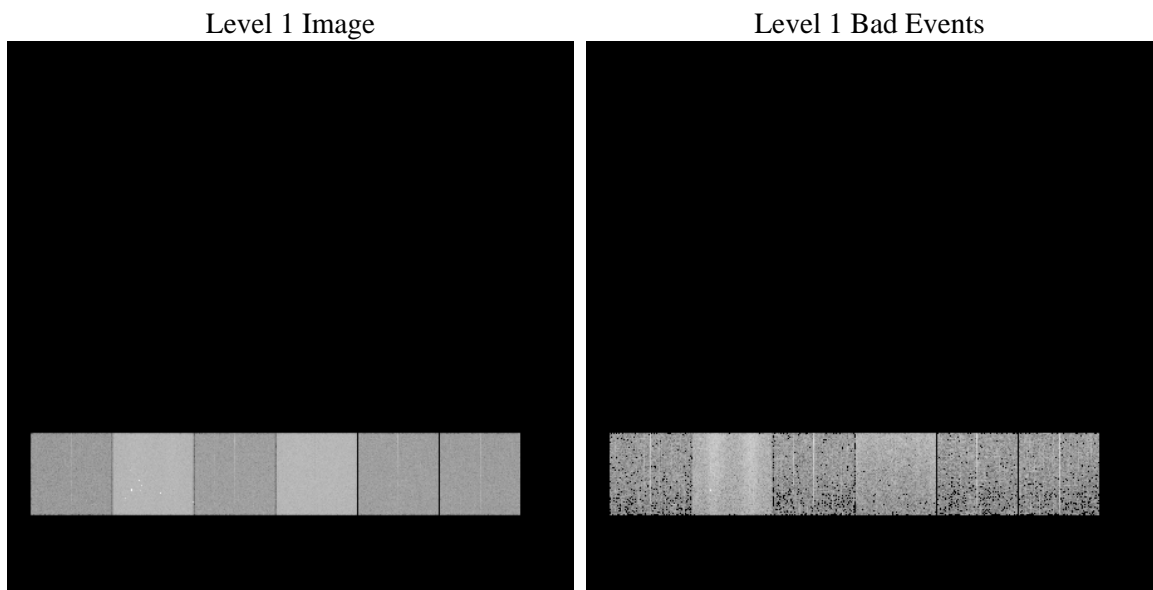
1 Front

seq_num	 	Sequence number
obs_id	62212	Observation id
title	ACIS-456789 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	131.37564683023	Nominal RA
dec_nom	34.344421790881	Nominal Dec
roll_nom	151.36374078933	Nominal Roll
revision	3	Processing version of data
ontime	2933.6304038689	Sum of GTIs [s]
livetime	2896.4830092749	Livetime [s]
ontime4	1110.5264622197	Sum of GTIs [s]
ontime5	3121.6070243791	Sum of GTIs [s]
ontime6	1248.2973204479	Sum of GTIs [s]
ontime7	2933.6304038689	Sum of GTIs [s]
ontime8	1233.7268828154	Sum of GTIs [s]
ontime9	1210.8344626352	Sum of GTIs [s]
l2events	896751	Number of level 2 events

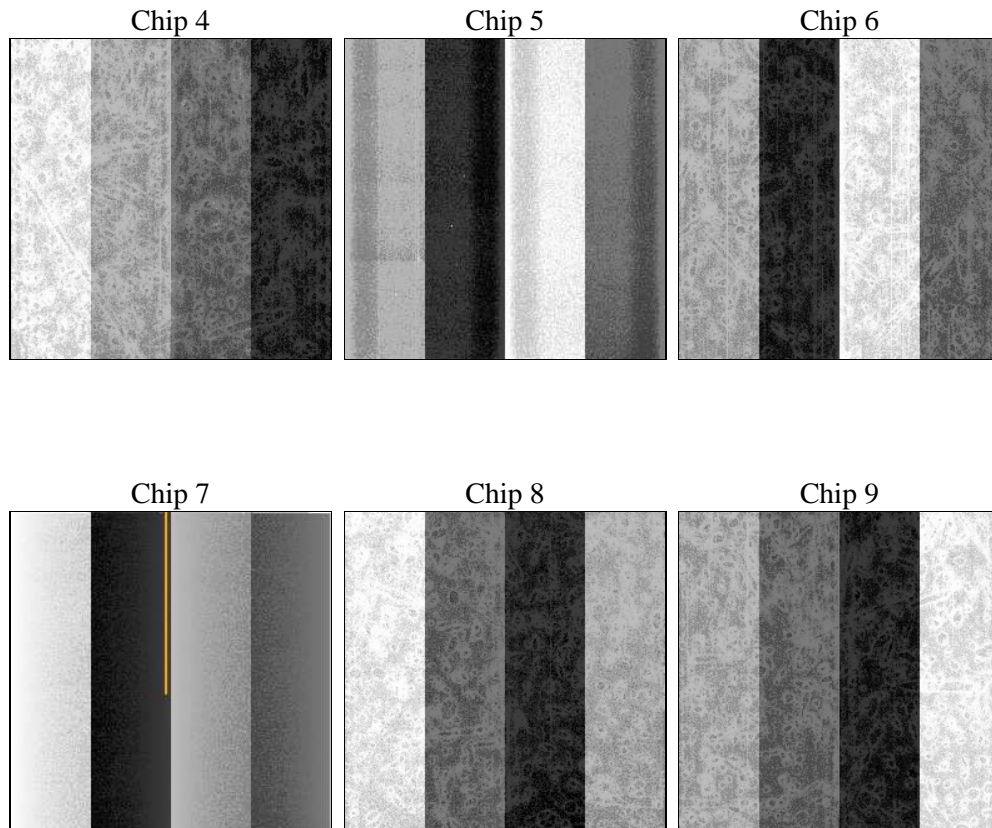
2 OBI

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	2009-12-05T16:02:09	Date and time of file creation	ontime	2933.6304038689
revision	3	Processing version of data	ontime4	1110.5264622197
			ontime5	3121.6070243791
			ontime6	1248.2973204479
			ontime7	2933.6304038689
			ontime8	1233.7268828154
			ontime9	1210.8344626352
			l1events	1059602
				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 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	105476	288092	126915	293857	126034	119228	grade 0 events	19737	27727	30021	49676	37517	30683
rejected events	17196	46179	18134	27752	17887	17790		18%	9%	23%	16%	29%	25%
rejected %	16%	16%	14%	9%	14%	14%	grade 1 events	75	164	105	128	149	136
								0%	0%	0%	0%	0%	0%
							grade 2 events	48210	93947	51333	74168	43361	45561
								45%	32%	40%	25%	34%	38%
							grade 3 events	2044	12813	3080	23523	3908	3074
								1%	4%	2%	8%	3%	2%
							grade 4 events	2036	11042	3024	21102	3870	3244
								1%	3%	2%	7%	3%	2%
							grade 5 events	898	4883	1064	4172	1108	1026
								0%	1%	0%	1%	0%	0%
							grade 6 events	16253	96384	21323	97636	19491	18876
								15%	33%	16%	33%	15%	15%
							grade 7 events	16223	41132	16965	23452	16630	16628
								15%	14%	13%	7%	13%	13%

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	131.3756468302324	Alternating exposures requested	N	N
Pointing Dec	0	34.34442179088108	Primary exposure time	3.2	3.2
Pointing Roll	0.0	151.3637407893335			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	64874420.244237	64874419.475825			
Observation start date	2000-01-21T20:40:20	2000-01-21T20:40:19			
Observation end time	64915479.695842	64915478.927317			
Observation end date	2000-01-22T08:04:40	2000-01-22T08:04:38			
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)	2010.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9336304038689

A.2 Comments

The focal plane temperature is approximately -110C during this observation.

The ACIS CTI correction has not been calibrated at this temperature because it was early in the mission, and ACIS had not yet been lowered to the standard -119.7 C. Both front- and back-illuminated chips are affected. However, a T_GAIN correction has been applied to the BI chips

(ACIS-5 and ACIS-7) data included here.