

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62201 - L2 Version 3

Chandra X-Ray Center

L2 Processing Date : Dec 5 2009

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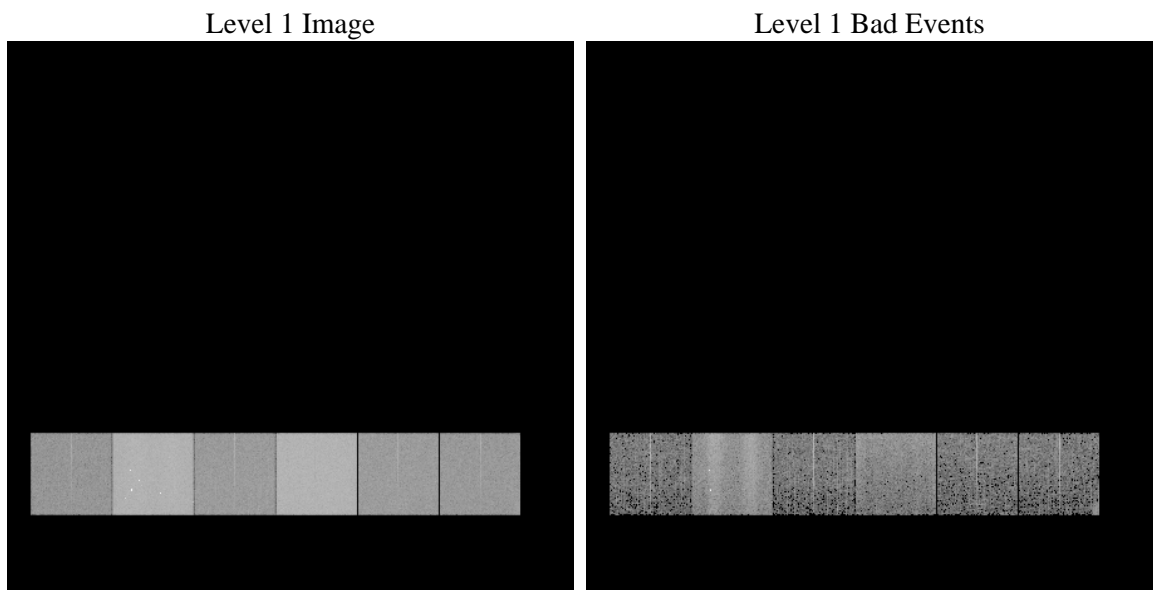
1 Front

seq_num	 	Sequence number
obs_id	62201	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	206.79379977981	Nominal RA
dec_nom	-32.870628921789	Nominal Dec
roll_nom	67.813584822575	Nominal Roll
revision	3	Processing version of data
ontime	2935.7197277173	Sum of GTIs [s]
livetime	2898.5458768468	Livetime [s]
ontime4	1095.4701455832	Sum of GTIs [s]
ontime5	3104.9035083503	Sum of GTIs [s]
ontime6	1257.5222057551	Sum of GTIs [s]
ontime7	2935.7197277173	Sum of GTIs [s]
ontime8	1270.486226134	Sum of GTIs [s]
ontime9	1205.6654559448	Sum of GTIs [s]
l2events	896872	Number of level 2 events

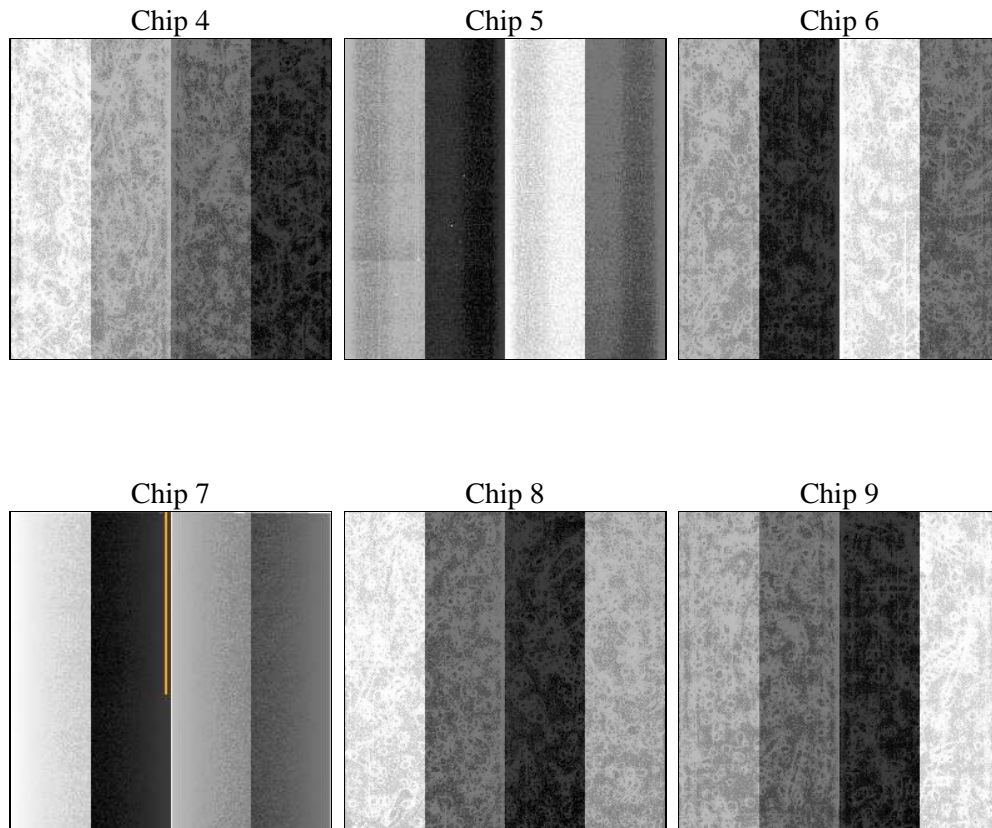
2 OBI

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
caldbver	4.1.4	 		Scheduled observation exposure time
date	2009-12-05T17:06:55	Date and time of file creation	ontime	2935.7197277173
revision	3	Processing version of data	ontime4	1095.4701455832
			ontime5	3104.9035083503
			ontime6	1257.5222057551
			ontime7	2935.7197277173
			ontime8	1270.486226134
			ontime9	1205.6654559448
			l1events	1061710
				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	104751	287215	127897	293419	130531	117897	grade 0 events	19852	26416	29532	48597	39779	31244
rejected events	17662	48709	19387	29787	18630	17716		18%	9%	23%	16%	30%	26%
rejected %	16%	16%	15%	10%	14%	15%	grade 1 events	81	286	114	140	186	151
								0%	0%	0%	0%	0%	0%
							grade 2 events	47297	93143	51673	73780	44351	44024
								45%	32%	40%	25%	33%	37%
							grade 3 events	1978	12207	3035	22550	4090	3217
								1%	4%	2%	7%	3%	2%
							grade 4 events	2063	10590	2974	20658	4122	3188
								1%	3%	2%	7%	3%	2%
							grade 5 events	875	5008	1025	4183	1118	1023
								0%	1%	0%	1%	0%	0%
							grade 6 events	16163	96986	21593	99075	20082	18783
								15%	33%	16%	33%	15%	15%
							grade 7 events	16442	42579	17951	24436	16803	16267
								15%	14%	14%	8%	12%	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	206.7937997798082	Alternating exposures requested	N	N
Pointing Dec	0	-32.87062892178893	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	67.81358482257525			
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	65371963.462	65371962.693913			
Observation start date	2000-01-27T14:52:43	2000-01-27T14:52:42			
Observation end time	65379263.513	65379262.744178			
Observation end date	2000-01-27T16:54:24	2000-01-27T16:54:22			
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)	2010.01.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9357197277173

A.2 Comments

The focal plane temperature is approximately -110C during this observation. This reprocessing of the data applies no CTI correction because none is available for this temperature at present.

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.