

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62200 - L2 Version 3

Chandra X-Ray Center

L2 Processing Date : Dec 5 2009

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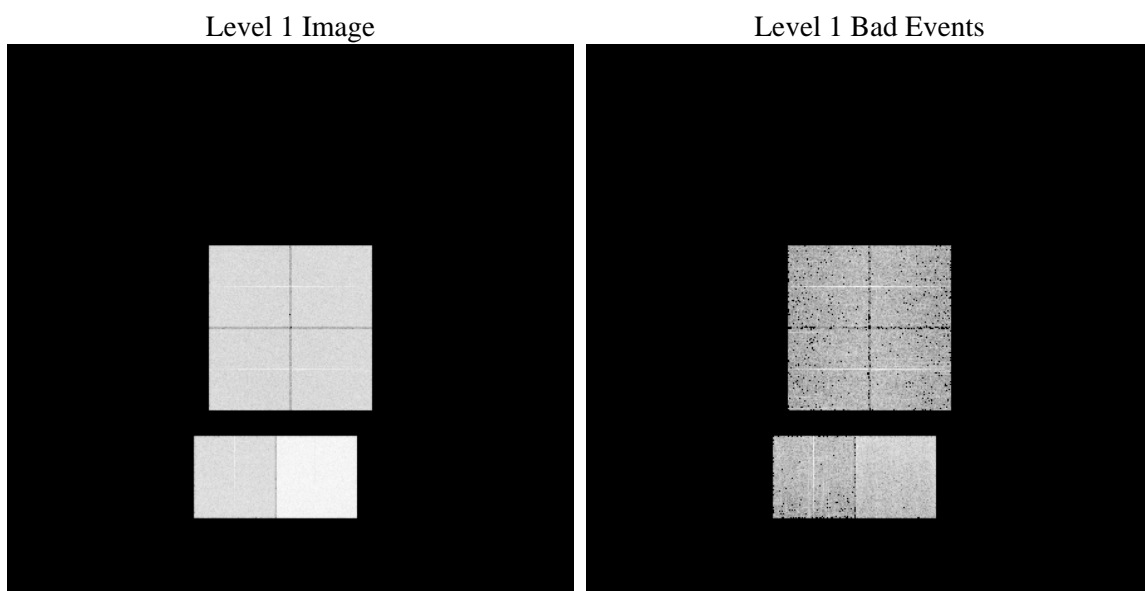
1 Front

seq_num	 	Sequence number
obs_id	62200	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	206.79354005263	Nominal RA
dec_nom	-32.869757386674	Nominal Dec
roll_nom	67.813066041319	Nominal Roll
revision	3	Processing version of data
ontime	3510.0233950168	Sum of GTIs [s]
livetime	3465.5773653067	Livetime [s]
ontime0	1401.5435785428	Sum of GTIs [s]
ontime1	1432.5381865874	Sum of GTIs [s]
ontime2	1330.1586782634	Sum of GTIs [s]
ontime3	1361.235416159	Sum of GTIs [s]
ontime6	1520.0461869761	Sum of GTIs [s]
ontime7	3510.0233950168	Sum of GTIs [s]
l2events	896438	Number of level 2 events

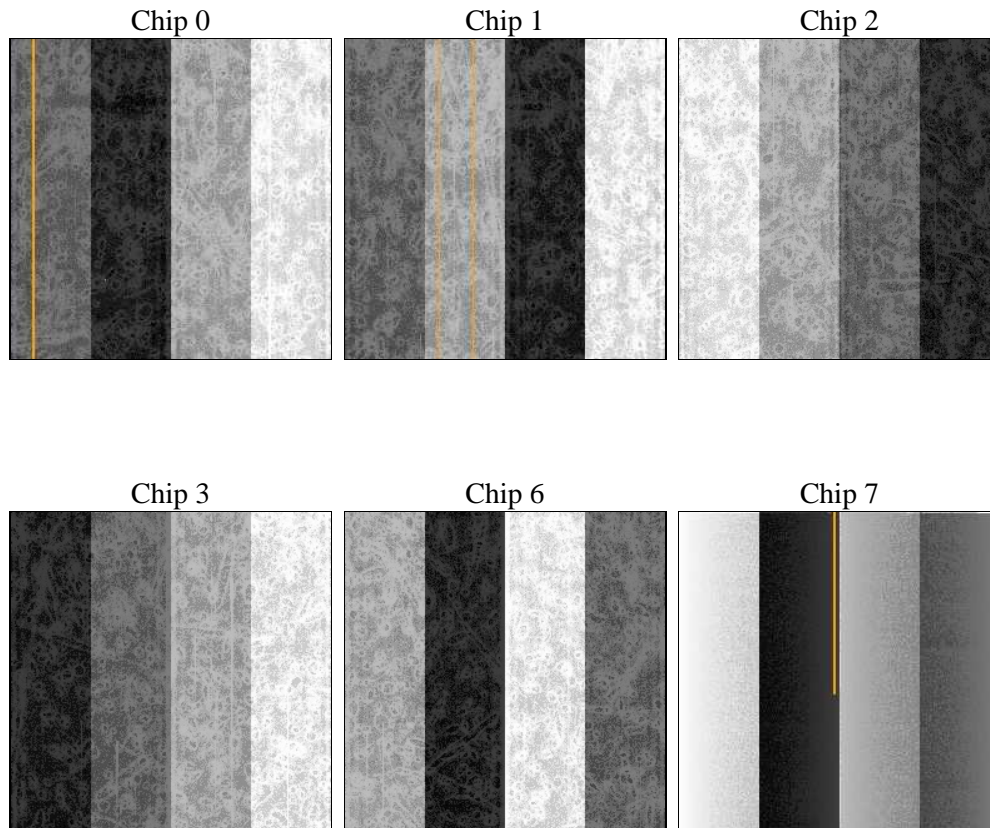
2 OBI

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	2009-12-05T17:09:16	Date and time of file creation	ontime	3510.0233950168
revision	3	Processing version of data	ontime0	1401.5435785428
			ontime1	1432.5381865874
			ontime2	1330.1586782634
			ontime3	1361.235416159
			ontime6	1520.0461869761
			ontime7	3510.0233950168
			l1events	1056640
				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	136959	140587	131950	136398	155555	355191	grade 0 events	43473	44418	34783	37936	37036	59038
rejected events	20817	20743	21677	22196	24716	40688		31%	31%	26%	27%	23%	16%
rejected %	15%	14%	16%	16%	15%	11%	grade 1 events	179	184	140	151	143	155
								0%	0%	0%	0%	0%	0%
							grade 2 events	45205	46816	50659	50194	62854	89978
								33%	33%	38%	36%	40%	25%
							grade 3 events	4533	4720	3646	3953	3852	28066
								3%	3%	2%	2%	2%	7%
							grade 4 events	4696	4814	3623	3872	3733	25453
								3%	3%	2%	2%	2%	7%
							grade 5 events	1126	1118	1094	1248	1253	5037
								0%	0%	0%	0%	0%	1%
							grade 6 events	20993	21501	20437	20930	26121	119019
								15%	15%	15%	15%	16%	33%
							grade 7 events	16754	17016	17568	18114	20563	28445
								12%	12%	13%	13%	13%	8%

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	206.7935400526295	Alternating exposures requested	N	N
Pointing Dec	0	-32.86975738667405	Primary exposure time	3.2	3.2
Pointing Roll	0.0	67.81306604131893			
SIM focus pos (mm)	-0.782348	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	65379263.512692	65379262.744178			
Observation start date	2000-01-27T16:54:24	2000-01-27T16:54:22			
Observation end time	65386563.562958	65386562.794444			
Observation end date	2000-01-27T18:56:04	2000-01-27T18:56:02			
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	3.5100233950168

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.