

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62226 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Dec 2 2009

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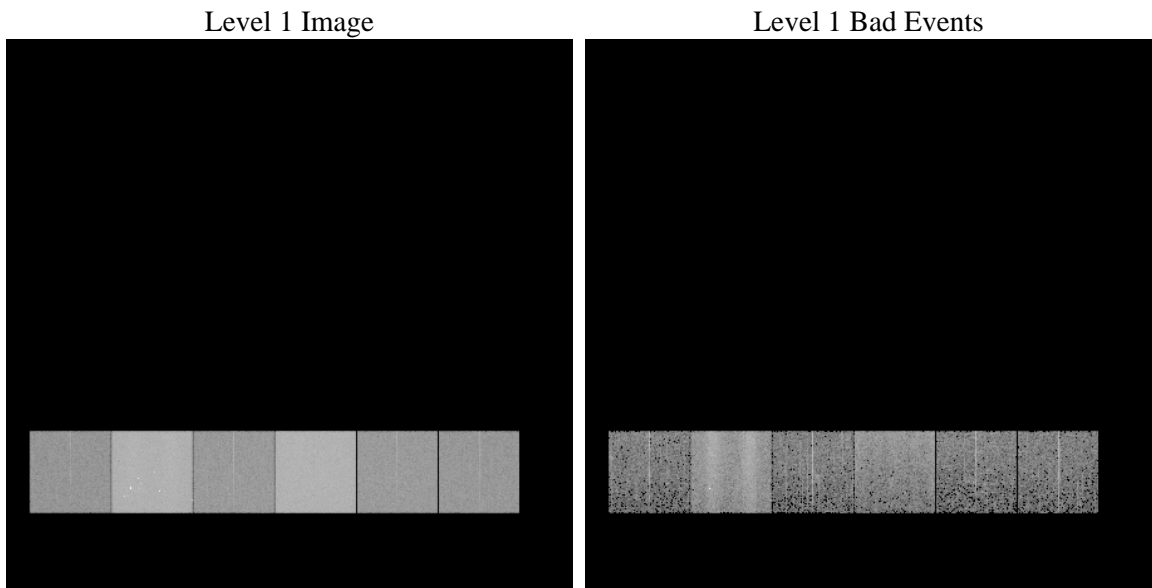
1 Front

seq_num	 	Sequence number
obs_id	62226	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	63.660845827302	Nominal RA
dec_nom	5.5675511467964	Nominal Dec
roll_nom	293.16045486387	Nominal Roll
revision	4	Processing version of data
ontime	2871.8879407719	Sum of GTIs [s]
livetime	2835.5223664225	Livetime [s]
ontime4	1100.4460306093	Sum of GTIs [s]
ontime5	3059.8652490675	Sum of GTIs [s]
ontime6	1222.2052700594	Sum of GTIs [s]
ontime7	2871.8879407719	Sum of GTIs [s]
ontime8	1243.0926413834	Sum of GTIs [s]
ontime9	1168.3435212374	Sum of GTIs [s]
l2events	901971	Number of level 2 events

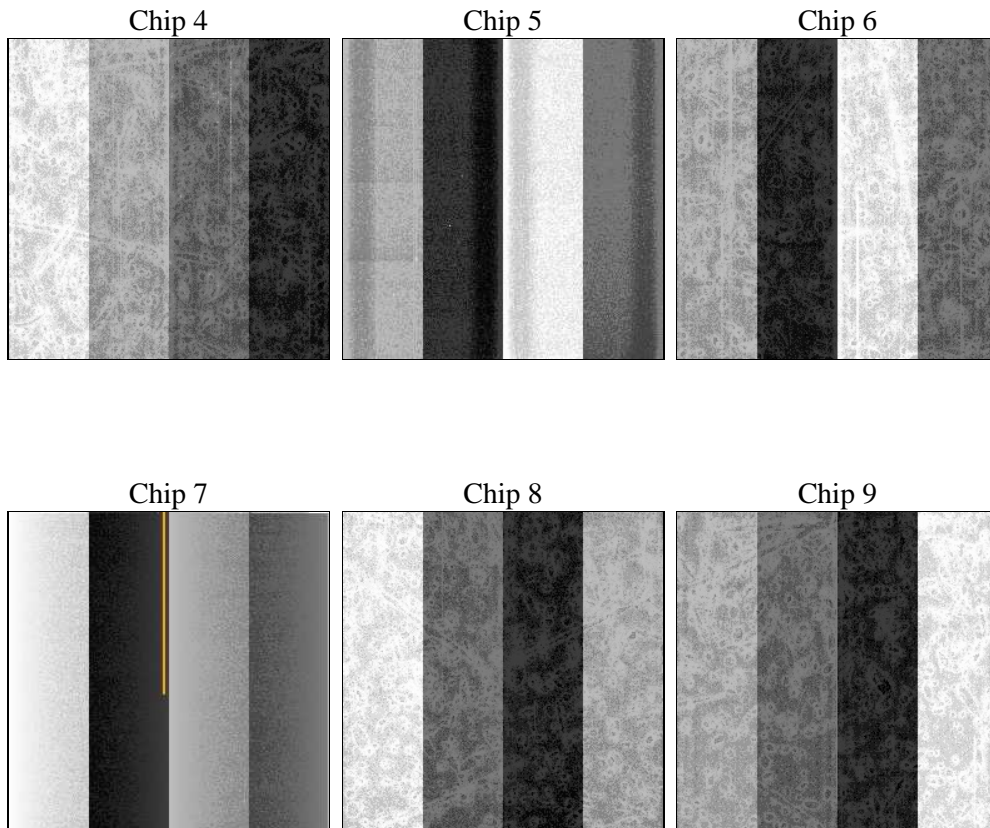
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	Scheduled observation exposure time
ascdsver	8.1.2	ASCDS version number	ontime	2871.8879407719	Sum of GTIs [s]
caldbver	4.1.4	 	ontime4	1100.4460306093	Sum of GTIs [s]
date	2009-12-02T20:54:36	Date and time of file creation	ontime5	3059.8652490675	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	1222.2052700594	Sum of GTIs [s]
			ontime7	2871.8879407719	Sum of GTIs [s]
			ontime8	1243.0926413834	Sum of GTIs [s]
			ontime9	1168.3435212374	Sum of GTIs [s]
			l1events	1064566	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	106900	288533	127985	294336	130001	116811	grade 0 events	19787	27873	29857	49757	38514	29236
rejected events	17702	47031	19257	28143	18312	17355		18%	9%	23%	16%	29%	25%
rejected %	16%	16%	15%	9%	14%	14%	grade 1 events	95	489	122	122	173	136
								0%	0%	0%	0%	0%	0%
							grade 2 events	48862	92550	51123	73778	44945	45411
								45%	32%	39%	25%	34%	38%
							grade 3 events	2052	12843	3151	23185	4003	3071
								1%	4%	2%	7%	3%	2%
							grade 4 events	1936	10925	3126	21007	4151	3088
								1%	3%	2%	7%	3%	2%
							grade 5 events	908	4775	1070	4056	1138	965
								0%	1%	0%	1%	0%	0%
							grade 6 events	16561	97311	21471	98762	20076	18917
								15%	33%	16%	33%	15%	16%
							grade 7 events	16699	41767	18065	23669	17001	15987
								15%	14%	14%	8%	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	63.66084582730226	Alternating exposures requested	N	N
Pointing Dec	0	5.567551146796411	Primary exposure time	3.2	3.2
Pointing Roll	0.0	293.1604548638705			
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	64188385.669351	64188384.9009			
Observation start date	2000-01-13T22:06:26	2000-01-13T22:06:24			
Observation end time	64229326.220835	64229325.452387			
Observation end date	2000-01-14T09:28:46	2000-01-14T09:28:45			
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	2.8718879407719

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.