

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62229 - L2 Version 4

Chandra X-Ray Center

L2 Processing Date : Dec 2 2009

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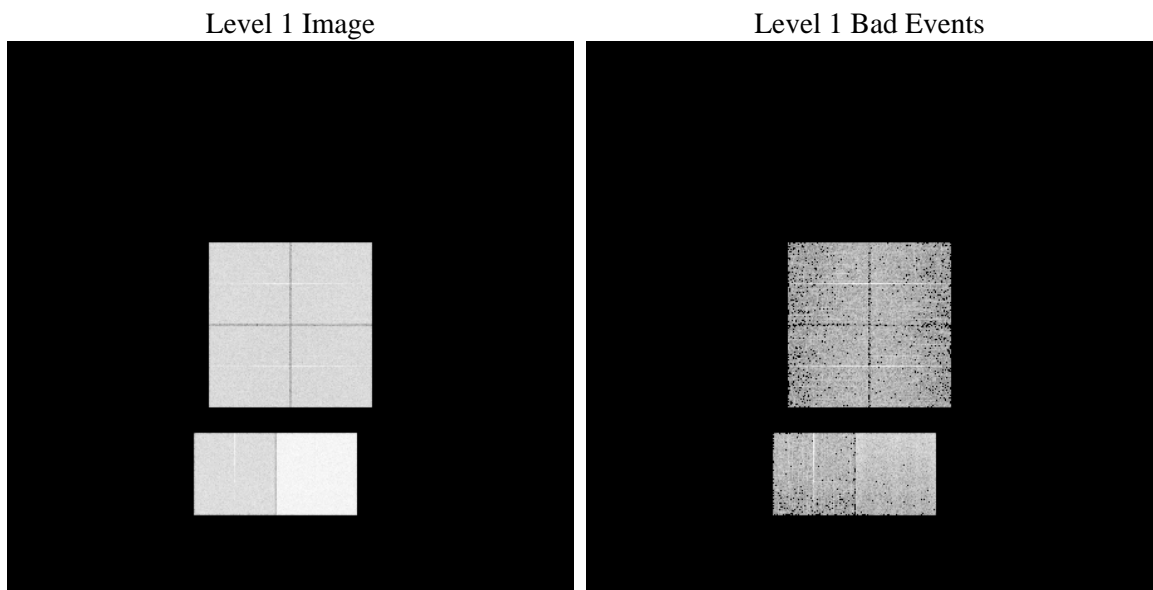
1 Front

seq_num	 	Sequence number
obs_id	62229	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	23.364167502693	Nominal RA
dec_nom	30.535666263631	Nominal Dec
roll_nom	288.47374871746	Nominal Roll
revision	4	Processing version of data
ontime	3558.6394752562	Sum of GTIs [s]
livetime	3513.5778394651	Livetime [s]
ontime0	1415.0549847707	Sum of GTIs [s]
ontime1	1442.261476256	Sum of GTIs [s]
ontime2	1367.7175062522	Sum of GTIs [s]
ontime3	1379.4856745601	Sum of GTIs [s]
ontime6	1516.8052966744	Sum of GTIs [s]
ontime7	3558.6394752562	Sum of GTIs [s]
l2events	918688	Number of level 2 events

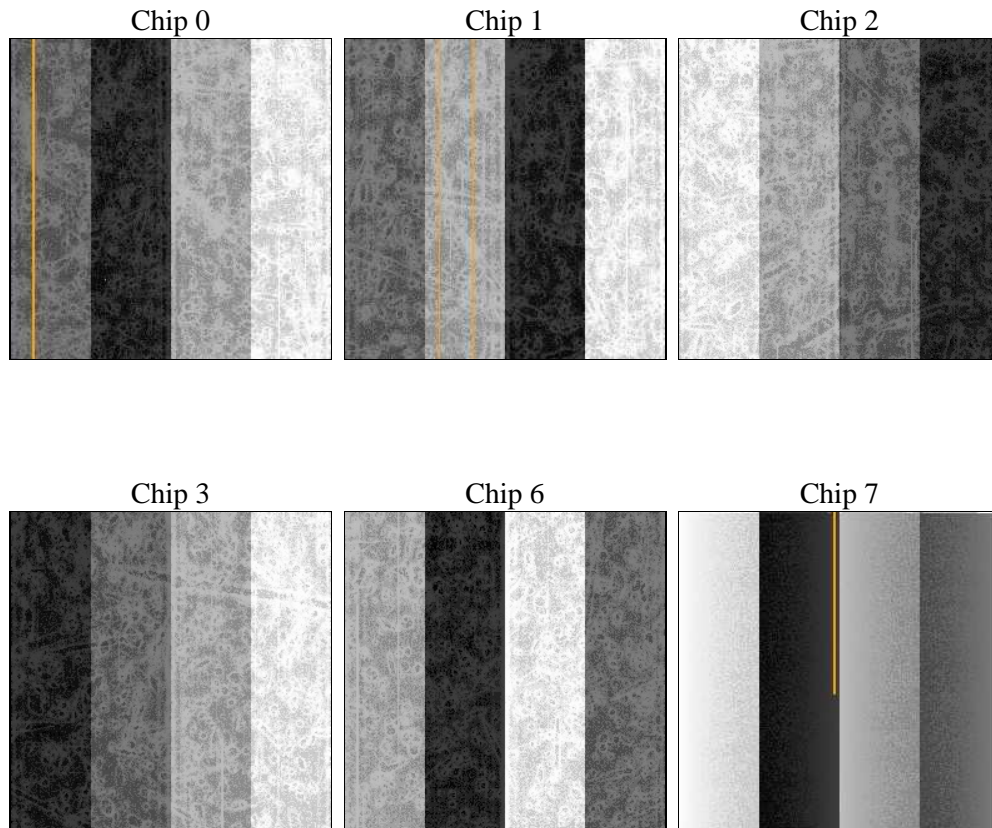
2 OBI

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	2009-12-02T20:47:33	Date and time of file creation	ontime	3558.6394752562
revision	3	Processing version of data	ontime0	1415.0549847707
			ontime1	1442.261476256
			ontime2	1367.7175062522
			ontime3	1379.4856745601
			ontime6	1516.8052966744
			ontime7	3558.6394752562
			l1events	1059813
				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	138817	140969	134101	135269	154048	356609	grade 0 events	44647	45639	36437	38194	36339	59380
rejected events	18824	18691	18838	18765	22686	33617		32%	32%	27%	28%	23%	16%
rejected %	13%	13%	14%	13%	14%	9%	grade 1 events	195	160	136	174	140	112
								0%	0%	0%	0%	0%	0%
							grade 2 events	44984	45643	50562	50110	61511	90663
								32%	32%	37%	37%	39%	25%
							grade 3 events	4878	4853	3762	3958	3817	27691
								3%	3%	2%	2%	2%	7%
							grade 4 events	4655	4883	3802	3944	3848	25515
								3%	3%	2%	2%	2%	7%
							grade 5 events	1147	1214	1132	1109	1233	4876
								0%	0%	0%	0%	0%	1%
							grade 6 events	20829	21260	20700	20298	25847	119743
								15%	15%	15%	15%	16%	33%
							grade 7 events	17482	17317	17570	17482	21313	28629
								12%	12%	13%	12%	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	23.36416750269325	Alternating exposures requested	N	N
Pointing Dec	0	30.53566626363133	Primary exposure time	3.2	3.2
Pointing Roll	0.0	288.473748717462			
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	64009869.612878	64009868.844416			
Observation start date	2000-01-11T20:31:10	2000-01-11T20:31:08			
Observation end time	64017169.663143	64017168.894681			
Observation end date	2000-01-11T22:32:50	2000-01-11T22:32:48			
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)	2010.01.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.5586394752562

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.