

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62706 - L2 Version 3

Chandra X-Ray Center

L2 Processing Date : Mar 31 2010

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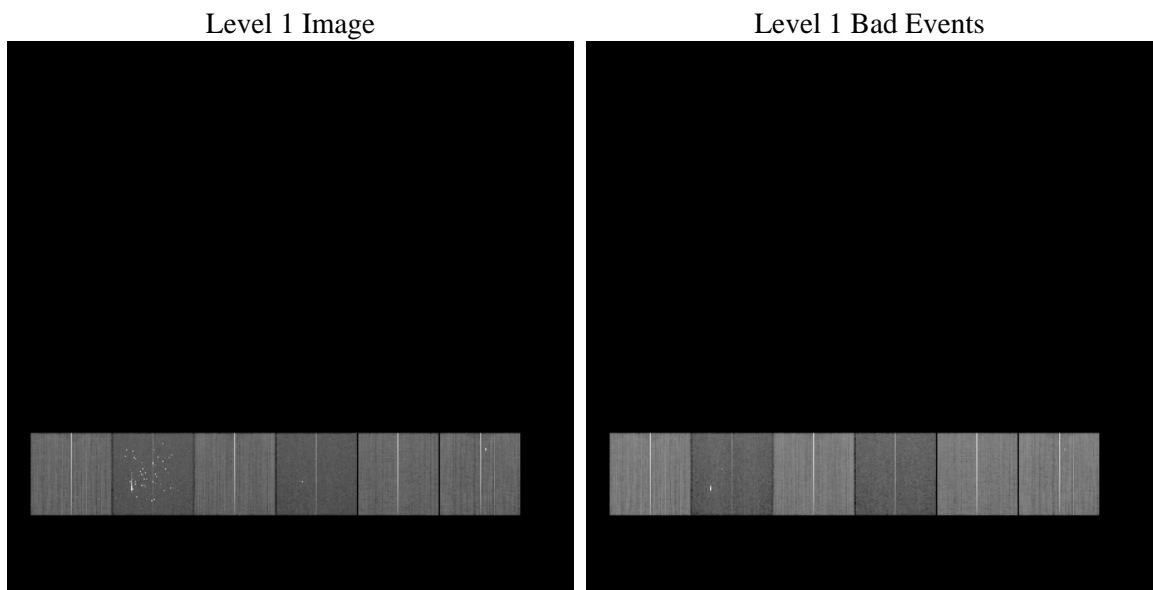
1 Front

seq_num	0	Sequence number
obs_id	62706	Observation id
title	ACIS-S background measurement	Proposal title
observer	CHANDRA orbital activation and checkout	Principal investigator
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	243.69822830079	Nominal RA
dec_nom	-57.15363031515	Nominal Dec
roll_nom	274.87127536636	Nominal Roll
revision	3	Processing version of data
ontime	20440.19998154	Sum of GTIs [s]
livetime	20189.120734587	Livetime [s]
ontime4	20436.859031327	Sum of GTIs [s]
ontime5	20440.19998154	Sum of GTIs [s]
ontime6	20440.19998154	Sum of GTIs [s]
ontime7	20440.19998154	Sum of GTIs [s]
ontime8	20440.19998154	Sum of GTIs [s]
ontime9	20440.19998154	Sum of GTIs [s]
l2events	280609	Number of level 2 events

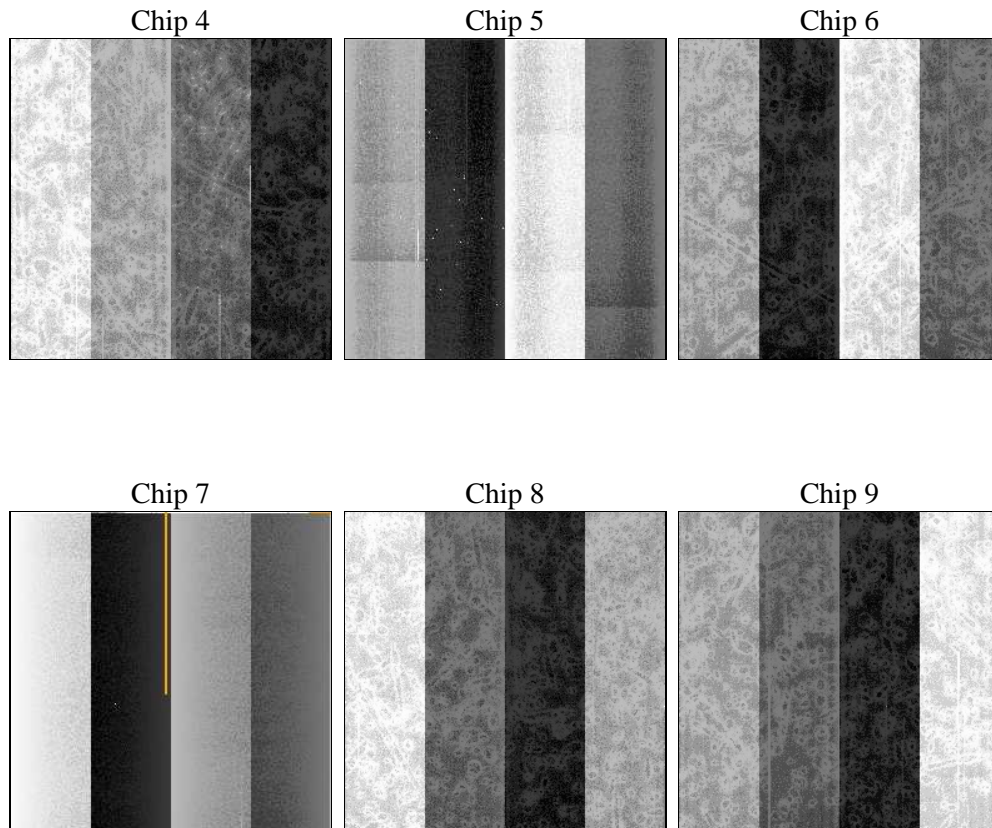
2 OBI

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	8.2.1	ASCDS version number	ontime	20440.19998154	Sum of GTIs [s]
caldsver	4.1.5	 	ontime4	20436.859031327	Sum of GTIs [s]
date	2010-03-31T21:06:50	Date and time of file creation	ontime5	20440.19998154	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	20440.19998154	Sum of GTIs [s]
			ontime7	20440.19998154	Sum of GTIs [s]
			ontime8	20440.19998154	Sum of GTIs [s]
			ontime9	20440.19998154	Sum of GTIs [s]
			l1events	3103440	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	592697	464954	582295	292203	578429	592862	grade 0 events	9527	115921	8361	10698	13262	19786
rejected events	572412	205196	562701	193622	540780	561389		1%	24%	1%	3%	2%	3%
rejected %	96%	44%	96%	66%	93%	94%	grade 1 events	127	1050	79	179	156	221
								0%	0%	0%	0%	0%	0%
							grade 2 events	4005	52377	3621	16437	10094	3757
								0%	11%	0%	5%	1%	0%
							grade 3 events	1893	13948	1949	10020	3265	2056
								0%	2%	0%	3%	0%	0%
							grade 4 events	1843	13116	1924	8564	2922	2065
								0%	2%	0%	2%	0%	0%
							grade 5 events	4904	18493	5979	18060	7767	6420
								0%	3%	1%	6%	1%	1%
							grade 6 events	3020	64439	3741	52874	8110	3814
								0%	13%	0%	18%	1%	0%
							grade 7 events	567378	185610	556641	175371	532853	554743
								95%	39%	95%	60%	92%	93%

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	243.6982283007852	Alternating exposures requested	N	N
Pointing Dec	0	-57.15363031515019	Primary exposure time	0.000000	3.3
Pointing Roll	0.0	274.8712753663598			
SIM focus pos (mm)	-0.684267	0.255451383487682			
SIM defocus (mm)	0	0.9397188447875782			
SIM translation stage pos (mm)	-190.132523	-190.1325231039672			
SIM translation stage offset (mm)	0	5.209593894051068e-07			
Observation start time	50673723.929	50673723.074858			
Observation start date	1999-08-10T12:02:04	1999-08-10T12:02:03			
Observation end time	50696220.792	50696219.775652			
Observation end date	1999-08-10T18:17:01	1999-08-10T18:16:59			
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)	2010.04.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.44019998154

A.2 Comments

The focal plane temperature is warmer than -100C 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.

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A smattering of cosmic ray hits is visible on ACIS-5.