

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62738 - L2 Version 3

Chandra X-Ray Center

L2 Processing Date : Mar 31 2010

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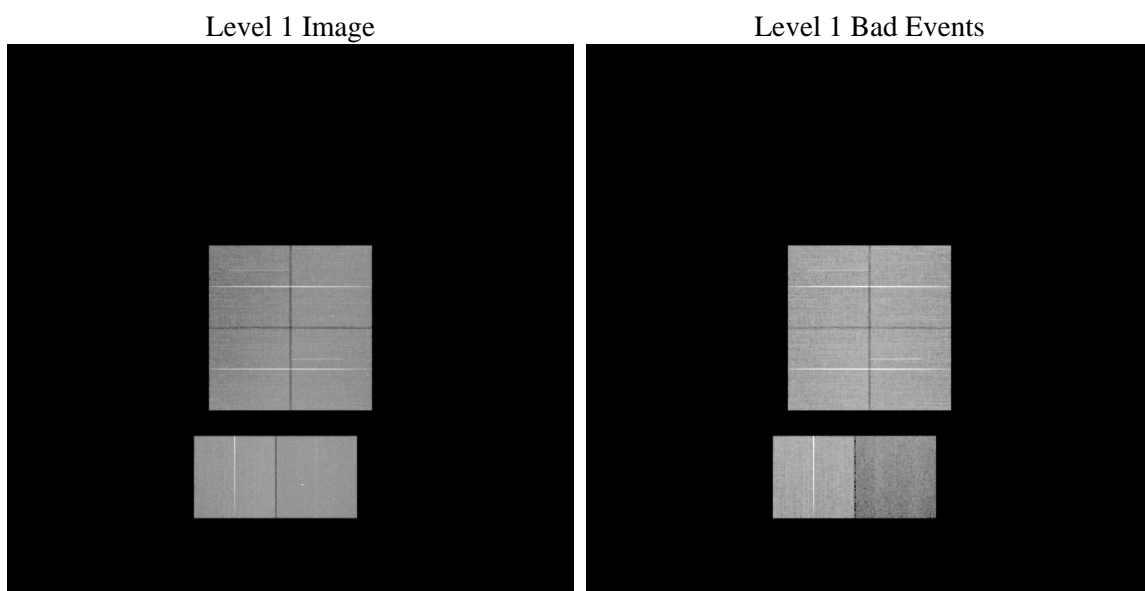
1 Front

seq_num	0	Sequence number
obs_id	62738	Observation id
title	ACIS-I; background	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	89.934771620824	Nominal RA
dec_nom	-66.551011476538	Nominal Dec
roll_nom	130.46720175315	Nominal Roll
revision	3	Processing version of data
ontime	23688.449035019	Sum of GTIs [s]
livetime	23397.469594965	Livetime [s]
ontime0	23558.148614667	Sum of GTIs [s]
ontime1	23564.830555022	Sum of GTIs [s]
ontime2	23558.148475021	Sum of GTIs [s]
ontime3	23558.148584738	Sum of GTIs [s]
ontime6	23571.512635022	Sum of GTIs [s]
ontime7	23688.449035019	Sum of GTIs [s]
l2events	972848	Number of level 2 events

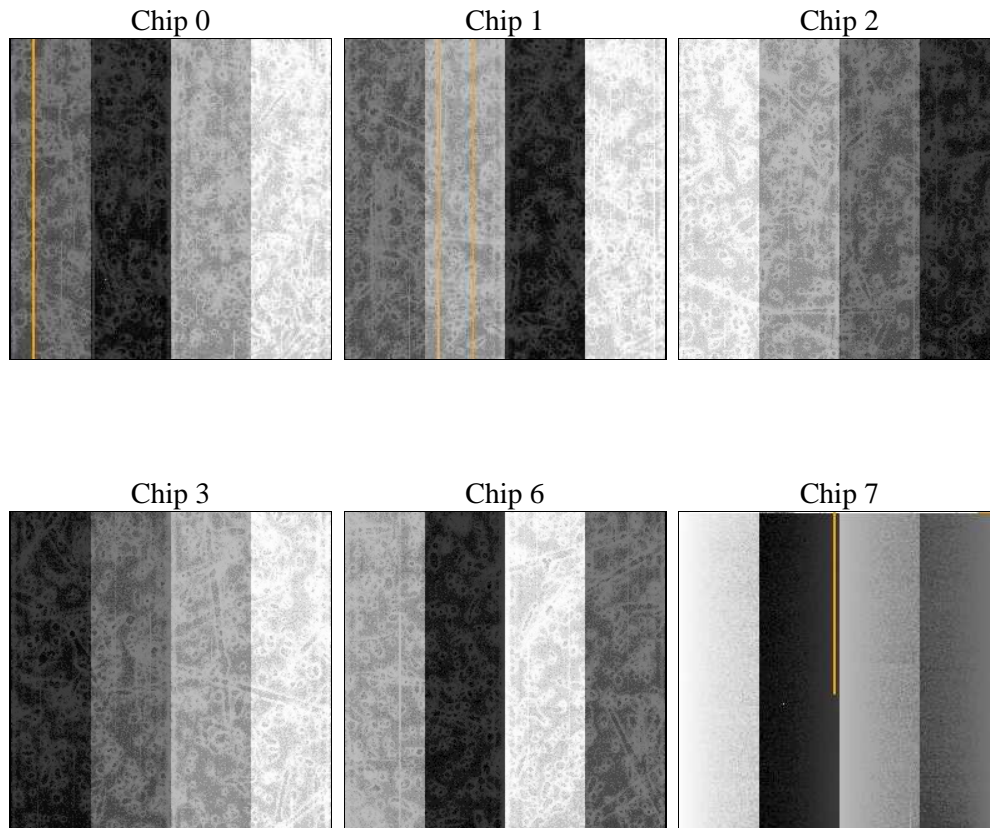
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number		
ascdsver	8.2.1	ASCDS version number	sched_exp_time	0.0
caldsver	4.1.5	 		
date	2010-03-31T21:16:14	Date and time of file creation	ontime	23688.449035019
revision	3	Processing version of data	ontime0	23558.148614667
			ontime1	23564.830555022
			ontime2	23558.148475021
			ontime3	23558.148584738
			ontime6	23571.512635022
			ontime7	23688.449035019
			l1events	2091627

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	242596	344242	314770	371029	432801	386189	grade 0 events	22958	75728	53229	85350	111509	63898
rejected events	197199	196296	214208	207134	211064	63772		9%	21%	16%	23%	25%	16%
rejected %	81%	57%	68%	55%	48%	16%	grade 1 events	232	611	420	707	895	291
								0%	0%	0%	0%	0%	0%
							grade 2 events	8015	25757	17336	28497	38253	64048
								3%	7%	5%	7%	8%	16%
							grade 3 events	3764	10860	7220	11579	15104	37300
								1%	3%	2%	3%	3%	9%
							grade 4 events	3639	10829	7257	11577	15135	32280
								1%	3%	2%	3%	3%	8%
							grade 5 events	3351	4120	3321	4106	4537	13086
								1%	1%	1%	1%	1%	3%
							grade 6 events	7131	24910	15621	26987	41852	125498
								2%	7%	4%	7%	9%	32%
							grade 7 events	193506	191427	210366	202226	205516	49788
								79%	55%	66%	54%	47%	12%

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	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	89.93477162082385	Alternating exposures requested	N	N
Pointing Dec	0	-66.55101147653819	Primary exposure time	3.3	3.3
Pointing Roll	0.0	130.4672017531538			
SIM focus pos (mm)	0.255451383487682	0.255451383487682			
SIM defocus (mm)	1.037799581826115	1.037799581826115			
SIM translation stage pos (mm)	-190.1325231039672	-190.1325231039672			
SIM translation stage offset (mm)	-43.45993998746459	-43.45993998746459			
Observation start time	50842209.029	50842209.029			
Observation start date	1999-08-12T10:50:09	1999-08-12T10:50:09			
Observation end time	50871831.8990241	50871831.8990241			
Observation end date	1999-08-12T19:03:52	1999-08-12T19:03:51			
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	23.688449035019

A.2 Comments

The focal plane temperature is warmer than -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 chip (ACIS-7) data included here.