

V&V Reference Report

L2 ASCDS Version : 8.3.2

Observation 62741 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Aug 15 2010

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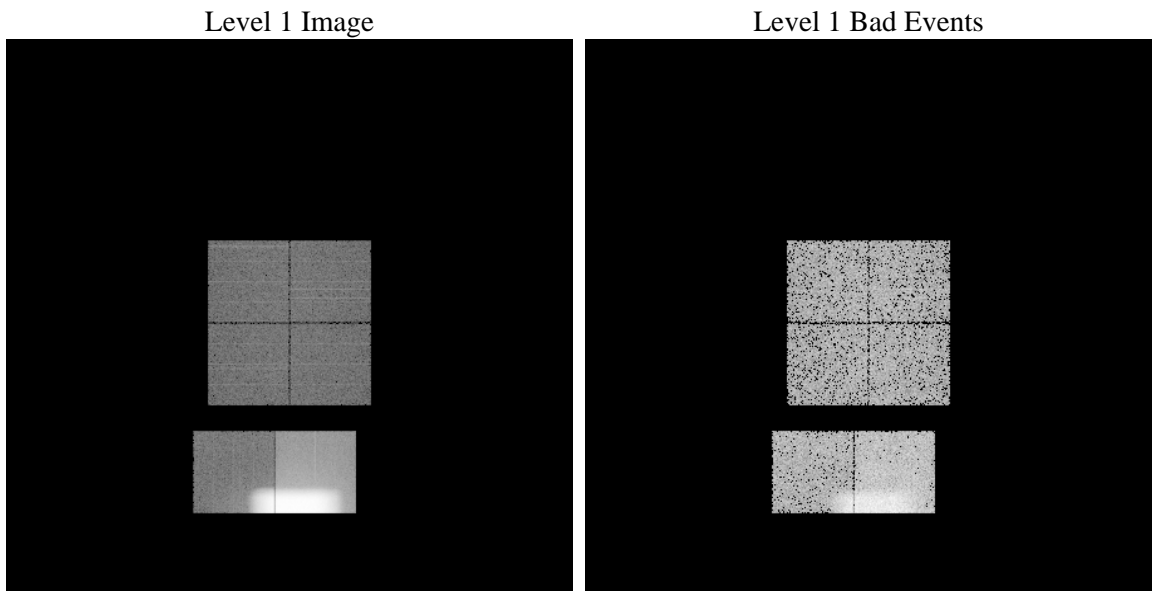
1 Front

seq_num	0	Sequence number
obs_id	62741	Observation id
title	ACIS-I, no g7 events, internal cal	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	228.6892525623	Nominal RA
dec_nom	8.685037268721	Nominal Dec
roll_nom	250.32644076476	Nominal Roll
revision	4	Processing version of data
ontime	14315.090655625	Sum of GTIs [s]
livetime	14139.249803523	Livetime [s]
ontime0	14315.049615622	Sum of GTIs [s]
ontime1	14315.008575626	Sum of GTIs [s]
ontime2	14314.967535622	Sum of GTIs [s]
ontime3	14314.926495627	Sum of GTIs [s]
ontime6	14314.885455623	Sum of GTIs [s]
ontime7	14315.090655625	Sum of GTIs [s]
l2events	1163435	Number of level 2 events

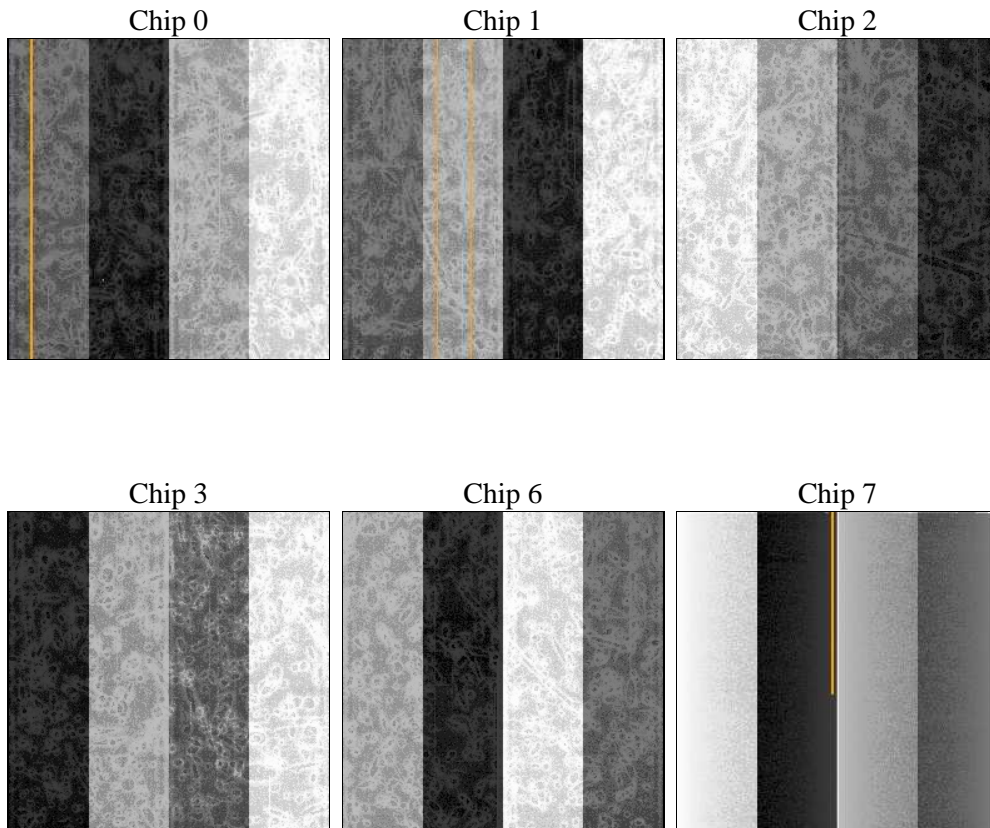
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	<table><tr><td>sched_exp_time</td><td>0.0</td><td>Scheduled observation exposure time</td></tr><tr><td>ontime</td><td>14315.090655625</td><td>Sum of GTIs [s]</td></tr><tr><td>ontime0</td><td>14315.049615622</td><td>Sum of GTIs [s]</td></tr><tr><td>ontime1</td><td>14315.008575626</td><td>Sum of GTIs [s]</td></tr><tr><td>ontime2</td><td>14314.967535622</td><td>Sum of GTIs [s]</td></tr><tr><td>ontime3</td><td>14314.926495627</td><td>Sum of GTIs [s]</td></tr><tr><td>ontime6</td><td>14314.885455623</td><td>Sum of GTIs [s]</td></tr><tr><td>ontime7</td><td>14315.090655625</td><td>Sum of GTIs [s]</td></tr><tr><td>l1events</td><td>1261546</td><td>Number of level 1 events</td></tr></table>	sched_exp_time	0.0	Scheduled observation exposure time	ontime	14315.090655625	Sum of GTIs [s]	ontime0	14315.049615622	Sum of GTIs [s]	ontime1	14315.008575626	Sum of GTIs [s]	ontime2	14314.967535622	Sum of GTIs [s]	ontime3	14314.926495627	Sum of GTIs [s]	ontime6	14314.885455623	Sum of GTIs [s]	ontime7	14315.090655625	Sum of GTIs [s]	l1events	1261546	Number of level 1 events
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ontime7	14315.090655625	Sum of GTIs [s]																												
l1events	1261546	Number of level 1 events																												
ascdsver	8.3.2	ASCDS version number																												
caldsver	4.3.0	 																												
date	2010-08-15T12:57:24	Date and time of file creation																												
revision	4	Processing version of data																												

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	37084	37376	36089	35859	204050	911088
rejected events	10197	10386	10090	10312	14294	28164
rejected %	27%	27%	27%	28%	7%	3%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	6717	6449	6696	6359	77317	178122
	18%	17%	18%	17%	37%	19%
grade 1 events	71	66	78	68	722	886
	0%	0%	0%	0%	0%	0%
grade 2 events	5884	5563	5501	5303	35322	203913
	15%	14%	15%	14%	17%	22%
grade 3 events	2644	2715	2522	2570	13971	71408
	7%	7%	6%	7%	6%	7%
grade 4 events	2382	2631	2313	2336	13822	70298
	6%	7%	6%	6%	6%	7%
grade 5 events	9989	10163	9891	10160	12919	24132
	26%	27%	27%	28%	6%	2%
grade 6 events	9348	9715	9088	9063	49977	362302
	25%	25%	25%	25%	24%	39%
grade 7 events	49	74	0	0	0	27
	0%	0%	0%	0%	0%	0%

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	228.6892525622956	Alternating exposures requested	N	N
Pointing Dec	0	8.685037268721047	Primary exposure time	0.000000	3.3
Pointing Roll	0.0	250.3264407647606			
SIM focus pos (mm)	-0.782348	0.255451383487682			
SIM defocus (mm)	0	0.9397188447875782			
SIM translation stage pos (mm)	-233.592463	-190.1325231039672			
SIM translation stage offset (mm)	0	5.209593894051068e-07			
Observation start time	49870347.892	49870344.446681			
Observation start date	1999-08-01T04:52:28	1999-08-01T04:52:24			
Observation end time	49886598.538	49886594.797235			
Observation end date	1999-08-01T09:23:19	1999-08-01T09:23:14			
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)	2010.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.315090655625

A.2 Comments

This ACIS internal calibration observation was acquired before the ACIS door was open. A reflection of the door is visible in the image.

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The ACIS focal plane temperature is warmer than -118.7 C degrees during the interval 49872114.90 - 49875919.80 (MET s) of this observation. The ACIS spectral response calibration for the front-illuminated chips is less accurate at these warmer temperatures than it is at -119.7 C. The back-illuminated chips are not affected at the focal plane temperatures recorded for this observation.