

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62695 - L2 Version 3

Chandra X-Ray Center

L2 Processing Date : Mar 31 2010

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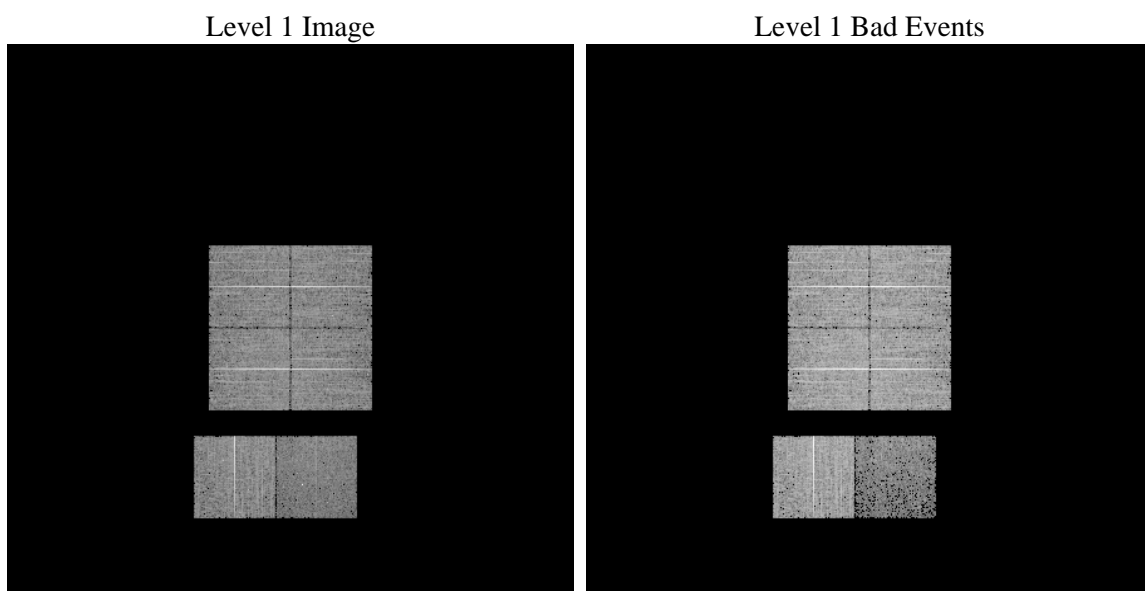
1 Front

seq_num	 	Sequence number
obs_id	62695	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	94.985242322182	Nominal RA
dec_nom	-64.398815760146	Nominal Dec
roll_nom	145.09927464577	Nominal Roll
revision	3	Processing version of data
ontime	4982.9999954998	Sum of GTIs [s]
livetime	4921.7908151802	Livetime [s]
ontime0	4982.9999954998	Sum of GTIs [s]
ontime1	4982.9999954998	Sum of GTIs [s]
ontime2	4982.9999954998	Sum of GTIs [s]
ontime3	4982.9999954998	Sum of GTIs [s]
ontime6	4982.9999954998	Sum of GTIs [s]
ontime7	4982.9999954998	Sum of GTIs [s]
l2events	26664	Number of level 2 events

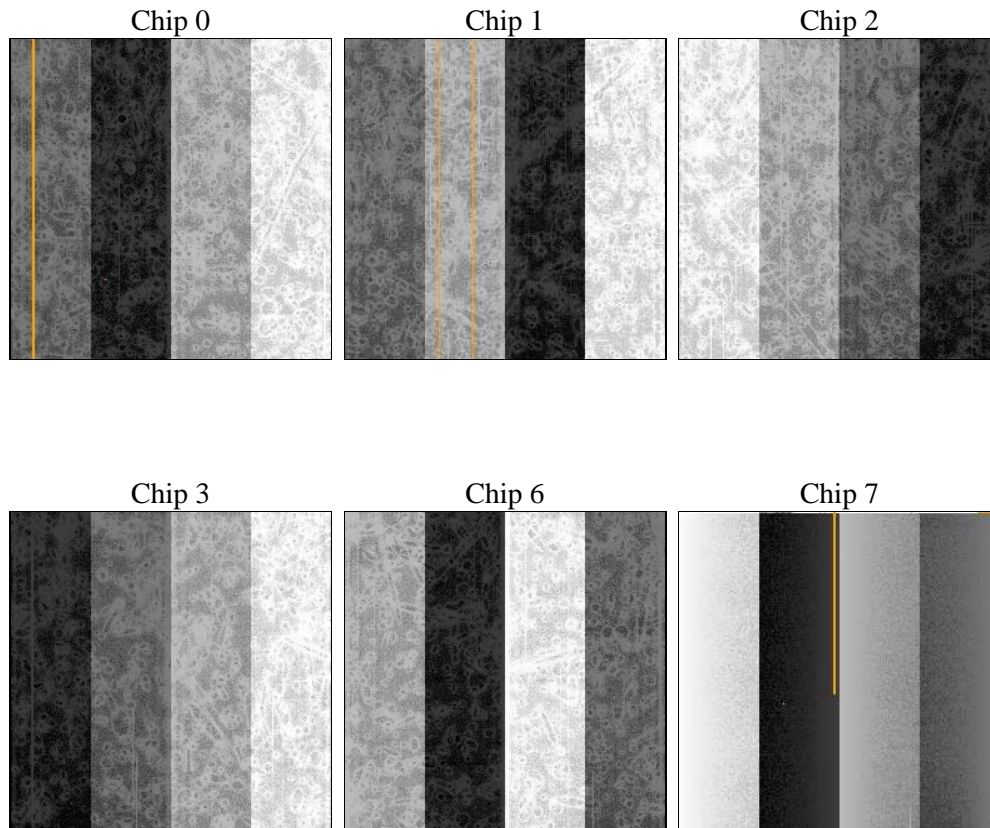
2 OBI

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
caldsver	4.1.5	
date	2010-03-31T21:21:11	Date and time of file creation
revision	3	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	4982.9999954998	Sum of GTIs [s]
ontime0	4982.9999954998	Sum of GTIs [s]
ontime1	4982.9999954998	Sum of GTIs [s]
ontime2	4982.9999954998	Sum of GTIs [s]
ontime3	4982.9999954998	Sum of GTIs [s]
ontime6	4982.9999954998	Sum of GTIs [s]
ontime7	4982.9999954998	Sum of GTIs [s]
l1events	264348	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	45557	45355	49839	47603	47537	28457
rejected events	42468	41874	46889	44566	44389	13117
rejected %	93%	92%	94%	93%	93%	46%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1263	1404	1309	1312	1362	2460
	2%	3%	2%	2%	2%	8%
grade 1 events	25	14	24	16	16	23
	0%	0%	0%	0%	0%	0%
grade 2 events	609	614	558	572	614	2937
	1%	1%	1%	1%	1%	10%
grade 3 events	390	466	329	379	409	1696
	0%	1%	0%	0%	0%	5%
grade 4 events	382	445	322	326	310	1428
	0%	0%	0%	0%	0%	5%
grade 5 events	659	721	606	685	701	2560
	1%	1%	1%	1%	1%	8%
grade 6 events	511	627	497	509	528	7147
	1%	1%	0%	1%	1%	25%
grade 7 events	41718	41064	46194	43804	43597	10206
	91%	90%	92%	92%	91%	35%

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	94.98524232218234	Alternating exposures requested	N	N
Pointing Dec	0	-64.39881576014554	Primary exposure time	3.3	3.3
Pointing Roll	0.0	145.0992746457747			
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	50889236.737	50889233.432462			
Observation start date	1999-08-12T23:53:57	1999-08-12T23:53:53			
Observation end time	50895841.944	50895838.532695			
Observation end date	1999-08-13T01:44:02	1999-08-13T01:43:58			
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	4.9829999954998

A.2 Comments

The focal plane temperature is 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.