

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 62244 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 29 2009

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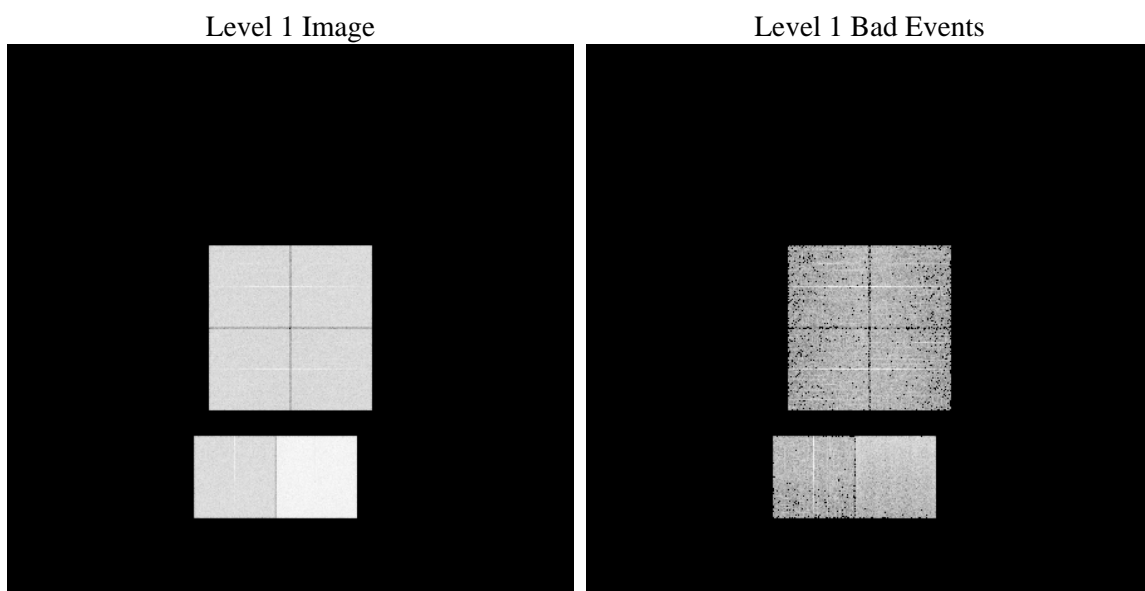
1 Front

seq_num	 	Sequence number
obs_id	62244	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	83.045623317633	Nominal RA
dec_nom	-49.992444963826	Nominal Dec
roll_nom	343.62391352251	Nominal Roll
revision	4	Processing version of data
ontime	3316.1479063183	Sum of GTIs [s]
livetime	3274.156844784	Livetime [s]
ontime0	1318.5211416259	Sum of GTIs [s]
ontime1	1376.9008518755	Sum of GTIs [s]
ontime2	1295.9160213619	Sum of GTIs [s]
ontime3	1298.9928215891	Sum of GTIs [s]
ontime6	1394.2272106111	Sum of GTIs [s]
ontime7	3316.1479063183	Sum of GTIs [s]
l2events	905976	Number of level 2 events

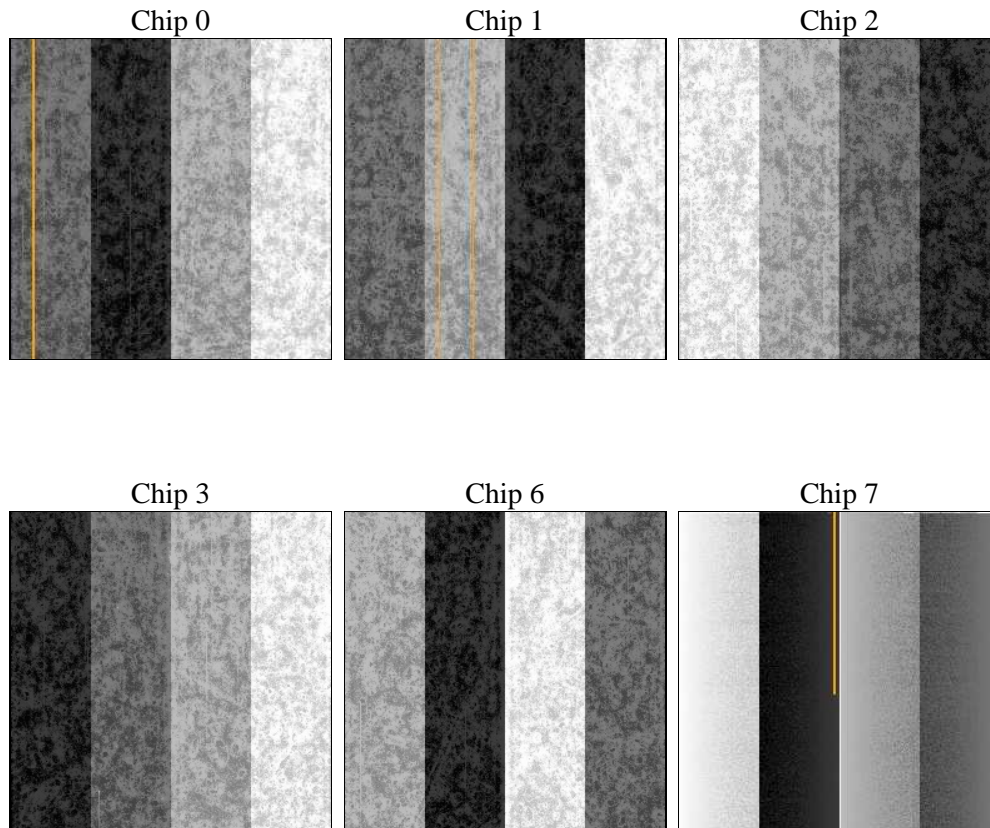
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.1.1	ASCDS version number
caldsver	4.1.4	
date	2009-11-29T20:31:04	Date and time of file creation
revision	3	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	3316.1479063183	Sum of GTIs [s]
ontime0	1318.5211416259	Sum of GTIs [s]
ontime1	1376.9008518755	Sum of GTIs [s]
ontime2	1295.9160213619	Sum of GTIs [s]
ontime3	1298.9928215891	Sum of GTIs [s]
ontime6	1394.2272106111	Sum of GTIs [s]
ontime7	3316.1479063183	Sum of GTIs [s]
l1events	1057299	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	138517	144400	136619	136669	151401	349693
rejected events	20543	20001	20460	20460	23887	36596
rejected %	14%	13%	14%	14%	15%	10%

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	83.04562331763262	Alternating exposures requested	N	N
Pointing Dec	0	-49.99244496382646	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	343.6239135225144			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	63090327.73	63090326.96105			
Observation start date	2000-01-01T05:05:28	2000-01-01T05:05:26			
Observation end time	63097625.73	63097624.961314			
Observation end date	2000-01-01T07:07:06	2000-01-01T07:07:04			
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	3.3161479063183

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.

The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives depend on the most accurate spectral response (ie: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.