

# V&V Reference Report

## L2 ASCDS Version : 8.1.2

Observation 62568 - L2 Version 3

Chandra X-Ray Center

L2 Processing Date : Mar 31 2010

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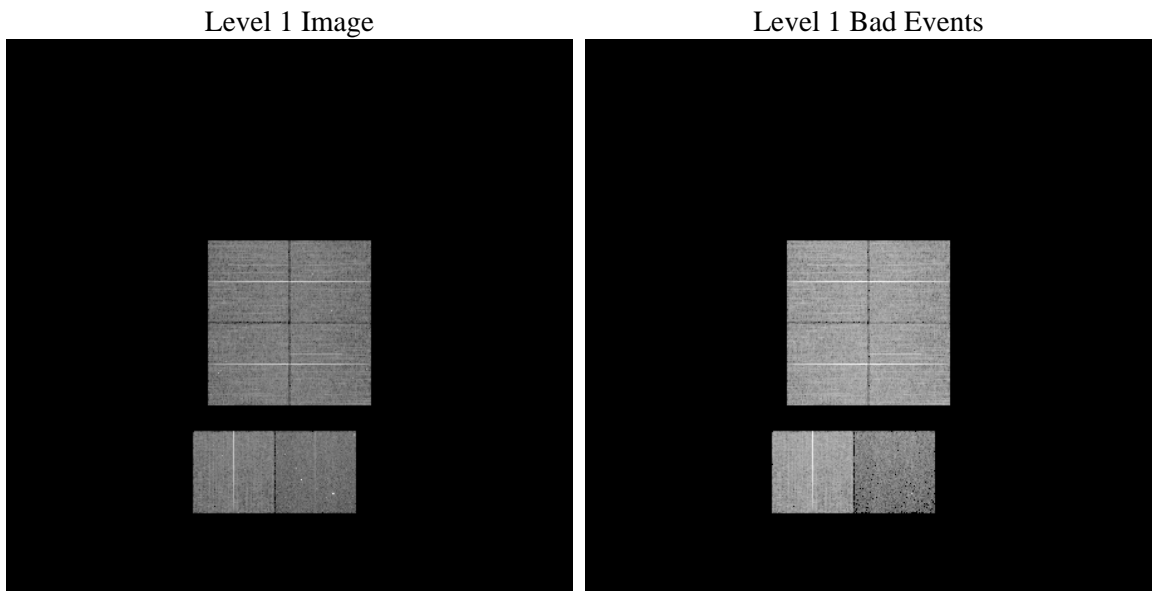
# 1 Front

seq_num	&#160	Sequence number
obs_id	62568	Observation id
title	ACIS-012367 diagnostics; background (direction of SEP); no sources	&#160
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	0	&#160
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	88.622001642733	Nominal RA
dec_nom	-65.788519473933	Nominal Dec
roll_nom	129.26110128391	Nominal Roll
revision	3	Processing version of data
ontime	9103.4079677388	Sum of GTIs [s]
livetime	8991.585342749	Livetime [s]
ontime0	9100.0259675235	Sum of GTIs [s]
ontime1	9103.3258877397	Sum of GTIs [s]
ontime2	9103.2848477364	Sum of GTIs [s]
ontime3	9103.2438077405	Sum of GTIs [s]
ontime6	9103.2027677372	Sum of GTIs [s]
ontime7	9103.4079677388	Sum of GTIs [s]
l2events	50805	Number of level 2 events

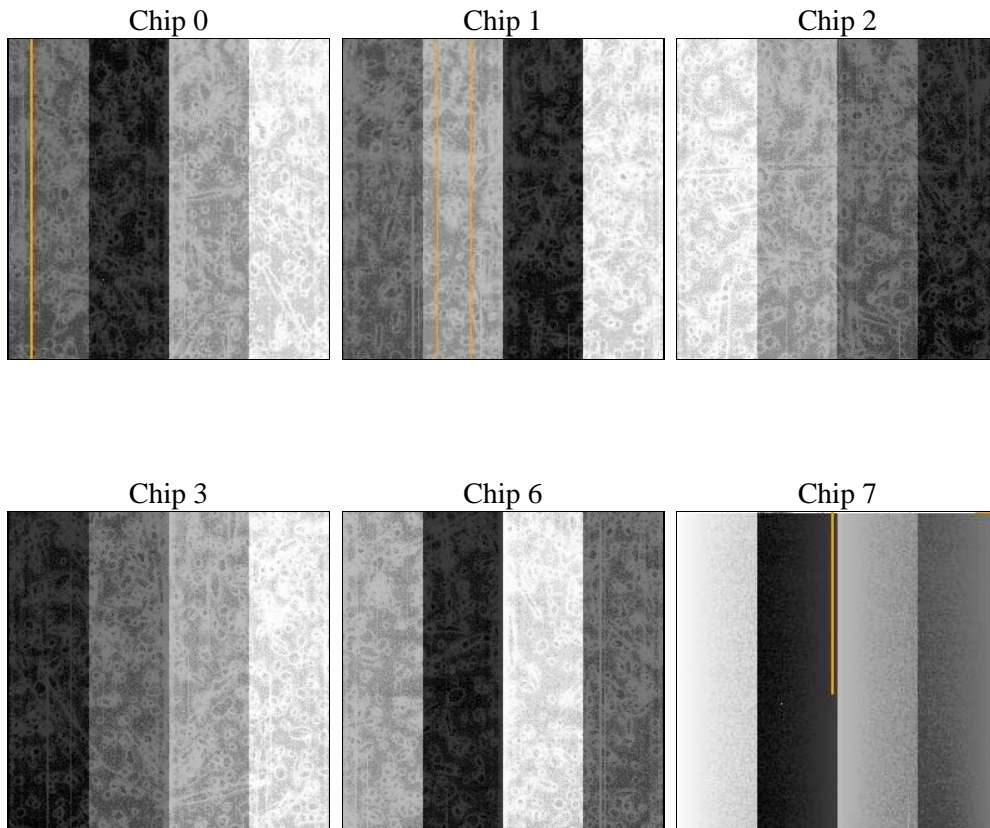
## 2 OBI

### 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	&#160
date	2010-03-31T21:18:44	Date and time of file creation
revision	3	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	9103.4079677388	Sum of GTIs [s]
ontime0	9100.0259675235	Sum of GTIs [s]
ontime1	9103.3258877397	Sum of GTIs [s]
ontime2	9103.2848477364	Sum of GTIs [s]
ontime3	9103.2438077405	Sum of GTIs [s]
ontime6	9103.2027677372	Sum of GTIs [s]
ontime7	9103.4079677388	Sum of GTIs [s]
l1events	464866	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	82618	78394	85732	83031	81715	53376
rejected events	77047	72163	80127	77499	75768	22866
rejected %	93%	92%	93%	93%	92%	42%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2185	2462	2508	2363	2490	5530
	2%	3%	2%	2%	3%	10%
grade 1 events	22	50	37	31	30	90
	0%	0%	0%	0%	0%	0%
grade 2 events	1055	1062	1050	969	1115	5679
	1%	1%	1%	1%	1%	10%
grade 3 events	705	822	651	665	683	3220
	0%	1%	0%	0%	0%	6%
grade 4 events	651	766	592	623	677	3011
	0%	0%	0%	0%	0%	5%
grade 5 events	1227	1291	1110	1215	1288	4532
	1%	1%	1%	1%	1%	8%
grade 6 events	975	1119	804	912	982	13070
	1%	1%	0%	1%	1%	24%
grade 7 events	75798	70822	78980	76253	74450	18244
	91%	90%	92%	91%	91%	34%

## 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	88.62200164273324	Alternating exposures requested	N	N
Pointing Dec	0	-65.78851947393318	Primary exposure time	0.000000	3.3
Pointing Roll	0.0	129.2611012839126			
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	50871985.716	50871982.681854			
Observation start date	1999-08-12T19:06:26	1999-08-12T19:06:22			
Observation end time	50885110.021	50885106.782317			
Observation end date	1999-08-12T22:45:10	1999-08-12T22:45:06			
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	9.1034079677388

## A.2 Comments

The focal plane temperature exceeds -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.