

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57849 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 13 2012

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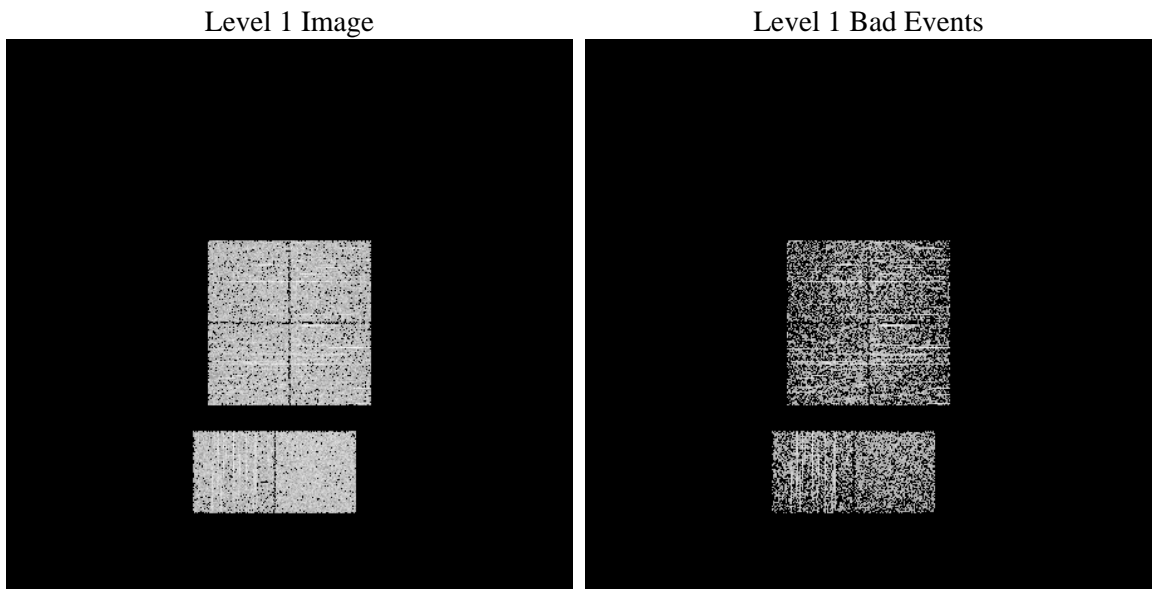
# 1 Front

seq_num	&#160	Sequence number
obs_id	57849	Observation id
title	ACIS-012367 diagnostics	Proposal title
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 [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	184.01689109096	Nominal RA [deg]
dec_nom	-15.023679013148	Nominal Dec [deg]
roll_nom	271.66790801	Nominal Roll [deg]
revision	2	Processing version of data
ontime	632.789244771	Sum of GTIs [s]
livetime	624.77648633377	Livetime [s]
ontime0	632.7482047677	Sum of GTIs [s]
ontime1	632.7071647644	Sum of GTIs [s]
ontime2	632.6661247611	Sum of GTIs [s]
ontime3	632.8302847743	Sum of GTIs [s]
ontime6	632.6250847578	Sum of GTIs [s]
ontime7	632.789244771	Sum of GTIs [s]
l2events	46564	Number of level 2 events

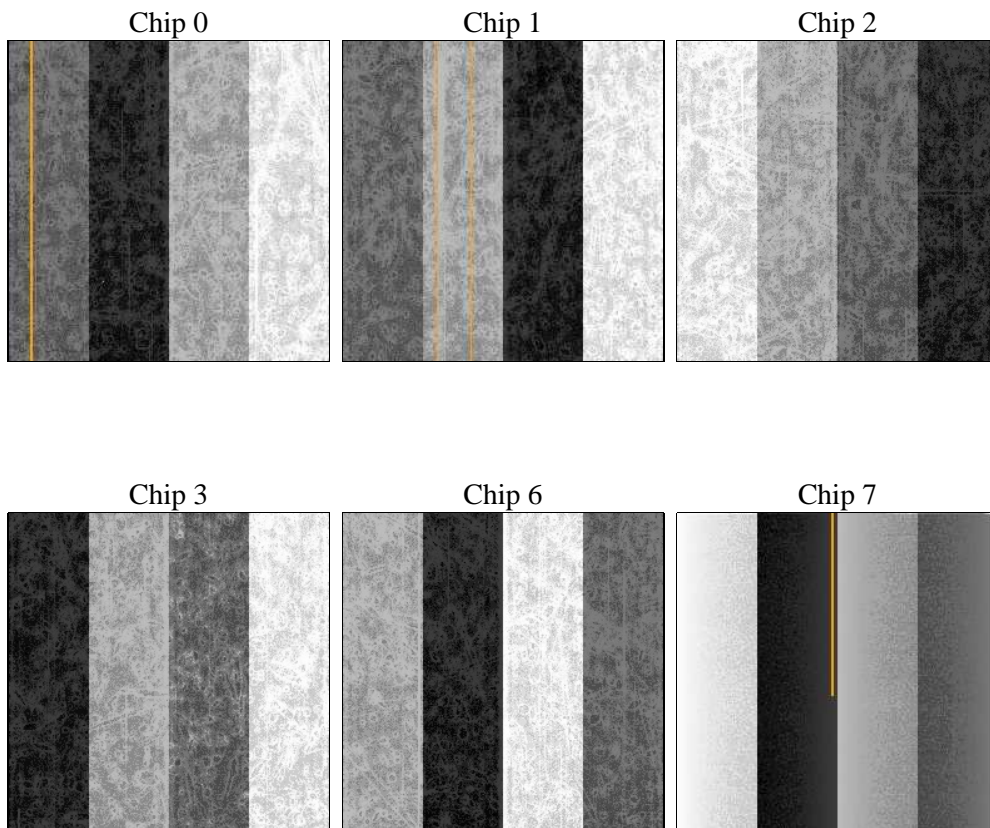
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	632.789244771	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	632.7482047677	Sum of GTIs [s]
date	2012-05-13T13:14:31	Date and time of file creation	ontime1	632.7071647644	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	632.6661247611	Sum of GTIs [s]
			ontime3	632.8302847743	Sum of GTIs [s]
			ontime6	632.6250847578	Sum of GTIs [s]
			ontime7	632.789244771	Sum of GTIs [s]
			l1events	82857	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	12460	13077	13312	14389	14244	15375
rejected events	4744	5458	5600	6586	6367	5012
rejected %	38%	41%	42%	45%	44%	32%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	4201	4028	4270	4322	4219	2162
	33%	30%	32%	30%	29%	14%
grade 1 events	29	29	25	28	19	16
	0%	0%	0%	0%	0%	0%
grade 2 events	1405	1430	1306	1333	1386	2356
	11%	10%	9%	9%	9%	15%
grade 3 events	491	538	537	513	535	924
	3%	4%	4%	3%	3%	6%
grade 4 events	523	476	508	534	476	984
	4%	3%	3%	3%	3%	6%
grade 5 events	300	315	293	327	323	853
	2%	2%	2%	2%	2%	5%
grade 6 events	1122	1187	1132	1134	1298	3992
	9%	9%	8%	7%	9%	25%
grade 7 events	4389	5074	5241	6198	5988	4088
	35%	38%	39%	43%	42%	26%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
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
[deg] Pointing RA	0	184.0168910909578	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-15.02367901314792	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	271.6679080100009			
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	325332311.041358	325332310.01637			
Observation start date	2008-04-23T10:05:11	2008-04-23T10:05:10			
[s] Observation end time (MET)	325340230.191744	325340229.16676			
Observation end date	2008-04-23T12:17:10	2008-04-23T12:17:09			
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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.632789244771

### A.2 Comments