

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57829 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 14 2012

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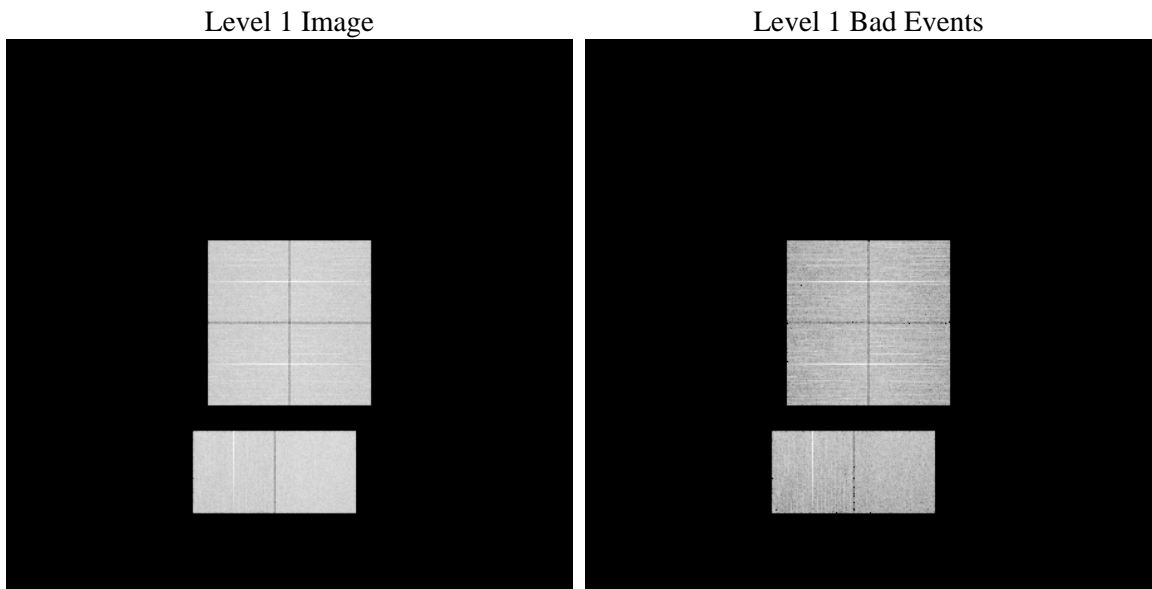
# 1 Front

seq_num	&#160	Sequence number
obs_id	57829	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	235.93871994042	Nominal RA [deg]
dec_nom	4.9530622412574	Nominal Dec [deg]
roll_nom	146.64975383661	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8179.1999695897	Sum of GTIs [s]
livetime	8075.6300146518	Livetime [s]
ontime0	8179.1999695897	Sum of GTIs [s]
ontime1	8175.9589694142	Sum of GTIs [s]
ontime2	8179.1999695897	Sum of GTIs [s]
ontime3	8179.1999695897	Sum of GTIs [s]
ontime6	8179.1999695897	Sum of GTIs [s]
ontime7	8179.1999695897	Sum of GTIs [s]
l2events	601145	Number of level 2 events

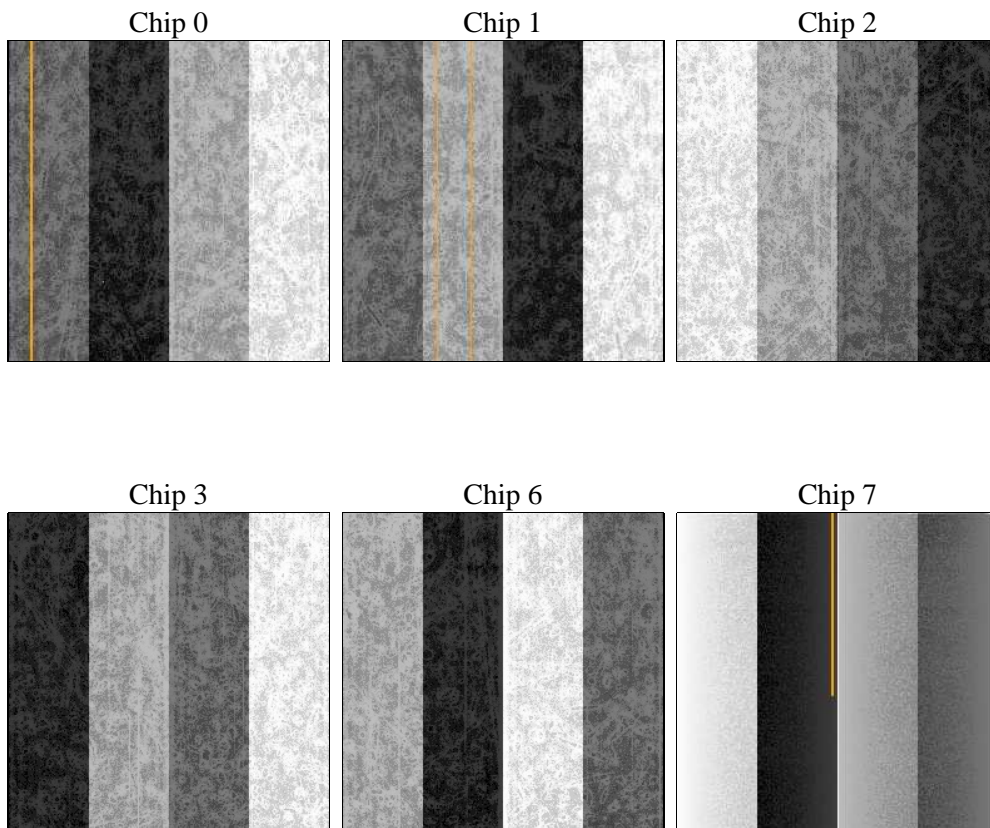
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	17580	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8179.1999695897	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8179.1999695897	Sum of GTIs [s]
date	2012-05-14T03:19:23	Date and time of file creation	ontime1	8175.9589694142	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	8179.1999695897	Sum of GTIs [s]
			ontime3	8179.1999695897	Sum of GTIs [s]
			ontime6	8179.1999695897	Sum of GTIs [s]
			ontime7	8179.1999695897	Sum of GTIs [s]
			l1events	1052945	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	164998	170694	171951	172575	174291	198436	grade 0 events	53689	53750	55225	55407	55681	27370
rejected events	66442	70916	72618	72590	70168	65770		32%	31%	32%	32%	31%	13%
rejected %	40%	41%	42%	42%	40%	33%	grade 1 events	355	338	435	422	340	171
								0%	0%	0%	0%	0%	0%
							grade 2 events	17711	18461	16998	17702	18581	29191
								10%	10%	9%	10%	10%	14%
							grade 3 events	6609	6654	6813	6759	6789	12668
								4%	3%	3%	3%	3%	6%
							grade 4 events	6557	6687	6676	6933	6753	12766
								3%	3%	3%	4%	3%	6%
							grade 5 events	3800	4060	3605	4182	4212	10650
								2%	2%	2%	2%	2%	5%
							grade 6 events	15172	15360	14719	14371	17546	52287
								9%	8%	8%	8%	10%	26%
							grade 7 events	61105	65384	67480	66799	64389	53333
								37%	38%	39%	38%	36%	26%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	235.9387200688005	235.9387199404194
[deg] Pointing Dec	4.953062231934235	4.953062241257423
[deg] Pointing Roll	146.6497538638364	146.6497538366092
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	326277721.887431	326277721.887431
Observation start date	2008-05-04T09:06:00	2008-05-04T08:42:01
[s] Observation end time (MET)	326299897.949201	326299897.949201
Observation end date	2008-05-04T13:59:00	2008-05-04T14:51:37
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.07.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1791999695897

### A.2 Comments