

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 57097 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 7 2012

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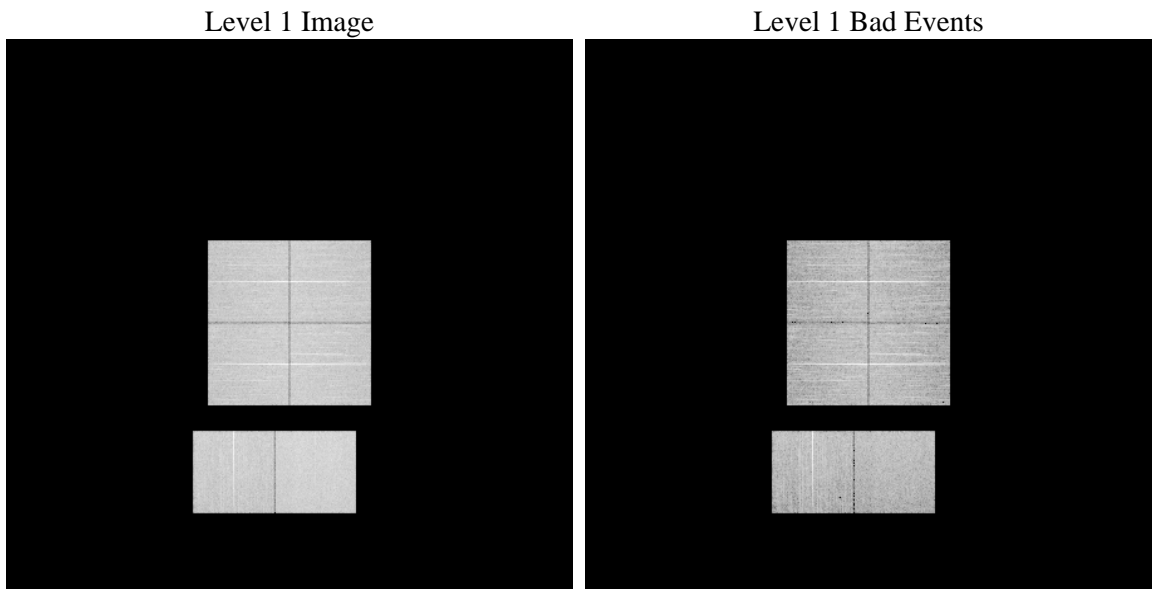
# 1 Front

seq_num	&#160	Sequence number
obs_id	57097	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	250.96615461521	Nominal RA [deg]
dec_nom	5.9943625826792	Nominal Dec [deg]
roll_nom	152.54691157856	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8443.7495504022	Sum of GTIs [s]
livetime	8336.8297093794	Livetime [s]
ontime0	8443.7085103989	Sum of GTIs [s]
ontime1	8443.6674703956	Sum of GTIs [s]
ontime2	8443.6264303923	Sum of GTIs [s]
ontime3	8443.7905904055	Sum of GTIs [s]
ontime6	8443.585390389	Sum of GTIs [s]
ontime7	8443.7495504022	Sum of GTIs [s]
l2events	493627	Number of level 2 events

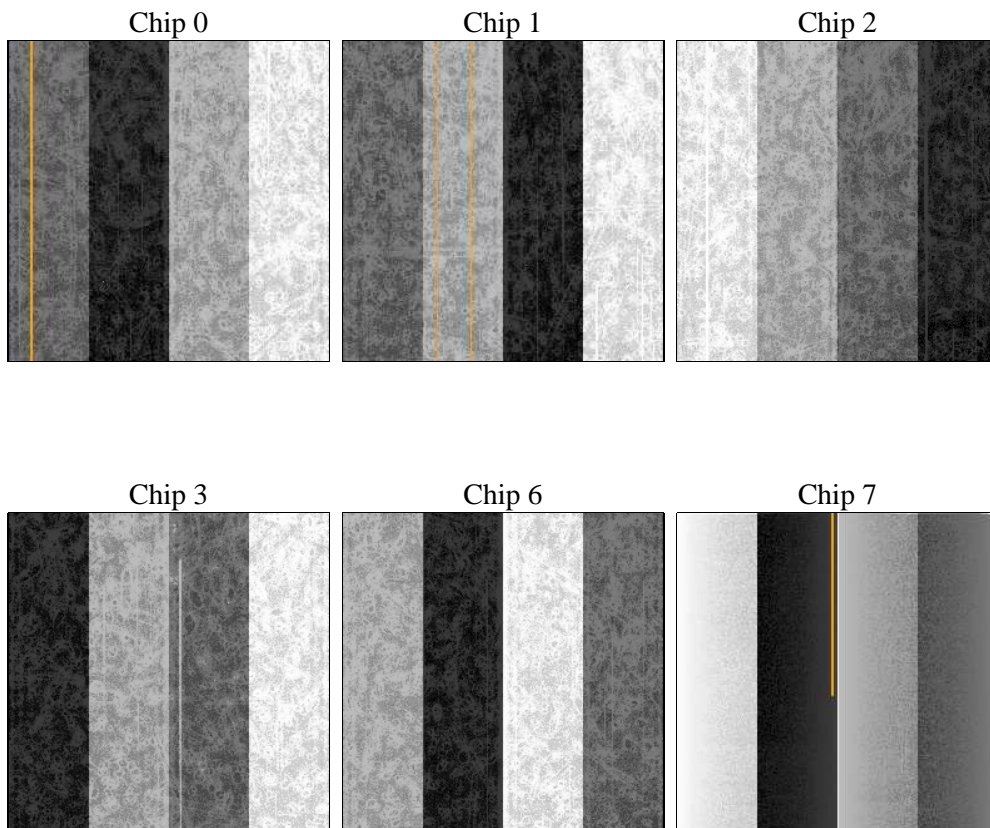
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	8443.7495504022	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	8443.7085103989	Sum of GTIs [s]
date	2012-06-07T16:36:15	Date and time of file creation	ontime1	8443.6674703956	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8443.6264303923	Sum of GTIs [s]
			ontime3	8443.7905904055	Sum of GTIs [s]
			ontime6	8443.585390389	Sum of GTIs [s]
			ontime7	8443.7495504022	Sum of GTIs [s]
			l1events	992034	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	155484	156905	160339	163289	162952	193065	grade 0 events	42167	41698	43467	44176	42851	21524
rejected events	76035	76489	80993	82418	80417	73762		27%	26%	27%	27%	26%	11%
rejected %	48%	48%	50%	50%	49%	38%	grade 1 events	293	254	335	367	255	136
								0%	0%	0%	0%	0%	0%
							grade 2 events	14385	15698	13444	13813	15130	26126
								9%	10%	8%	8%	9%	13%
							grade 3 events	5353	5288	5411	5579	5329	10762
								3%	3%	3%	3%	3%	5%
							grade 4 events	5430	5214	5456	5411	5330	10694
								3%	3%	3%	3%	3%	5%
							grade 5 events	4305	4358	3978	4564	4341	11628
								2%	2%	2%	2%	2%	6%
							grade 6 events	12145	12554	11600	11925	13937	50254
								7%	8%	7%	7%	8%	26%
							grade 7 events	71406	71841	76648	77454	75779	61941
								45%	45%	47%	47%	46%	32%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	250.9661546152147	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	5.9943625826792	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	152.546911578558	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	359185183.770186	359185182.74516			
Observation start date	2009-05-20T05:39:44	2009-05-20T05:39:42			
[s] Observation end time (MET)	359197885.57082	359197884.54579			
Observation end date	2009-05-20T09:11:26	2009-05-20T09:11:24			
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)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4437495504022

### A.2 Comments