

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57423 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 29 2012

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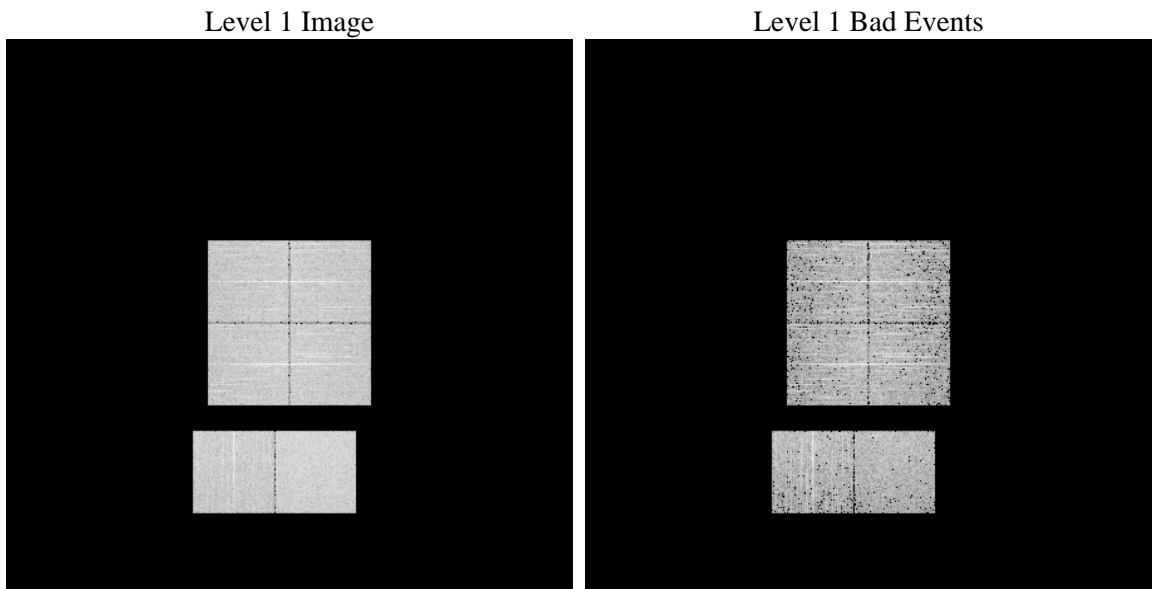
# 1 Front

seq_num	&#160	Sequence number
obs_id	57423	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	109.01408218342	Nominal RA [deg]
dec_nom	11.023146978714	Nominal Dec [deg]
roll_nom	41.322963768966	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2792.1681215167	Sum of GTIs [s]
livetime	2756.8120075203	Livetime [s]
ontime0	2792.1270815134	Sum of GTIs [s]
ontime1	2792.0860415101	Sum of GTIs [s]
ontime2	2792.0450015068	Sum of GTIs [s]
ontime3	2792.20916152	Sum of GTIs [s]
ontime6	2792.0039615035	Sum of GTIs [s]
ontime7	2792.1681215167	Sum of GTIs [s]
l2events	190979	Number of level 2 events

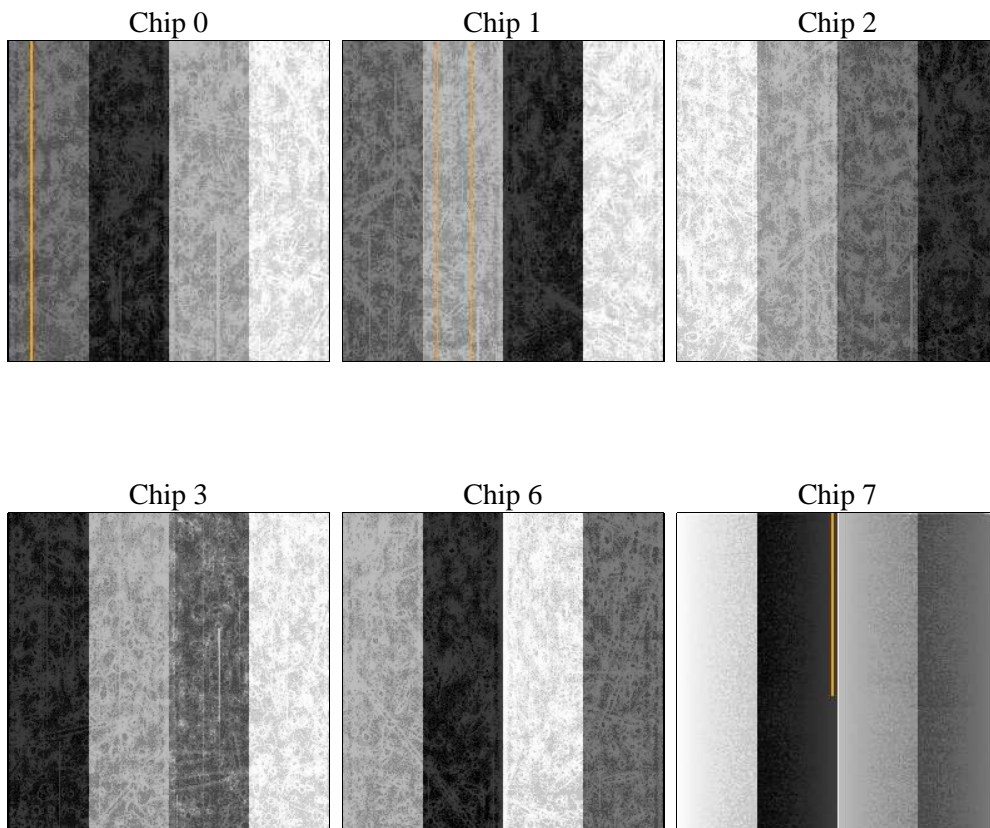
## 2 OBI

### 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	2792.1681215167	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	2792.1270815134	Sum of GTIs [s]
date	2012-05-29T17:58:25	Date and time of file creation	ontime1	2792.0860415101	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2792.0450015068	Sum of GTIs [s]
			ontime3	2792.20916152	Sum of GTIs [s]
			ontime6	2792.0039615035	Sum of GTIs [s]
			ontime7	2792.1681215167	Sum of GTIs [s]
			l1events	351597	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	54673	56184	57298	56873	58635	67934	grade 0 events	16627	16372	17010	17186	16806	8627
rejected events	23428	24844	25903	25327	26397	24005		30%	29%	29%	30%	28%	12%
rejected %	42%	44%	45%	44%	45%	35%	grade 1 events	124	119	131	144	104	58
								0%	0%	0%	0%	0%	0%
							grade 2 events	5679	5820	5399	5507	5761	9555
								10%	10%	9%	9%	9%	14%
							grade 3 events	2019	2073	2153	2103	2039	4091
								3%	3%	3%	3%	3%	6%
							grade 4 events	2039	2065	2141	2075	2019	4192
								3%	3%	3%	3%	3%	6%
							grade 5 events	1423	1369	1392	1501	1550	3961
								2%	2%	2%	2%	2%	5%
							grade 6 events	4881	5043	4729	4675	5654	17464
								8%	8%	8%	8%	9%	25%
							grade 7 events	21881	23323	24343	23682	24702	19986
								40%	41%	42%	41%	42%	29%

## 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	109.0140821834213	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	11.02314697871413	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	41.32296376896569	[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	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	346806137.205423	346806136.18043			
Observation start date	2008-12-27T23:02:17	2008-12-27T23:02:16			
[s] Observation end time (MET)	346825823.356396	346825822.3314			
Observation end date	2008-12-28T04:30:23	2008-12-28T04:30:22			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.7921681215167

### **A.2 Comments**