

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54896 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Feb 3 2012

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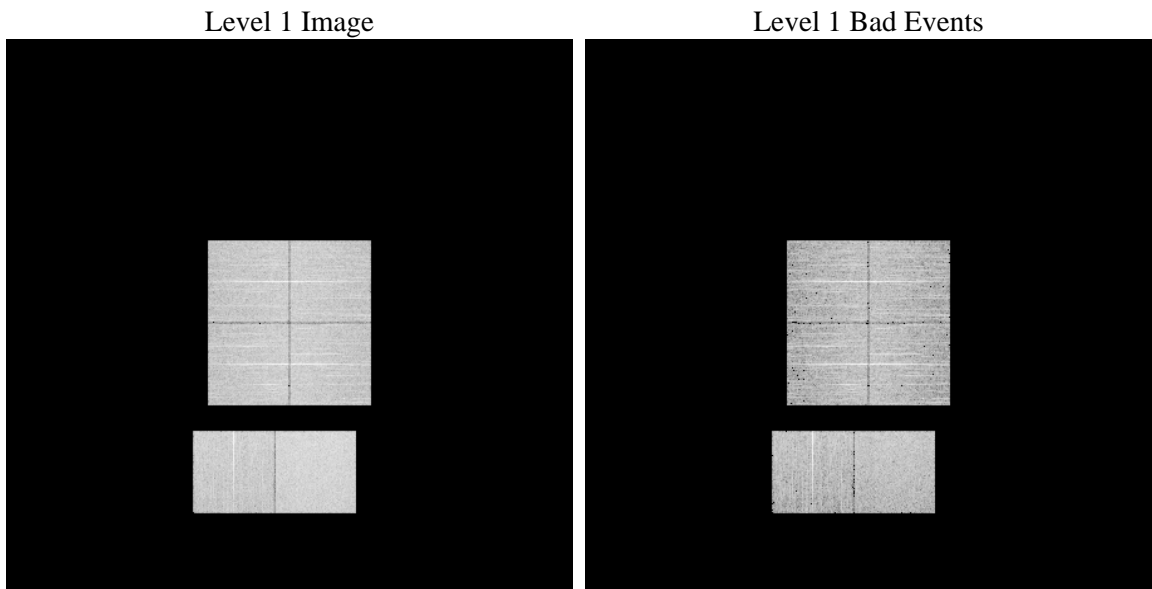
# 1 Front

seq_num	&#160	Sequence number
obs_id	54896	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	152.33803433921	Nominal RA [deg]
dec_nom	46.886663141469	Nominal Dec [deg]
roll_nom	149.87901913101	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7887.9999706745	Sum of GTIs [s]
livetime	7788.1173654625	Livetime [s]
ontime0	7887.9999706745	Sum of GTIs [s]
ontime1	7887.9999706745	Sum of GTIs [s]
ontime2	7887.9999706745	Sum of GTIs [s]
ontime3	7887.9999706745	Sum of GTIs [s]
ontime6	7887.9999706745	Sum of GTIs [s]
ontime7	7887.9999706745	Sum of GTIs [s]
l2events	255141	Number of level 2 events

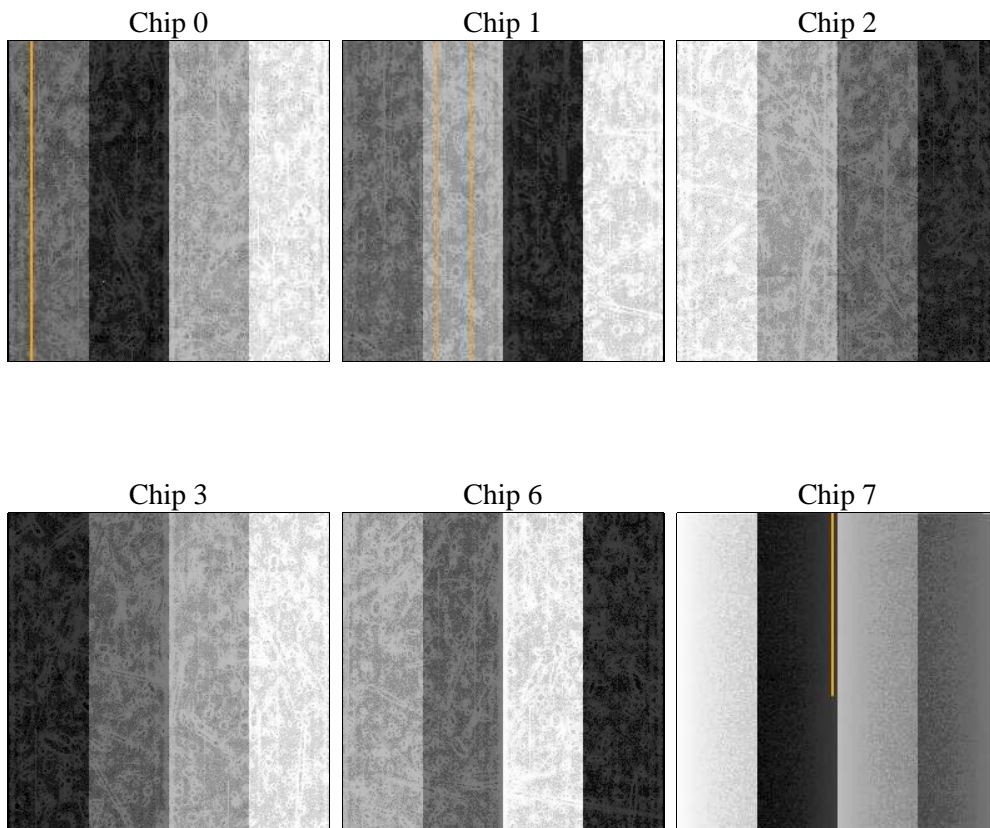
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	7887.9999706745	Sum of GTIs [s]
caldbver	4.4.7	&#160	ontime0	7887.9999706745	Sum of GTIs [s]
date	2012-02-03T17:04:23	Date and time of file creation	ontime1	7887.9999706745	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7887.9999706745	Sum of GTIs [s]
			ontime3	7887.9999706745	Sum of GTIs [s]
			ontime6	7887.9999706745	Sum of GTIs [s]
			ontime7	7887.9999706745	Sum of GTIs [s]
			l1events	566193	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	86622	88600	88709	90171	92364	119727	grade 0 events	21263	20520	22113	22007	21639	10724
rejected events	46185	47853	48186	49580	50159	54255		24%	23%	24%	24%	23%	8%
rejected %	53%	54%	54%	54%	54%	45%	grade 1 events	106	105	137	128	106	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	7607	8351	7064	7169	7977	14481
								8%	9%	7%	7%	8%	12%
							grade 3 events	2759	2662	2843	2829	2739	5615
								3%	3%	3%	3%	2%	4%
							grade 4 events	2687	2710	2785	2811	2745	5623
								3%	3%	3%	3%	2%	4%
							grade 5 events	3089	3084	2948	3297	3253	8059
								3%	3%	3%	3%	3%	6%
							grade 6 events	6308	6689	5929	5958	7306	29395
								7%	7%	6%	6%	7%	24%
							grade 7 events	42803	44479	44890	45972	46599	45735
								49%	50%	50%	50%	50%	38%

## 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	0	152.3380343392107
[deg] Pointing Dec	0	46.88666314146872
[deg] Pointing Roll	0.0	149.8790191310061
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	444598021.420696	444598021.420696
Observation start date	2012-02-02T19:27:01	2012-02-02T19:27:01
[s] Observation end time (MET)	444607204.340322	444607204.340322
Observation end date	2012-02-02T22:00:04	2012-02-02T22:00:04
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8879999706745

### A.2 Comments