

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57847 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 13 2012

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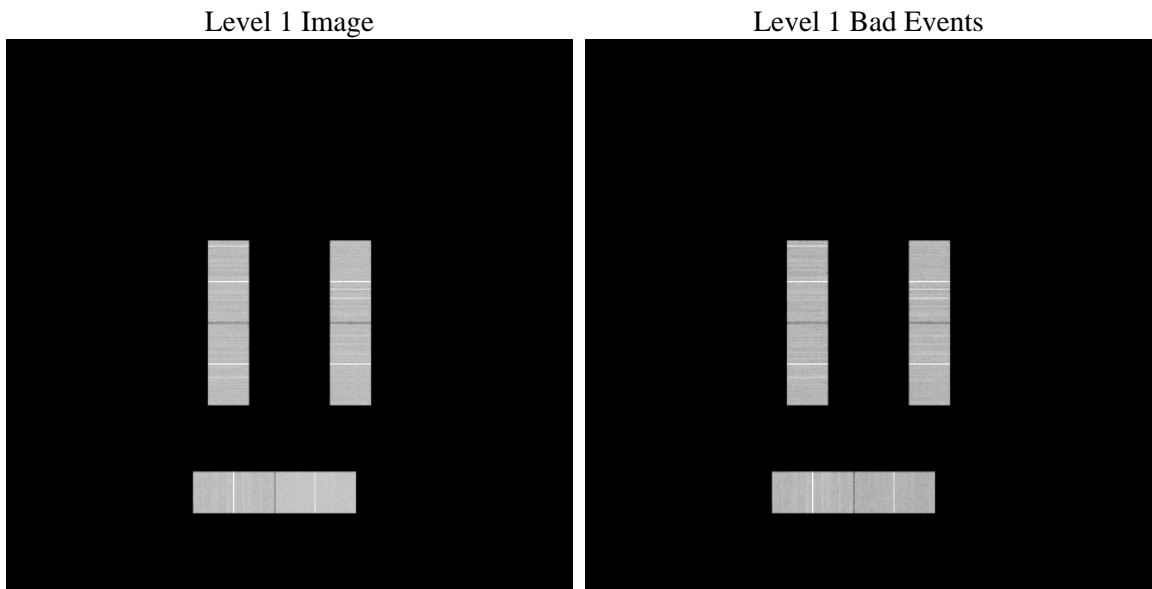
# 1 Front

seq_num	&#160	Sequence number
obs_id	57847	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	237.9899483522	Nominal RA [deg]
dec_nom	-22.97302246883	Nominal Dec [deg]
roll_nom	72.515640242635	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8302.5	Sum of GTIs [s]
livetime	8270.068359375	Livetime [s]
ontime0	5570.6044467092	Sum of GTIs [s]
ontime1	5805.8437241912	Sum of GTIs [s]
ontime2	5525.6803957224	Sum of GTIs [s]
ontime3	5796.7770073414	Sum of GTIs [s]
ontime6	5958.7473770976	Sum of GTIs [s]
ontime7	8302.5	Sum of GTIs [s]
l2events	343862	Number of level 2 events

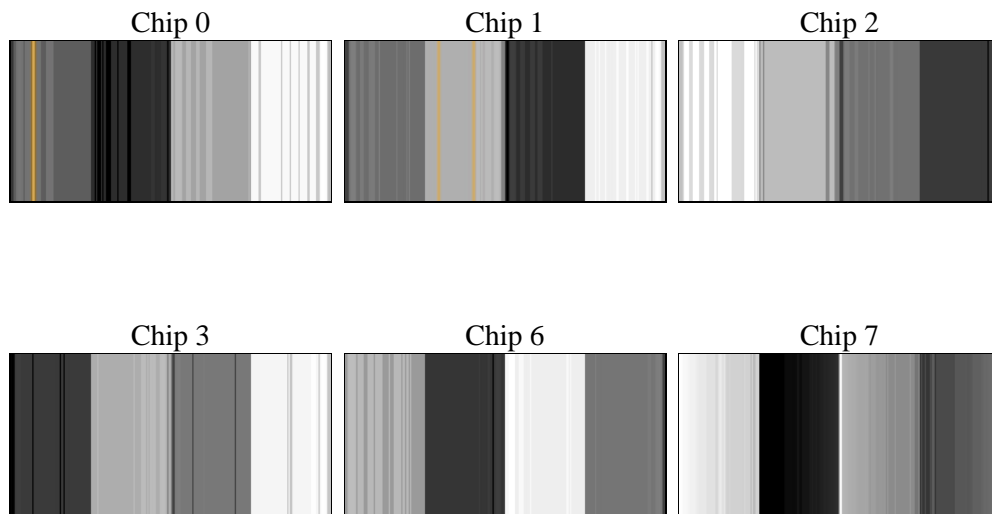
## 2 OBI

### 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	8302.5	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	5570.6044467092	Sum of GTIs [s]
date	2012-05-13T13:22:38	Date and time of file creation	ontime1	5805.8437241912	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5525.6803957224	Sum of GTIs [s]
			ontime3	5796.7770073414	Sum of GTIs [s]
			ontime6	5958.7473770976	Sum of GTIs [s]
			ontime7	8302.5	Sum of GTIs [s]
			l1events	1444100	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	229357	238791	226693	228570	242276	278413	grade 0 events	7828	7327	7758	7913	6833	19502
rejected events	186961	192493	184179	181262	191684	145044		3%	3%	3%	3%	2%	7%
rejected %	81%	80%	81%	79%	79%	52%	grade 1 events	73	76	68	67	74	156
								0%	0%	0%	0%	0%	0%
							grade 2 events	37982	40835	38783	41230	44182	40891
								16%	17%	17%	18%	18%	14%
							grade 3 events	1945	1727	1824	2023	1830	8943
								0%	0%	0%	0%	0%	3%
							grade 4 events	1977	1678	1768	1856	1804	8925
								0%	0%	0%	0%	0%	3%
							grade 5 events	2579	2730	2499	2902	2976	10875
								1%	1%	1%	1%	1%	3%
							grade 6 events	13520	14318	13107	14077	15787	56784
								5%	5%	5%	6%	6%	20%
							grade 7 events	163453	170100	160886	158502	168790	132337
								71%	71%	70%	69%	69%	47%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	CC33_FAINT	CC33_FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	237.9899483521988
[deg] Pointing Dec	0	-22.97302246883037
[deg] Pointing Roll	0.0	72.5156402426351
[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)	325359897.892701	325359896.86772
Observation start date	2008-04-23T17:44:58	2008-04-23T17:44:56
[s] Observation end time (MET)	325382683.643811	325382682.61883
Observation end date	2008-04-24T00:04:44	2008-04-24T00:04:42
Read mode	CONTINUOUS	CONTINUOUS

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0	0

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3025

### A.2 Comments