

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57684 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 18 2012

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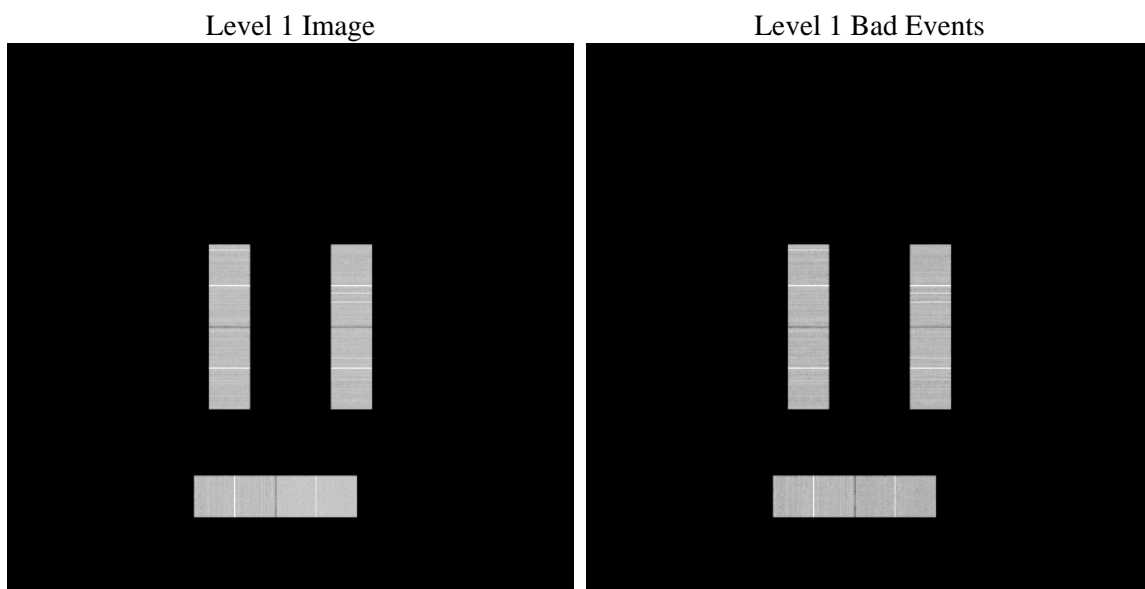
# 1 Front

seq_num	&#160	Sequence number
obs_id	57684	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	278.0324233574	Nominal RA [deg]
dec_nom	-37.009685837964	Nominal Dec [deg]
roll_nom	305.74889077225	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7919.0	Sum of GTIs [s]
livetime	7888.06640625	Livetime [s]
ontime0	5379.3354239464	Sum of GTIs [s]
ontime1	5671.1724828482	Sum of GTIs [s]
ontime2	5312.2139338851	Sum of GTIs [s]
ontime3	5605.5093926787	Sum of GTIs [s]
ontime6	5634.693284452	Sum of GTIs [s]
ontime7	7919.0	Sum of GTIs [s]
l2events	320496	Number of level 2 events

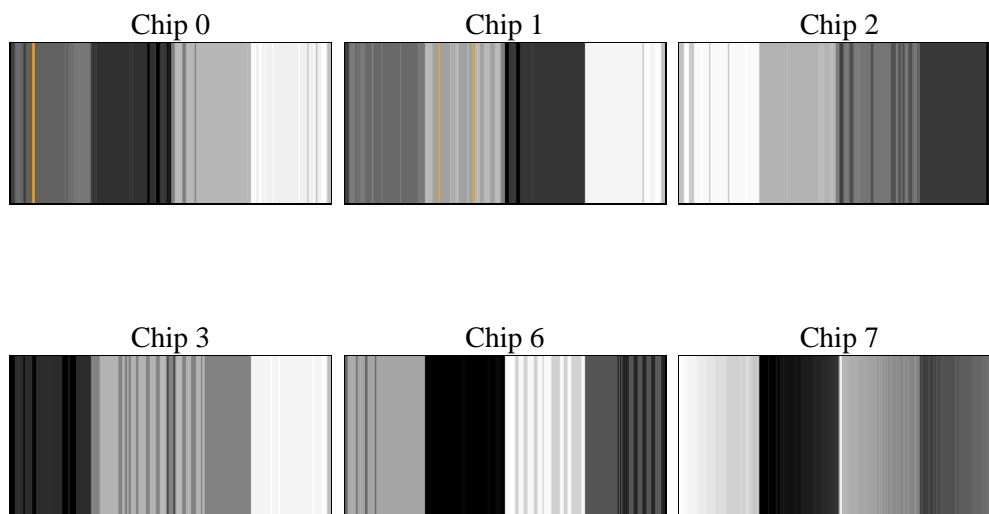
## 2 OBI

### 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	7919.0	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	5379.3354239464	Sum of GTIs [s]
date	2012-05-18T07:14:00	Date and time of file creation	ontime1	5671.1724828482	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5312.2139338851	Sum of GTIs [s]
			ontime3	5605.5093926787	Sum of GTIs [s]
			ontime6	5634.693284452	Sum of GTIs [s]
			ontime7	7919.0	Sum of GTIs [s]
			l1events	1360707	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	223312	225957	210713	220510	218731	261484	grade 0 events	7437	7164	7043	7429	6010	18645
rejected events	183507	181258	171381	176047	173752	136699		3%	3%	3%	3%	2%	7%
rejected %	82%	80%	81%	79%	79%	52%	grade 1 events	95	74	72	76	76	179
								0%	0%	0%	0%	0%	0%
							grade 2 events	34717	37825	34944	37673	38979	37339
								15%	16%	16%	17%	17%	14%
							grade 3 events	1783	1694	1694	1847	1658	8661
								0%	0%	0%	0%	0%	3%
							grade 4 events	1682	1679	1751	1804	1713	8366
								0%	0%	0%	0%	0%	3%
							grade 5 events	2490	2629	2328	2759	2820	10499
								1%	1%	1%	1%	1%	4%
							grade 6 events	12293	13338	11807	12692	14142	51856
								5%	5%	5%	5%	6%	19%
							grade 7 events	162815	161554	151074	156230	153333	125939
								72%	71%	71%	70%	70%	48%

## 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	278.0324233574008
[deg] Pointing Dec	0	-37.0096858379639
[deg] Pointing Roll	0.0	305.7488907722516
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	332863800.259237	332863799.23422
Observation start date	2008-07-19T14:10:00	2008-07-19T14:09:59
[s] Observation end time (MET)	332874646.809768	332874645.78476
Observation end date	2008-07-19T17:10:47	2008-07-19T17:10:45
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)	2012.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.919

### A.2 Comments