

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55610 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 5 2012

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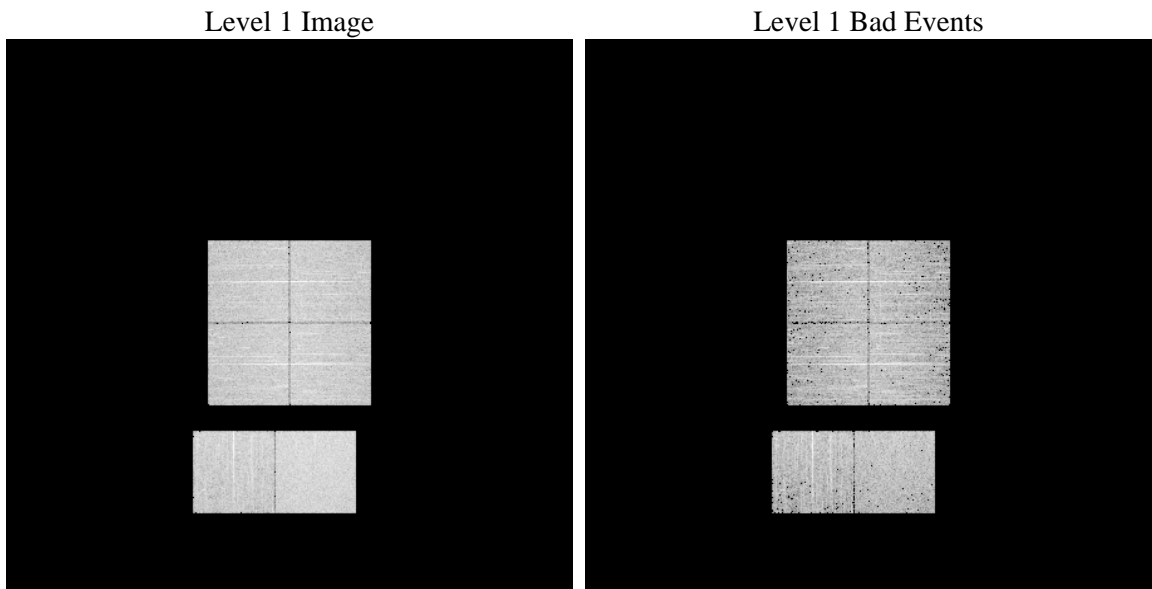
# 1 Front

seq_num	&#160	Sequence number
obs_id	55610	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	156.0297327758	Nominal RA [deg]
dec_nom	-15.996944040311	Nominal Dec [deg]
roll_nom	333.25325298043	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4444.1465450525	Sum of GTIs [s]
livetime	4387.8720855553	Livetime [s]
ontime0	4444.1055050492	Sum of GTIs [s]
ontime1	4444.0644650459	Sum of GTIs [s]
ontime2	4444.0234250426	Sum of GTIs [s]
ontime3	4444.1875850558	Sum of GTIs [s]
ontime6	4443.9823850393	Sum of GTIs [s]
ontime7	4444.1465450525	Sum of GTIs [s]
l2events	179665	Number of level 2 events

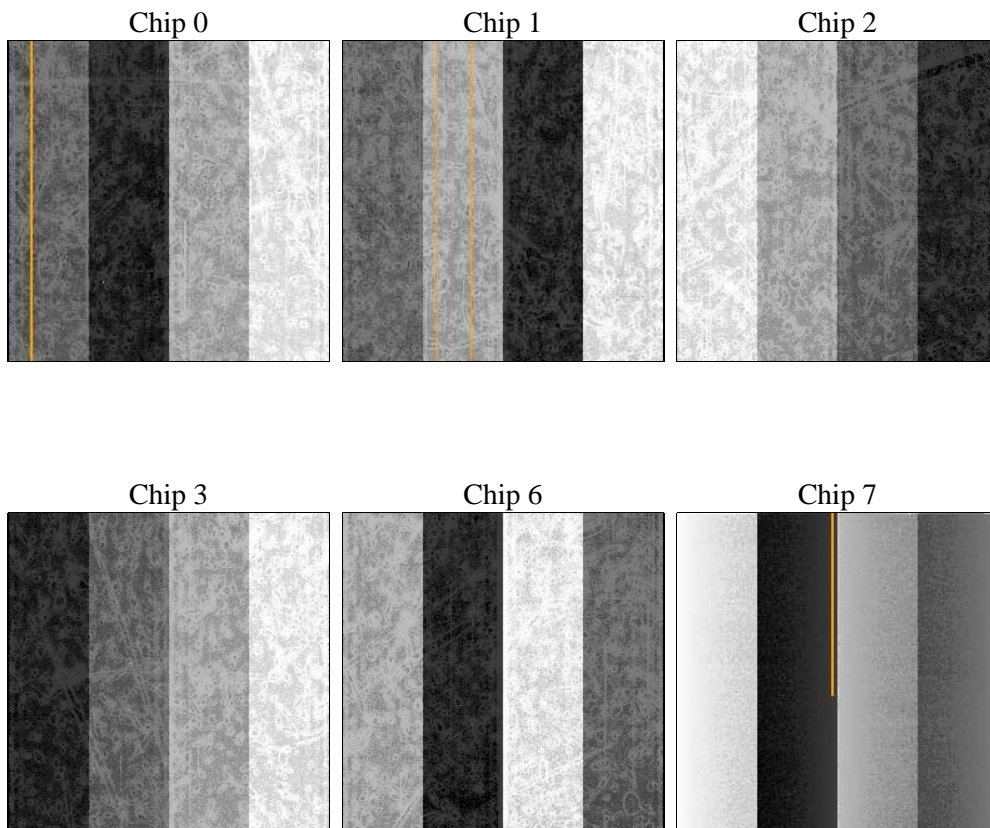
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	4444.1465450525	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime0	4444.1055050492	Sum of GTIs [s]
date	2012-02-05T16:35:15	Date and time of file creation	ontime1	4444.0644650459	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4444.0234250426	Sum of GTIs [s]
			ontime3	4444.1875850558	Sum of GTIs [s]
			ontime6	4443.9823850393	Sum of GTIs [s]
			ontime7	4444.1465450525	Sum of GTIs [s]
			l1events	380456	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	57810	58822	59687	62686	62301	79150
rejected events	29452	29789	31040	33894	32859	33237
rejected %	50%	50%	52%	54%	52%	41%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	14874	15026	15394	15476	15123	7829
	25%	25%	25%	24%	24%	9%
grade 1 events	101	80	102	104	95	70
	0%	0%	0%	0%	0%	0%
grade 2 events	5323	5635	5060	5109	5355	9925
	9%	9%	8%	8%	8%	12%
grade 3 events	1981	1920	1957	2013	1983	4292
	3%	3%	3%	3%	3%	5%
grade 4 events	1949	1979	1996	1987	1977	4129
	3%	3%	3%	3%	3%	5%
grade 5 events	1957	2002	1948	2155	2133	5284
	3%	3%	3%	3%	3%	6%
grade 6 events	4246	4498	4261	4229	5026	19770
	7%	7%	7%	6%	8%	24%
grade 7 events	27379	27682	28969	31613	30609	27851
	47%	47%	48%	50%	49%	35%

## 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	156.0297327757986
[deg] Pointing Dec	0	-15.99694404031116
[deg] Pointing Roll	0.0	333.253252980431
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	415811237.84893	415811236.82394
Observation start date	2011-03-06T15:07:18	2011-03-06T15:07:16
[s] Observation end time (MET)	415818064.349284	415818063.32429
Observation end date	2011-03-06T17:01:04	2011-03-06T17:01:03
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.4441465450525

### A.2 Comments