

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55388 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 11 2012

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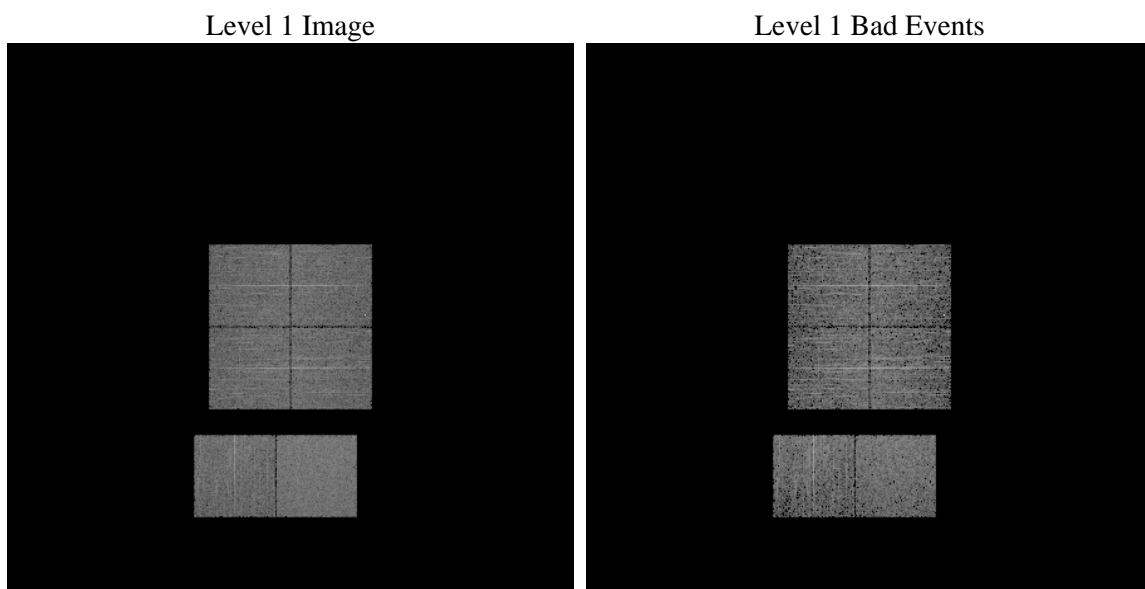
# 1 Front

seq_num	&#160	Sequence number
obs_id	55388	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	226.00887874051	Nominal RA [deg]
dec_nom	-4.0254920103496	Nominal Dec [deg]
roll_nom	229.34740847648	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3059.1116099358	Sum of GTIs [s]
livetime	3020.3752967549	Livetime [s]
ontime0	3059.0705699325	Sum of GTIs [s]
ontime1	3059.0295299292	Sum of GTIs [s]
ontime2	3058.9884899259	Sum of GTIs [s]
ontime3	3059.1526499391	Sum of GTIs [s]
ontime6	3058.9474499226	Sum of GTIs [s]
ontime7	3059.1116099358	Sum of GTIs [s]
l2events	114475	Number of level 2 events

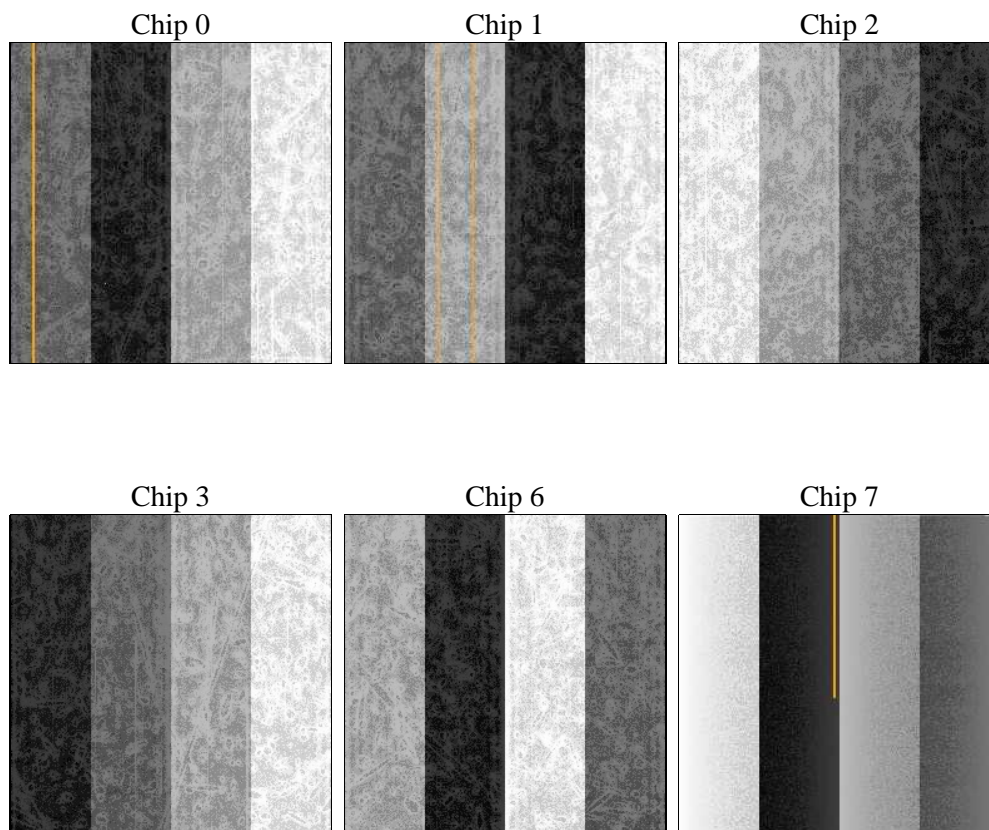
## 2 OBI

### 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	3059.1116099358	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime0	3059.0705699325	Sum of GTIs [s]
date	2012-02-11T17:03:24	Date and time of file creation	ontime1	3059.0295299292	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3058.9884899259	Sum of GTIs [s]
			ontime3	3059.1526499391	Sum of GTIs [s]
			ontime6	3058.9474499226	Sum of GTIs [s]
			ontime7	3059.1116099358	Sum of GTIs [s]
			l1events	263596	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	40604	42061	41964	42146	42519	54302	grade 0 events	10421	10977	10712	10784	10487	5235
rejected events	22254	22911	23825	23737	23582	25389		25%	26%	25%	25%	24%	9%
rejected %	54%	54%	56%	56%	55%	46%	grade 1 events	74	1056	68	62	46	48
								0%	2%	0%	0%	0%	0%
							grade 2 events	3698	3872	3410	3395	3854	6860
								9%	9%	8%	8%	9%	12%
							grade 3 events	1297	1340	1286	1317	1313	2751
								3%	3%	3%	3%	3%	5%
							grade 4 events	1276	1302	1267	1360	1305	2673
								3%	3%	3%	3%	3%	4%
							grade 5 events	1370	1394	1250	1480	1423	3558
								3%	3%	2%	3%	3%	6%
							grade 6 events	3025	3153	2844	3016	3332	13557
								7%	7%	6%	7%	7%	24%
							grade 7 events	19443	18967	21127	20732	20759	19620
								47%	45%	50%	49%	48%	36%

## 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	226.008878740508
[deg] Pointing Dec	0	-4.02549201034959
[deg] Pointing Roll	0.0	229.3474084764822
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	423351484.690144	423351484.690144
Observation start date	2011-06-01T21:38:05	2011-06-01T21:38:04
[s] Observation end time (MET)	423356033.610131	423356033.610131
Observation end date	2011-06-01T22:53:54	2011-06-01T22:53:53
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)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0591116099358

### A.2 Comments