

# V&V Reference Report

## L2 ASCDS Version : 10.3.3

Observation 51987 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Apr 1 2015

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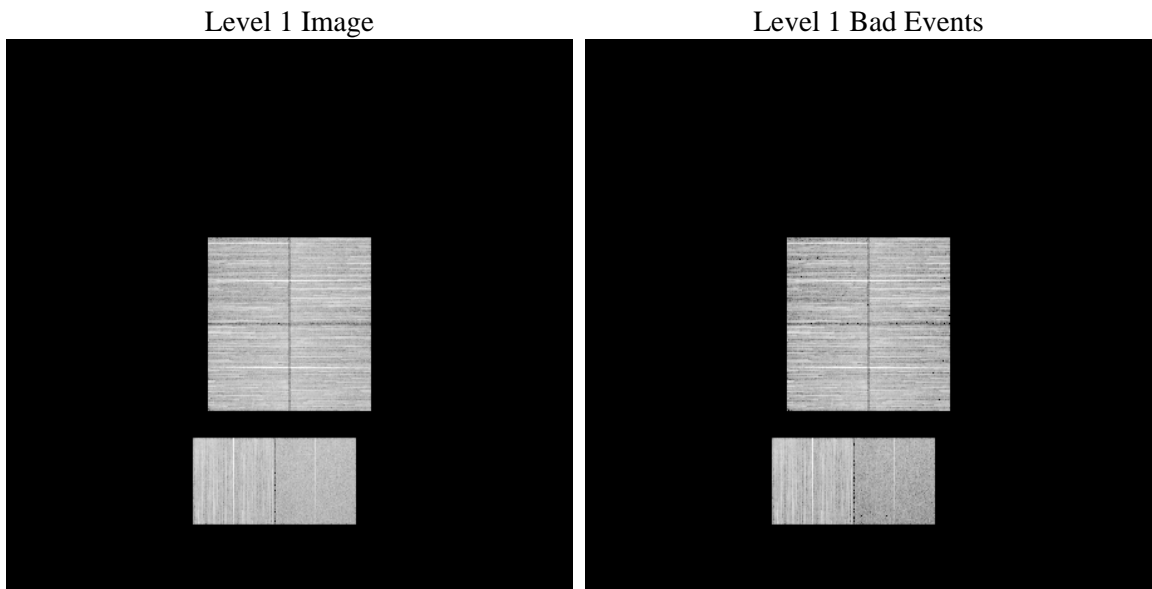
# 1 Front

seq_num	&#160	Sequence number
obs_id	51987	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycycle	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	183.26384006348	Nominal RA [deg]
dec_nom	-1.839435248308	Nominal Dec [deg]
roll_nom	249.382974789	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8108.8001208305	Sum of GTIs [s]
livetime	8006.1216111673	Livetime [s]
ontime0	8108.8001208305	Sum of GTIs [s]
ontime1	8108.8001208305	Sum of GTIs [s]
ontime2	8108.8001208305	Sum of GTIs [s]
ontime3	8108.8001208305	Sum of GTIs [s]
ontime6	8108.8001208305	Sum of GTIs [s]
ontime7	8108.8001208305	Sum of GTIs [s]
l2events	144726	Number of level 2 events

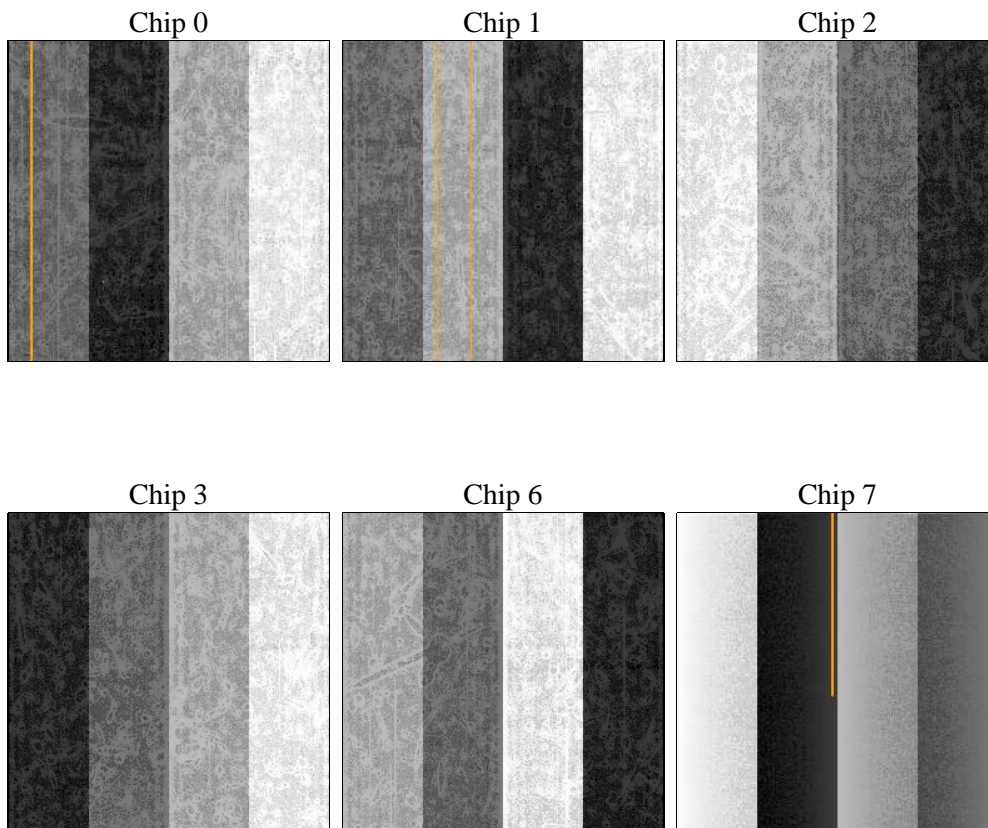
## 2 OBI

### 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	10.3.3	Processing system revision	ontime	8108.8001208305	Sum of GTIs [s]
caldbver	4.6.7	&#160	ontime0	8108.8001208305	Sum of GTIs [s]
date	2015-04-01T16:33:58	Date and time of file creation	ontime1	8108.8001208305	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8108.8001208305	Sum of GTIs [s]
			ontime3	8108.8001208305	Sum of GTIs [s]
			ontime6	8108.8001208305	Sum of GTIs [s]
			ontime7	8108.8001208305	Sum of GTIs [s]
			l1events	783357	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	118578	137700	142626	134087	144217	106149	grade 0 events	10773	10318	11256	11359	10969	6076
rejected events	97327	116044	120906	112373	121657	61154		9%	7%	7%	8%	7%	5%
rejected %	82%	84%	84%	83%	84%	57%	grade 1 events	62	49	58	63	61	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	4402	4939	4353	4223	4833	11167
								3%	3%	3%	3%	3%	10%
							grade 3 events	1593	1513	1593	1554	1544	3843
								1%	1%	1%	1%	1%	3%
							grade 4 events	1514	1543	1578	1621	1613	3812
								1%	1%	1%	1%	1%	3%
							grade 5 events	2480	2600	2367	2919	2740	6892
								2%	1%	1%	2%	1%	6%
							grade 6 events	3459	3794	3447	3451	4068	21096
								2%	2%	2%	2%	2%	19%
							grade 7 events	94295	112944	117974	108897	118389	53181
								79%	82%	82%	81%	82%	50%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	183.2638400634838	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-1.839435248307954	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	249.3829747889962	[s] Primary exposure time	3.2	3.2
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)	544223630.623569	544223630.623569			
Observation start date	2015-03-31T21:13:51	2015-03-31T21:13:50			
[s] Observation end time (MET)	544233178.706545	544233178.706545			
Observation end date	2015-03-31T23:52:59	2015-03-31T23:52:58			
Read mode	TIMED	TIMED			

**2.3 Star Slots**

**2.4 FID Slots**

# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.04.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1088001208305

## A.2 Comments