

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57811 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 15 2012

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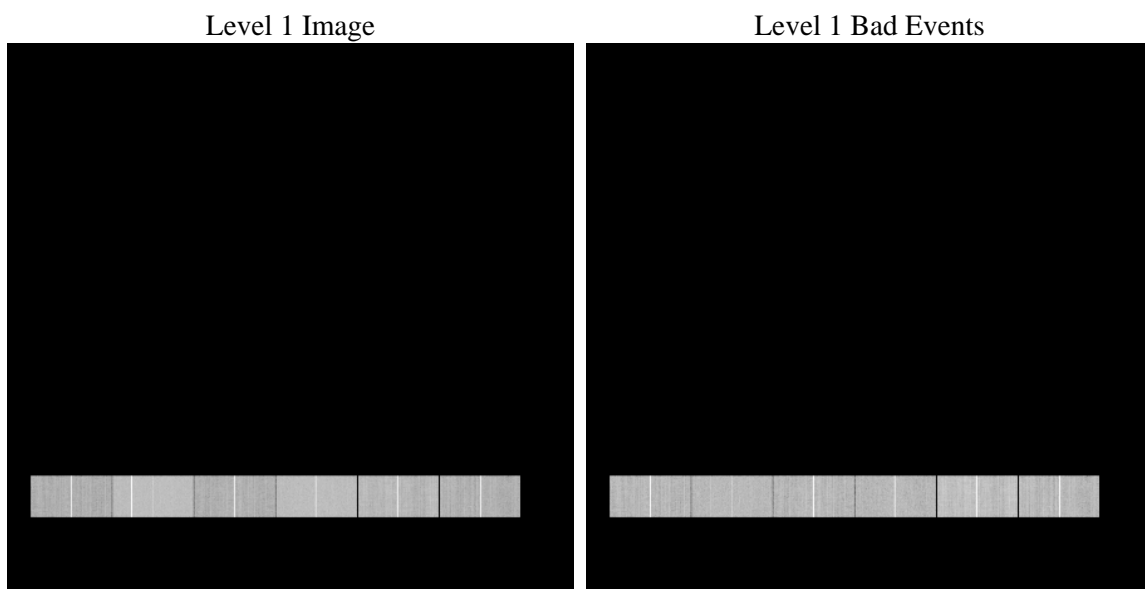
# 1 Front

seq_num	&#160	Sequence number
obs_id	57811	Observation id
title	ACIS-456789 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	233.97619468578	Nominal RA [deg]
dec_nom	4.9837882873715	Nominal Dec [deg]
roll_nom	181.45081656969	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8371.5	Sum of GTIs [s]
livetime	8338.798828125	Livetime [s]
ontime4	4514.0886107087	Sum of GTIs [s]
ontime5	8371.5	Sum of GTIs [s]
ontime6	4905.1499937177	Sum of GTIs [s]
ontime7	8371.5	Sum of GTIs [s]
ontime8	5093.3852653503	Sum of GTIs [s]
ontime9	4874.5073990822	Sum of GTIs [s]
l2events	377149	Number of level 2 events

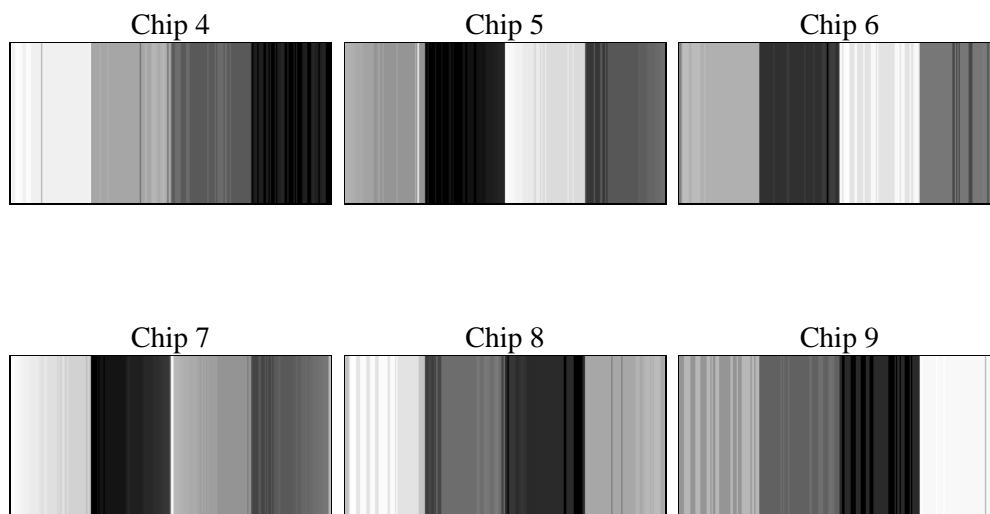
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8371.5	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	4514.0886107087	Sum of GTIs [s]
date	2012-05-15T05:15:55	Date and time of file creation	ontime5	8371.5	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4905.1499937177	Sum of GTIs [s]
			ontime7	8371.5	Sum of GTIs [s]
			ontime8	5093.3852653503	Sum of GTIs [s]
			ontime9	4874.5073990822	Sum of GTIs [s]
			l1events	1441561	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	188150	320660	197066	282041	251700	201944	grade 0 events	5623	38125	5369	19939	10817	5993
rejected events	160402	149425	162983	146902	208821	168224		2%	11%	2%	7%	4%	2%
rejected %	85%	46%	82%	52%	82%	83%	grade 1 events	82	183	52	184	105	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	31484	67415	35395	40569	38479	34073
								16%	21%	17%	14%	15%	16%
							grade 3 events	1518	3204	1551	8940	2774	1538
								0%	0%	0%	3%	1%	0%
							grade 4 events	1503	3145	1447	8741	2779	1647
								0%	0%	0%	3%	1%	0%
							grade 5 events	2347	9328	2510	11239	3528	2627
								1%	2%	1%	3%	1%	1%
							grade 6 events	9830	59422	12658	57026	15138	12174
								5%	18%	6%	20%	6%	6%
							grade 7 events	135763	139838	138084	135403	178080	143820
								72%	43%	70%	48%	70%	71%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	233.9761946857838	Alternating exposures requested	N	N
[deg] Pointing Dec	0	4.983788287371532	[s] Primary exposure time	0	0
[deg] Pointing Roll	0.0	181.4508165696913			
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	327415570.342885	327415569.31788			
Observation start date	2008-05-17T12:46:10	2008-05-17T12:46:09			
[s] Observation end time (MET)	327439668.094059	327439667.06906			
Observation end date	2008-05-17T19:27:48	2008-05-17T19:27:47			
Read mode	CONTINUOUS	CONTINUOUS			

## **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	8.3715

### A.2 Comments