

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57883 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 12 2012

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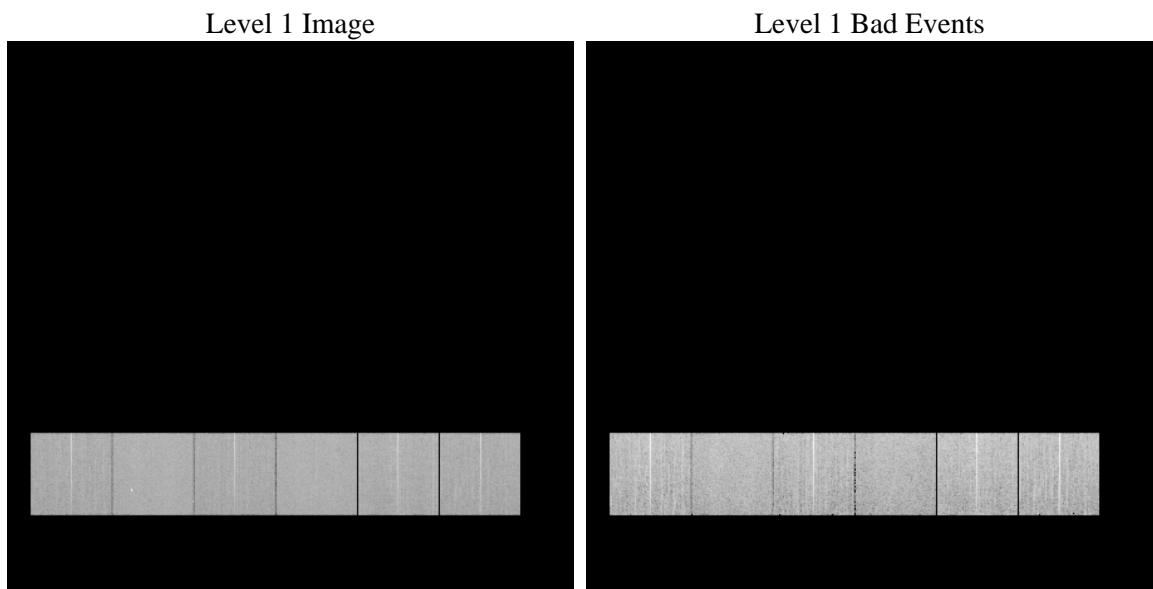
# 1 Front

seq_num	&#160	Sequence number
obs_id	57883	Observation id
title	ACIS-456789 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	201.80499459927	Nominal RA [deg]
dec_nom	18.826102456431	Nominal Dec [deg]
roll_nom	163.31368932654	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8267.5441159606	Sum of GTIs [s]
livetime	8162.8554942469	Livetime [s]
ontime4	8267.4209959507	Sum of GTIs [s]
ontime5	8267.5030759573	Sum of GTIs [s]
ontime6	8267.462035954	Sum of GTIs [s]
ontime7	8267.5441159606	Sum of GTIs [s]
ontime8	8267.3799559474	Sum of GTIs [s]
ontime9	8267.5851559639	Sum of GTIs [s]
l2events	634239	Number of level 2 events

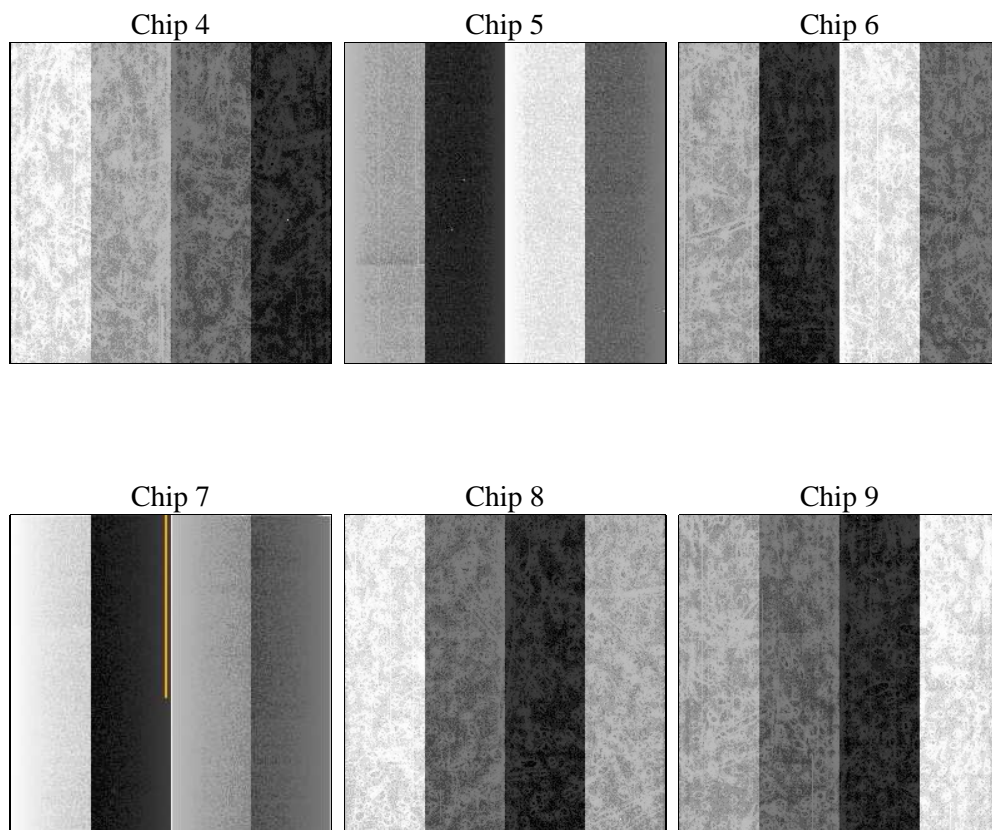
## 2 OBI

### 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	8267.5441159606	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8267.4209959507	Sum of GTIs [s]
date	2012-05-12T14:51:10	Date and time of file creation	ontime5	8267.5030759573	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8267.462035954	Sum of GTIs [s]
			ontime7	8267.5441159606	Sum of GTIs [s]
			ontime8	8267.3799559474	Sum of GTIs [s]
			ontime9	8267.5851559639	Sum of GTIs [s]
			l1events	1129609	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	176064	200154	177955	200196	196779	178461	grade 0 events	55568	21156	55472	27062	59217	54873
rejected events	78958	69907	73577	64977	80872	77247		31%	10%	31%	13%	30%	30%
rejected %	44%	34%	41%	32%	41%	43%	grade 1 events	557	217	377	153	385	394
								0%	0%	0%	0%	0%	0%
							grade 2 events	15542	46829	18545	29299	21278	17523
								8%	23%	10%	14%	10%	9%
							grade 3 events	6601	6546	6597	12859	8057	6722
								3%	3%	3%	6%	4%	3%
							grade 4 events	6707	6146	6695	12934	8012	6652
								3%	3%	3%	6%	4%	3%
							grade 5 events	4036	9587	4232	10707	5408	4734
								2%	4%	2%	5%	2%	2%
							grade 6 events	12809	49724	17196	53230	19485	15557
								7%	24%	9%	26%	9%	8%
							grade 7 events	74244	59949	68841	53952	74937	72006
								42%	29%	38%	26%	38%	40%

## 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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	201.804994599271	Alternating exposures requested	N	N
[deg] Pointing Dec	0	18.82610245643057	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	163.3136893265437			
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	323763653.014981	323763651.98998			
Observation start date	2008-04-05T06:20:53	2008-04-05T06:20:51			
[s] Observation end time (MET)	323787494.516142	323787493.49114			
Observation end date	2008-04-05T12:58:15	2008-04-05T12:58:13			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2675441159606

### **A.2 Comments**