

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57760 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 16 2012

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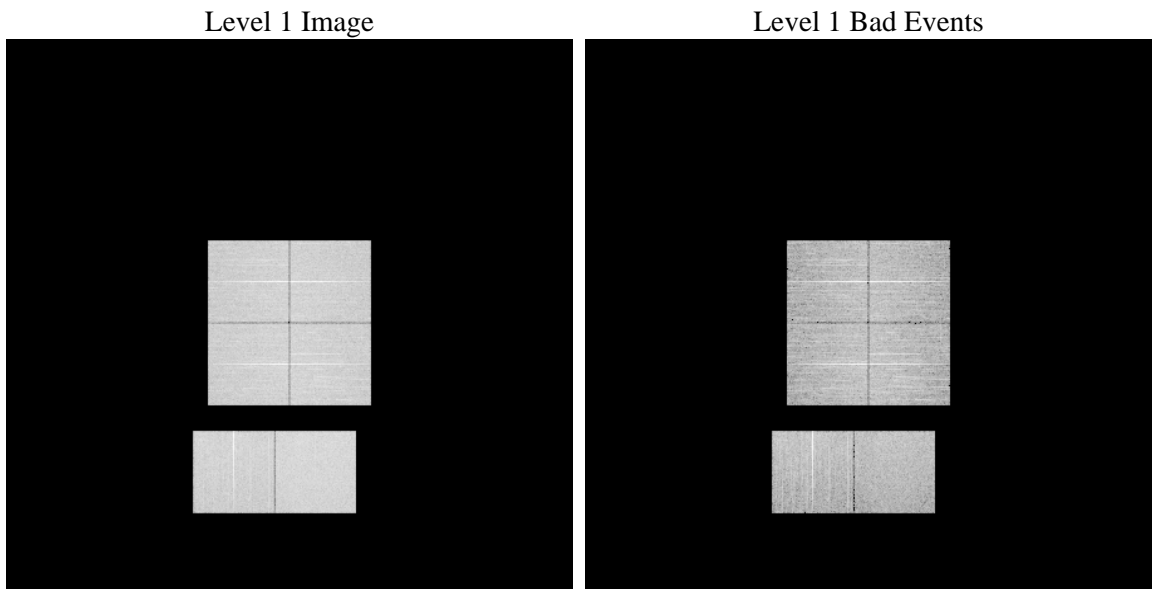
# 1 Front

seq_num	&#160	Sequence number
obs_id	57760	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	255.9852530987	Nominal RA [deg]
dec_nom	-0.026590714404593	Nominal Dec [deg]
roll_nom	198.82718753859	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8270.5650428534	Sum of GTIs [s]
livetime	8165.8381683444	Livetime [s]
ontime0	8270.5240028501	Sum of GTIs [s]
ontime1	8264.0009822249	Sum of GTIs [s]
ontime2	8270.4419228435	Sum of GTIs [s]
ontime3	8270.6060828567	Sum of GTIs [s]
ontime6	8270.4008828402	Sum of GTIs [s]
ontime7	8270.5650428534	Sum of GTIs [s]
l2events	579460	Number of level 2 events

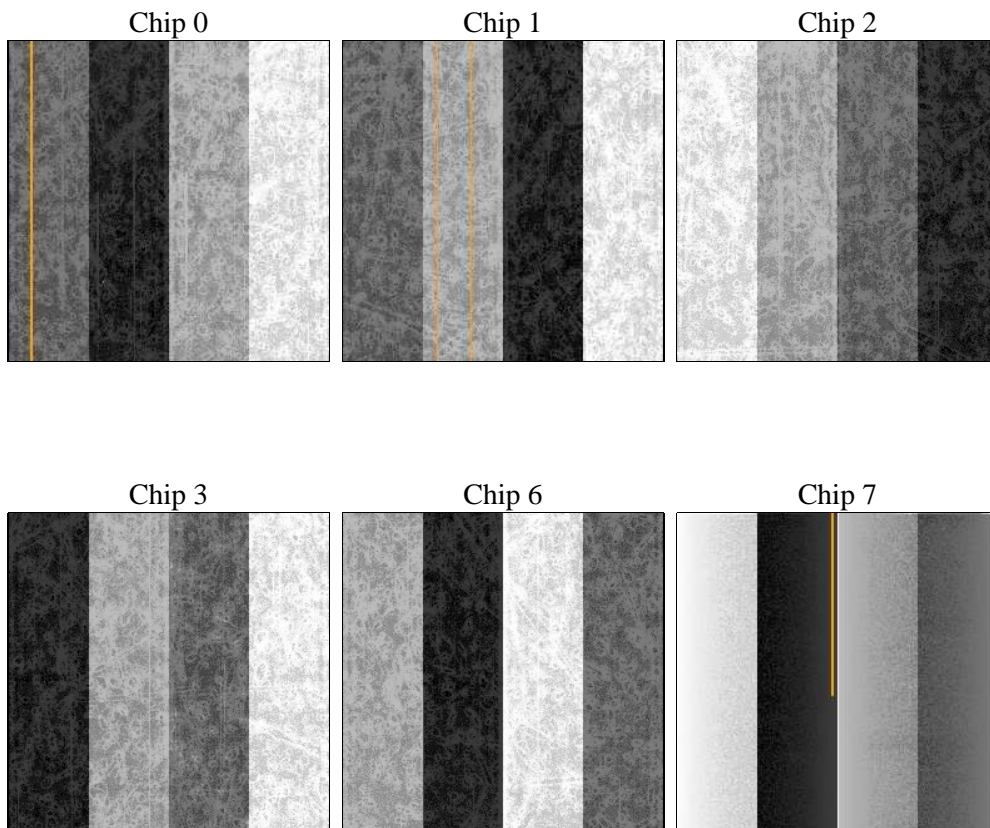
## 2 OBI

### 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	8270.5650428534	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8270.5240028501	Sum of GTIs [s]
date	2012-05-16T15:49:50	Date and time of file creation	ontime1	8264.0009822249	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8270.4419228435	Sum of GTIs [s]
			ontime3	8270.6060828567	Sum of GTIs [s]
			ontime6	8270.4008828402	Sum of GTIs [s]
			ontime7	8270.5650428534	Sum of GTIs [s]
			l1events	1029994	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	162335	163021	167856	170281	172478	194023	grade 0 events	51110	50317	53028	53561	52303	25400
rejected events	67299	67871	72175	73873	72979	64485		31%	30%	31%	31%	30%	13%
rejected %	41%	41%	42%	43%	42%	33%	grade 1 events	332	307	380	389	291	162
								0%	0%	0%	0%	0%	0%
							grade 2 events	17010	17755	15873	16292	17707	28326
								10%	10%	9%	9%	10%	14%
							grade 3 events	6387	6181	6500	6481	6230	11933
								3%	3%	3%	3%	3%	6%
							grade 4 events	6204	6103	6421	6449	6424	11853
								3%	3%	3%	3%	3%	6%
							grade 5 events	3746	3910	3644	4287	4014	10243
								2%	2%	2%	2%	2%	5%
							grade 6 events	14325	14794	13859	13625	16835	52026
								8%	9%	8%	8%	9%	26%
							grade 7 events	63221	63654	68151	69197	68674	54080
								38%	39%	40%	40%	39%	27%

## 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	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	255.985253098697	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-0.02659071440459313	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	198.8271875385933			
[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)	329938681.766102	329938680.7411			
Observation start date	2008-06-15T17:38:02	2008-06-15T17:38:00			
[s] Observation end time (MET)	329951717.71674	329951716.69173			
Observation end date	2008-06-15T21:15:18	2008-06-15T21:15:16			
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)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2705650428534

### A.2 Comments