

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 60752 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Aug 1 2006

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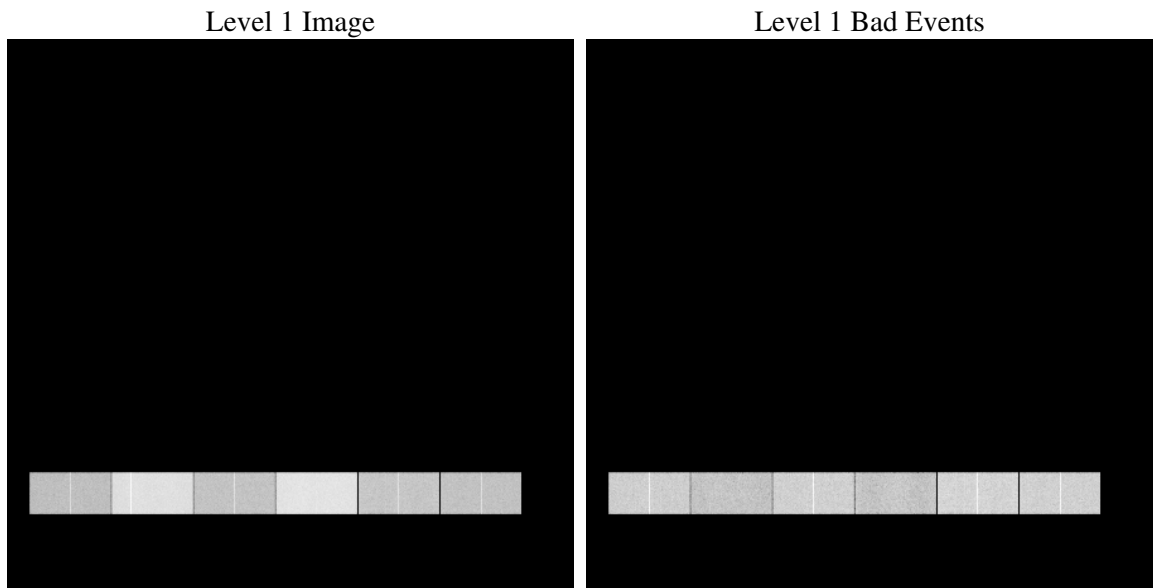
# 1 Front

seq_num	&#160
obs_id	60752
title	ACIS-456789 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	&#160
ra_targ	0.0
dec_targ	0.0
ra_nom	243.97999655403
dec_nom	-12.979061673031
roll_nom	100.02809826545
revision	2
ontime	9487.75
livetime	9450.6884765625
ontime4	3703.5785601139
ontime5	9487.75
ontime6	4052.9303570092
ontime7	9487.75
ontime8	4149.2364019156
ontime9	4013.5320572853
l2events	900228

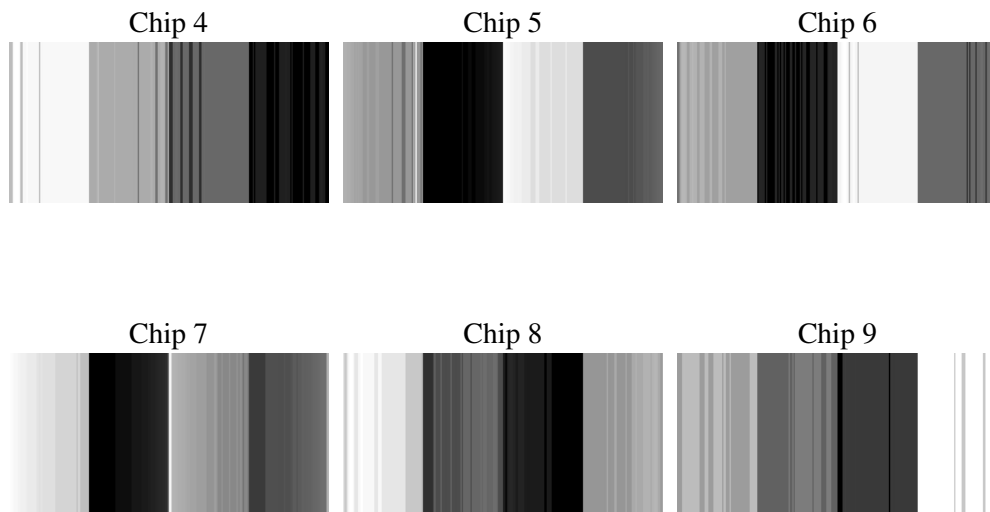
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.8
caldbver	3.2.2
date	2006-08-01T10:54:56
revision	2

sched_exp_time	0.0
ontime	9529.9292825758
ontime4	3720.9518712759
ontime5	9529.9292825758
ontime6	4069.6978833079
ontime7	9529.9292825758
ontime8	4167.4631277919
ontime9	4030.2996629179
l1events	1668155

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	176967	424829	198153	461020	215110	192076
rejected events	122708	90674	129498	93855	143247	129584
rejected %	69%	21%	65%	20%	66%	67%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	14265	23750	12791	52202	20161	14426
	8%	5%	6%	11%	9%	7%
grade 1 events	99	84	52	150	117	86
	0%	0%	0%	0%	0%	0%
grade 2 events	83135	176756	98500	132663	96964	92674
	46%	41%	49%	28%	45%	48%
grade 3 events	2078	5498	1857	21460	2970	1904
	1%	1%	0%	4%	1%	0%
grade 4 events	2081	5436	1821	21030	3038	2099
	1%	1%	0%	4%	1%	1%
grade 5 events	2116	7109	1939	8992	2204	1931
	1%	1%	0%	1%	1%	1%
grade 6 events	25611	124450	33180	141626	32671	30696
	14%	29%	16%	30%	15%	15%
grade 7 events	47582	81746	48013	82897	56985	48260
	26%	19%	24%	17%	26%	25%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
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
Pointing RA	0	243.9799965540269	Alternating exposures requested	N	N
Pointing Dec	0	-12.97906167303097	Primary exposure time	0.000000	0
Pointing Roll	0.0	100.0280982654485			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-190.132523	250.4635187648994			
SIM translation stage offset (mm)	0	-0.007540371344731511			
Observation start time	168402817.389457	168402816.36472			
Observation start date	2003-05-04T02:33:37	2003-05-04T02:33:36			
Observation end time	168427427.640499	168427426.61576			
Observation end date	2003-05-04T09:23:48	2003-05-04T09:23:46			
Read mode	CONTINUOUS	CONTINUOUS			

## 2.3 Aspect



## **2.4 Star Slots**

## **2.5 FID Slots**



## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.08.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.48775

### A.2 Comments