

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 60493 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Jun 30 2006

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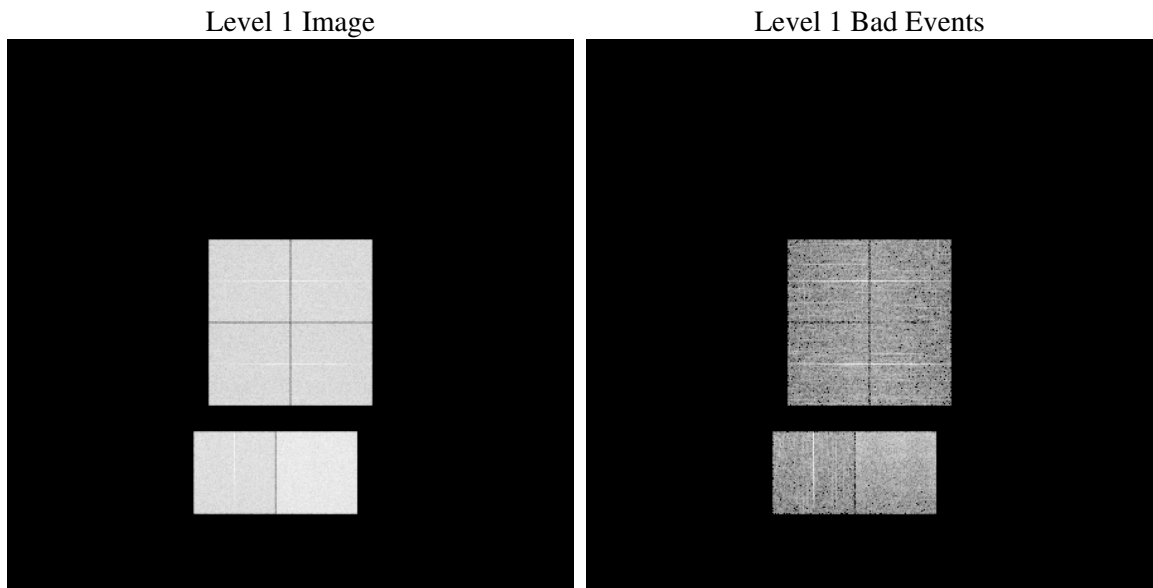
# 1 Front

seq_num	&#160
obs_id	60493
title	ACIS-012367 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	&#160
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	273.46543052244
dec_nom	65.889805221645
roll_nom	306.16563102789
revision	2
ontime	7811.199970901
livetime	7712.2898535295
ontime0	5299.8443509042
ontime1	5532.800860405
ontime2	5147.6004603207
ontime3	5260.5581830144
ontime6	5734.2581919432
ontime7	7811.199970901
l2events	1189670

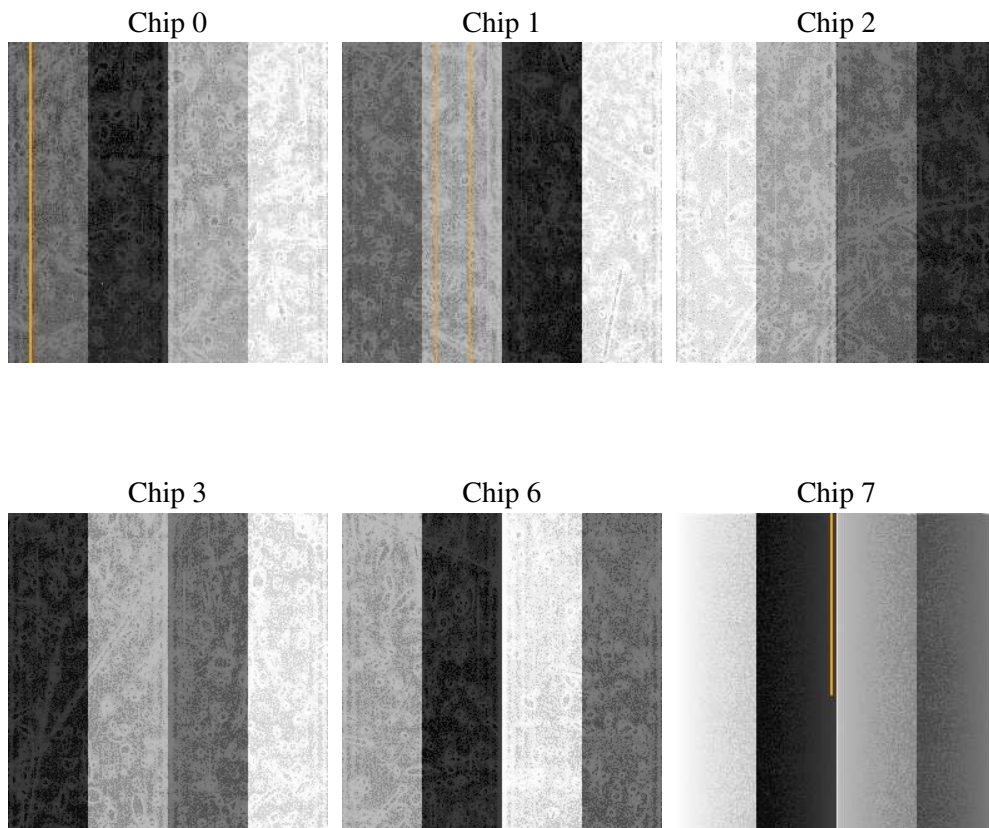
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	4
ascdsver	7.6.8
caldbver	3.2.2
date	2006-06-30T14:33:51
revision	2

sched_exp_time	0.0
ontime	7814.0528776348
ontime0	5302.3028621078
ontime1	5535.6537671387
ontime2	5149.9768915176
ontime3	5263.4110897481
ontime6	5736.5935831666
ontime7	7814.0528776348
l1events	1422225

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	213008	222324	209807	215805	242615	318666
rejected events	26100	26174	26590	27660	29079	39878
rejected %	12%	11%	12%	12%	11%	12%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	103286	108506	103282	106211	116894	52491
	48%	48%	49%	49%	48%	16%
grade 1 events	465	452	509	484	448	120
	0%	0%	0%	0%	0%	0%
grade 2 events	32501	34451	30922	31918	36968	83559
	15%	15%	14%	14%	15%	26%
grade 3 events	12160	12457	11834	12355	13268	21091
	5%	5%	5%	5%	5%	6%
grade 4 events	12187	12332	11957	12398	13214	21132
	5%	5%	5%	5%	5%	6%
grade 5 events	1827	1898	1718	1958	2209	5376
	0%	0%	0%	0%	0%	1%
grade 6 events	26907	28511	25326	25375	33329	100625
	12%	12%	12%	11%	13%	31%
grade 7 events	23675	23717	24259	25106	26285	34272
	11%	10%	11%	11%	10%	10%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
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
Pointing RA	0	273.4654305224381	Alternating exposures requested	N	N
Pointing Dec	0	65.88980522164491	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	306.1656310278863			
SIM focus pos (mm)	-0.782348	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	184134780.460935	184134779.43626			
Observation start date	2003-11-02T04:33:00	2003-11-02T04:32:59			
Observation end time	184171032.662496	184171031.63782			
Observation end date	2003-11-02T14:37:13	2003-11-02T14:37:11			
Read mode	TIMED	TIMED			

## 2.3 Aspect



## **2.4 Star Slots**

## **2.5 FID Slots**



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.81119997

### A.2 Comments