

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 60846 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Jul 28 2006

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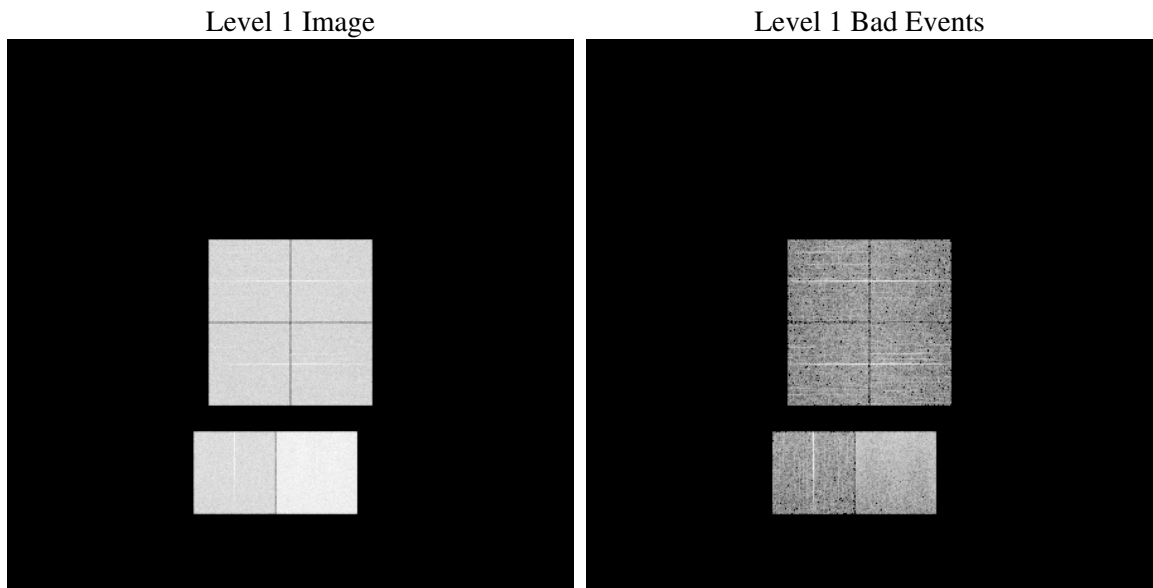
# 1 Front

seq_num	&#160
obs_id	60846
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	105.0205927636
dec_nom	4.9800520738182
roll_nom	282.91168418419
revision	2
ontime	7795.1999709606
livetime	7696.4924552224
ontime0	4233.3590687215
ontime1	4283.4102089703
ontime2	4043.6166984439
ontime3	4036.9709759951
ontime6	4529.8083312809
ontime7	7795.1999709606
l2events	1171566

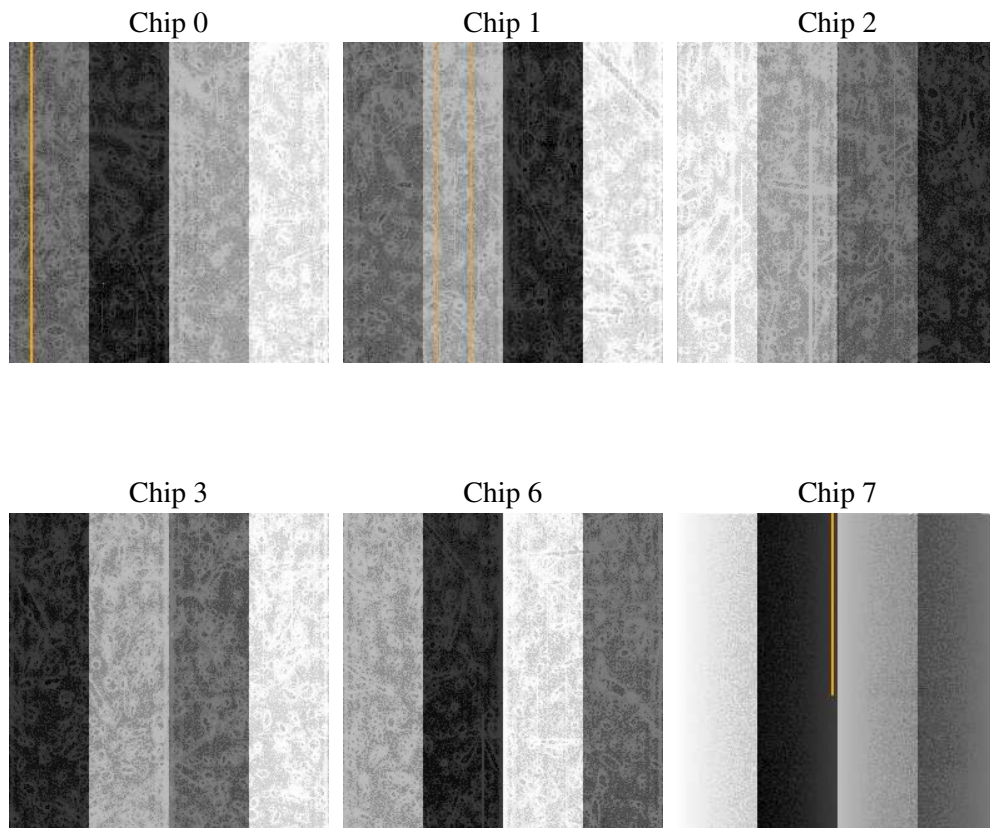
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-28T04:23:45
revision	2

sched_exp_time	0.0
ontime	7797.8656073809
ontime0	4236.0247051418
ontime1	4284.6396681368
ontime2	4044.8051176071
ontime3	4038.3235551715
ontime6	4530.9557104707
ontime7	7797.8656073809
l1events	1427344

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	205375	206976	198603	201416	229383	385591
rejected events	28551	27815	28203	30395	31338	55530
rejected %	13%	13%	14%	15%	13%	14%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	97887	98281	95736	96761	108472	57983
	47%	47%	48%	48%	47%	15%
grade 1 events	573	446	563	552	512	146
	0%	0%	0%	0%	0%	0%
grade 2 events	30805	32330	28603	28765	34308	101703
	14%	15%	14%	14%	14%	26%
grade 3 events	11296	11085	11165	11016	12089	23833
	5%	5%	5%	5%	5%	6%
grade 4 events	11287	11245	11204	11039	11980	23261
	5%	5%	5%	5%	5%	6%
grade 5 events	1892	1953	1784	2017	2256	6892
	0%	0%	0%	1%	0%	1%
grade 6 events	25549	26220	23692	23440	31196	123281
	12%	12%	11%	11%	13%	31%
grade 7 events	26086	25416	25856	27826	28570	48492
	12%	12%	13%	13%	12%	12%

## 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	105.0205927636039	Alternating exposures requested	N	N
Pointing Dec	0	4.980052073818226	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	282.9116841841941			
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	161748941.458873	161748940.43416			
Observation start date	2003-02-16T02:15:41	2003-02-16T02:15:40			
Observation end time	161760700.259367	161760699.23465			
Observation end date	2003-02-16T05:31:40	2003-02-16T05:31:39			
Read mode	TIMED	TIMED			

## 2.3 Aspect



## **2.4 Star Slots**

## **2.5 FID Slots**



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.79519997

### A.2 Comments

The ACIS focal plane temperature was above calibration limits for the entire observation.