

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 61490 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Dec 22 2006

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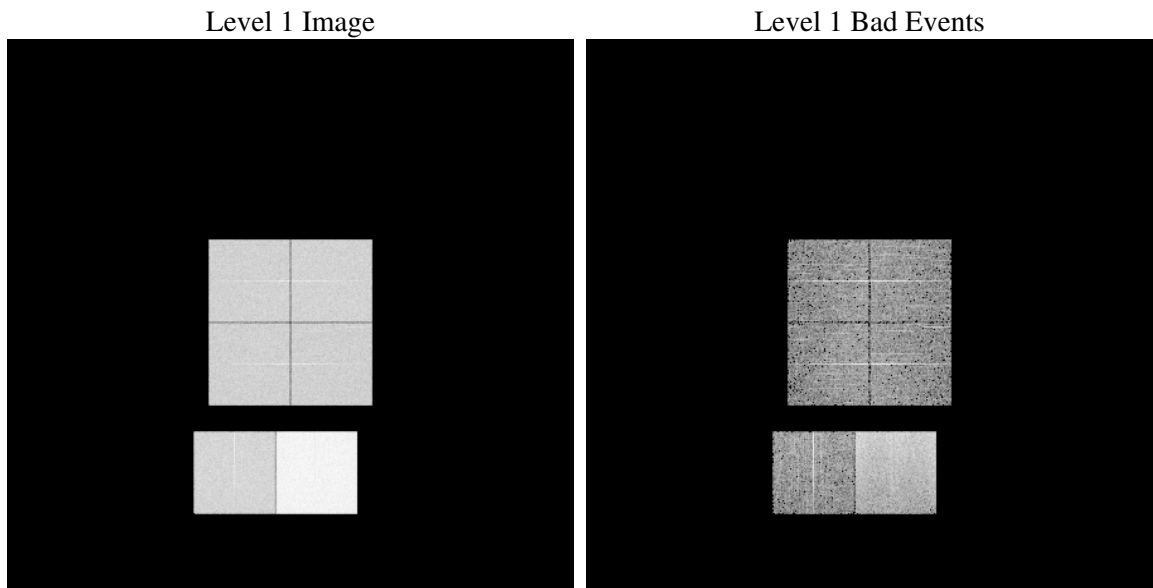
# 1 Front

seq_num	&#160
obs_id	61490
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	158.04431572912
dec_nom	56.615044974417
roll_nom	359.03656318425
revision	2
ontime	7453.1860480607
livetime	7358.8093185503
ontime0	3048.7007688135
ontime1	3153.136925593
ontime2	2948.2290276736
ontime3	2877.5266225636
ontime6	3236.6801312417
ontime7	7453.1860480607
l2events	1311600

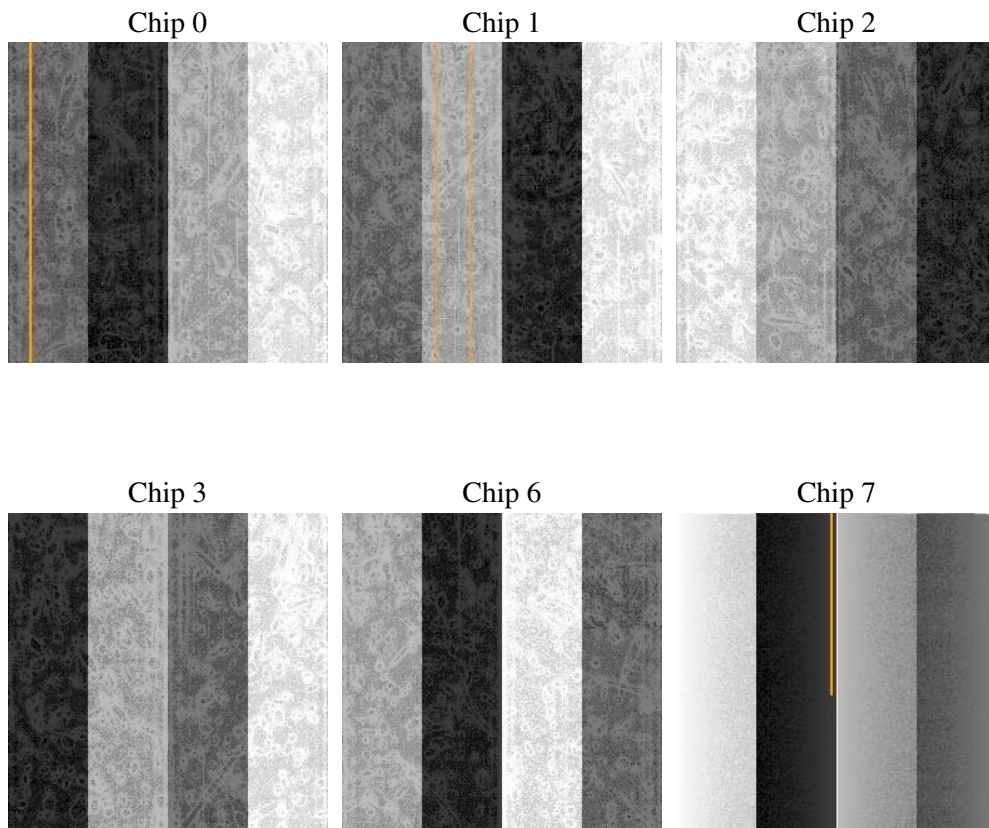
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.4
date	2006-12-22T04:37:47
revision	2

sched_exp_time	0.0
ontime	7545.0478167683
ontime0	3085.4659443051
ontime1	3189.178695783
ontime2	2984.9941732436
ontime3	2913.6915725768
ontime6	3276.686316818
ontime7	7545.0478167683
l1events	1545769

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	205397	211341	200949	197415	228017	502650
rejected events	22676	23320	23333	23455	25864	59196
rejected %	11%	11%	11%	11%	11%	11%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	101529	104645	99713	98372	110938	80871
	49%	49%	49%	49%	48%	16%
grade 1 events	463	508	464	465	450	179
	0%	0%	0%	0%	0%	0%
grade 2 events	32877	34027	32312	31221	35945	137060
	16%	16%	16%	15%	15%	27%
grade 3 events	11701	11826	11158	11056	12481	33368
	5%	5%	5%	5%	5%	6%
grade 4 events	11585	11928	10847	10960	12380	32801
	5%	5%	5%	5%	5%	6%
grade 5 events	1526	1639	1489	1559	1778	7299
	0%	0%	0%	0%	0%	1%
grade 6 events	27145	27730	25853	24487	32796	164806
	13%	13%	12%	12%	14%	32%
grade 7 events	18571	19038	19113	19295	21249	46266
	9%	9%	9%	9%	9%	9%

## 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	158.0443157291186	Alternating exposures requested	N	N
Pointing Dec	0	56.61504497441691	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	359.0365631842506			
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	115405630.712	115405629.94343			
Observation start date	2001-08-28T17:07:11	2001-08-28T17:07:09			
Observation end time	115417182.462	115417181.69389			
Observation end date	2001-08-28T20:19:42	2001-08-28T20:19:41			
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)	2006.12.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.45318604

### A.2 Comments

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