

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 60896 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Oct 18 2006

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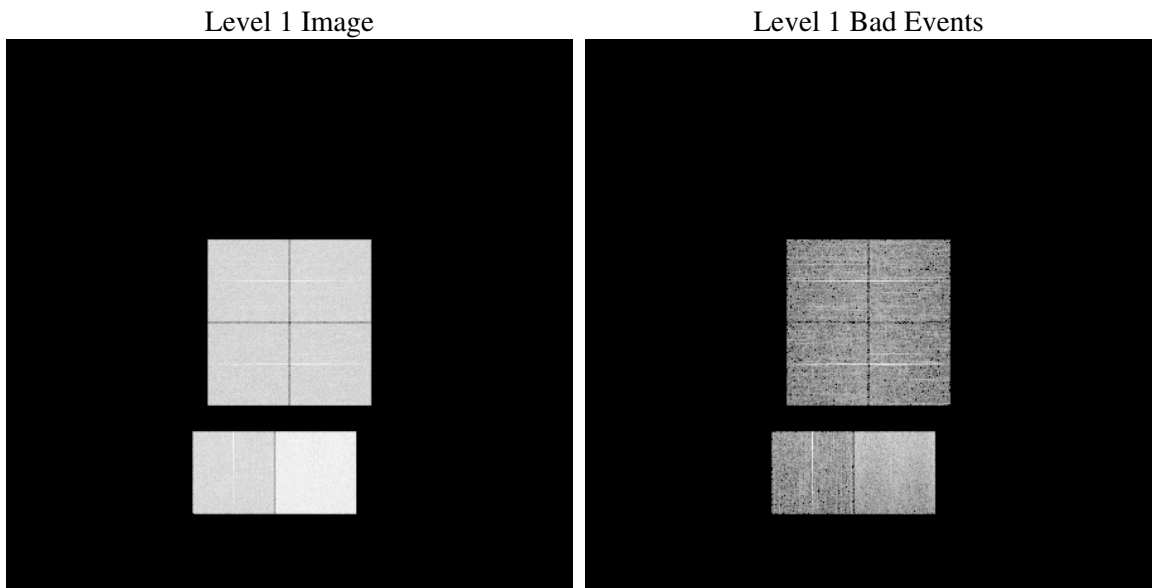
# 1 Front

seq_num	&#160
obs_id	60896
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	81.924222863866
dec_nom	15.583453935539
roll_nom	291.72615713498
revision	2
ontime	7795.1999709606
livetime	7696.4924552224
ontime0	4090.754642874
ontime1	4199.2046482265
ontime2	3933.4830073416
ontime3	3996.7659167051
ontime6	4385.6862566173
ontime7	7795.1999709606
l2events	1176797

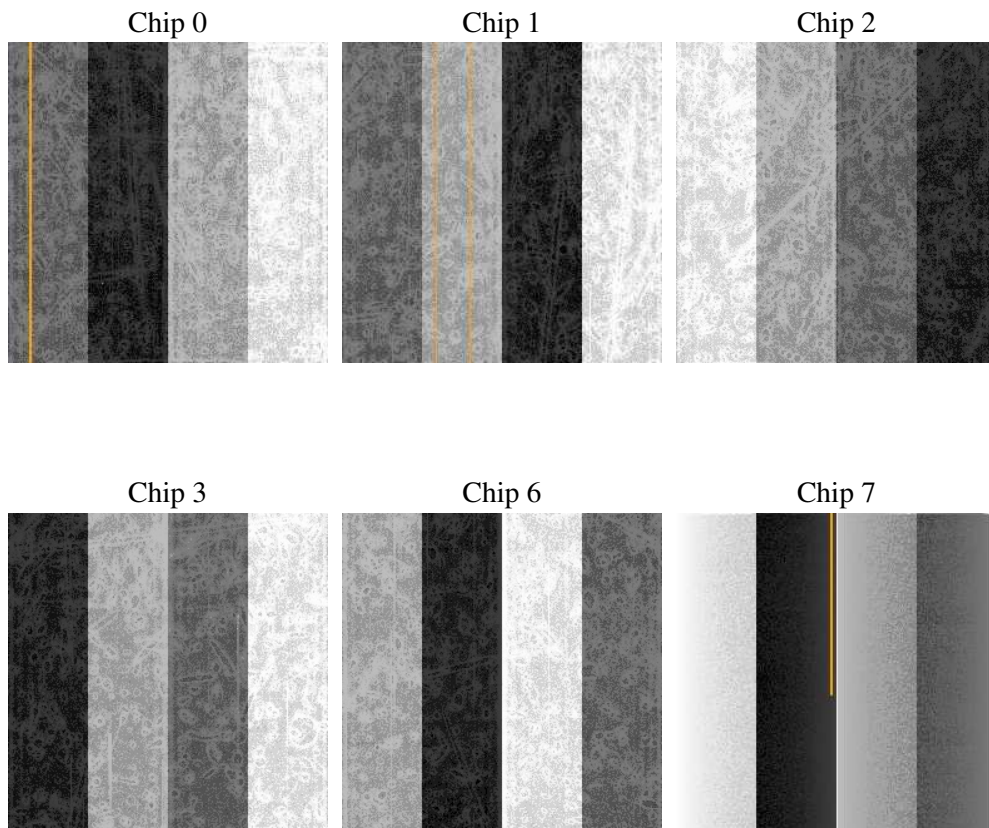
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-19T01:23:30
revision	2

sched_exp_time	0.0
ontime	7797.8659158647
ontime0	4093.4205877781
ontime1	4200.3742803037
ontime2	3934.6115994155
ontime3	3999.4318616092
ontime6	4388.3522015214
ontime7	7797.8659158647
l1events	1427813

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	203403	208317	197332	201652	226101	391008
rejected events	28161	28702	27513	27900	29859	55185
rejected %	13%	13%	13%	13%	13%	14%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	96993	99247	95489	98072	107006	58086
	47%	47%	48%	48%	47%	14%
grade 1 events	523	461	534	532	489	167
	0%	0%	0%	0%	0%	0%
grade 2 events	30799	31725	28714	29643	33874	103628
	15%	15%	14%	14%	14%	26%
grade 3 events	11180	11308	11155	11374	12065	23778
	5%	5%	5%	5%	5%	6%
grade 4 events	11172	11465	10927	11067	12041	23394
	5%	5%	5%	5%	5%	5%
grade 5 events	1900	1942	1794	1902	2145	7019
	0%	0%	0%	0%	0%	1%
grade 6 events	25098	25870	23534	23596	31256	126937
	12%	12%	11%	11%	13%	32%
grade 7 events	25738	26299	25185	25466	27225	47999
	12%	12%	12%	12%	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	81.92422286386579	Alternating exposures requested	N	N
Pointing Dec	0	15.58345393553908	Primary exposure time	3.2	3.2
Pointing Roll	0.0	291.7261571349812			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	158085671.255344	158085670.23063			
Observation start date	2003-01-04T16:41:11	2003-01-04T16:41:10			
Observation end time	158095482.555754	158095481.53104			
Observation end date	2003-01-04T19:24:43	2003-01-04T19:24:41			
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)	2006.10.19
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.