

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 60684 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Aug 8 2006

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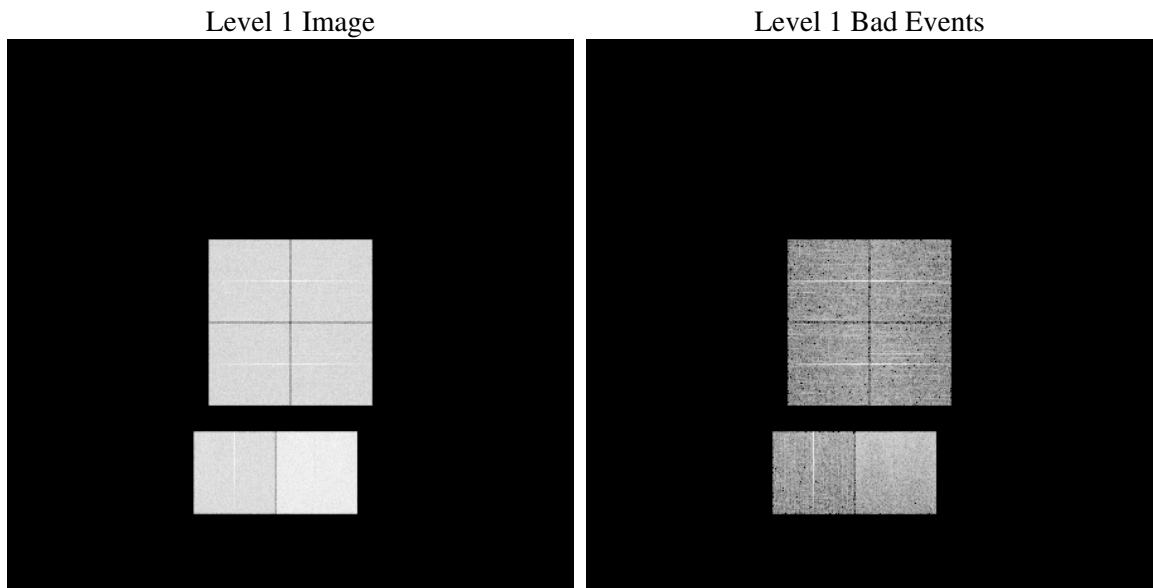
# 1 Front

seq_num	&#160
obs_id	60684
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	312.97089972403
dec_nom	18.007254310638
roll_nom	132.37991463358
revision	2
ontime	8409.5999686718
livetime	8303.1125502153
ontime0	5139.4585166574
ontime1	5206.8589962721
ontime2	4967.0667715669
ontime3	4980.6504459381
ontime6	5424.0871202052
ontime7	8409.5999686718
l2events	1258592

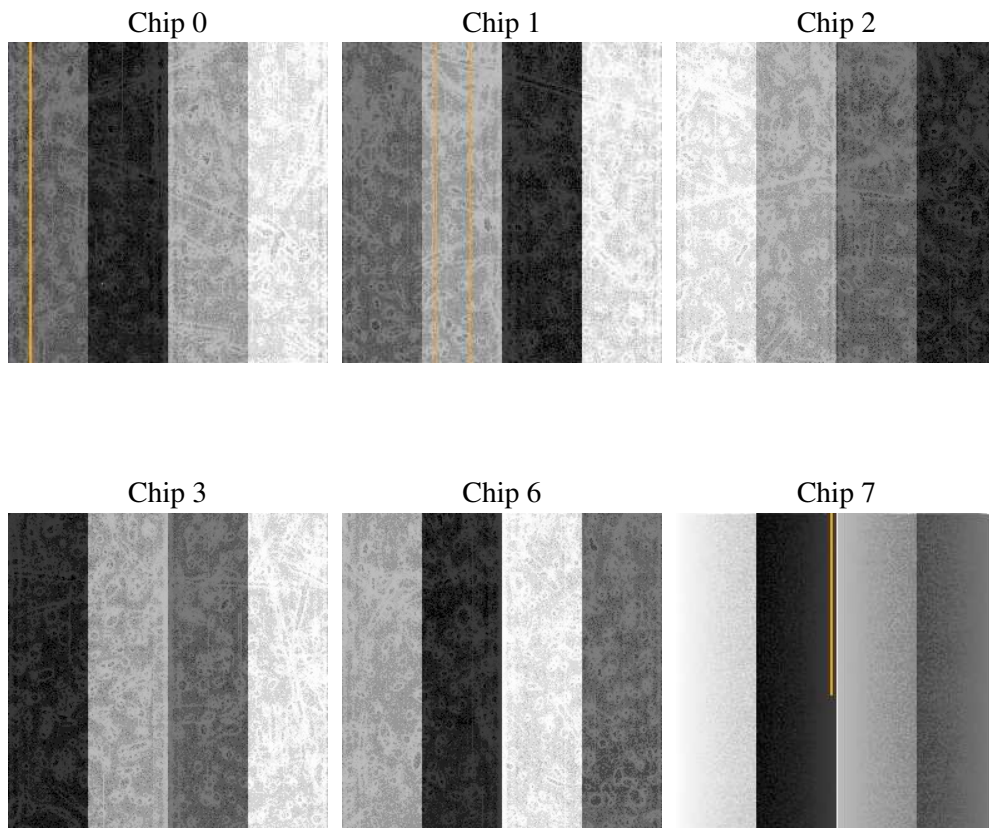
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldbver	3.2.2
date	2006-08-09T01:18:25
revision	2

sched_exp_time	0.0
ontime	8468.7414197624
ontime0	5172.6721258461
ontime1	5234.2506715357
ontime2	4997.6583969295
ontime3	5013.8640551269
ontime6	5464.3606263995
ontime7	8468.7414197624
l1events	1540543

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	228062	230721	223558	226063	251769	380370
rejected events	31712	31599	31792	33608	35149	58526
rejected %	13%	13%	14%	14%	13%	15%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	109506	110003	108262	109314	119247	55305
	48%	47%	48%	48%	47%	14%
grade 1 events	535	495	598	596	532	152
	0%	0%	0%	0%	0%	0%
grade 2 events	34509	35462	32378	32890	37653	100271
	15%	15%	14%	14%	14%	26%
grade 3 events	12654	12617	12655	12459	13278	22784
	5%	5%	5%	5%	5%	5%
grade 4 events	12596	12709	12469	12498	13234	22326
	5%	5%	5%	5%	5%	5%
grade 5 events	2147	2203	2064	2090	2364	6887
	0%	0%	0%	0%	0%	1%
grade 6 events	28278	29304	27146	26576	34767	123295
	12%	12%	12%	11%	13%	32%
grade 7 events	27837	27928	27986	29640	30694	49350
	12%	12%	12%	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	312.9708997240345	Alternating exposures requested	N	N
Pointing Dec	0	18.00725431063828	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	132.3799146335817			
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	172515177.013774	172515175.98905			
Observation start date	2003-06-20T16:52:57	2003-06-20T16:52:55			
Observation end time	172537741.364733	172537740.34001			
Observation end date	2003-06-20T23:09:01	2003-06-20T23:09:00			
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)	2006.08.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.40959996

### A.2 Comments

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