

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 59360 - L2 Version 002  
Chandra X-Ray Center

L2 Processing Date : Apr 2 2006

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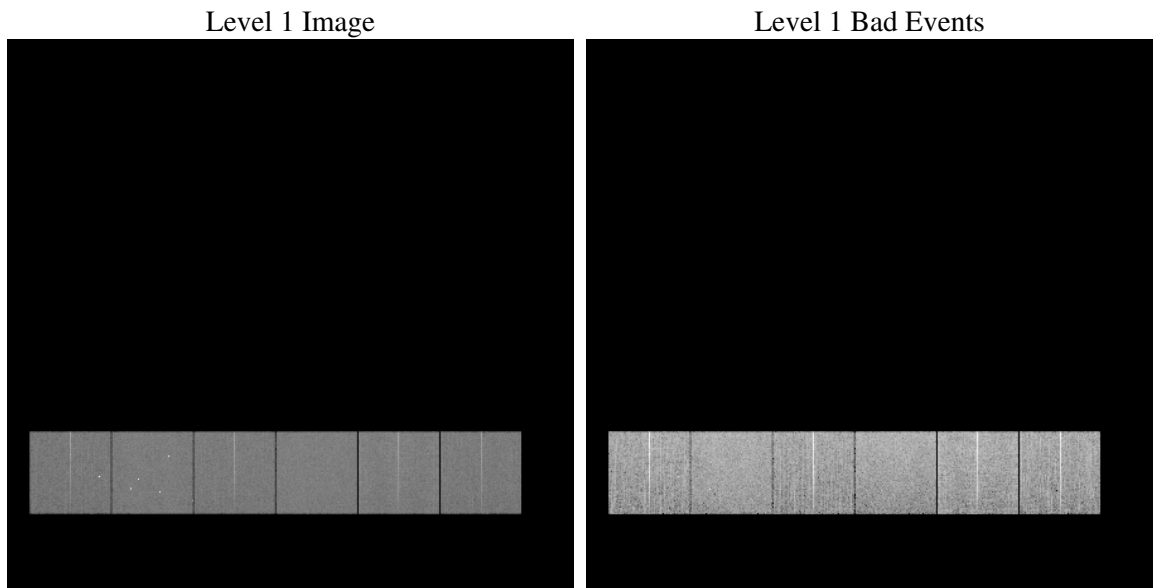
# 1 Front

seq_num	&#160
obs_id	59360
title	ACIS-456789 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	&#160
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	0.023819077910112
dec_nom	-0.015800390878959
roll_nom	293.49463783092
revision	2
ontime	7875.1999706626
livetime	7775.4794467579
ontime4	7346.9198923707
ontime5	7875.1999706626
ontime6	7719.6328560412
ontime7	7875.1999706626
ontime8	7875.1999706626
ontime9	7680.7411922216
l2events	970722

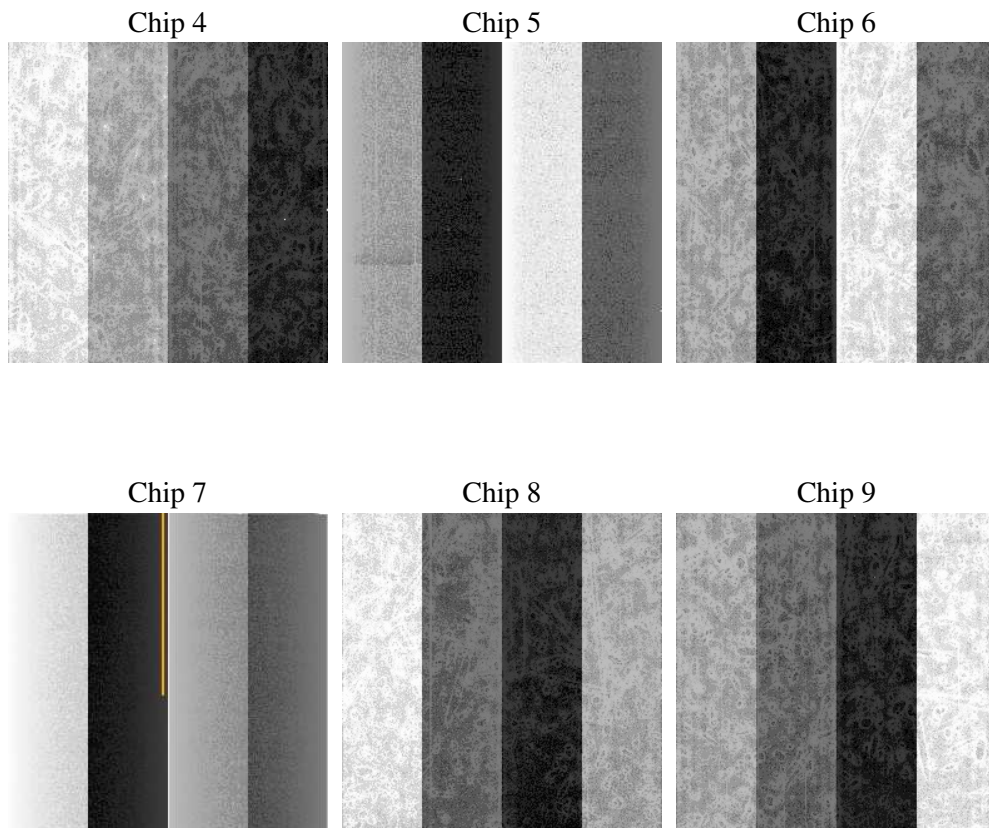
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-03T01:02:35
revision	2

sched_exp_time	0.0
ontime	7950.1967264116
ontime4	7408.9527269602
ontime5	7950.1967264116
ontime6	7791.3886314929
ontime7	7950.1967264116
ontime8	7950.1967264116
ontime9	7752.4969677031
l1events	1424316

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	217824	241369	233721	248434	254192	228776
rejected events	63047	64094	60617	61875	69198	62693
rejected %	28%	26%	25%	24%	27%	27%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	91111	23419	94401	30159	99518	91539
	41%	9%	40%	12%	39%	40%
grade 1 events	825	112	538	102	587	564
	0%	0%	0%	0%	0%	0%
grade 2 events	24199	79703	30331	57291	33497	28890
	11%	33%	12%	23%	13%	12%
grade 3 events	10516	5256	10907	12793	12528	10847
	4%	2%	4%	5%	4%	4%
grade 4 events	10435	5228	11003	12677	12408	10866
	4%	2%	4%	5%	4%	4%
grade 5 events	3596	6011	3652	6809	4752	4091
	1%	2%	1%	2%	1%	1%
grade 6 events	19760	65286	28114	75379	28856	25605
	9%	27%	12%	30%	11%	11%
grade 7 events	57382	56354	54775	53224	62046	56374
	26%	23%	23%	21%	24%	24%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	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	0.02381907791011196	Alternating exposures requested	N	N
Pointing Dec	0	-0.01580039087895884	Primary exposure time	3.2	3.2
Pointing Roll	0.0	293.4946378309202			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	247001555.176149	247001554.15114			
Observation start date	2005-10-29T19:32:35	2005-10-29T19:32:34			
Observation end time	247024158.477191	247024157.45218			
Observation end date	2005-10-30T01:49:18	2005-10-30T01:49:17			
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)	2006.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.87519997

### A.2 Comments