

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 59624 - L2 Version 002  
Chandra X-Ray Center

L2 Processing Date : Mar 10 2006

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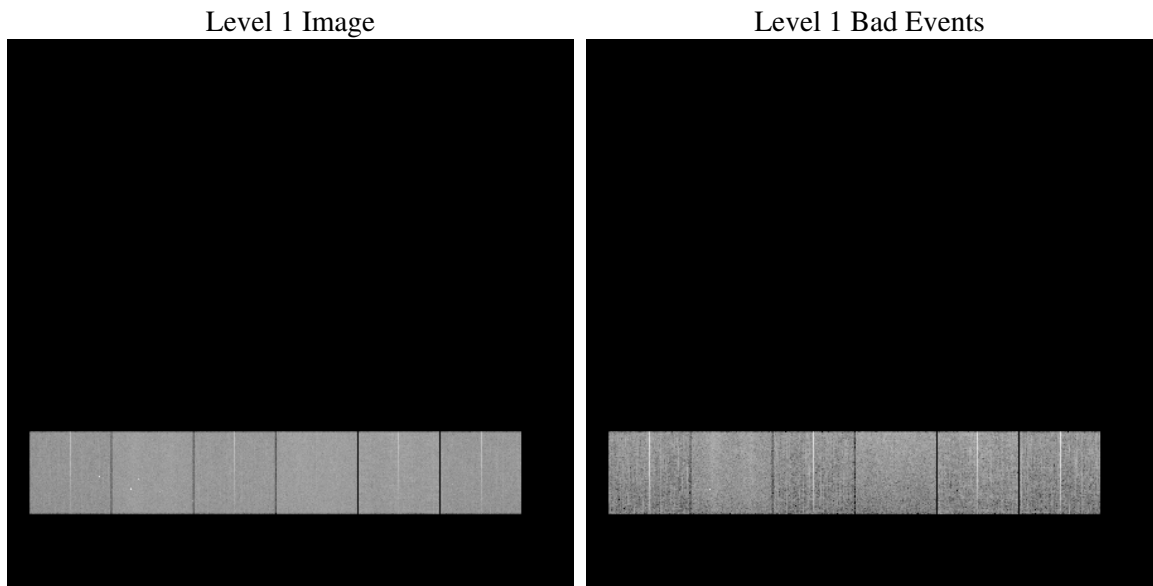
# 1 Front

seq_num	&#160
obs_id	59624
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	24.981323582288
dec_nom	12.019783277619
roll_nom	109.99526025124
revision	2
ontime	8276.7077245116
livetime	8171.9030676688
ontime4	6993.4110578299
ontime5	8276.7487645149
ontime6	7511.9236741066
ontime7	8276.7077245116
ontime8	7816.6559021473
ontime9	7372.4387636483
l2events	1044814

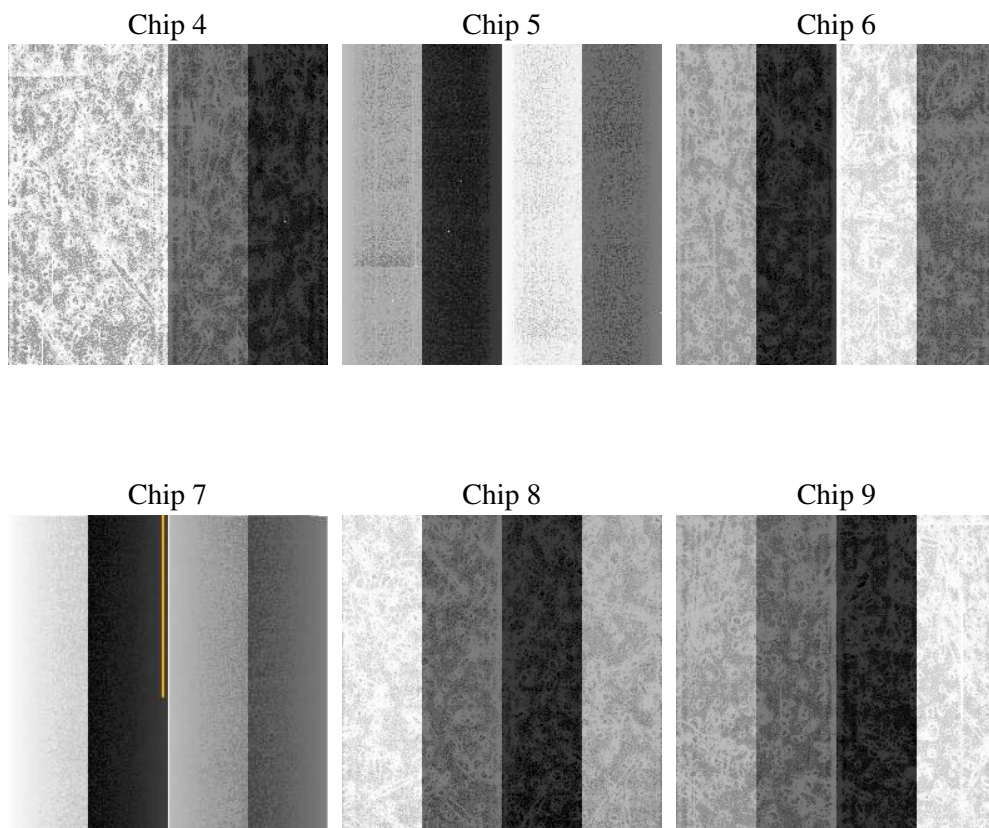
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-10T19:16:29
revision	2

sched_exp_time	0.0
ontime	8277.5094376206
ontime4	6994.089650929
ontime5	8277.5094376206
ontime6	7512.643307209
ontime7	8277.5094376206
ontime8	7817.2934552729
ontime9	7373.2815167606
l1events	1488518

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	216705	259881	241807	272412	264779	232934
rejected events	58973	68193	59638	64319	66564	59260
rejected %	27%	26%	24%	23%	25%	25%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	93561	17037	96664	30738	106868	96114
	43%	6%	39%	11%	40%	41%
grade 1 events	738	143	454	84	529	524
	0%	0%	0%	0%	0%	0%
grade 2 events	23027	88147	33969	65939	34798	29117
	10%	33%	14%	24%	13%	12%
grade 3 events	10427	5619	10982	13315	12906	11028
	4%	2%	4%	4%	4%	4%
grade 4 events	10496	5080	10740	12960	12596	11012
	4%	1%	4%	4%	4%	4%
grade 5 events	3164	6100	3470	6865	4481	3687
	1%	2%	1%	2%	1%	1%
grade 6 events	20221	75805	29814	85141	31047	26403
	9%	29%	12%	31%	11%	11%
grade 7 events	55071	61950	55714	57370	61554	55049
	25%	23%	23%	21%	23%	23%

## 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	24.98132358228802	Alternating exposures requested	N	N
Pointing Dec	0	12.01978327761933	Primary exposure time	3.2	3.2
Pointing Roll	0.0	109.9952602512356			
SIM focus pos (mm)	-0.684267	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-190.132523	250.4635187648994			
SIM translation stage offset (mm)	0	-0.007540371344731511			
Observation start time	234662869.060191	234662868.03519			
Observation start date	2005-06-09T00:07:49	2005-06-09T00:07:48			
Observation end time	234686148.861254	234686147.83625			
Observation end date	2005-06-09T06:35:49	2005-06-09T06:35:47			
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)	2006.03.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.27670772

## A.2 Comments

ACIS focal plane temp is about the calibration limits for the entire observation.