

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 61344 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Aug 29 2006

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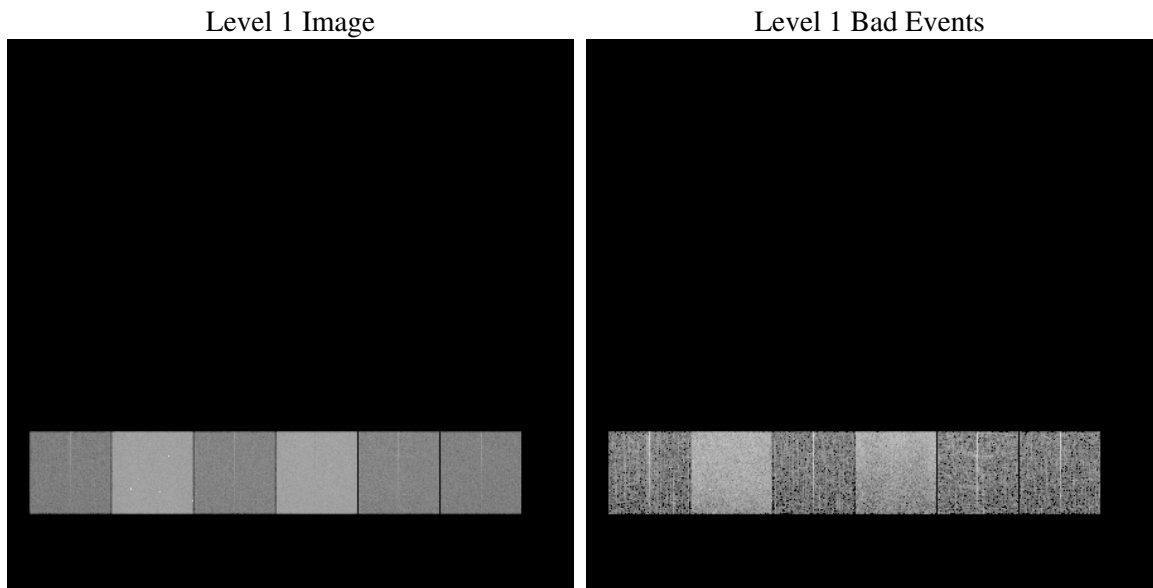
# 1 Front

seq_num	&#160
obs_id	61344
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	177.99708427692
dec_nom	-5.9715500744085
roll_nom	62.881852717895
revision	2
ontime	6340.7041182667
livetime	6260.4143048076
ontime4	2412.7476295829
ontime5	6784.7564453632
ontime6	2610.4097897857
ontime7	6340.7041182667
ontime8	2685.0357397795
ontime9	2500.0913499296
l2events	1189823

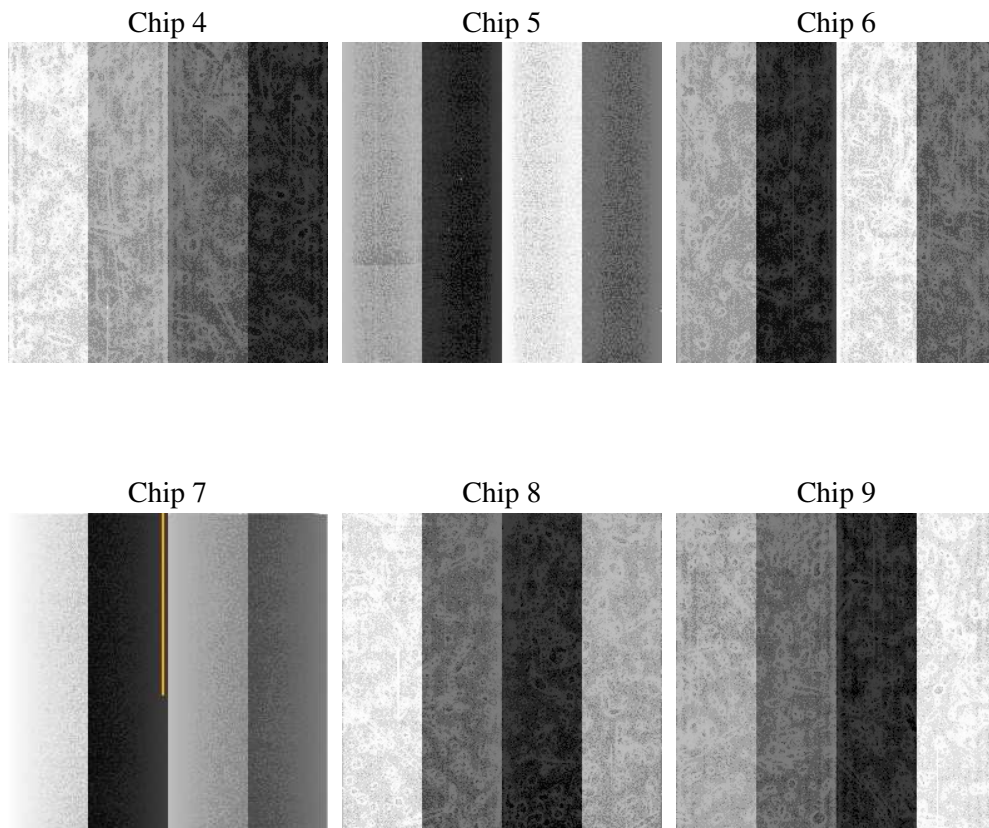
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-08-29T21:29:38
revision	2

sched_exp_time	0.0
ontime	6342.6518310755
ontime4	2414.5722223967
ontime5	6786.6631181687
ontime6	2612.2754226029
ontime7	6342.6518310755
ontime8	2686.81929259
ontime9	2502.0801027417
l1events	1422422

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	148614	382319	168986	390978	174905	156620
rejected events	20731	55345	19353	43019	21649	18802
rejected %	13%	14%	11%	11%	12%	12%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	72392	42588	81912	67454	84569	75843
	48%	11%	48%	17%	48%	48%
grade 1 events	371	134	367	151	370	392
	0%	0%	0%	0%	0%	0%
grade 2 events	22573	155044	25834	102772	27215	24367
	15%	40%	15%	26%	15%	15%
grade 3 events	7894	11439	9336	27131	9579	8489
	5%	2%	5%	6%	5%	5%
grade 4 events	7887	11280	9268	26824	9651	8689
	5%	2%	5%	6%	5%	5%
grade 5 events	1261	6459	1499	6125	1583	1405
	0%	1%	0%	1%	0%	0%
grade 6 events	17289	106775	23458	123967	22410	20612
	11%	27%	13%	31%	12%	13%
grade 7 events	18947	48600	17312	36554	19528	16823
	12%	12%	10%	9%	11%	10%

## 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	177.9970842769157	Alternating exposures requested	N	N
Pointing Dec	0	-5.971550074408457	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	62.88185271789543			
SIM focus pos (mm)	-0.684267	-1.428180813131781			
SIM defocus (mm)	0	0.1051558262725154			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	127928179.211	127928178.44261			
Observation start date	2002-01-20T15:36:19	2002-01-20T15:36:18			
Observation end time	127939261.512	127939260.74306			
Observation end date	2002-01-20T18:41:02	2002-01-20T18:41:00			
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)	2006.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.34070411

### A.2 Comments