

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 60953 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Oct 9 2006

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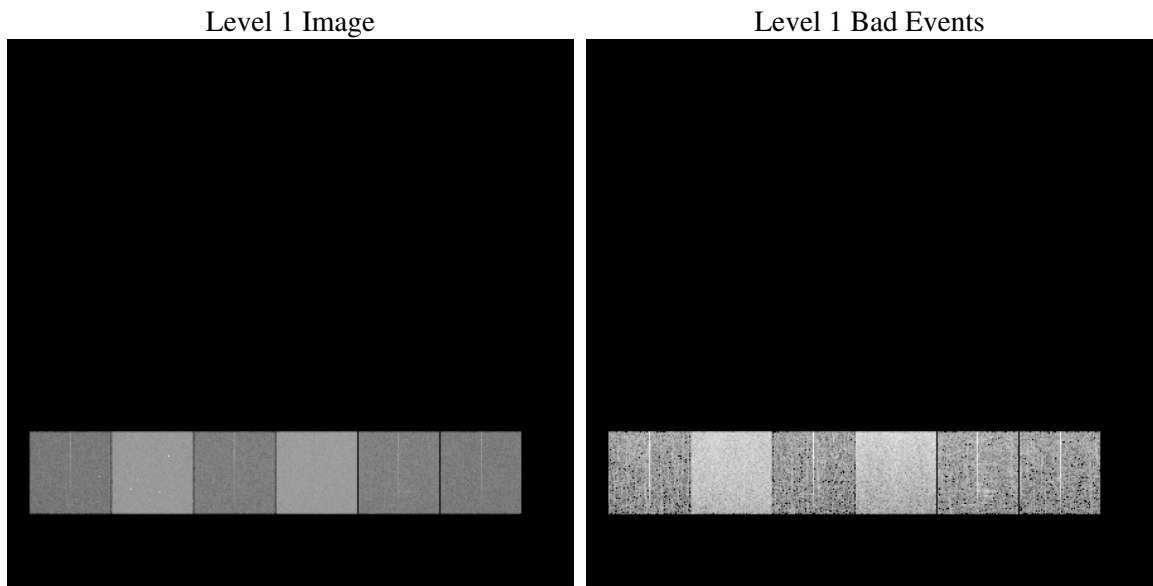
# 1 Front

seq_num	&#160
obs_id	60953
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	56.324416174989
dec_nom	-9.5845316328724
roll_nom	359.84642038616
revision	2
ontime	8403.1999686956
livetime	8296.7935908925
ontime4	3162.5264680982
ontime5	8403.1999686956
ontime6	3493.568150878
ontime7	8403.1999686956
ontime8	3607.0855449736
ontime9	3389.7323586047
l2events	1266023

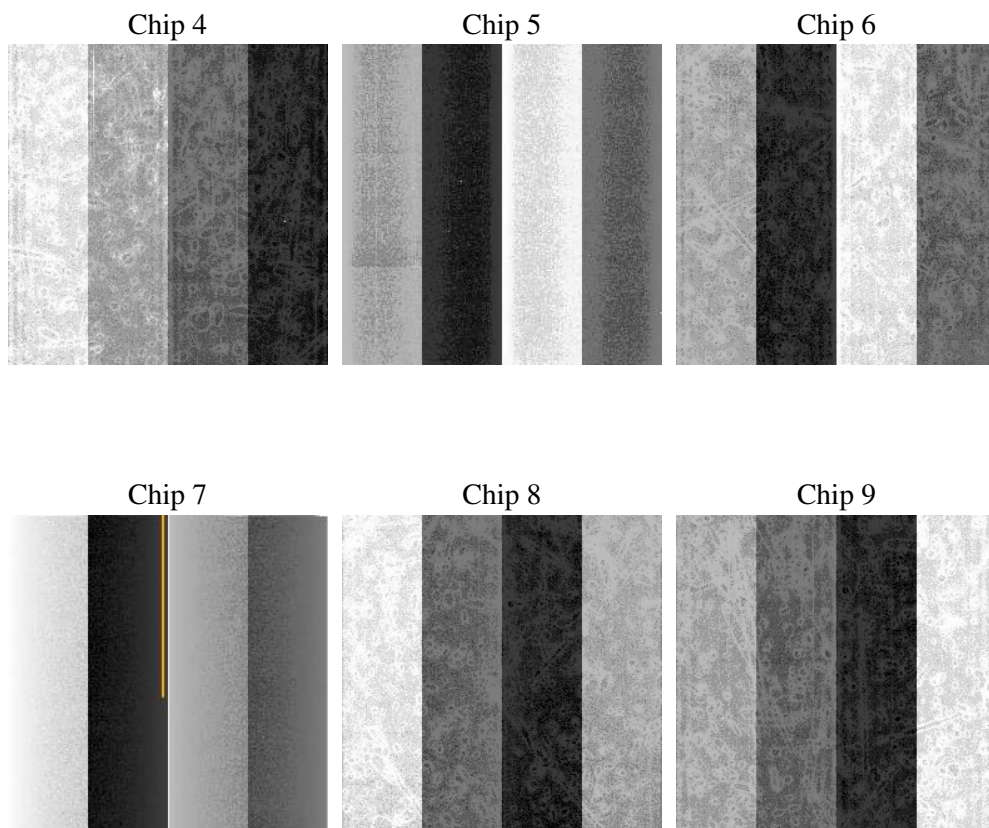
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-10-09T20:46:03
revision	2

sched_exp_time	0.0
ontime	8403.9241096675
ontime4	3163.2506090701
ontime5	8403.9241096675
ontime6	3493.8349948525
ontime7	8403.9241096675
ontime8	3607.2703089714
ontime9	3390.1223225892
l1events	1536492

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	159550	393118	185481	430632	194412	173299
rejected events	22931	62834	22494	55832	25868	22316
rejected %	14%	15%	12%	12%	13%	12%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	78998	38658	89063	67842	92966	83695
	49%	9%	48%	15%	47%	48%
grade 1 events	522	114	404	168	421	409
	0%	0%	0%	0%	0%	0%
grade 2 events	22155	159588	27924	113012	29544	25956
	13%	40%	15%	26%	15%	14%
grade 3 events	9181	10621	10075	27862	10777	9530
	5%	2%	5%	6%	5%	5%
grade 4 events	8989	10454	10119	27641	10778	9614
	5%	2%	5%	6%	5%	5%
grade 5 events	1540	6983	1702	7389	1963	1801
	0%	1%	0%	1%	1%	1%
grade 6 events	17296	110963	25806	138443	24479	22188
	10%	28%	13%	32%	12%	12%
grade 7 events	20869	55737	20388	48275	23484	20106
	13%	14%	10%	11%	12%	11%

## 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	56.3244161749891	Alternating exposures requested	N	N
Pointing Dec	0	-9.584531632872359	Primary exposure time	3.2	3.2
Pointing Roll	0.0	359.8464203861614			
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	154238733.344818	154238732.32011			
Observation start date	2002-11-21T04:05:33	2002-11-21T04:05:32			
Observation end time	154260610.945727	154260609.92103			
Observation end date	2002-11-21T10:10:11	2002-11-21T10:10:09			
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)	2006.10.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.40319996

### A.2 Comments