

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 59332 - L2 Version 002  
Chandra X-Ray Center

L2 Processing Date : Apr 5 2006

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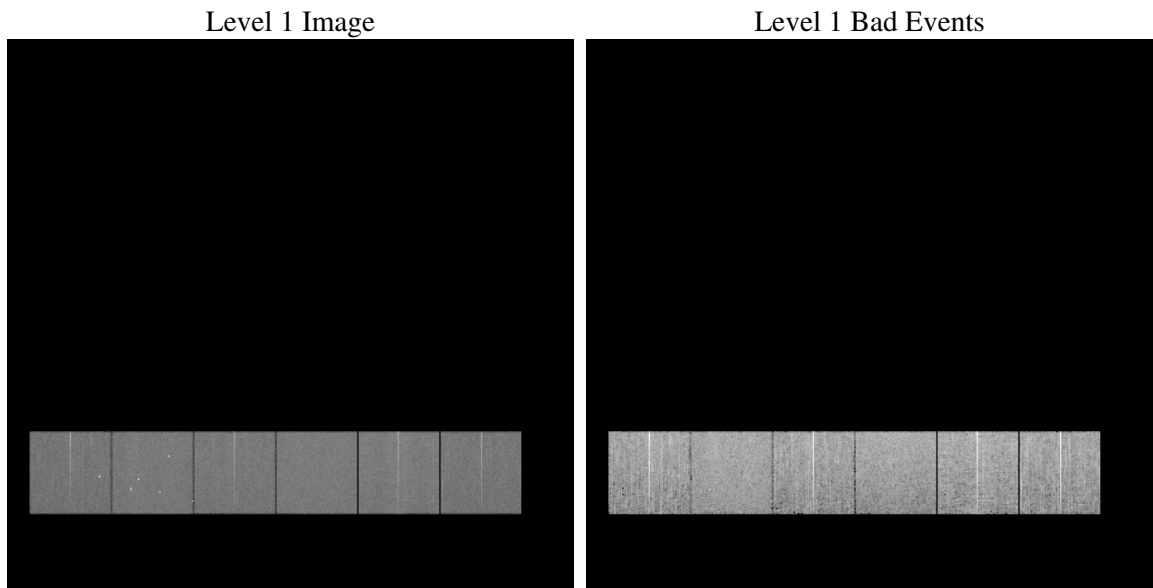
# 1 Front

seq_num	&#160
obs_id	59332
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	31.183636934899
dec_nom	42.27429336664
roll_nom	212.77329662843
revision	2
ontime	7795.0906869471
livetime	7696.3845550289
ontime4	7147.0159777999
ontime5	7795.1317269504
ontime6	7623.4004802704
ontime7	7795.0906869471
ontime8	7795.1999709606
ontime9	7363.9982969165
l2events	943525

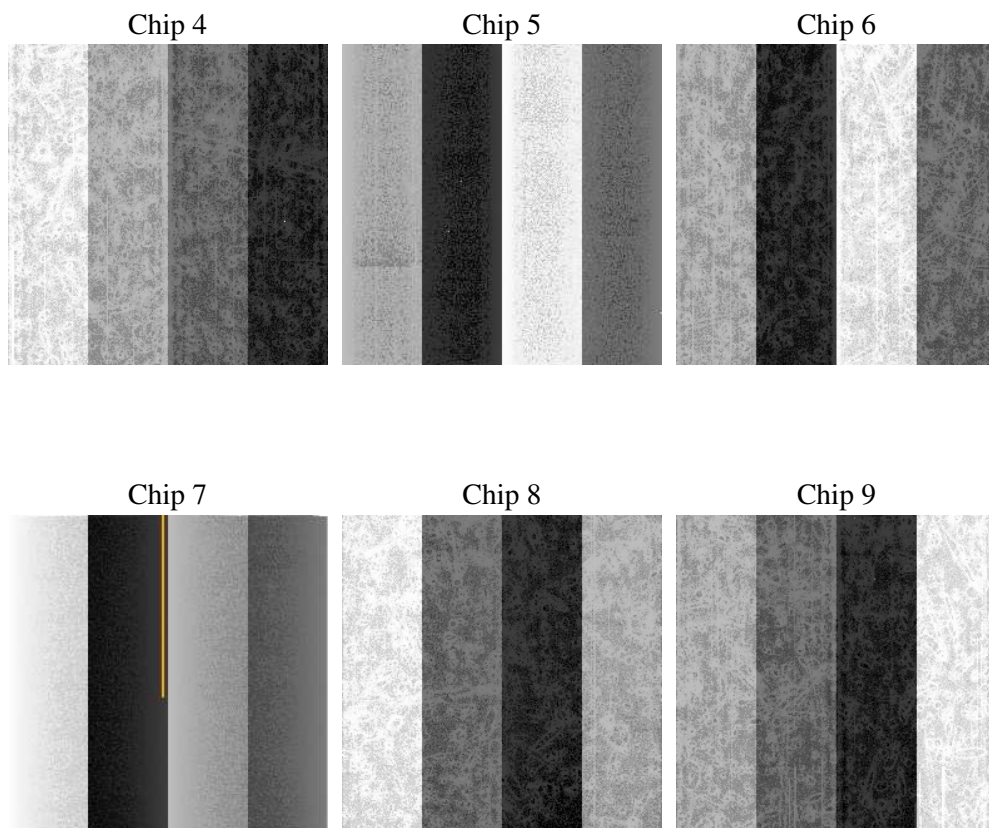
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-05T16:17:01
revision	2

sched_exp_time	0.0
ontime	7797.8789098561
ontime4	7149.681080699
ontime5	7797.8789098561
ontime6	7626.1066231728
ontime7	7797.8789098561
ontime8	7797.8789098561
ontime9	7366.8275598288
l1events	1398314

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	212271	238732	231765	243914	250343	221289
rejected events	63820	63842	62724	61008	69336	64073
rejected %	30%	26%	27%	25%	27%	28%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	87554	21343	91420	28768	97366	86822
	41%	8%	39%	11%	38%	39%
grade 1 events	756	246	473	91	522	567
	0%	0%	0%	0%	0%	0%
grade 2 events	22436	78016	29859	56565	31700	26646
	10%	32%	12%	23%	12%	12%
grade 3 events	9988	4859	10274	12418	11866	9922
	4%	2%	4%	5%	4%	4%
grade 4 events	9793	4735	10364	12013	11870	10057
	4%	1%	4%	4%	4%	4%
grade 5 events	3391	5585	3672	6518	4613	3907
	1%	2%	1%	2%	1%	1%
grade 6 events	18762	66004	27175	73240	28263	23842
	8%	27%	11%	30%	11%	10%
grade 7 events	59591	57944	58528	54301	64143	59526
	28%	24%	25%	22%	25%	26%

## 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	31.18363693489871	Alternating exposures requested	N	N
Pointing Dec	0	42.27429336663982	Primary exposure time	3.2	3.2
Pointing Roll	0.0	212.7732966284337			
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	248098723.426769	248098722.40176			
Observation start date	2005-11-11T12:18:43	2005-11-11T12:18:42			
Observation end time	248142273.62878	248142272.60377			
Observation end date	2005-11-12T00:24:34	2005-11-12T00:24:32			
Read mode	TIMED	TIMED			

## 2.3 Aspect



## **2.4 Star Slots**

## **2.5 FID Slots**



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.79509068

### A.2 Comments

Focal plane temperature is elevated throughout observation.