

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 60733 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Aug 12 2006

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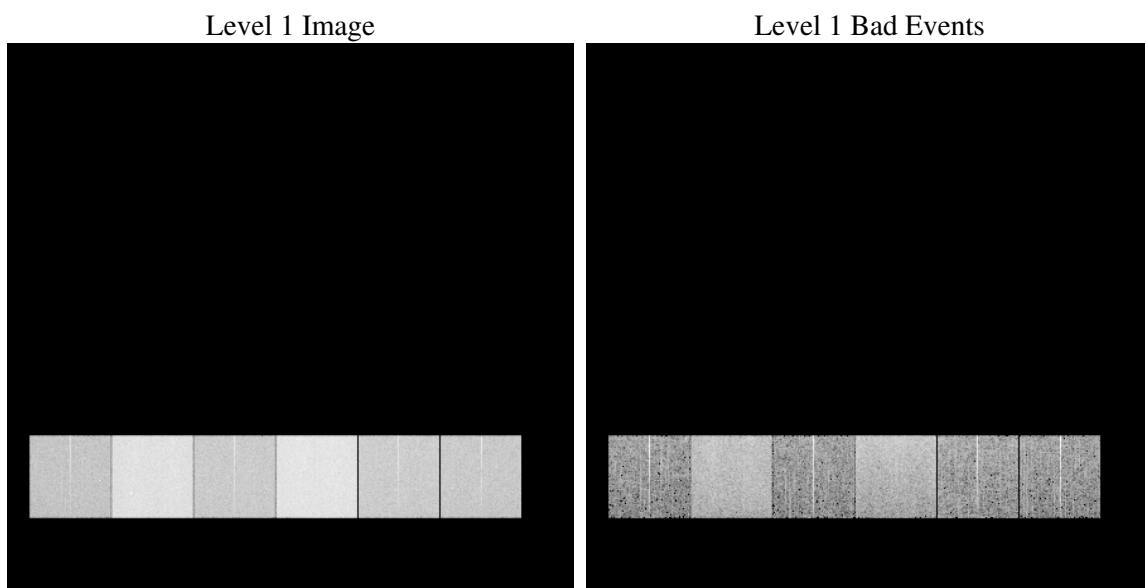
# 1 Front

seq_num	&#160
obs_id	60733
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	155.5116425396
dec_nom	-31.726841549439
roll_nom	257.34275392276
revision	2
ontime	8425.5999686122
livetime	8318.9099485224
ontime4	3854.8007223308
ontime5	8425.5999686122
ontime6	4298.7778681517
ontime7	8425.5999686122
ontime8	4338.7317332625
ontime9	4144.272361964
l2events	1230252

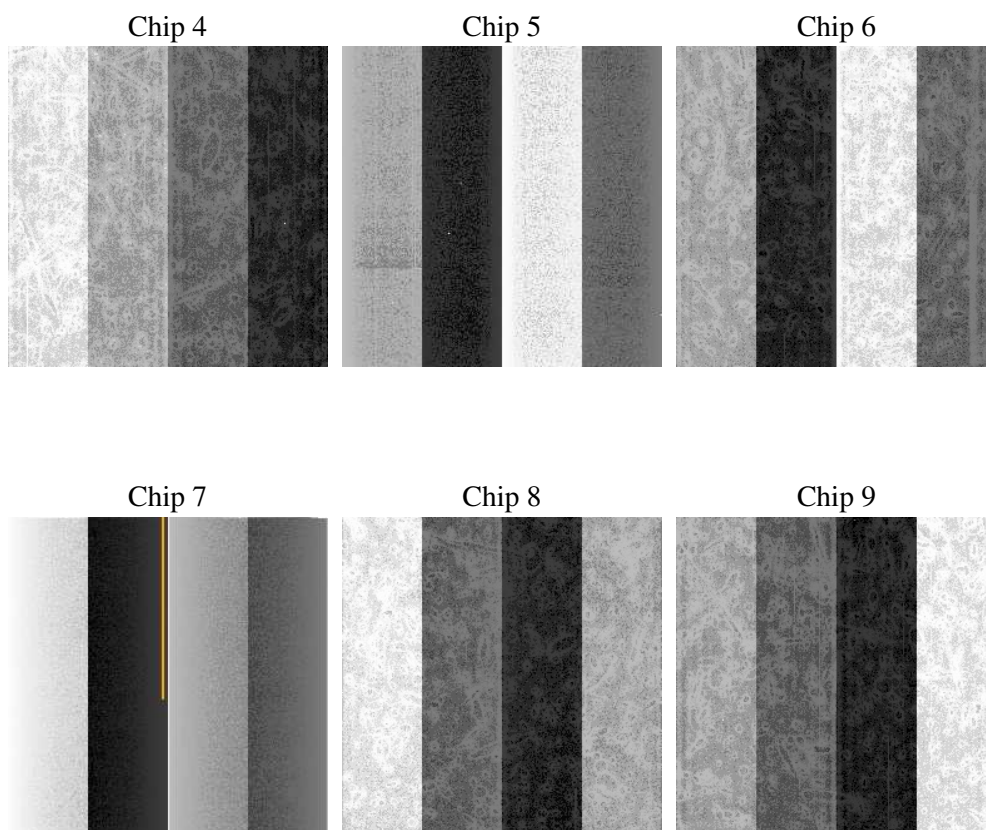
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-08-12T11:38:24
revision	2

sched_exp_time	0.0
ontime	8462.2549985349
ontime4	3866.5490936637
ontime5	8462.2549985349
ontime6	4313.8082696795
ontime7	8462.2549985349
ontime8	4355.9408320487
ontime9	4164.722550571
l1events	1538598

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	173668	360210	204837	393563	213232	193088
rejected events	29078	65702	29997	59819	34463	30740
rejected %	16%	18%	14%	15%	16%	15%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	85083	31778	96022	57985	99171	90714
	48%	8%	46%	14%	46%	46%
grade 1 events	572	112	435	148	542	475
	0%	0%	0%	0%	0%	0%
grade 2 events	22145	142124	30480	102885	30891	27783
	12%	39%	14%	26%	14%	14%
grade 3 events	9743	9201	10658	24218	11510	10276
	5%	2%	5%	6%	5%	5%
grade 4 events	9557	9029	10787	23558	11401	10241
	5%	2%	5%	5%	5%	5%
grade 5 events	1848	6543	2138	7336	2383	2134
	1%	1%	1%	1%	1%	1%
grade 6 events	18555	103745	27570	126715	26592	24214
	10%	28%	13%	32%	12%	12%
grade 7 events	26165	57678	26747	50718	30742	27251
	15%	16%	13%	12%	14%	14%

## 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	155.5116425396005	Alternating exposures requested	N	N
Pointing Dec	0	-31.7268415494393	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	257.3427539227589			
SIM focus pos (mm)	-0.684267	-1.038866356238299			
SIM defocus (mm)	0	0.4944702831659975			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	169773560.197402	169773559.1727			
Observation start date	2003-05-19T23:19:20	2003-05-19T23:19:19			
Observation end time	169796917.898392	169796916.87369			
Observation end date	2003-05-20T05:48:38	2003-05-20T05:48:36			
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)	2006.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.42559996

## A.2 Comments

The ACIS focal plane temperature is above calibration limits for the entire observation.