

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 59954 - L2 Version 002  
Chandra X-Ray Center

L2 Processing Date : Apr 10 2006

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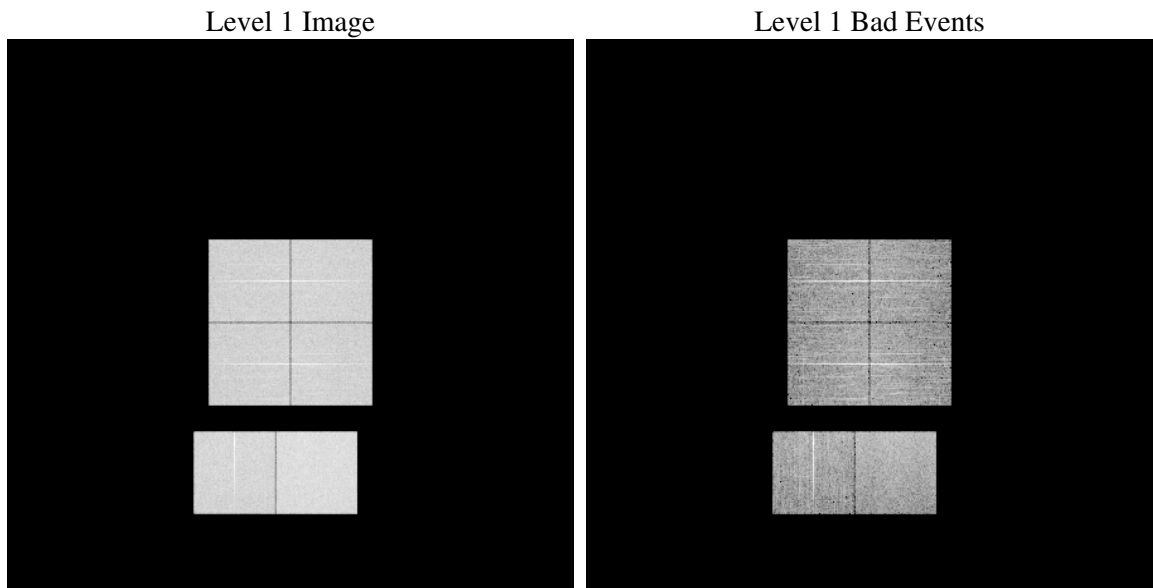
# 1 Front

seq_num	&#160
obs_id	59954
title	ACIS-012367 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	&#160
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	79.260568467909
dec_nom	48.600164779395
roll_nom	145.47778580557
revision	2
ontime	7800.0917218924
livetime	7701.3222638584
ontime0	6390.3111650348
ontime1	6601.0152347982
ontime2	6173.2487652302
ontime3	6296.2415062189
ontime6	6746.9410178363
ontime7	7800.0917218924
l2events	1055418

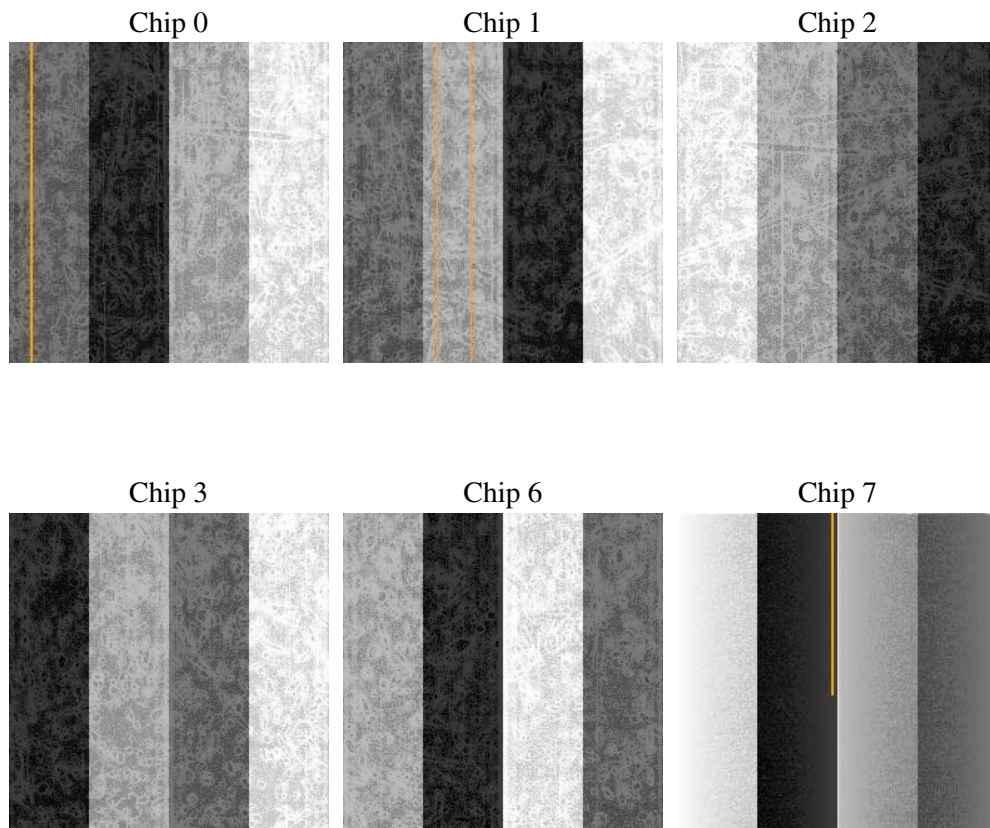
## 2 OBI

### 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	2006-04-11T01:52:49
revision	2

sched_exp_time	0.0
ontime	7801.0941402912
ontime0	6391.2725434303
ontime1	6601.9355731905
ontime2	6174.1280636191
ontime3	6297.2849646211
ontime6	6747.7792762518
ontime7	7801.0941402912
l1events	1411128

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	219067	225520	216141	221956	242398	286046
rejected events	47817	46764	48236	49933	51301	58237
rejected %	21%	20%	22%	22%	21%	20%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	94351	97803	93924	96389	103469	39995
	43%	43%	43%	43%	42%	13%
grade 1 events	540	539	633	677	568	117
	0%	0%	0%	0%	0%	0%
grade 2 events	29949	31946	28624	29541	33478	68113
	13%	14%	13%	13%	13%	23%
grade 3 events	11202	11545	10978	11382	11937	16690
	5%	5%	5%	5%	4%	5%
grade 4 events	11032	11575	11010	11124	11846	16613
	5%	5%	5%	5%	4%	5%
grade 5 events	2948	3142	2772	3054	3399	7063
	1%	1%	1%	1%	1%	2%
grade 6 events	24716	25887	23369	23587	30367	86398
	11%	11%	10%	10%	12%	30%
grade 7 events	44329	43083	44831	46202	47334	51057
	20%	19%	20%	20%	19%	17%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	79.26056846790861	Alternating exposures requested	N	N
Pointing Dec	0	48.60016477939506	Primary exposure time	3.2	3.2
Pointing Roll	0.0	145.4777858055704			
SIM focus pos (mm)	-0.782348	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	217713521.592468	217713520.56748			
Observation start date	2004-11-24T19:58:42	2004-11-24T19:58:40			
Observation end time	217754511.344307	217754510.31932			
Observation end date	2004-11-25T07:21:51	2004-11-25T07:21:50			
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)	2006.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.80009172

### A.2 Comments