

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 59940 - L2 Version 002  
Chandra X-Ray Center

L2 Processing Date : Apr 8 2006

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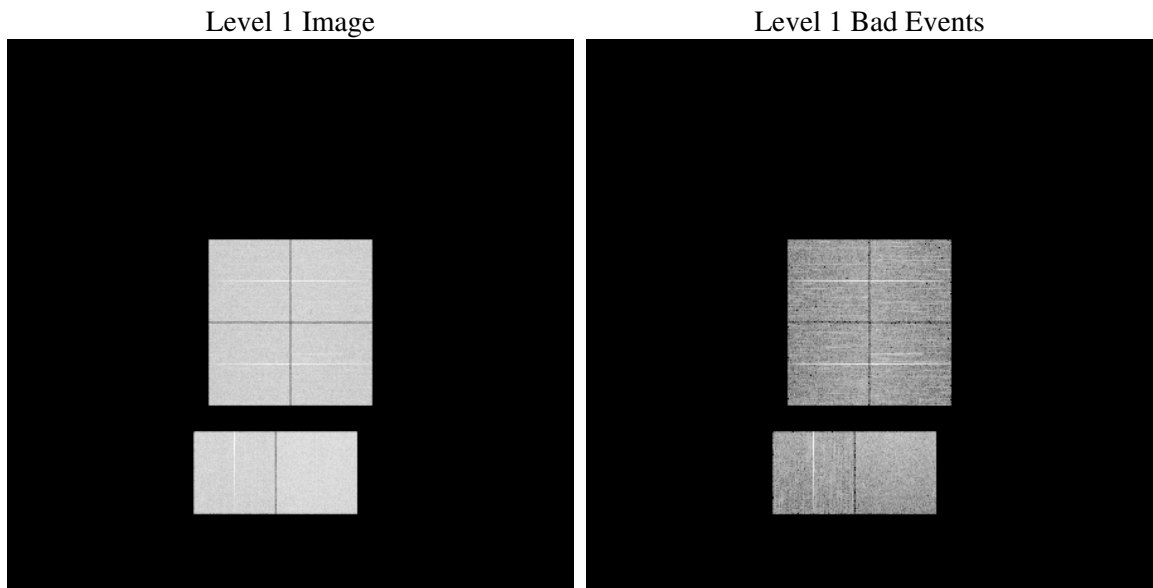
# 1 Front

seq_num	&#160
obs_id	59940
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	85.011905361939
dec_nom	-4.9723890756206
roll_nom	28.25309100444
revision	2
ontime	8275.1999691725
livetime	8170.4144044356
ontime0	6865.3740215898
ontime1	7079.2783621848
ontime2	6638.5048442781
ontime3	6654.7099439204
ontime6	7254.2914068699
ontime7	8275.1999691725
l2events	1114614

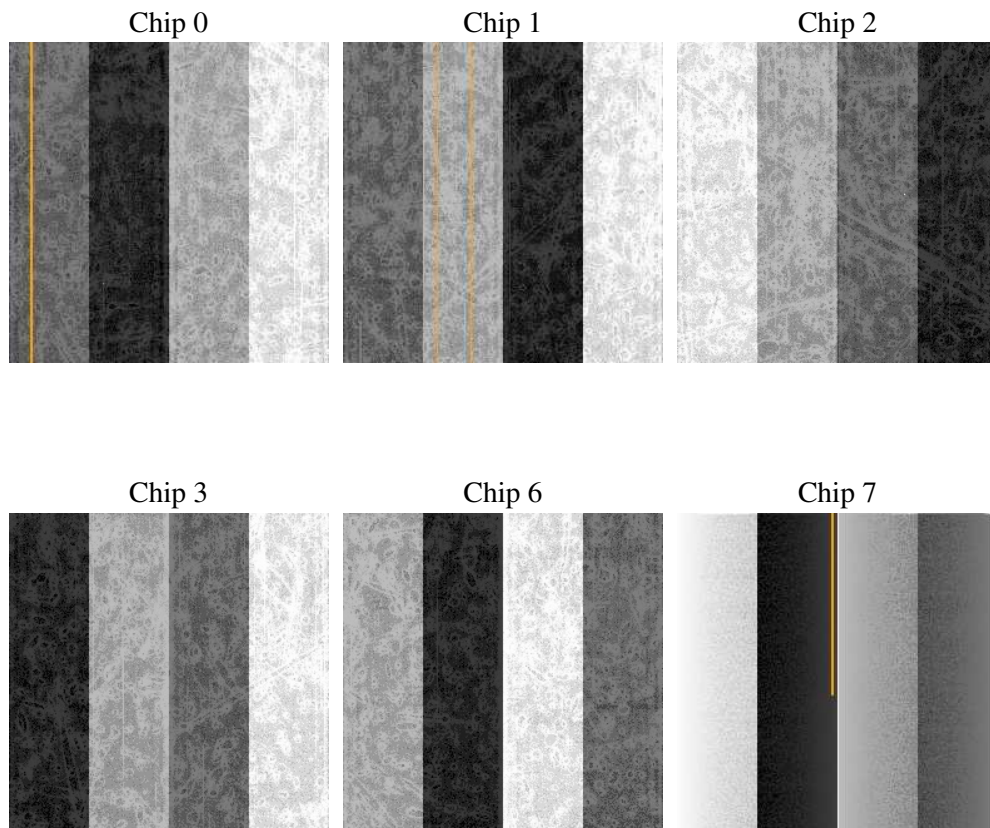
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-08T23:24:52
revision	2

sched_exp_time	0.0
ontime	8277.5366820395
ontime0	6867.7107344568
ontime1	7081.6150750518
ontime2	6640.8415571451
ontime3	6657.0466567874
ontime6	7256.6281197369
ontime7	8277.5366820395
l1events	1495672

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	232016	241232	230119	232286	259901	300118
rejected events	50040	52167	50229	52319	56371	63226
rejected %	21%	21%	21%	22%	21%	21%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	99840	103469	100852	100387	109887	39082
	43%	42%	43%	43%	42%	13%
grade 1 events	612	522	706	658	568	101
	0%	0%	0%	0%	0%	0%
grade 2 events	31999	33789	30155	31007	35256	72171
	13%	14%	13%	13%	13%	24%
grade 3 events	12011	12233	11790	11881	12755	16633
	5%	5%	5%	5%	4%	5%
grade 4 events	11679	12011	11678	11765	12772	16381
	5%	4%	5%	5%	4%	5%
grade 5 events	3157	3163	2824	3374	3670	7287
	1%	1%	1%	1%	1%	2%
grade 6 events	26447	27563	25415	24927	32860	92625
	11%	11%	11%	10%	12%	30%
grade 7 events	46271	48482	46699	48287	52133	55838
	19%	20%	20%	20%	20%	18%

## 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	85.01190536193947	Alternating exposures requested	N	N
Pointing Dec	0	-4.972389075620586	Primary exposure time	3.2	3.2
Pointing Roll	0.0	28.25309100444039			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	218437163.425015	218437162.40001			
Observation start date	2004-12-03T04:59:23	2004-12-03T04:59:22			
Observation end time	218461285.7761	218461284.7511			
Observation end date	2004-12-03T11:41:26	2004-12-03T11:41:24			
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)	2006.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.27519996

### A.2 Comments