

# V&V Reference Report

## L2 ASCDS Version : 7.6.11.10

Observation 62847 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Feb 5 2009

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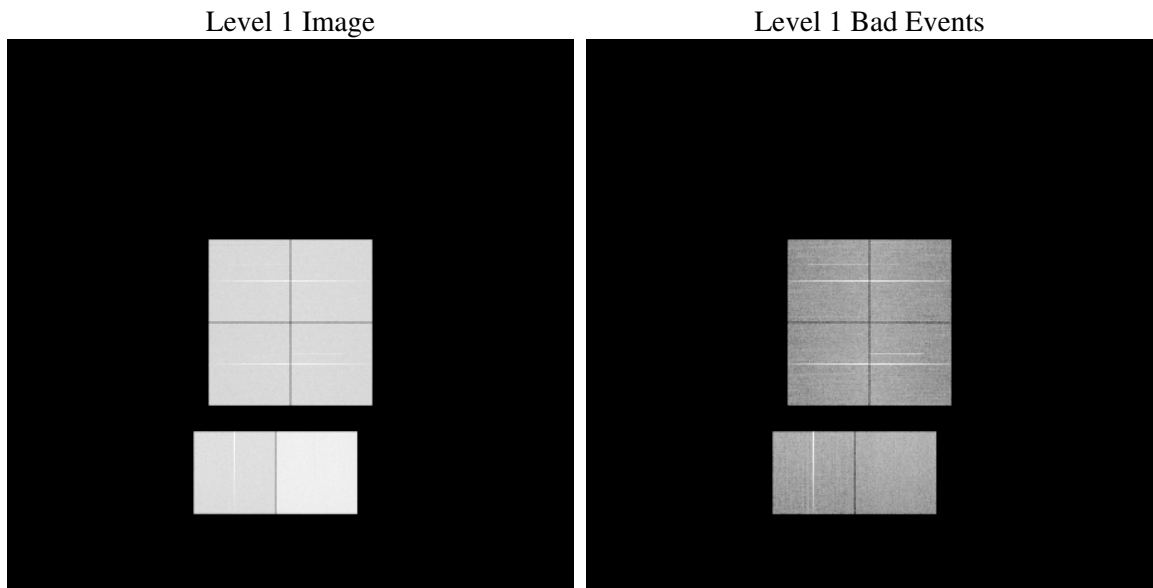
# 1 Front

seq_num	&#160
obs_id	62847
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	97.883108891848
dec_nom	-20.604192805482
roll_nom	209.87322107333
revision	3
ontime	50284.799812675
livetime	49648.063399575
ontime0	28471.269173533
ontime1	29236.1825881
ontime2	27414.791395485
ontime3	28373.959589452
ontime6	31111.260328501
ontime7	50284.799812675
l2events	7414996

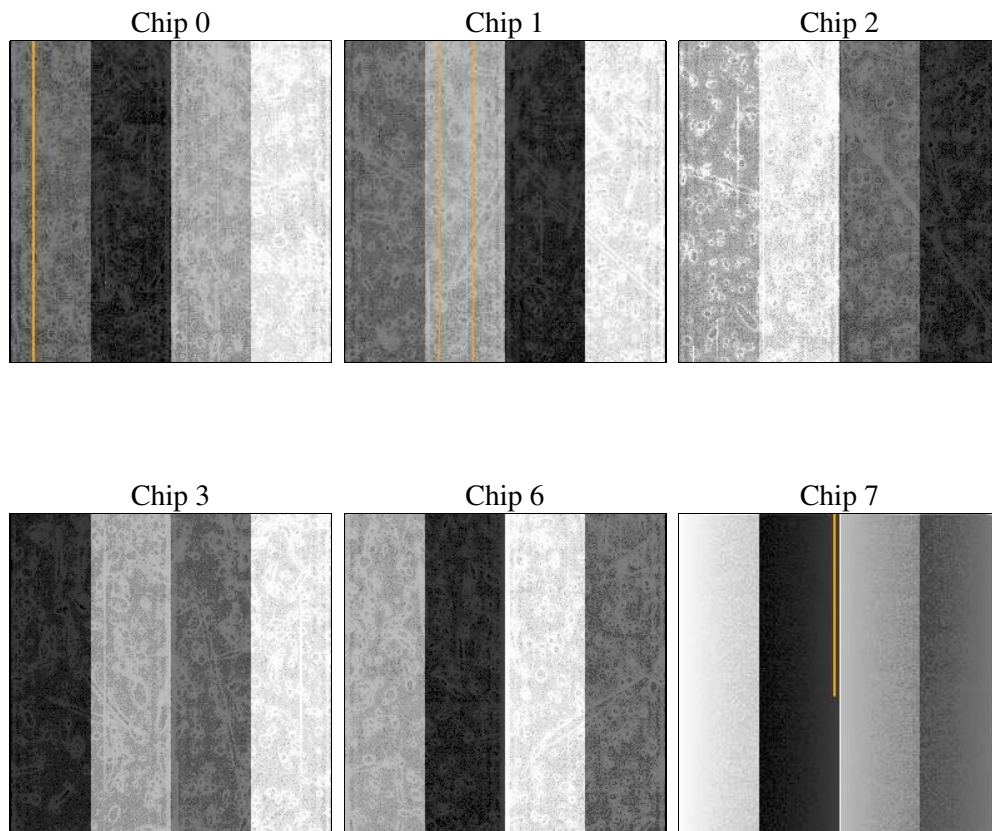
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.11.10
caldsver	3.5.1
date	2009-02-05T16:48:32
revision	3

sched_exp_time	0.0
ontime	50284.799812675
ontime0	28471.269173533
ontime1	29236.1825881
ontime2	27414.791395485
ontime3	28373.959589452
ontime6	31111.260328501
ontime7	50284.799812675
l1events	9028874

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	1296824	1335263	1276459	1321972	1491841	2306515
rejected events	195207	199179	202296	209012	226991	238752
rejected %	15%	14%	15%	15%	15%	10%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	608689	625596	602247	626879	688645	513989
	46%	46%	47%	47%	46%	22%
grade 1 events	3516	3223	3938	3879	3586	1444
	0%	0%	0%	0%	0%	0%
grade 2 events	191511	200964	181015	189941	217508	457802
	14%	15%	14%	14%	14%	19%
grade 3 events	71300	72296	70051	72491	78514	209466
	5%	5%	5%	5%	5%	9%
grade 4 events	71282	72432	70459	72302	78374	207873
	5%	5%	5%	5%	5%	9%
grade 5 events	11714	12128	11250	12456	13902	45694
	0%	0%	0%	0%	0%	1%
grade 6 events	160153	166542	151784	152967	203502	681223
	12%	12%	11%	11%	13%	29%
grade 7 events	178659	182082	185715	191057	207810	189024
	13%	13%	14%	14%	13%	8%

## 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	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
Pointing RA	97.8831088918477	97.8831088918477	Subarray requested	NONE	NONE
Pointing Dec	-20.60419280548223	-20.60419280548223	Alternating exposures requested	N	N
Pointing Roll	209.8732210733343	209.8732210733343	Primary exposure time	3.2	3.2
SIM focus pos (mm)	-0.782348	-0.782348			
SIM defocus (mm)	0.7509885631557434	0.7509885631557434			
SIM translation stage pos (mm)	0	0			
SIM translation stage offset (mm)	250.4559758189947	250.4559758189947			
Observation start time	170721226.0376	170721226.0376			
Observation start date	2003-05-30T22:33:46	2003-05-30T22:33:46			
Observation end time	170773263.362108	170773263.362108			
Observation end date	2003-05-31T13:01:03	2003-05-31T13:01:03			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2009.02.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.2847998

## A.2 Comments

This obsid was reprocessed to correct minor errors in parameters used in processing. Some of these parameters cannot be determined automatically for this observation and were derived from spacecraft telemetry.