

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 59600 - L2 Version 002  
Chandra X-Ray Center

L2 Processing Date : Mar 12 2006

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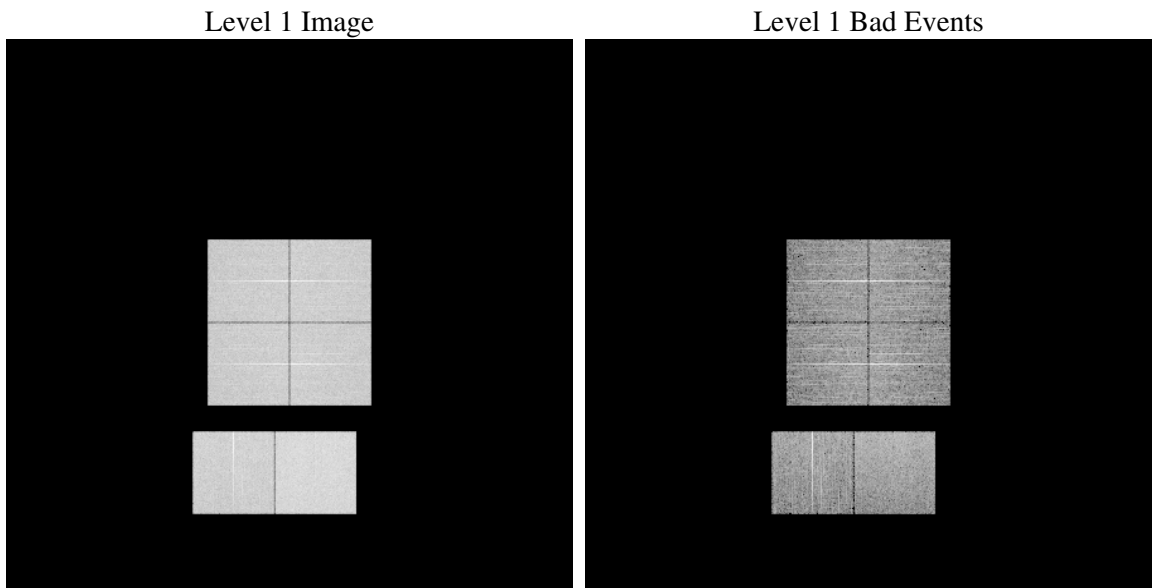
# 1 Front

seq_num	&#160
obs_id	59600
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	265.47316691007
dec_nom	2.4830467423584
roll_nom	195.78190035971
revision	2
ontime	7490.705032438
livetime	7395.8532149562
ontime0	6074.4424944818
ontime1	6197.6405448318
ontime2	5974.0545446873
ontime3	5986.8535690904
ontime6	6194.481406033
ontime7	7490.705032438
l2events	1000979

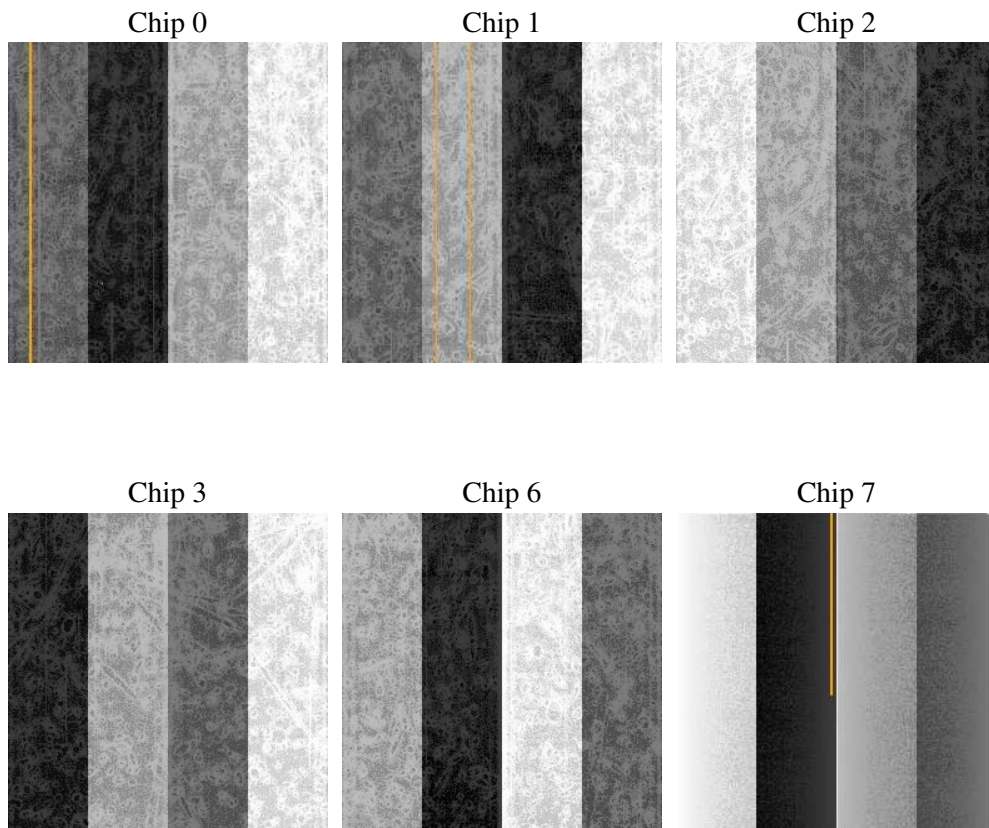
## 2 OBI

### 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	2006-03-12T05:37:54
revision	2

sched_exp_time	0.0
ontime	7493.1983220875
ontime0	6076.894744128
ontime1	6200.0517544746
ontime2	5976.4247143269
ontime3	5989.3878987432
ontime6	6196.8105356991
ontime7	7493.1983220875
l1events	1357449

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	209803	216546	211158	213932	227919	278091
rejected events	46179	48943	49309	49514	52428	59620
rejected %	22%	22%	23%	23%	23%	21%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	88760	89207	89630	90728	93143	36781
	42%	41%	42%	42%	40%	13%
grade 1 events	569	541	632	646	579	122
	0%	0%	0%	0%	0%	0%
grade 2 events	28385	30450	26948	27847	30205	67166
	13%	14%	12%	13%	13%	24%
grade 3 events	10335	10580	10587	10757	10905	14745
	4%	4%	5%	5%	4%	5%
grade 4 events	10622	10453	10438	10588	10627	14549
	5%	4%	4%	4%	4%	5%
grade 5 events	2830	2866	2755	2955	3183	6812
	1%	1%	1%	1%	1%	2%
grade 6 events	25592	26987	24322	24578	30691	85304
	12%	12%	11%	11%	13%	30%
grade 7 events	42710	45462	45846	45833	48586	52612
	20%	20%	21%	21%	21%	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	265.4731669100736	Alternating exposures requested	N	N
Pointing Dec	0	2.483046742358361	Primary exposure time	3.2	3.2
Pointing Roll	0.0	195.7819003597089			
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	235994169.870935	235994168.84596			
Observation start date	2005-06-24T09:56:10	2005-06-24T09:56:08			
Observation end time	236011283.271716	236011282.24674			
Observation end date	2005-06-24T14:41:23	2005-06-24T14:41:22			
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)	2006.03.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.49070503

### A.2 Comments