

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 59989 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Apr 13 2006

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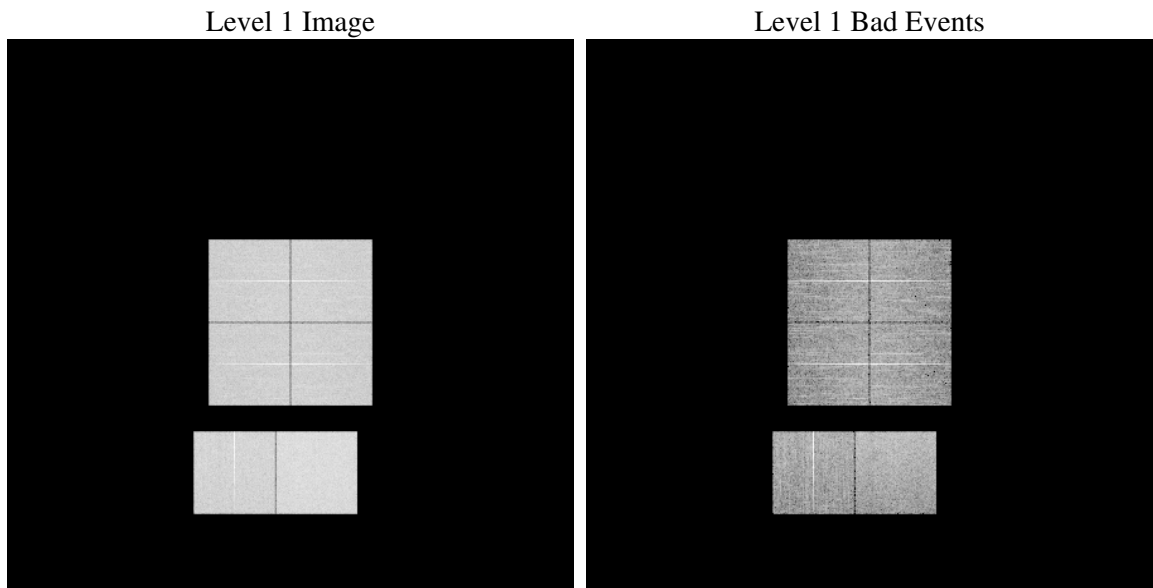
# 1 Front

seq_num	&#160
obs_id	59989
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	25.526337391257
dec_nom	8.988113254684
roll_nom	302.5206759034
revision	2
ontime	8220.7999693751
livetime	8116.7032501914
ontime0	6704.0247026384
ontime1	6791.5305814743
ontime2	6398.1325601041
ontime3	6447.9876406789
ontime6	7034.603643626
ontime7	8220.7999693751
l2events	1110459

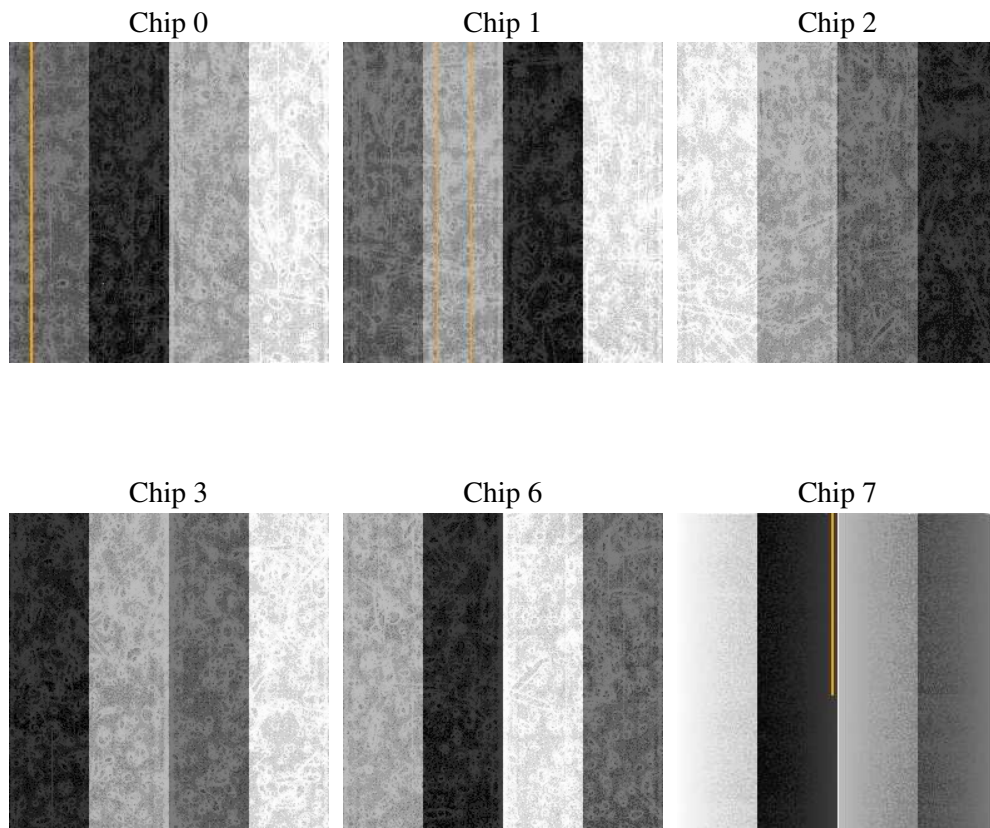
## 2 OBI

### 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	2006-04-13T18:47:35
revision	2

sched_exp_time	0.0
ontime	8284.0102611482
ontime0	6751.0300931334
ontime1	6845.017942369
ontime2	6439.8953607976
ontime3	6501.4749817252
ontime6	7084.849984467
ontime7	8284.0102611482
l1events	1497435

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	234161	239109	227109	232045	257980	307031
rejected events	50765	52767	50561	53813	56621	65973
rejected %	21%	22%	22%	23%	21%	21%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	101425	102632	99197	100603	109595	40262
	43%	42%	43%	43%	42%	13%
grade 1 events	657	585	696	632	630	135
	0%	0%	0%	0%	0%	0%
grade 2 events	32375	33435	30060	30714	35026	74025
	13%	13%	13%	13%	13%	24%
grade 3 events	11919	11981	11740	11702	12892	17167
	5%	5%	5%	5%	4%	5%
grade 4 events	12164	12032	11571	11792	12616	16471
	5%	5%	5%	5%	4%	5%
grade 5 events	3078	3095	2841	3202	3629	7584
	1%	1%	1%	1%	1%	2%
grade 6 events	26842	27766	25130	24918	32723	95011
	11%	11%	11%	10%	12%	30%
grade 7 events	45701	47583	45874	48482	50869	56376
	19%	19%	20%	20%	19%	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	25.52633739125738	Alternating exposures requested	N	N
Pointing Dec	0	8.988113254683975	Primary exposure time	3.2	3.2
Pointing Roll	0.0	302.5206759033964			
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	215241280.931588	215241279.9066			
Observation start date	2004-10-27T05:14:41	2004-10-27T05:14:39			
Observation end time	215263144.182567	215263143.15758			
Observation end date	2004-10-27T11:19:04	2004-10-27T11:19:03			
Read mode	TIMED	TIMED			

## 2.3 Aspect



## **2.4 Star Slots**

## **2.5 FID Slots**



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.22079996

### A.2 Comments