

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 59523 - L2 Version 002  
Chandra X-Ray Center

L2 Processing Date : Mar 21 2006

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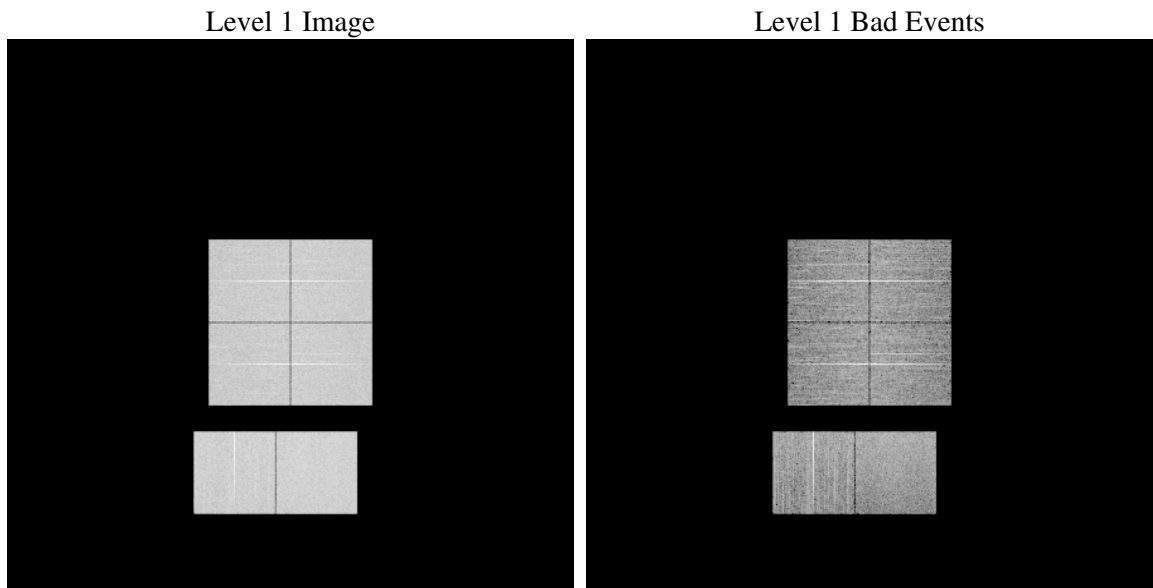
# 1 Front

seq_num	&#160
obs_id	59523
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	304.98124478727
dec_nom	9.4775886039749
roll_nom	192.48033931516
revision	2
ontime	8274.3502612114
livetime	8169.5754559884
ontime0	7830.3774902225
ontime1	8044.3229502439
ontime2	7506.3618005812
ontime3	7791.4034770429
ontime6	8093.0194559097
ontime7	8274.3502612114
l2events	1073241

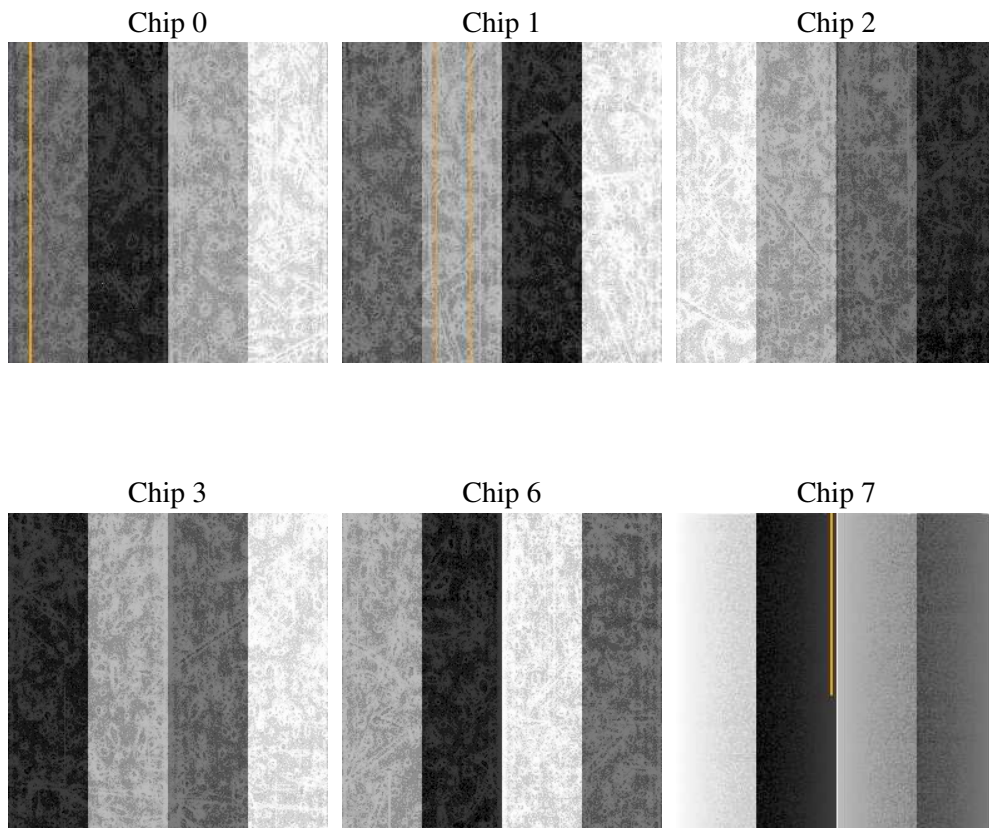
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-21T15:35:10
revision	2

sched_exp_time	0.0
ontime	8277.5339088738
ontime0	7833.5200978816
ontime1	8047.4245178998
ontime2	7509.4223282337
ontime3	7794.6281647086
ontime6	8096.0389435887
ontime7	8277.5339088738
l1events	1486117

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	237220	245170	232182	241285	260889	269371
rejected events	56147	57124	57321	58366	65303	63332
rejected %	23%	23%	24%	24%	25%	23%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	99433	101650	97795	103032	104853	31906
	41%	41%	42%	42%	40%	11%
grade 1 events	546	493	656	660	539	108
	0%	0%	0%	0%	0%	0%
grade 2 events	31437	34131	29036	30617	34599	64392
	13%	13%	12%	12%	13%	23%
grade 3 events	11691	11835	11321	11867	11958	13554
	4%	4%	4%	4%	4%	5%
grade 4 events	11616	11869	11404	11842	11833	13217
	4%	4%	4%	4%	4%	4%
grade 5 events	3416	3495	3156	3531	3628	7003
	1%	1%	1%	1%	1%	2%
grade 6 events	26961	28644	25387	25654	32427	83057
	11%	11%	10%	10%	12%	30%
grade 7 events	52120	53053	53427	54082	61052	56134
	21%	21%	23%	22%	23%	20%

## 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	304.9812447872732	Alternating exposures requested	N	N
Pointing Dec	0	9.477588603974876	Primary exposure time	3.2	3.2
Pointing Roll	0.0	192.4803393151619			
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	239232415.619104	239232414.59411			
Observation start date	2005-07-31T21:26:56	2005-07-31T21:26:54			
Observation end time	239256004.970183	239256003.94519			
Observation end date	2005-08-01T04:00:05	2005-08-01T04:00:03			
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)	2006.03.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.27435026

## A.2 Comments

The ACIS focal plane temperature was above calibration limits for the entire observation.