

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 60874 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Sep 19 2006

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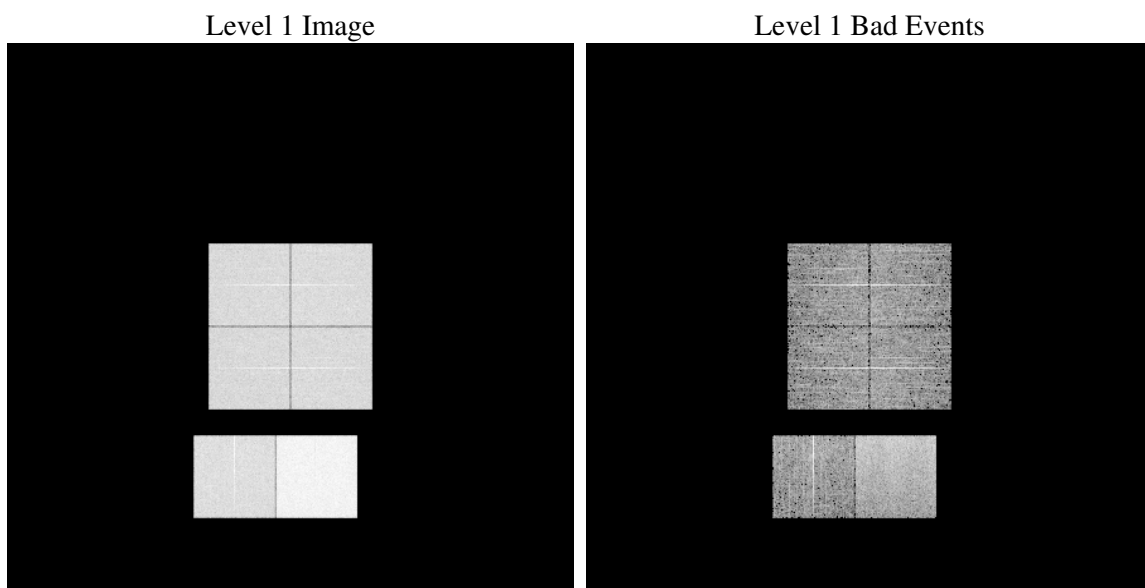
# 1 Front

seq_num	&#160
obs_id	60874
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	174.99728255257
dec_nom	-3.9715378585086
roll_nom	62.528877386112
revision	2
ontime	7791.9999709725
livetime	7693.332975561
ontime0	4130.2021990418
ontime1	4263.1246248484
ontime2	3964.9937087893
ontime3	4078.2644845247
ontime6	4408.4142902195
ontime7	7791.9999709725
l2events	1177472

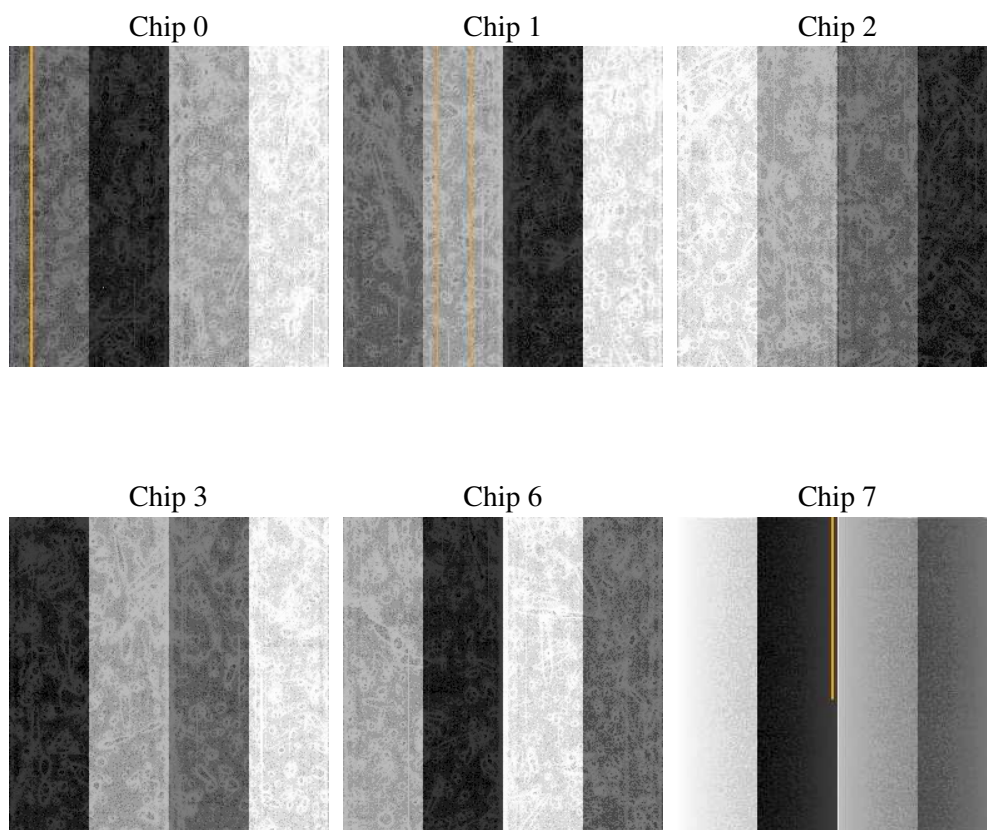
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-19T21:45:55
revision	2

sched_exp_time	0.0
ontime	7794.6237064004
ontime0	4132.3123402596
ontime1	4265.1937260628
ontime2	3967.0217700005
ontime3	4080.456705749
ontime6	4411.0380256474
ontime7	7794.6237064004
l1events	1426336

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	202479	208902	196790	203508	226236	388421
rejected events	27288	28260	27248	28169	30168	54133
rejected %	13%	13%	13%	13%	13%	13%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	96828	99473	95365	98824	106285	59876
	47%	47%	48%	48%	46%	15%
grade 1 events	511	467	544	549	552	134
	0%	0%	0%	0%	0%	0%
grade 2 events	30343	31889	28192	29612	34157	102094
	14%	15%	14%	14%	15%	26%
grade 3 events	11253	11249	11180	11322	12004	24479
	5%	5%	5%	5%	5%	6%
grade 4 events	11323	11407	11159	11453	12145	24041
	5%	5%	5%	5%	5%	6%
grade 5 events	1842	1926	1782	1965	2158	6888
	0%	0%	0%	0%	0%	1%
grade 6 events	25585	26750	23789	24268	31604	123967
	12%	12%	12%	11%	13%	31%
grade 7 events	24794	25741	24779	25515	27331	46942
	12%	12%	12%	12%	12%	12%

## 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	174.9972825525708	Alternating exposures requested	N	N
Pointing Dec	0	-3.971537858508571	Primary exposure time	3.2	3.2
Pointing Roll	0.0	62.52887738611181			
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	159692643.772572	159692642.74786			
Observation start date	2003-01-23T07:04:04	2003-01-23T07:04:02			
Observation end time	159726315.023982	159726313.99927			
Observation end date	2003-01-23T16:25:15	2003-01-23T16:25:13			
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)	2006.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.79199997

## A.2 Comments

Focal plane temperature is warmer than -118 degrees during latter half of observation. The ACIS calibrations are not verified or necessarily applicable for focal plane temperatures warmer than -118 degrees.