

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 60664 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Jul 14 2006

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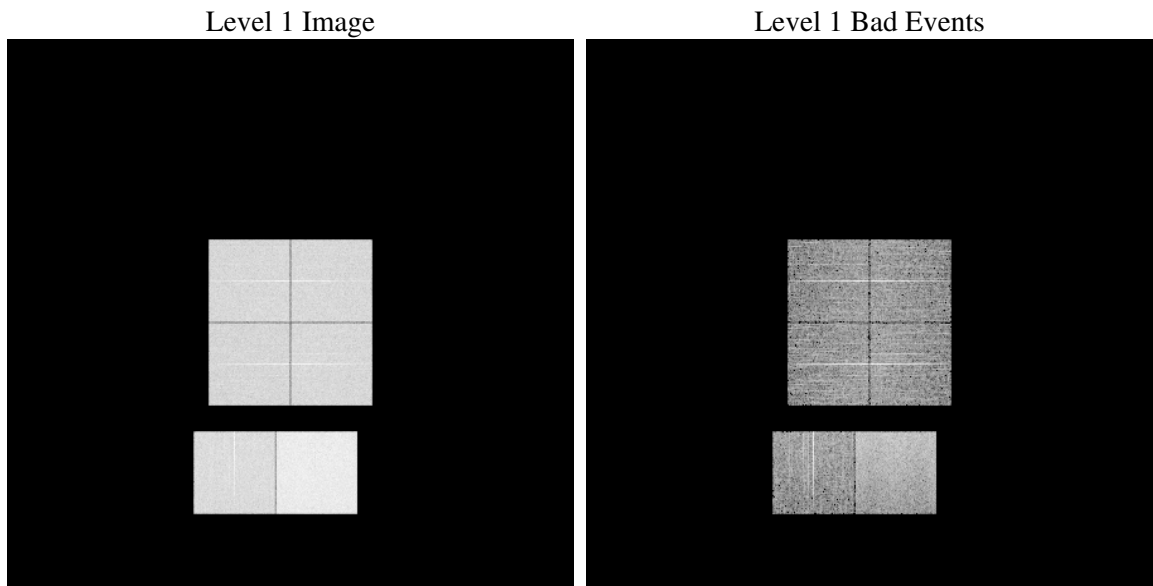
# 1 Front

seq_num	&#160
obs_id	60664
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	334.97108664559
dec_nom	18.007887456499
roll_nom	131.07602229624
revision	2
ontime	8463.9999684691
livetime	8356.8237044595
ontime0	5253.179002434
ontime1	5240.2560912073
ontime2	4944.3022505641
ontime3	5155.8660509884
ontime6	5587.1229372919
ontime7	8463.9999684691
l2events	1251216

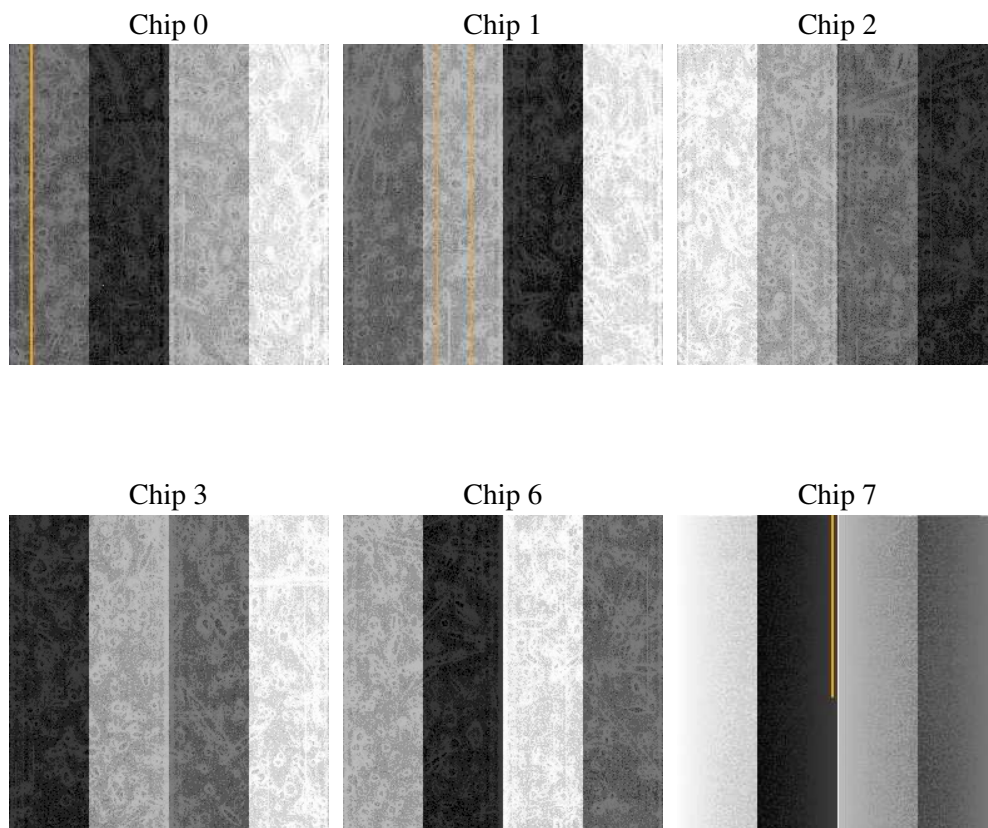
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-14T16:45:54
revision	2

sched_exp_time	0.0
ontime	8465.5009401441
ontime0	5253.6970510781
ontime1	5240.733099848
ontime2	4945.803222239
ontime3	5156.4661796391
ontime6	5587.5178659558
ontime7	8465.5009401441
l1events	1539740

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	228247	228608	219676	231285	253487	378437
rejected events	31621	33067	34193	35185	36062	59341
rejected %	13%	14%	15%	15%	14%	15%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	108851	107008	105261	111389	118066	52868
	47%	46%	47%	48%	46%	13%
grade 1 events	557	455	586	601	506	136
	0%	0%	0%	0%	0%	0%
grade 2 events	34065	35204	30570	32568	38279	100123
	14%	15%	13%	14%	15%	26%
grade 3 events	12533	12126	11970	12628	13007	22449
	5%	5%	5%	5%	5%	5%
grade 4 events	12596	12336	11944	12594	13129	21666
	5%	5%	5%	5%	5%	5%
grade 5 events	2289	2148	2012	2279	2572	7014
	1%	0%	0%	0%	1%	1%
grade 6 events	28581	28867	25738	26921	34944	121990
	12%	12%	11%	11%	13%	32%
grade 7 events	28775	30464	31595	32305	32984	52191
	12%	13%	14%	13%	13%	13%

## 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	334.9710866455885	Alternating exposures requested	N	N
Pointing Dec	0	18.00788745649944	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	131.076022296239			
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	174345376.091657	174345375.06692			
Observation start date	2003-07-11T21:16:16	2003-07-11T21:16:15			
Observation end time	174367518.142601	174367517.11786			
Observation end date	2003-07-12T03:25:18	2003-07-12T03:25:17			
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)	2006.07.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.46399996

## A.2 Comments

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