

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 60349 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : May 31 2006

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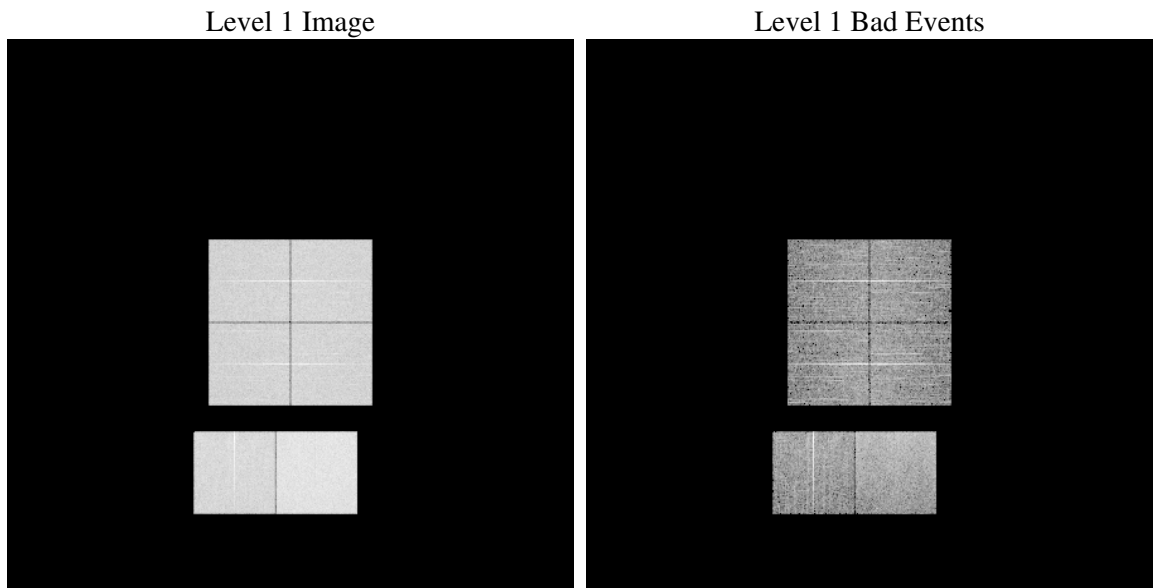
# 1 Front

seq_num	&#160
obs_id	60349
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	164.93423145052
dec_nom	68.983825033554
roll_nom	181.59890169414
revision	2
ontime	7803.6823898256
livetime	7704.8674645922
ontime0	5499.3947366476
ontime1	5729.5448833704
ontime2	5340.6698708236
ontime3	5473.38473472
ontime6	5962.9773408473
ontime7	7803.6823898256
l2events	1125305

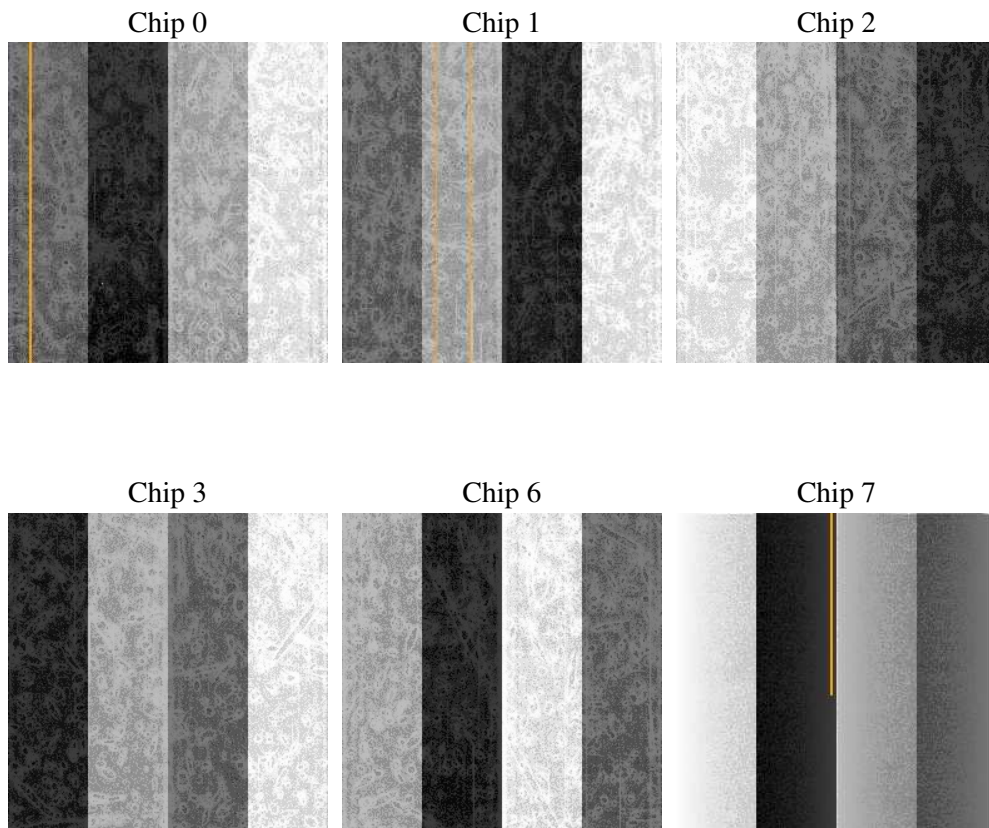
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-05-31T21:30:00
revision	2

sched_exp_time	0.0
ontime	7804.3320019543
ontime0	5500.003308773
ontime1	5730.1124154925
ontime2	5341.1963629425
ontime3	5474.075386852
ontime6	5963.4627929926
ontime7	7804.3320019543
l1events	1417059

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	211543	220862	210328	217111	242353	314862
rejected events	34273	36028	36577	37482	40138	52866
rejected %	16%	16%	17%	17%	16%	16%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	97622	101305	97494	100858	109897	47412
	46%	45%	46%	46%	45%	15%
grade 1 events	543	524	543	559	514	131
	0%	0%	0%	0%	0%	0%
grade 2 events	30931	33080	29292	30650	35045	78327
	14%	14%	13%	14%	14%	24%
grade 3 events	11570	11805	11414	11705	12640	19691
	5%	5%	5%	5%	5%	6%
grade 4 events	11347	11631	11324	11821	12754	19060
	5%	5%	5%	5%	5%	6%
grade 5 events	2276	2361	2177	2467	2856	6654
	1%	1%	1%	1%	1%	2%
grade 6 events	25800	27013	24227	24595	31879	97506
	12%	12%	11%	11%	13%	30%
grade 7 events	31454	33143	33857	34456	36768	46081
	14%	15%	16%	15%	15%	14%

## 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	164.9342314505155	Alternating exposures requested	N	N
Pointing Dec	0	68.9838250335537	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	181.5989016941351			
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	194867646.128244	194867645.10353			
Observation start date	2004-03-05T09:54:06	2004-03-05T09:54:05			
Observation end time	194908396.030031	194908395.00532			
Observation end date	2004-03-05T21:13:16	2004-03-05T21:13:15			
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)	2006.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.80368238

### A.2 Comments