

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 60511 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Jul 2 2006

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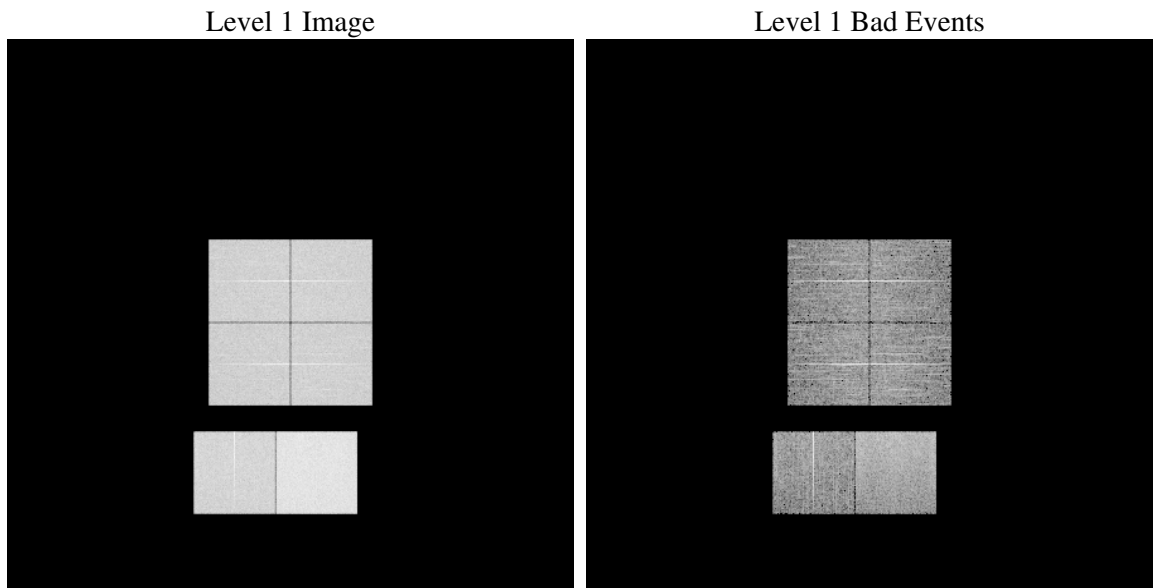
# 1 Front

seq_num	&#160
obs_id	60511
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	276.41913285534
dec_nom	-37.024151093031
roll_nom	269.46450646762
revision	2
ontime	8415.999968648
livetime	8309.4315095381
ontime0	5469.9617392123
ontime1	5563.94935745
ontime2	5142.6241019368
ontime3	5246.3345023692
ontime6	5814.289768368
ontime7	8415.999968648
l2events	1225545

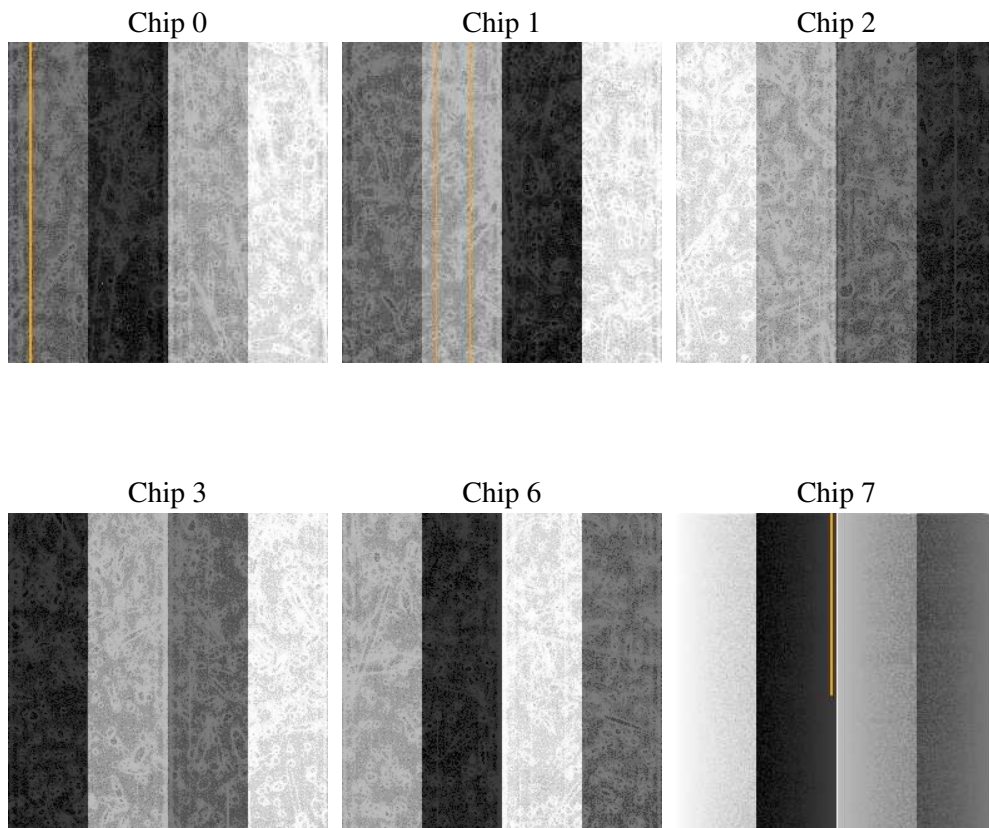
## 2 OBI

### 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	2006-07-02T03:27:33
revision	2

sched_exp_time	0.0
ontime	8465.4919538796
ontime0	5503.2488731742
ontime1	5593.9956208766
ontime2	5172.6702557206
ontime3	5273.1396659911
ontime6	5850.0329780877
ontime7	8465.4919538796
l1events	1537836

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	231556	234452	222581	227496	255996	365755
rejected events	37199	37044	38889	39641	40563	60256
rejected %	16%	15%	17%	17%	15%	16%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	107817	109396	103716	106246	117949	53863
	46%	46%	46%	46%	46%	14%
grade 1 events	588	550	612	597	516	149
	0%	0%	0%	0%	0%	0%
grade 2 events	34253	34780	30947	32009	37570	93802
	14%	14%	13%	14%	14%	25%
grade 3 events	12505	12743	12166	12343	13231	22003
	5%	5%	5%	5%	5%	6%
grade 4 events	12558	12615	11772	12295	13425	21923
	5%	5%	5%	5%	5%	5%
grade 5 events	2333	2376	2226	2460	2749	7184
	1%	1%	1%	1%	1%	1%
grade 6 events	28393	28863	26162	25906	34606	115723
	12%	12%	11%	11%	13%	31%
grade 7 events	33109	33129	34980	35640	35950	51108
	14%	14%	15%	15%	14%	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	276.4191328553434	Alternating exposures requested	N	N
Pointing Dec	0	-37.02415109303085	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	269.4645064676242			
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	182340378.48374	182340377.45903			
Observation start date	2003-10-12T10:06:18	2003-10-12T10:06:17			
Observation end time	182362432.384688	182362431.35998			
Observation end date	2003-10-12T16:13:52	2003-10-12T16:13:51			
Read mode	TIMED	TIMED			

## 2.3 Aspect



## 2.4 Star Slots

## 2.5 FID Slots



## A Summary

### A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2006.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.41599996

### A.2 Comments