

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 60040 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Apr 17 2006

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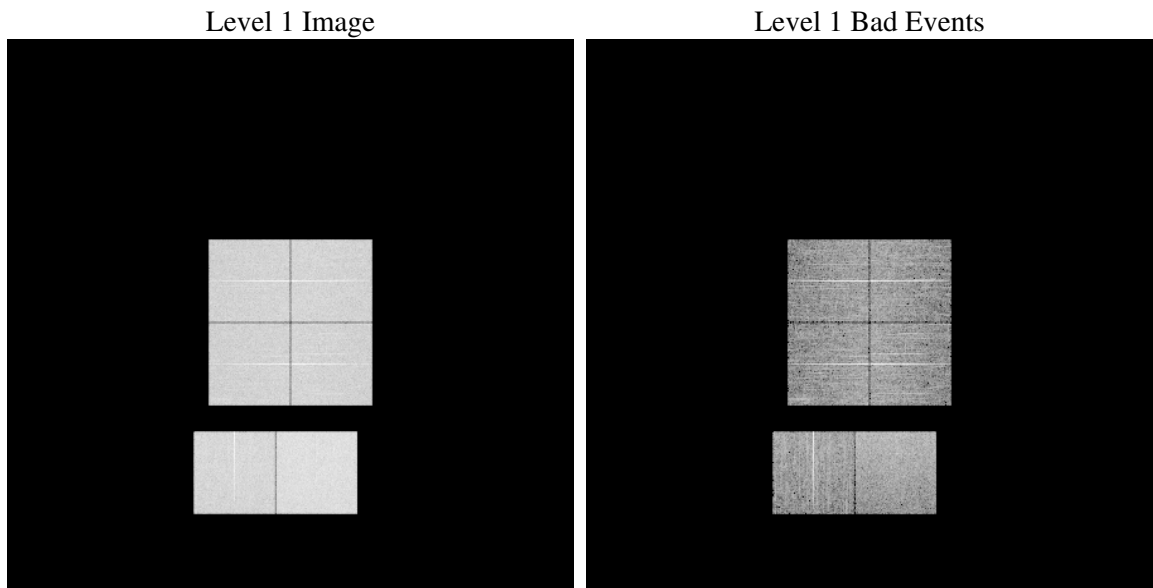
# 1 Front

seq_num	&#160
obs_id	60040
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	300.03567981318
dec_nom	-47.015026159575
roll_nom	295.49192978836
revision	2
ontime	8286.602316916
livetime	8181.6723687863
ontime0	6607.818998307
ontime1	6763.4268232584
ontime2	6361.5873065293
ontime3	6491.0616588295
ontime6	6970.9310311079
ontime7	8286.602316916
l2events	1153520

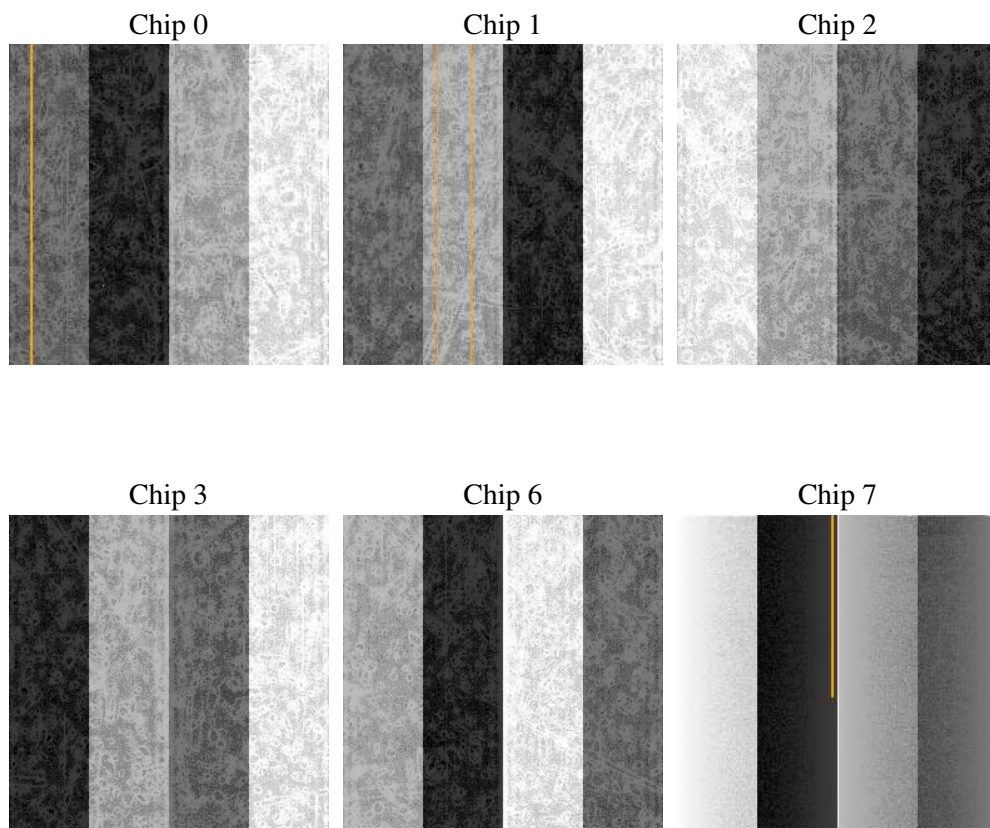
## 2 OBI

### 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	2006-04-18T00:25:37
revision	2

sched_exp_time	0.0
ontime	8287.2508999705
ontime0	6608.4265413582
ontime1	6763.9933263063
ontime2	6362.1127695739
ontime3	6491.7512818873
ontime6	6971.415454179
ontime7	8287.2508999705
l1events	1499796

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	232083	237995	228734	235207	257853	307924
rejected events	44040	44407	45364	47525	48838	58497
rejected %	18%	18%	19%	20%	18%	18%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	103531	105536	102229	104961	113164	43071
	44%	44%	44%	44%	43%	13%
grade 1 events	602	528	607	664	619	135
	0%	0%	0%	0%	0%	0%
grade 2 events	32744	34513	30736	32007	35913	75758
	14%	14%	13%	13%	13%	24%
grade 3 events	12145	12255	12041	12343	13144	17986
	5%	5%	5%	5%	5%	5%
grade 4 events	12196	12372	12070	12353	13029	17455
	5%	5%	5%	5%	5%	5%
grade 5 events	2886	2917	2617	3182	3129	7052
	1%	1%	1%	1%	1%	2%
grade 6 events	27427	28912	26294	26018	33765	95157
	11%	12%	11%	11%	13%	30%
grade 7 events	40552	40962	42140	43679	45090	51310
	17%	17%	18%	18%	17%	16%

## 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	300.0356798131781	Alternating exposures requested	N	N
Pointing Dec	0	-47.01502615957516	Primary exposure time	3.2	3.2
Pointing Roll	0.0	295.4919297883573			
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	211825066.478848	211825065.45384			
Observation start date	2004-09-17T16:17:46	2004-09-17T16:17:45			
Observation end time	211836038.079338	211836037.05433			
Observation end date	2004-09-17T19:20:38	2004-09-17T19:20:37			
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)	2006.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.28660231

### A.2 Comments