

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 60038 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Apr 17 2006

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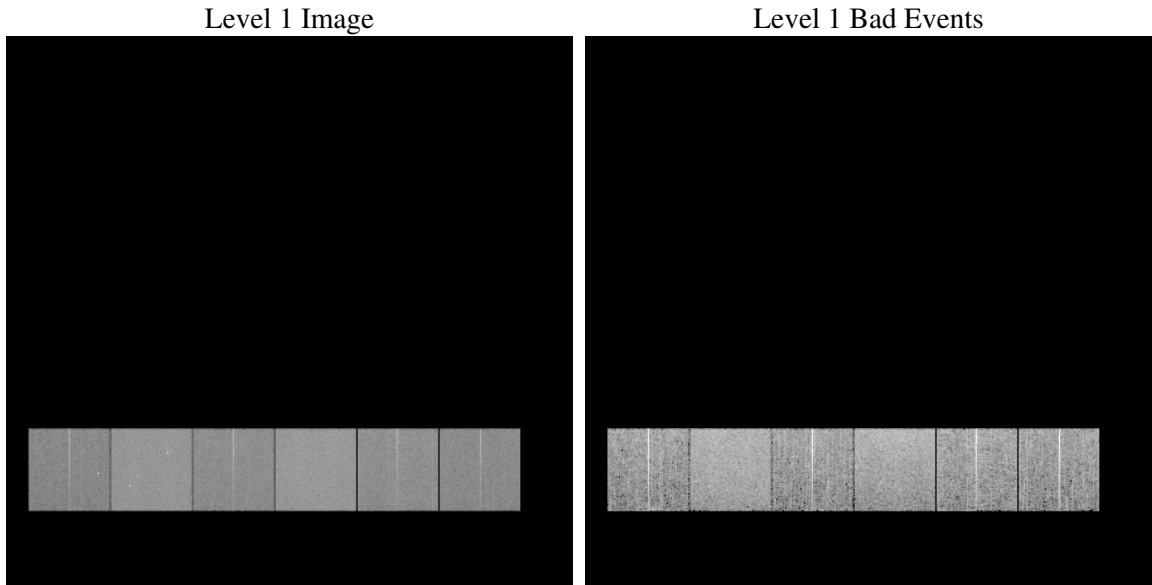
# 1 Front

seq_num	&#160
obs_id	60038
title	ACIS-456789 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	&#160
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	121.9805548115
dec_nom	-11.977064012408
roll_nom	99.627276946422
revision	2
ontime	7798.3999709487
livetime	7699.6519348838
ontime4	5189.4234479368
ontime5	7798.3999709487
ontime6	5793.0565494895
ontime7	7798.3999709487
ontime8	5876.5093921721
ontime9	5568.6168773472
l2events	1045544

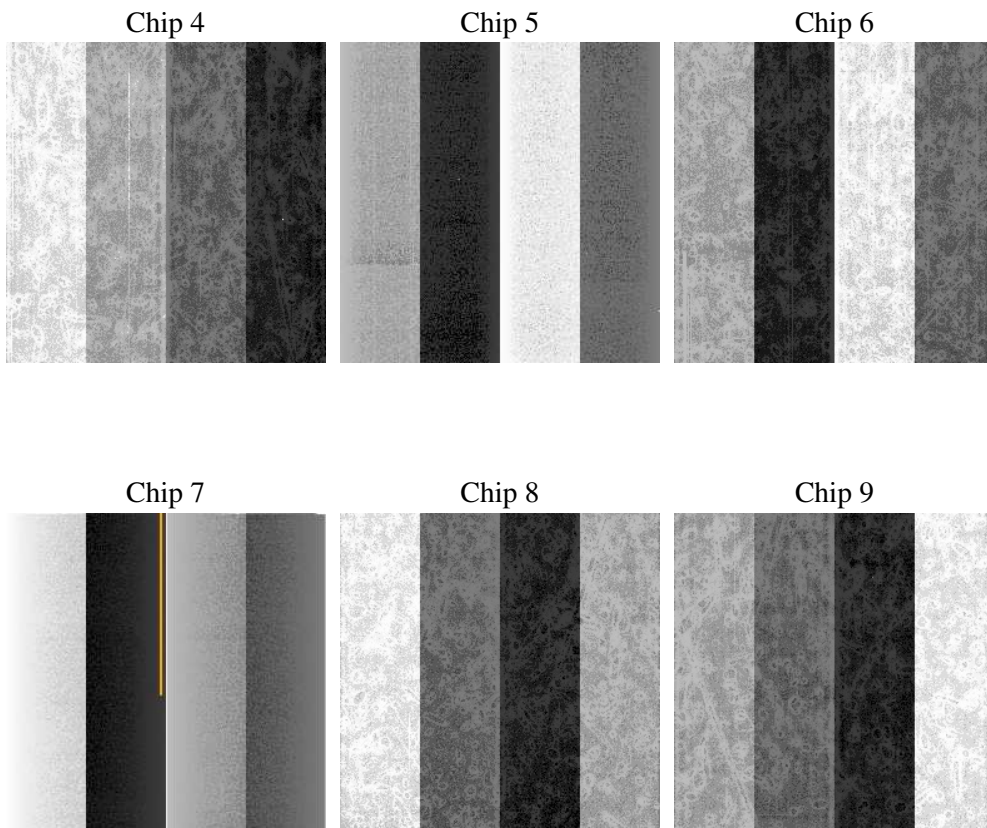
## 2 OBI

### 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	2006-04-18T00:45:51
revision	2

sched_exp_time	0.0
ontime	7801.0858884454
ontime4	5192.1093654335
ontime5	7801.0858884454
ontime6	5794.9305406213
ontime7	7801.0858884454
ontime8	5879.1953096688
ontime9	5571.3027948439
l1events	1412735

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	189214	275979	218967	293258	230296	205021
rejected events	45223	60622	46053	56412	49809	45410
rejected %	23%	21%	21%	19%	21%	22%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	83233	25373	94049	40374	97528	87409
	43%	9%	42%	13%	42%	42%
grade 1 events	655	119	519	106	548	581
	0%	0%	0%	0%	0%	0%
grade 2 events	22561	99869	29636	71838	31740	27589
	11%	36%	13%	24%	13%	13%
grade 3 events	9954	7071	10927	16756	12154	10374
	5%	2%	4%	5%	5%	5%
grade 4 events	9585	6927	10833	16492	11941	10362
	5%	2%	4%	5%	5%	5%
grade 5 events	2382	6068	2876	6635	3385	2942
	1%	2%	1%	2%	1%	1%
grade 6 events	18735	76206	27549	91486	27222	23962
	9%	27%	12%	31%	11%	11%
grade 7 events	42109	54346	42578	49571	45778	41802
	22%	19%	19%	16%	19%	20%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	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	121.9805548115023	Alternating exposures requested	N	N
Pointing Dec	0	-11.97706401240817	Primary exposure time	3.2	3.2
Pointing Roll	0.0	99.62727694642243			
SIM focus pos (mm)	-0.684267	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	212002362.786774	212002361.76176			
Observation start date	2004-09-19T17:32:43	2004-09-19T17:32:41			
Observation end time	212042489.488568	212042488.46355			
Observation end date	2004-09-20T04:41:29	2004-09-20T04:41:28			
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	7.79839997

## A.2 Comments