

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 61638 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Nov 21 2006

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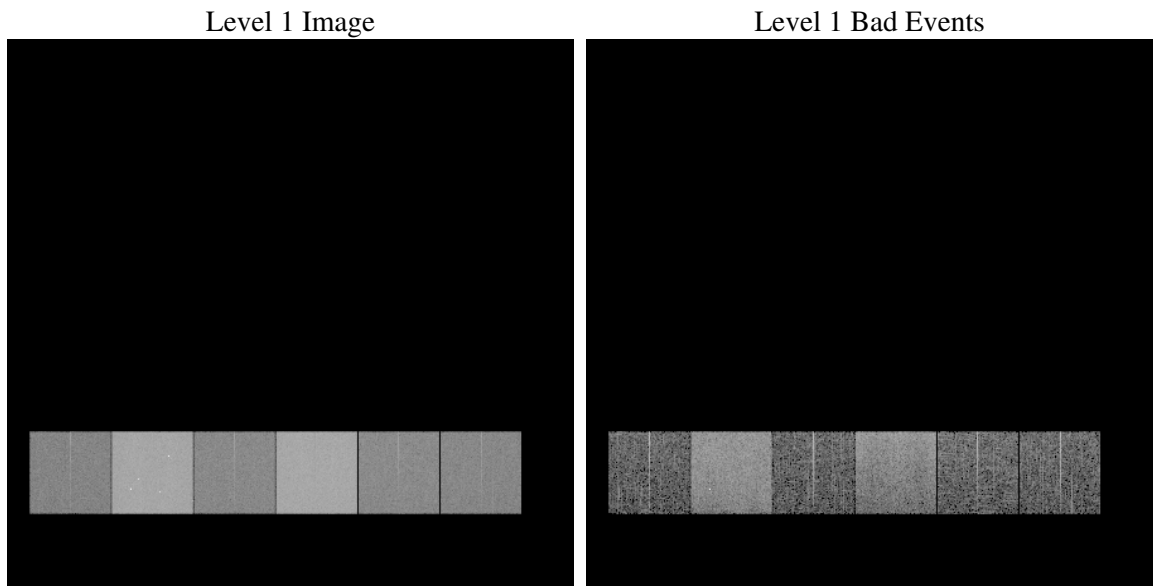
# 1 Front

seq_num	&#160
obs_id	61638
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	245.47124647063
dec_nom	4.5011550207908
roll_nom	144.94915189357
revision	2
ontime	5758.2028963566
livetime	5685.2890641094
ontime4	2251.4383904934
ontime5	6180.1854088157
ontime6	2417.4294721782
ontime7	5758.2028963566
ontime8	2482.3322722912
ontime9	2365.4497721642
l2events	1295929

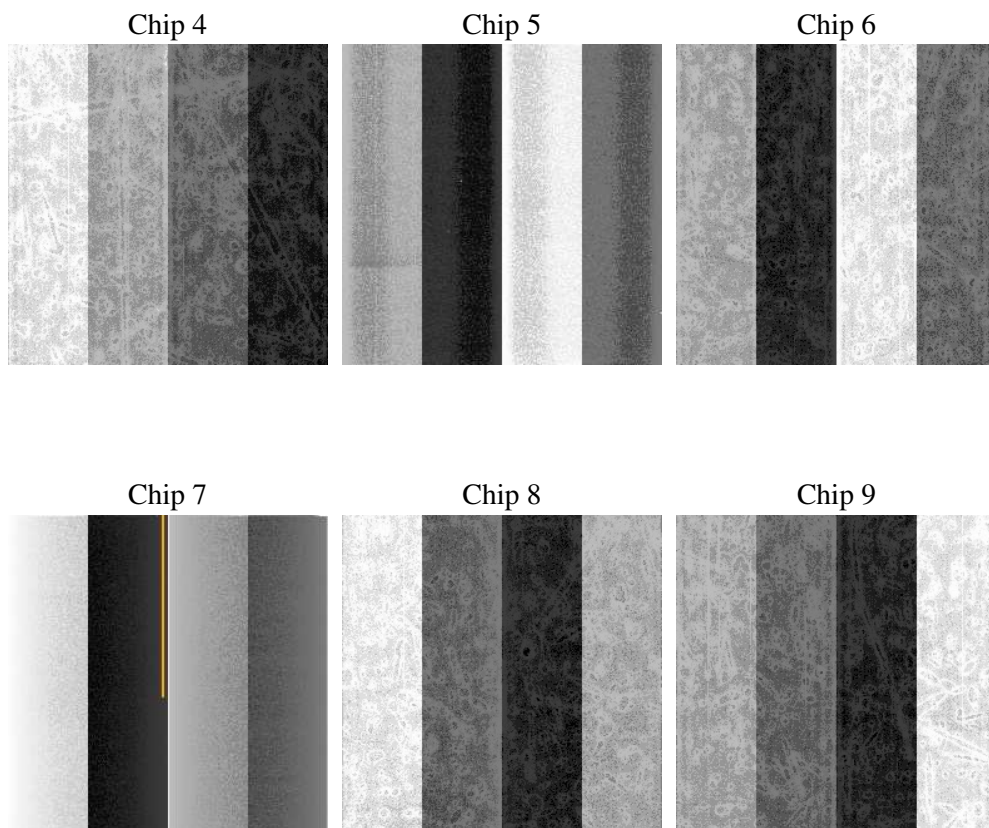
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.4
date	2006-11-21T21:37:26
revision	2

sched_exp_time	0.0
ontime	5827.3467574865
ontime4	2278.4491603076
ontime5	6255.1540687382
ontime6	2446.9830803573
ontime7	5827.3467574865
ontime8	2511.8038004637
ontime9	2398.3674905002
l1events	1551421

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	163227	411207	185673	422169	192452	176693
rejected events	21245	60388	21624	47584	24104	22426
rejected %	13%	14%	11%	11%	12%	12%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	81257	44594	90676	72194	93655	85768
	49%	10%	48%	17%	48%	48%
grade 1 events	451	126	506	170	473	483
	0%	0%	0%	0%	0%	0%
grade 2 events	25204	170095	28711	112802	30143	27742
	15%	41%	15%	26%	15%	15%
grade 3 events	8884	12530	10448	29044	10694	9664
	5%	3%	5%	6%	5%	5%
grade 4 events	8718	11894	10258	28424	10580	9682
	5%	2%	5%	6%	5%	5%
grade 5 events	1293	6950	1528	6402	1699	1544
	0%	1%	0%	1%	0%	0%
grade 6 events	19562	116052	25925	136570	25220	23573
	11%	28%	13%	32%	13%	13%
grade 7 events	17858	48966	17621	36563	19988	18237
	10%	11%	9%	8%	10%	10%

## 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	245.4712464706344	Alternating exposures requested	N	N
Pointing Dec	0	4.501155020790838	Primary exposure time	3.2	3.2
Pointing Roll	0.0	144.9491518935726			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	106028924.194986	106028923.42651			
Observation start date	2001-05-12T04:28:44	2001-05-12T04:28:43			
Observation end time	106050586.545827	106050585.77735			
Observation end date	2001-05-12T10:29:47	2001-05-12T10:29:45			
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)	2006.11.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.75820289

### A.2 Comments