

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 61611 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Nov 23 2006

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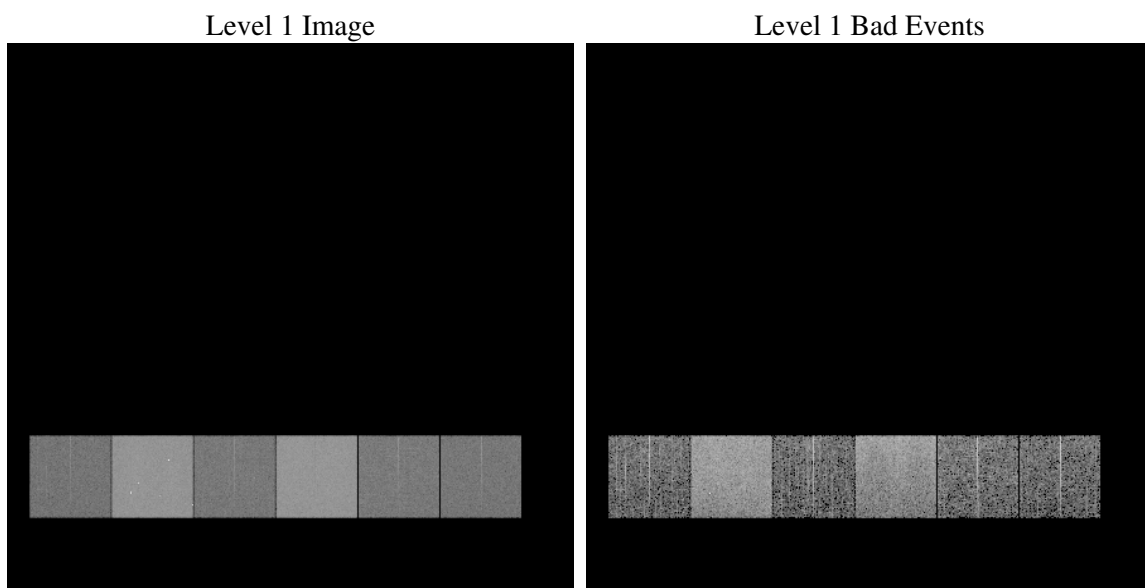
# 1 Front

seq_num	&#160
obs_id	61611
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	185.99935141065
dec_nom	25.971342240497
roll_nom	236.06976774807
revision	2
ontime	4533.3311873525
livetime	4475.927418214
ontime4	1843.3004786223
ontime5	4869.6266355813
ontime6	1956.0133511871
ontime7	4533.3311873525
ontime8	1994.987911135
ontime9	1939.6850511879
l2events	1027341

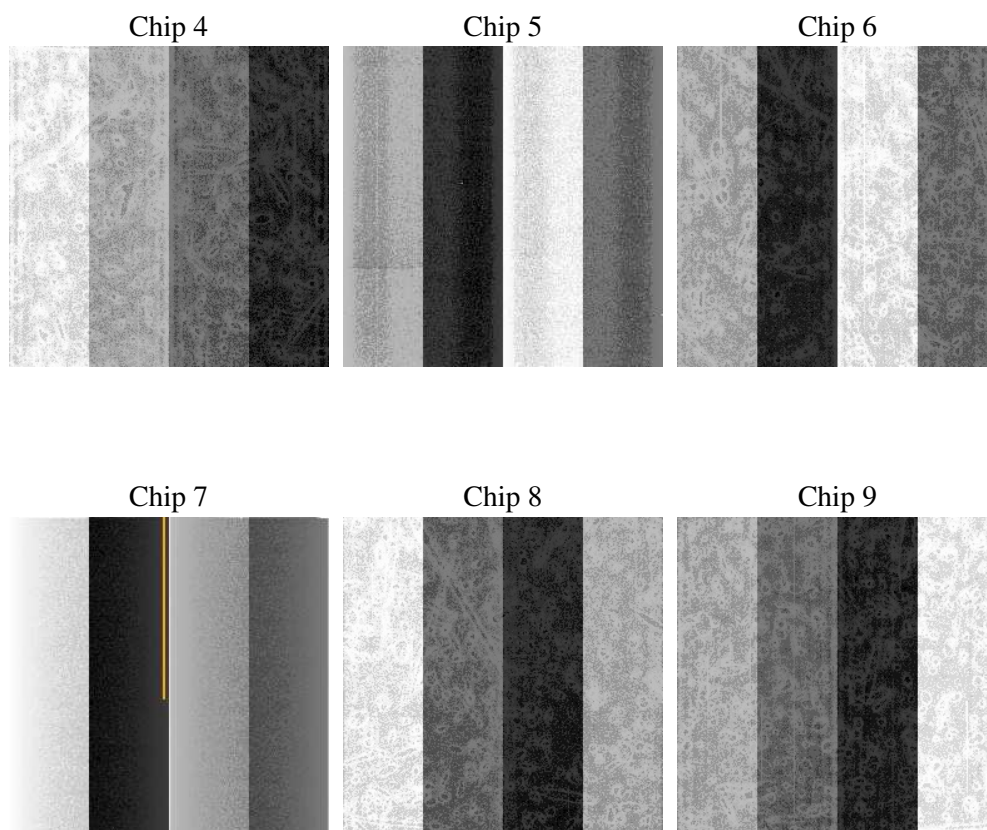
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-11-23T07:43:40
revision	2

sched_exp_time	0.0
ontime	4611.9648718983
ontime4	1876.5601614863
ontime5	4952.26565817
ontime6	1983.5143117607
ontime7	4611.9648718983
ontime8	2028.8888716847
ontime9	1967.3091317564
l1events	1228205

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	132772	321164	148651	328914	154745	141959
rejected events	17312	45911	16949	37414	19256	16351
rejected %	13%	14%	11%	11%	12%	11%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	66830	38285	72952	56857	76198	70012
	50%	11%	49%	17%	49%	49%
grade 1 events	330	93	346	125	356	363
	0%	0%	0%	0%	0%	0%
grade 2 events	20695	132088	23049	87804	23998	22478
	15%	41%	15%	26%	15%	15%
grade 3 events	7282	10293	8245	23248	8813	7908
	5%	3%	5%	7%	5%	5%
grade 4 events	7147	10335	8139	22803	8669	8089
	5%	3%	5%	6%	5%	5%
grade 5 events	1032	5105	1185	4616	1304	1190
	0%	1%	0%	1%	0%	0%
grade 6 events	15657	88801	21051	106109	20042	18939
	11%	27%	14%	32%	12%	13%
grade 7 events	13799	36164	13684	27352	15365	12980
	10%	11%	9%	8%	9%	9%

## 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	185.9993514106543	Alternating exposures requested	N	N
Pointing Dec	0	25.97134224049733	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	236.0697677480749			
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	107411692.299	107411691.53029			
Observation start date	2001-05-28T04:34:52	2001-05-28T04:34:51			
Observation end time	107420091.149	107420090.38062			
Observation end date	2001-05-28T06:54:51	2001-05-28T06:54:50			
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)	2006.11.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.53333118

### A.2 Comments