

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 60279 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : May 25 2006

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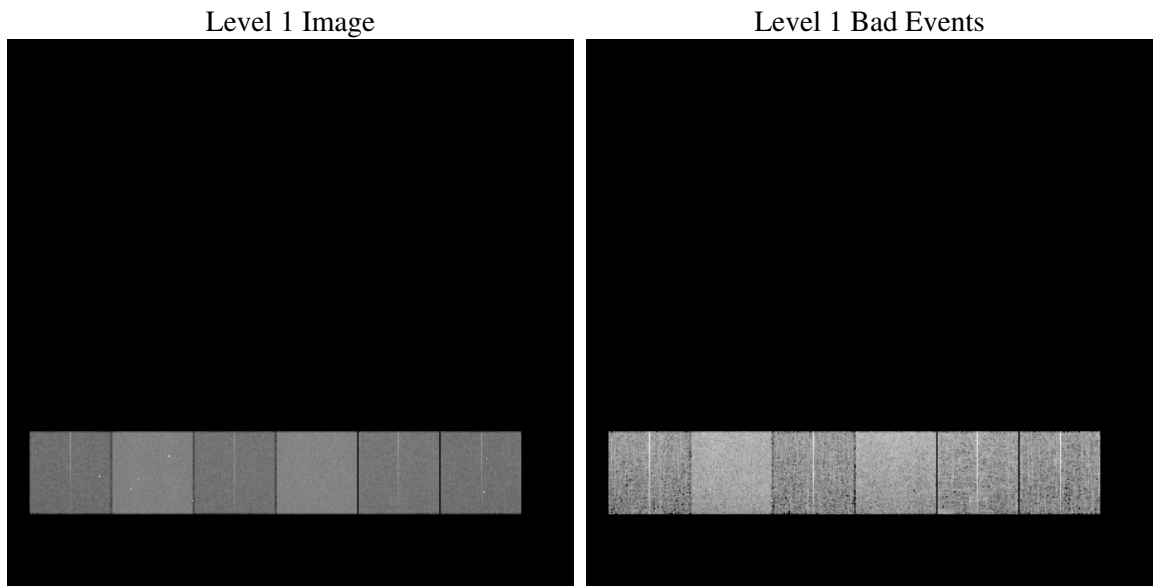
# 1 Front

seq_num	&#160
obs_id	60279
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	72.071031793446
dec_nom	67.989481100155
roll_nom	305.5364161233
revision	2
ontime	7794.5626033247
livetime	7695.8631583192
ontime4	4550.4780694842
ontime5	7797.8446534276
ontime6	4858.3296720982
ontime7	7794.5626033247
ontime8	5059.353002578
ontime9	4812.8335765302
l2events	1081741

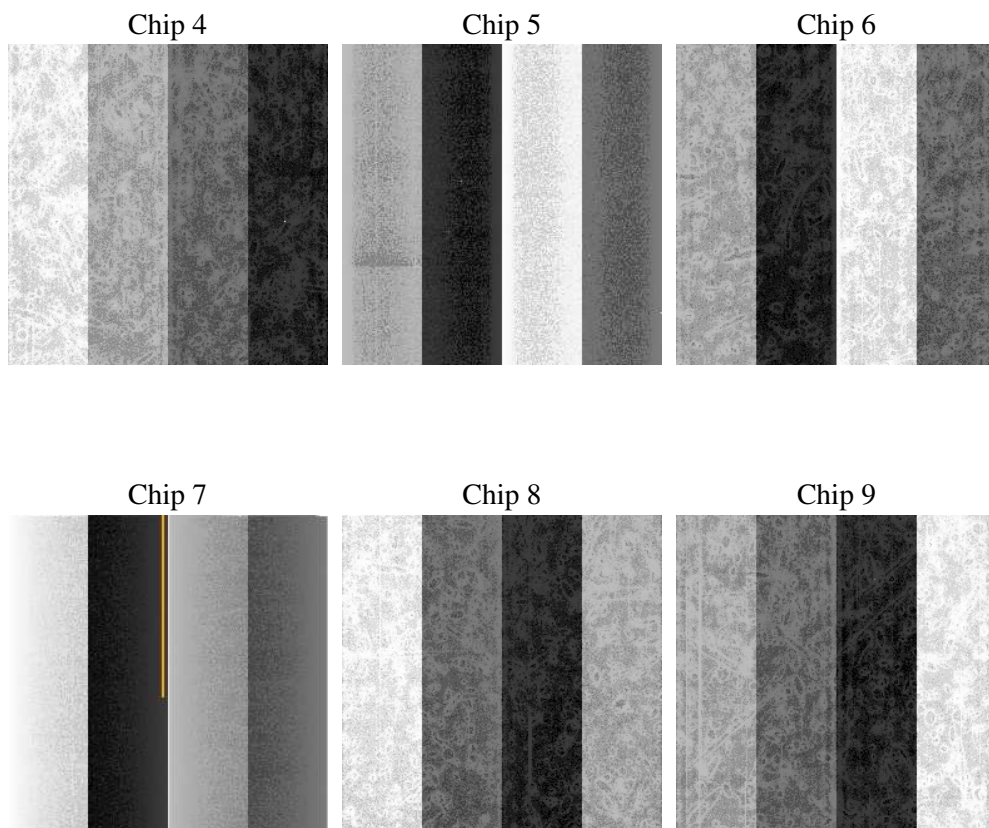
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-05-25T18:13:56
revision	2

sched_exp_time	0.0
ontime	7797.8439533114
ontime4	4553.6362994611
ontime5	7801.0849634111
ontime6	4861.5289420784
ontime7	7797.8439533114
ontime8	5062.4701925814
ontime9	4816.1559665203
l1events	1415665

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	180513	299618	200576	320221	219073	195664
rejected events	36503	61473	36211	56228	43129	37110
rejected %	20%	20%	18%	17%	19%	18%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	83184	28384	88901	47009	95085	87920
	46%	9%	44%	14%	43%	44%
grade 1 events	624	175	521	118	519	526
	0%	0%	0%	0%	0%	0%
grade 2 events	23128	111860	28300	79244	31098	26583
	12%	37%	14%	24%	14%	13%
grade 3 events	9478	7414	10270	19466	11200	10096
	5%	2%	5%	6%	5%	5%
grade 4 events	9579	7471	10164	19042	11339	9881
	5%	2%	5%	5%	5%	5%
grade 5 events	2112	6319	2396	7004	3036	2494
	1%	2%	1%	2%	1%	1%
grade 6 events	18728	83100	26848	99351	27306	24162
	10%	27%	13%	31%	12%	12%
grade 7 events	33680	54895	33176	48987	39490	34002
	18%	18%	16%	15%	18%	17%

## 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	72.0710317934459	Alternating exposures requested	N	N
Pointing Dec	0	67.98948110015496	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	305.5364161232968			
SIM focus pos (mm)	-0.684267	-1.038866356238299			
SIM defocus (mm)	0	0.4944702831659975			
SIM translation stage pos (mm)	-190.132523	250.4635187648994			
SIM translation stage offset (mm)	0	-0.007540371344731511			
Observation start time	198298516.029237	198298515.00424			
Observation start date	2004-04-14T02:55:16	2004-04-14T02:55:15			
Observation end time	198315795.479998	198315794.455			
Observation end date	2004-04-14T07:43:15	2004-04-14T07:43:14			
Read mode	TIMED	TIMED			

## 2.3 Aspect



## **2.4 Star Slots**

## **2.5 FID Slots**



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.05.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7945626

### A.2 Comments