

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 61558 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Dec 11 2006

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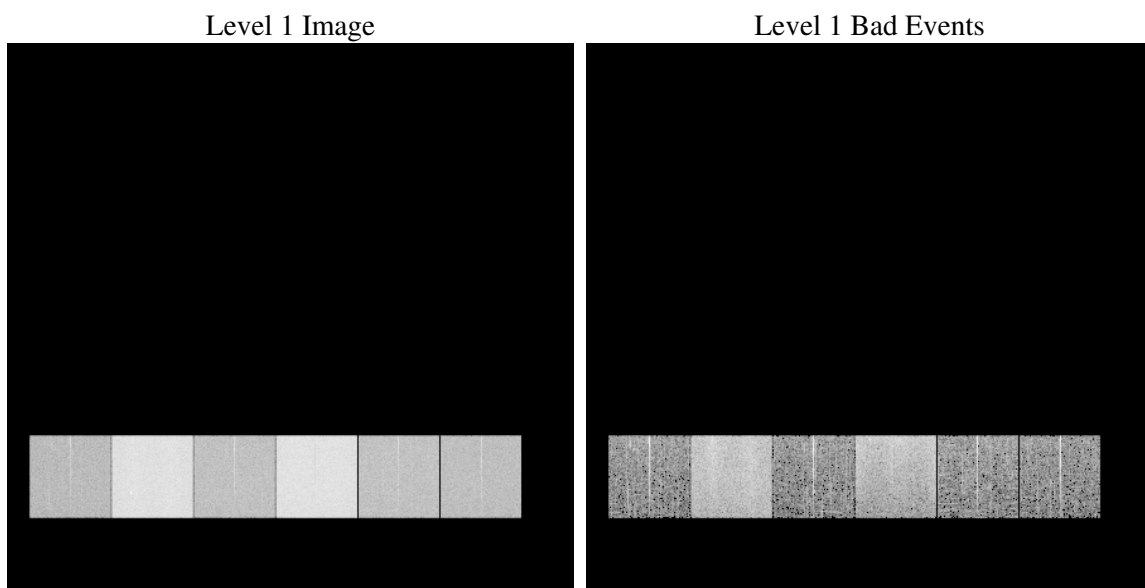
# 1 Front

seq_num	&#160
obs_id	61558
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	40.974402176732
dec_nom	-10.986199291957
roll_nom	118.48548186762
revision	2
ontime	6126.3426442146
livetime	6048.7672048129
ontime4	2285.8852218837
ontime5	6615.7677826285
ontime6	2510.1541367918
ontime7	6126.3426442146
ontime8	2558.1730728
ontime9	2463.9780819565
l2events	1287462

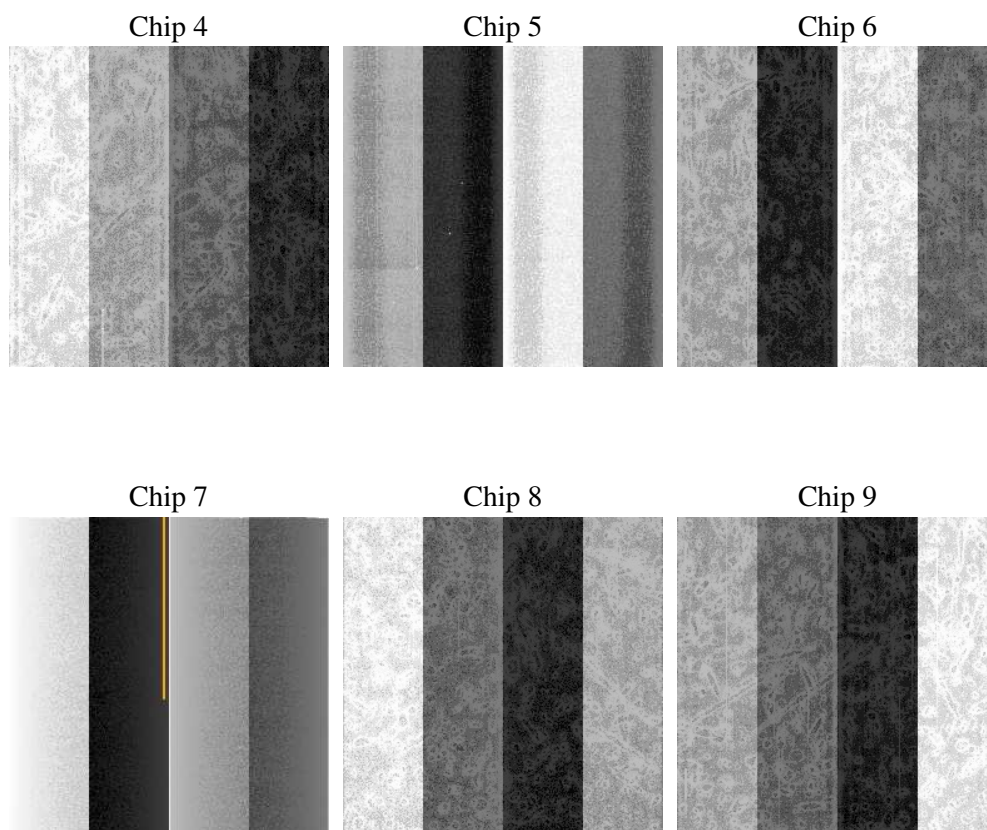
## 2 OBI

### 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	2006-12-12T02:57:32
revision	2

sched_exp_time	0.0
ontime	6161.1628732979
ontime4	2301.1362903565
ontime5	6653.7879318893
ontime6	2524.7677108198
ontime7	6161.1628732979
ontime8	2573.3831012696
ontime9	2479.3933104277
l1events	1548331

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	156716	417546	183817	427969	189654	172629
rejected events	22901	64789	22408	51401	24061	20973
rejected %	14%	15%	12%	12%	12%	12%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	71932	35917	86670	66824	91458	82768
	45%	8%	47%	15%	48%	47%
grade 1 events	348	114	399	132	427	369
	0%	0%	0%	0%	0%	0%
grade 2 events	28652	170693	30513	116934	30112	28214
	18%	40%	16%	27%	15%	16%
grade 3 events	7501	11327	9539	27352	10270	9072
	4%	2%	5%	6%	5%	5%
grade 4 events	7627	10544	9527	27007	10132	9348
	4%	2%	5%	6%	5%	5%
grade 5 events	1379	6779	1607	6566	1726	1505
	0%	1%	0%	1%	0%	0%
grade 6 events	19073	126366	26246	140682	24576	23287
	12%	30%	14%	32%	12%	13%
grade 7 events	20204	55806	19316	42472	20953	18066
	12%	13%	10%	9%	11%	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	40.97440217673221	Alternating exposures requested	N	N
Pointing Dec	0	-10.98619929195722	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	118.4854818676165			
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	110824616.482	110824615.71339			
Observation start date	2001-07-06T16:36:56	2001-07-06T16:36:55			
Observation end time	110847533.433	110847532.66429			
Observation end date	2001-07-06T22:58:53	2001-07-06T22:58:52			
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)	2006.12.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.12634264

## A.2 Comments

The ACIS focal plane temperature was above calibration limits for the entire observation and decreased by more than three degrees over the course of the observation.