

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 61005 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Oct 5 2006

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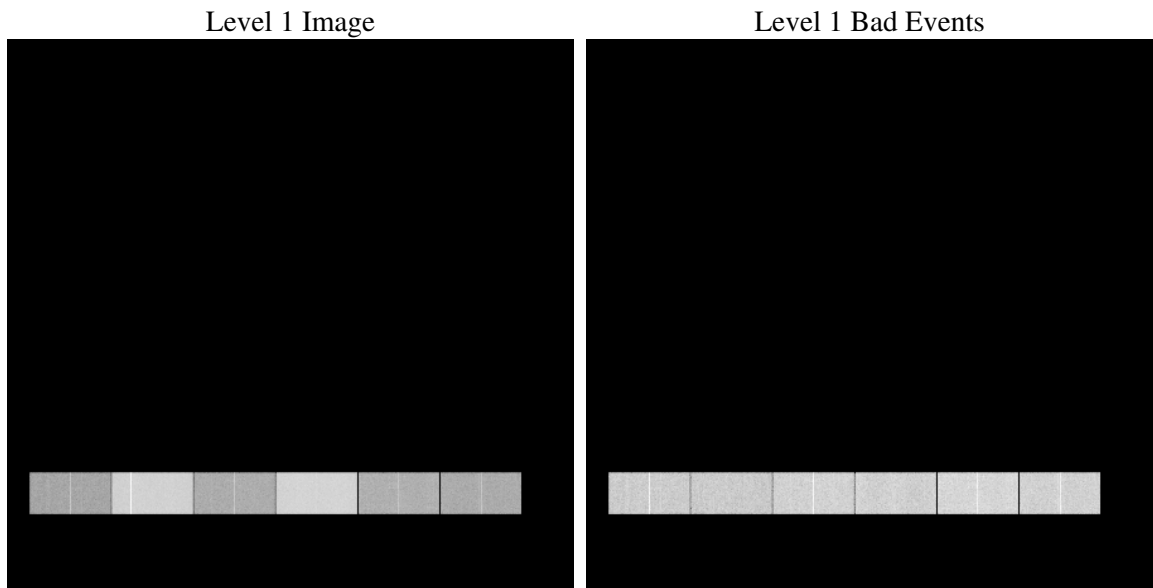
# 1 Front

seq_num	&#160
obs_id	61005
title	ACIS-456789 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	&#160
ra_targ	0.0
dec_targ	0.0
ra_nom	86.80826452866
dec_nom	-51.042342967657
roll_nom	72.101684993574
revision	2
ontime	8636.1432451606
livetime	8602.4083106092
ontime4	2830.0848275125
ontime5	8879.25
ontime6	3178.8322260976
ontime7	8636.1432451606
ontime8	3257.6285283864
ontime9	3161.3223348856
l2events	879063

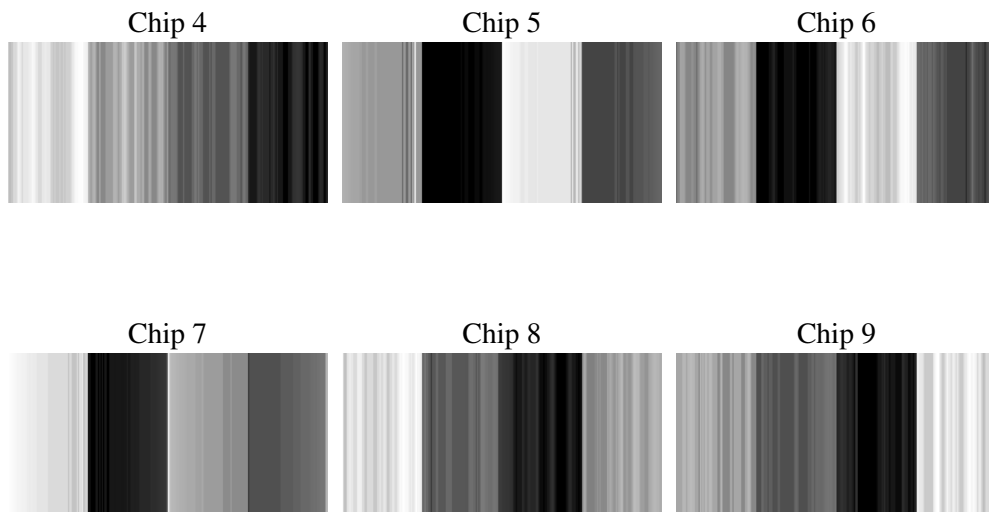
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-06T02:03:24
revision	2

sched_exp_time	0.0
ontime	8636.9032019675
ontime4	2830.8447844088
ontime5	8880.5838178396
ontime6	3179.5921235383
ontime7	8636.9032019675
ontime8	3258.3885050714
ontime9	3162.0822917521
l1events	1572083

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	141103	451923	166608	467176	183123	162150
rejected events	95126	89152	109541	104526	123314	107917
rejected %	67%	19%	65%	22%	67%	66%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	13223	29243	13083	44153	21354	15381
	9%	6%	7%	9%	11%	9%
grade 1 events	79	91	72	132	103	80
	0%	0%	0%	0%	0%	0%
grade 2 events	72634	190541	88102	139753	85801	82282
	51%	42%	52%	29%	46%	50%
grade 3 events	1808	5199	1884	18745	2905	2106
	1%	1%	1%	4%	1%	1%
grade 4 events	1829	5309	1781	18348	2996	2110
	1%	1%	1%	3%	1%	1%
grade 5 events	1726	7125	1663	8505	2043	1701
	1%	1%	0%	1%	1%	1%
grade 6 events	22220	132691	28960	151857	28632	27130
	15%	29%	17%	32%	15%	16%
grade 7 events	27584	81724	31063	85683	39289	31360
	19%	18%	18%	18%	21%	19%

## 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	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	86.80826452865955	Alternating exposures requested	N	N
Pointing Dec	0	-51.04234296765738	Primary exposure time	0.000000	0
Pointing Roll	0.0	72.10168499357405			
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	150553284.191686	150553283.16697			
Observation start date	2002-10-09T12:21:24	2002-10-09T12:21:23			
Observation end time	150584901.342995	150584900.31828			
Observation end date	2002-10-09T21:08:21	2002-10-09T21:08:20			
Read mode	CONTINUOUS	CONTINUOUS			

## 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)	2006.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.63614324

### A.2 Comments