

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 61031 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Oct 4 2006

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	8
2.5	FID Slots . . . . .	8
<b>A</b>	<b>Summary</b>	<b>9</b>
A.1	Status . . . . .	9
A.2	Comments . . . . .	9

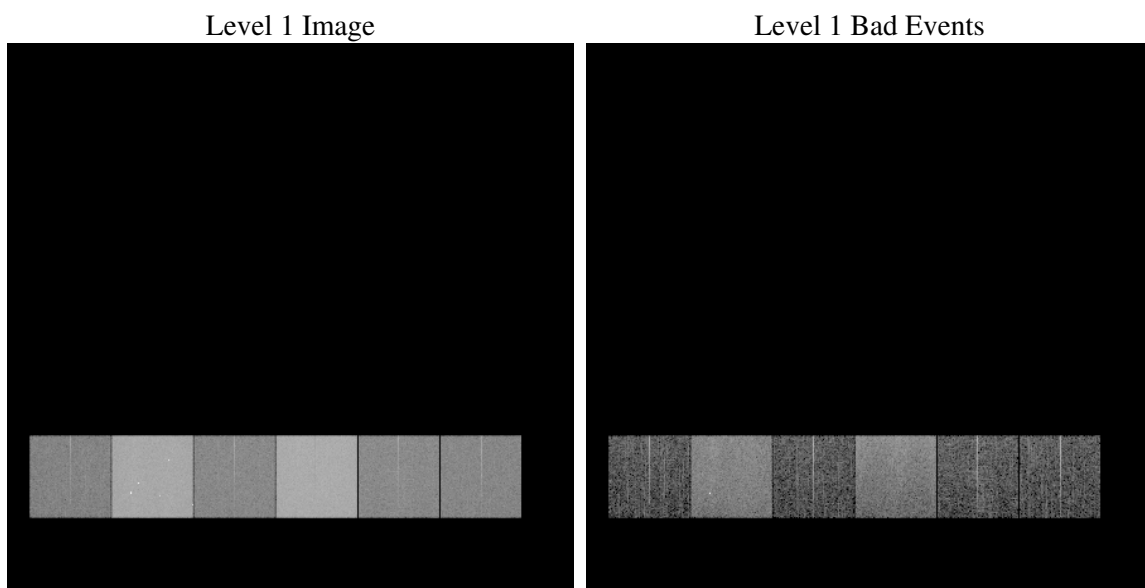
# 1 Front

seq_num	&#160
obs_id	61031
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	299.03494816822
dec_nom	-46.015122674926
roll_nom	295.25437295703
revision	2
ontime	8257.9301005304
livetime	8153.3632172689
ontime4	2871.0041456521
ontime5	8358.3999688625
ontime6	3159.4145390093
ontime7	8257.9301005304
ontime8	3195.519569248
ontime9	3068.5427875221
l2events	1256707

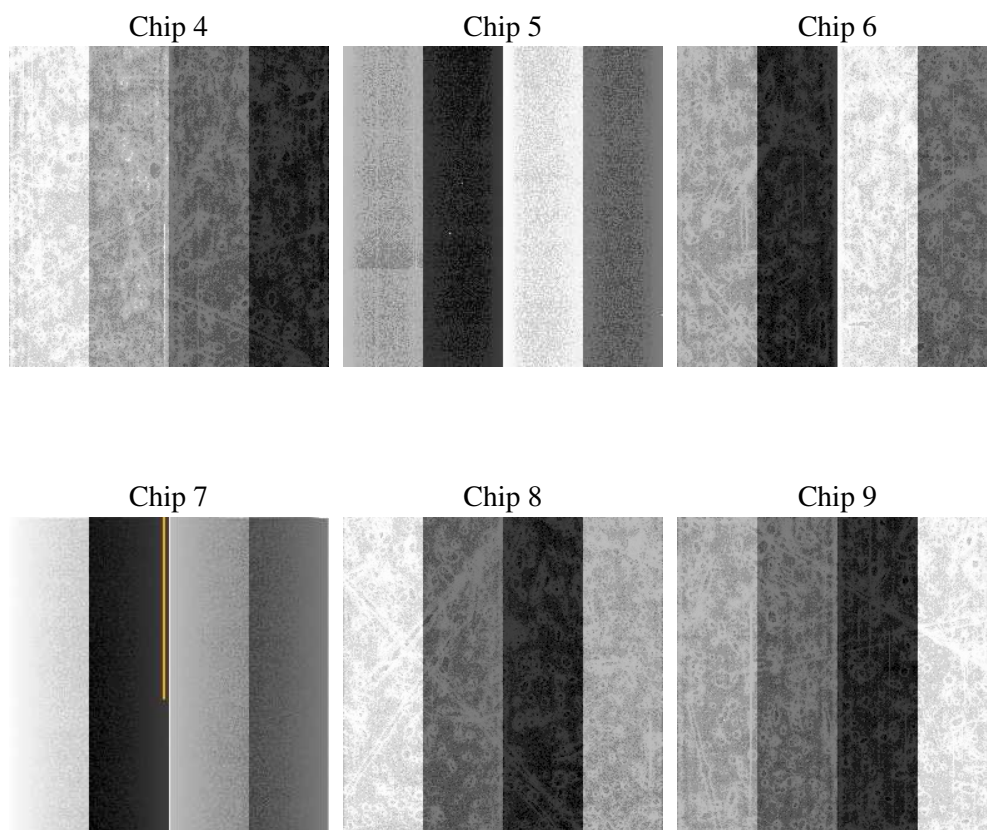
## 2 OBI

### 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	2006-10-04T19:57:40
revision	2

sched_exp_time	0.0
ontime	8355.3021509945
ontime4	2900.7275739908
ontime5	8459.0129895806
ontime6	3195.6610873342
ontime7	8355.3021509945
ontime8	3228.0718958974
ontime9	3098.4303260744
l1events	1554929

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	153392	419121	178494	450635	184437	168850
rejected events	25216	74199	25328	65082	27656	25689
rejected %	16%	17%	14%	14%	14%	15%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	75854	38394	84587	69748	87717	80243
	49%	9%	47%	15%	47%	47%
grade 1 events	594	130	413	161	447	477
	0%	0%	0%	0%	0%	0%
grade 2 events	20115	168358	26867	119247	27565	24573
	13%	40%	15%	26%	14%	14%
grade 3 events	8580	10669	9479	28452	9971	9226
	5%	2%	5%	6%	5%	5%
grade 4 events	8618	10460	9584	28052	10055	9201
	5%	2%	5%	6%	5%	5%
grade 5 events	1494	7497	1672	7828	1931	1767
	0%	1%	0%	1%	1%	1%
grade 6 events	16270	121162	24394	144664	23085	21282
	10%	28%	13%	32%	12%	12%
grade 7 events	21867	62451	21498	52483	23666	22081
	14%	14%	12%	11%	12%	13%

## 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	299.0349481682183	Alternating exposures requested	N	N
Pointing Dec	0	-46.01512267492554	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	295.2543729570273			
SIM focus pos (mm)	-0.684267	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-190.132523	250.4635187648994			
SIM translation stage offset (mm)	0	-0.007540371344731511			
Observation start time	148527865.657845	148527864.63313			
Observation start date	2002-09-16T01:44:26	2002-09-16T01:44:24			
Observation end time	148551885.508838	148551884.48412			
Observation end date	2002-09-16T08:24:46	2002-09-16T08:24:44			
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)	2006.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2579301

## A.2 Comments

The ACIS focal plane temperature was above calibration limits for the entire observation.