

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 62308 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 24 2009

## 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	Star Slots . . . . .	6
2.4	FID Slots . . . . .	6
<b>A</b>	<b>Summary</b>	<b>7</b>
A.1	Status . . . . .	7
A.2	Comments . . . . .	7

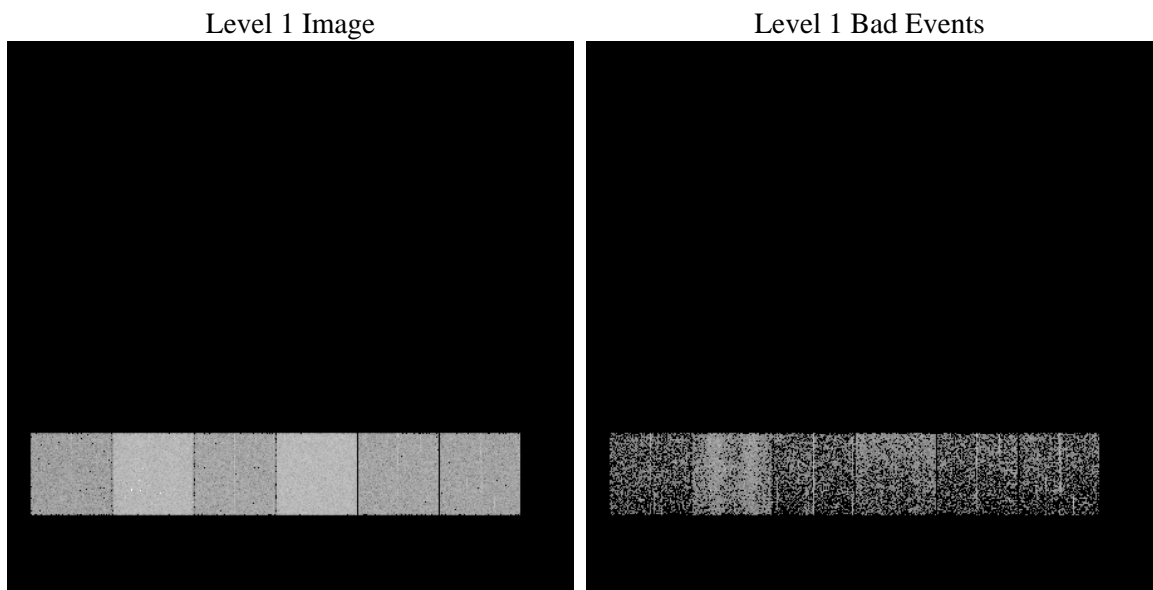
# 1 Front

seq_num	&#160	Sequence number
obs_id	62308	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	325.02233255443	Nominal RA
dec_nom	-30.026843942444	Nominal Dec
roll_nom	288.08983651475	Nominal Roll
revision	4	Processing version of data
ontime	571.16697598249	Sum of GTIs [s]
livetime	563.93451581713	Livetime [s]
ontime4	247.06509014964	Sum of GTIs [s]
ontime5	593.85367742181	Sum of GTIs [s]
ontime6	285.95745050162	Sum of GTIs [s]
ontime7	571.16697598249	Sum of GTIs [s]
ontime8	274.07606909424	Sum of GTIs [s]
ontime9	266.51127032936	Sum of GTIs [s]
l2events	193095	Number of level 2 events

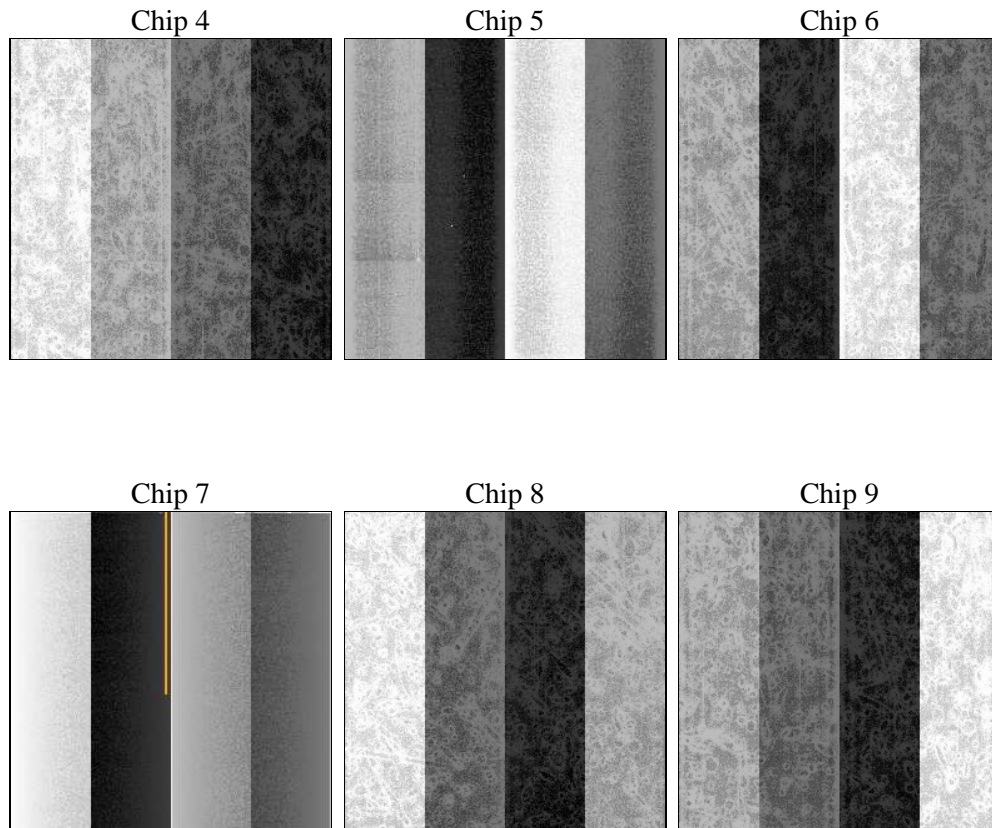
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number		
ascdsver	8.1.1	ASCDS version number		
caldbver	4.1.4	&#160		
date	2009-11-24T10:57:53	Date and time of file creation		
revision	3	Processing version of data		
			sched_exp_time	0.0
			ontime	571.16697598249
			ontime4	247.06509014964
			ontime5	593.85367742181
			ontime6	285.95745050162
			ontime7	571.16697598249
			ontime8	274.07606909424
			ontime9	266.51127032936
			l1events	229485

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	24750	57740	30314	59382	29508	27791
rejected events	3765	9581	4344	5821	4281	4125
rejected %	15%	16%	14%	9%	14%	14%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	4848	5331	7046	9554	8871	7324
	19%	9%	23%	16%	30%	26%
grade 1 events	19	22	20	27	35	39
	0%	0%	0%	0%	0%	0%
grade 2 events	11318	18620	12295	14940	10021	10437
	45%	32%	40%	25%	33%	37%
grade 3 events	473	2484	757	4615	939	746
	1%	4%	2%	7%	3%	2%
grade 4 events	454	2079	754	4164	919	793
	1%	3%	2%	7%	3%	2%
grade 5 events	225	1060	225	869	258	231
	0%	1%	0%	1%	0%	0%
grade 6 events	3892	19645	5118	20288	4477	4366
	15%	34%	16%	34%	15%	15%
grade 7 events	3521	8499	4099	4925	3988	3855
	14%	14%	13%	8%	13%	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	325.0223325544322	Alternating exposures requested	N	N
Pointing Dec	0	-30.02684394244361	Primary exposure time	3.2	3.2
Pointing Roll	0.0	288.0898365147539			
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	59206770.688938	59206769.920518			
Observation start date	1999-11-17T06:19:31	1999-11-17T06:19:29			
Observation end time	59209726.789045	59209726.020625			
Observation end date	1999-11-17T07:08:47	1999-11-17T07:08:46			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.57116697598249

## A.2 Comments

This observation was acquired with the focal plane temperature raised from -120C to -110C, for attempted recalibration of ACIS for the 1999-09-16 through 2000-01-28 period. This reprocessing of the data applies no CTI correction because none is available for that temperature.