

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 62297 - 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

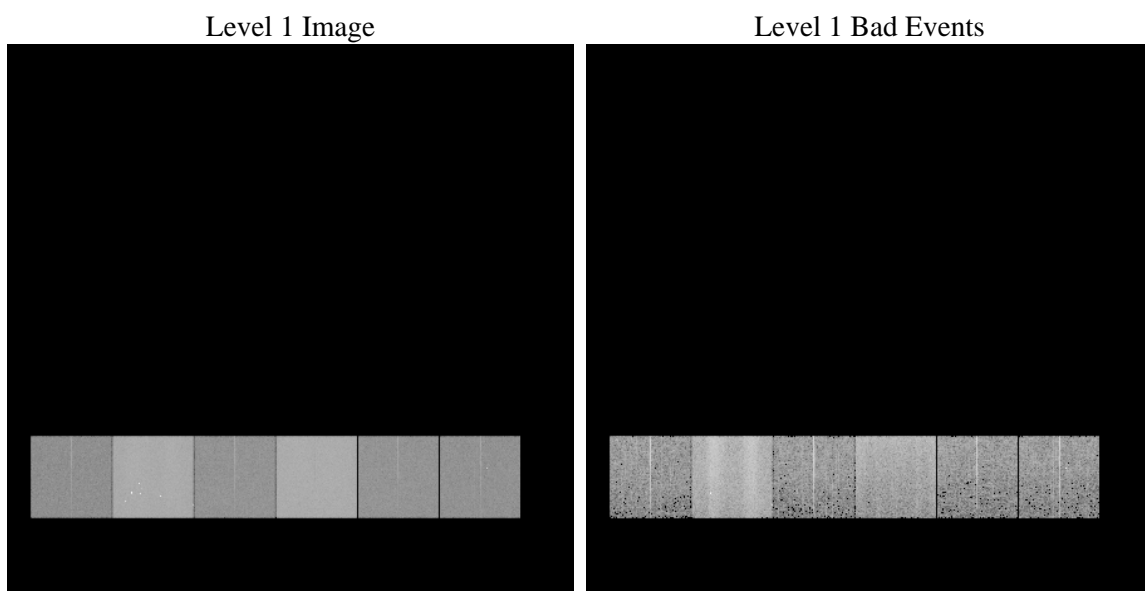
# 1 Front

seq_num	&#160	Sequence number
obs_id	62297	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	25.536861383897	Nominal RA
dec_nom	-51.009841500208	Nominal Dec
roll_nom	325.14187031515	Nominal Roll
revision	4	Processing version of data
ontime	4023.4220112711	Sum of GTIs [s]
livetime	3972.4750191505	Livetime [s]
ontime4	1521.7806017548	Sum of GTIs [s]
ontime5	4257.1247269884	Sum of GTIs [s]
ontime6	1696.7555325925	Sum of GTIs [s]
ontime7	4023.4220112711	Sum of GTIs [s]
ontime8	1696.837662451	Sum of GTIs [s]
ontime9	1635.052762188	Sum of GTIs [s]
l2events	1280715	Number of level 2 events

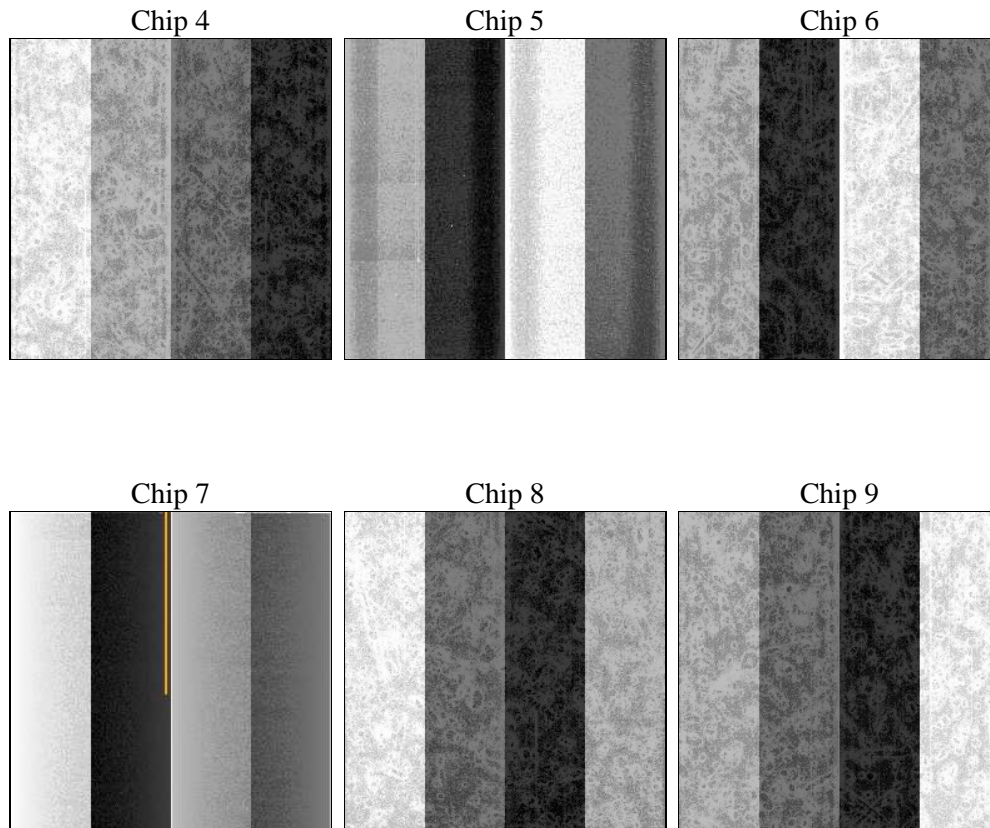
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	152695	414075	180428	421426	181559	168891
rejected events	26035	68888	27254	44455	26008	25981
rejected %	17%	16%	15%	10%	14%	15%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	29801	40226	42887	67724	54299	43845
	19%	9%	23%	16%	29%	25%
grade 1 events	120	156	154	170	245	194
	0%	0%	0%	0%	0%	0%
grade 2 events	67999	134067	72097	107049	62564	63686
	44%	32%	39%	25%	34%	37%
grade 3 events	2985	18063	4353	32680	5772	4552
	1%	4%	2%	7%	3%	2%
grade 4 events	2964	15700	4400	29117	5700	4523
	1%	3%	2%	6%	3%	2%
grade 5 events	1272	6981	1562	6057	1626	1533
	0%	1%	0%	1%	0%	0%
grade 6 events	23454	138973	30062	142707	27872	27110
	15%	33%	16%	33%	15%	16%
grade 7 events	24100	59909	24913	35922	23481	23448
	15%	14%	13%	8%	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	25.53686138389715	Alternating exposures requested	N	N
Pointing Dec	0	-51.00984150020776	Primary exposure time	3.2	3.2
Pointing Roll	0.0	325.1418703151498			
SIM focus pos (mm)	-0.684267	-1.038866356238299			
SIM defocus (mm)	0	0.4944702831659975			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	60117091.671943	60117090.903412			
Observation start date	1999-11-27T19:11:32	1999-11-27T19:11:30			
Observation end time	60126890.672299	60126889.903766			
Observation end date	1999-11-27T21:54:51	1999-11-27T21:54:49			
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	4.0234220112711

## 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.