

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58309 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 28 2012

## 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

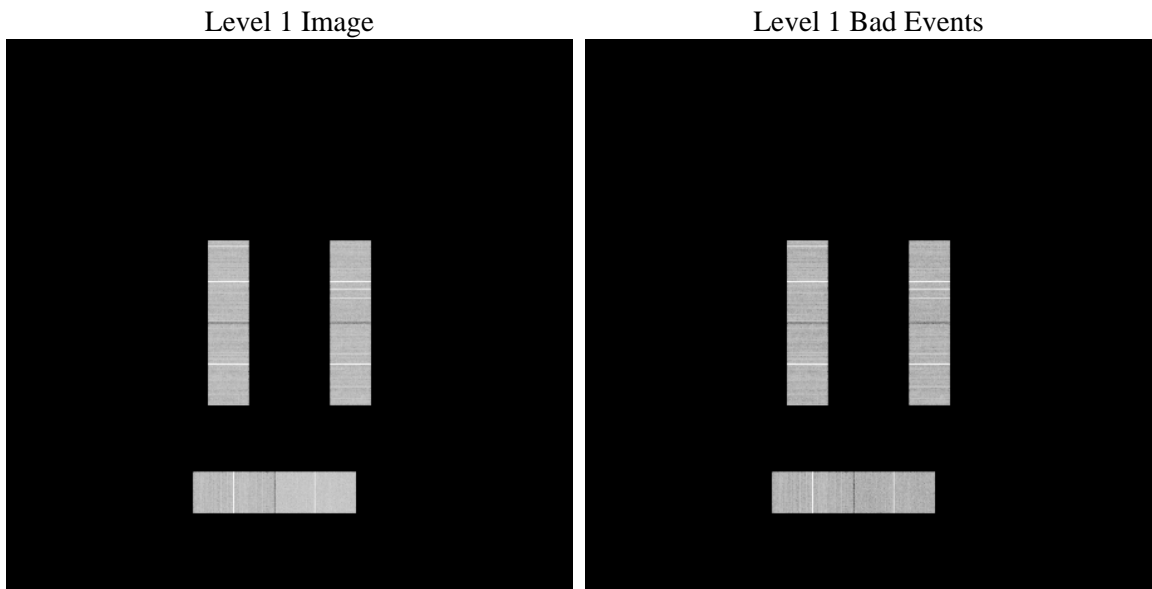
# 1 Front

seq_num	&#160	Sequence number
obs_id	58309	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	291.98066070426	Nominal RA [deg]
dec_nom	6.4786593293186	Nominal Dec [deg]
roll_nom	195.13464627764	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5167.0	Sum of GTIs [s]
livetime	5146.81640625	Livetime [s]
ontime0	3190.5303096175	Sum of GTIs [s]
ontime1	3356.8757197261	Sum of GTIs [s]
ontime2	3108.8161874413	Sum of GTIs [s]
ontime3	3348.1212627292	Sum of GTIs [s]
ontime6	3403.5693293214	Sum of GTIs [s]
ontime7	5167.0	Sum of GTIs [s]
l2events	229377	Number of level 2 events

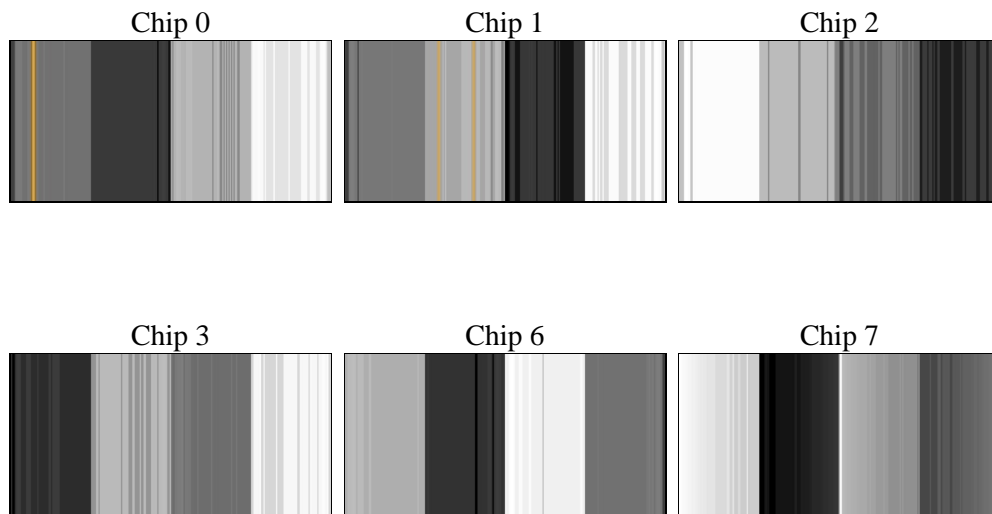
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5167.0	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	3190.5303096175	Sum of GTIs [s]
date	2012-04-28T14:20:37	Date and time of file creation	ontime1	3356.8757197261	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3108.8161874413	Sum of GTIs [s]
			ontime3	3348.1212627292	Sum of GTIs [s]
			ontime6	3403.5693293214	Sum of GTIs [s]
			ontime7	5167.0	Sum of GTIs [s]
			l1events	901039	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	145014	145620	139020	142174	144630	184581	grade 0 events	5546	5196	5059	5520	4661	15370
rejected events	118283	115519	113014	111833	112567	88523		3%	3%	3%	3%	3%	8%
rejected %	81%	79%	81%	78%	77%	47%	grade 1 events	41	48	46	42	46	104
								0%	0%	0%	0%	0%	0%
							grade 2 events	25758	27786	25884	28143	29870	28904
								17%	19%	18%	19%	20%	15%
							grade 3 events	1268	1111	1140	1363	1171	6672
								0%	0%	0%	0%	0%	3%
							grade 4 events	1197	1138	1112	1202	1140	6711
								0%	0%	0%	0%	0%	3%
							grade 5 events	1423	1573	1422	1693	1707	7102
								0%	1%	1%	1%	1%	3%
							grade 6 events	9004	9499	8670	9360	10296	38506
								6%	6%	6%	6%	7%	20%
							grade 7 events	100777	99269	95687	94851	95739	81212
								69%	68%	68%	66%	66%	43%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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
[deg] Pointing RA	0	291.9806607042554	Alternating exposures requested	N	N
[deg] Pointing Dec	0	6.478659329318609	[s] Primary exposure time	0	0
[deg] Pointing Roll	0.0	195.1346462776431			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	301334983.231223	301334982.20622			
Observation start date	2007-07-20T16:09:43	2007-07-20T16:09:42			
[s] Observation end time (MET)	301376932.383233	301376931.35823			
Observation end date	2007-07-21T03:48:52	2007-07-21T03:48:51			
Read mode	CONTINUOUS	CONTINUOUS			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.167

### A.2 Comments