

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61946 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 1 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

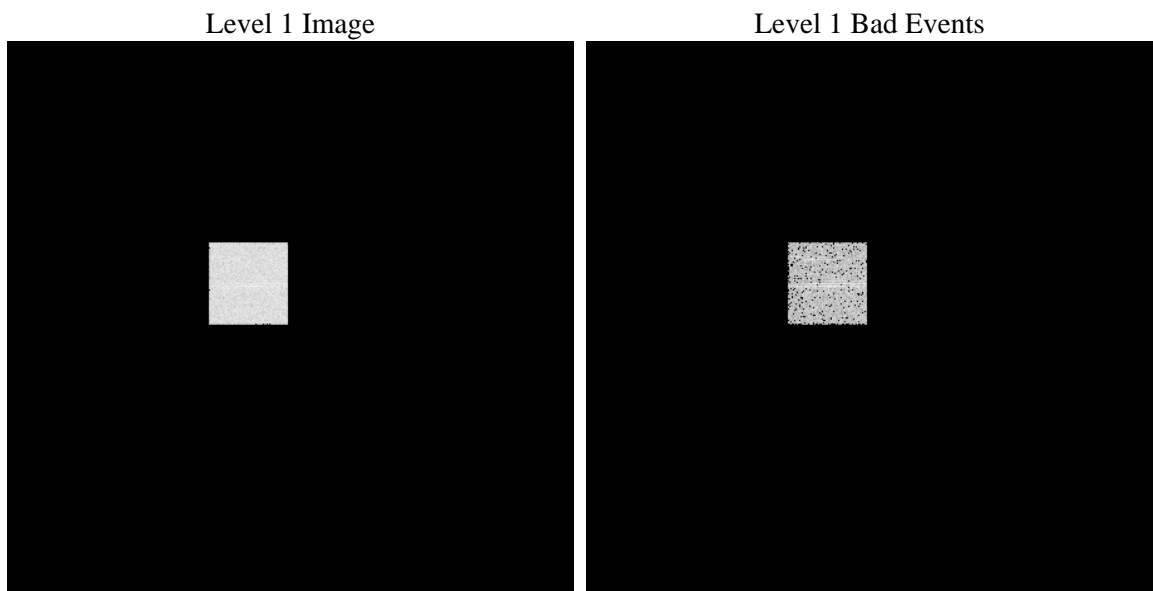
# 1 Front

seq_num	&#160	Sequence number
obs_id	61946	Observation id
title	ACIS-0 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 [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	247.45282021597	Nominal RA [deg]
dec_nom	-31.376692377806	Nominal Dec [deg]
roll_nom	261.22489485385	Nominal Roll [deg]
revision	3	Processing version of data
ontime	481.79999957979	Sum of GTIs [s]
livetime	475.88176095267	Livetime [s]
ontime0	481.79999957979	Sum of GTIs [s]
l2events	32714	Number of level 2 events

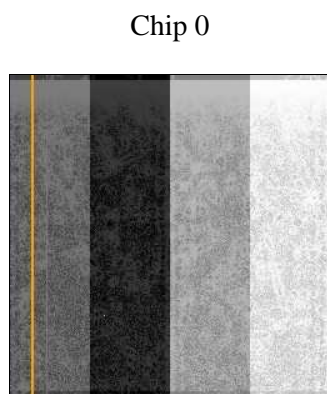
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	481.79999957979	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	481.79999957979	Sum of GTIs [s]
date	2012-09-01T07:36:43	Date and time of file creation	l1events	48705	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 0</b>
level 1 events	48705
rejected events	12610
rejected %	25%

	<b>ccd 0</b>
grade 0 events	24249
	49%
grade 1 events	140
	0%
grade 2 events	7722
	15%
grade 3 events	2770
	5%
grade 4 events	2776
	5%
grade 5 events	326
	0%
grade 6 events	6381
	13%
grade 7 events	4341
	8%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0	ACIS-0	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
[deg] Pointing RA	0	247.4528202159705	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-31.37669237780603	[s] Primary exposure time	0.000000	3.3
[deg] Pointing Roll	0.0	261.2248948538499			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	84290194.463	84290193.694225			
Observation start date	2000-09-02T13:56:34	2000-09-02T13:56:33			
[s] Observation end time (MET)	84291885.713	84291884.944288			
Observation end date	2000-09-02T14:24:46	2000-09-02T14:24:44			
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)	2012.09.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.48179999957979

### A.2 Comments

'Squeegy mode' diagnostic observation; bias map is non-standard.