

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57484 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 24 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

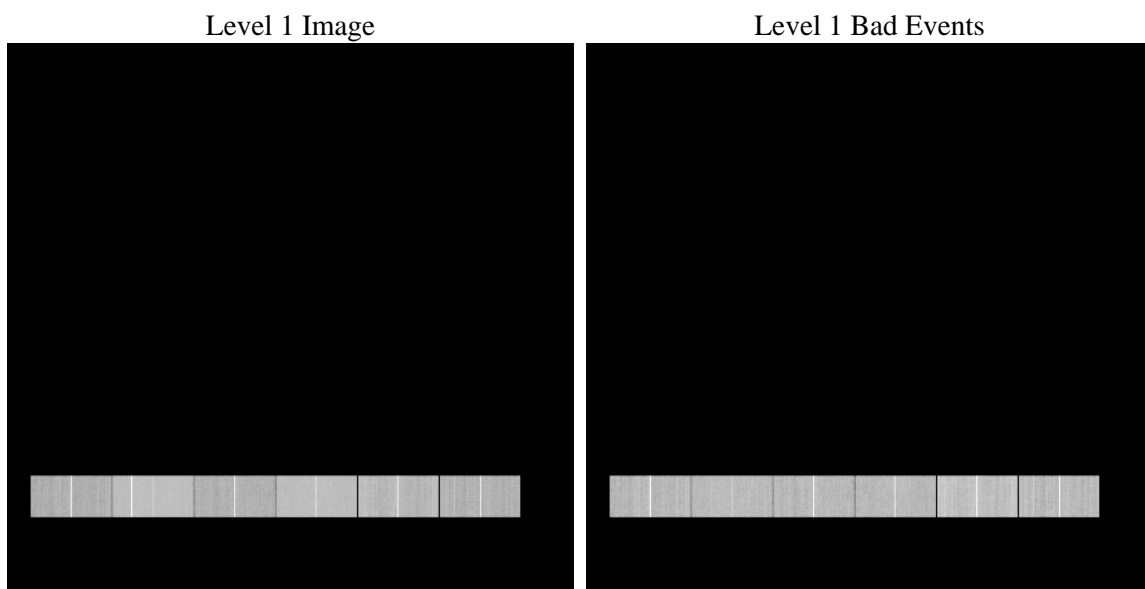
# 1 Front

seq_num	&#160	Sequence number
obs_id	57484	Observation id
title	ACIS-456789 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	63.022793331858	Nominal RA [deg]
dec_nom	-3.4813240049718	Nominal Dec [deg]
roll_nom	7.3465363506437	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8371.5	Sum of GTIs [s]
livetime	8338.798828125	Livetime [s]
ontime4	4509.794608295	Sum of GTIs [s]
ontime5	8371.5	Sum of GTIs [s]
ontime6	4989.8672583103	Sum of GTIs [s]
ontime7	8371.5	Sum of GTIs [s]
ontime8	5062.8261044621	Sum of GTIs [s]
ontime9	4903.7751230597	Sum of GTIs [s]
l2events	351438	Number of level 2 events

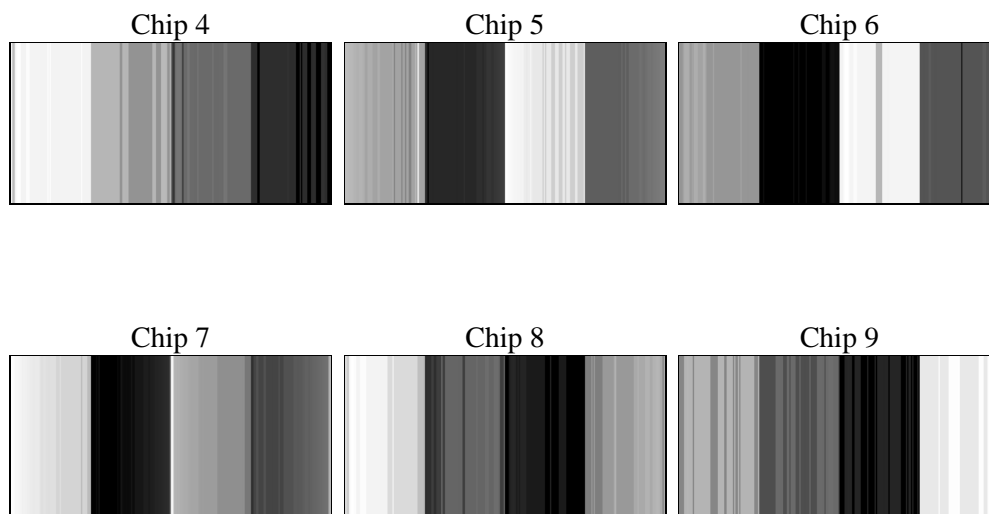
## 2 OBI

### 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	8371.5	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	4509.794608295	Sum of GTIs [s]
date	2012-05-24T16:59:46	Date and time of file creation	ontime5	8371.5	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4989.8672583103	Sum of GTIs [s]
			ontime7	8371.5	Sum of GTIs [s]
			ontime8	5062.8261044621	Sum of GTIs [s]
			ontime9	4903.7751230597	Sum of GTIs [s]
			l1events	1442300	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	187188	319364	197484	278447	254991	204826	grade 0 events	5175	35370	5133	16520	10218	5413
rejected events	162187	156259	165370	153127	215505	174852		2%	11%	2%	5%	4%	2%
rejected %	86%	48%	83%	54%	84%	85%	grade 1 events	75	185	73	151	126	66
								0%	0%	0%	0%	0%	0%
							grade 2 events	27844	63302	32289	38338	34202	30454
								14%	19%	16%	13%	13%	14%
							grade 3 events	1423	2911	1568	7891	2845	1476
								0%	0%	0%	2%	1%	0%
							grade 4 events	1465	2854	1517	7666	2734	1590
								0%	0%	0%	2%	1%	0%
							grade 5 events	2503	9761	2683	11173	3701	2786
								1%	3%	1%	4%	1%	1%
							grade 6 events	8939	58744	11514	54982	14257	11121
								4%	18%	5%	19%	5%	5%
							grade 7 events	139764	146237	142707	141726	186908	151920
								74%	45%	72%	50%	73%	74%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	63.0227933318581	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-3.481324004971762	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	7.346536350643674	[s] Primary exposure time	0	0
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	343867177.110178	343867176.08517			
Observation start date	2008-11-23T22:39:37	2008-11-23T22:39:36			
[s] Observation end time (MET)	343889409.361276	343889408.33626			
Observation end date	2008-11-24T04:50:09	2008-11-24T04:50:08			
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)	2012.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3715

### A.2 Comments