

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58425 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 23 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

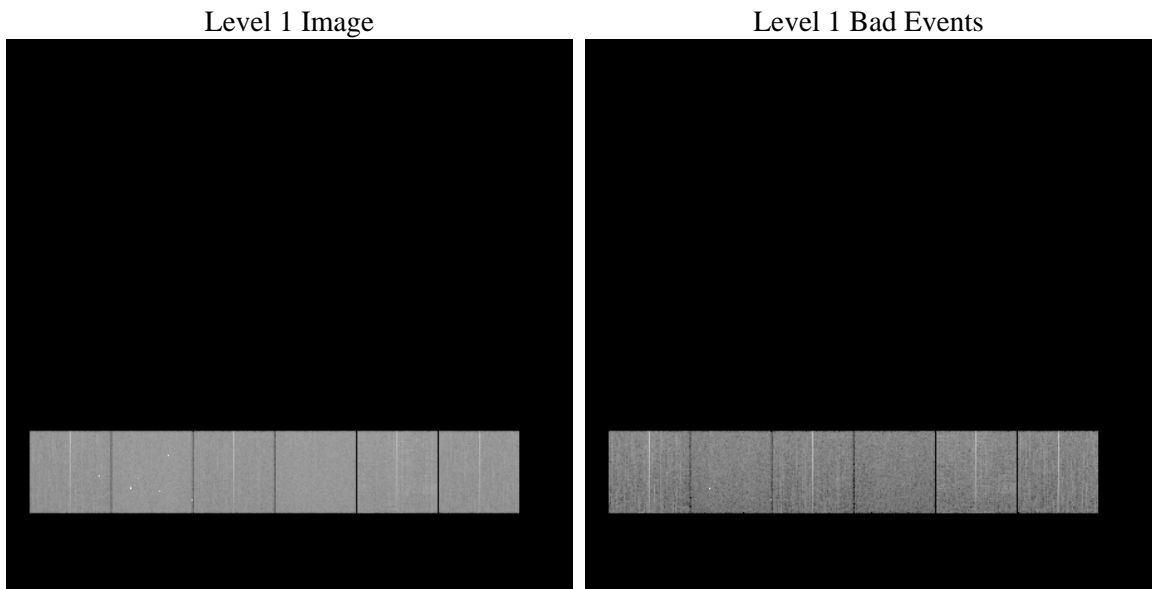
# 1 Front

seq_num	&#160	Sequence number
obs_id	58425	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 [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	243.97330749723	Nominal RA [deg]
dec_nom	7.0138974027707	Nominal Dec [deg]
roll_nom	118.94117144356	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8271.999969244	Sum of GTIs [s]
livetime	8167.254924833	Livetime [s]
ontime4	8271.999969244	Sum of GTIs [s]
ontime5	8271.999969244	Sum of GTIs [s]
ontime6	8271.999969244	Sum of GTIs [s]
ontime7	8271.999969244	Sum of GTIs [s]
ontime8	8271.999969244	Sum of GTIs [s]
ontime9	8271.999969244	Sum of GTIs [s]
l2events	774708	Number of level 2 events

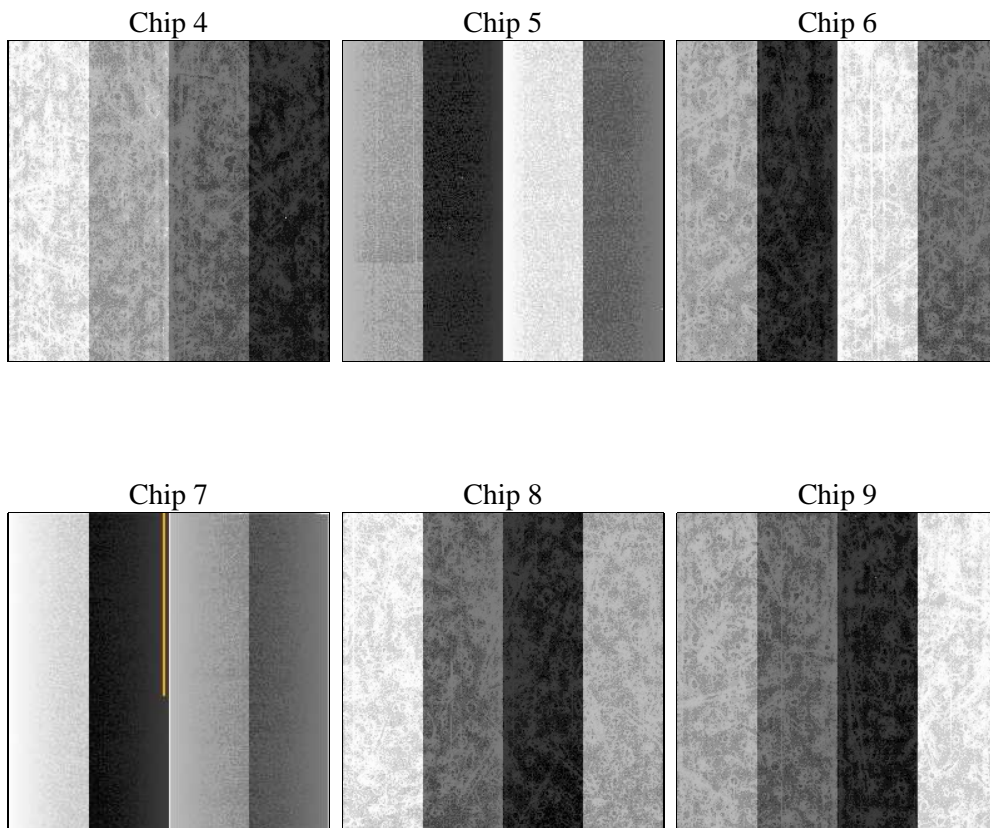
## 2 OBI

### 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	8271.999969244	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8271.999969244	Sum of GTIs [s]
date	2012-04-23T20:45:19	Date and time of file creation	ontime5	8271.999969244	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8271.999969244	Sum of GTIs [s]
			ontime7	8271.999969244	Sum of GTIs [s]
			ontime8	8271.999969244	Sum of GTIs [s]
			ontime9	8271.999969244	Sum of GTIs [s]
			l1events	1289300	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	203454	226189	205581	224174	226477	203425	grade 0 events	71351	28446	70072	33843	73934	68053
rejected events	80295	71829	74867	64106	83502	77919		35%	12%	34%	15%	32%	33%
rejected %	39%	31%	36%	28%	36%	38%	grade 1 events	699	324	433	191	467	504
								0%	0%	0%	0%	0%	0%
							grade 2 events	19402	55353	22699	34726	25918	21862
								9%	24%	11%	15%	11%	10%
							grade 3 events	8485	7781	8439	15587	10051	8303
								4%	3%	4%	6%	4%	4%
							grade 4 events	8252	7491	8301	15566	9766	8252
								4%	3%	4%	6%	4%	4%
							grade 5 events	4095	10409	4331	10753	5469	4877
								2%	4%	2%	4%	2%	2%
							grade 6 events	15714	55360	21259	60418	23383	19076
								7%	24%	10%	26%	10%	9%
							grade 7 events	75456	61025	70047	53090	77489	72498
								37%	26%	34%	23%	34%	35%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	243.9733074972271
[deg] Pointing Dec	0	7.013897402770719
[deg] Pointing Roll	0.0	118.9411714435566
[mm] SIM focus pos	-0.684267	-1.038866356238299
[mm] SIM defocus	0	0.4944702831659975
[mm] SIM translation stage pos	-190.132523	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	293608760.411873	293608759.38688
Observation start date	2007-04-22T05:59:20	2007-04-22T05:59:19
[s] Observation end time (MET)	293631043.912935	293631042.88794
Observation end date	2007-04-22T12:10:44	2007-04-22T12:10:42
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.271999969244

### A.2 Comments