

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58381 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 25 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

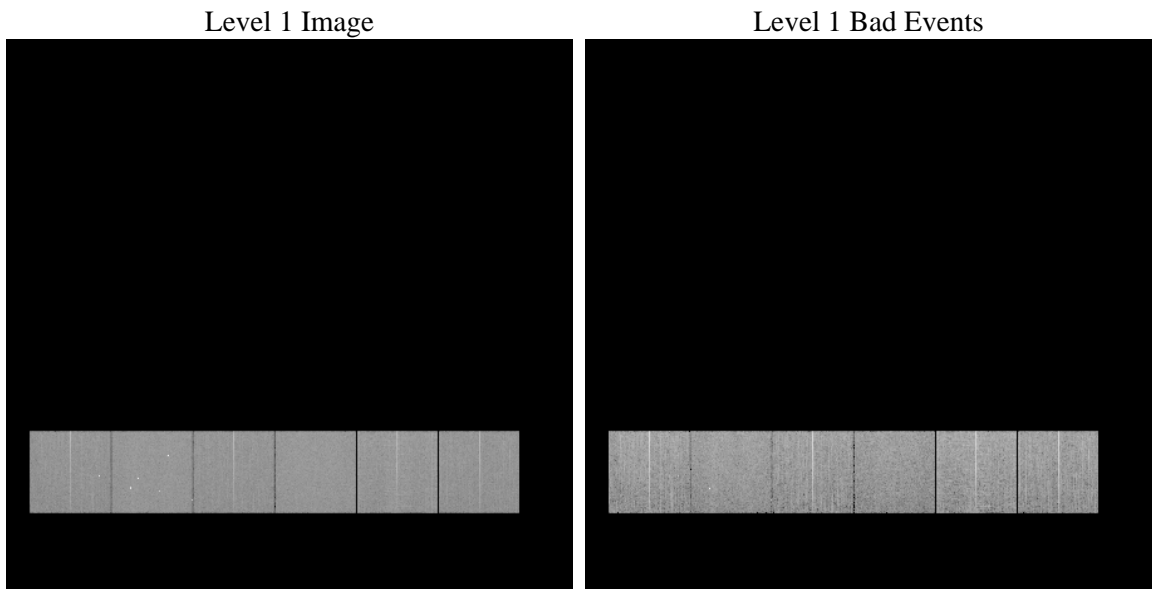
# 1 Front

seq_num	&#160	Sequence number
obs_id	58381	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	210.41508868151	Nominal RA [deg]
dec_nom	-26.99537332534	Nominal Dec [deg]
roll_nom	274.61256251933	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7793.9838405252	Sum of GTIs [s]
livetime	7695.2917241628	Livetime [s]
ontime4	7793.8607205153	Sum of GTIs [s]
ontime5	7793.9428005219	Sum of GTIs [s]
ontime6	7790.6607602835	Sum of GTIs [s]
ontime7	7793.9838405252	Sum of GTIs [s]
ontime8	7793.819680512	Sum of GTIs [s]
ontime9	7794.0248805285	Sum of GTIs [s]
l2events	733080	Number of level 2 events

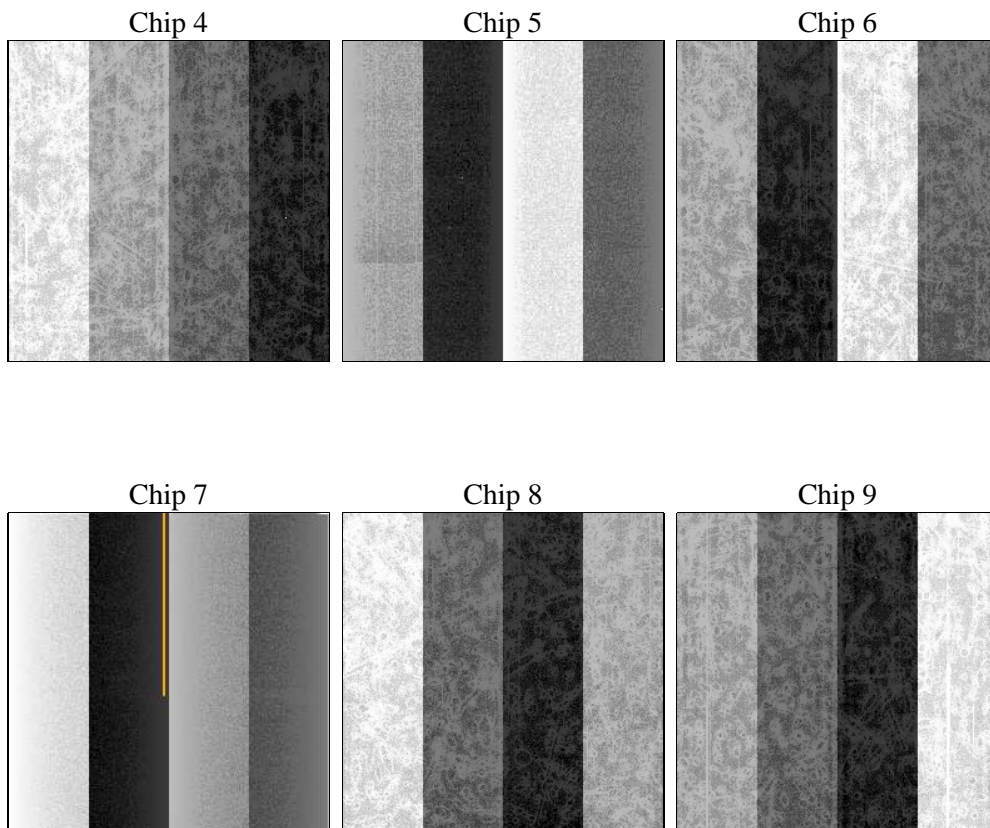
## 2 OBI

### 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	7793.9838405252	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7793.8607205153	Sum of GTIs [s]
date	2012-04-25T10:56:04	Date and time of file creation	ontime5	7793.9428005219	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7790.6607602835	Sum of GTIs [s]
			ontime7	7793.9838405252	Sum of GTIs [s]
			ontime8	7793.819680512	Sum of GTIs [s]
			ontime9	7794.0248805285	Sum of GTIs [s]
			l1events	1215663	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	190926	212748	194282	211001	214059	192647	grade 0 events	66972	28523	65811	32334	69294	64678
rejected events	74191	66208	70026	59880	79006	72623		35%	13%	33%	15%	32%	33%
rejected %	38%	31%	36%	28%	36%	37%	grade 1 events	632	258	425	157	399	491
								0%	0%	0%	0%	0%	0%
							grade 2 events	18646	51802	22010	33008	24676	20753
								9%	24%	11%	15%	11%	10%
							grade 3 events	7985	7435	8014	14449	9200	7943
								4%	3%	4%	6%	4%	4%
							grade 4 events	7908	7285	8020	14440	9214	7915
								4%	3%	4%	6%	4%	4%
							grade 5 events	3913	9384	4063	9951	5227	4494
								2%	4%	2%	4%	2%	2%
							grade 6 events	15224	51495	20401	56890	22669	18735
								7%	24%	10%	26%	10%	9%
							grade 7 events	69646	56566	65538	49772	73380	67638
								36%	26%	33%	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	210.4150886815125
[deg] Pointing Dec	0	-26.99537332534037
[deg] Pointing Roll	0.0	274.6125625193308
[mm] SIM focus pos	-0.684267	-1.526339935833849
[mm] SIM defocus	0	0.006996703570447904
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	296536293.801622	296536292.77661
Observation start date	2007-05-26T03:11:34	2007-05-26T03:11:32
[s] Observation end time (MET)	296552253.052385	296552252.02737
Observation end date	2007-05-26T07:37:33	2007-05-26T07:37:32
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7939838405252

### A.2 Comments