

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58513 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 20 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

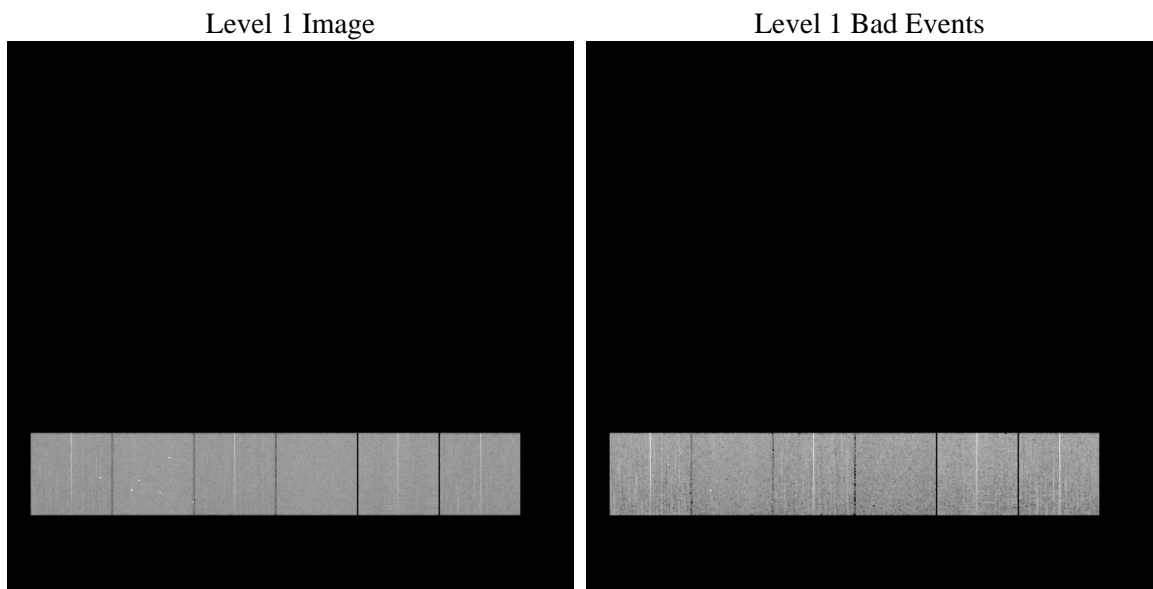
# 1 Front

seq_num	&#160	Sequence number
obs_id	58513	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	189.99481588918	Nominal RA [deg]
dec_nom	-5.9694304528123	Nominal Dec [deg]
roll_nom	64.546825249844	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999692321	Sum of GTIs [s]
livetime	8170.4144044945	Livetime [s]
ontime4	8271.9589690566	Sum of GTIs [s]
ontime5	8275.1999692321	Sum of GTIs [s]
ontime6	8275.1999692321	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
ontime8	8275.1999692321	Sum of GTIs [s]
ontime9	8275.1999692321	Sum of GTIs [s]
l2events	799308	Number of level 2 events

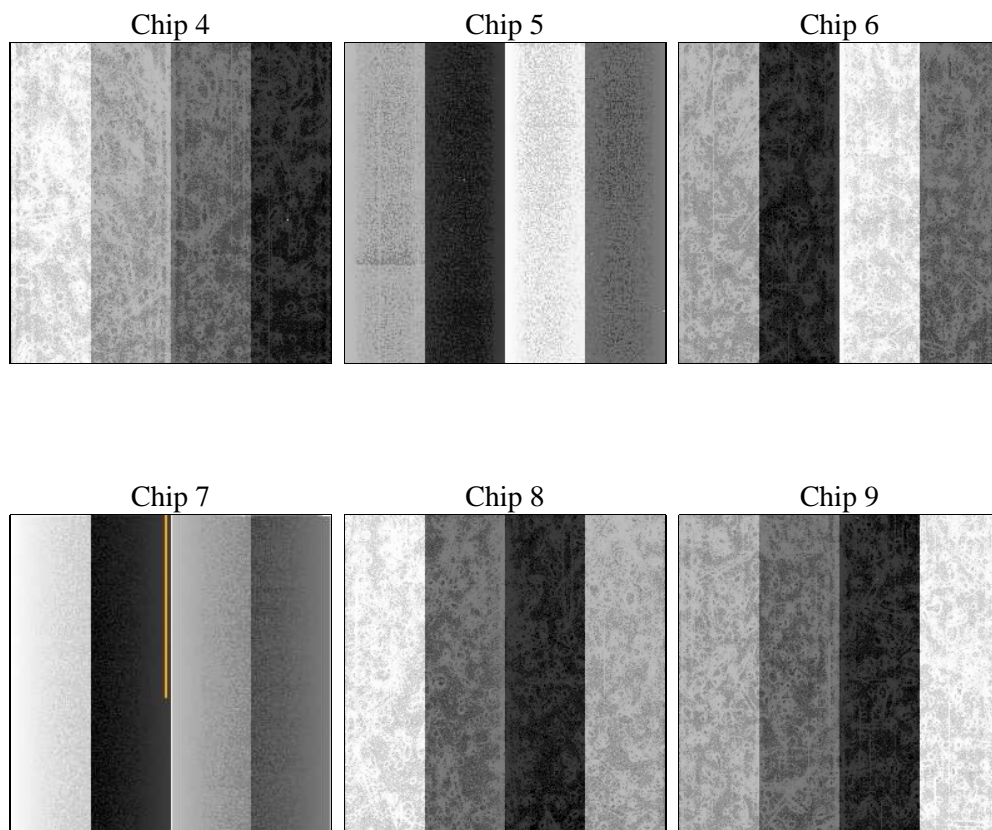
## 2 OBI

### 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	8275.1999692321	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8271.9589690566	Sum of GTIs [s]
date	2012-04-20T16:24:22	Date and time of file creation	ontime5	8275.1999692321	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8275.1999692321	Sum of GTIs [s]
			ontime7	8275.1999692321	Sum of GTIs [s]
			ontime8	8275.1999692321	Sum of GTIs [s]
			ontime9	8275.1999692321	Sum of GTIs [s]
			l1events	1298634	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	205043	226610	209711	224484	225723	207063	grade 0 events	73371	30639	73075	35015	76160	71312
rejected events	77500	68511	73825	61823	79106	75292		35%	13%	34%	15%	33%	34%
rejected %	37%	30%	35%	27%	35%	36%	grade 1 events	653	205	442	178	464	518
								0%	0%	0%	0%	0%	0%
							grade 2 events	20308	56659	23672	35497	26348	22786
								9%	25%	11%	15%	11%	11%
							grade 3 events	8567	8187	8532	15655	9980	8797
								4%	3%	4%	6%	4%	4%
							grade 4 events	8616	7886	8635	15689	9912	8747
								4%	3%	4%	6%	4%	4%
							grade 5 events	4009	9860	4267	10347	5337	4591
								1%	4%	2%	4%	2%	2%
							grade 6 events	16681	54728	21972	60864	24217	20177
								8%	24%	10%	27%	10%	9%
							grade 7 events	72838	58446	69116	51239	73305	70135
								35%	25%	32%	22%	32%	33%

## 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	189.9948158891848
[deg] Pointing Dec	0	-5.9694304528123
[deg] Pointing Roll	0.0	64.54682524984352
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	289038430.744278	289038429.71928
Observation start date	2007-02-28T08:27:11	2007-02-28T08:27:09
[s] Observation end time (MET)	289061704.395384	289061703.37039
Observation end date	2007-02-28T14:55:04	2007-02-28T14:55:03
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)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999692321

### A.2 Comments