

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58459 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Apr 22 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

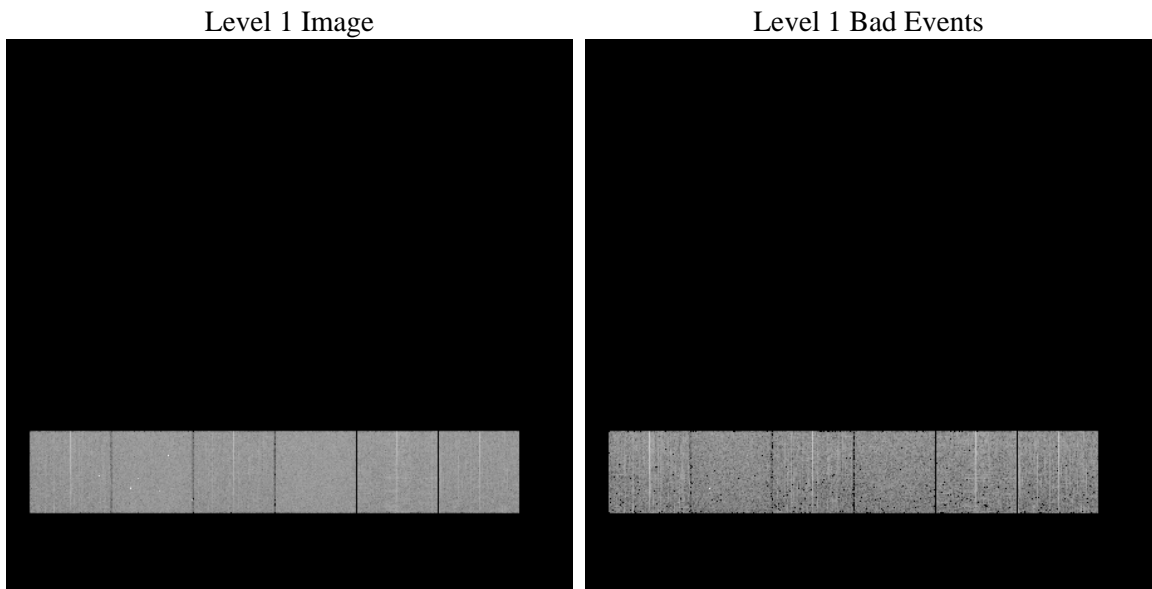
# 1 Front

seq_num	&#160	Sequence number
obs_id	58459	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	199.49474964148	Nominal RA [deg]
dec_nom	5.1371056382034	Nominal Dec [deg]
roll_nom	101.90394887839	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3081.5999885798	Sum of GTIs [s]
livetime	3042.5789140076	Livetime [s]
ontime4	3081.5999885798	Sum of GTIs [s]
ontime5	3081.5999885798	Sum of GTIs [s]
ontime6	3081.5999885798	Sum of GTIs [s]
ontime7	3081.5999885798	Sum of GTIs [s]
ontime8	3081.5999885798	Sum of GTIs [s]
ontime9	3081.5999885798	Sum of GTIs [s]
l2events	305810	Number of level 2 events

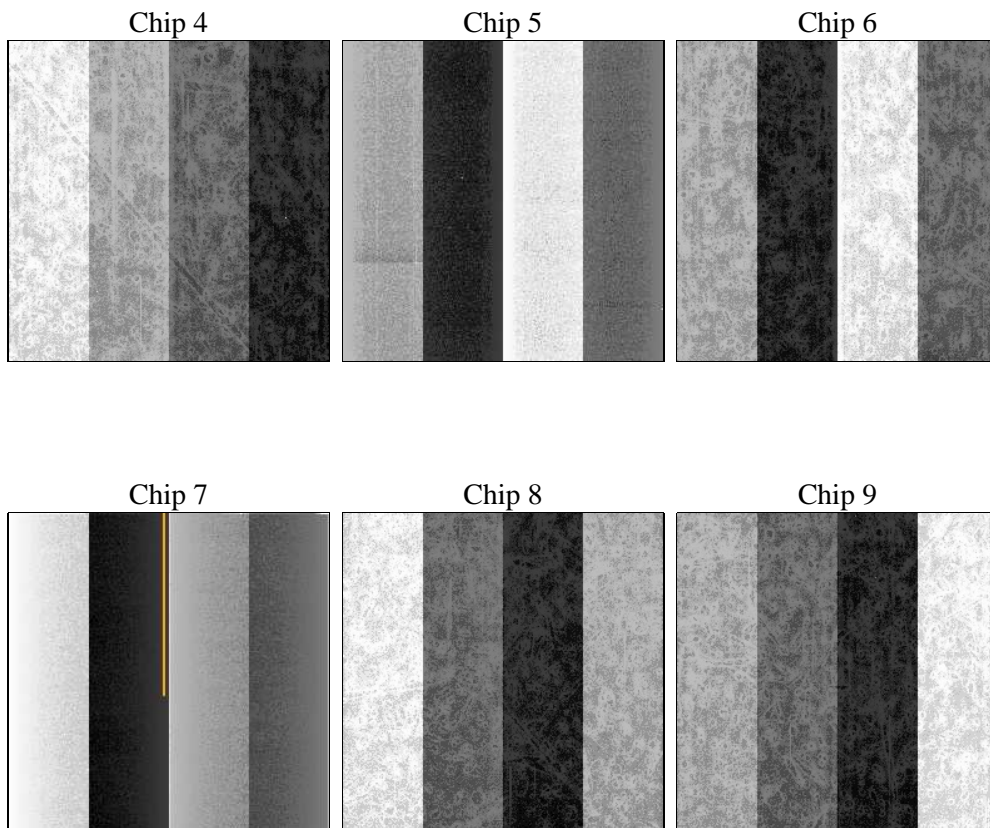
## 2 OBI

### 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	3081.5999885798	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	3081.5999885798	Sum of GTIs [s]
date	2012-04-22T07:40:58	Date and time of file creation	ontime5	3081.5999885798	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3081.5999885798	Sum of GTIs [s]
			ontime7	3081.5999885798	Sum of GTIs [s]
			ontime8	3081.5999885798	Sum of GTIs [s]
			ontime9	3081.5999885798	Sum of GTIs [s]
			l1events	512085	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	82354	87528	82081	89316	88543	82263	grade 0 events	28562	12021	28256	13817	29804	27926
rejected events	33744	27986	30338	26593	32049	31749		34%	13%	34%	15%	33%	33%
rejected %	40%	31%	36%	29%	36%	38%	grade 1 events	259	460	167	79	169	200
								0%	0%	0%	0%	0%	0%
							grade 2 events	7879	21440	9423	14098	10449	9039
								9%	24%	11%	15%	11%	10%
							grade 3 events	3493	3250	3424	6318	3945	3461
								4%	3%	4%	7%	4%	4%
							grade 4 events	3431	3159	3234	6085	3899	3315
								4%	3%	3%	6%	4%	4%
							grade 5 events	1680	3717	1622	4160	2150	1831
								2%	4%	1%	4%	2%	2%
							grade 6 events	6643	21320	8812	24151	9871	8161
								8%	24%	10%	27%	11%	9%
							grade 7 events	30407	22161	27143	20608	28256	28330
								36%	25%	33%	23%	31%	34%

## 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	199.4948037521386	199.4947496414754
[deg] Pointing Dec	5.137072549454507	5.137105638203407
[deg] Pointing Roll	101.9038966060379	101.9039488783892
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	291512696.811976	291512696.811976
Observation start date	2007-03-29T00:14:00	2007-03-28T23:44:56
[s] Observation end time (MET)	291517585.088329	291517585.088329
Observation end date	2007-03-29T00:14:00	2007-03-29T01:06:25
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
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)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0815999885798

### A.2 Comments