

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57189 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 4 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

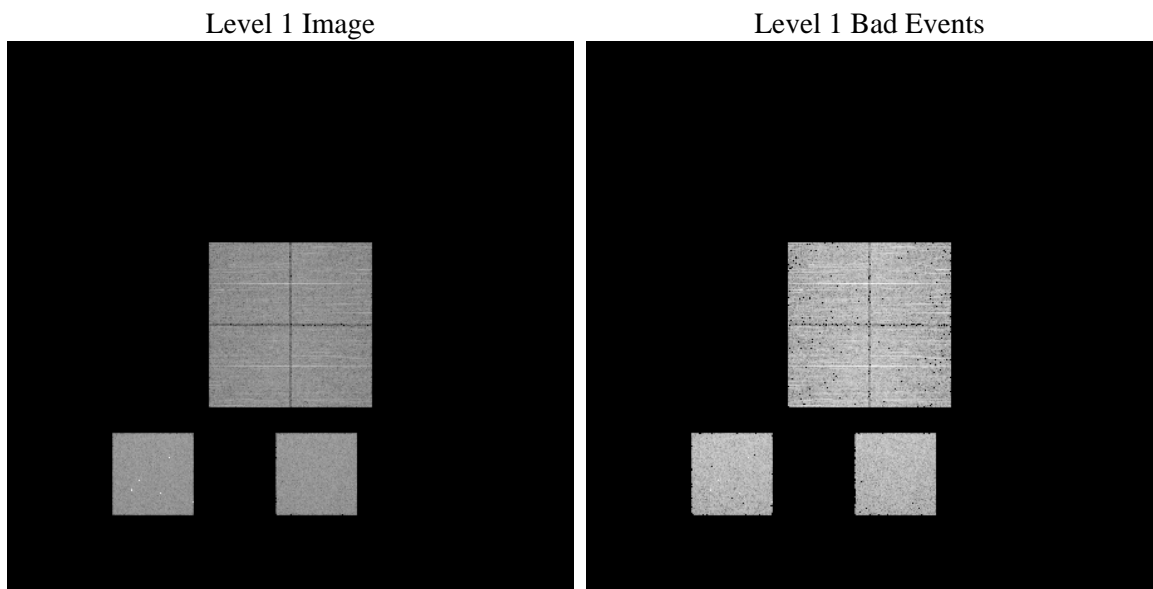
# 1 Front

seq_num	&#160	Sequence number
obs_id	57189	Observation id
title	ACIS-012357 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	219.97453973411	Nominal RA [deg]
dec_nom	4.0134752353828	Nominal Dec [deg]
roll_nom	119.2728414042	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3036.763307333	Sum of GTIs [s]
livetime	2998.3099818162	Livetime [s]
ontime0	3036.7222673297	Sum of GTIs [s]
ontime1	3036.6812273264	Sum of GTIs [s]
ontime2	3036.6401873231	Sum of GTIs [s]
ontime3	3036.7999887466	Sum of GTIs [s]
ontime5	3036.5991473198	Sum of GTIs [s]
ontime7	3036.763307333	Sum of GTIs [s]
l2events	195262	Number of level 2 events

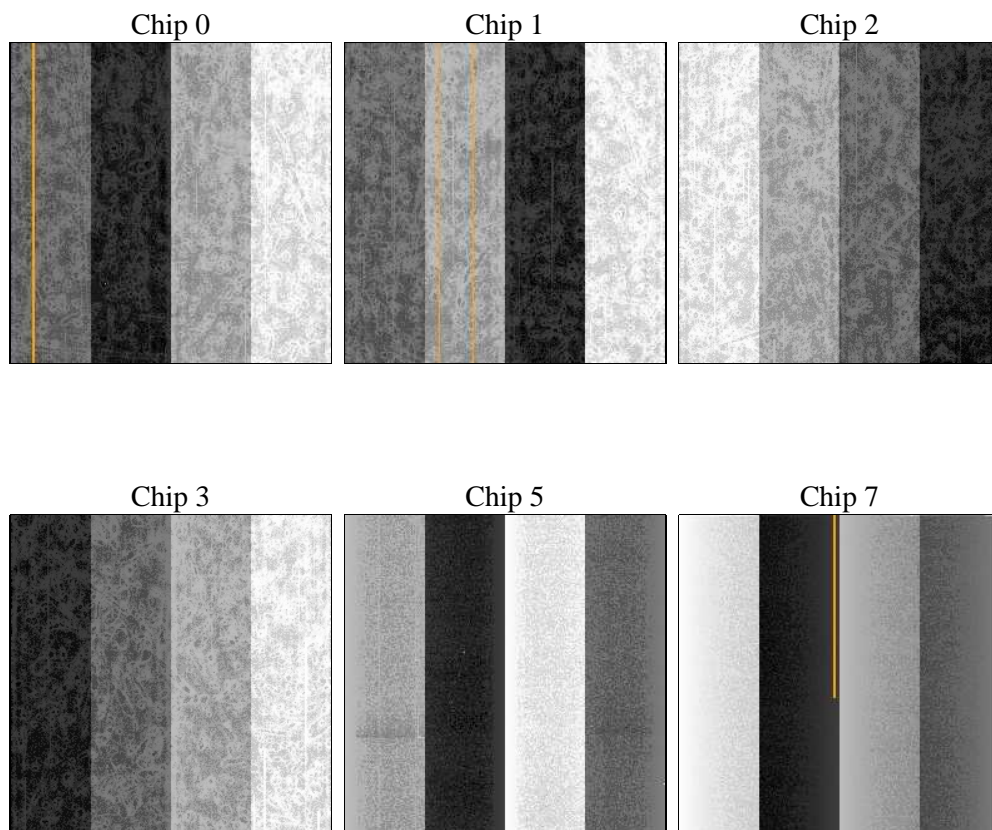
## 2 OBI

### 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	3036.763307333	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	3036.7222673297	Sum of GTIs [s]
date	2012-06-04T03:28:23	Date and time of file creation	ontime1	3036.6812273264	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3036.6401873231	Sum of GTIs [s]
			ontime3	3036.7999887466	Sum of GTIs [s]
			ontime5	3036.5991473198	Sum of GTIs [s]
			ontime7	3036.763307333	Sum of GTIs [s]
			l1events	402132	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	60758	62252	63343	62839	78591	74349	grade 0 events	16901	16821	17384	17324	9415	8741
rejected events	31494	32490	33766	33101	32514	31051		27%	27%	27%	27%	11%	11%
rejected %	51%	52%	53%	52%	41%	41%	grade 1 events	121	109	172	129	158	71
								0%	0%	0%	0%	0%	0%
							grade 2 events	5625	6034	5528	5552	17113	10305
								9%	9%	8%	8%	21%	13%
							grade 3 events	2147	2113	2188	2215	2191	4425
								3%	3%	3%	3%	2%	5%
							grade 4 events	2107	2149	2196	2257	2202	4281
								3%	3%	3%	3%	2%	5%
							grade 5 events	1629	1672	1541	1848	3927	4633
								2%	2%	2%	2%	4%	6%
							grade 6 events	4845	5015	4616	4673	18807	18951
								7%	8%	7%	7%	23%	25%
							grade 7 events	27383	28339	29718	28841	24778	22942
								45%	45%	46%	45%	31%	30%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	219.9745397341136
[deg] Pointing Dec	0	4.013475235382755
[deg] Pointing Roll	0.0	119.2728414041996
[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)	355716792.697378	355716792.697378
Observation start date	2009-04-10T02:13:13	2009-04-10T02:13:12
[s] Observation end time (MET)	355721341.391665	355721341.391665
Observation end date	2009-04-10T03:29:01	2009-04-10T03:29:01
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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.036763307333

### A.2 Comments