

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57572 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 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

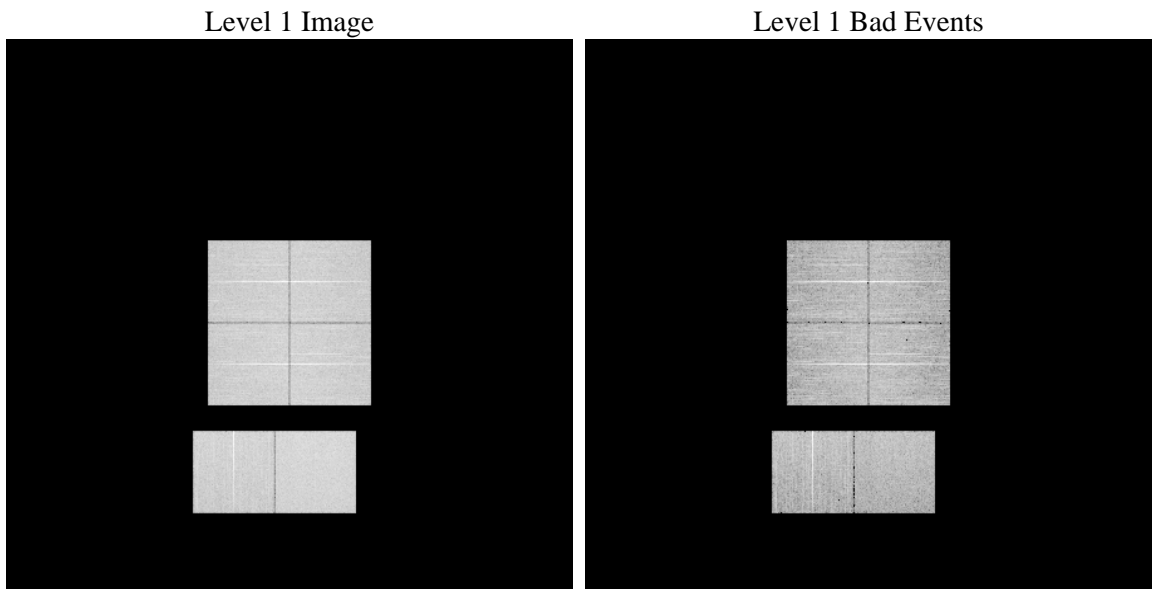
# 1 Front

seq_num	&#160	Sequence number
obs_id	57572	Observation id
title	ACIS-012367 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	1.9847676103146	Nominal RA [deg]
dec_nom	27.478055637744	Nominal Dec [deg]
roll_nom	200.67335452117	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7794.3738363981	Sum of GTIs [s]
livetime	7695.6767816732	Livetime [s]
ontime0	7795.1999710202	Sum of GTIs [s]
ontime1	7795.1999710202	Sum of GTIs [s]
ontime2	7795.1999710202	Sum of GTIs [s]
ontime3	7791.0919056535	Sum of GTIs [s]
ontime6	7791.9590802789	Sum of GTIs [s]
ontime7	7794.3738363981	Sum of GTIs [s]
l2events	547991	Number of level 2 events

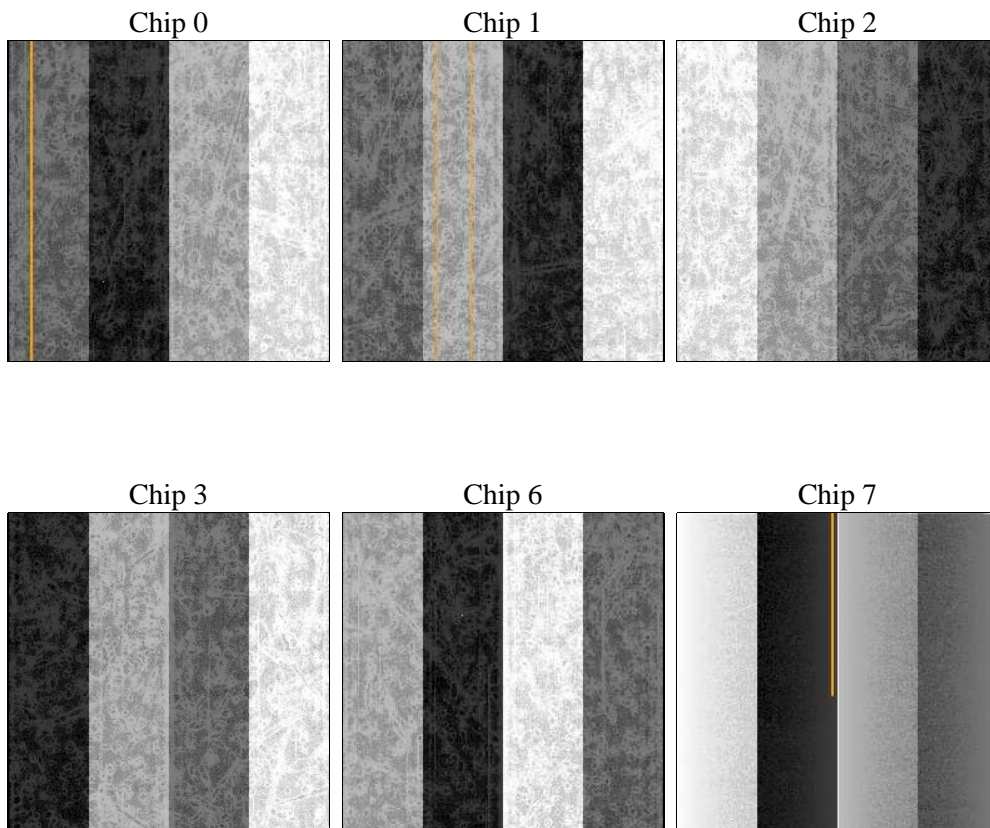
## 2 OBI

### 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	7794.3738363981	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	7795.1999710202	Sum of GTIs [s]
date	2012-05-22T11:35:13	Date and time of file creation	ontime1	7795.1999710202	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7795.1999710202	Sum of GTIs [s]
			ontime3	7791.0919056535	Sum of GTIs [s]
			ontime6	7791.9590802789	Sum of GTIs [s]
			ontime7	7794.3738363981	Sum of GTIs [s]
			l1events	981807	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	155549	153646	160602	161345	163629	187036	grade 0 events	47993	47648	49184	48974	48824	24688
rejected events	65693	63273	70639	71291	69763	62672		30%	31%	30%	30%	29%	13%
rejected %	42%	41%	43%	44%	42%	33%	grade 1 events	341	297	376	382	314	160
								0%	0%	0%	0%	0%	0%
							grade 2 events	16192	16701	15333	15567	16749	26965
								10%	10%	9%	9%	10%	14%
							grade 3 events	5983	5842	6066	6066	6099	11436
								3%	3%	3%	3%	3%	6%
							grade 4 events	5974	5949	6016	6115	6000	11608
								3%	3%	3%	3%	3%	6%
							grade 5 events	3749	3790	3433	4201	4074	10360
								2%	2%	2%	2%	2%	5%
							grade 6 events	13768	14276	13411	13332	16236	49667
								8%	9%	8%	8%	9%	26%
							grade 7 events	61549	59143	66783	66708	65333	52152
								39%	38%	41%	41%	39%	27%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	1.984767610314606
[deg] Pointing Dec	0	27.47805563774439
[deg] Pointing Roll	0.0	200.6733545211652
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	339490223.94435	339490222.91935
Observation start date	2008-10-04T06:50:24	2008-10-04T06:50:22
[s] Observation end time (MET)	339529514.246284	339529513.22128
Observation end date	2008-10-04T17:45:14	2008-10-04T17:45:13
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7943738363981

### A.2 Comments