

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54492 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Aug 28 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

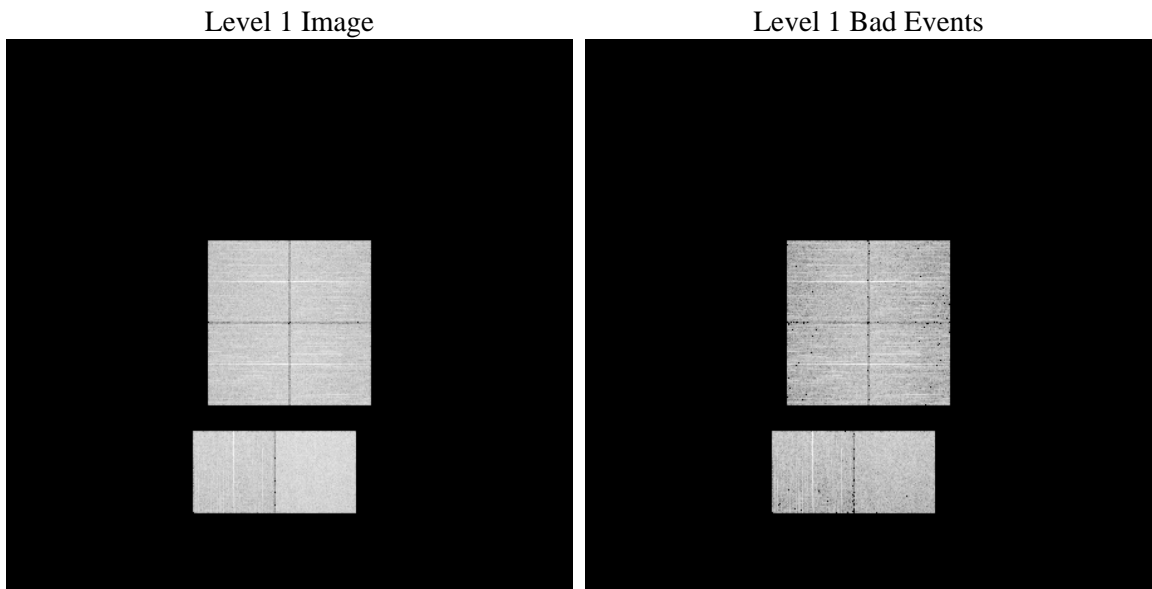
# 1 Front

seq_num	&#160	Sequence number
obs_id	54492	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycycle	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	170.00757654839	Nominal RA [deg]
dec_nom	12.972187330459	Nominal Dec [deg]
roll_nom	251.97071222865	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8239.9470030665	Sum of GTIs [s]
livetime	8135.6078326133	Livetime [s]
ontime0	8142.6747630835	Sum of GTIs [s]
ontime1	8139.3926830888	Sum of GTIs [s]
ontime2	8136.1106030345	Sum of GTIs [s]
ontime3	8129.7926830649	Sum of GTIs [s]
ontime6	8123.1054030657	Sum of GTIs [s]
ontime7	8239.9470030665	Sum of GTIs [s]
l2events	243569	Number of level 2 events

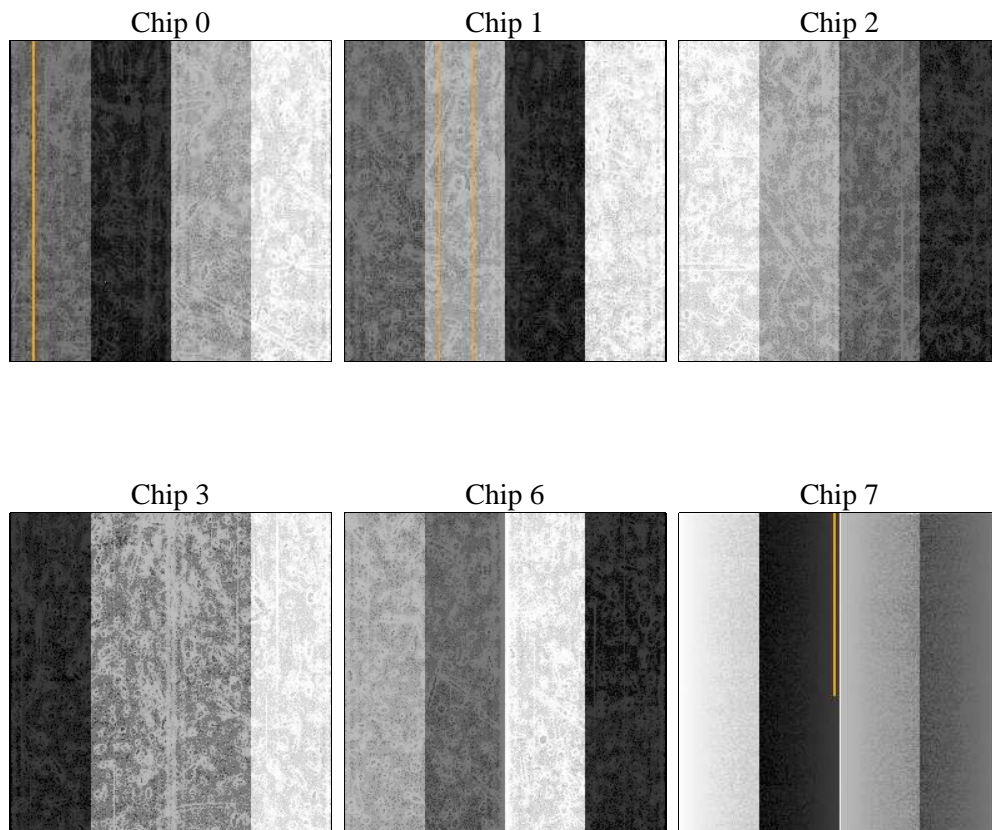
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	8239.9470030665	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime0	8142.6747630835	Sum of GTIs [s]
date	2012-08-28T22:20:12	Date and time of file creation	ontime1	8139.3926830888	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8136.1106030345	Sum of GTIs [s]
			ontime3	8129.7926830649	Sum of GTIs [s]
			ontime6	8123.1054030657	Sum of GTIs [s]
			ontime7	8239.9470030665	Sum of GTIs [s]
			l1events	545490	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	81480	82304	86102	88602	88943	118059	grade 0 events	20131	19417	20433	20561	20324	10676
rejected events	43245	44006	47815	50050	49071	52776		24%	23%	23%	23%	22%	9%
rejected %	53%	53%	55%	56%	55%	44%	grade 1 events	110	103	138	108	93	86
								0%	0%	0%	0%	0%	0%
							grade 2 events	7066	7474	6856	6948	7508	14006
								8%	9%	7%	7%	8%	11%
							grade 3 events	2619	2581	2668	2666	2657	5798
								3%	3%	3%	3%	2%	4%
							grade 4 events	2587	2511	2647	2622	2575	5899
								3%	3%	3%	2%	2%	4%
							grade 5 events	3160	3083	2861	3328	3285	8258
								3%	3%	3%	3%	3%	6%
							grade 6 events	5855	6329	5697	5768	6816	28919
								7%	7%	6%	6%	7%	24%
							grade 7 events	39952	40806	44802	46601	45685	44417
								49%	49%	52%	52%	51%	37%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	170.007576548393	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	12.97218733045916	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	251.9707122286487	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	458340251.471832	458340250.44683			
Observation start date	2012-07-10T20:44:11	2012-07-10T20:44:10			
[s] Observation end time (MET)	458349622.022314	458349620.99731			
Observation end date	2012-07-10T23:20:22	2012-07-10T23:20:20			
Read mode	TIMED	TIMED			

**2.3 Star Slots**

**2.4 FID Slots**

# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2399470030665

## A.2 Comments