

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54194 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Nov 4 2012

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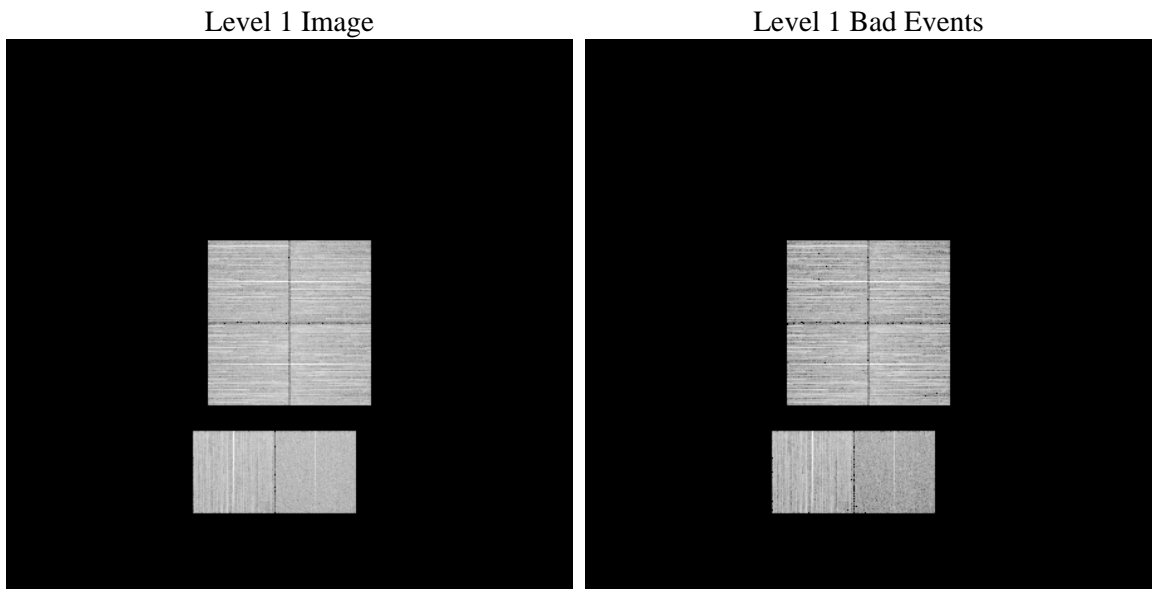
# 1 Front

seq_num	&#160	Sequence number
obs_id	54194	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	59.483244265764	Nominal RA [deg]
dec_nom	13.787527331777	Nominal Dec [deg]
roll_nom	82.889770078253	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6201.4142163992	Sum of GTIs [s]
livetime	6122.8881755478	Livetime [s]
ontime0	6201.3731763959	Sum of GTIs [s]
ontime1	6201.3321363926	Sum of GTIs [s]
ontime2	6201.2910963893	Sum of GTIs [s]
ontime3	6201.4552564025	Sum of GTIs [s]
ontime6	6201.250056386	Sum of GTIs [s]
ontime7	6201.4142163992	Sum of GTIs [s]
l2events	179819	Number of level 2 events

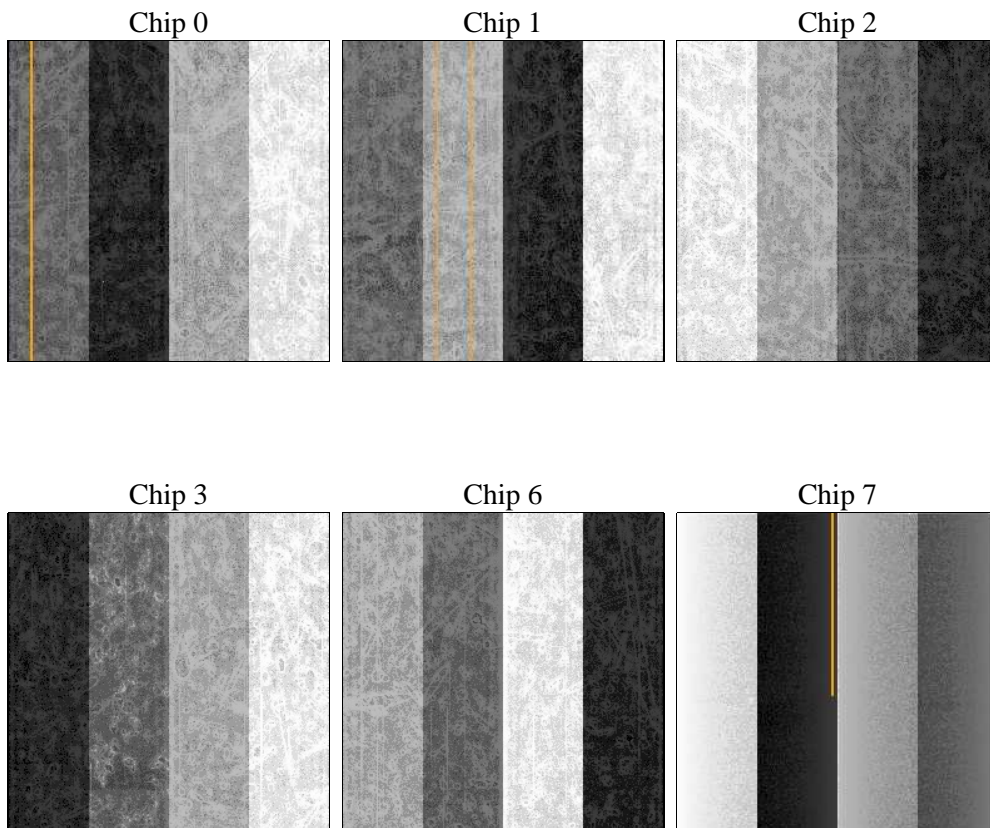
## 2 OBI

### 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	6201.4142163992	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	6201.3731763959	Sum of GTIs [s]
date	2012-11-04T14:38:28	Date and time of file creation	ontime1	6201.3321363926	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	6201.2910963893	Sum of GTIs [s]
			ontime3	6201.4552564025	Sum of GTIs [s]
			ontime6	6201.250056386	Sum of GTIs [s]
			ontime7	6201.4142163992	Sum of GTIs [s]
			l1events	745702	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	120753	124005	132659	134057	129490	104738	grade 0 events	14967	14568	15408	15164	15575	7798
rejected events	92599	95914	104568	106311	99975	56004		12%	11%	11%	11%	12%	7%
rejected %	76%	77%	78%	79%	77%	53%	grade 1 events	82	79	103	85	71	69
								0%	0%	0%	0%	0%	0%
							grade 2 events	5772	6134	5521	5440	6081	12263
								4%	4%	4%	4%	4%	11%
							grade 3 events	2004	1930	2043	2035	1903	4368
								1%	1%	1%	1%	1%	4%
							grade 4 events	1992	1966	2026	1985	2013	4282
								1%	1%	1%	1%	1%	4%
							grade 5 events	2348	2316	2204	2607	2563	6289
								1%	1%	1%	1%	1%	6%
							grade 6 events	4622	4764	4324	4403	5218	22109
								3%	3%	3%	3%	4%	21%
							grade 7 events	88966	92248	101030	102338	96066	47560
								73%	74%	76%	76%	74%	45%

## 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	59.48324426576367
[deg] Pointing Dec	0	13.7875273317774
[deg] Pointing Roll	0.0	82.88977007825319
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	468362781.958497	468362781.958497
Observation start date	2012-11-03T20:46:22	2012-11-03T20:46:21
[s] Observation end time (MET)	468370468.739431	468370468.739431
Observation end date	2012-11-03T22:54:29	2012-11-03T22:54:28
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.2014142163992

### A.2 Comments