

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59248 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 20 2012

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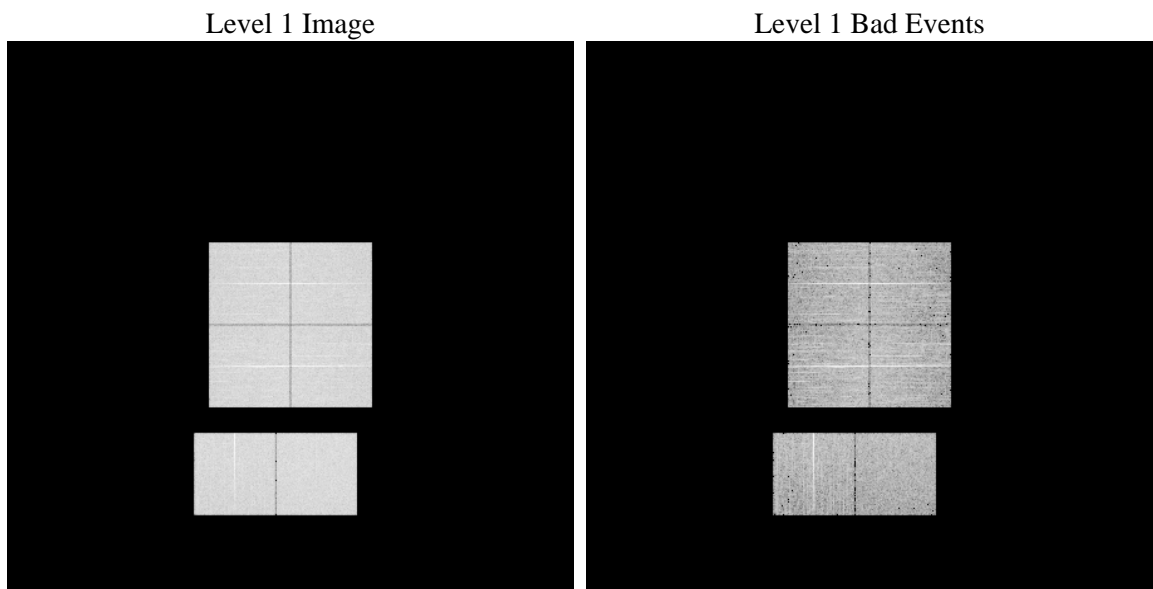
# 1 Front

seq_num	&#160	Sequence number
obs_id	59248	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	103.96493584613	Nominal RA [deg]
dec_nom	42.011864503657	Nominal Dec [deg]
roll_nom	122.66842484229	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5678.8651819527	Sum of GTIs [s]
livetime	5606.9559716167	Livetime [s]
ontime0	5678.8241419494	Sum of GTIs [s]
ontime1	5678.7831019461	Sum of GTIs [s]
ontime2	5678.7420619428	Sum of GTIs [s]
ontime3	5678.906221956	Sum of GTIs [s]
ontime6	5678.7010219693	Sum of GTIs [s]
ontime7	5678.8651819527	Sum of GTIs [s]
l2events	700948	Number of level 2 events

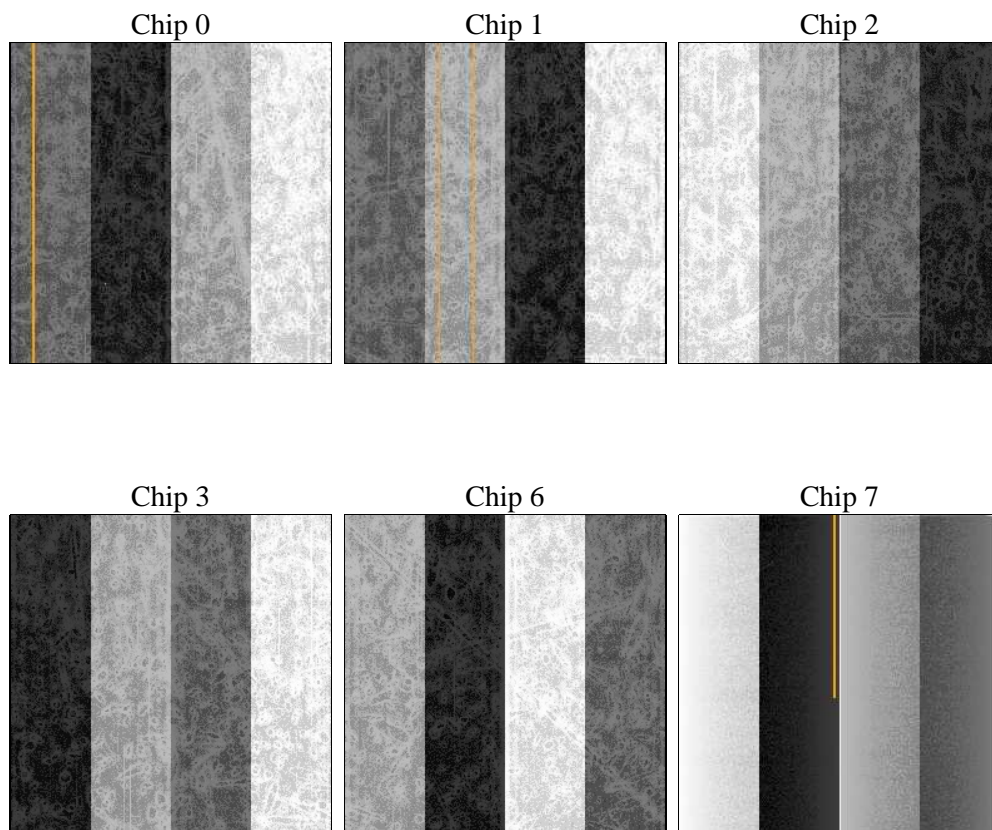
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	5678.8651819527	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	5678.8241419494	Sum of GTIs [s]
date	2012-03-20T02:42:24	Date and time of file creation	ontime1	5678.7831019461	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5678.7420619428	Sum of GTIs [s]
			ontime3	5678.906221956	Sum of GTIs [s]
			ontime6	5678.7010219693	Sum of GTIs [s]
			ontime7	5678.8651819527	Sum of GTIs [s]
			l1events	998760	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	159902	159399	168152	166936	167859	176512	grade 0 events	64906	64750	67074	67022	66674	31510
rejected events	41863	40671	48209	47475	44203	38423		40%	40%	39%	40%	39%	17%
rejected %	26%	25%	28%	28%	26%	21%	grade 1 events	380	343	464	450	390	133
								0%	0%	0%	0%	0%	0%
							grade 2 events	20686	21285	20260	20435	21318	30235
								12%	13%	12%	12%	12%	17%
							grade 3 events	7792	7655	7974	7931	7893	13587
								4%	4%	4%	4%	4%	7%
							grade 4 events	7735	7653	7796	7756	7954	13485
								4%	4%	4%	4%	4%	7%
							grade 5 events	2517	2554	2325	2771	2714	6631
								1%	1%	1%	1%	1%	3%
							grade 6 events	16987	17458	16913	16384	19874	49348
								10%	10%	10%	9%	11%	27%
							grade 7 events	38899	37701	45346	44187	41042	31583
								24%	23%	26%	26%	24%	17%

## 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	103.9649358461302
[deg] Pointing Dec	0	42.01186450365724
[deg] Pointing Roll	0.0	122.6684248422898
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-233.592463	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	250614014.092994	250614013.06797
Observation start date	2005-12-10T15:00:14	2005-12-10T15:00:13
[s] Observation end time (MET)	250654394.994864	250654393.96984
Observation end date	2005-12-11T02:13:15	2005-12-11T02:13:13
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2012.03.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.6788651819527

### A.2 Comments