

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59215 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Mar 21 2012

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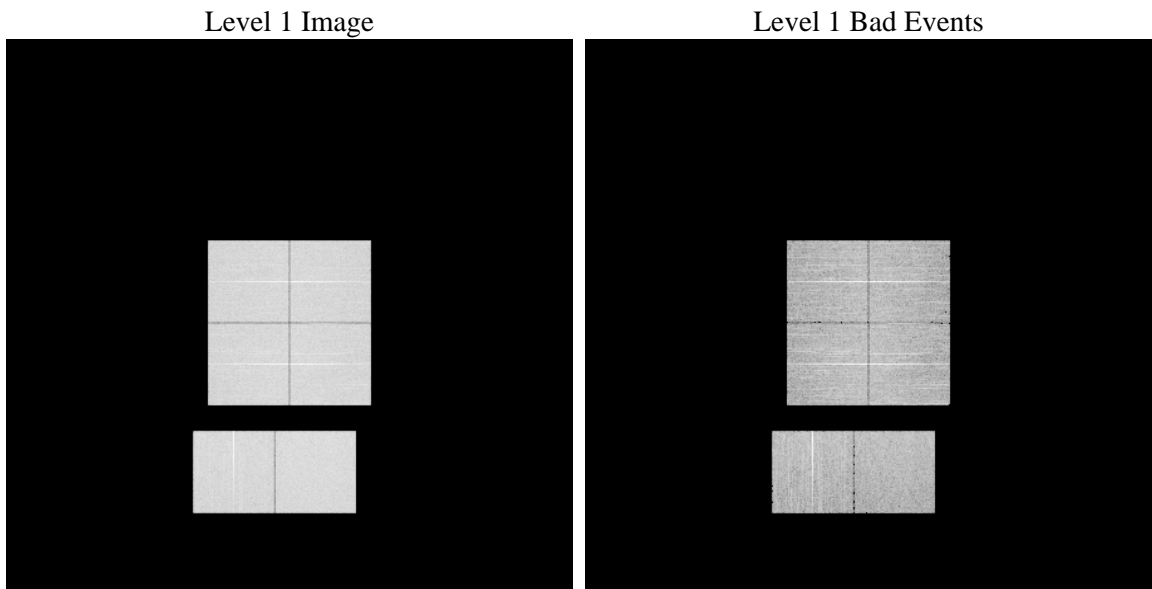
# 1 Front

seq_num	&#160	Sequence number
obs_id	59215	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	85.529176980399	Nominal RA [deg]
dec_nom	12.497157138868	Nominal Dec [deg]
roll_nom	321.35480689052	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7519.9999719858	Sum of GTIs [s]
livetime	7424.7772043402	Livetime [s]
ontime0	7519.9999719858	Sum of GTIs [s]
ontime1	7519.9766071737	Sum of GTIs [s]
ontime2	7519.9355671704	Sum of GTIs [s]
ontime3	7519.9999719858	Sum of GTIs [s]
ontime6	7519.8945271969	Sum of GTIs [s]
ontime7	7519.9999719858	Sum of GTIs [s]
l2events	918607	Number of level 2 events

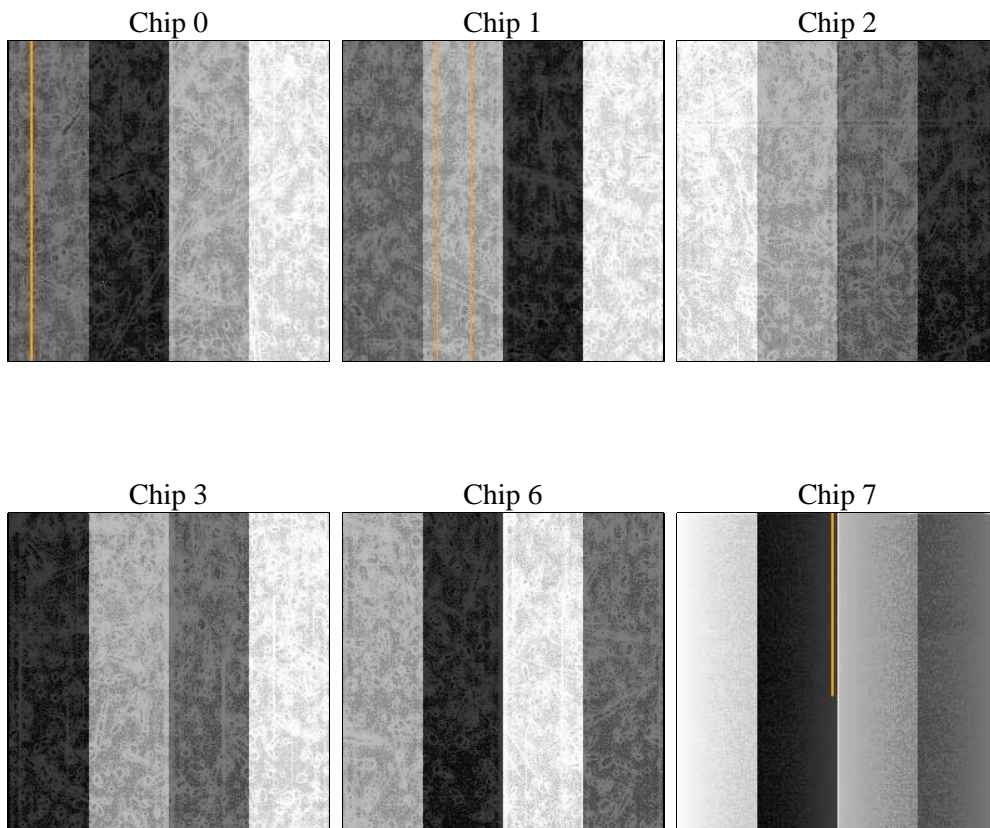
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4680	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	7519.9999719858	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	7519.9999719858	Sum of GTIs [s]
date	2012-03-21T05:33:42	Date and time of file creation	ontime1	7519.9766071737	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7519.9355671704	Sum of GTIs [s]
			ontime3	7519.9999719858	Sum of GTIs [s]
			ontime6	7519.8945271969	Sum of GTIs [s]
			ontime7	7519.9999719858	Sum of GTIs [s]
			l1events	1353832	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	217774	216447	225059	224668	230094	239790	grade 0 events	87885	87463	90607	90620	91462	43833
rejected events	62902	61762	68032	68337	67287	58360		40%	40%	40%	40%	39%	18%
rejected %	28%	28%	30%	30%	29%	24%	grade 1 events	545	475	606	595	502	173
								0%	0%	0%	0%	0%	0%
							grade 2 events	28079	28786	27622	27873	29214	41085
								12%	13%	12%	12%	12%	17%
							grade 3 events	10527	10225	10749	10583	10447	18707
								4%	4%	4%	4%	4%	7%
							grade 4 events	10583	10263	10879	10753	10677	18588
								4%	4%	4%	4%	4%	7%
							grade 5 events	3343	3497	3183	3730	3831	8935
								1%	1%	1%	1%	1%	3%
							grade 6 events	23651	23714	23100	22346	27123	65980
								10%	10%	10%	9%	11%	27%
							grade 7 events	53161	52024	58313	58168	56838	42489
								24%	24%	25%	25%	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	85.52915477956374	85.52917698039934
[deg] Pointing Dec	12.497174511458	12.49715713886846
[deg] Pointing Roll	321.3548116870536	321.354806890524
[mm] SIM focus pos	-1.5263399358	-1.5263399358
[mm] SIM defocus	0.006996627355743357	0.006996627355743357
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	251982364.556295	251982364.556295
Observation start date	2005-12-26T11:42:00	2005-12-26T11:06:04
[s] Observation end time (MET)	251991882.371355	251991882.371355
Observation end date	2005-12-26T13:00:00	2005-12-26T13:44:42
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)	2012.03.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5199999719858

### A.2 Comments