

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59063 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 28 2012

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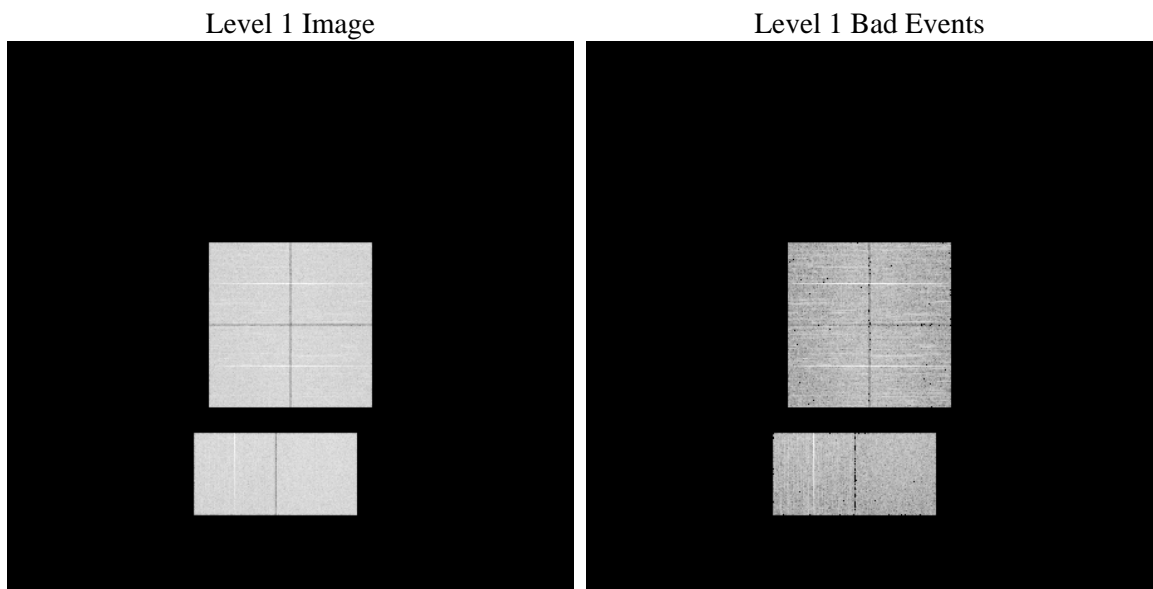
# 1 Front

seq_num	&#160	Sequence number
obs_id	59063	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	174.97069379586	Nominal RA [deg]
dec_nom	31.985794214186	Nominal Dec [deg]
roll_nom	176.87233914381	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5193.5999806523	Sum of GTIs [s]
livetime	5127.8354904868	Livetime [s]
ontime0	5193.5999806523	Sum of GTIs [s]
ontime1	5193.5999806523	Sum of GTIs [s]
ontime2	5193.5999806523	Sum of GTIs [s]
ontime3	5193.5999806523	Sum of GTIs [s]
ontime6	5193.5999806523	Sum of GTIs [s]
ontime7	5193.5999806523	Sum of GTIs [s]
l2events	605338	Number of level 2 events

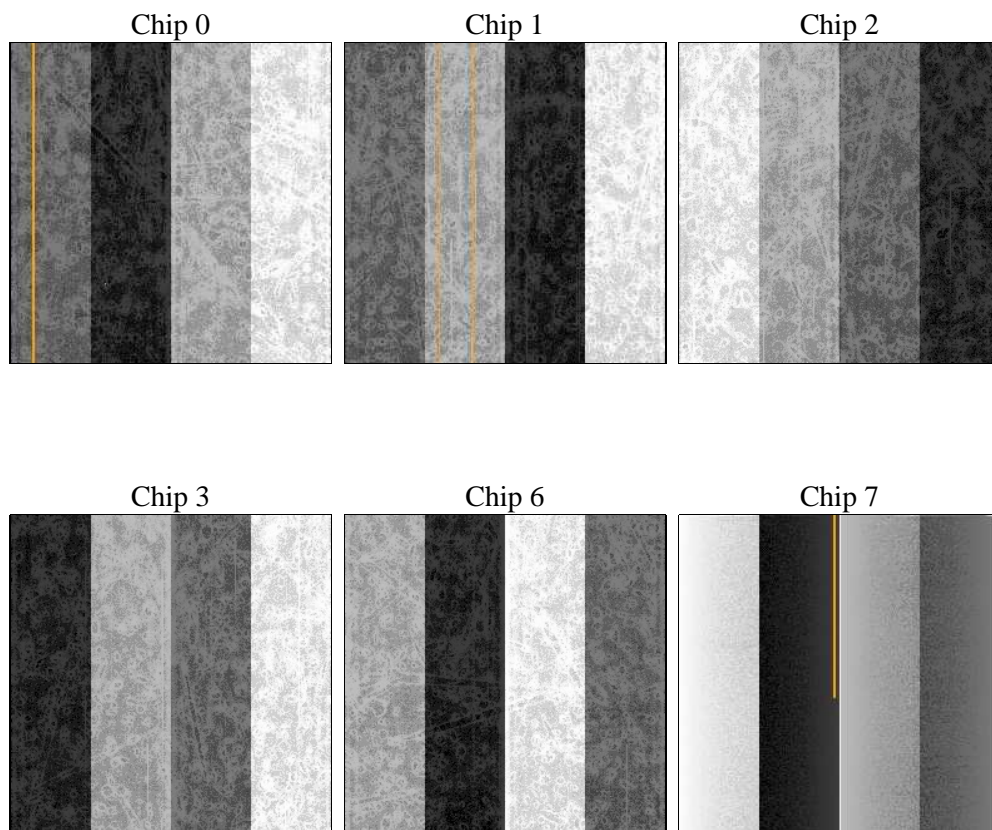
## 2 OBI

### 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	5193.5999806523	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	5193.5999806523	Sum of GTIs [s]
date	2012-03-28T04:53:16	Date and time of file creation	ontime1	5193.5999806523	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5193.5999806523	Sum of GTIs [s]
			ontime3	5193.5999806523	Sum of GTIs [s]
			ontime6	5193.5999806523	Sum of GTIs [s]
			ontime7	5193.5999806523	Sum of GTIs [s]
			l1events	895639	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	144700	144690	146829	148639	150985	159796	grade 0 events	55767	56009	57655	58537	58178	27806
rejected events	43384	42554	44320	45006	44403	38648		38%	38%	39%	39%	38%	17%
rejected %	29%	29%	30%	30%	29%	24%	grade 1 events	381	283	407	436	389	115
								0%	0%	0%	0%	0%	0%
							grade 2 events	18180	18581	17597	17823	18535	26799
								12%	12%	11%	11%	12%	16%
							grade 3 events	6737	6597	6898	6933	6654	11959
								4%	4%	4%	4%	4%	7%
							grade 4 events	6679	6718	6825	6851	6814	11963
								4%	4%	4%	4%	4%	7%
							grade 5 events	2296	2512	2264	2661	2712	6505
								1%	1%	1%	1%	1%	4%
							grade 6 events	15159	15406	14735	14687	17692	44047
								10%	10%	10%	9%	11%	27%
							grade 7 events	39501	38584	40448	40711	40011	30602
								27%	26%	27%	27%	26%	19%

## 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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	174.9706937958575	Alternating exposures requested	N	N
[deg] Pointing Dec	0	31.98579421418596	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	176.8723391438119			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	258653355.965866	258653354.94086			
Observation start date	2006-03-13T16:09:16	2006-03-13T16:09:14			
[s] Observation end time (MET)	258671648.116716	258671647.09172			
Observation end date	2006-03-13T21:14:08	2006-03-13T21:14:07			
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)	2012.03.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1935999806523

### A.2 Comments