

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58269 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 29 2012

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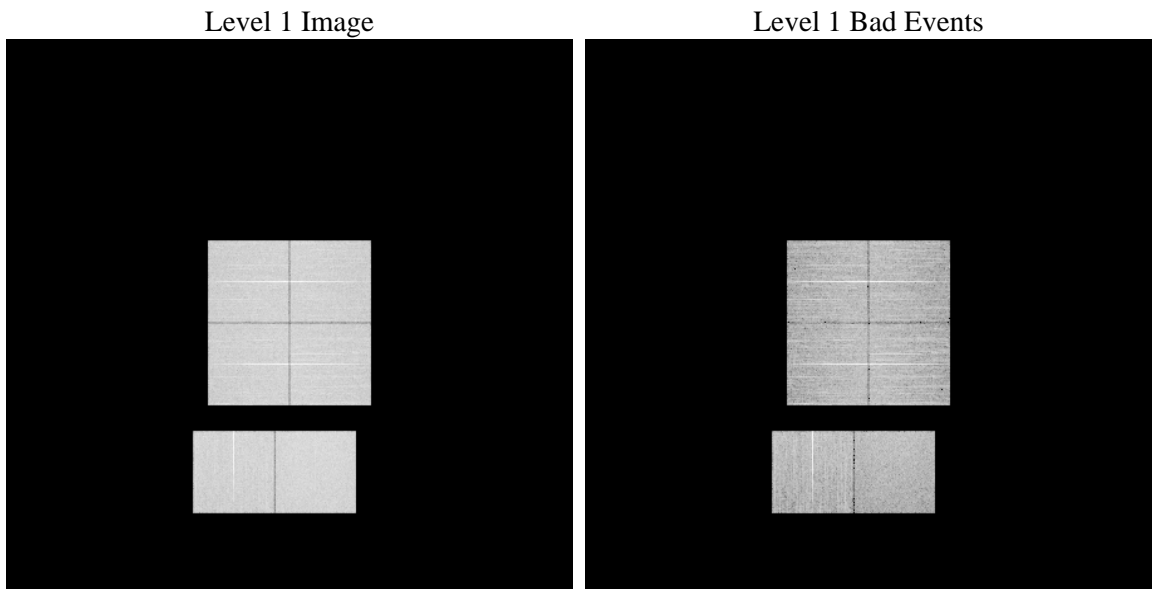
# 1 Front

seq_num	&#160	Sequence number
obs_id	58269	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	319.9754677094	Nominal RA [deg]
dec_nom	12.980907921231	Nominal Dec [deg]
roll_nom	181.31015305461	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8271.999969244	Sum of GTIs [s]
livetime	8167.254924833	Livetime [s]
ontime0	8271.999969244	Sum of GTIs [s]
ontime1	8271.999969244	Sum of GTIs [s]
ontime2	8271.999969244	Sum of GTIs [s]
ontime3	8271.999969244	Sum of GTIs [s]
ontime6	8271.999969244	Sum of GTIs [s]
ontime7	8271.999969244	Sum of GTIs [s]
l2events	715808	Number of level 2 events

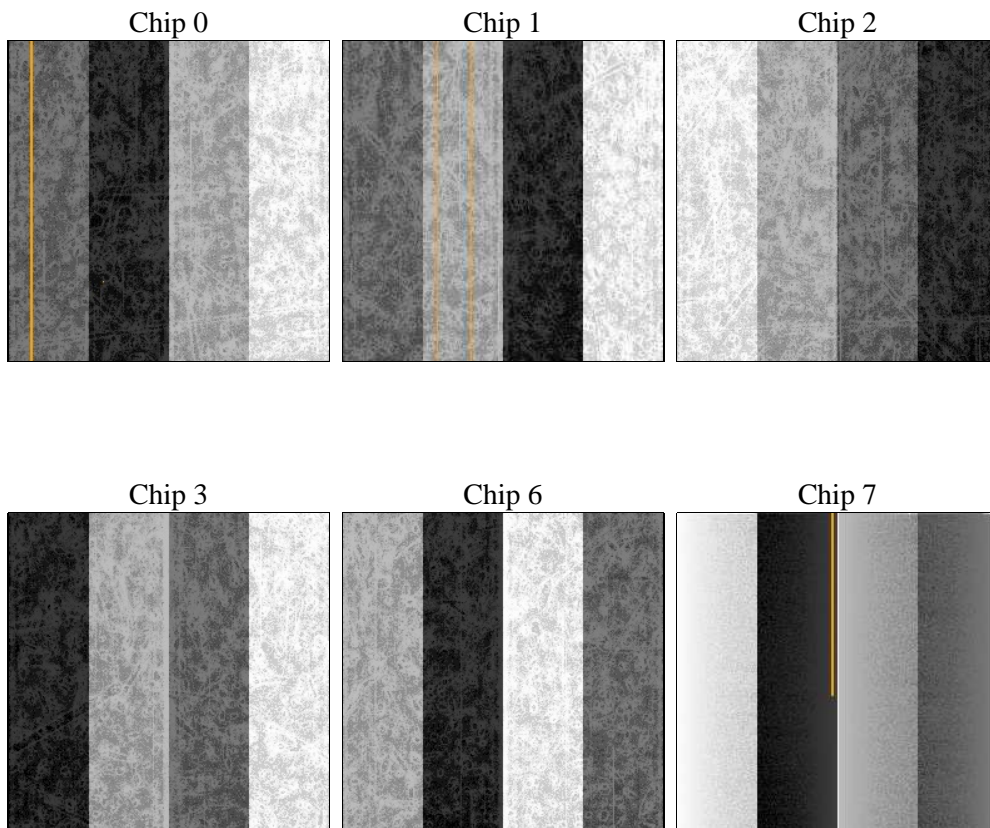
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8271.999969244	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	8271.999969244	Sum of GTIs [s]
date	2012-04-29T13:30:57	Date and time of file creation	ontime1	8271.999969244	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8271.999969244	Sum of GTIs [s]
			ontime3	8271.999969244	Sum of GTIs [s]
			ontime6	8271.999969244	Sum of GTIs [s]
			ontime7	8271.999969244	Sum of GTIs [s]
			l1events	1194458	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	191567	190496	194566	198229	200854	218746	grade 0 events	64166	63405	66063	66275	65610	31629
rejected events	72766	71237	75267	78353	76904	65210		33%	33%	33%	33%	32%	14%
rejected %	37%	37%	38%	39%	38%	29%	grade 1 events	448	359	491	470	393	173
								0%	0%	0%	0%	0%	0%
							grade 2 events	20915	21984	19743	20363	22065	33668
								10%	11%	10%	10%	10%	15%
							grade 3 events	7903	7717	7910	7953	7698	14510
								4%	4%	4%	4%	3%	6%
							grade 4 events	7778	7661	8065	8011	7764	14270
								4%	4%	4%	4%	3%	6%
							grade 5 events	3933	4157	3732	4281	4228	10570
								2%	2%	1%	2%	2%	4%
							grade 6 events	18039	18492	17518	17274	20813	59459
								9%	9%	9%	8%	10%	27%
							grade 7 events	68385	66721	71044	73602	72283	54467
								35%	35%	36%	37%	35%	24%

## 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	319.9754677093957	Alternating exposures requested	N	N
[deg] Pointing Dec	0	12.98090792123068	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	181.3101530546084			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	303199894.97069	303199893.94569			
Observation start date	2007-08-11T06:11:35	2007-08-11T06:11:33			
[s] Observation end time (MET)	303223955.821845	303223954.79685			
Observation end date	2007-08-11T12:52:36	2007-08-11T12:52:34			
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)	2012.05.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.271999969244

### A.2 Comments