

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58828 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 7 2012

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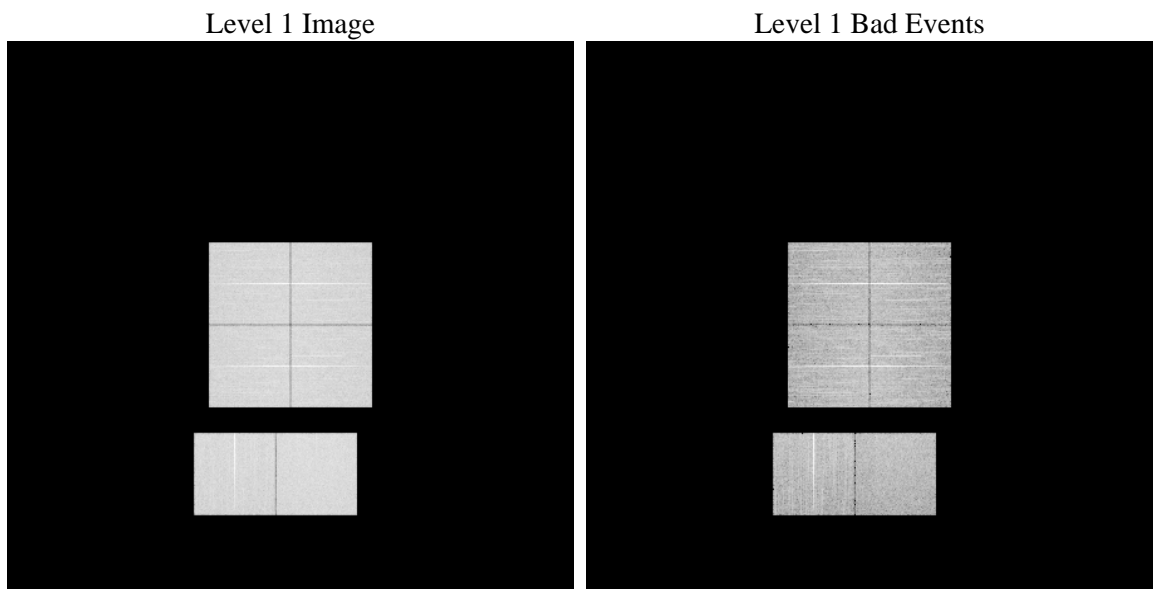
# 1 Front

seq_num	&#160	Sequence number
obs_id	58828	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	298.00409623272	Nominal RA [deg]
dec_nom	-2.027443403615	Nominal Dec [deg]
roll_nom	242.26980448234	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8191.4097887874	Sum of GTIs [s]
livetime	8087.6852257669	Livetime [s]
ontime0	8191.3687487841	Sum of GTIs [s]
ontime1	8191.3277087808	Sum of GTIs [s]
ontime2	8191.2866687775	Sum of GTIs [s]
ontime3	8191.4508287907	Sum of GTIs [s]
ontime6	8191.2456287742	Sum of GTIs [s]
ontime7	8191.4097887874	Sum of GTIs [s]
l2events	871490	Number of level 2 events

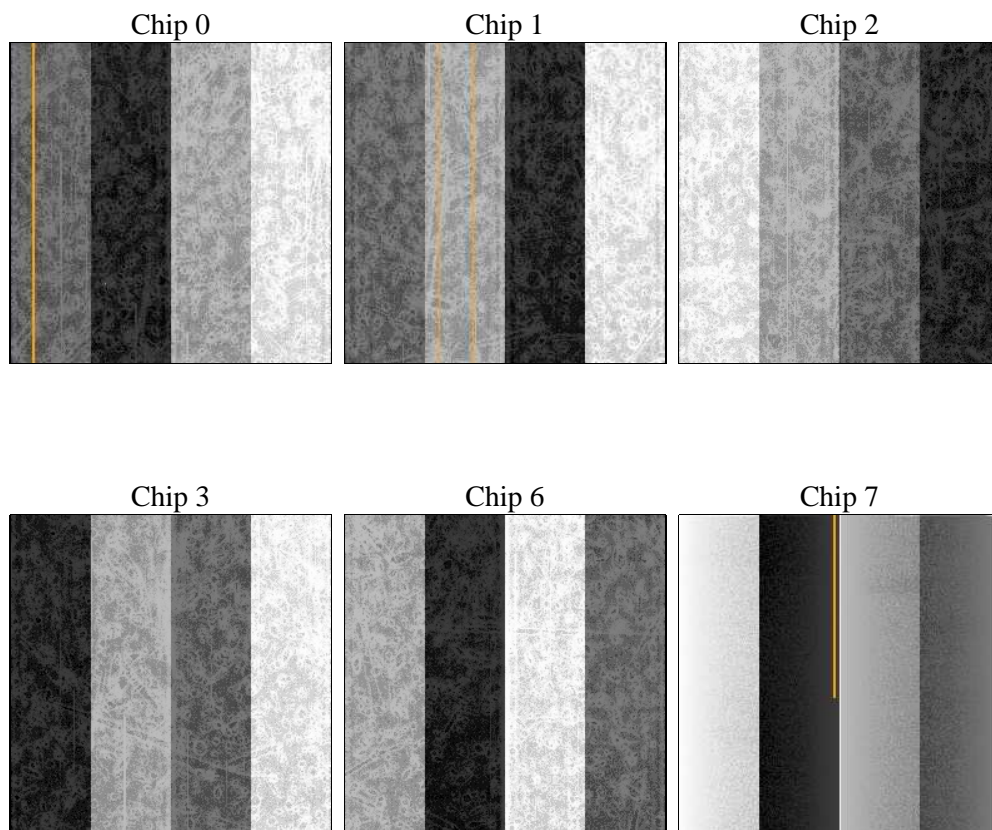
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	8191.4097887874	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8191.3687487841	Sum of GTIs [s]
date	2012-04-07T11:38:52	Date and time of file creation	ontime1	8191.3277087808	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8191.2866687775	Sum of GTIs [s]
			ontime3	8191.4508287907	Sum of GTIs [s]
			ontime6	8191.2456287742	Sum of GTIs [s]
			ontime7	8191.4097887874	Sum of GTIs [s]
			l1events	1343086	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	216009	215467	221493	220707	226488	242922	grade 0 events	80475	79333	82158	82712	82303	40210
rejected events	70150	69733	74431	73209	74147	63832		37%	36%	37%	37%	36%	16%
rejected %	32%	32%	33%	33%	32%	26%	grade 1 events	518	469	607	614	471	172
								0%	0%	0%	0%	0%	0%
							grade 2 events	25621	26441	25193	25354	26886	39528
								11%	12%	11%	11%	11%	16%
							grade 3 events	9814	9557	9930	10039	9739	17414
								4%	4%	4%	4%	4%	7%
							grade 4 events	9551	9628	9898	9925	9753	17391
								4%	4%	4%	4%	4%	7%
							grade 5 events	3847	4036	3705	4177	4297	10588
								1%	1%	1%	1%	1%	4%
							grade 6 events	21985	22396	21445	21016	25277	66338
								10%	10%	9%	9%	11%	27%
							grade 7 events	64198	63607	68557	66870	67762	51281
								29%	29%	30%	30%	29%	21%

## 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	298.0040962327209	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-2.027443403615044	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	242.269804482336			
[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)	271904404.884889	271904403.85989			
Observation start date	2006-08-14T01:00:05	2006-08-14T01:00:03			
[s] Observation end time (MET)	271927168.085958	271927167.06095			
Observation end date	2006-08-14T07:19:28	2006-08-14T07:19:27			
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)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1914097887874

### A.2 Comments