

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56617 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 17 2012

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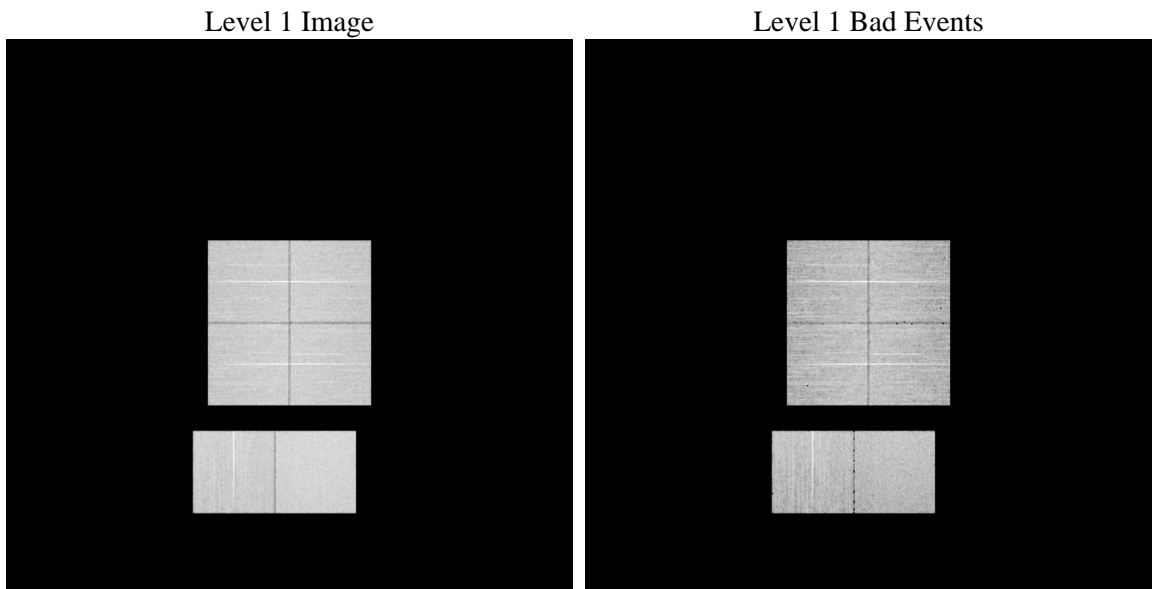
# 1 Front

seq_num	&#160	Sequence number
obs_id	56617	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	83.037353478922	Nominal RA [deg]
dec_nom	17.716962813124	Nominal Dec [deg]
roll_nom	91.011493908594	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8025.1095166802	Sum of GTIs [s]
livetime	7923.4907478392	Livetime [s]
ontime0	7924.6374553442	Sum of GTIs [s]
ontime1	7934.3604860306	Sum of GTIs [s]
ontime2	7918.1553853154	Sum of GTIs [s]
ontime3	7937.6014863253	Sum of GTIs [s]
ontime6	7940.8425362706	Sum of GTIs [s]
ontime7	8025.1095166802	Sum of GTIs [s]
l2events	420300	Number of level 2 events

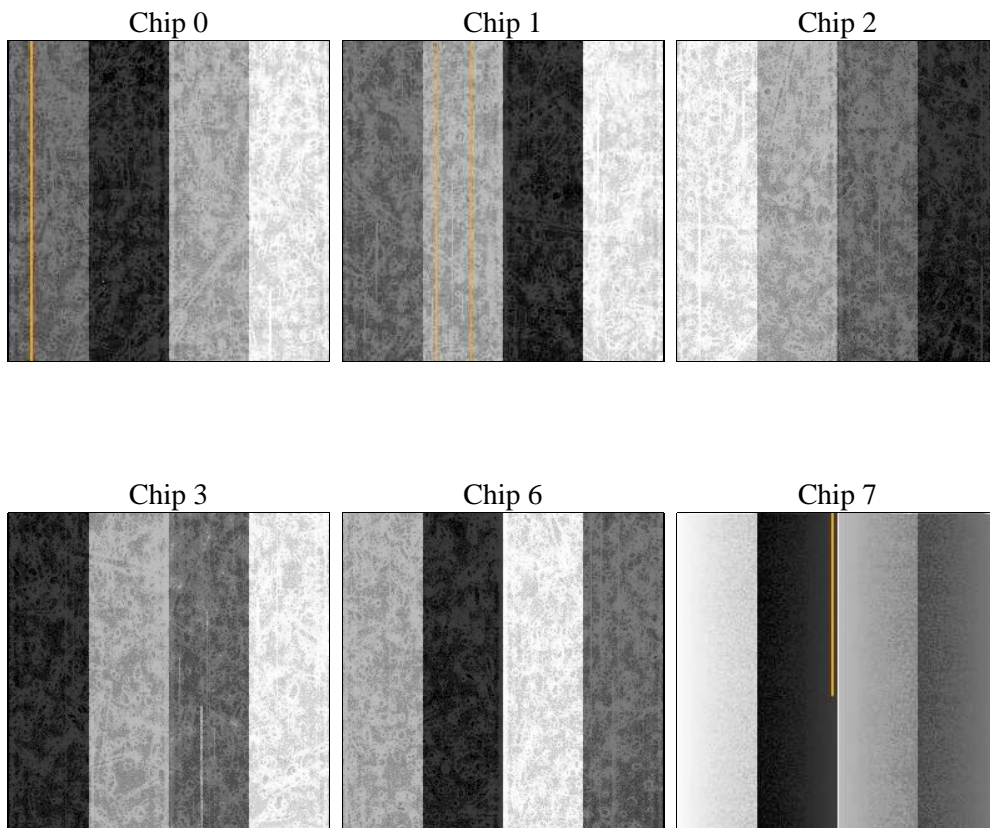
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	8025.1095166802	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	7924.6374553442	Sum of GTIs [s]
date	2012-06-17T17:37:52	Date and time of file creation	ontime1	7934.3604860306	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7918.1553853154	Sum of GTIs [s]
			ontime3	7937.6014863253	Sum of GTIs [s]
			ontime6	7940.8425362706	Sum of GTIs [s]
			ontime7	8025.1095166802	Sum of GTIs [s]
			l1events	906617	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	139294	141042	146860	146154	150432	182835	grade 0 events	36637	35925	37240	37765	37189	19700
rejected events	72436	73643	79762	78324	81100	75805		26%	25%	25%	25%	24%	10%
rejected %	52%	52%	54%	53%	53%	41%	grade 1 events	315	265	316	313	244	157
								0%	0%	0%	0%	0%	0%
							grade 2 events	12329	13048	11877	12124	12797	23662
								8%	9%	8%	8%	8%	12%
							grade 3 events	4735	4626	4681	4811	4612	10053
								3%	3%	3%	3%	3%	5%
							grade 4 events	4627	4753	4912	4801	4595	9885
								3%	3%	3%	3%	3%	5%
							grade 5 events	4134	4279	4026	4623	4508	11770
								2%	3%	2%	3%	2%	6%
							grade 6 events	10344	10817	10191	10144	12036	46563
								7%	7%	6%	6%	8%	25%
							grade 7 events	66173	67329	73617	71573	74451	61045
								47%	47%	50%	48%	49%	33%

## 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	83.037353478922
[deg] Pointing Dec	0	17.71696281312447
[deg] Pointing Roll	0.0	91.0114939085942
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	376319718.079423	376319718.079423
Observation start date	2009-12-04T13:15:18	2009-12-04T13:15:18
[s] Observation end time (MET)	376330412.370083	376330412.370083
Observation end date	2009-12-04T16:13:32	2009-12-04T16:13:32
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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0251095166802

## A.2 Comments

A switch to format 4 at 338:15:50:17.8 interrupted the telemetry flow for the science instruments, resulting in a loss of GTI for this observation. Back to format 2 at 338:15:54:35.6