

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57818 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 14 2012

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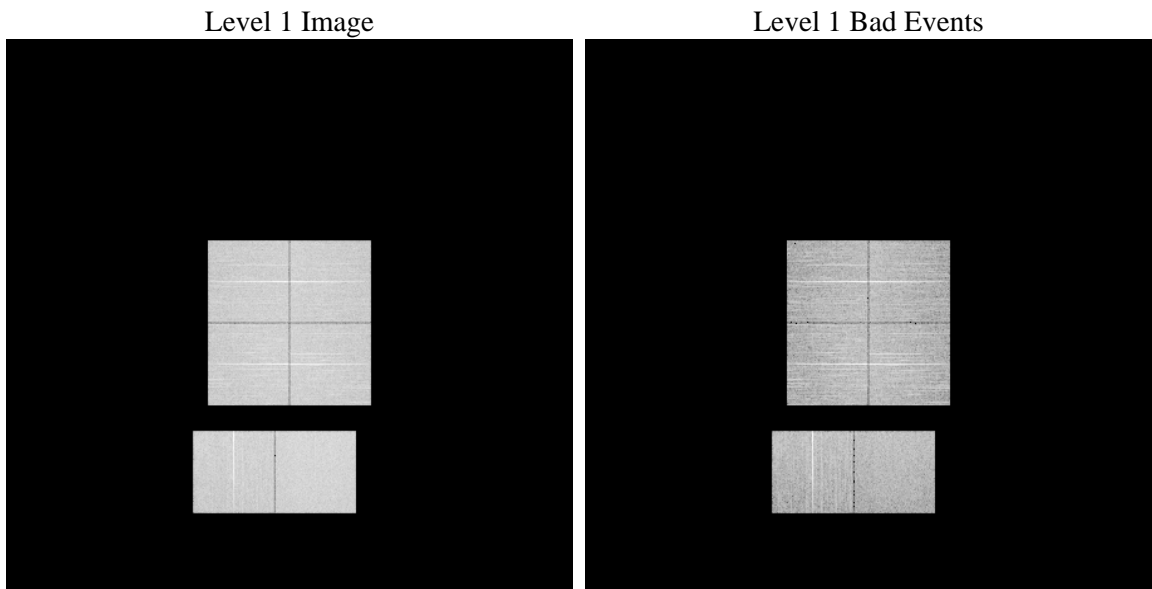
# 1 Front

seq_num	&#160	Sequence number
obs_id	57818	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	209.01730488202	Nominal RA [deg]
dec_nom	-4.0391651413231	Nominal Dec [deg]
roll_nom	232.78491746496	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8185.5999695659	Sum of GTIs [s]
livetime	8081.9489739747	Livetime [s]
ontime0	8185.5999695659	Sum of GTIs [s]
ontime1	8185.5999695659	Sum of GTIs [s]
ontime2	8185.5999695659	Sum of GTIs [s]
ontime3	8185.5999695659	Sum of GTIs [s]
ontime6	8185.5999695659	Sum of GTIs [s]
ontime7	8185.5999695659	Sum of GTIs [s]
l2events	585835	Number of level 2 events

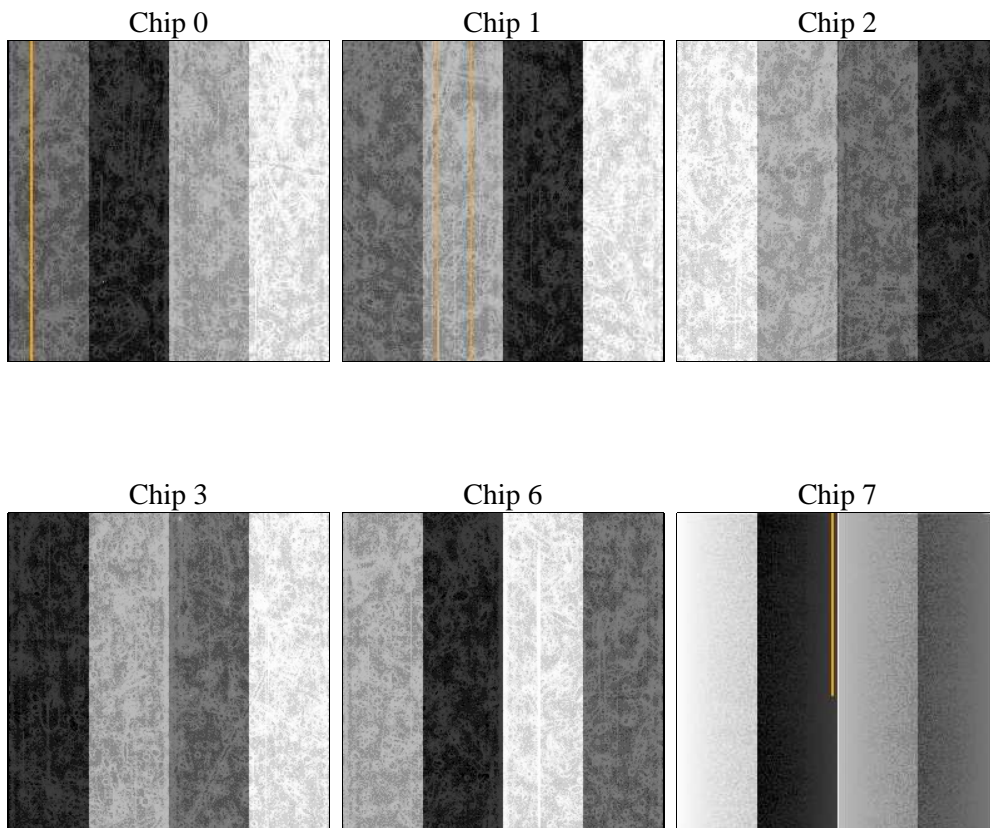
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3600	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8185.5999695659	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8185.5999695659	Sum of GTIs [s]
date	2012-05-14T23:47:25	Date and time of file creation	ontime1	8185.5999695659	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	8185.5999695659	Sum of GTIs [s]
			ontime3	8185.5999695659	Sum of GTIs [s]
			ontime6	8185.5999695659	Sum of GTIs [s]
			ontime7	8185.5999695659	Sum of GTIs [s]
			l1events	1052260	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	166142	165426	173062	174514	175110	198006	grade 0 events	52679	52077	53509	54297	53432	25892
rejected events	69924	68464	76610	77187	74511	67022		31%	31%	30%	31%	30%	13%
rejected %	42%	41%	44%	44%	42%	33%	grade 1 events	352	316	421	409	319	131
								0%	0%	0%	0%	0%	0%
							grade 2 events	17351	18176	16512	16654	18158	29039
								10%	10%	9%	9%	10%	14%
							grade 3 events	6553	6311	6639	6567	6575	12137
								3%	3%	3%	3%	3%	6%
							grade 4 events	6345	6360	6603	6753	6549	12227
								3%	3%	3%	3%	3%	6%
							grade 5 events	3836	3973	3556	4209	4143	10538
								2%	2%	2%	2%	2%	5%
							grade 6 events	14334	15089	14186	14086	16953	53054
								8%	9%	8%	8%	9%	26%
							grade 7 events	64692	63124	71636	71539	68981	54988
								38%	38%	41%	40%	39%	27%

## 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	209.0173048708878	209.0173048820151
[deg] Pointing Dec	-4.039165198195973	-4.039165141323109
[deg] Pointing Roll	232.7849174644277	232.7849174649576
[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)	326936101.969519	326936101.969519
Observation start date	2008-05-12T00:00:00	2008-05-11T23:35:01
[s] Observation end time (MET)	326985388.797692	326985388.797692
Observation end date	2008-05-12T01:00:00	2008-05-12T13:16:28
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1855999695659

### A.2 Comments