

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57650 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 20 2012

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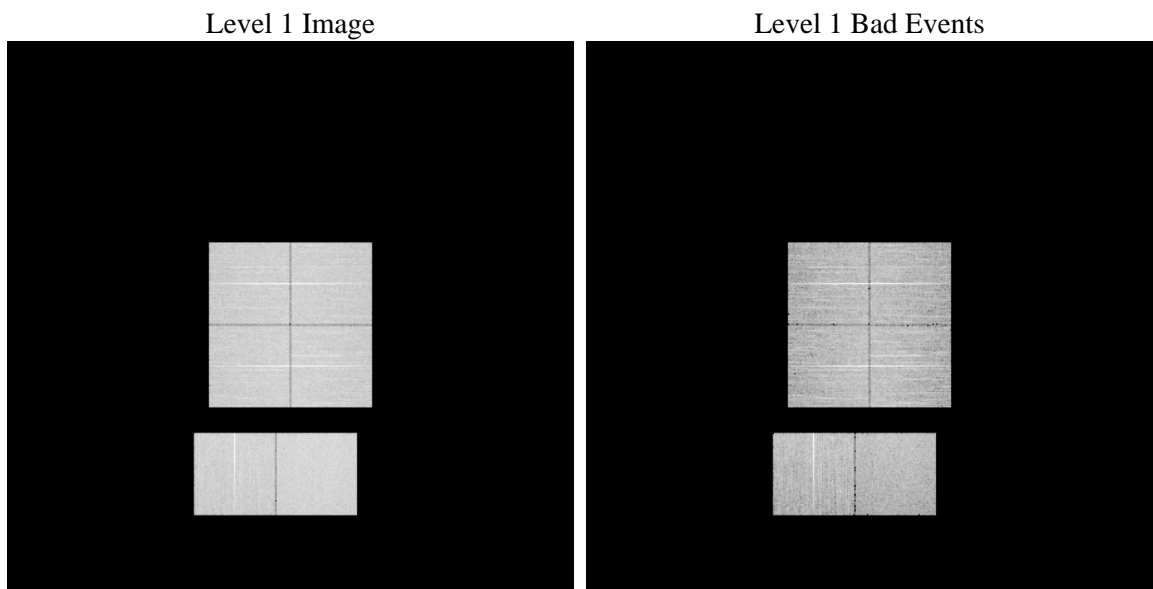
# 1 Front

seq_num	&#160	Sequence number
obs_id	57650	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	336.97073940176	Nominal RA [deg]
dec_nom	14.994725476212	Nominal Dec [deg]
roll_nom	157.73600943196	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8273.8758937716	Sum of GTIs [s]
livetime	8169.1070952748	Livetime [s]
ontime0	8273.9169139266	Sum of GTIs [s]
ontime1	8273.9579539299	Sum of GTIs [s]
ontime2	8275.1999692321	Sum of GTIs [s]
ontime3	8273.8348537683	Sum of GTIs [s]
ontime6	8275.1999692321	Sum of GTIs [s]
ontime7	8273.8758937716	Sum of GTIs [s]
l2events	565288	Number of level 2 events

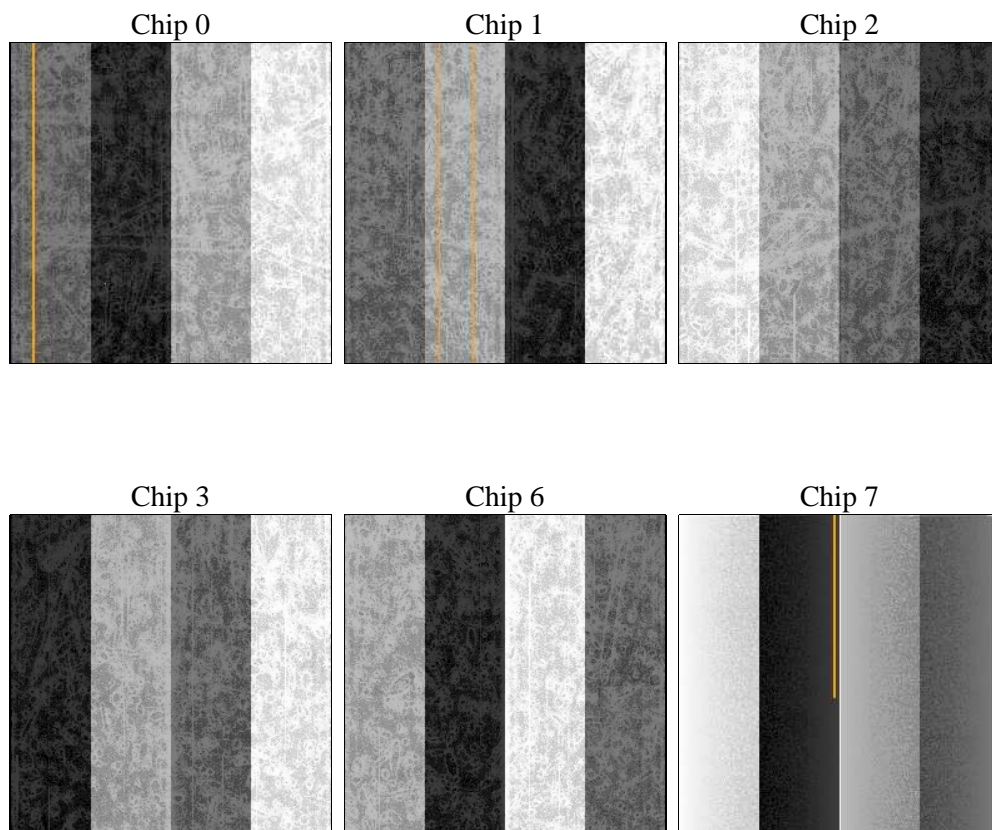
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8273.8758937716	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8273.9169139266	Sum of GTIs [s]
date	2012-05-20T09:27:24	Date and time of file creation	ontime1	8273.9579539299	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8275.1999692321	Sum of GTIs [s]
			ontime3	8273.8348537683	Sum of GTIs [s]
			ontime6	8275.1999692321	Sum of GTIs [s]
			ontime7	8273.8758937716	Sum of GTIs [s]
			l1events	1024037	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	160973	161064	166905	170022	171023	194050	grade 0 events	49625	48911	51066	51403	51035	25264
rejected events	68615	68301	73795	76391	74254	65807		30%	30%	30%	30%	29%	13%
rejected %	42%	42%	44%	44%	43%	33%	grade 1 events	391	271	363	381	313	148
								0%	0%	0%	0%	0%	0%
							grade 2 events	16692	17038	15893	16006	17231	28088
								10%	10%	9%	9%	10%	14%
							grade 3 events	6126	6211	6194	6424	6324	12011
								3%	3%	3%	3%	3%	6%
							grade 4 events	6061	6186	6336	6310	6292	11757
								3%	3%	3%	3%	3%	6%
							grade 5 events	3899	4004	3620	4412	4205	10594
								2%	2%	2%	2%	2%	5%
							grade 6 events	13854	14417	13655	13488	15920	51123
								8%	8%	8%	7%	9%	26%
							grade 7 events	64325	64026	69778	71598	69703	55065
								39%	39%	41%	42%	40%	28%

## 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	336.9707394017613
[deg] Pointing Dec	0	14.99472547621177
[deg] Pointing Roll	0.0	157.736009431964
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	335195793.53327	335195792.50827
Observation start date	2008-08-15T13:56:34	2008-08-15T13:56:32
[s] Observation end time (MET)	335206310.033787	335206309.00878
Observation end date	2008-08-15T16:51:50	2008-08-15T16:51:49
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2012.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2738758937716

### A.2 Comments