

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57608 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 21 2012

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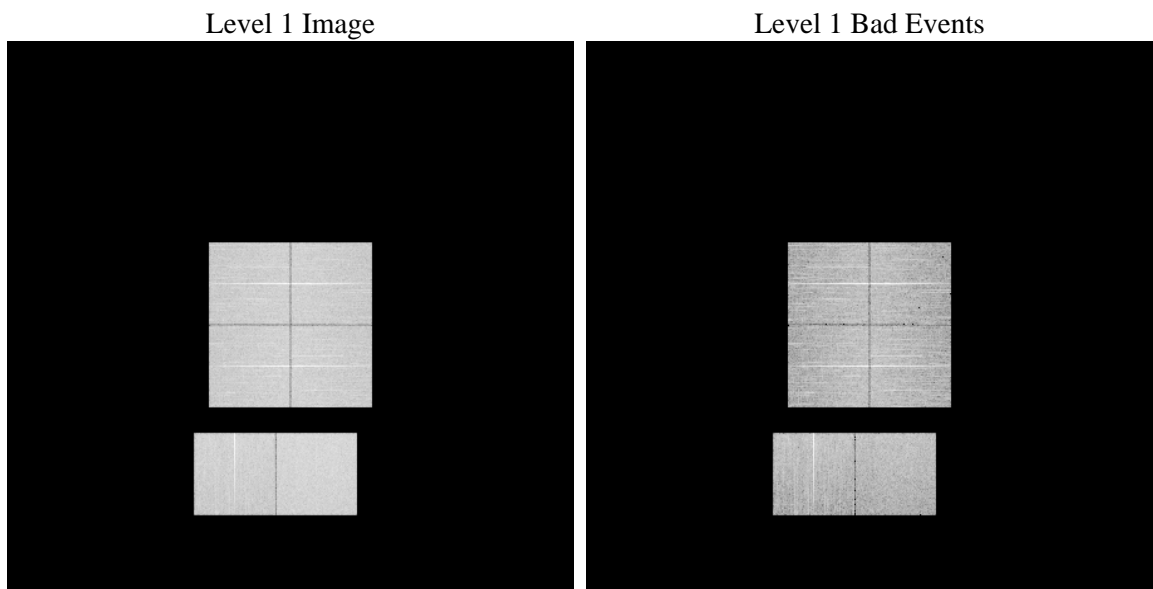
# 1 Front

seq_num	&#160	Sequence number
obs_id	57608	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	335.99486447453	Nominal RA [deg]
dec_nom	16.970728171451	Nominal Dec [deg]
roll_nom	218.88280365361	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999692321	Sum of GTIs [s]
livetime	8170.4144044945	Livetime [s]
ontime0	8275.1999692321	Sum of GTIs [s]
ontime1	8275.1999692321	Sum of GTIs [s]
ontime2	8275.1999692321	Sum of GTIs [s]
ontime3	8275.1999692321	Sum of GTIs [s]
ontime6	8275.1999692321	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
l2events	556446	Number of level 2 events

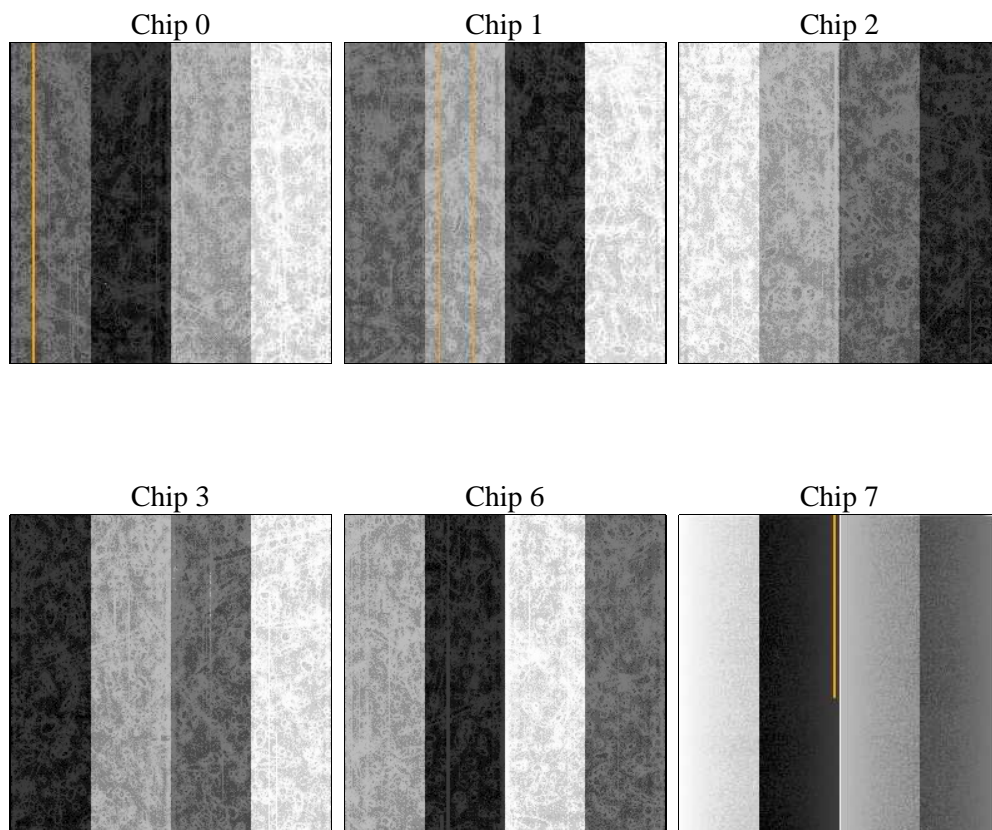
## 2 OBI

### 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	8275.1999692321	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8275.1999692321	Sum of GTIs [s]
date	2012-05-21T09:41:01	Date and time of file creation	ontime1	8275.1999692321	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8275.1999692321	Sum of GTIs [s]
			ontime3	8275.1999692321	Sum of GTIs [s]
			ontime6	8275.1999692321	Sum of GTIs [s]
			ontime7	8275.1999692321	Sum of GTIs [s]
			l1events	1019795	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	162499	159715	165604	167443	169610	194924	grade 0 events	48754	48282	50338	50636	49700	24883
rejected events	71764	68516	73792	75460	75085	67607		30%	30%	30%	30%	29%	12%
rejected %	44%	42%	44%	45%	44%	34%	grade 1 events	362	303	396	414	353	173
								0%	0%	0%	0%	0%	0%
							grade 2 events	16321	17012	15642	16000	16932	27526
								10%	10%	9%	9%	9%	14%
							grade 3 events	6006	5935	6321	6154	6078	11996
								3%	3%	3%	3%	3%	6%
							grade 4 events	6041	5986	6181	6164	6121	11972
								3%	3%	3%	3%	3%	6%
							grade 5 events	3893	4071	3662	4363	4315	11119
								2%	2%	2%	2%	2%	5%
							grade 6 events	13613	13984	13330	13029	15694	50940
								8%	8%	8%	7%	9%	26%
							grade 7 events	67509	64142	69734	70683	70417	56315
								41%	40%	42%	42%	41%	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	335.9948644745335
[deg] Pointing Dec	0	16.97072817145137
[deg] Pointing Roll	0.0	218.8828036536055
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	337708337.20667	337708336.18168
Observation start date	2008-09-13T15:52:17	2008-09-13T15:52:16
[s] Observation end time (MET)	337720959.05729	337720958.0323
Observation end date	2008-09-13T19:22:39	2008-09-13T19:22:38
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2012.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999692321

### A.2 Comments