

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57471 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 25 2012

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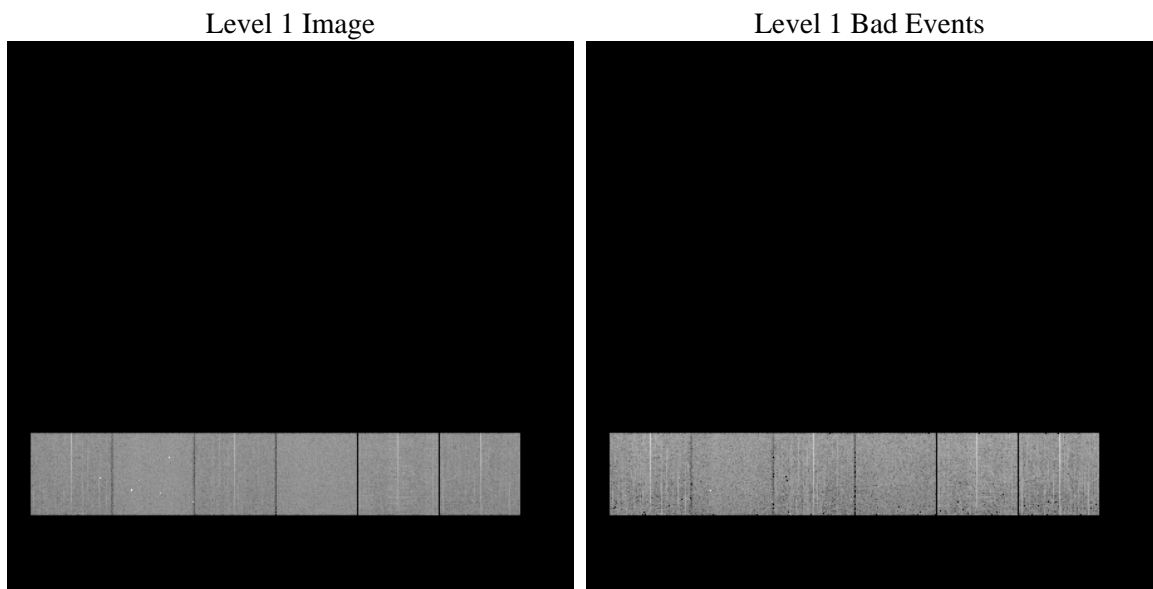
# 1 Front

seq_num	&#160	Sequence number
obs_id	57471	Observation id
title	ACIS-456789 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	92.5925674032	Nominal RA [deg]
dec_nom	18.418641922381	Nominal Dec [deg]
roll_nom	82.826947480376	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5174.3999807835	Sum of GTIs [s]
livetime	5108.8786125772	Livetime [s]
ontime4	5174.3999807835	Sum of GTIs [s]
ontime5	5174.3999807835	Sum of GTIs [s]
ontime6	5174.3999807835	Sum of GTIs [s]
ontime7	5174.3999807835	Sum of GTIs [s]
ontime8	5174.3999807835	Sum of GTIs [s]
ontime9	5174.3999807835	Sum of GTIs [s]
l2events	355787	Number of level 2 events

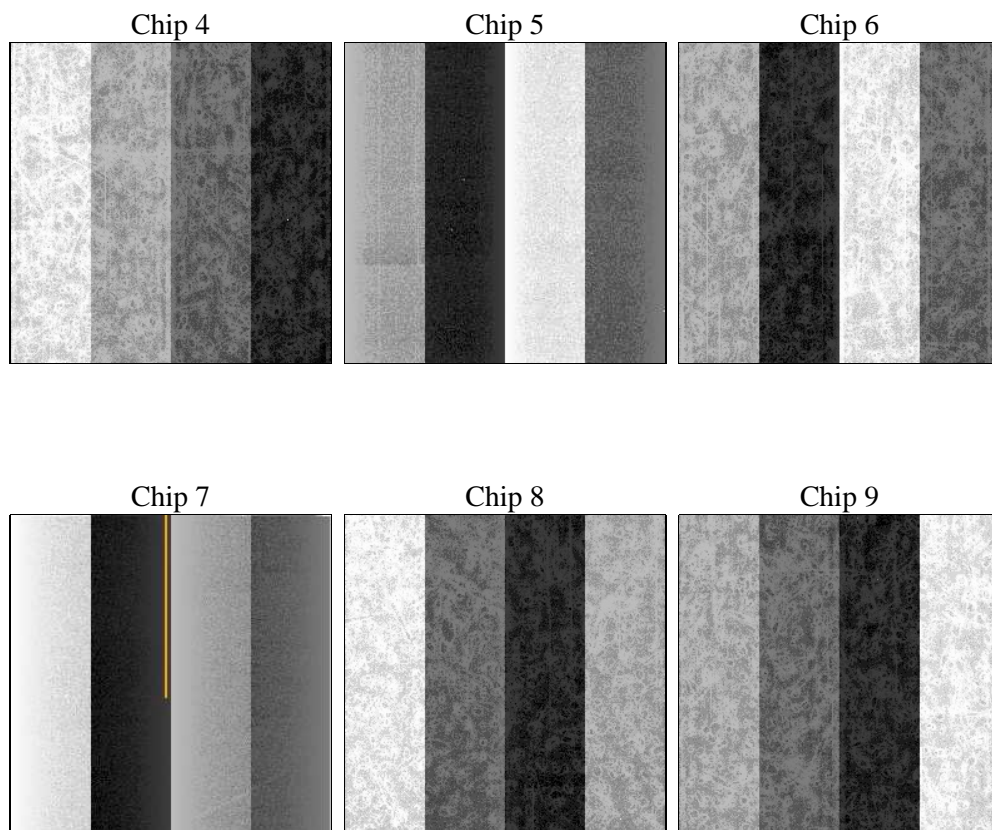
## 2 OBI

### 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	5174.3999807835	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	5174.3999807835	Sum of GTIs [s]
date	2012-05-25T18:22:19	Date and time of file creation	ontime5	5174.3999807835	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	5174.3999807835	Sum of GTIs [s]
			ontime7	5174.3999807835	Sum of GTIs [s]
			ontime8	5174.3999807835	Sum of GTIs [s]
			ontime9	5174.3999807835	Sum of GTIs [s]
			l1events	689604	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	106451	126897	106350	122409	121198	106299	grade 0 events	32045	13316	30205	15034	33057	29429
rejected events	51885	47997	49389	44696	55481	51700		30%	10%	28%	12%	27%	27%
rejected %	48%	37%	46%	36%	45%	48%	grade 1 events	318	614	189	116	233	241
								0%	0%	0%	0%	0%	0%
							grade 2 events	8559	28643	10401	17096	12275	9640
								8%	22%	9%	13%	10%	9%
							grade 3 events	3831	3523	3729	7114	4960	3665
								3%	2%	3%	5%	4%	3%
							grade 4 events	3724	3480	3788	7156	4698	3626
								3%	2%	3%	5%	3%	3%
							grade 5 events	2776	6166	2796	7053	3719	3150
								2%	4%	2%	5%	3%	2%
							grade 6 events	6983	30785	9406	32181	11415	8801
								6%	24%	8%	26%	9%	8%
							grade 7 events	48215	40370	45836	36659	50841	47747
								45%	31%	43%	29%	41%	44%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	92.5925682518177	92.59256740320035
[deg] Pointing Dec	18.4186416315947	18.41864192238107
[deg] Pointing Roll	82.82694609651453	82.8269474803764
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	344519099.692325	344519099.692325
Observation start date	2008-12-01T12:12:00	2008-12-01T11:44:59
[s] Observation end time (MET)	344526056.153509	344526056.153509
Observation end date	2008-12-01T12:12:00	2008-12-01T13:40:56
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1743999807835

### A.2 Comments