

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58240 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Apr 30 2012

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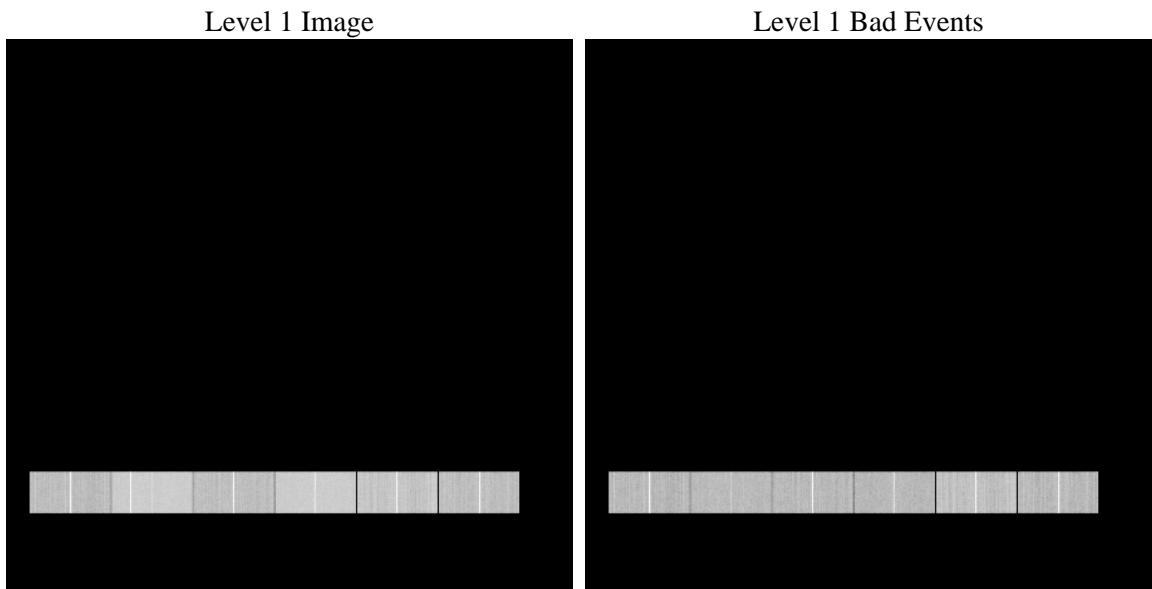
# 1 Front

seq_num	&#160	Sequence number
obs_id	58240	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	228.67153610961	Nominal RA [deg]
dec_nom	3.3708223400921	Nominal Dec [deg]
roll_nom	257.28362929595	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7702.75	Sum of GTIs [s]
livetime	7672.6611328125	Livetime [s]
ontime4	3958.2955803275	Sum of GTIs [s]
ontime5	7702.75	Sum of GTIs [s]
ontime6	4304.3367632627	Sum of GTIs [s]
ontime7	7702.75	Sum of GTIs [s]
ontime8	4400.4275602698	Sum of GTIs [s]
ontime9	4283.6925956607	Sum of GTIs [s]
l2events	381173	Number of level 2 events

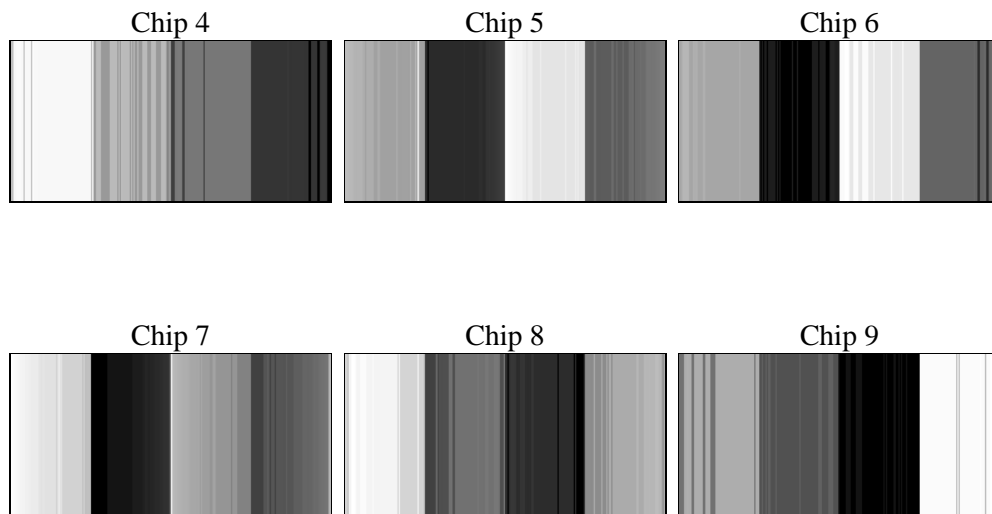
## 2 OBI

### 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	7702.75	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime4	3958.2955803275	Sum of GTIs [s]
date	2012-04-30T15:18:53	Date and time of file creation	ontime5	7702.75	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4304.3367632627	Sum of GTIs [s]
			ontime7	7702.75	Sum of GTIs [s]
			ontime8	4400.4275602698	Sum of GTIs [s]
			ontime9	4283.6925956607	Sum of GTIs [s]
			l1events	1368752	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	181019	293739	187224	278648	238773	189349	grade 0 events	5889	23514	5713	23249	10825	6337
rejected events	153643	142459	153820	137621	198310	156930		3%	8%	3%	8%	4%	3%
rejected %	84%	48%	82%	49%	83%	82%	grade 1 events	53	154	68	151	94	63
								0%	0%	0%	0%	0%	0%
							grade 2 events	33089	65481	37926	43212	39919	36150
								18%	22%	20%	15%	16%	19%
							grade 3 events	1473	3430	1369	10038	2533	1427
								0%	1%	0%	3%	1%	0%
							grade 4 events	1464	3460	1384	10193	2537	1502
								0%	1%	0%	3%	1%	0%
							grade 5 events	2151	8999	2248	10527	3028	2348
								1%	3%	1%	3%	1%	1%
							grade 6 events	10369	59147	13229	58127	15593	12651
								5%	20%	7%	20%	6%	6%
							grade 7 events	126531	129554	125287	123151	164244	128871
								69%	44%	66%	44%	68%	68%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	215.9983597593735	228.6715361096078	Subarray requested	NONE	NONE
[deg] Pointing Dec	3.370822689522839	3.3708223400921	Alternating exposures requested	N	N
[deg] Pointing Roll	257.2836292380746	257.2836292959541	[s] Primary exposure time	0	0
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119			
[mm] SIM defocus	0.8505140384245534	0.8505140384245534			
[mm] SIM translation stage pos	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	305217287.76762	305217287.76762			
Observation start date	2007-09-03T15:08:00	2007-09-03T14:34:47			
[s] Observation end time (MET)	305226809.601958	305226809.601958			
Observation end date	2007-09-03T15:08:00	2007-09-03T17:13:29			
Read mode	CONTINUOUS	CONTINUOUS			

**2.3 Star Slots**

**2.4 FID Slots**

# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.70275

## A.2 Comments