

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57373 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 29 2012

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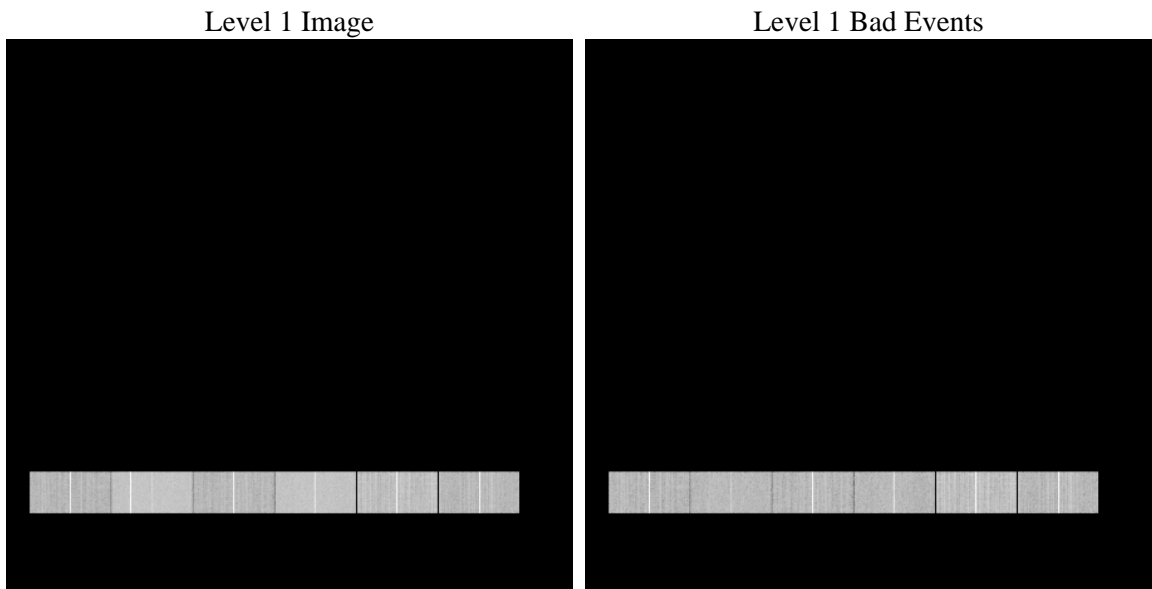
# 1 Front

seq_num	&#160	Sequence number
obs_id	57373	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	107.02869161604	Nominal RA [deg]
dec_nom	0.25084337771357	Nominal Dec [deg]
roll_nom	328.67450035449	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5655.75	Sum of GTIs [s]
livetime	5633.6572265625	Livetime [s]
ontime4	3180.3239344954	Sum of GTIs [s]
ontime5	5655.75	Sum of GTIs [s]
ontime6	3441.5158827305	Sum of GTIs [s]
ontime7	5655.75	Sum of GTIs [s]
ontime8	3517.3931376934	Sum of GTIs [s]
ontime9	3426.9244811535	Sum of GTIs [s]
l2events	238267	Number of level 2 events

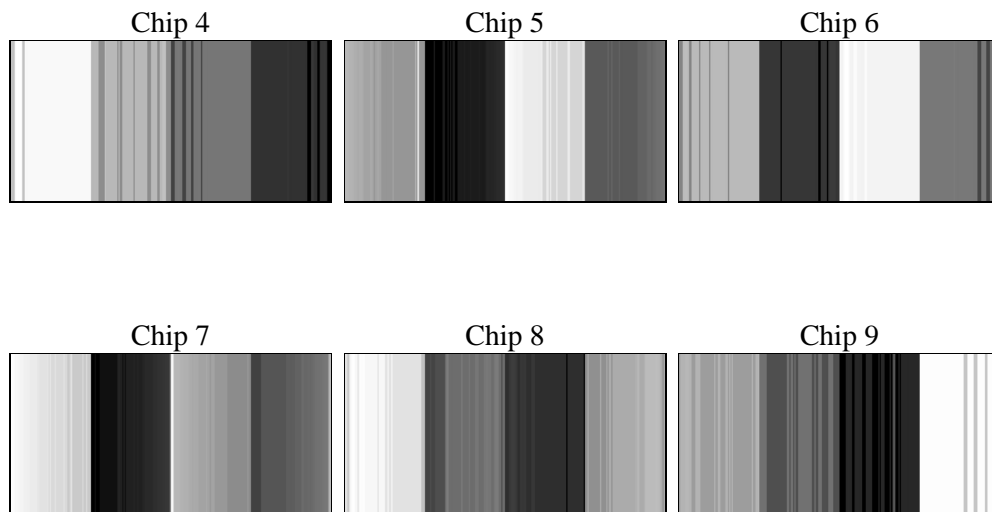
## 2 OBI

### 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	5655.75	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	3180.3239344954	Sum of GTIs [s]
date	2012-05-29T04:59:00	Date and time of file creation	ontime5	5655.75	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3441.5158827305	Sum of GTIs [s]
			ontime7	5655.75	Sum of GTIs [s]
			ontime8	3517.3931376934	Sum of GTIs [s]
			ontime9	3426.9244811535	Sum of GTIs [s]
			l1events	979625	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	130524	208611	136863	187912	175279	140436	grade 0 events	3620	19481	3288	10541	7292	3715
rejected events	112019	105519	114677	104816	146275	119397		2%	9%	2%	5%	4%	2%
rejected %	85%	50%	83%	55%	83%	85%	grade 1 events	46	122	44	115	77	35
								0%	0%	0%	0%	0%	0%
							grade 2 events	19352	40968	21756	25631	23647	20634
								14%	19%	15%	13%	13%	14%
							grade 3 events	1028	1925	1062	5013	2039	1009
								0%	0%	0%	2%	1%	0%
							grade 4 events	1150	1834	1003	4932	1974	1120
								0%	0%	0%	2%	1%	0%
							grade 5 events	1712	6395	1846	7844	2441	1905
								1%	3%	1%	4%	1%	1%
							grade 6 events	6190	38961	8069	37051	10084	7491
								4%	18%	5%	19%	5%	5%
							grade 7 events	97426	98925	99795	96785	127725	104527
								74%	47%	72%	51%	72%	74%

## 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	NONE	UPDATED
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	0	107.028691616039	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	0.2508433777135662	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	328.6745003544888	[s] Primary exposure time	0	0
[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)	348631207.195681	348631206.17068			
Observation start date	2009-01-18T02:00:07	2009-01-18T02:00:06			
[s] Observation end time (MET)	348639066.89607	348639065.87107			
Observation end date	2009-01-18T04:11:07	2009-01-18T04:11:05			
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)	2012.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.65575

### A.2 Comments