

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59276 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 17 2012

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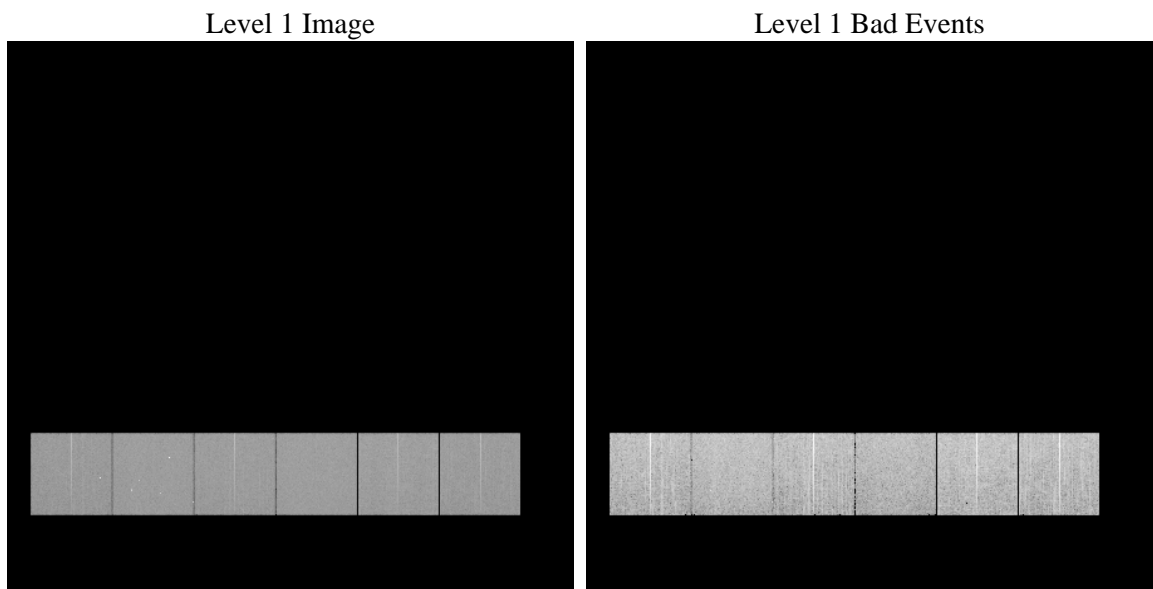
# 1 Front

seq_num	&#160	Sequence number
obs_id	59276	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	73.45898713332	Nominal RA [deg]
dec_nom	49.488060732376	Nominal Dec [deg]
roll_nom	166.55404827538	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8278.3999691606	Sum of GTIs [s]
livetime	8173.573884097	Livetime [s]
ontime4	7900.180657208	Sum of GTIs [s]
ontime5	8278.3999691606	Sum of GTIs [s]
ontime6	8236.2672349811	Sum of GTIs [s]
ontime7	8278.3999691606	Sum of GTIs [s]
ontime8	8278.3999691606	Sum of GTIs [s]
ontime9	8158.4835982025	Sum of GTIs [s]
l2events	1025654	Number of level 2 events

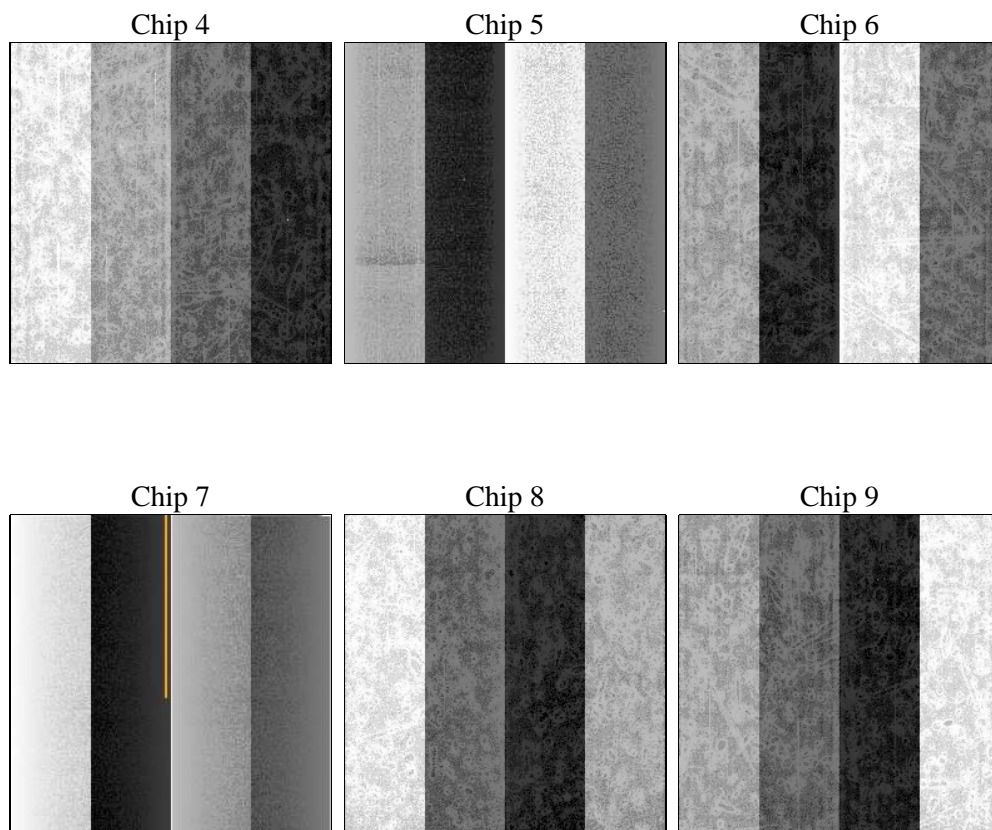
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	8278.3999691606	Sum of GTIs [s]
caldbver	4.4.8	&#160	ontime4	7900.180657208	Sum of GTIs [s]
date	2012-03-17T18:46:50	Date and time of file creation	ontime5	8278.3999691606	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8236.2672349811	Sum of GTIs [s]
			ontime7	8278.3999691606	Sum of GTIs [s]
			ontime8	8278.3999691606	Sum of GTIs [s]
			ontime9	8158.4835982025	Sum of GTIs [s]
			l1events	1480756	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	226903	248677	246458	256679	262622	239417	grade 0 events	94755	38668	97771	46901	102292	94406
rejected events	64096	62192	65262	53984	71493	67053		41%	15%	39%	18%	38%	39%
rejected %	28%	25%	26%	21%	27%	28%	grade 1 events	742	253	555	155	606	606
								0%	0%	0%	0%	0%	0%
							grade 2 events	25741	67113	31469	44051	33807	29408
								11%	26%	12%	17%	12%	12%
							grade 3 events	10744	10275	11512	20106	12929	11301
								4%	4%	4%	7%	4%	4%
							grade 4 events	10842	10084	11218	19858	12620	11161
								4%	4%	4%	7%	4%	4%
							grade 5 events	3575	9284	3959	9548	4950	4115
								1%	3%	1%	3%	1%	1%
							grade 6 events	20725	60345	29226	71779	29481	26088
								9%	24%	11%	27%	11%	10%
							grade 7 events	59779	52655	60748	44281	65937	62332
								26%	21%	24%	17%	25%	26%

## 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	0	73.45898713331977
[deg] Pointing Dec	0	49.48806073237561
[deg] Pointing Roll	0.0	166.5540482753755
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	249741890.75263	249741889.72765
Observation start date	2005-11-30T12:44:51	2005-11-30T12:44:49
[s] Observation end time (MET)	249765346.853712	249765345.82873
Observation end date	2005-11-30T19:15:47	2005-11-30T19:15:45
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)	2012.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999691606

### A.2 Comments