

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59232 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 20 2012

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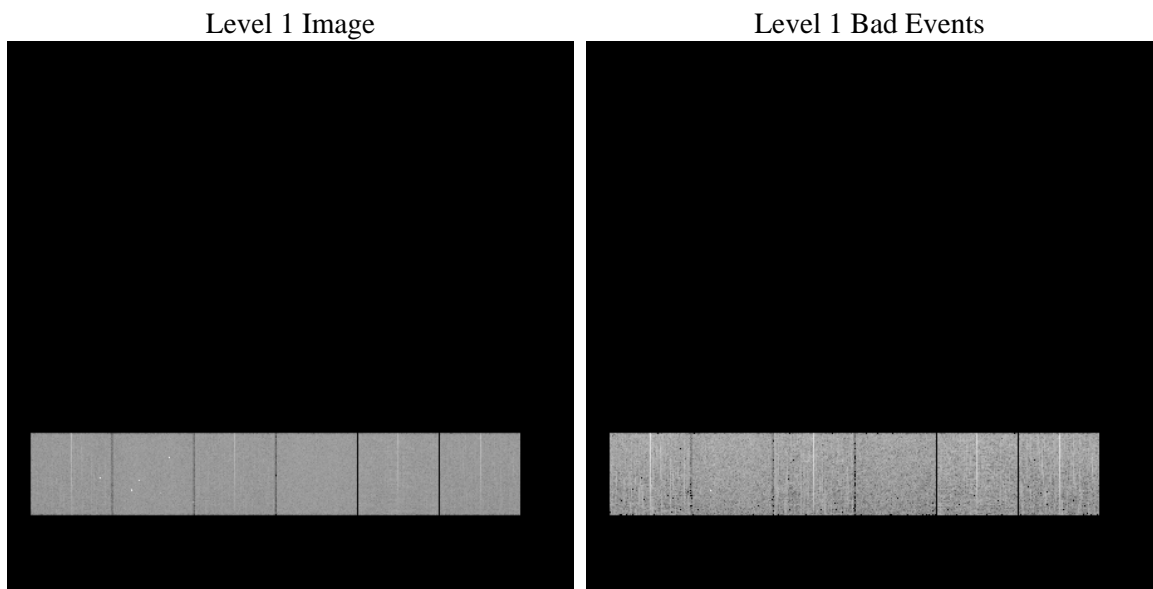
# 1 Front

seq_num	&#160	Sequence number
obs_id	59232	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	66.028292544328	Nominal RA [deg]
dec_nom	3.1952687879716	Nominal Dec [deg]
roll_nom	317.60672958361	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5304.3025868535	Sum of GTIs [s]
livetime	5237.1363136312	Livetime [s]
ontime4	5304.1794668436	Sum of GTIs [s]
ontime5	5304.2615468502	Sum of GTIs [s]
ontime6	5304.2205068469	Sum of GTIs [s]
ontime7	5304.3025868535	Sum of GTIs [s]
ontime8	5304.1384268701	Sum of GTIs [s]
ontime9	5304.3436268568	Sum of GTIs [s]
l2events	656186	Number of level 2 events

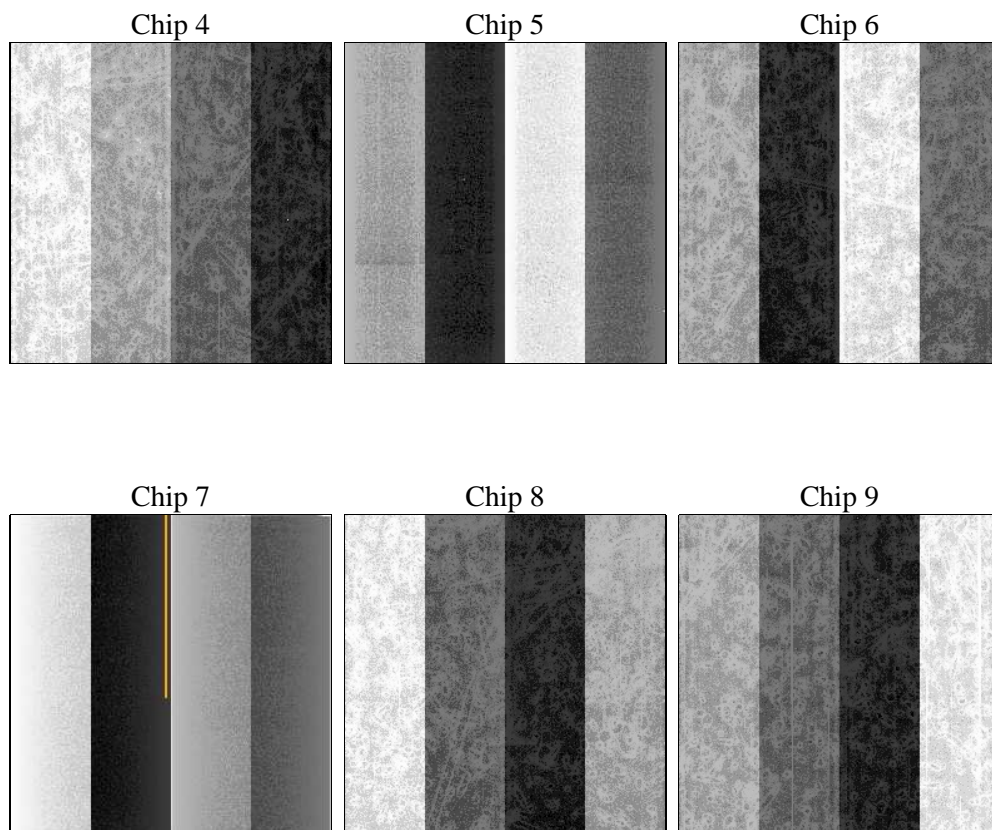
## 2 OBI

### 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	5304.3025868535	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	5304.1794668436	Sum of GTIs [s]
date	2012-03-20T05:38:43	Date and time of file creation	ontime5	5304.2615468502	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5304.2205068469	Sum of GTIs [s]
			ontime7	5304.3025868535	Sum of GTIs [s]
			ontime8	5304.1384268701	Sum of GTIs [s]
			ontime9	5304.3436268568	Sum of GTIs [s]
			l1events	953663	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	153928	159578	158255	163811	164720	153371	grade 0 events	63111	25342	62305	29813	64779	60982
rejected events	46086	39503	43012	34804	44008	42586		41%	15%	39%	18%	39%	39%
rejected %	29%	24%	27%	21%	26%	27%	grade 1 events	546	248	311	116	369	402
								0%	0%	0%	0%	0%	0%
							grade 2 events	16676	43095	20232	28192	21230	19006
								10%	27%	12%	17%	12%	12%
							grade 3 events	7108	6790	7261	12856	8057	7158
								4%	4%	4%	7%	4%	4%
							grade 4 events	7154	6601	7130	12741	8104	7101
								4%	4%	4%	7%	4%	4%
							grade 5 events	2484	5836	2595	6185	3215	2896
								1%	3%	1%	3%	1%	1%
							grade 6 events	13793	38247	18315	45405	18542	16538
								8%	23%	11%	27%	11%	10%
							grade 7 events	43056	33419	40106	28503	40424	39288
								27%	20%	25%	17%	24%	25%

## 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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	66.02829254432788	Alternating exposures requested	N	N
[deg] Pointing Dec	0	3.195268787971599	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	317.6067295836099			
[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)	251299560.77468	251299559.74969			
Observation start date	2005-12-18T13:26:01	2005-12-18T13:25:59			
[s] Observation end time (MET)	251316385.125458	251316384.10047			
Observation end date	2005-12-18T18:06:25	2005-12-18T18:06:24			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.03.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.3043025868535

### A.2 Comments