

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59237 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 20 2012

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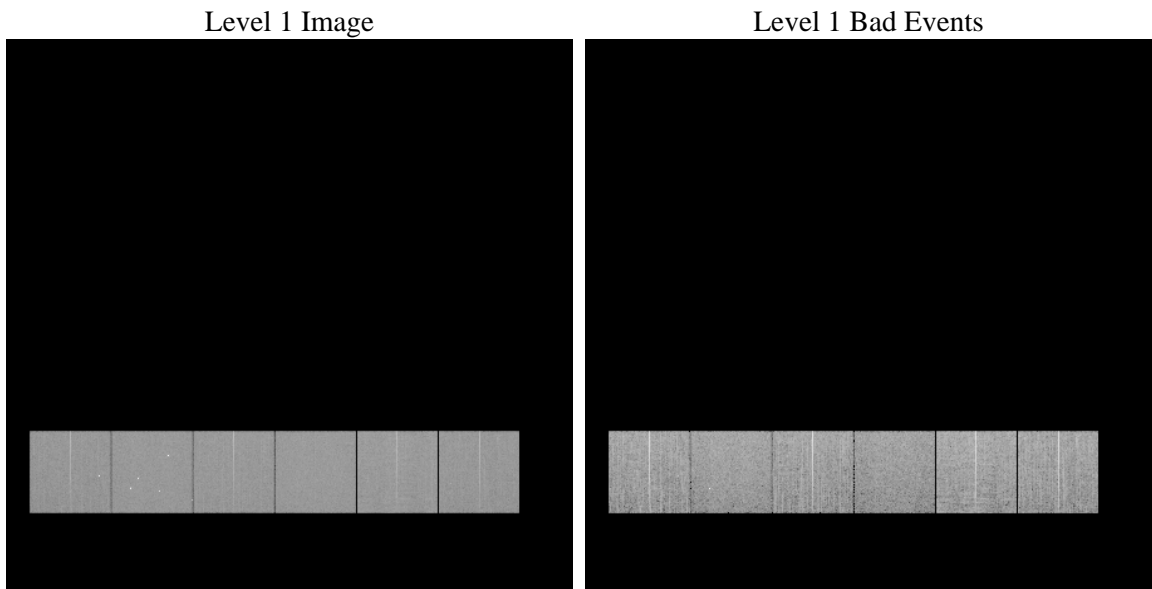
# 1 Front

seq_num	&#160	Sequence number
obs_id	59237	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	95.01661517539	Nominal RA [deg]
dec_nom	-2.9766964299188	Nominal Dec [deg]
roll_nom	21.71809567693	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999691725	Sum of GTIs [s]
livetime	8170.4144044356	Livetime [s]
ontime4	7879.7999733686	Sum of GTIs [s]
ontime5	8275.1999691725	Sum of GTIs [s]
ontime6	8226.5851847231	Sum of GTIs [s]
ontime7	8275.1999691725	Sum of GTIs [s]
ontime8	8271.9290120304	Sum of GTIs [s]
ontime9	8126.1147354245	Sum of GTIs [s]
l2events	1011902	Number of level 2 events

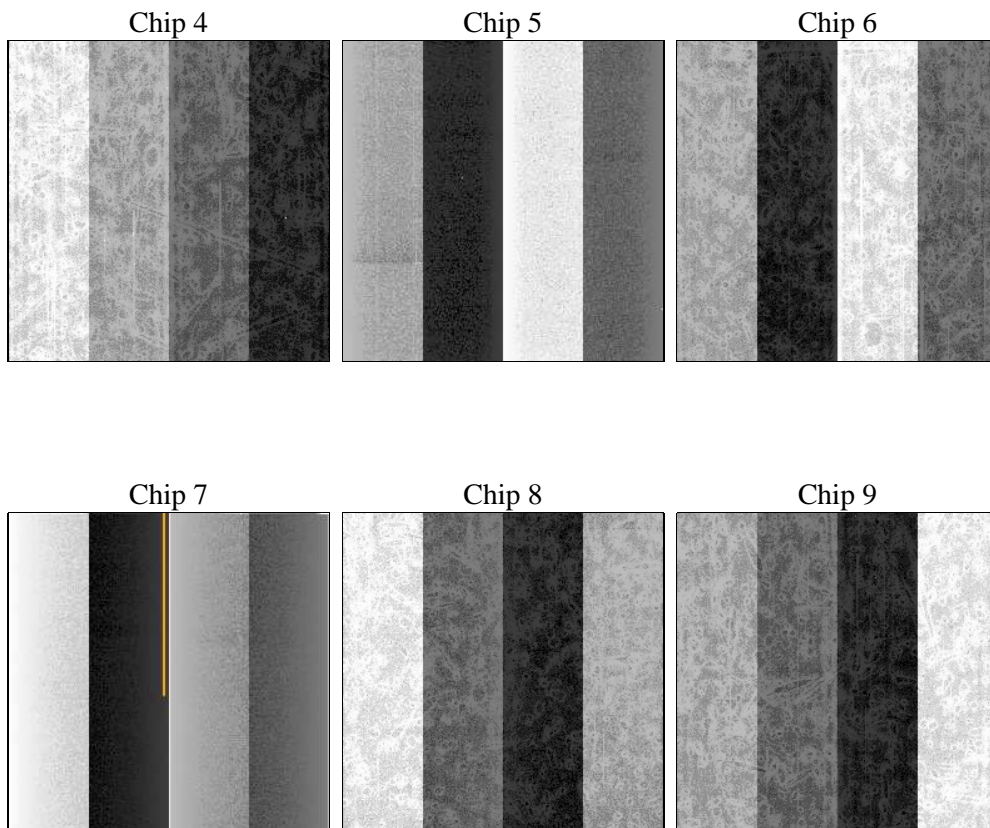
## 2 OBI

### 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	8275.1999691725	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	7879.7999733686	Sum of GTIs [s]
date	2012-03-20T04:49:34	Date and time of file creation	ontime5	8275.1999691725	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8226.5851847231	Sum of GTIs [s]
			ontime7	8275.1999691725	Sum of GTIs [s]
			ontime8	8271.9290120304	Sum of GTIs [s]
			ontime9	8126.1147354245	Sum of GTIs [s]
			l1events	1480377	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	229387	249209	245477	254652	263473	238179	grade 0 events	94067	40915	95969	46573	100892	93100
rejected events	67954	61377	66993	55093	74613	68373		41%	16%	39%	18%	38%	39%
rejected %	29%	24%	27%	21%	28%	28%	grade 1 events	758	182	544	137	584	607
								0%	0%	0%	0%	0%	0%
							grade 2 events	25366	66790	31570	43685	33308	29040
								11%	26%	12%	17%	12%	12%
							grade 3 events	10815	10591	11136	19850	12659	11159
								4%	4%	4%	7%	4%	4%
							grade 4 events	10802	10169	11312	19386	12349	10959
								4%	4%	4%	7%	4%	4%
							grade 5 events	3845	9414	4097	9608	4978	4260
								1%	3%	1%	3%	1%	1%
							grade 6 events	20443	59451	28582	70139	29711	25616
								8%	23%	11%	27%	11%	10%
							grade 7 events	63291	51697	62267	45274	68992	63438
								27%	20%	25%	17%	26%	26%

## 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	95.01661517539007	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-2.976696429918804	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	21.71809567693008			
[mm] SIM focus pos	-0.684267	-1.428180813131781			
[mm] SIM defocus	0	0.1051558262725154			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	251110921.815953	251110920.79096			
Observation start date	2005-12-16T09:02:02	2005-12-16T09:02:00			
[s] Observation end time (MET)	251134951.917065	251134950.89207			
Observation end date	2005-12-16T15:42:32	2005-12-16T15:42:30			
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	8.2751999691725

### A.2 Comments