

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59127 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 25 2012

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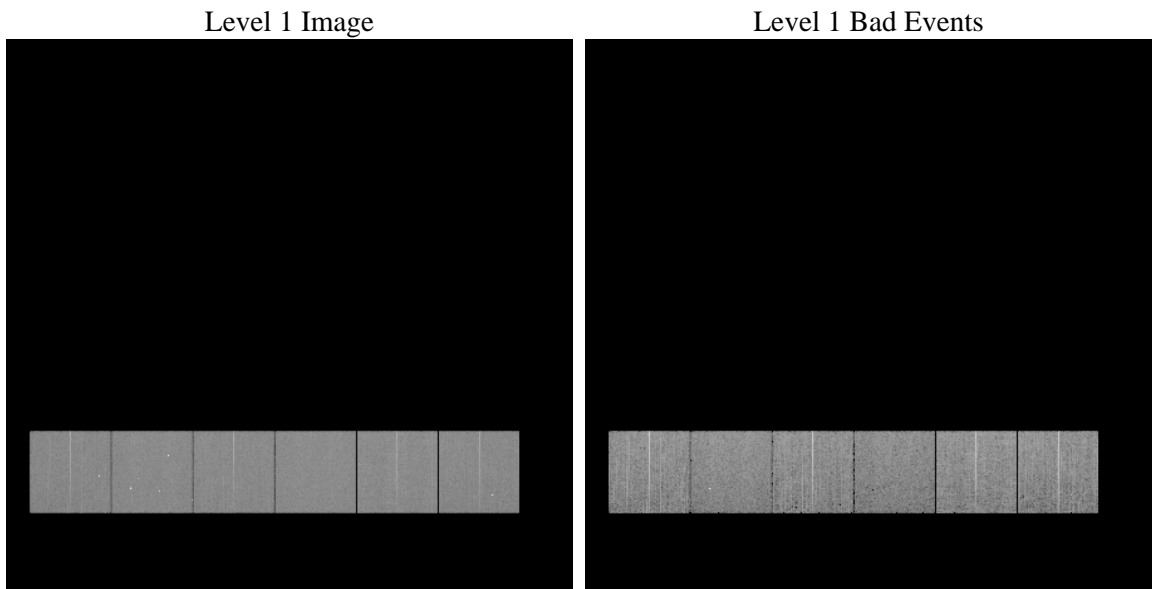
# 1 Front

seq_num	&#160	Sequence number
obs_id	59127	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	125.02796126438	Nominal RA [deg]
dec_nom	-7.504092372647	Nominal Dec [deg]
roll_nom	321.46596083979	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7795.1999709606	Sum of GTIs [s]
livetime	7696.4924552224	Livetime [s]
ontime4	7578.0538817644	Sum of GTIs [s]
ontime5	7795.1999709606	Sum of GTIs [s]
ontime6	7795.1999709606	Sum of GTIs [s]
ontime7	7795.1999709606	Sum of GTIs [s]
ontime8	7795.1999709606	Sum of GTIs [s]
ontime9	7791.9589906931	Sum of GTIs [s]
l2events	931395	Number of level 2 events

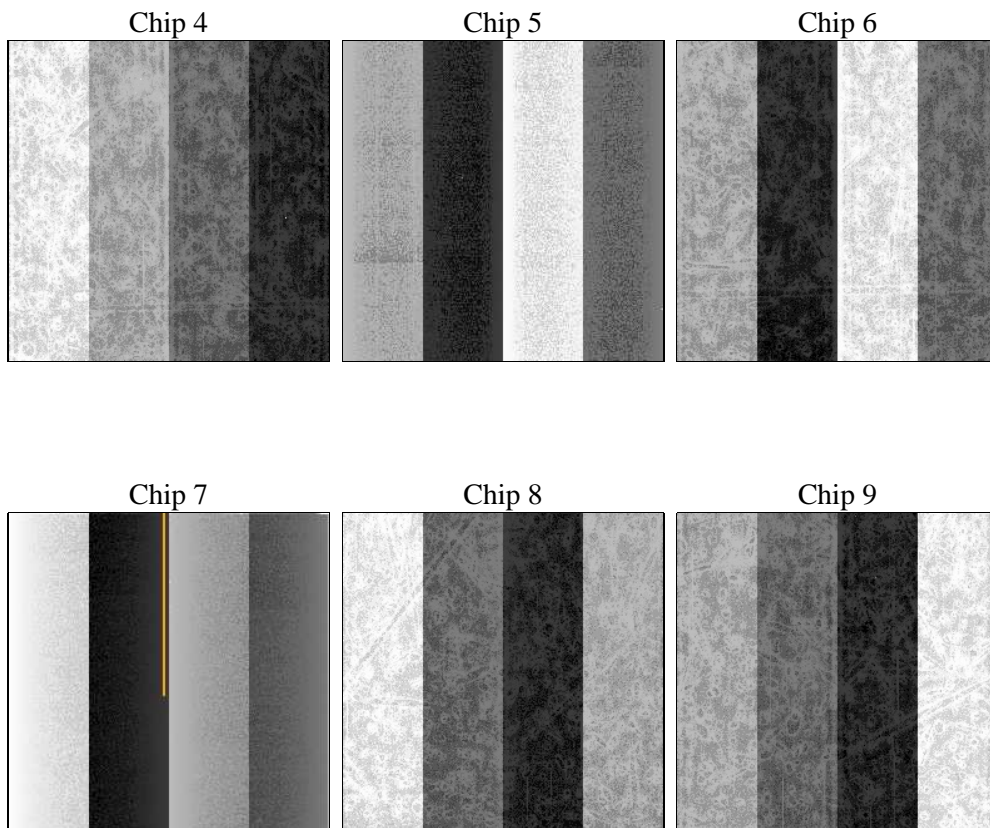
## 2 OBI

### 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	7795.1999709606	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	7578.0538817644	Sum of GTIs [s]
date	2012-03-25T03:35:25	Date and time of file creation	ontime5	7795.1999709606	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7795.1999709606	Sum of GTIs [s]
			ontime7	7795.1999709606	Sum of GTIs [s]
			ontime8	7795.1999709606	Sum of GTIs [s]
			ontime9	7791.9589906931	Sum of GTIs [s]
			l1events	1393861	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	217787	233519	231141	238046	244111	229257	grade 0 events	86386	34130	88547	42094	91542	89946
rejected events	68962	61326	66956	54091	71571	67750		39%	14%	38%	17%	37%	39%
rejected %	31%	26%	28%	22%	29%	29%	grade 1 events	719	254	525	137	527	623
								0%	0%	0%	0%	0%	0%
							grade 2 events	23587	62897	28794	39968	30969	27090
								10%	26%	12%	16%	12%	11%
							grade 3 events	9945	9452	10308	18036	11597	10350
								4%	4%	4%	7%	4%	4%
							grade 4 events	9957	9194	10369	18343	11472	10247
								4%	3%	4%	7%	4%	4%
							grade 5 events	3725	9322	4036	9361	4814	4351
								1%	3%	1%	3%	1%	1%
							grade 6 events	19036	56580	26228	65586	27039	23930
								8%	24%	11%	27%	11%	10%
							grade 7 events	64432	51690	62334	44521	66151	62720
								29%	22%	26%	18%	27%	27%

## 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	125.0279612643832	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-7.504092372646962	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	321.4659608397884			
[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)	255866671.936347	255866670.91135			
Observation start date	2006-02-09T10:04:32	2006-02-09T10:04:30			
[s] Observation end time (MET)	255887444.587311	255887443.56232			
Observation end date	2006-02-09T15:50:45	2006-02-09T15:50:43			
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)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7951999709606

### A.2 Comments