

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59147 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 24 2012

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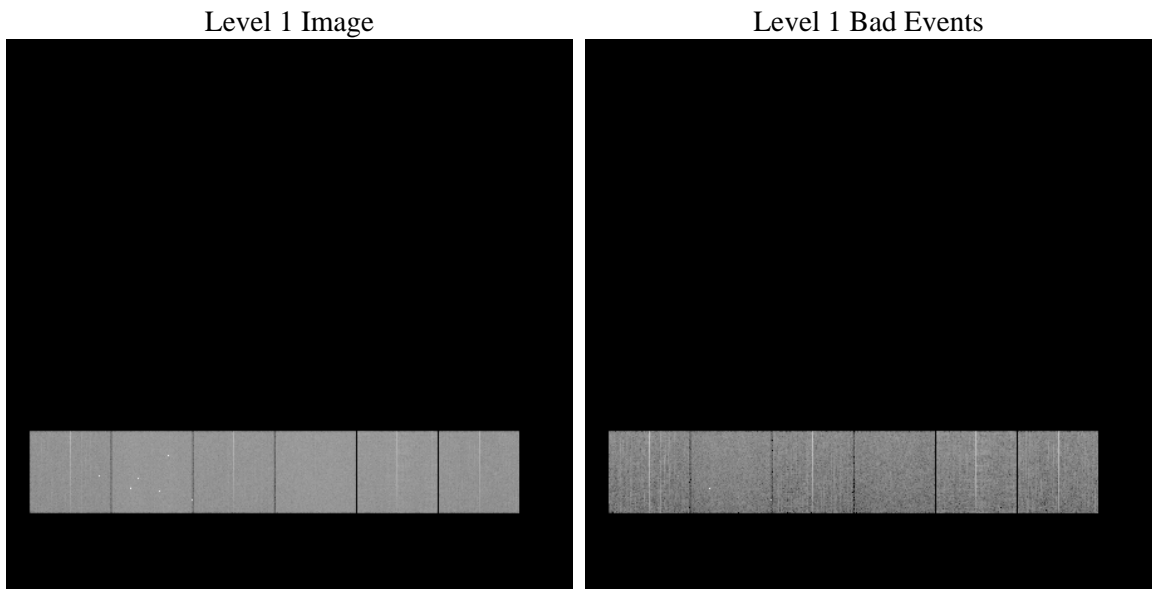
# 1 Front

seq_num	&#160	Sequence number
obs_id	59147	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	148.96079495448	Nominal RA [deg]
dec_nom	43.000846635363	Nominal Dec [deg]
roll_nom	145.46974621474	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7797.0279410481	Sum of GTIs [s]
livetime	7698.297278452	Livetime [s]
ontime4	6730.6249333024	Sum of GTIs [s]
ontime5	7796.9869010448	Sum of GTIs [s]
ontime6	7161.7156911194	Sum of GTIs [s]
ontime7	7797.0279410481	Sum of GTIs [s]
ontime8	7398.2242836654	Sum of GTIs [s]
ontime9	7038.6816306114	Sum of GTIs [s]
l2events	965635	Number of level 2 events

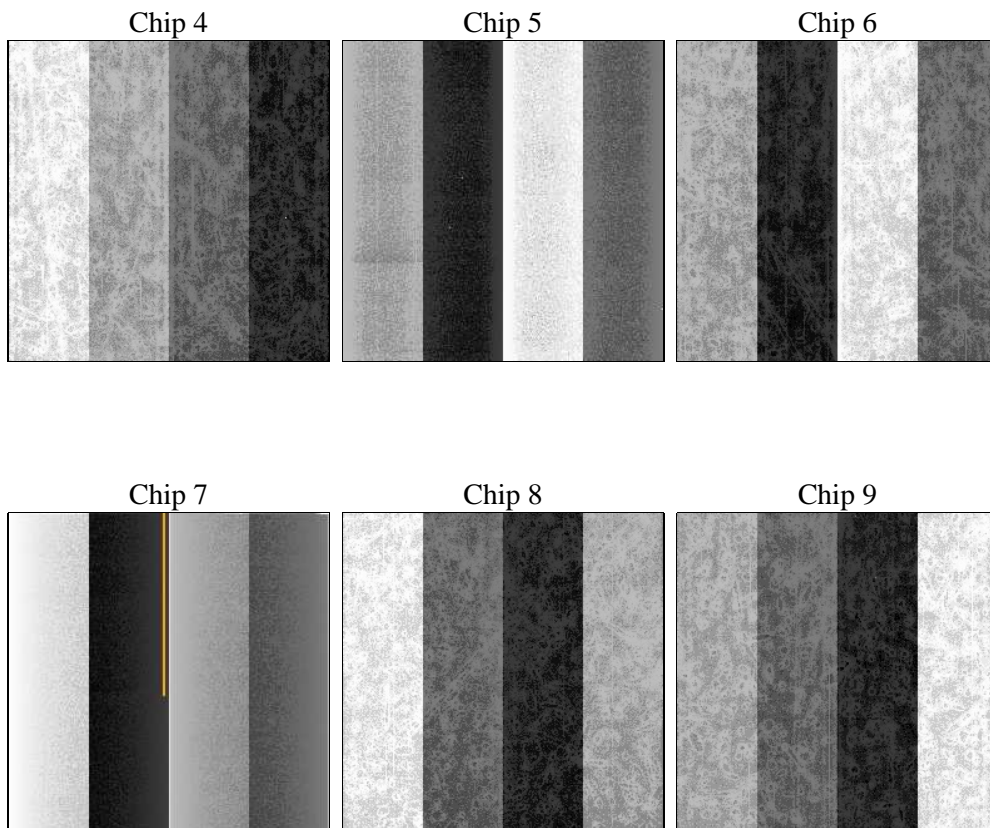
## 2 OBI

### 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	7797.0279410481	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	6730.6249333024	Sum of GTIs [s]
date	2012-03-24T09:23:41	Date and time of file creation	ontime5	7796.9869010448	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7161.7156911194	Sum of GTIs [s]
			ontime7	7797.0279410481	Sum of GTIs [s]
			ontime8	7398.2242836654	Sum of GTIs [s]
			ontime9	7038.6816306114	Sum of GTIs [s]
			l1events	1402478	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	208724	250089	226575	251083	247763	218244	grade 0 events	85196	40231	88655	45721	95551	85445
rejected events	61940	61629	60421	53457	67124	61098		40%	16%	39%	18%	38%	39%
rejected %	29%	24%	26%	21%	27%	27%	grade 1 events	736	517	530	141	598	566
								0%	0%	0%	0%	0%	0%
							grade 2 events	22657	67869	28916	43406	32052	26734
								10%	27%	12%	17%	12%	12%
							grade 3 events	9688	9929	10154	19266	11957	10109
								4%	3%	4%	7%	4%	4%
							grade 4 events	9789	9911	10252	18940	11944	10055
								4%	3%	4%	7%	4%	4%
							grade 5 events	3336	8982	3601	9001	4520	3873
								1%	3%	1%	3%	1%	1%
							grade 6 events	19454	60520	28177	70293	29135	24803
								9%	24%	12%	27%	11%	11%
							grade 7 events	57868	52130	56290	44315	62006	56659
								27%	20%	24%	17%	25%	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	148.9607949544787	Alternating exposures requested	N	N
[deg] Pointing Dec	0	43.00084663536266	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	145.4697462147432			
[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)	254957759.294171	254957758.26918			
Observation start date	2006-01-29T21:35:59	2006-01-29T21:35:58			
[s] Observation end time (MET)	254971434.844804	254971433.81982			
Observation end date	2006-01-30T01:23:55	2006-01-30T01:23:53			
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)	2012.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7970279410481

### A.2 Comments