

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56143 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 29 2012

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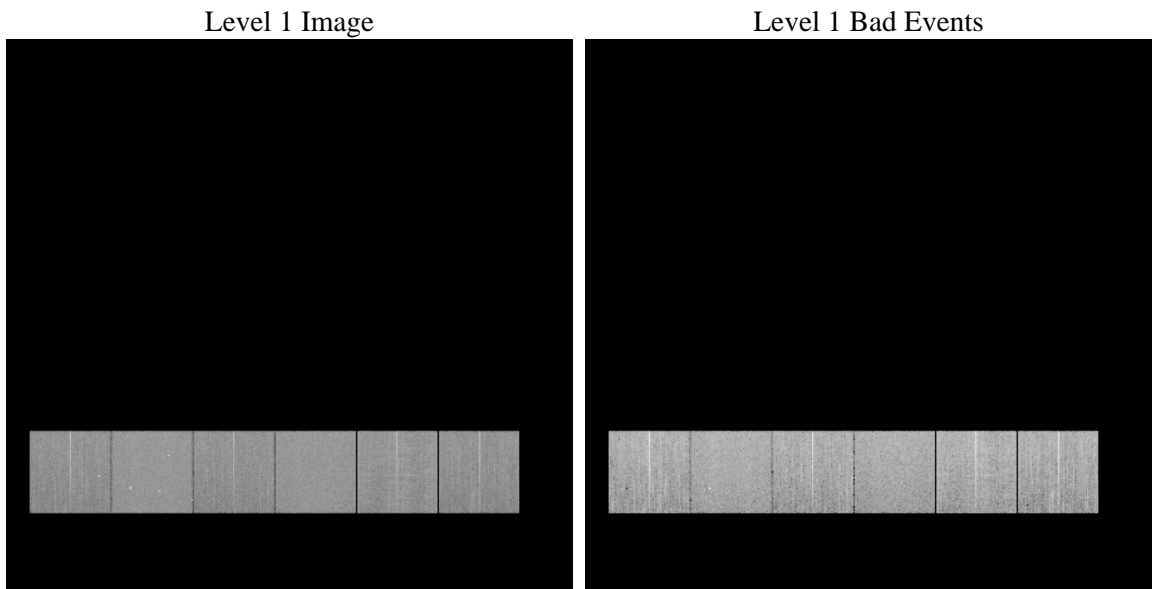
# 1 Front

seq_num	&#160	Sequence number
obs_id	56143	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	318.49344209807	Nominal RA [deg]
dec_nom	-37.5692390834	Nominal Dec [deg]
roll_nom	68.661239671993	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8195.1999695301	Sum of GTIs [s]
livetime	8091.4274129589	Livetime [s]
ontime4	8195.1999695301	Sum of GTIs [s]
ontime5	8195.1999695301	Sum of GTIs [s]
ontime6	8195.1999695301	Sum of GTIs [s]
ontime7	8195.1999695301	Sum of GTIs [s]
ontime8	8195.1999695301	Sum of GTIs [s]
ontime9	8191.9589891434	Sum of GTIs [s]
l2events	414453	Number of level 2 events

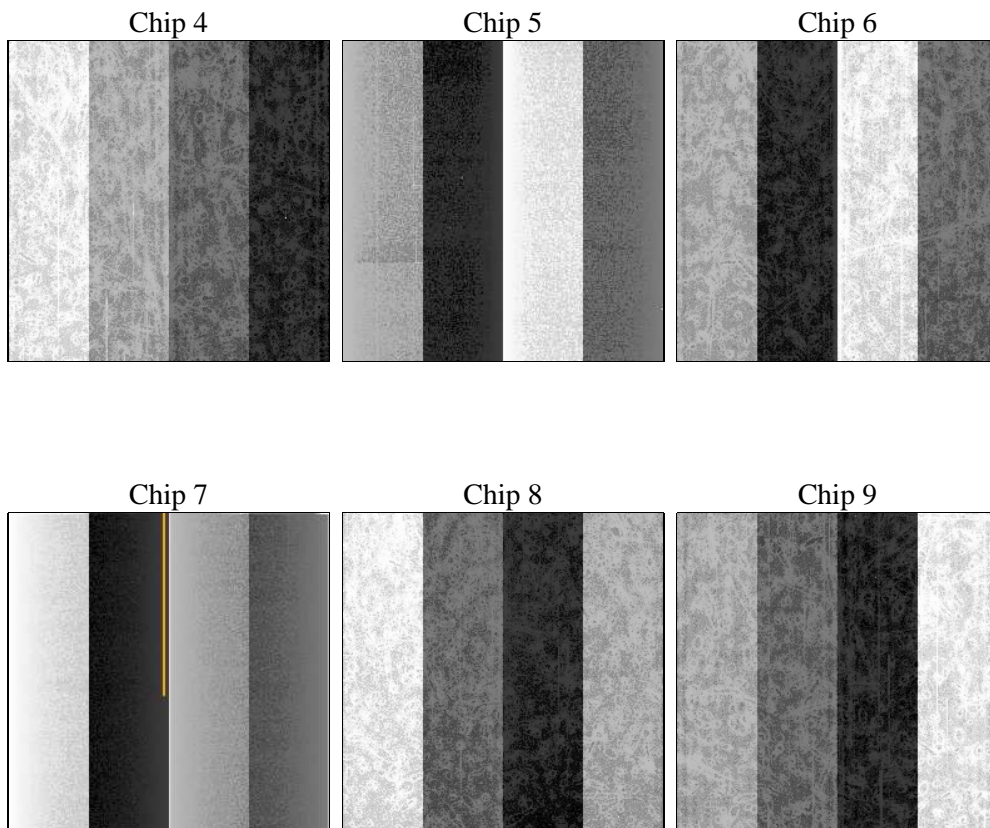
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	8195.1999695301	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime4	8195.1999695301	Sum of GTIs [s]
date	2012-06-30T02:21:17	Date and time of file creation	ontime5	8195.1999695301	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8195.1999695301	Sum of GTIs [s]
			ontime7	8195.1999695301	Sum of GTIs [s]
			ontime8	8195.1999695301	Sum of GTIs [s]
			ontime9	8191.9589891434	Sum of GTIs [s]
			l1events	893458	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	135325	170639	134117	163300	156304	133773	grade 0 events	35112	15143	33305	17140	37203	32584
rejected events	74582	71071	70953	67661	78814	72534		25%	8%	24%	10%	23%	24%
rejected %	55%	41%	52%	41%	50%	54%	grade 1 events	330	191	191	135	226	231
								0%	0%	0%	0%	0%	0%
							grade 2 events	9622	34858	11587	20811	15116	10937
								7%	20%	8%	12%	9%	8%
							grade 3 events	4383	4375	4206	8976	5830	4276
								3%	2%	3%	5%	3%	3%
							grade 4 events	4223	4279	4159	8864	5678	4245
								3%	2%	3%	5%	3%	3%
							grade 5 events	4031	9166	4236	10765	5619	4741
								2%	5%	3%	6%	3%	3%
							grade 6 events	8016	41946	10589	40827	14406	9851
								5%	24%	7%	25%	9%	7%
							grade 7 events	69608	60681	65844	55782	72226	66908
								51%	35%	49%	34%	46%	50%

## 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	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	318.4934420980703	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-37.56923908339962	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	68.66123967199302	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
[mm] SIM translation stage pos	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	395016137.228624	395016137.228624			
Observation start date	2010-07-08T22:42:17	2010-07-08T22:42:17			
[s] Observation end time (MET)	395025686.109152	395025686.109152			
Observation end date	2010-07-09T01:21:26	2010-07-09T01:21:26			
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)	2012.07.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1951999695301

### A.2 Comments