

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62180 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Aug 22 2012

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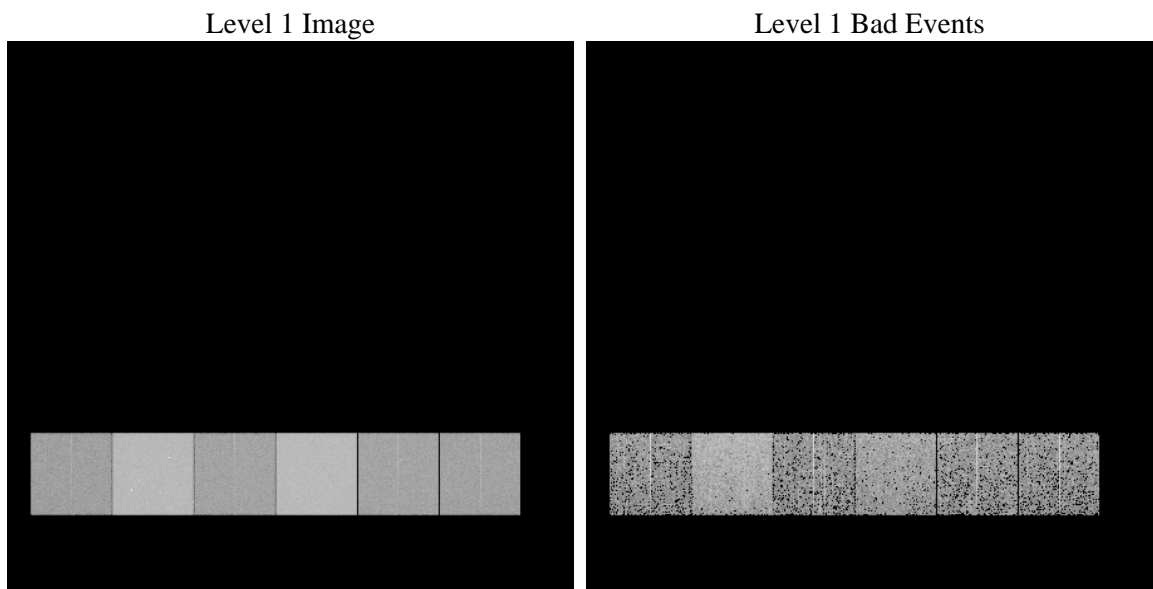
# 1 Front

seq_num	&#160	Sequence number
obs_id	62180	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	52.825613215901	Nominal RA [deg]
dec_nom	43.882290795043	Nominal Dec [deg]
roll_nom	280.51505812624	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2880.0251136124	Sum of GTIs [s]
livetime	2843.5565014809	Livetime [s]
ontime4	1140.8447456807	Sum of GTIs [s]
ontime5	3077.6834348366	Sum of GTIs [s]
ontime6	1231.5938658565	Sum of GTIs [s]
ontime7	2880.0251136124	Sum of GTIs [s]
ontime8	1270.4862062857	Sum of GTIs [s]
ontime9	1208.9065060169	Sum of GTIs [s]
l2events	926825	Number of level 2 events

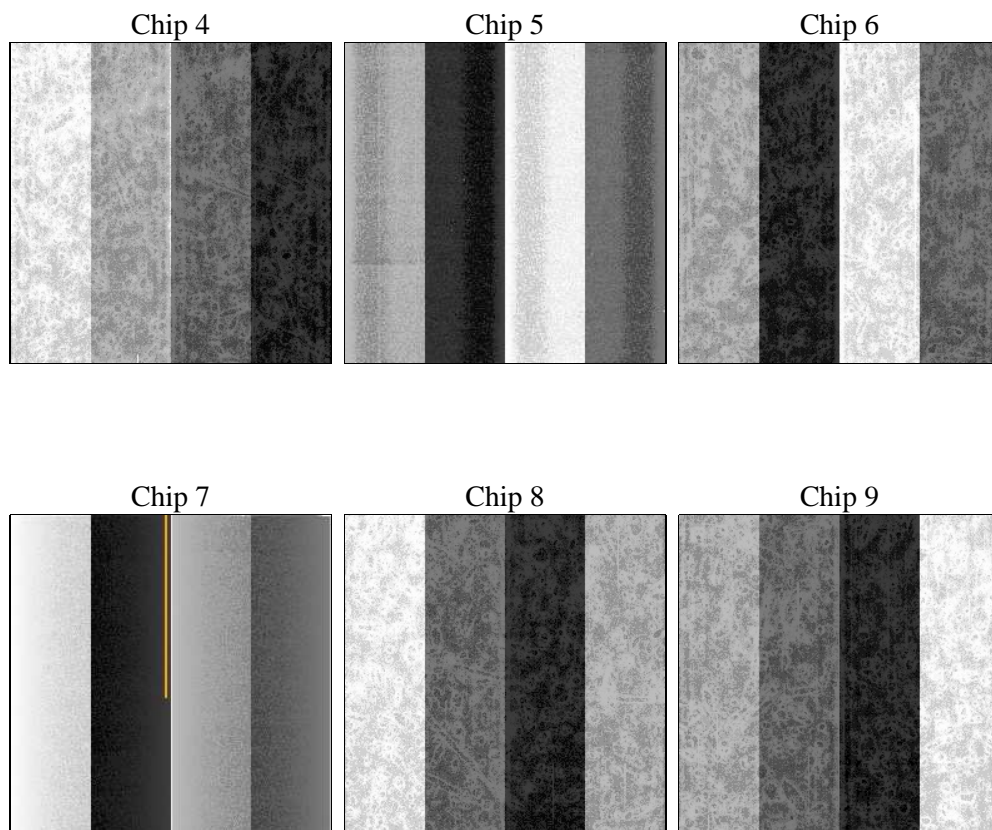
## 2 OBI

### 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	2880.0251136124	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	1140.8447456807	Sum of GTIs [s]
date	2012-08-22T13:52:32	Date and time of file creation	ontime5	3077.6834348366	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	1231.5938658565	Sum of GTIs [s]
			ontime7	2880.0251136124	Sum of GTIs [s]
			ontime8	1270.4862062857	Sum of GTIs [s]
			ontime9	1208.9065060169	Sum of GTIs [s]
			l1events	1064837	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	112325	279112	129490	288074	133185	122651	grade 0 events	55750	64073	63419	69424	65443	60553
rejected events	13372	27101	13329	17696	14080	12986		49%	22%	48%	24%	49%	49%
rejected %	11%	9%	10%	6%	10%	10%	grade 1 events	394	228	413	221	388	423
								0%	0%	0%	0%	0%	0%
							grade 2 events	17418	87911	19828	59626	21056	19305
								15%	31%	15%	20%	15%	15%
							grade 3 events	6147	16568	7107	27456	7435	6634
								5%	5%	5%	9%	5%	5%
							grade 4 events	6060	16624	7143	27057	7471	6736
								5%	5%	5%	9%	5%	5%
							grade 5 events	881	5646	1038	4075	1104	954
								0%	2%	0%	1%	0%	0%
							grade 6 events	13578	66835	18664	86815	17700	16437
								12%	23%	14%	30%	13%	13%
							grade 7 events	12097	21227	11878	13400	12588	11609
								10%	7%	9%	4%	9%	9%

## 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	52.82561321590074	Alternating exposures requested	N	N
[deg] Pointing Dec	0	43.88229079504261	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	280.5150581262426			
[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)	66517942.204099	66517941.435629			
Observation start date	2000-02-09T21:12:22	2000-02-09T21:12:21			
[s] Observation end time (MET)	66525242.254365	66525241.485895			
Observation end date	2000-02-09T23:14:02	2000-02-09T23:14:01			
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)	2012.08.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.8800251136124

### **A.2 Comments**