

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56180 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 28 2012

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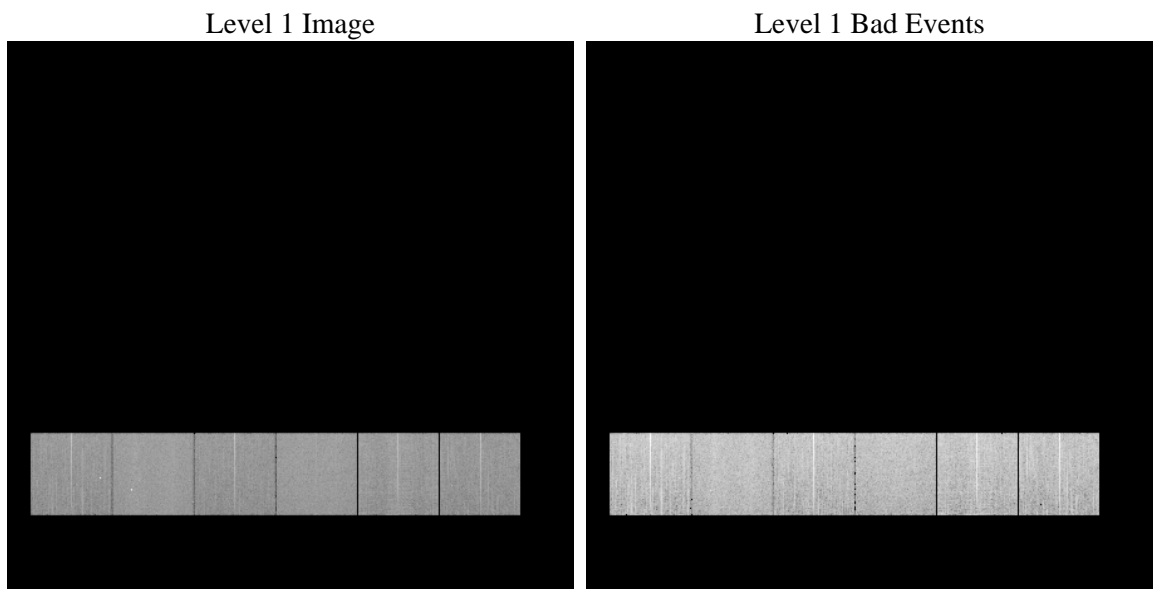
# 1 Front

seq_num	&#160	Sequence number
obs_id	56180	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	262.97760160258	Nominal RA [deg]
dec_nom	6.9818319677904	Nominal Dec [deg]
roll_nom	186.33471469554	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8274.3256883621	Sum of GTIs [s]
livetime	8169.5511942953	Livetime [s]
ontime4	8274.2025683522	Sum of GTIs [s]
ontime5	8274.2846483588	Sum of GTIs [s]
ontime6	8274.2436083555	Sum of GTIs [s]
ontime7	8274.3256883621	Sum of GTIs [s]
ontime8	8274.1615283489	Sum of GTIs [s]
ontime9	8274.3270525336	Sum of GTIs [s]
l2events	426521	Number of level 2 events

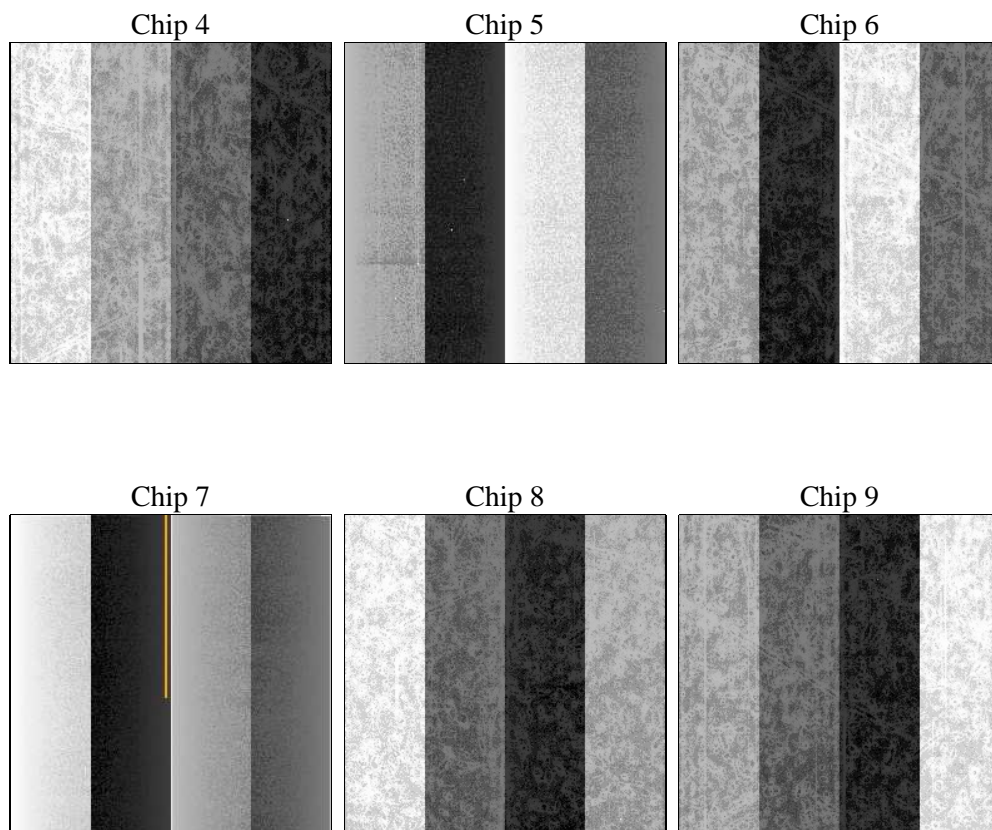
## 2 OBI

### 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	8274.3256883621	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime4	8274.2025683522	Sum of GTIs [s]
date	2012-06-28T21:30:46	Date and time of file creation	ontime5	8274.2846483588	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8274.2436083555	Sum of GTIs [s]
			ontime7	8274.3256883621	Sum of GTIs [s]
			ontime8	8274.1615283489	Sum of GTIs [s]
			ontime9	8274.3270525336	Sum of GTIs [s]
			l1events	905412	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	142389	168473	136608	163422	156326	138194	grade 0 events	36397	10449	32696	16379	37798	33836
rejected events	79668	70721	70841	66766	78468	74022		25%	6%	23%	10%	24%	24%
rejected %	55%	41%	51%	40%	50%	53%	grade 1 events	377	212	167	131	241	229
								0%	0%	0%	0%	0%	0%
							grade 2 events	9289	36965	13413	21369	14703	11232
								6%	21%	9%	13%	9%	8%
							grade 3 events	4450	3406	3930	8351	5661	4239
								3%	2%	2%	5%	3%	3%
							grade 4 events	4346	3205	4165	8087	5441	4272
								3%	1%	3%	4%	3%	3%
							grade 5 events	3896	7949	3878	9964	5327	4389
								2%	4%	2%	6%	3%	3%
							grade 6 events	8239	43727	11563	42470	14255	10593
								5%	25%	8%	25%	9%	7%
							grade 7 events	75395	62560	66796	56671	72900	69404
								52%	37%	48%	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	NONE	UPDATED
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	262.9776016025755	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	6.981831967790422	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	186.3347146955378	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	393224558.087158	393224557.06218			
Observation start date	2010-06-18T05:02:38	2010-06-18T05:02:37			
[s] Observation end time (MET)	393236530.087769	393236529.06279			
Observation end date	2010-06-18T08:22:10	2010-06-18T08:22:09			
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)	2012.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2743256883621

### A.2 Comments