

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56483 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 20 2012

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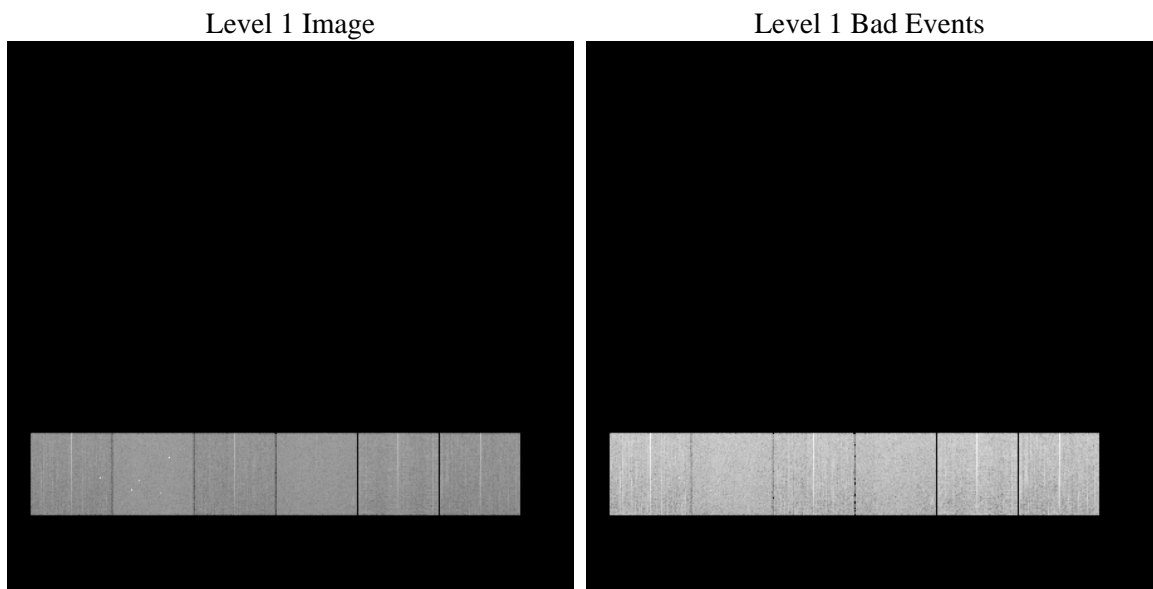
# 1 Front

seq_num	&#160	Sequence number
obs_id	56483	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	152.06849938113	Nominal RA [deg]
dec_nom	2.0105021919172	Nominal Dec [deg]
roll_nom	50.952515314566	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8149.2556393743	Sum of GTIs [s]
livetime	8046.0648575759	Livetime [s]
ontime4	8149.1325193644	Sum of GTIs [s]
ontime5	8149.214599371	Sum of GTIs [s]
ontime6	8149.1735593677	Sum of GTIs [s]
ontime7	8149.2556393743	Sum of GTIs [s]
ontime8	8149.0914793611	Sum of GTIs [s]
ontime9	8149.2966793776	Sum of GTIs [s]
l2events	456119	Number of level 2 events

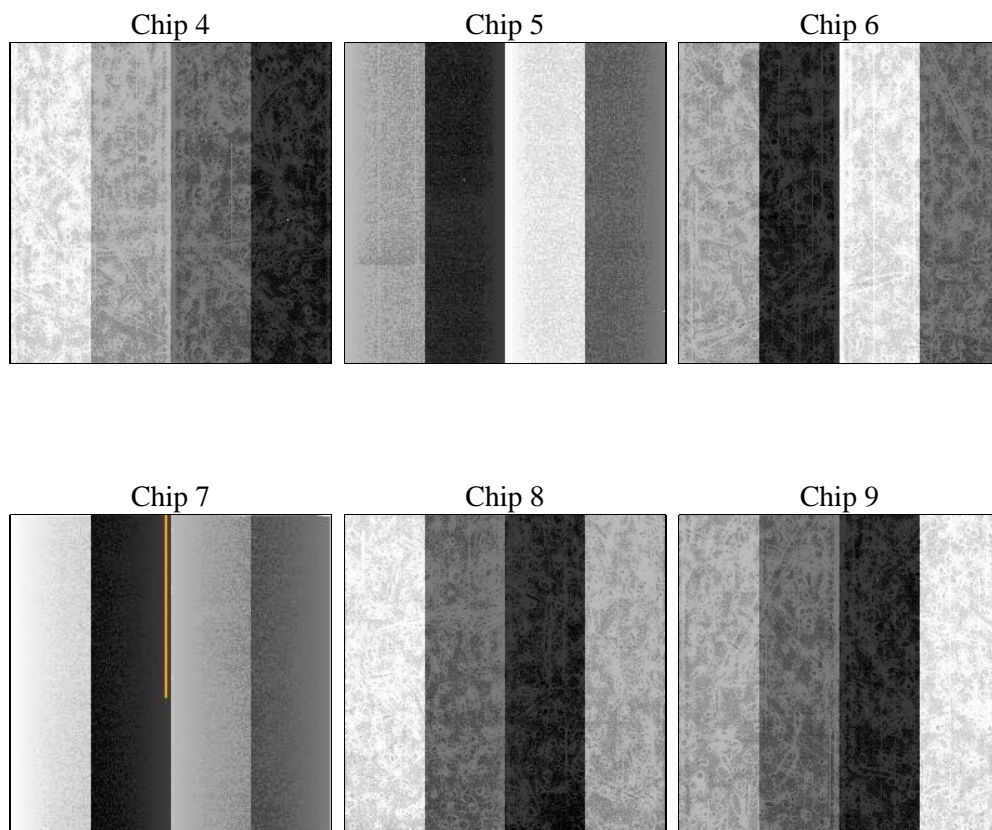
## 2 OBI

### 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	8149.2556393743	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime4	8149.1325193644	Sum of GTIs [s]
date	2012-06-20T14:09:41	Date and time of file creation	ontime5	8149.214599371	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8149.1735593677	Sum of GTIs [s]
			ontime7	8149.2556393743	Sum of GTIs [s]
			ontime8	8149.0914793611	Sum of GTIs [s]
			ontime9	8149.2966793776	Sum of GTIs [s]
			l1events	984171	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	150603	187013	148331	178215	171166	148843	grade 0 events	38770	16588	36508	18700	41203	36504
rejected events	83819	77694	78942	73525	87206	81423		25%	8%	24%	10%	24%	24%
rejected %	55%	41%	53%	41%	50%	54%	grade 1 events	421	210	255	173	295	287
								0%	0%	0%	0%	0%	0%
							grade 2 events	10769	38724	13046	23002	16031	11955
								7%	20%	8%	12%	9%	8%
							grade 3 events	4760	4834	4549	9918	6557	4599
								3%	2%	3%	5%	3%	3%
							grade 4 events	4751	4649	4630	9478	6282	4590
								3%	2%	3%	5%	3%	3%
							grade 5 events	4354	10009	4520	11402	5958	5069
								2%	5%	3%	6%	3%	3%
							grade 6 events	8819	46248	11734	45246	15228	10876
								5%	24%	7%	25%	8%	7%
							grade 7 events	77959	65751	73089	60296	79612	74963
								51%	35%	49%	33%	46%	50%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	152.0684993811299
[deg] Pointing Dec	0	2.010502191917245
[deg] Pointing Roll	0.0	50.95251531456622
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	381075164.819828	381075164.819828
Observation start date	2010-01-28T14:12:45	2010-01-28T14:12:44
[s] Observation end time (MET)	381085329.911703	381085329.911703
Observation end date	2010-01-28T17:02:10	2010-01-28T17:02:09
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1492556393743

### A.2 Comments