

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56397 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 22 2012

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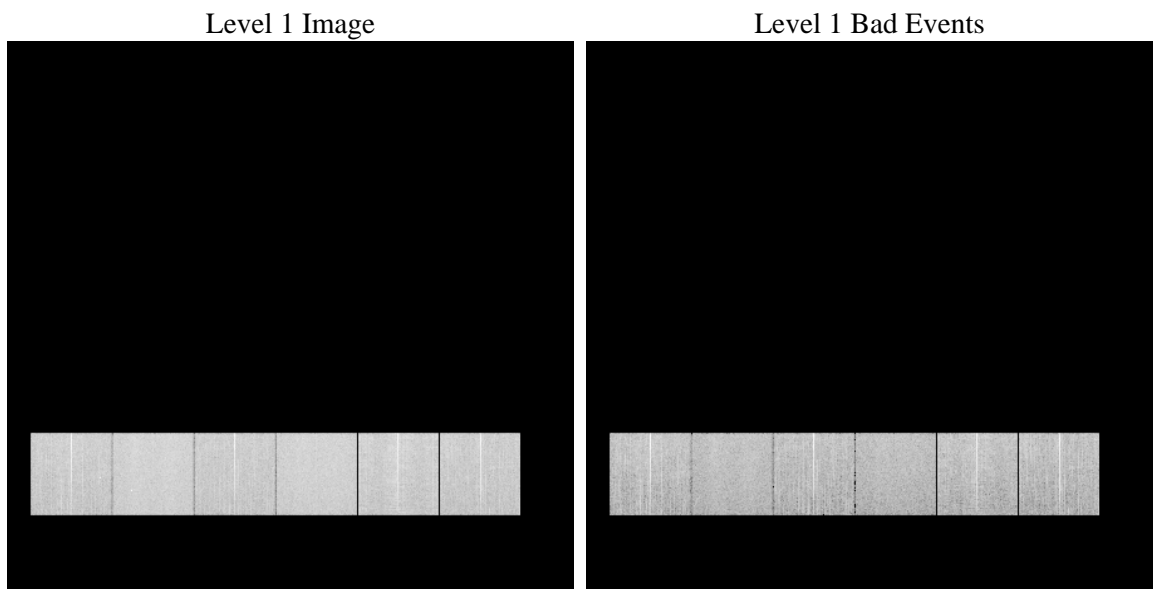
# 1 Front

seq_num	&#160	Sequence number
obs_id	56397	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	136.03082792696	Nominal RA [deg]
dec_nom	-29.009697870261	Nominal Dec [deg]
roll_nom	307.28175846931	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8361.5999689102	Sum of GTIs [s]
livetime	8255.7203553528	Livetime [s]
ontime4	8361.5999689102	Sum of GTIs [s]
ontime5	8361.5999689102	Sum of GTIs [s]
ontime6	8361.5999689102	Sum of GTIs [s]
ontime7	8361.5999689102	Sum of GTIs [s]
ontime8	8361.5999689102	Sum of GTIs [s]
ontime9	8361.5999689102	Sum of GTIs [s]
l2events	441803	Number of level 2 events

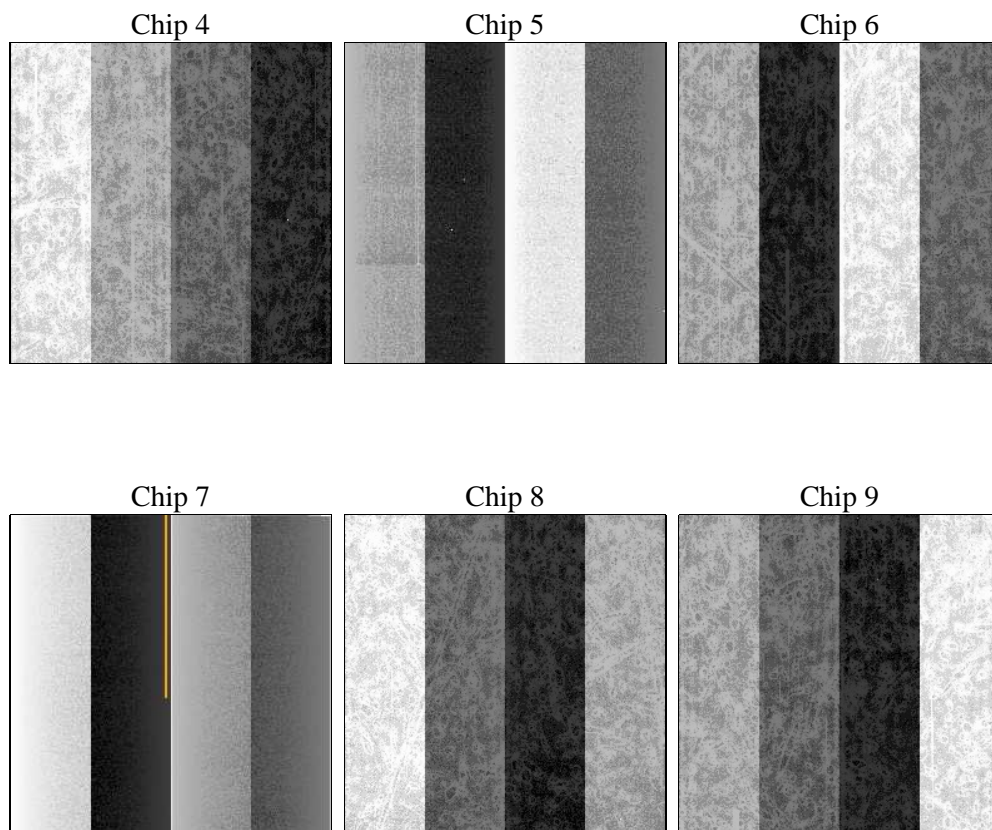
## 2 OBI

### 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	8361.5999689102	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime4	8361.5999689102	Sum of GTIs [s]
date	2012-06-22T17:19:35	Date and time of file creation	ontime5	8361.5999689102	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8361.5999689102	Sum of GTIs [s]
			ontime7	8361.5999689102	Sum of GTIs [s]
			ontime8	8361.5999689102	Sum of GTIs [s]
			ontime9	8361.5999689102	Sum of GTIs [s]
			l1events	940668	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	147998	174583	143404	169497	161638	143548	grade 0 events	36698	10949	34769	17788	39628	35669
rejected events	85041	74108	75739	68797	81204	77432		24%	6%	24%	10%	24%	24%
rejected %	57%	42%	52%	40%	50%	53%	grade 1 events	334	205	192	128	243	259
								0%	0%	0%	0%	0%	0%
							grade 2 events	9563	38008	13497	22359	15234	11659
								6%	21%	9%	13%	9%	8%
							grade 3 events	4630	3741	4219	8857	6079	4587
								3%	2%	2%	5%	3%	3%
							grade 4 events	4415	3686	4289	8785	5793	4360
								2%	2%	2%	5%	3%	3%
							grade 5 events	3984	8568	4095	10347	5596	4643
								2%	4%	2%	6%	3%	3%
							grade 6 events	8372	45210	11634	44069	14608	10624
								5%	25%	8%	25%	9%	7%
							grade 7 events	80002	64216	70709	57164	74457	71747
								54%	36%	49%	33%	46%	49%

## 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	136.0308279269646	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-29.00969787026059	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	307.2817584693061	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	384773996.407339	384773995.38234			
Observation start date	2010-03-12T09:39:56	2010-03-12T09:39:55			
[s] Observation end time (MET)	384784176.707856	384784175.68285			
Observation end date	2010-03-12T12:29:37	2010-03-12T12:29:35			
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)	2012.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3615999689102

### A.2 Comments