

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59132 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 25 2012

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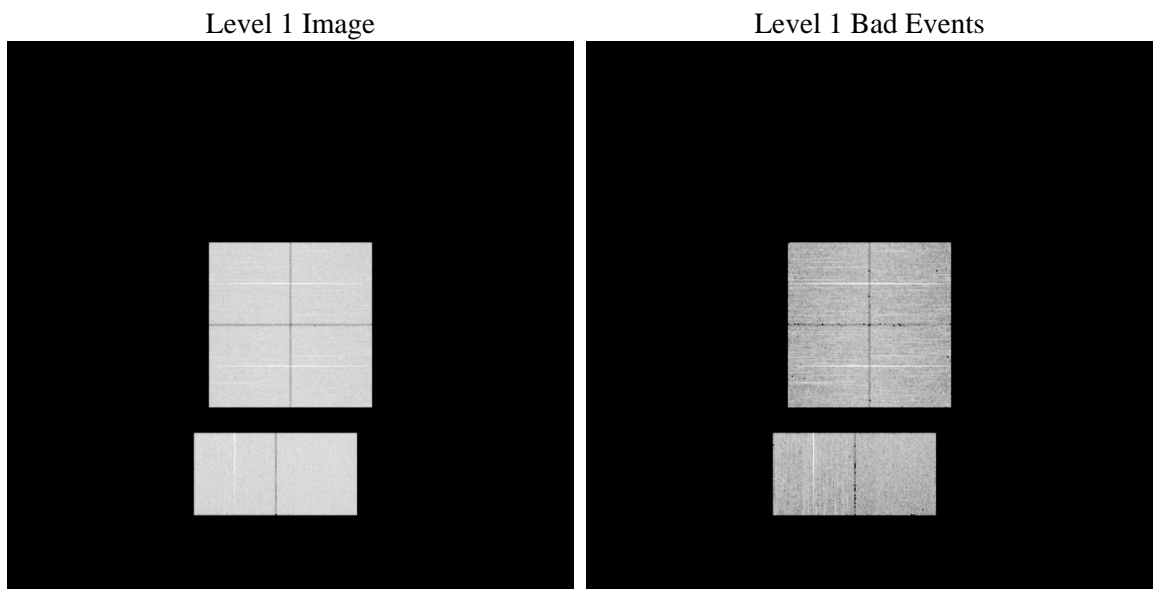
# 1 Front

seq_num	&#160	Sequence number
obs_id	59132	Observation id
title	ACIS-012367 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	133.52765454178	Nominal RA [deg]
dec_nom	-12.490501101323	Nominal Dec [deg]
roll_nom	346.48498379297	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7641.5999715328	Sum of GTIs [s]
livetime	7544.8374314742	Livetime [s]
ontime0	7641.5999715328	Sum of GTIs [s]
ontime1	7641.5999715328	Sum of GTIs [s]
ontime2	7641.5999715328	Sum of GTIs [s]
ontime3	7641.5999715328	Sum of GTIs [s]
ontime6	7641.5999715328	Sum of GTIs [s]
ontime7	7641.5999715328	Sum of GTIs [s]
l2events	910471	Number of level 2 events

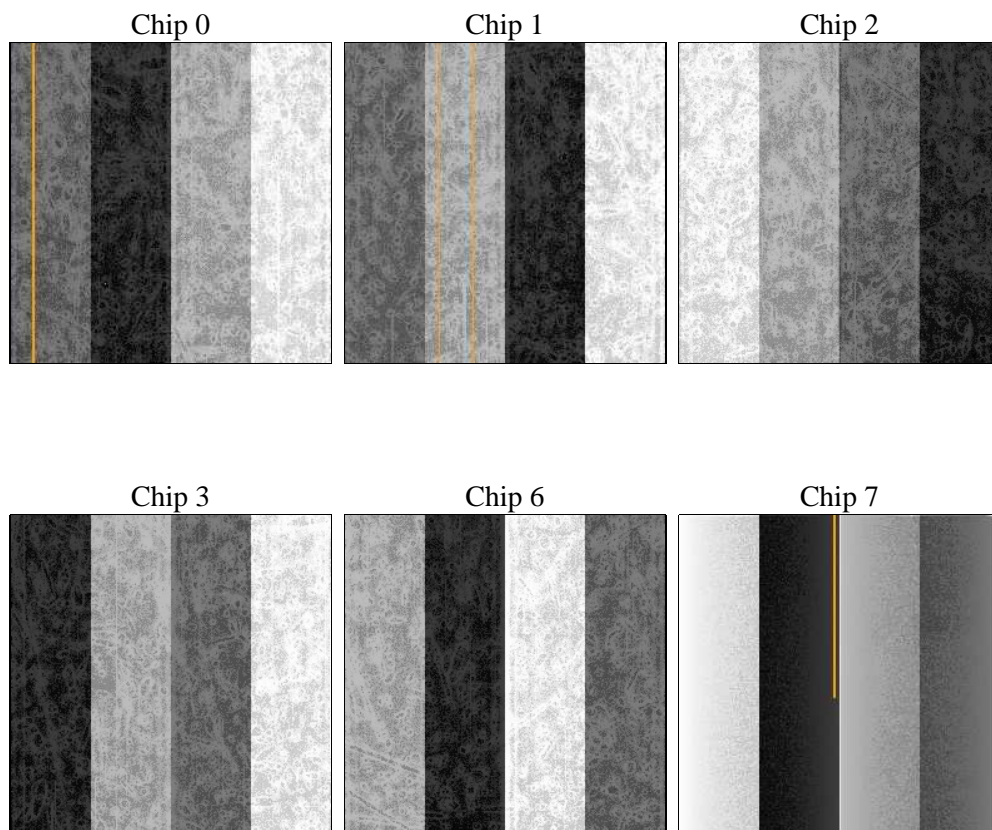
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	7641.5999715328	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	7641.5999715328	Sum of GTIs [s]
date	2012-03-25T03:06:21	Date and time of file creation	ontime1	7641.5999715328	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7641.5999715328	Sum of GTIs [s]
			ontime3	7641.5999715328	Sum of GTIs [s]
			ontime6	7641.5999715328	Sum of GTIs [s]
			ontime7	7641.5999715328	Sum of GTIs [s]
			l1events	1316218	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	213365	210183	219063	218033	222021	233553	grade 0 events	84329	83561	86314	86223	86779	41508
rejected events	59810	56893	64273	63441	61166	52280		39%	39%	39%	39%	39%	17%
rejected %	28%	27%	29%	29%	27%	22%	grade 1 events	506	474	660	571	472	161
								0%	0%	0%	0%	0%	0%
							grade 2 events	27089	27503	26334	26435	27747	39984
								12%	13%	12%	12%	12%	17%
							grade 3 events	9969	9645	10073	10275	10201	18074
								4%	4%	4%	4%	4%	7%
							grade 4 events	9986	9953	10139	10308	10160	17537
								4%	4%	4%	4%	4%	7%
							grade 5 events	3376	3628	3194	3777	3809	9144
								1%	1%	1%	1%	1%	3%
							grade 6 events	22182	22628	21930	21351	25968	64170
								10%	10%	10%	9%	11%	27%
							grade 7 events	55928	52791	60419	59093	56885	42975
								26%	25%	27%	27%	25%	18%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	133.5276545417794	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-12.49050110132316	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	346.4849837929722			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	255640253.525858	255640252.50084			
Observation start date	2006-02-06T19:10:54	2006-02-06T19:10:52			
[s] Observation end time (MET)	255657245.976647	255657244.95163			
Observation end date	2006-02-06T23:54:06	2006-02-06T23:54:04			
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)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.6415999715328

### A.2 Comments