

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58310 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 28 2012

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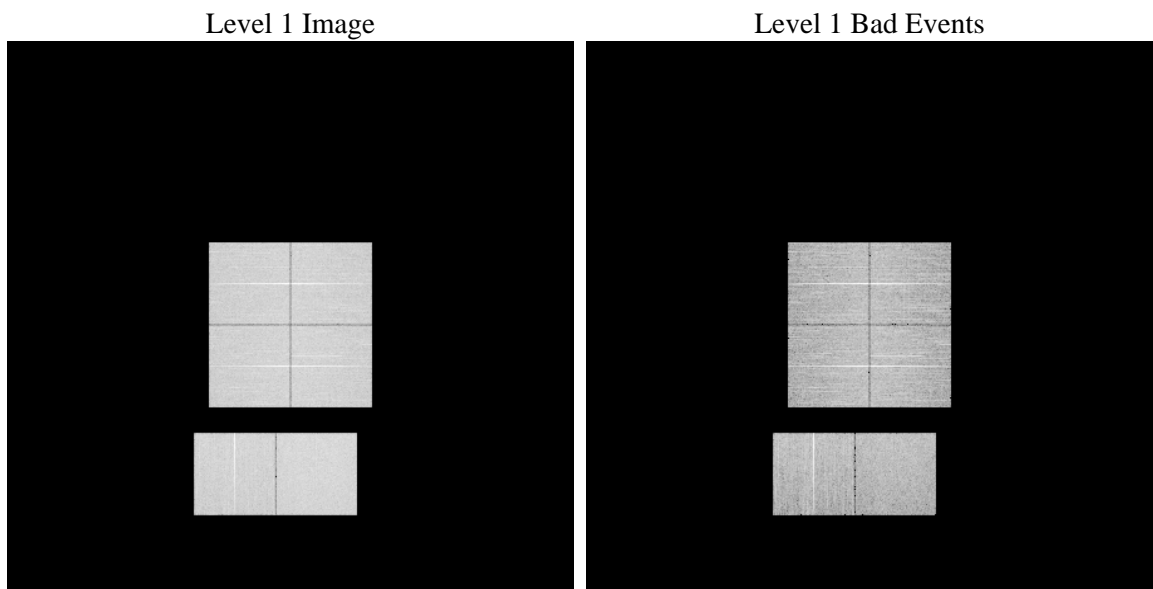
# 1 Front

seq_num	&#160	Sequence number
obs_id	58310	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	291.97907670537	Nominal RA [deg]
dec_nom	6.4801744302642	Nominal Dec [deg]
roll_nom	190.73993844633	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8166.3999696374	Sum of GTIs [s]
livetime	8062.9920960061	Livetime [s]
ontime0	8166.3999696374	Sum of GTIs [s]
ontime1	8163.1589793563	Sum of GTIs [s]
ontime2	8166.3999696374	Sum of GTIs [s]
ontime3	8166.3999696374	Sum of GTIs [s]
ontime6	8166.3999696374	Sum of GTIs [s]
ontime7	8166.3999696374	Sum of GTIs [s]
l2events	705226	Number of level 2 events

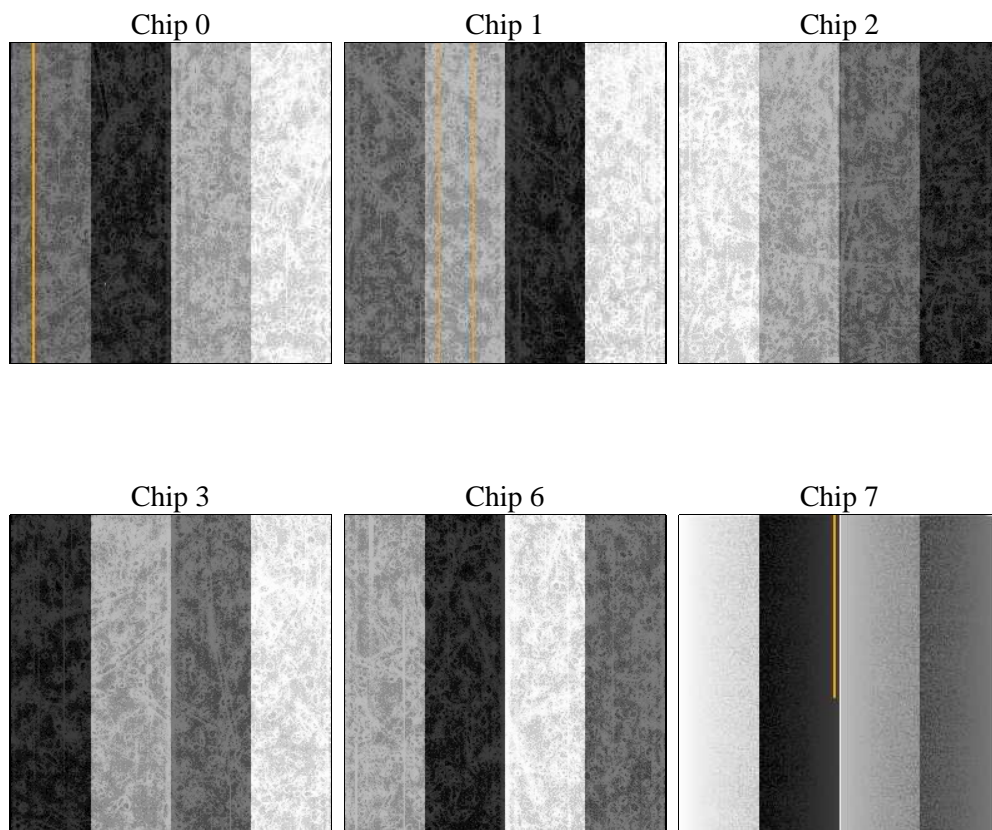
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8166.3999696374	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8166.3999696374	Sum of GTIs [s]
date	2012-04-28T03:37:59	Date and time of file creation	ontime1	8163.1589793563	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8166.3999696374	Sum of GTIs [s]
			ontime3	8166.3999696374	Sum of GTIs [s]
			ontime6	8166.3999696374	Sum of GTIs [s]
			ontime7	8166.3999696374	Sum of GTIs [s]
			l1events	1186094	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	190171	190046	192952	196054	197513	219358	grade 0 events	64097	63316	66110	66306	66013	32009
rejected events	73381	72719	75328	78043	75237	67654		33%	33%	34%	33%	33%	14%
rejected %	38%	38%	39%	39%	38%	30%	grade 1 events	431	407	524	511	407	166
								0%	0%	0%	0%	0%	0%
							grade 2 events	20951	21721	19836	20258	21633	33183
								11%	11%	10%	10%	10%	15%
							grade 3 events	7901	7851	7882	8113	7999	14447
								4%	4%	4%	4%	4%	6%
							grade 4 events	7788	7658	7848	8088	7733	14374
								4%	4%	4%	4%	3%	6%
							grade 5 events	3977	4110	3574	4241	4185	10918
								2%	2%	1%	2%	2%	4%
							grade 6 events	17634	18258	17539	16854	20488	59694
								9%	9%	9%	8%	10%	27%
							grade 7 events	67392	66725	69639	71683	69055	54567
								35%	35%	36%	36%	34%	24%

## 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	291.979076705369	Alternating exposures requested	N	N
[deg] Pointing Dec	0	6.480174430264241	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	190.7399384463327			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	301145075.322133	301145074.29712			
Observation start date	2007-07-18T11:24:35	2007-07-18T11:24:34			
[s] Observation end time (MET)	301166393.273155	301166392.24814			
Observation end date	2007-07-18T17:19:53	2007-07-18T17:19:52			
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)	2012.04.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1663999696374

### A.2 Comments