

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59153 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 24 2012

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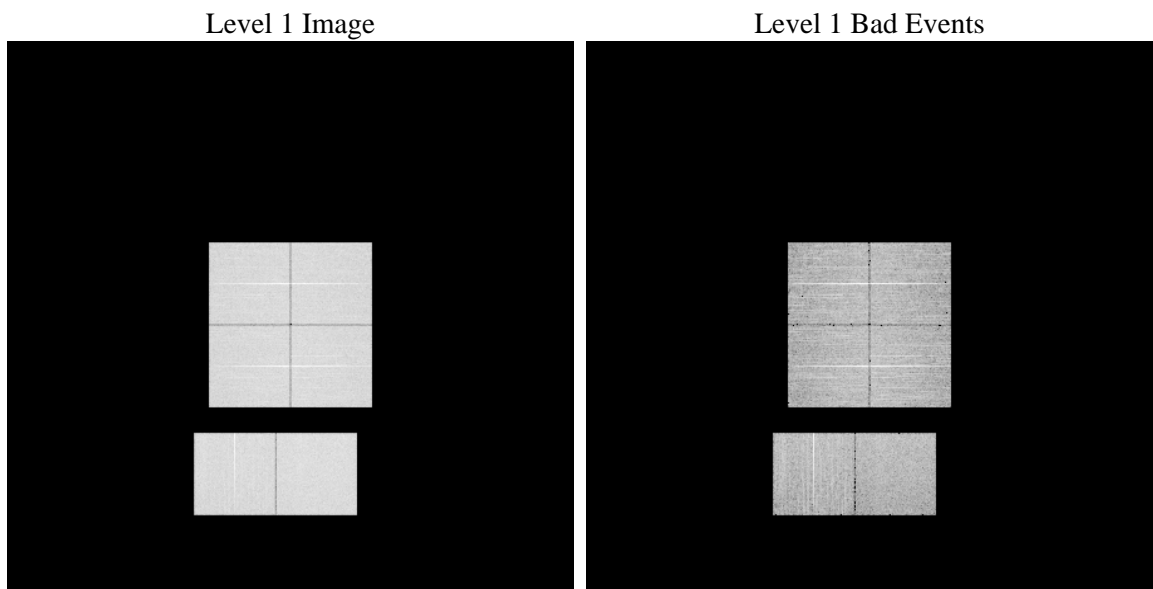
# 1 Front

seq_num	&#160	Sequence number
obs_id	59153	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	140.95385403062	Nominal RA [deg]
dec_nom	49.995054341345	Nominal Dec [deg]
roll_nom	155.50644131779	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8227.1999693513	Sum of GTIs [s]
livetime	8123.0222095143	Livetime [s]
ontime0	8227.1999693513	Sum of GTIs [s]
ontime1	8227.1999693513	Sum of GTIs [s]
ontime2	8227.1999693513	Sum of GTIs [s]
ontime3	8227.1999693513	Sum of GTIs [s]
ontime6	8227.1999693513	Sum of GTIs [s]
ontime7	8227.1999693513	Sum of GTIs [s]
l2events	986422	Number of level 2 events

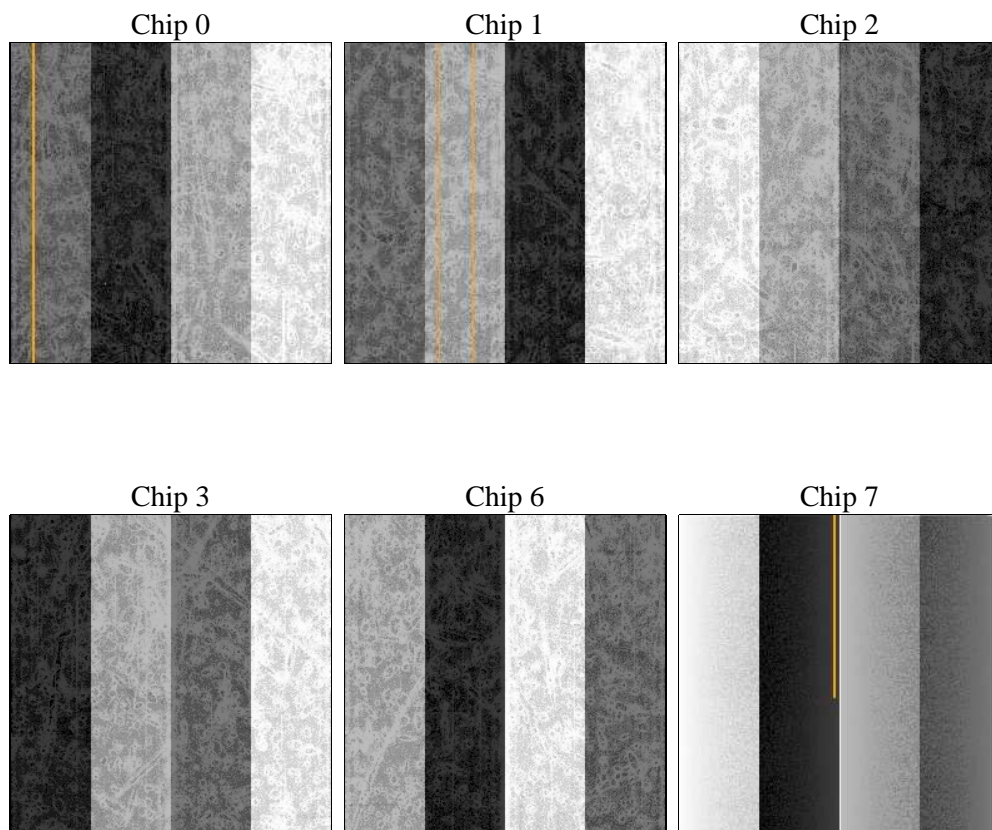
## 2 OBI

### 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	Processing system revision	ontime	8227.1999693513	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	8227.1999693513	Sum of GTIs [s]
date	2012-03-24T07:37:34	Date and time of file creation	ontime1	8227.1999693513	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8227.1999693513	Sum of GTIs [s]
			ontime3	8227.1999693513	Sum of GTIs [s]
			ontime6	8227.1999693513	Sum of GTIs [s]
			ontime7	8227.1999693513	Sum of GTIs [s]
			l1events	1420904	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	230007	227870	233608	237460	240101	251858	grade 0 events	91280	91326	93612	95088	94223	44646
rejected events	63677	61022	66340	68602	66261	56764		39%	40%	40%	40%	39%	17%
rejected %	27%	26%	28%	28%	27%	22%	grade 1 events	564	481	641	625	512	152
								0%	0%	0%	0%	0%	0%
							grade 2 events	29520	29726	28372	28917	30631	42507
								12%	13%	12%	12%	12%	16%
							grade 3 events	10874	10791	11292	11300	11162	19201
								4%	4%	4%	4%	4%	7%
							grade 4 events	10970	10853	11237	11144	10850	19305
								4%	4%	4%	4%	4%	7%
							grade 5 events	3498	3778	3457	4114	4018	9521
								1%	1%	1%	1%	1%	3%
							grade 6 events	24695	25190	23830	23530	28088	70590
								10%	11%	10%	9%	11%	28%
							grade 7 events	58606	55725	61167	62742	60617	45936
								25%	24%	26%	26%	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	140.9538540306153	Alternating exposures requested	N	N
[deg] Pointing Dec	0	49.99505434134492	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	155.5064413177939			
[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)	254537164.874675	254537163.84968			
Observation start date	2006-01-25T00:46:05	2006-01-25T00:46:03			
[s] Observation end time (MET)	254559835.825726	254559834.80073			
Observation end date	2006-01-25T07:03:56	2006-01-25T07:03:54			
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)	2012.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2271999693513

### **A.2 Comments**