

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57952 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 10 2012

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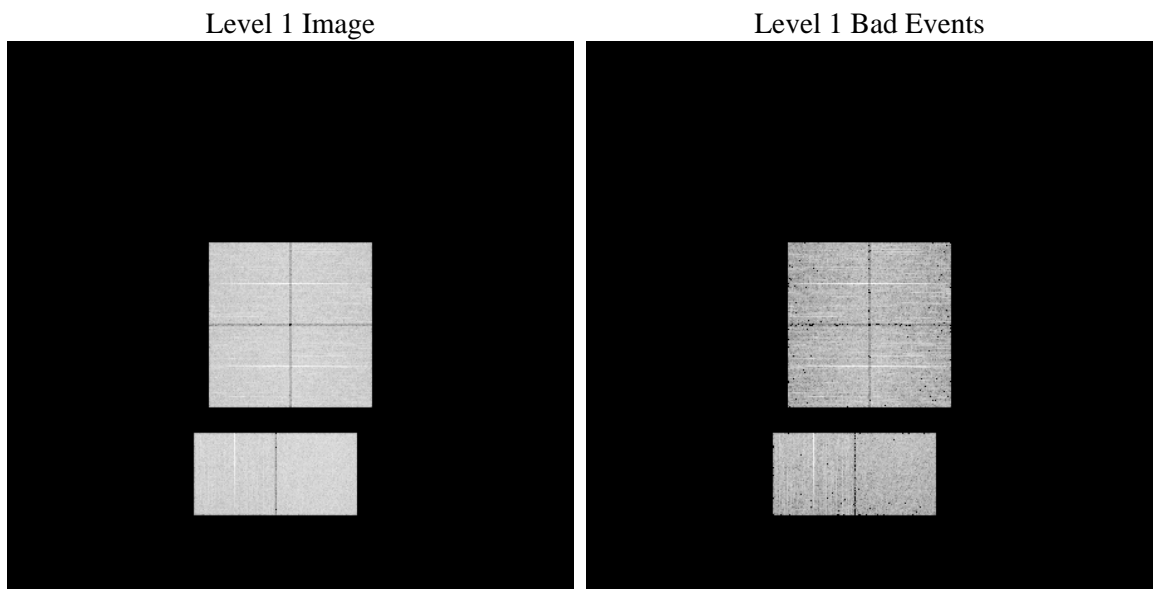
# 1 Front

seq_num	&#160	Sequence number
obs_id	57952	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	143.98142127004	Nominal RA [deg]
dec_nom	34.975587390278	Nominal Dec [deg]
roll_nom	205.15635701692	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4312.9979539514	Sum of GTIs [s]
livetime	4258.3841768828	Livetime [s]
ontime0	4312.9569139481	Sum of GTIs [s]
ontime1	4312.9158739448	Sum of GTIs [s]
ontime2	4312.8748339415	Sum of GTIs [s]
ontime3	4313.0389939547	Sum of GTIs [s]
ontime6	4312.8337939382	Sum of GTIs [s]
ontime7	4312.9979539514	Sum of GTIs [s]
l2events	342289	Number of level 2 events

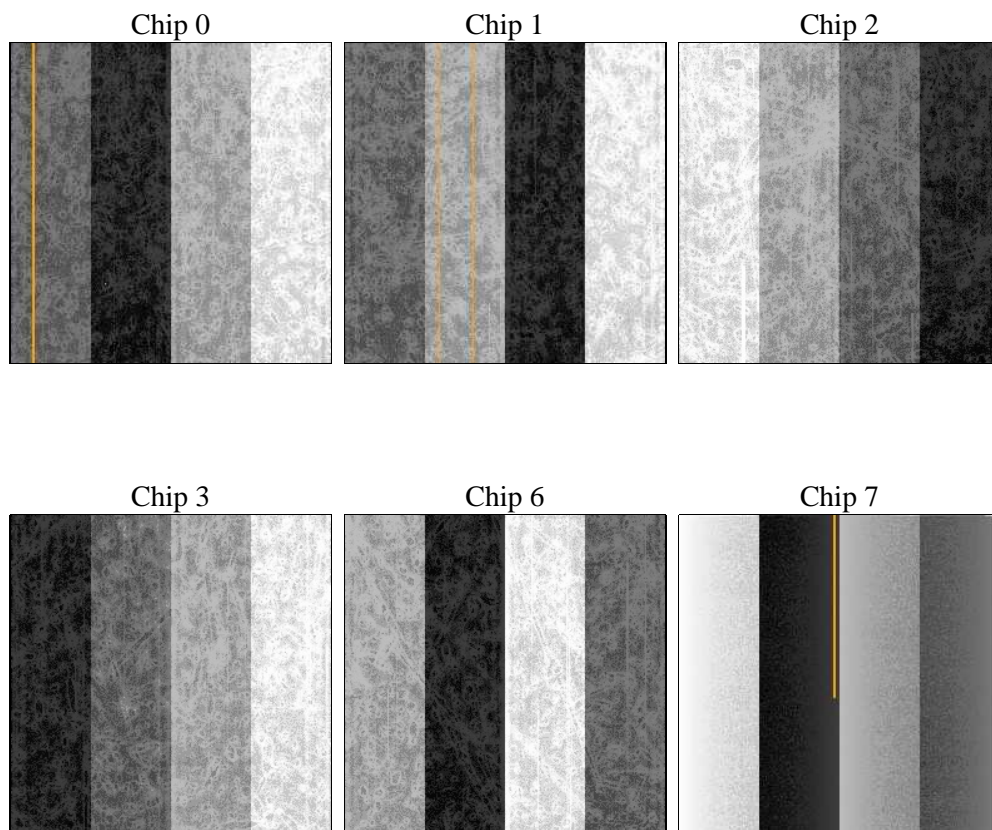
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4312.9979539514	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	4312.9569139481	Sum of GTIs [s]
date	2012-05-10T11:21:19	Date and time of file creation	ontime1	4312.9158739448	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4312.8748339415	Sum of GTIs [s]
			ontime3	4313.0389939547	Sum of GTIs [s]
			ontime6	4312.8337939382	Sum of GTIs [s]
			ontime7	4312.9979539514	Sum of GTIs [s]
			l1events	589848	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	93042	93477	95376	98257	99639	110057	grade 0 events	30291	29731	30836	31552	31485	15607
rejected events	36724	37210	39118	40754	40166	34798		32%	31%	32%	32%	31%	14%
rejected %	39%	39%	41%	41%	40%	31%	grade 1 events	205	189	232	224	197	76
								0%	0%	0%	0%	0%	0%
							grade 2 events	10027	10479	9554	9938	10409	16484
								10%	11%	10%	10%	10%	14%
							grade 3 events	3722	3563	3836	3881	3721	6945
								4%	3%	4%	3%	3%	6%
							grade 4 events	3660	3642	3735	3793	3746	7020
								3%	3%	3%	3%	3%	6%
							grade 5 events	2067	2090	1943	2328	2255	5581
								2%	2%	2%	2%	2%	5%
							grade 6 events	8618	8852	8297	8339	10112	29203
								9%	9%	8%	8%	10%	26%
							grade 7 events	34452	34931	36943	38202	37714	29141
								37%	37%	38%	38%	37%	26%

## 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	143.9814212700407	Alternating exposures requested	N	N
[deg] Pointing Dec	0	34.97558739027843	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	205.1563570169205			
[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)	320073902.935589	320073901.91059			
Observation start date	2008-02-22T13:25:03	2008-02-22T13:25:01			
[s] Observation end time (MET)	320085497.736152	320085496.71115			
Observation end date	2008-02-22T16:38:18	2008-02-22T16:38:16			
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)	2012.05.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.3129979539514

### **A.2 Comments**