

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57990 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 8 2012

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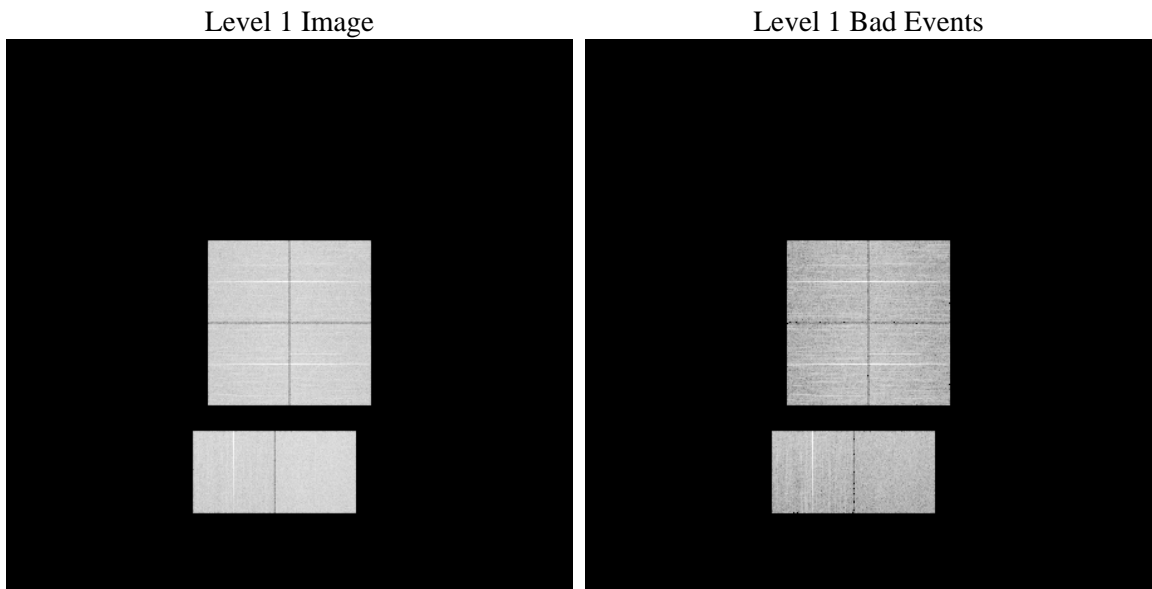
# 1 Front

seq_num	&#160	Sequence number
obs_id	57990	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	128.02783063138	Nominal RA [deg]
dec_nom	-8.0862732846002	Nominal Dec [deg]
roll_nom	351.56094905334	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8252.7999693155	Sum of GTIs [s]
livetime	8148.2980468645	Livetime [s]
ontime0	8252.7999693155	Sum of GTIs [s]
ontime1	8252.7999693155	Sum of GTIs [s]
ontime2	8252.7999693155	Sum of GTIs [s]
ontime3	8252.7999693155	Sum of GTIs [s]
ontime6	8252.7999693155	Sum of GTIs [s]
ontime7	8252.7999693155	Sum of GTIs [s]
l2events	634040	Number of level 2 events

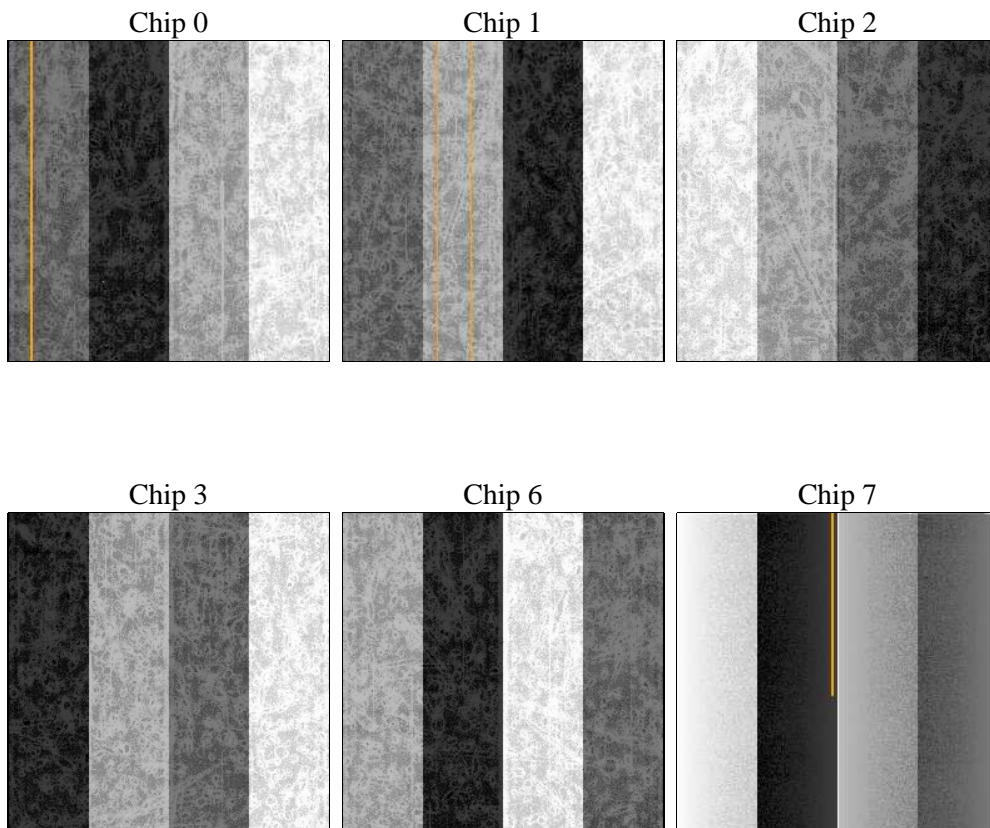
## 2 OBI

### 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	8252.7999693155	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8252.7999693155	Sum of GTIs [s]
date	2012-05-08T18:14:47	Date and time of file creation	ontime1	8252.7999693155	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8252.7999693155	Sum of GTIs [s]
			ontime3	8252.7999693155	Sum of GTIs [s]
			ontime6	8252.7999693155	Sum of GTIs [s]
			ontime7	8252.7999693155	Sum of GTIs [s]
			l1events	1103652	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	173582	174149	180801	182005	185335	207780	grade 0 events	56241	55855	57777	57925	58031	28643
rejected events	69029	69419	75923	76766	75903	67452		32%	32%	31%	31%	31%	13%
rejected %	39%	39%	41%	42%	40%	32%	grade 1 events	428	356	452	423	352	165
								0%	0%	0%	0%	0%	0%
							grade 2 events	18935	19324	18078	18305	19335	30453
								10%	11%	9%	10%	10%	14%
							grade 3 events	6949	6912	7156	7141	7159	13204
								4%	3%	3%	3%	3%	6%
							grade 4 events	6997	6884	7083	7070	7126	13235
								4%	3%	3%	3%	3%	6%
							grade 5 events	3967	4142	3822	4317	4451	11145
								2%	2%	2%	2%	2%	5%
							grade 6 events	15705	16026	15072	15068	18083	55126
								9%	9%	8%	8%	9%	26%
							grade 7 events	64360	64650	71361	71756	70798	55809
								37%	37%	39%	39%	38%	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	128.0278306313768	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-8.086273284600166	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	351.5609490533359			
[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)	318049626.237339	318049625.21234			
Observation start date	2008-01-30T03:07:06	2008-01-30T03:07:05			
[s] Observation end time (MET)	318073104.888479	318073103.86348			
Observation end date	2008-01-30T09:38:25	2008-01-30T09:38:23			
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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2527999693155

### **A.2 Comments**