

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58330 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 27 2012

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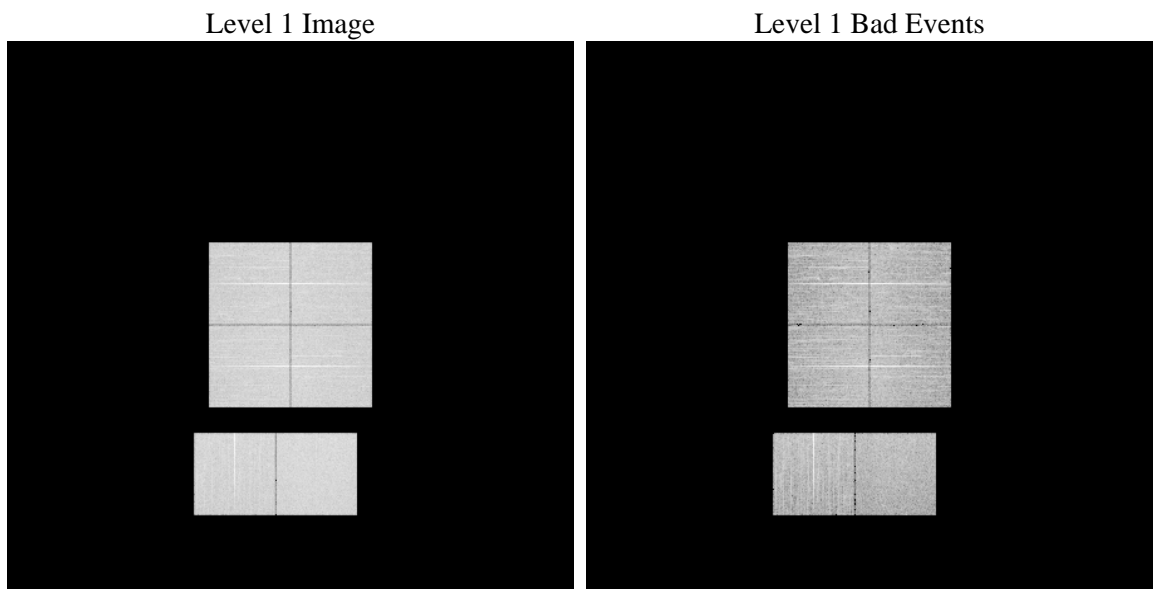
# 1 Front

seq_num	&#160	Sequence number
obs_id	58330	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	277.04529086323	Nominal RA [deg]
dec_nom	-54.985728737506	Nominal Dec [deg]
roll_nom	349.11987723698	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7461.8456422687	Sum of GTIs [s]
livetime	7367.3592597622	Livetime [s]
ontime0	7461.8046022654	Sum of GTIs [s]
ontime1	7461.7635622621	Sum of GTIs [s]
ontime2	7458.4815120101	Sum of GTIs [s]
ontime3	7461.886682272	Sum of GTIs [s]
ontime6	7461.6814822555	Sum of GTIs [s]
ontime7	7461.8456422687	Sum of GTIs [s]
l2events	647704	Number of level 2 events

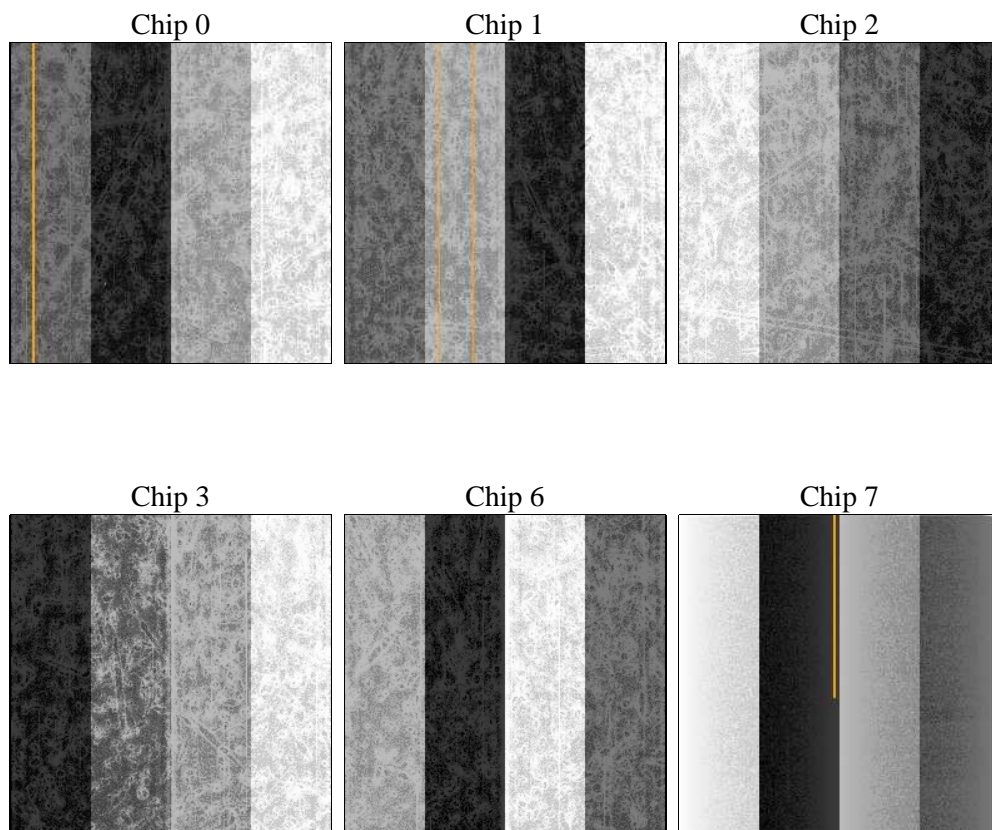
## 2 OBI

### 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	7461.8456422687	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	7461.8046022654	Sum of GTIs [s]
date	2012-04-27T14:49:58	Date and time of file creation	ontime1	7461.7635622621	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7458.4815120101	Sum of GTIs [s]
			ontime3	7461.886682272	Sum of GTIs [s]
			ontime6	7461.6814822555	Sum of GTIs [s]
			ontime7	7461.8456422687	Sum of GTIs [s]
			l1events	1077588	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	172332	171063	179293	176676	180774	197450	grade 0 events	58192	57498	59878	60666	59944	29139
rejected events	65075	63359	71503	67627	69061	58466		33%	33%	33%	34%	33%	14%
rejected %	37%	37%	39%	38%	38%	29%	grade 1 events	417	349	498	409	347	137
								0%	0%	0%	0%	0%	0%
							grade 2 events	19141	19880	17895	18431	19578	30208
								11%	11%	9%	10%	10%	15%
							grade 3 events	7044	6967	7216	7224	6988	13340
								4%	4%	4%	4%	3%	6%
							grade 4 events	7103	6870	7285	7318	7057	13144
								4%	4%	4%	4%	3%	6%
							grade 5 events	3462	3643	3209	3992	3879	9633
								2%	2%	1%	2%	2%	4%
							grade 6 events	15808	16537	15560	15453	18204	53206
								9%	9%	8%	8%	10%	26%
							grade 7 events	61165	59319	67752	63183	64777	48643
								35%	34%	37%	35%	35%	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	277.0452908632303	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-54.98572873750609	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	349.1198772369793			
[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)	299961942.365461	299961941.34046			
Observation start date	2007-07-04T18:45:42	2007-07-04T18:45:41			
[s] Observation end time (MET)	299980072.566328	299980071.54133			
Observation end date	2007-07-04T23:47:53	2007-07-04T23:47:51			
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)	2012.04.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.4618456422687

### A.2 Comments