

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 58916 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 4 2012

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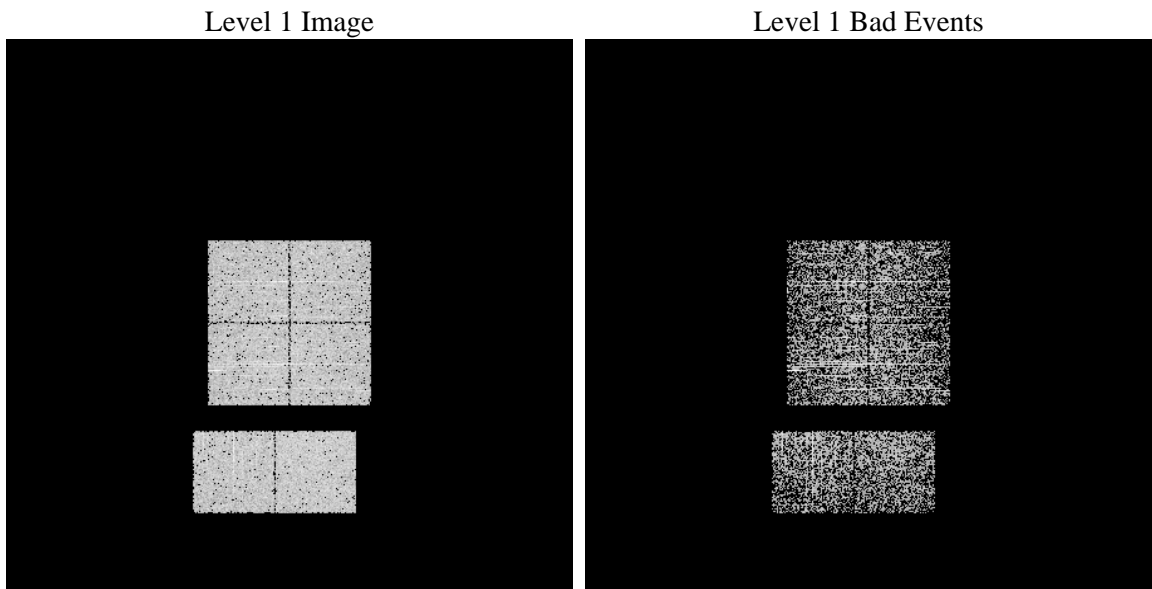
# 1 Front

seq_num	&#160	Sequence number
obs_id	58916	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	305.9842496571	Nominal RA [deg]
dec_nom	-29.974867694135	Nominal Dec [deg]
roll_nom	85.463286490759	Nominal Roll [deg]
revision	2	Processing version of data
ontime	604.79999774694	Sum of GTIs [s]
livetime	597.14165600863	Livetime [s]
ontime0	604.79999774694	Sum of GTIs [s]
ontime1	604.79999774694	Sum of GTIs [s]
ontime2	604.79999774694	Sum of GTIs [s]
ontime3	604.79999774694	Sum of GTIs [s]
ontime6	604.79999774694	Sum of GTIs [s]
ontime7	604.79999774694	Sum of GTIs [s]
l2events	66541	Number of level 2 events

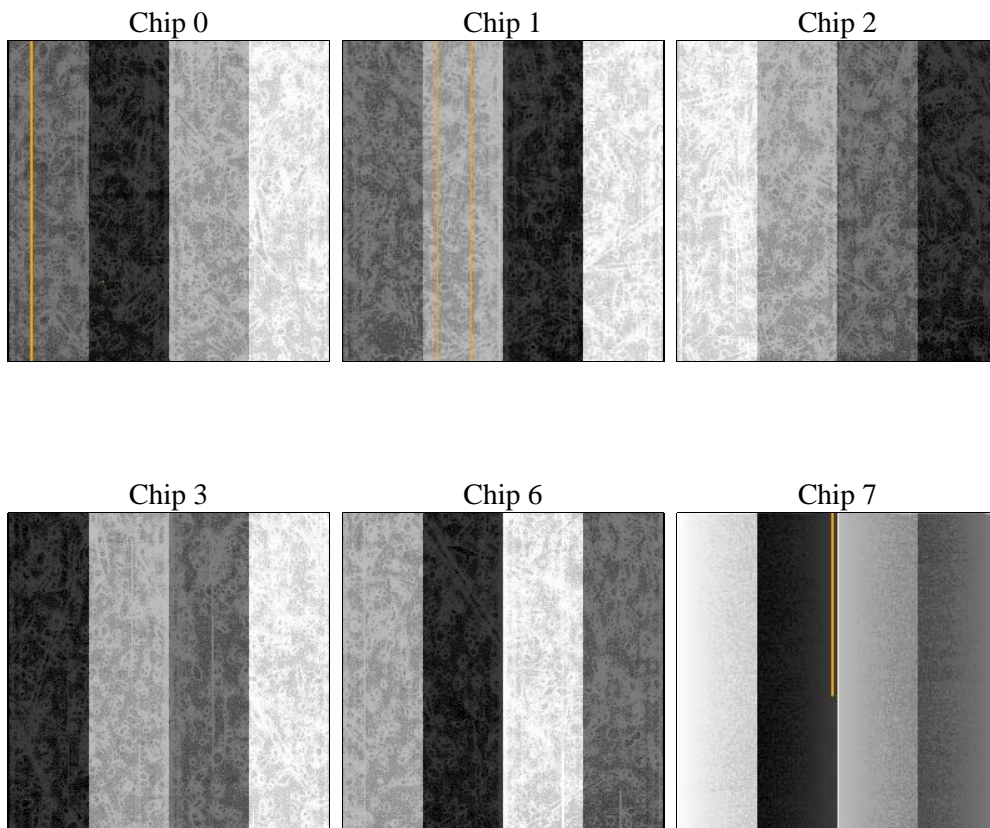
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	604.79999774694	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	604.79999774694	Sum of GTIs [s]
date	2012-04-04T04:38:01	Date and time of file creation	ontime1	604.79999774694	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	604.79999774694	Sum of GTIs [s]
			ontime3	604.79999774694	Sum of GTIs [s]
			ontime6	604.79999774694	Sum of GTIs [s]
			ontime7	604.79999774694	Sum of GTIs [s]
			l1events	99236	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	15733	15547	16810	16386	16627	18133
rejected events	4747	4393	5439	5137	5001	4388
rejected %	30%	28%	32%	31%	30%	24%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	6025	6000	6232	6210	6269	3023
	38%	38%	37%	37%	37%	16%
grade 1 events	44	34	40	53	44	12
	0%	0%	0%	0%	0%	0%
grade 2 events	1884	2072	1871	1856	1978	2981
	11%	13%	11%	11%	11%	16%
grade 3 events	752	707	774	809	760	1294
	4%	4%	4%	4%	4%	7%
grade 4 events	743	678	784	769	727	1364
	4%	4%	4%	4%	4%	7%
grade 5 events	283	275	260	300	312	748
	1%	1%	1%	1%	1%	4%
grade 6 events	1582	1697	1710	1605	1892	5083
	10%	10%	10%	9%	11%	28%
grade 7 events	4420	4084	5139	4784	4645	3628
	28%	26%	30%	29%	27%	20%

## 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	305.9842496571001	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-29.97486769413508	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	85.46328649075885			
[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)	267525944.979712	267525943.95471			
Observation start date	2006-06-24T08:45:45	2006-06-24T08:45:43			
[s] Observation end time (MET)	267537240.48024	267537239.45524			
Observation end date	2006-06-24T11:54:00	2006-06-24T11:53:59			
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)	2012.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.60479999774694

### A.2 Comments