

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58851 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 6 2012

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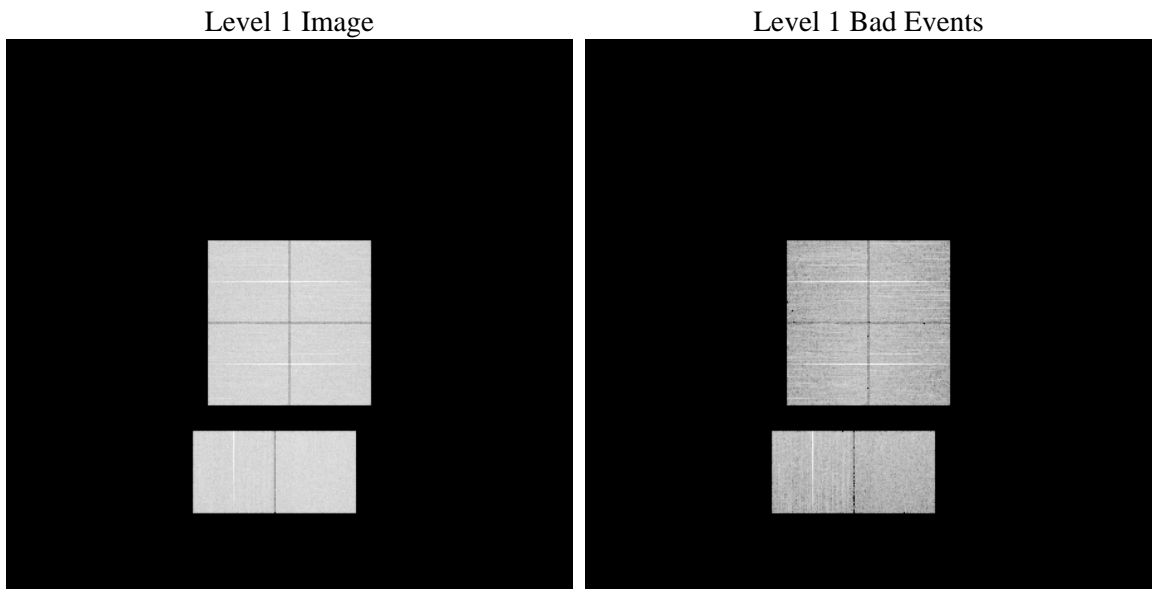
# 1 Front

seq_num	&#160	Sequence number
obs_id	58851	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	1.978072702657	Nominal RA [deg]
dec_nom	-7.9813431771986	Nominal Dec [deg]
roll_nom	106.42908459399	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8271.999969244	Sum of GTIs [s]
livetime	8167.254924833	Livetime [s]
ontime0	8271.999969244	Sum of GTIs [s]
ontime1	8271.999969244	Sum of GTIs [s]
ontime2	8271.999969244	Sum of GTIs [s]
ontime3	8271.999969244	Sum of GTIs [s]
ontime6	8271.999969244	Sum of GTIs [s]
ontime7	8271.999969244	Sum of GTIs [s]
l2events	866780	Number of level 2 events

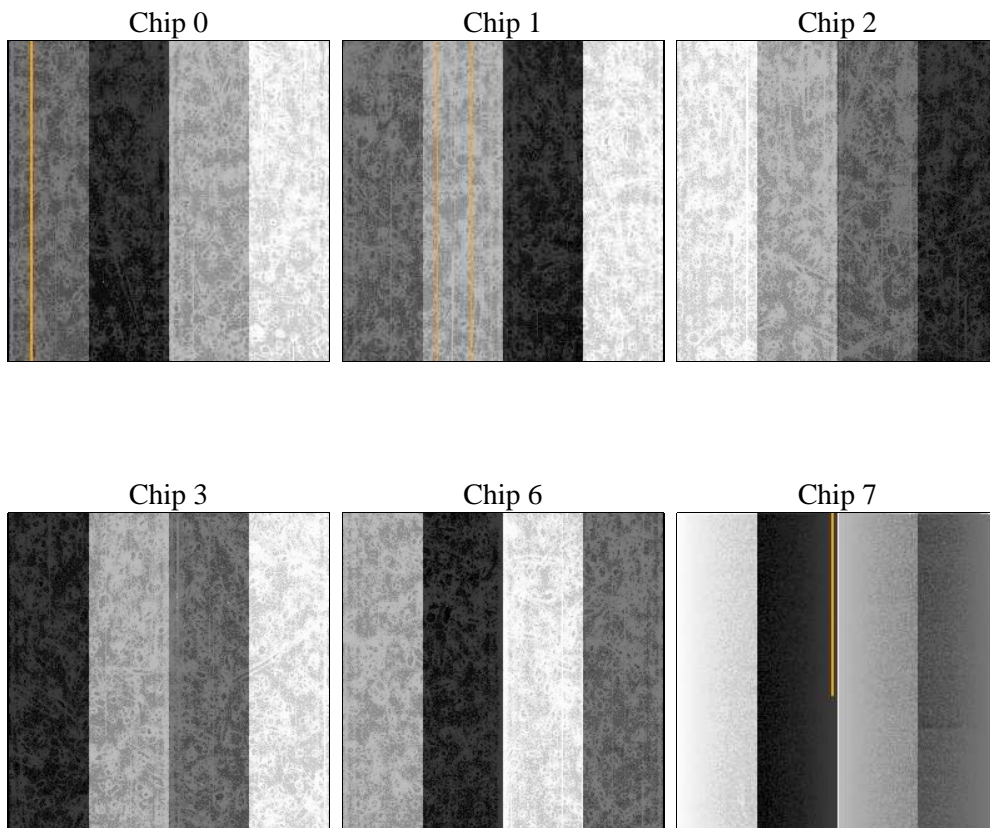
## 2 OBI

### 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	8271.999969244	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8271.999969244	Sum of GTIs [s]
date	2012-04-06T19:00:21	Date and time of file creation	ontime1	8271.999969244	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8271.999969244	Sum of GTIs [s]
			ontime3	8271.999969244	Sum of GTIs [s]
			ontime6	8271.999969244	Sum of GTIs [s]
			ontime7	8271.999969244	Sum of GTIs [s]
			l1events	1341746	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	215313	218427	221608	219555	227033	239810	grade 0 events	79004	76850	81981	83359	78258	37686
rejected events	70375	72541	75975	71848	75920	62345		36%	35%	36%	37%	34%	15%
rejected %	32%	33%	34%	32%	33%	25%	grade 1 events	493	428	561	556	382	164
								0%	0%	0%	0%	0%	0%
							grade 2 events	25252	28571	23231	24132	29791	39261
								11%	13%	10%	10%	13%	16%
							grade 3 events	9370	9026	9883	9608	8863	16634
								4%	4%	4%	4%	3%	6%
							grade 4 events	9426	8943	9655	9796	8829	16436
								4%	4%	4%	4%	3%	6%
							grade 5 events	3594	3712	3454	4093	4003	9896
								1%	1%	1%	1%	1%	4%
							grade 6 events	21938	22550	20931	20858	25431	67508
								10%	10%	9%	9%	11%	28%
							grade 7 events	66236	68347	71912	67153	71476	52225
								30%	31%	32%	30%	31%	21%

## 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	1.978072702657016	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-7.981343177198568	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	106.4290845939858			
[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)	270987661.241904	270987660.21688			
Observation start date	2006-08-03T10:21:01	2006-08-03T10:21:00			
[s] Observation end time (MET)	271009643.392937	271009642.36792			
Observation end date	2006-08-03T16:27:23	2006-08-03T16:27:22			
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)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.271999969244

### A.2 Comments