

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57934 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 10 2012

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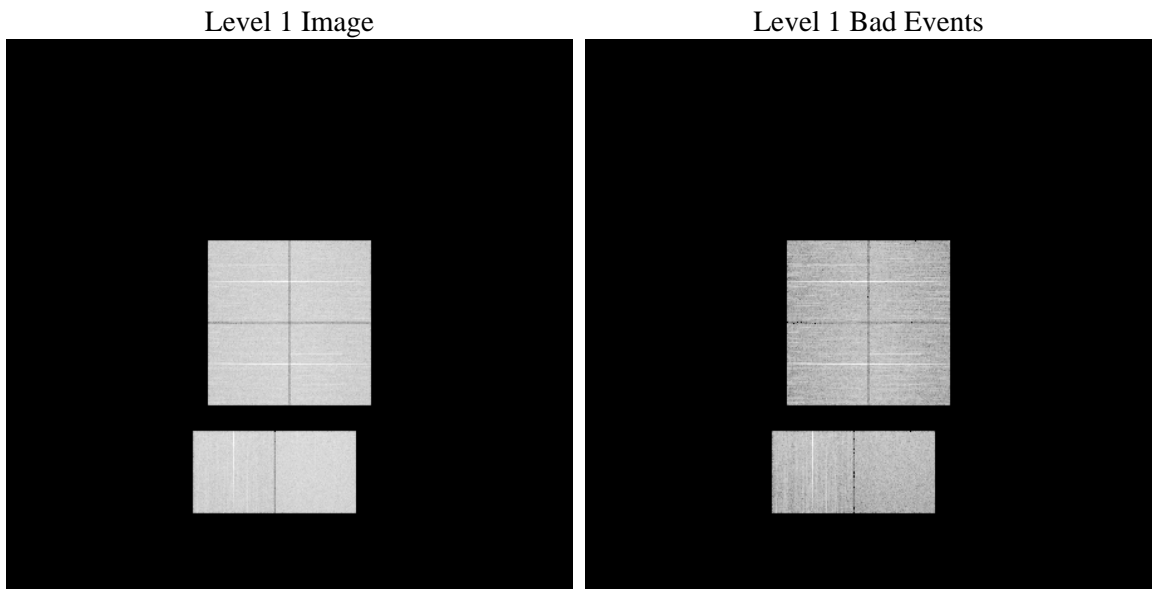
# 1 Front

seq_num	&#160	Sequence number
obs_id	57934	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	185.99916136773	Nominal RA [deg]
dec_nom	-6.971288188526	Nominal Dec [deg]
roll_nom	58.750151913421	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8195.1999695301	Sum of GTIs [s]
livetime	8091.4274129589	Livetime [s]
ontime0	8191.958979249	Sum of GTIs [s]
ontime1	8191.958979249	Sum of GTIs [s]
ontime2	8195.1999695301	Sum of GTIs [s]
ontime3	8195.1999695301	Sum of GTIs [s]
ontime6	8195.1999695301	Sum of GTIs [s]
ontime7	8195.1999695301	Sum of GTIs [s]
l2events	616527	Number of level 2 events

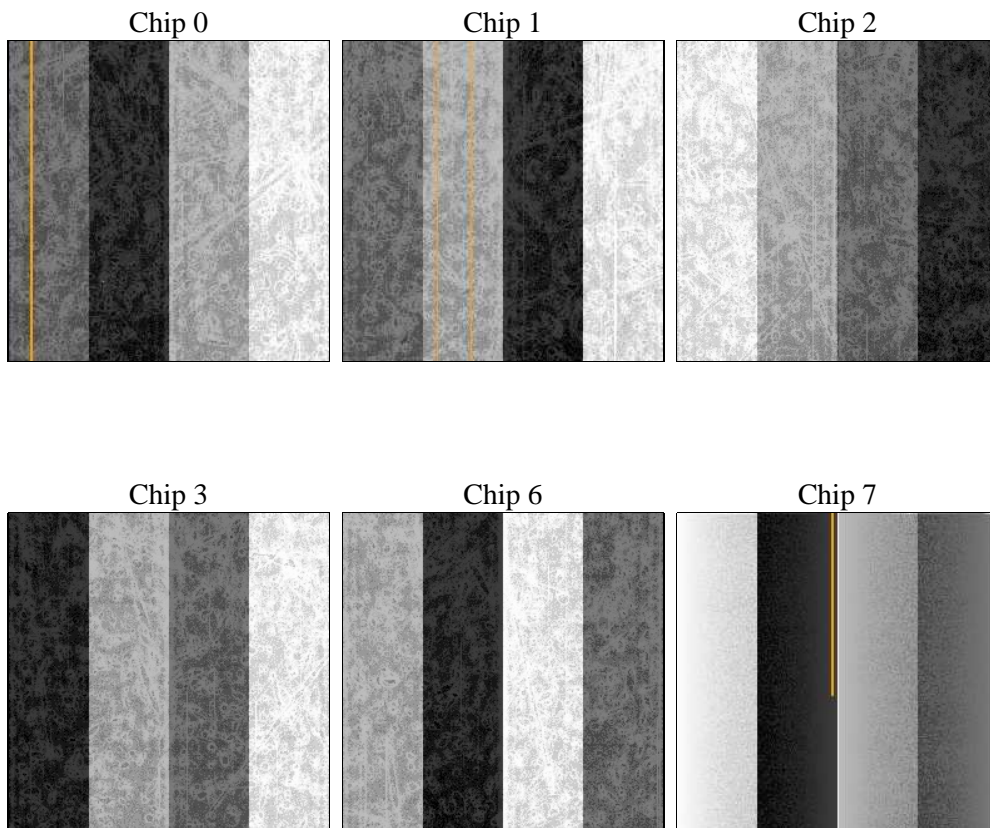
## 2 OBI

### 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	8195.1999695301	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8191.958979249	Sum of GTIs [s]
date	2012-05-10T23:19:50	Date and time of file creation	ontime1	8191.958979249	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8195.1999695301	Sum of GTIs [s]
			ontime3	8195.1999695301	Sum of GTIs [s]
			ontime6	8195.1999695301	Sum of GTIs [s]
			ontime7	8195.1999695301	Sum of GTIs [s]
			l1events	1073363	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	170314	170291	174029	175050	181456	202223	grade 0 events	55358	54816	56937	57059	56679	27741
rejected events	68436	68341	71511	72337	75755	66508		32%	32%	32%	32%	31%	13%
rejected %	40%	40%	41%	41%	41%	32%	grade 1 events	371	354	400	449	351	158
								0%	0%	0%	0%	0%	0%
							grade 2 events	18456	19064	17716	17971	18765	29833
								10%	11%	10%	10%	10%	14%
							grade 3 events	6815	6782	7019	6898	6951	13026
								4%	3%	4%	3%	3%	6%
							grade 4 events	6828	6769	7027	6986	6814	12865
								4%	3%	4%	3%	3%	6%
							grade 5 events	4030	3998	3658	4272	4159	10521
								2%	2%	2%	2%	2%	5%
							grade 6 events	15359	15509	14806	14801	17503	53591
								9%	9%	8%	8%	9%	26%
							grade 7 events	63097	62999	66466	66614	70234	54488
								37%	36%	38%	38%	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	185.9991613677304	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-6.971288188526001	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	58.75015191342116			
[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)	320789539.520332	320789538.49534			
Observation start date	2008-03-01T20:12:20	2008-03-01T20:12:18			
[s] Observation end time (MET)	320813663.921503	320813662.89652			
Observation end date	2008-03-02T02:54:24	2008-03-02T02:54:22			
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)	2012.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1951999695301

### A.2 Comments