

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60874 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 21 2012

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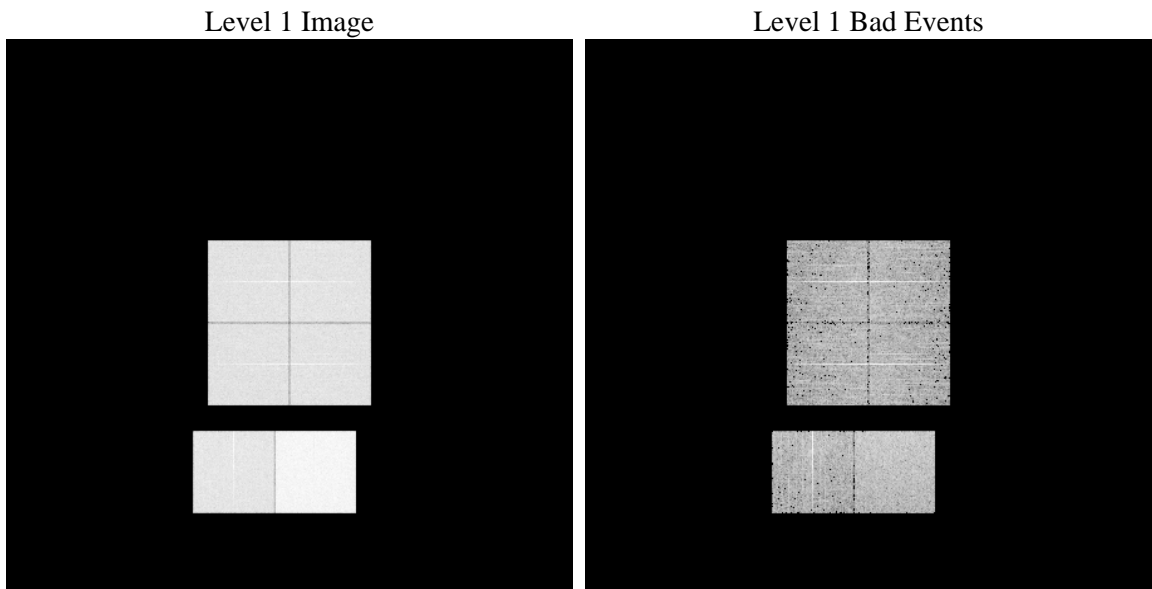
# 1 Front

seq_num	&#160	Sequence number
obs_id	60874	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	174.99728254959	Nominal RA [deg]
dec_nom	-3.9715378586802	Nominal Dec [deg]
roll_nom	62.528877386156	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7791.9999709725	Sum of GTIs [s]
livetime	7693.332975561	Livetime [s]
ontime0	4131.8021990359	Sum of GTIs [s]
ontime1	4264.7246248424	Sum of GTIs [s]
ontime2	3966.5937087834	Sum of GTIs [s]
ontime3	4079.8644845188	Sum of GTIs [s]
ontime6	4408.4142902195	Sum of GTIs [s]
ontime7	7791.9999709725	Sum of GTIs [s]
l2events	1191130	Number of level 2 events

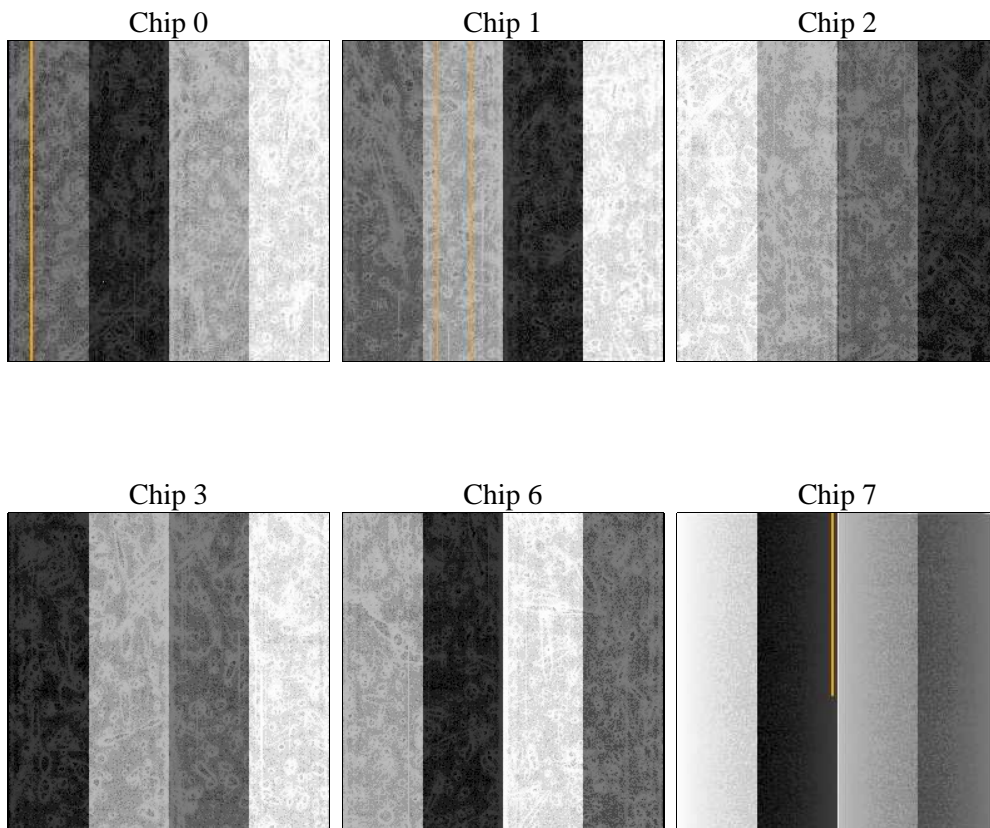
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	7791.9999709725	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	4131.8021990359	Sum of GTIs [s]
date	2012-10-21T08:13:12	Date and time of file creation	ontime1	4264.7246248424	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3966.5937087834	Sum of GTIs [s]
			ontime3	4079.8644845188	Sum of GTIs [s]
			ontime6	4408.4142902195	Sum of GTIs [s]
			ontime7	7791.9999709725	Sum of GTIs [s]
			l1events	1426336	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	202479	208902	196790	203508	226236	388421	grade 0 events	96885	99541	95425	98873	106436	87317
rejected events	27147	28118	27101	28016	30143	40856		47%	47%	48%	48%	47%	22%
rejected %	13%	13%	13%	13%	13%	10%	grade 1 events	514	471	546	554	554	221
								0%	0%	0%	0%	0%	0%
							grade 2 events	30286	31822	28131	29563	34008	76691
								14%	15%	14%	14%	15%	19%
							grade 3 events	11277	11274	11200	11342	12039	35048
								5%	5%	5%	5%	5%	9%
							grade 4 events	11352	11422	11177	11474	12176	34630
								5%	5%	5%	5%	5%	8%
							grade 5 events	1858	1921	1794	1962	2154	7746
								0%	0%	0%	0%	0%	1%
							grade 6 events	25532	26725	23756	24240	31568	114044
								12%	12%	12%	11%	13%	29%
							grade 7 events	24775	25726	24761	25500	27301	32724
								12%	12%	12%	12%	12%	8%

## 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	174.997282549594	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-3.971537858680166	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	62.52887738615613			
[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)	159692643.772572	159692642.74786			
Observation start date	2003-01-23T07:04:04	2003-01-23T07:04:02			
[s] Observation end time (MET)	159726315.023982	159726313.99927			
Observation end date	2003-01-23T16:25:15	2003-01-23T16:25:13			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.11.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7919999709725

### A.2 Comments