

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61673 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 15 2012

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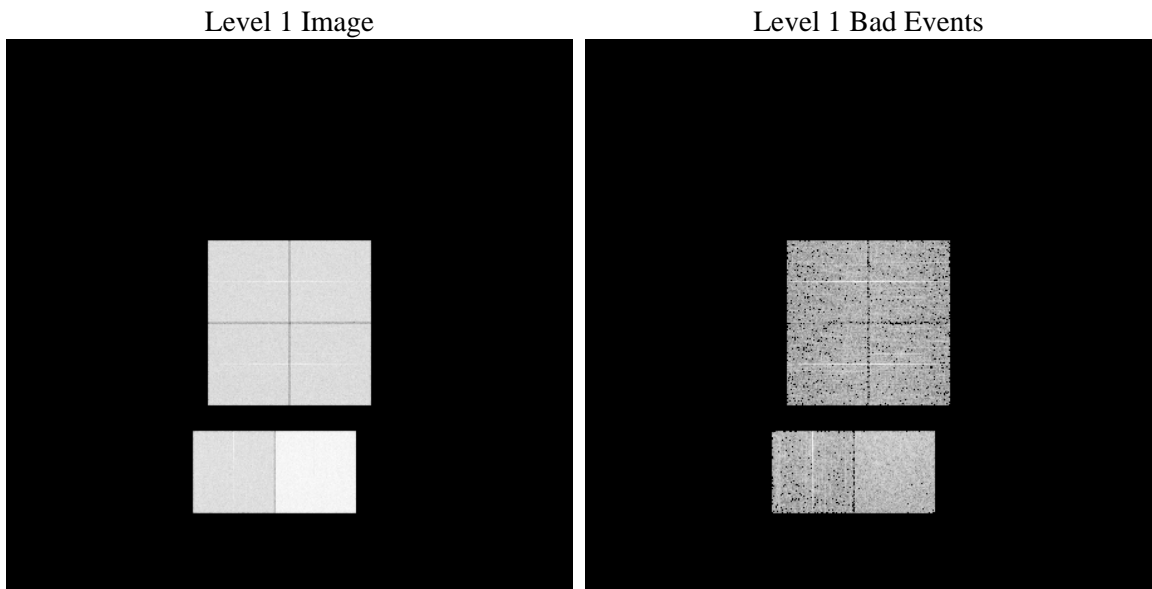
# 1 Front

seq_num	&#160	Sequence number
obs_id	61673	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	99.012925067569	Nominal RA [deg]
dec_nom	-29.026370399714	Nominal Dec [deg]
roll_nom	260.47803663641	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6098.9236283451	Sum of GTIs [s]
livetime	6021.6953850321	Livetime [s]
ontime0	2520.8324465007	Sum of GTIs [s]
ontime1	2579.1300464869	Sum of GTIs [s]
ontime2	2398.3675798327	Sum of GTIs [s]
ontime3	2427.5366905779	Sum of GTIs [s]
ontime6	2647.1094174534	Sum of GTIs [s]
ontime7	6098.9236283451	Sum of GTIs [s]
l2events	1242367	Number of level 2 events

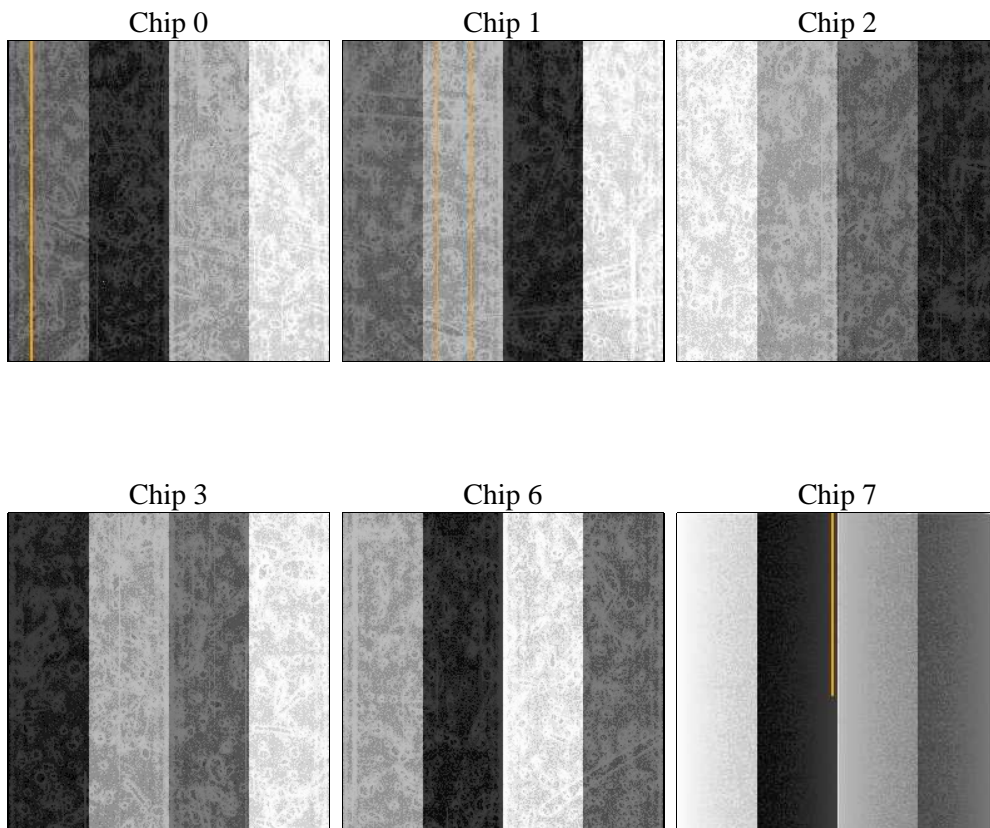
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6098.9236283451	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	2520.8324465007	Sum of GTIs [s]
date	2012-09-15T04:15:12	Date and time of file creation	ontime1	2579.1300464869	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2398.3675798327	Sum of GTIs [s]
			ontime3	2427.5366905779	Sum of GTIs [s]
			ontime6	2647.1094174534	Sum of GTIs [s]
			ontime7	6098.9236283451	Sum of GTIs [s]
			l1events	1427112	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	189881	194509	182737	187822	211541	460622	grade 0 events	93948	95989	91339	93458	102943	110767
rejected events	19226	19841	19005	20431	21783	31755		49%	49%	49%	49%	48%	24%
rejected %	10%	10%	10%	10%	10%	6%	grade 1 events	447	516	490	540	515	283
								0%	0%	0%	0%	0%	0%
							grade 2 events	30120	30941	28328	29146	32701	94699
								15%	15%	15%	15%	15%	20%
							grade 3 events	10700	11030	10240	10573	11875	43660
								5%	5%	5%	5%	5%	9%
							grade 4 events	10617	11012	10307	10672	11789	43375
								5%	5%	5%	5%	5%	9%
							grade 5 events	1453	1486	1409	1533	1658	6868
								0%	0%	0%	0%	0%	1%
							grade 6 events	25270	25696	23518	23542	30450	136366
								13%	13%	12%	12%	14%	29%
							grade 7 events	17326	17839	17106	18358	19610	24604
								9%	9%	9%	9%	9%	5%

## 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	99.01292506756923	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-29.02637039971359	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	260.4780366364109			
[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)	103024925.828	103024925.05998			
Observation start date	2001-04-07T10:02:06	2001-04-07T10:02:05			
[s] Observation end time (MET)	103071555.13	103071554.36179			
Observation end date	2001-04-07T22:59:15	2001-04-07T22:59:14			
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)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.0989236283451

### A.2 Comments