

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57856 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 13 2012

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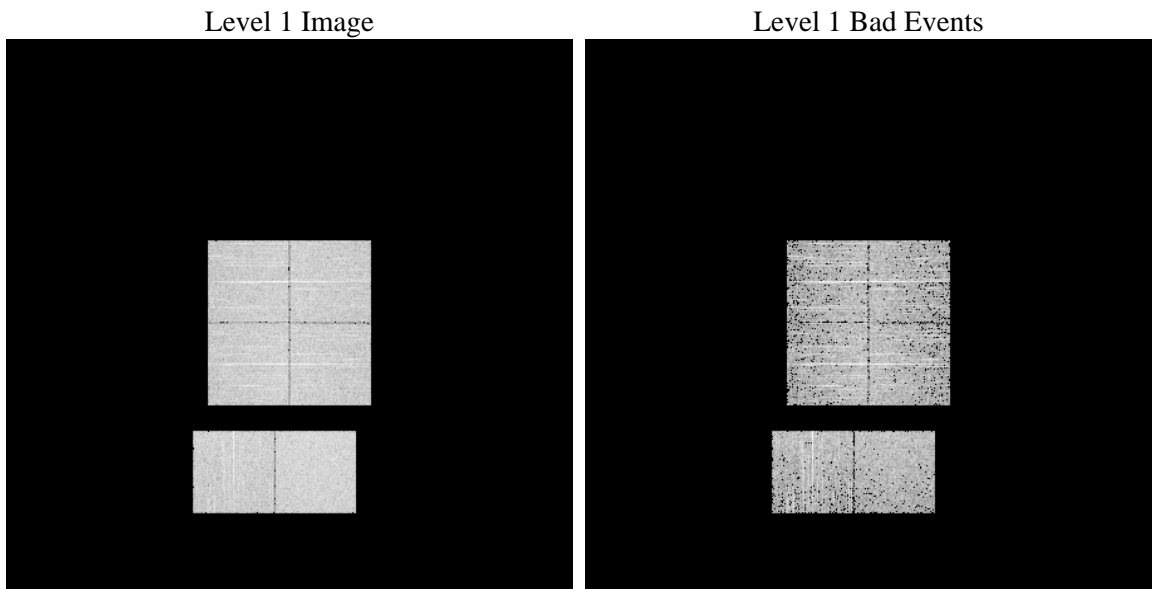
# 1 Front

seq_num	&#160	Sequence number
obs_id	57856	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	68.060686667302	Nominal RA [deg]
dec_nom	51.983591821787	Nominal Dec [deg]
roll_nom	305.31387276593	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2483.199990809	Sum of GTIs [s]
livetime	2451.7562173218	Livetime [s]
ontime0	2483.199990809	Sum of GTIs [s]
ontime1	2483.199990809	Sum of GTIs [s]
ontime2	2483.199990809	Sum of GTIs [s]
ontime3	2479.9589705467	Sum of GTIs [s]
ontime6	2483.199990809	Sum of GTIs [s]
ontime7	2483.199990809	Sum of GTIs [s]
l2events	182093	Number of level 2 events

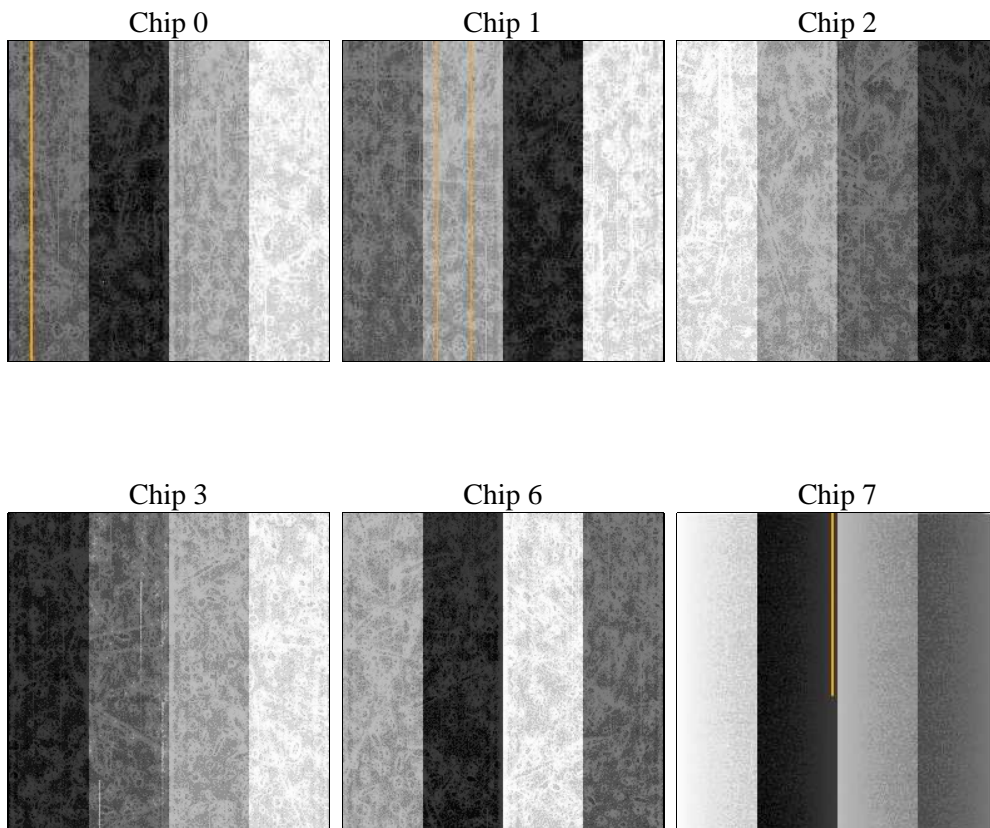
## 2 OBI

### 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	2483.199990809	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	2483.199990809	Sum of GTIs [s]
date	2012-05-13T03:35:15	Date and time of file creation	ontime1	2483.199990809	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2483.199990809	Sum of GTIs [s]
			ontime3	2479.9589705467	Sum of GTIs [s]
			ontime6	2483.199990809	Sum of GTIs [s]
			ontime7	2483.199990809	Sum of GTIs [s]
			l1events	317779	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	50476	50532	52520	51358	52477	60416	grade 0 events	16057	16117	16331	16487	16471	8258
rejected events	20610	20157	22406	21415	21324	19561		31%	31%	31%	32%	31%	13%
rejected %	40%	39%	42%	41%	40%	32%	grade 1 events	109	119	123	127	91	46
								0%	0%	0%	0%	0%	0%
							grade 2 events	5331	5480	5141	5105	5546	8857
								10%	10%	9%	9%	10%	14%
							grade 3 events	1949	2049	2136	2036	2017	3963
								3%	4%	4%	3%	3%	6%
							grade 4 events	2008	2074	2088	2006	2047	3903
								3%	4%	3%	3%	3%	6%
							grade 5 events	1172	1142	1092	1309	1289	3332
								2%	2%	2%	2%	2%	5%
							grade 6 events	4521	4655	4418	4309	5072	15874
								8%	9%	8%	8%	9%	26%
							grade 7 events	19329	18896	21191	19979	19944	16183
								38%	37%	40%	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	68.06068666730184	Alternating exposures requested	N	N
[deg] Pointing Dec	0	51.98359182178721	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	305.313872765931			
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	324873611.219028	324873610.19402			
Observation start date	2008-04-18T02:40:11	2008-04-18T02:40:10			
[s] Observation end time (MET)	324882682.46947	324882681.44447			
Observation end date	2008-04-18T05:11:22	2008-04-18T05:11:21			
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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.483199990809

### A.2 Comments