

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58216 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 30 2012

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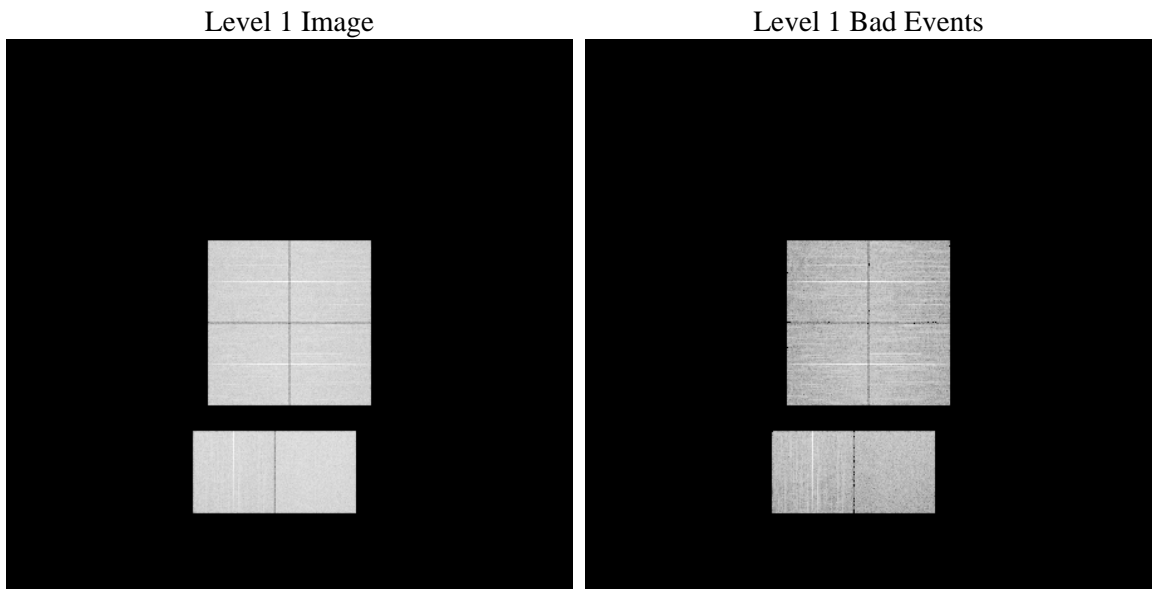
# 1 Front

seq_num	&#160	Sequence number
obs_id	58216	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	349.05965944387	Nominal RA [deg]
dec_nom	-20.086063229083	Nominal Dec [deg]
roll_nom	6.3754161389844	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8274.1108925343	Sum of GTIs [s]
livetime	8169.3391183415	Livetime [s]
ontime0	8274.069852531	Sum of GTIs [s]
ontime1	8274.0288125277	Sum of GTIs [s]
ontime2	8273.9877725244	Sum of GTIs [s]
ontime3	8274.1519325376	Sum of GTIs [s]
ontime6	8273.9467325211	Sum of GTIs [s]
ontime7	8274.1108925343	Sum of GTIs [s]
l2events	693714	Number of level 2 events

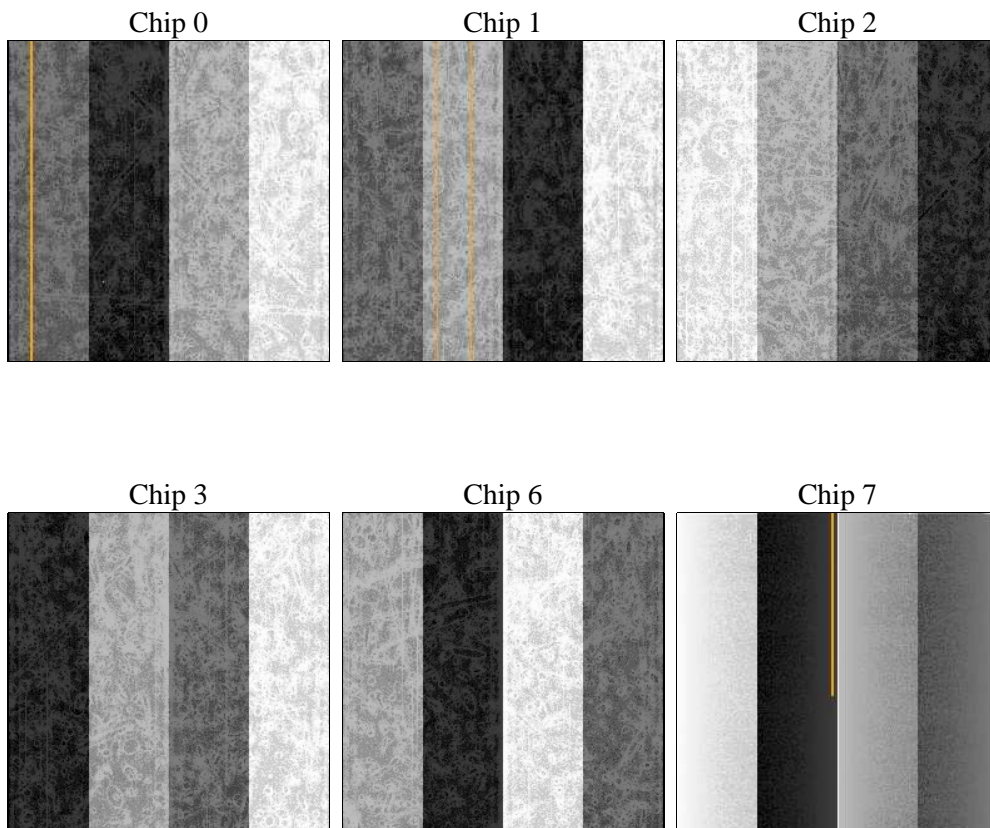
## 2 OBI

### 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	8274.1108925343	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8274.069852531	Sum of GTIs [s]
date	2012-04-30T19:06:42	Date and time of file creation	ontime1	8274.0288125277	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8273.9877725244	Sum of GTIs [s]
			ontime3	8274.1519325376	Sum of GTIs [s]
			ontime6	8273.9467325211	Sum of GTIs [s]
			ontime7	8274.1108925343	Sum of GTIs [s]
			l1events	1161848	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	183443	185183	189194	192658	195886	215484	grade 0 events	61549	61697	63608	63915	63892	31340
rejected events	69170	69832	73609	76558	75697	65304		33%	33%	33%	33%	32%	14%
rejected %	37%	37%	38%	39%	38%	30%	grade 1 events	458	375	451	501	408	183
								0%	0%	0%	0%	0%	0%
							grade 2 events	20390	21029	19700	20048	21337	32611
								11%	11%	10%	10%	10%	15%
							grade 3 events	7620	7452	7645	7759	7583	14337
								4%	4%	4%	4%	3%	6%
							grade 4 events	7538	7467	7779	7743	7620	14283
								4%	4%	4%	4%	3%	6%
							grade 5 events	3953	4057	3681	4244	4394	10922
								2%	2%	1%	2%	2%	5%
							grade 6 events	17176	17706	16853	16635	19757	57609
								9%	9%	8%	8%	10%	26%
							grade 7 events	64759	65400	69477	71813	70895	54199
								35%	35%	36%	37%	36%	25%

## 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	349.0596594438701	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-20.08606322908322	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	6.375416138984365			
[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)	305722920.291931	305722919.26694			
Observation start date	2007-09-09T11:02:00	2007-09-09T11:01:59			
[s] Observation end time (MET)	305735478.592535	305735477.56755			
Observation end date	2007-09-09T14:31:19	2007-09-09T14:31:17			
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)	2012.05.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2741108925343

### A.2 Comments