

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58116 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 5 2012

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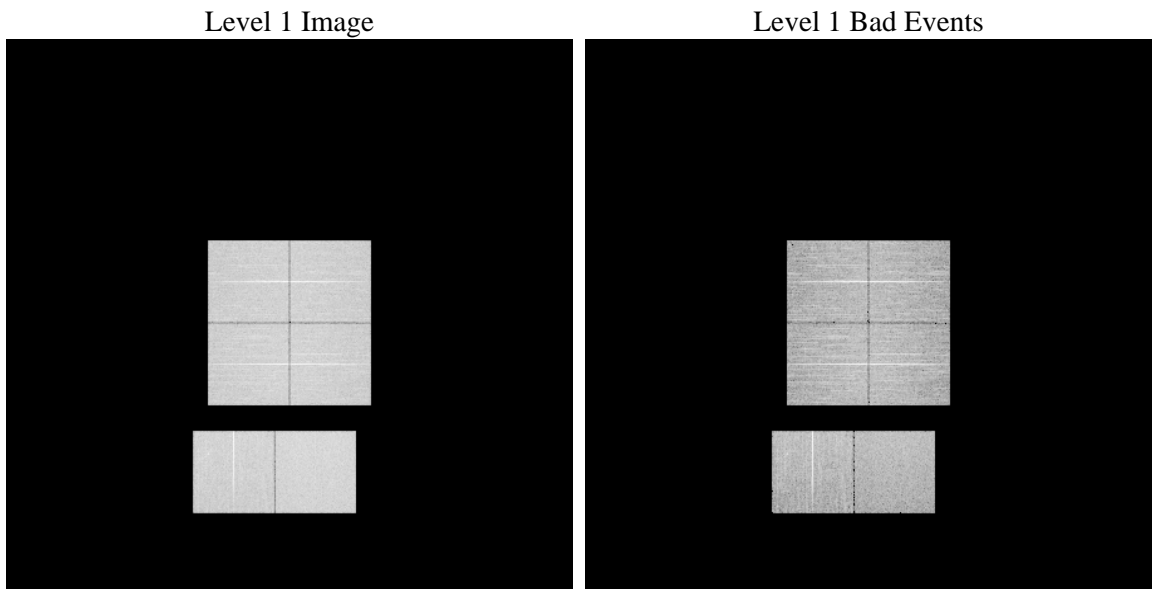
# 1 Front

seq_num	&#160	Sequence number
obs_id	58116	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	84.958922073624	Nominal RA [deg]
dec_nom	7.0411528166155	Nominal Dec [deg]
roll_nom	61.531718118074	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8190.5555167794	Sum of GTIs [s]
livetime	8086.8417710655	Livetime [s]
ontime0	8190.5144767761	Sum of GTIs [s]
ontime1	8190.4734367728	Sum of GTIs [s]
ontime2	8190.4323967695	Sum of GTIs [s]
ontime3	8190.5965567827	Sum of GTIs [s]
ontime6	8190.3913567662	Sum of GTIs [s]
ontime7	8190.5555167794	Sum of GTIs [s]
l2events	650757	Number of level 2 events

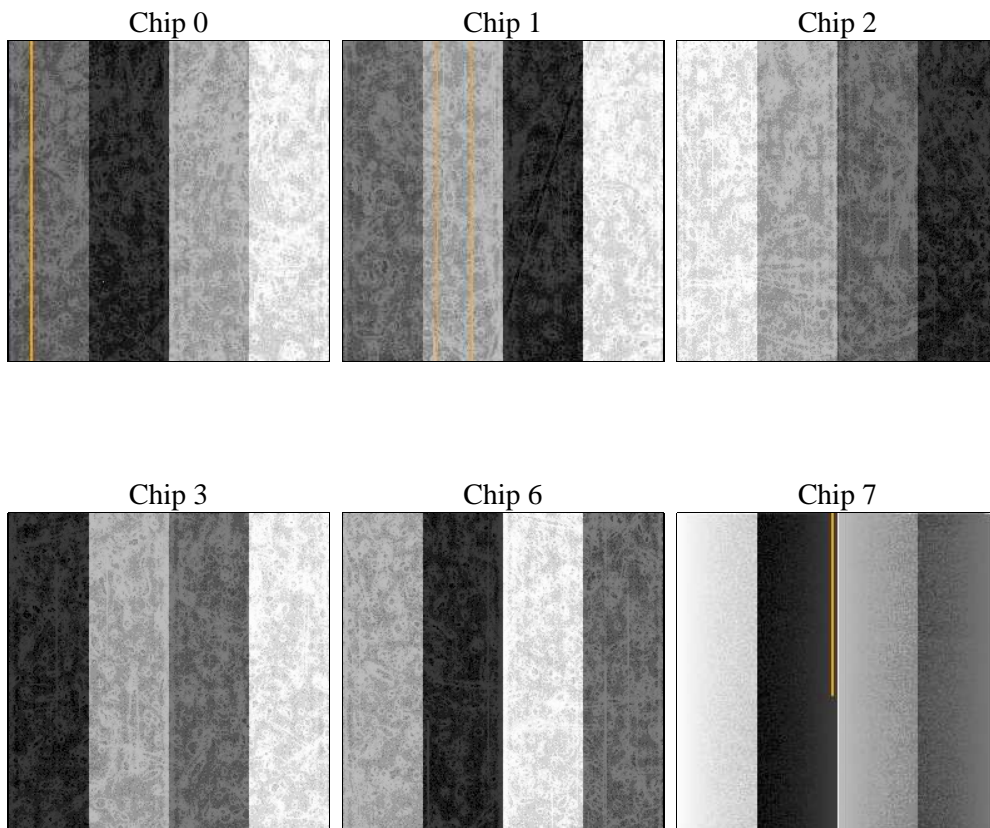
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25620	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8190.5555167794	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8190.5144767761	Sum of GTIs [s]
date	2012-05-05T05:40:16	Date and time of file creation	ontime1	8190.4734367728	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	8190.4323967695	Sum of GTIs [s]
			ontime3	8190.5965567827	Sum of GTIs [s]
			ontime6	8190.3913567662	Sum of GTIs [s]
			ontime7	8190.5555167794	Sum of GTIs [s]
			l1events	1109650	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	175971	175862	183365	182003	185933	206516	grade 0 events	58754	58371	60112	60469	60198	29163
rejected events	68296	67468	75137	73332	73522	65356		33%	33%	32%	33%	32%	14%
rejected %	38%	38%	40%	40%	39%	31%	grade 1 events	433	343	462	488	387	199
								0%	0%	0%	0%	0%	0%
							grade 2 events	19434	20160	18539	18828	19845	30754
								11%	11%	10%	10%	10%	14%
							grade 3 events	7232	7152	7325	7366	7408	13609
								4%	4%	3%	4%	3%	6%
							grade 4 events	7115	7233	7488	7344	7339	13481
								4%	4%	4%	4%	3%	6%
							grade 5 events	3776	4064	3620	4199	4141	10530
								2%	2%	1%	2%	2%	5%
							grade 6 events	16279	16626	15944	15748	18803	55671
								9%	9%	8%	8%	10%	26%
							grade 7 events	62948	61913	69875	67561	67812	53109
								35%	35%	38%	37%	36%	25%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	84.95892367391144	84.95892207362439
[deg] Pointing Dec	7.041152429238473	7.041152816615509
[deg] Pointing Roll	61.53171279691531	61.53171811807368
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	312102709.199524	312102709.199524
Observation start date	2007-11-22T07:56:00	2007-11-22T07:11:49
[s] Observation end time (MET)	312134186.577594	312134186.577594
Observation end date	2007-11-22T15:03:00	2007-11-22T15:56:26
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1905555167794

### **A.2 Comments**