

# V&V Reference Report

## L2 ASCDS Version : 8.3.2.1

Observation 1310 - L2 Version 3

Chandra X-Ray Center

L2 Processing Date : Sep 28 2010

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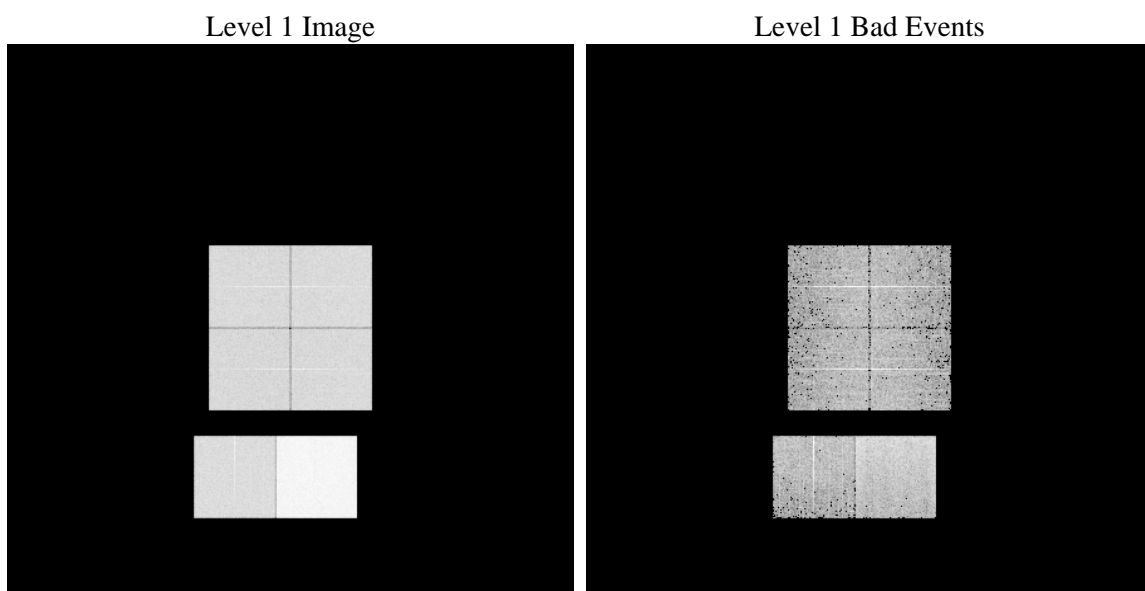
# 1 Front

seq_num	&#160	Sequence number
obs_id	1310	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
dec_targ	0.0	Observer's specified target Dec
ra_nom	266.39532951572	Nominal RA
dec_nom	-80.005444789459	Nominal Dec
roll_nom	267.99692672742	Nominal Roll
revision	3	Processing version of data
ontime	4194.3606011495	Sum of GTIs [s]
livetime	4141.249081677	Livetime [s]
ontime0	1627.0007863492	Sum of GTIs [s]
ontime1	1685.3394566104	Sum of GTIs [s]
ontime2	1526.5285760909	Sum of GTIs [s]
ontime3	1601.0724662989	Sum of GTIs [s]
ontime6	1737.1961465627	Sum of GTIs [s]
ontime7	4194.3606011495	Sum of GTIs [s]
l2events	1156206	Number of level 2 events

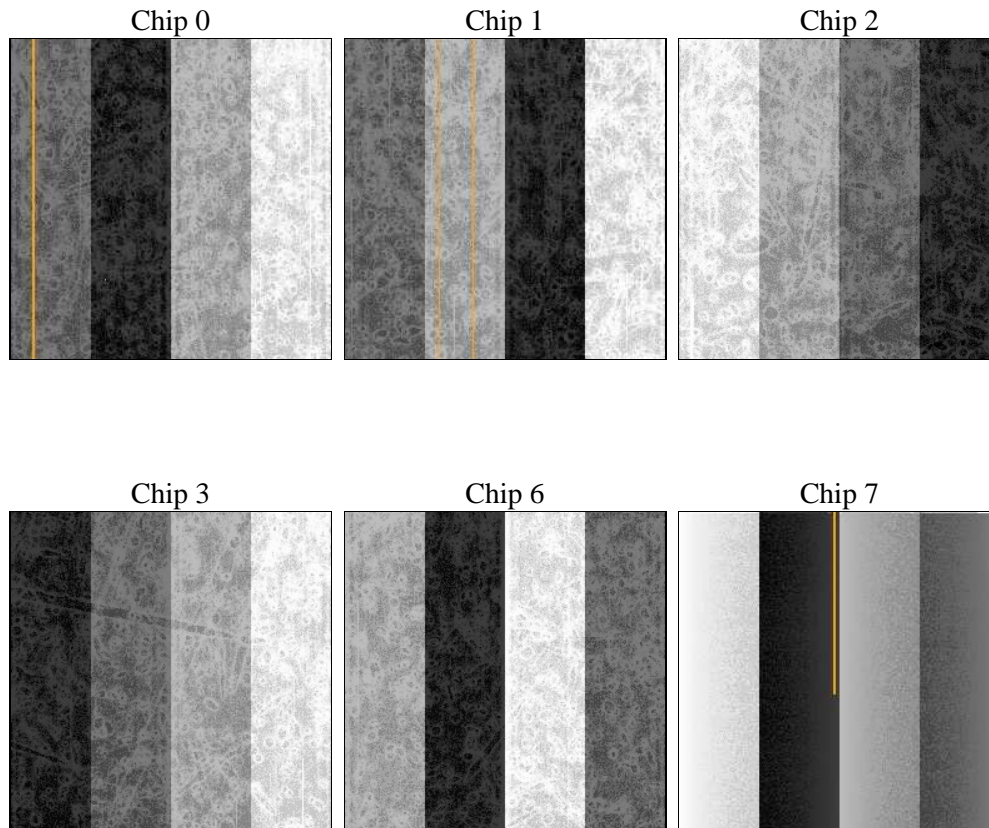
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.3.2.1	ASCDS version number
caldsver	4.3.1	&#160
date	2010-09-28T18:56:19	Date and time of file creation
revision	3	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	4194.3606011495	Sum of GTIs [s]
ontime0	1627.0007863492	Sum of GTIs [s]
ontime1	1685.3394566104	Sum of GTIs [s]
ontime2	1526.5285760909	Sum of GTIs [s]
ontime3	1601.0724662989	Sum of GTIs [s]
ontime6	1737.1961465627	Sum of GTIs [s]
ontime7	4194.3606011495	Sum of GTIs [s]
l1events	1336189	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	172531	177716	163912	172189	190152	459689
rejected events	23458	22909	24124	25260	27897	44400
rejected %	13%	12%	14%	14%	14%	9%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	57202	59529	46807	50078	45891	76111
	33%	33%	28%	29%	24%	16%
grade 1 events	274	212	187	238	196	215
	0%	0%	0%	0%	0%	0%
grade 2 events	53866	55765	58268	60490	75140	116742
	31%	31%	35%	35%	39%	25%
grade 3 events	6110	6473	4802	5172	4687	36000
	3%	3%	2%	3%	2%	7%
grade 4 events	6199	6451	4801	5419	4883	32474
	3%	3%	2%	3%	2%	7%
grade 5 events	1509	1523	1445	1454	1632	6393
	0%	0%	0%	0%	0%	1%
grade 6 events	25696	26589	25110	25770	31654	154281
	14%	14%	15%	14%	16%	33%
grade 7 events	21675	21174	22492	23568	26069	37473
	12%	11%	13%	13%	13%	8%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
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
Pointing RA	0	266.3953295157157	Alternating exposures requested	N	N
Pointing Dec	0	-80.00544478945882	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	267.9969267274227			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	54320220.357	54320219.589041			
Observation start date	1999-09-21T16:57:00	1999-09-21T16:56:59			
Observation end time	54330119.808	54330119.039396			
Observation end date	1999-09-21T19:42:00	1999-09-21T19:41:59			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1943606011495

### A.2 Comments