

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 59914 - L2 Version 002  
Chandra X-Ray Center

L2 Processing Date : Apr 7 2006

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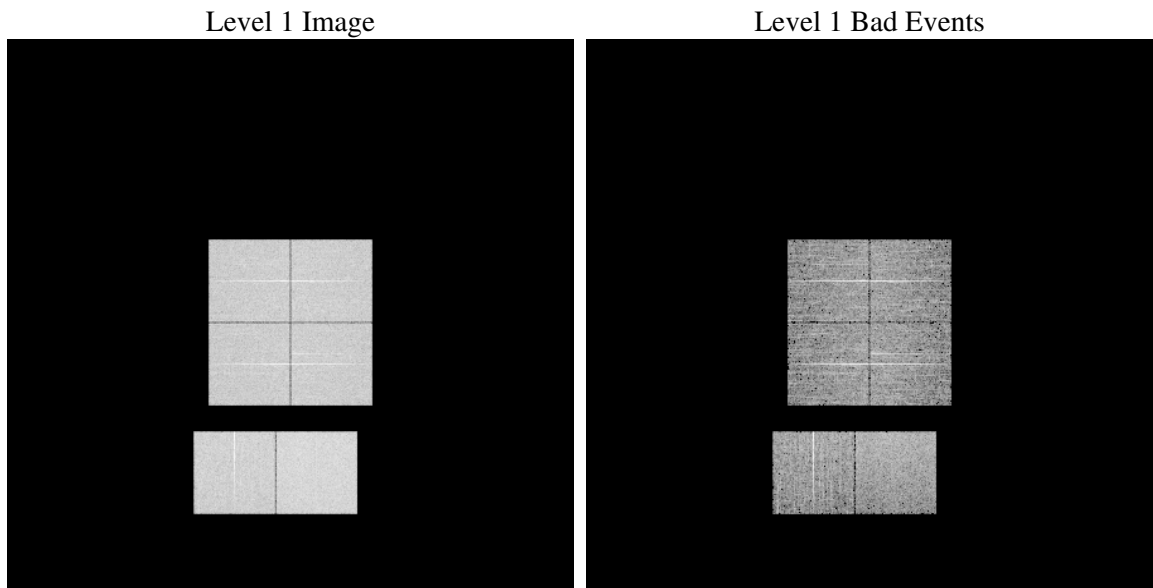
# 1 Front

seq_num	&#160
obs_id	59914
title	ACIS-012367 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	&#160
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	51.41851120206
dec_nom	26.376709794402
roll_nom	272.54941978269
revision	2
ontime	5349.4419928193
livetime	5281.704137259
ontime0	4419.3209190071
ontime1	4536.0372291803
ontime2	4280.0404178202
ontime3	4360.9011929333
ontime6	4649.5538193583
ontime7	5349.4419928193
l2events	723718

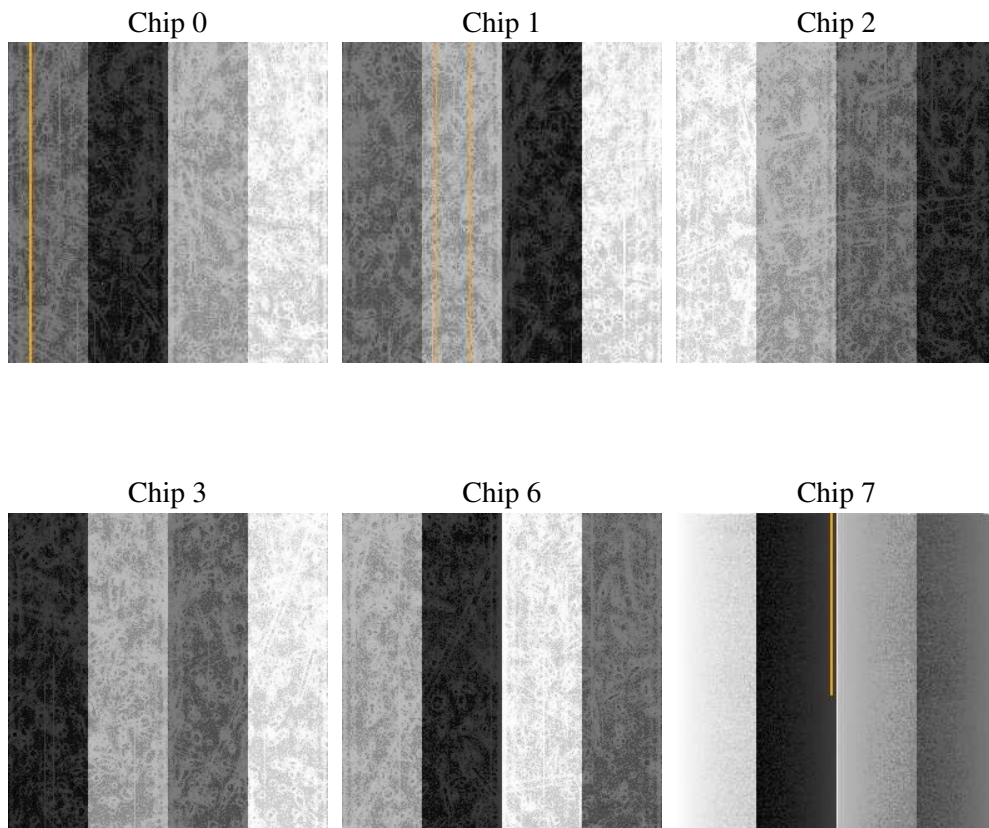
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-07T19:21:15
revision	2

sched_exp_time	0.0
ontime	5350.9090908766
ontime0	4420.746977061
ontime1	4537.422247231
ontime2	4281.3843958676
ontime3	4362.4093309939
ontime6	4650.8567574322
ontime7	5350.9090908766
l1events	976124

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	153005	155891	150107	154300	168607	194214
rejected events	33778	33345	33719	35074	37645	41896
rejected %	22%	21%	22%	22%	22%	21%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	65692	66803	65144	66938	70581	24235
	42%	42%	43%	43%	41%	12%
grade 1 events	405	360	408	423	370	78
	0%	0%	0%	0%	0%	0%
grade 2 events	20674	22046	19531	20294	22964	47425
	13%	14%	13%	13%	13%	24%
grade 3 events	7735	7796	7537	7683	8204	10193
	5%	5%	5%	4%	4%	5%
grade 4 events	7836	7622	7638	7851	8203	10112
	5%	4%	5%	5%	4%	5%
grade 5 events	2049	2125	1897	2153	2301	4762
	1%	1%	1%	1%	1%	2%
grade 6 events	17290	18279	16538	16460	21010	60353
	11%	11%	11%	10%	12%	31%
grade 7 events	31324	30860	31414	32498	34974	37056
	20%	19%	20%	21%	20%	19%

## 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	51.41851120205999	Alternating exposures requested	N	N
Pointing Dec	0	26.37670979440202	Primary exposure time	3.2	3.2
Pointing Roll	0.0	272.5494197826903			
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	219771557.685048	219771556.66005			
Observation start date	2004-12-18T15:39:18	2004-12-18T15:39:16			
Observation end time	219788546.035813	219788545.01081			
Observation end date	2004-12-18T20:22:26	2004-12-18T20:22:25			
Read mode	TIMED	TIMED			

## 2.3 Aspect



## **2.4 Star Slots**

## **2.5 FID Slots**



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.34944199

### A.2 Comments