

# V&V Reference Report

## L2 ASCDS Version : 7.6.11

Observation 61872 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Aug 27 2007

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Star Slots . . . . .	6
2.4	FID Slots . . . . .	6
<b>A</b>	<b>Summary</b>	<b>7</b>
A.1	Status . . . . .	7
A.2	Comments . . . . .	7

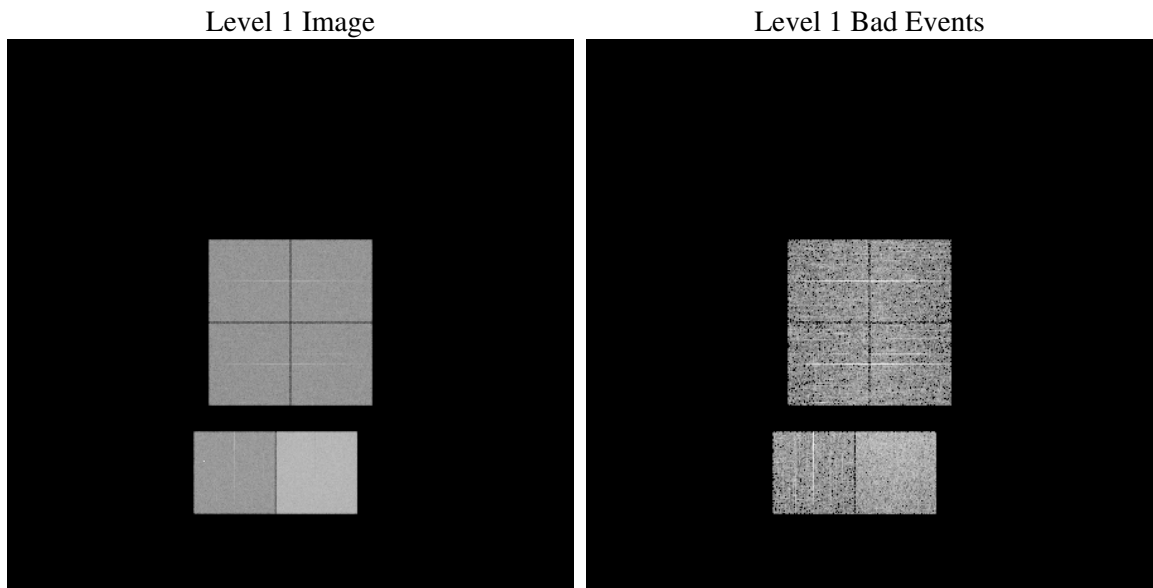
# 1 Front

seq_num	&#160
obs_id	61872
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	173.01514025263
dec_nom	52.027162330282
roll_nom	38.411926252875
revision	3
ontime	5534.0296552479
livetime	5463.9544395606
ontime0	2312.5208378583
ontime1	2361.1775275469
ontime2	2176.4795472175
ontime3	2257.3411477655
ontime6	2455.2498371601
ontime7	5534.0296552479
l2events	1244893

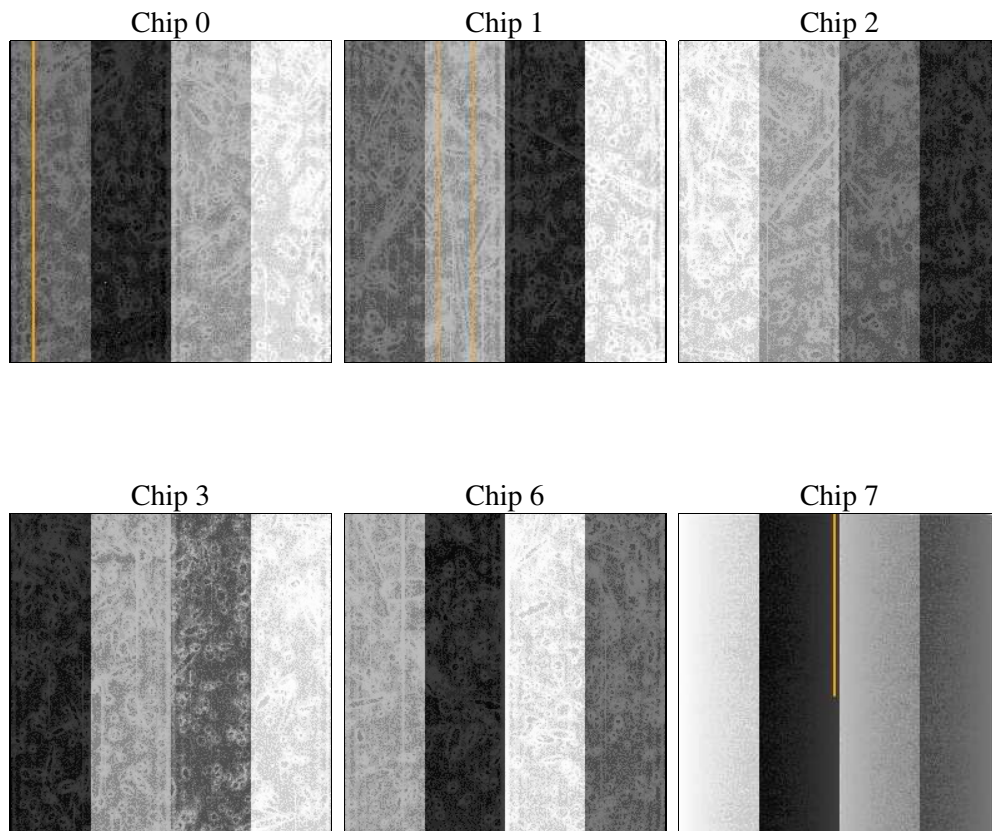
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.11
caldsver	3.4.0
date	2007-08-27T20:13:05
revision	3

sched_exp_time	0.0
ontime	5534.0296552479
ontime0	2312.5208378583
ontime1	2361.1775275469
ontime2	2176.4795472175
ontime3	2257.3411477655
ontime6	2455.2498371601
ontime7	5534.0296552479
l1events	1423404

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	189118	193883	182491	189546	213083	455283
rejected events	18398	18611	19266	19873	20679	29315
rejected %	9%	9%	10%	10%	9%	6%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	94432	96907	90930	95163	105520	109678
	49%	49%	49%	50%	49%	24%
grade 1 events	524	491	499	527	510	295
	0%	0%	0%	0%	0%	0%
grade 2 events	30244	30716	28366	29974	33066	94810
	15%	15%	15%	15%	15%	20%
grade 3 events	10720	11173	10430	10708	11732	44138
	5%	5%	5%	5%	5%	9%
grade 4 events	10782	11142	10334	10615	11901	43371
	5%	5%	5%	5%	5%	9%
grade 5 events	1331	1393	1288	1420	1585	6372
	0%	0%	0%	0%	0%	1%
grade 6 events	24883	25334	23265	23716	30185	134206
	13%	13%	12%	12%	14%	29%
grade 7 events	16202	16727	17379	17423	18584	22413
	8%	8%	9%	9%	8%	4%

## 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	173.0151402526251	Alternating exposures requested	N	N
Pointing Dec	0	52.02716233028166	Primary exposure time	3.2	3.2
Pointing Roll	0.0	38.4119262528748			
SIM focus pos (mm)	-0.782348	-1.428180813131781			
SIM defocus (mm)	0	0.1051558262725154			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	88858884.084878	88858883.316397			
Observation start date	2000-10-25T11:01:24	2000-10-25T11:01:23			
Observation end time	88906737.236691	88906736.468207			
Observation end date	2000-10-26T00:18:57	2000-10-26T00:18:56			
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)	2007.08.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.53402965

### A.2 Comments