

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 61399 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Jan 21 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

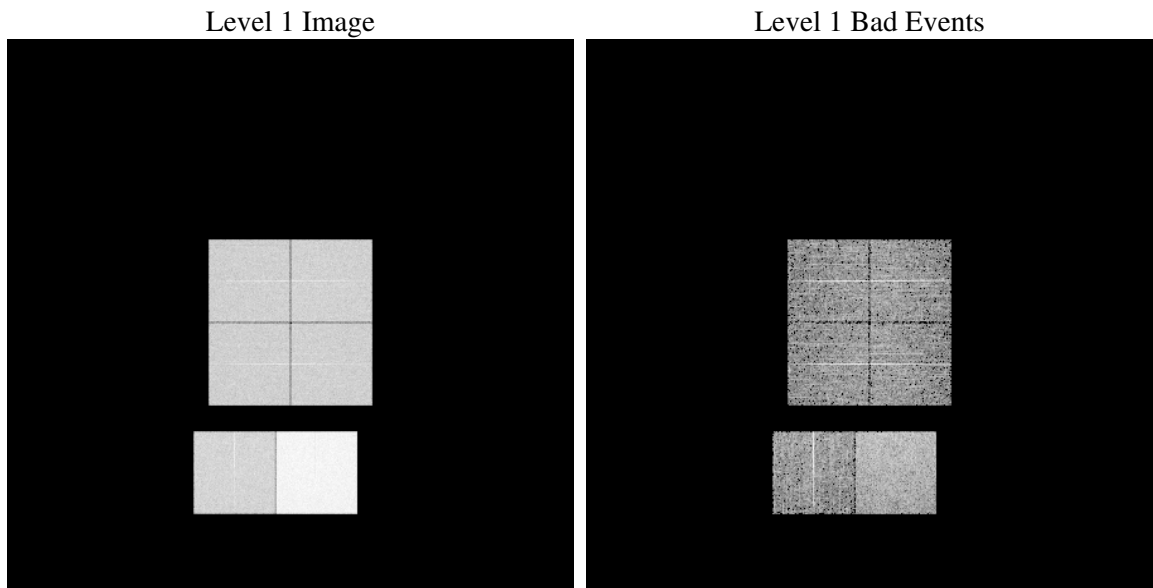
# 1 Front

seq_num	&#160
obs_id	61399
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	322.03003201396
dec_nom	-52.021841792308
roll_nom	277.45880485089
revision	2
ontime	7362.948932305
livetime	7269.7148394886
ontime0	2858.0360303223
ontime1	2952.0656550527
ontime2	2780.3335491419
ontime3	2835.2664010376
ontime6	3110.9580168575
ontime7	7362.948932305
l2events	1219461

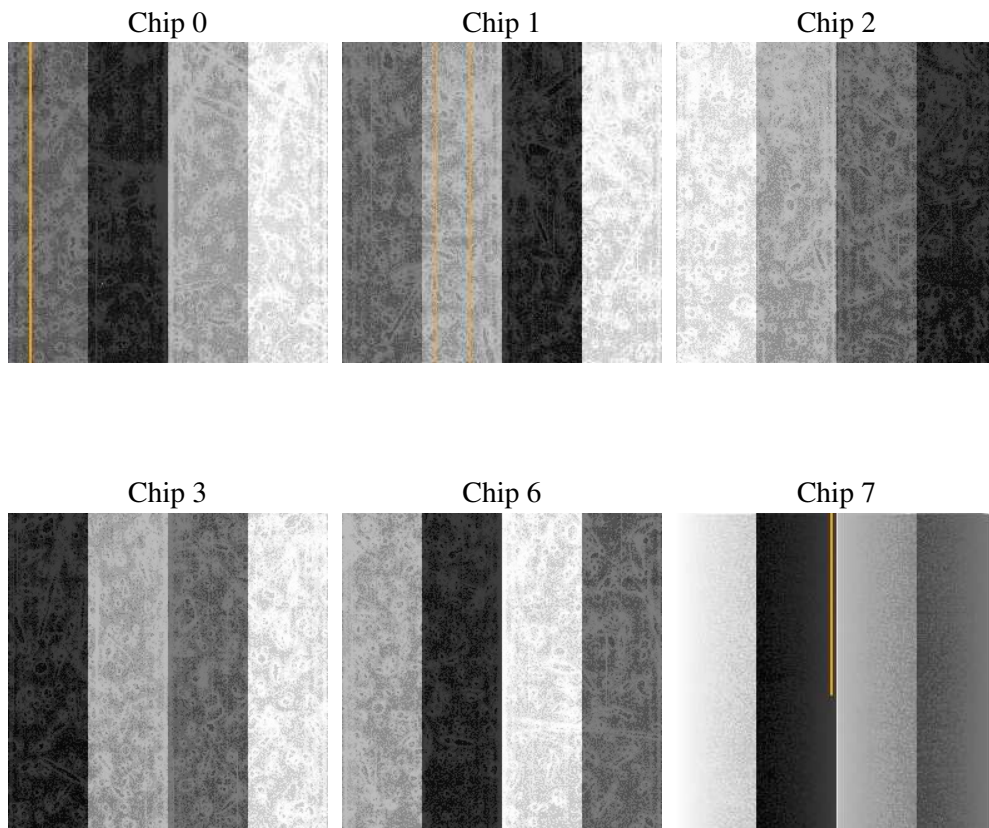
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.10
caldsver	3.3.0
date	2007-01-20T15:49:37
revision	2

sched_exp_time	0.0
ontime	7362.948932305
ontime0	2858.0360303223
ontime1	2952.0656550527
ontime2	2780.3335491419
ontime3	2835.2664010376
ontime6	3110.9580168575
ontime7	7362.948932305
l1events	1417585

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	182032	188741	180686	183477	208618	474031
rejected events	20645	22081	21125	21532	23214	38647
rejected %	11%	11%	11%	11%	11%	8%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	88591	91874	88696	90626	101278	112499
	48%	48%	49%	49%	48%	23%
grade 1 events	458	497	455	469	493	305
	0%	0%	0%	0%	0%	0%
grade 2 events	28450	29249	27922	28310	32041	96805
	15%	15%	15%	15%	15%	20%
grade 3 events	10406	10549	10120	10334	11580	44744
	5%	5%	5%	5%	5%	9%
grade 4 events	10220	10417	10185	10322	11315	44416
	5%	5%	5%	5%	5%	9%
grade 5 events	1483	1551	1422	1497	1781	8048
	0%	0%	0%	0%	0%	1%
grade 6 events	23720	24571	22638	22353	29190	137005
	13%	13%	12%	12%	13%	28%
grade 7 events	18704	20033	19248	19566	20940	30209
	10%	10%	10%	10%	10%	6%

## 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	322.0300320139637	Alternating exposures requested	N	N
Pointing Dec	0	-52.02184179230785	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	277.4588048508936			
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	123358425.628	123358424.85927			
Observation start date	2001-11-28T18:13:46	2001-11-28T18:13:44			
Observation end time	123394495.379	123394494.61071			
Observation end date	2001-11-29T04:14:55	2001-11-29T04:14:54			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.36294893

### A.2 Comments