

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 60563 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Jul 6 2006

## 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	Aspect . . . . .	6
2.4	Star Slots . . . . .	8
2.5	FID Slots . . . . .	8
<b>A</b>	<b>Summary</b>	<b>9</b>
A.1	Status . . . . .	9
A.2	Comments . . . . .	9

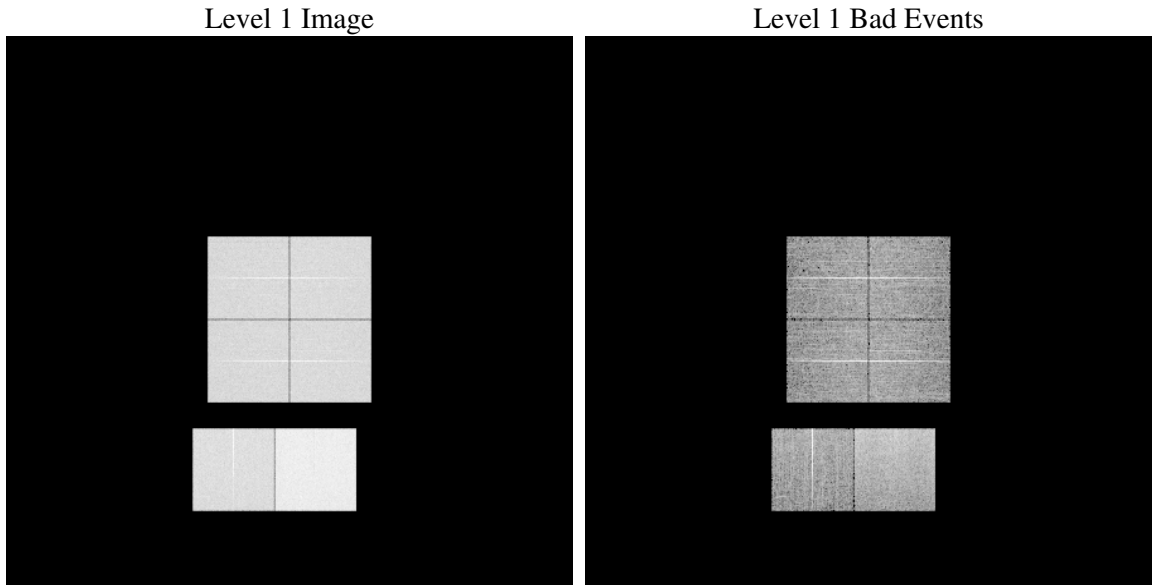
# 1 Front

seq_num	&#160
obs_id	60563
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	18.969180529146
dec_nom	27.007973548618
roll_nom	130.91589057178
revision	2
ontime	12207.07694605
livetime	12052.50358754
ontime0	7634.091812849
ontime1	7844.7967110872
ontime2	7400.8223282695
ontime3	7562.7080873549
ontime6	8152.7720551491
ontime7	12207.07694605
l2events	1793855

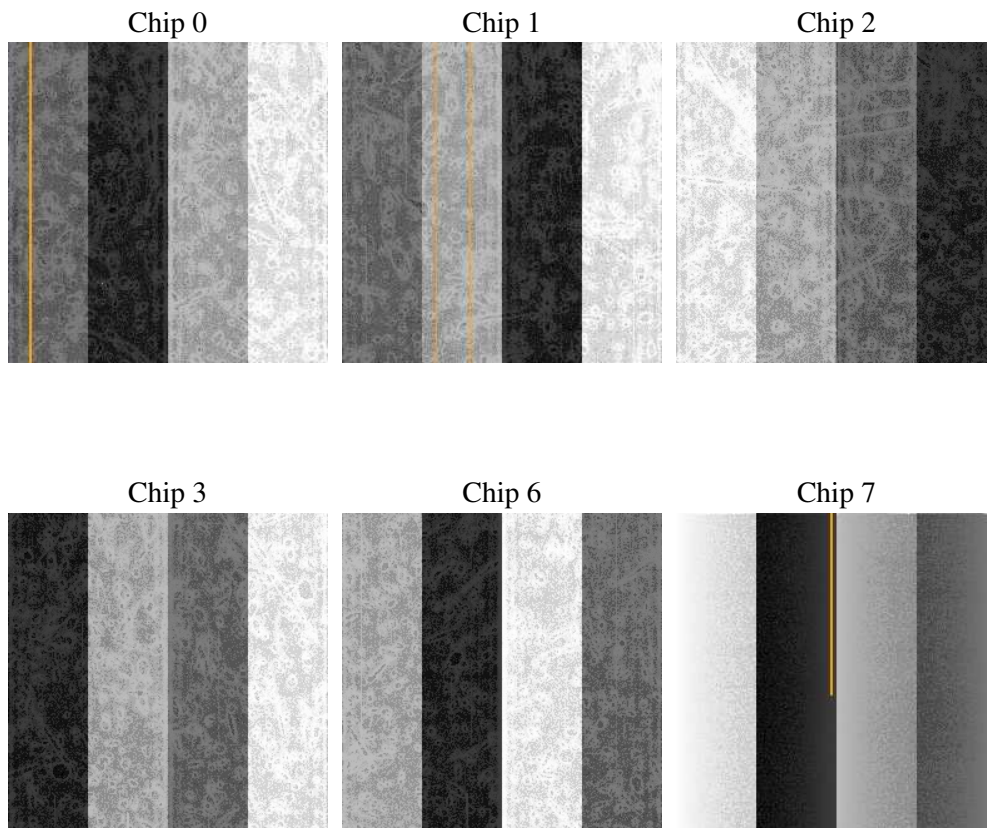
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-06T07:05:59
revision	2

sched_exp_time	0.0
ontime	12208.880512923
ontime0	7635.8543397188
ontime1	7846.5181979537
ontime2	7402.5027751327
ontime3	7564.5526942313
ontime6	8154.4114620388
ontime7	12208.880512923
l1events	2207416

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	324706	332655	320493	328595	365317	535650
rejected events	47796	49042	47970	50250	53636	79509
rejected %	14%	14%	14%	15%	14%	14%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	153186	155965	153316	156654	170393	83292
	47%	46%	47%	47%	46%	15%
grade 1 events	819	756	930	871	791	197
	0%	0%	0%	0%	0%	0%
grade 2 events	48401	50151	45993	47664	53558	137009
	14%	15%	14%	14%	14%	25%
grade 3 events	17693	18205	17731	17977	19354	34167
	5%	5%	5%	5%	5%	6%
grade 4 events	18047	18140	17586	18067	19474	33776
	5%	5%	5%	5%	5%	6%
grade 5 events	3202	3376	3041	3410	3843	10204
	0%	1%	0%	1%	1%	1%
grade 6 events	39688	41282	38019	38126	49029	167994
	12%	12%	11%	11%	13%	31%
grade 7 events	43670	44780	43877	45826	48875	69011
	13%	13%	13%	13%	13%	12%

## 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	18.96918052914603	Alternating exposures requested	N	N
Pointing Dec	0	27.00797354861766	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	130.9158905717831			
SIM focus pos (mm)	-0.782348	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	179329227.654508	179329226.6298			
Observation start date	2003-09-07T13:40:28	2003-09-07T13:40:26			
Observation end time	179345045.455185	179345044.43048			
Observation end date	2003-09-07T18:04:05	2003-09-07T18:04:04			
Read mode	TIMED	TIMED			

## 2.3 Aspect



**2.4 Star Slots**

**2.5 FID Slots**

# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.2070769

## A.2 Comments