

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 59792 - L2 Version 002  
Chandra X-Ray Center

L2 Processing Date: Feb 23 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

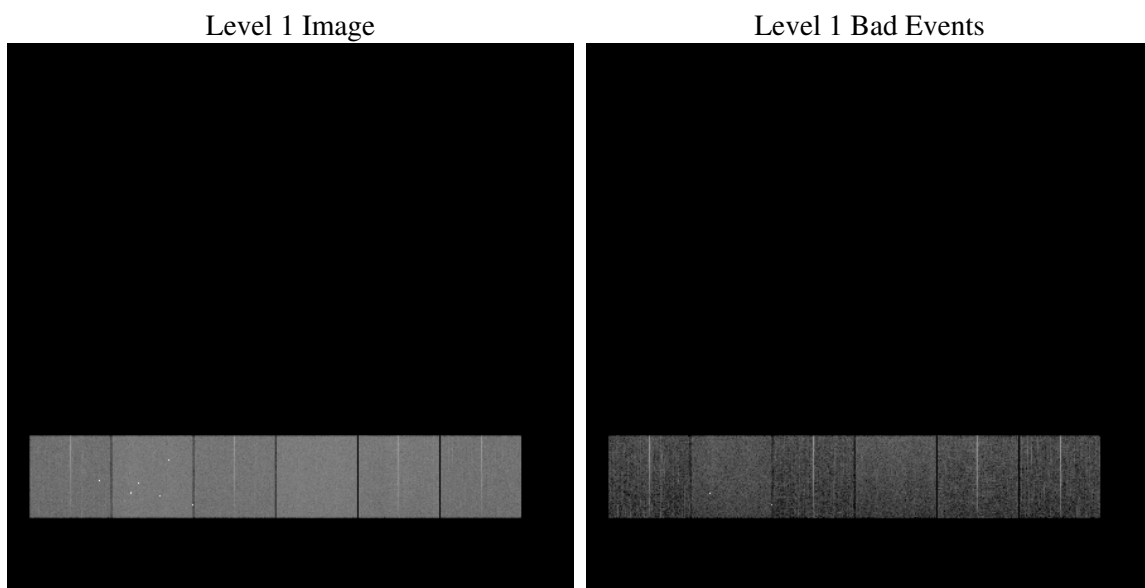
# 1 Front

seq_num	&#160
obs_id	59792
title	ACIS-456789 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	&#160
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	171.96493109213
dec_nom	29.509025863465
roll_nom	133.5060548248
revision	2
ontime	7795.6779849529
livetime	7696.9644163137
ontime4	6106.606580466
ontime5	7798.3999709487
ontime6	6686.7428106964
ontime7	7795.6779849529
ontime8	6868.2378168106
ontime9	6395.5319902897
l2events	1022624

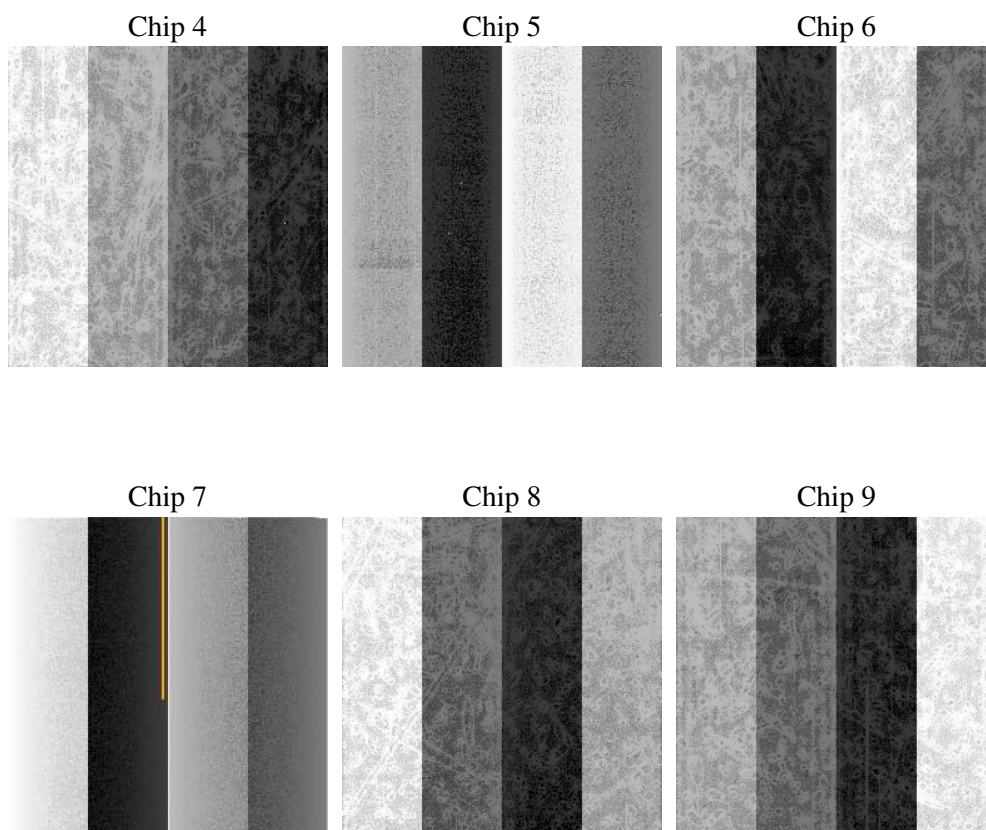
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldsver	3.2.1
date	2006-02-24T02:16:07
revision	2

sched_exp_time	0.0
ontime	7797.8719727397
ontime4	6109.3195824325
ontime5	7801.1129729152
ontime6	6689.4558126628
ontime7	7797.8719727397
ontime8	6870.9508187771
ontime9	6397.7670180798
l1events	1408389

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	199680	261393	225900	267684	242180	211552
rejected events	47487	61068	47196	57277	53311	47250
rejected %	23%	23%	20%	21%	22%	22%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	89239	25635	96840	34000	102267	90612
	44%	9%	42%	12%	42%	42%
grade 1 events	675	221	441	95	544	518
	0%	0%	0%	0%	0%	0%
grade 2 events	23399	90905	31244	65388	33508	27818
	11%	34%	13%	24%	13%	13%
grade 3 events	10053	6059	11070	14306	12327	10331
	5%	2%	4%	5%	5%	4%
grade 4 events	10213	5873	10868	13934	12230	10564
	5%	2%	4%	5%	5%	4%
grade 5 events	2607	5916	3058	6459	3782	3153
	1%	2%	1%	2%	1%	1%
grade 6 events	19364	71945	28775	82876	28623	25048
	9%	27%	12%	30%	11%	11%
grade 7 events	44130	54839	43604	50626	48899	43508
	22%	20%	19%	18%	20%	20%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	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	171.9649310921329	Alternating exposures requested	N	N
Pointing Dec	0	29.50902586346455	Primary exposure time	3.2	3.2
Pointing Roll	0.0	133.5060548247995			
SIM focus pos (mm)	-0.684267	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	225257849.932702	225257848.9077			
Observation start date	2005-02-20T03:37:30	2005-02-20T03:37:28			
Observation end time	225272144.583349	225272143.55835			
Observation end date	2005-02-20T07:35:45	2005-02-20T07:35:43			
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)	2006.02.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.79567798

### A.2 Comments