

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 59412 - L2 Version 002  
Chandra X-Ray Center

L2 Processing Date : Apr 1 2006

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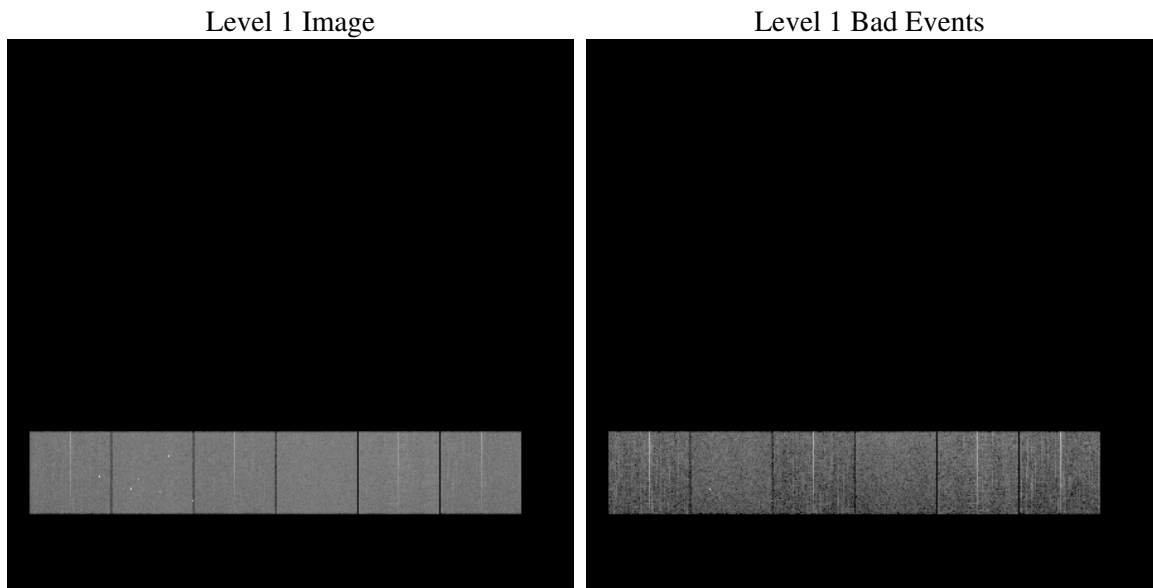
# 1 Front

seq_num	&#160
obs_id	59412
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	344.82295708985
dec_nom	-5.0171776046237
roll_nom	290.13482848644
revision	2
ontime	6338.1401647627
livetime	6257.8828176267
ontime4	5929.8997471035
ontime5	6338.181204766
ontime6	6140.5222974122
ontime7	6338.1401647627
ontime8	6325.3404234648
ontime9	6140.3993064761
l2events	796081

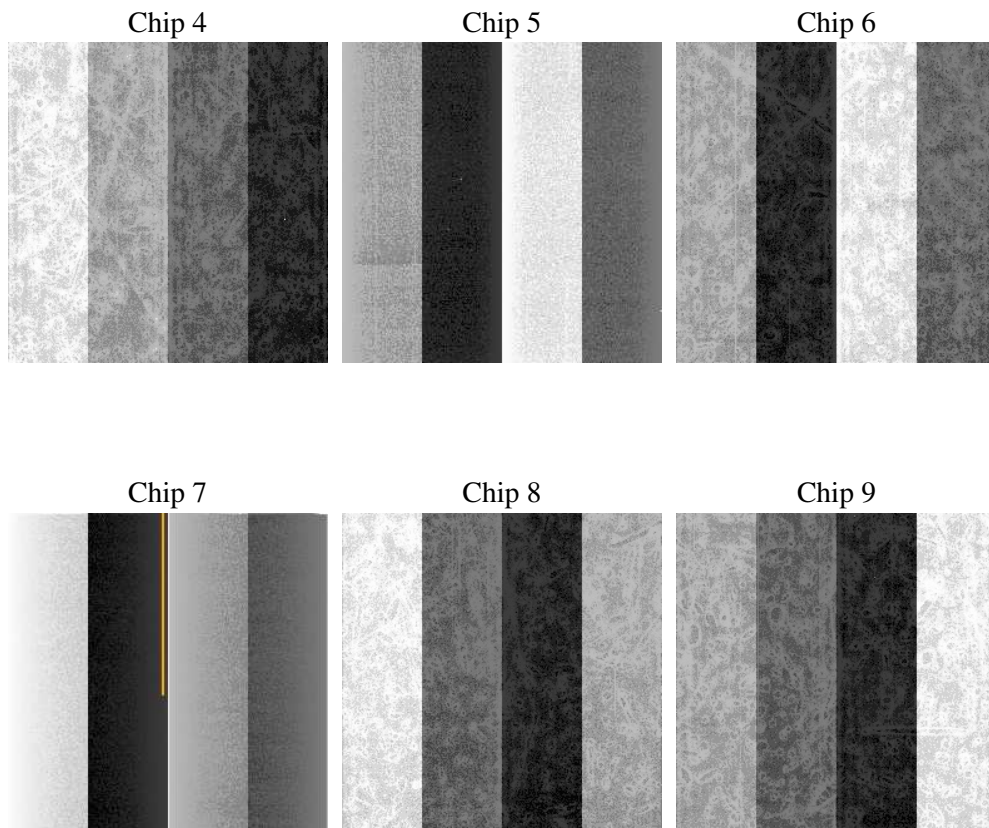
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-01T05:43:27
revision	2

sched_exp_time	0.0
ontime	6339.4137016535
ontime4	5931.0501639843
ontime5	6339.4137016535
ontime6	6141.7137542963
ontime7	6339.4137016535
ontime8	6326.4498003721
ontime9	6141.7138833702
l1events	1140782

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	175643	193507	185659	198713	204404	182856
rejected events	47605	49261	44536	46904	52904	47117
rejected %	27%	25%	23%	23%	25%	25%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	74117	17449	75821	25317	81109	74581
	42%	9%	40%	12%	39%	40%
grade 1 events	575	132	359	99	437	466
	0%	0%	0%	0%	0%	0%
grade 2 events	20494	65430	24661	45798	26986	23359
	11%	33%	13%	23%	13%	12%
grade 3 events	8665	4443	8930	10567	9826	8733
	4%	2%	4%	5%	4%	4%
grade 4 events	8449	4402	8982	10523	10049	8677
	4%	2%	4%	5%	4%	4%
grade 5 events	2628	5146	2863	5441	3682	3030
	1%	2%	1%	2%	1%	1%
grade 6 events	16313	52522	22729	59604	23530	20389
	9%	27%	12%	29%	11%	11%
grade 7 events	44402	43983	41314	41364	48785	43621
	25%	22%	22%	20%	23%	23%

## 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	344.8229570898499	Alternating exposures requested	N	N
Pointing Dec	0	-5.017177604623734	Primary exposure time	3.2	3.2
Pointing Roll	0.0	290.1348284864397			
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	244946253.781471	244946252.75647			
Observation start date	2005-10-06T00:37:34	2005-10-06T00:37:32			
Observation end time	244965624.232362	244965623.20737			
Observation end date	2005-10-06T06:00:24	2005-10-06T06:00:23			
Read mode	TIMED	TIMED			

## 2.3 Aspect



## **2.4 Star Slots**

## **2.5 FID Slots**



## A Summary

### A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2006.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.33814016

### A.2 Comments