

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 60672 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Aug 10 2006

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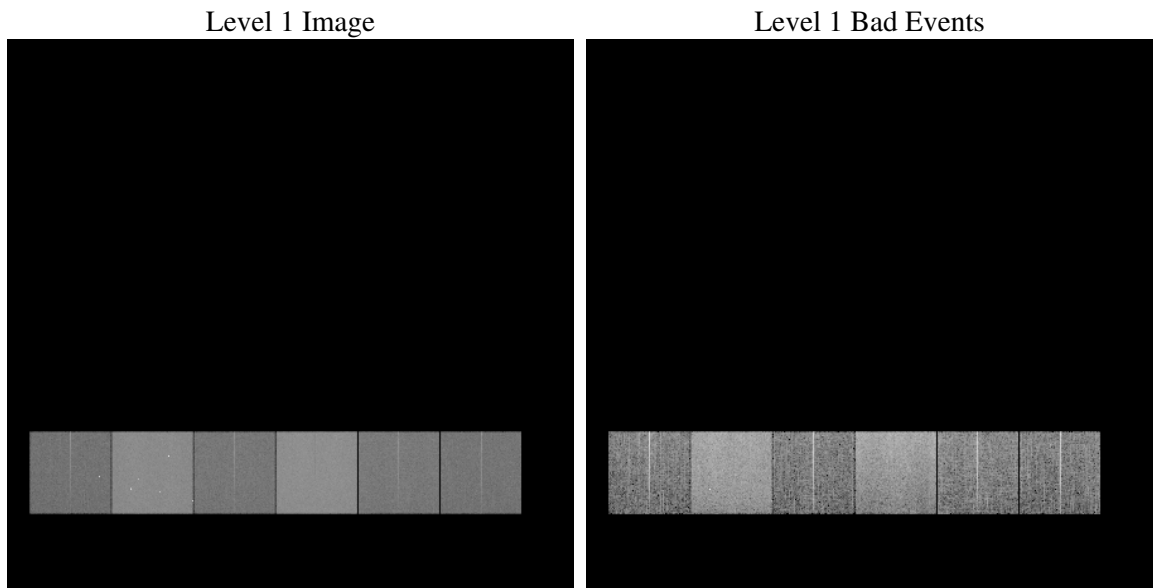
# 1 Front

seq_num	&#160
obs_id	60672
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	187.70568388104
dec_nom	12.361941740913
roll_nom	248.32984585387
revision	2
ontime	12203.846944362
livetime	12049.314486078
ontime4	5858.1435105801
ontime5	12203.887984365
ontime6	6341.0115509629
ontime7	12203.846944362
ontime8	6548.5165041685
ontime9	6133.4648900926
l2events	1777745

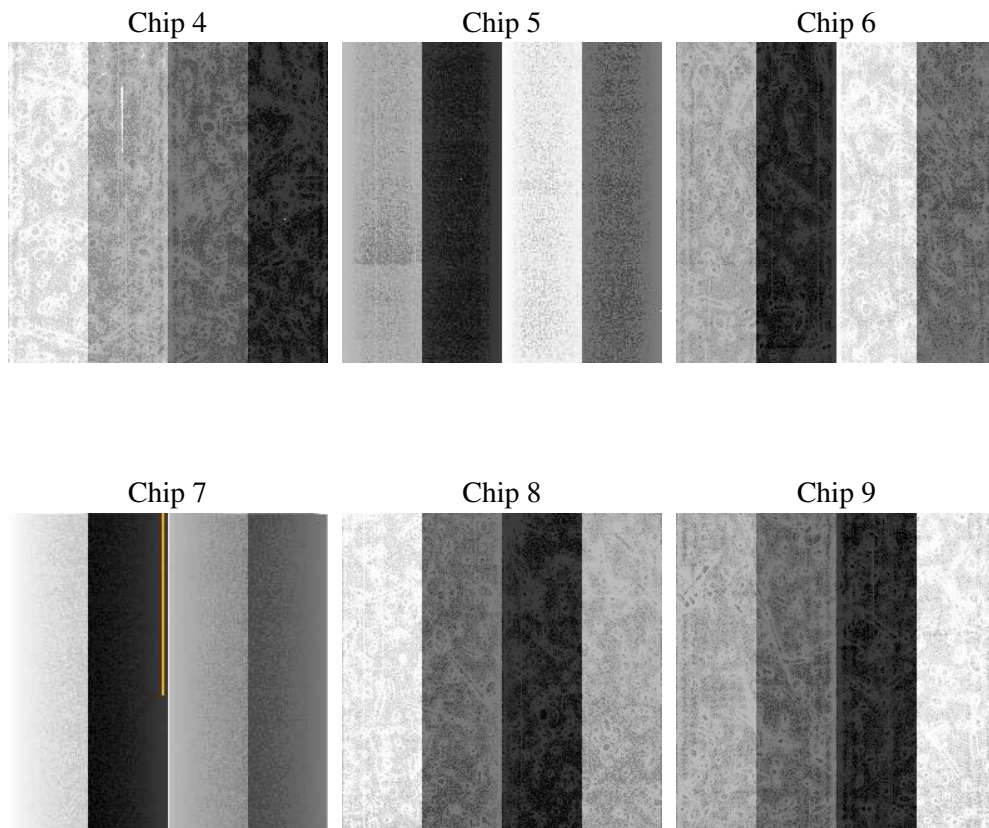
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.8.1
caldbver	3.2.2
date	2006-08-10T18:06:42
revision	2

sched_exp_time	0.0
ontime	12205.607589364
ontime4	5859.7810355723
ontime5	12205.607589364
ontime6	6342.6901159585
ontime7	12205.607589364
ontime8	6550.1129891872
ontime9	6135.266575098
l1events	2207302

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	260195	510175	294783	552489	312983	276677
rejected events	41355	88152	40318	78186	47642	41243
rejected %	15%	17%	13%	14%	15%	14%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	127416	52623	139206	86601	145685	130066
	48%	10%	47%	15%	46%	47%
grade 1 events	810	153	664	220	741	712
	0%	0%	0%	0%	0%	0%
grade 2 events	35182	199592	43938	142234	45885	40481
	13%	39%	14%	25%	14%	14%
grade 3 events	14413	13852	15728	35784	17235	15084
	5%	2%	5%	6%	5%	5%
grade 4 events	14251	13488	15671	34857	17306	14980
	5%	2%	5%	6%	5%	5%
grade 5 events	2540	9666	2955	10159	3547	2934
	0%	1%	1%	1%	1%	1%
grade 6 events	27693	142565	40059	174967	39230	34939
	10%	27%	13%	31%	12%	12%
grade 7 events	37890	78236	36562	67667	43354	37481
	14%	15%	12%	12%	13%	13%

## 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	187.7056838810436	Alternating exposures requested	N	N
Pointing Dec	0	12.36194174091252	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	248.3298458538668			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	173617703.960647	173617702.93593			
Observation start date	2003-07-03T11:08:24	2003-07-03T11:08:22			
Observation end time	173660421.862465	173660420.83775			
Observation end date	2003-07-03T23:00:22	2003-07-03T23:00:20			
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)	2006.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.2038469

### A.2 Comments