

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 59801 - L2 Version 002  
Chandra X-Ray Center

L2 Processing Date: Feb 22 2006

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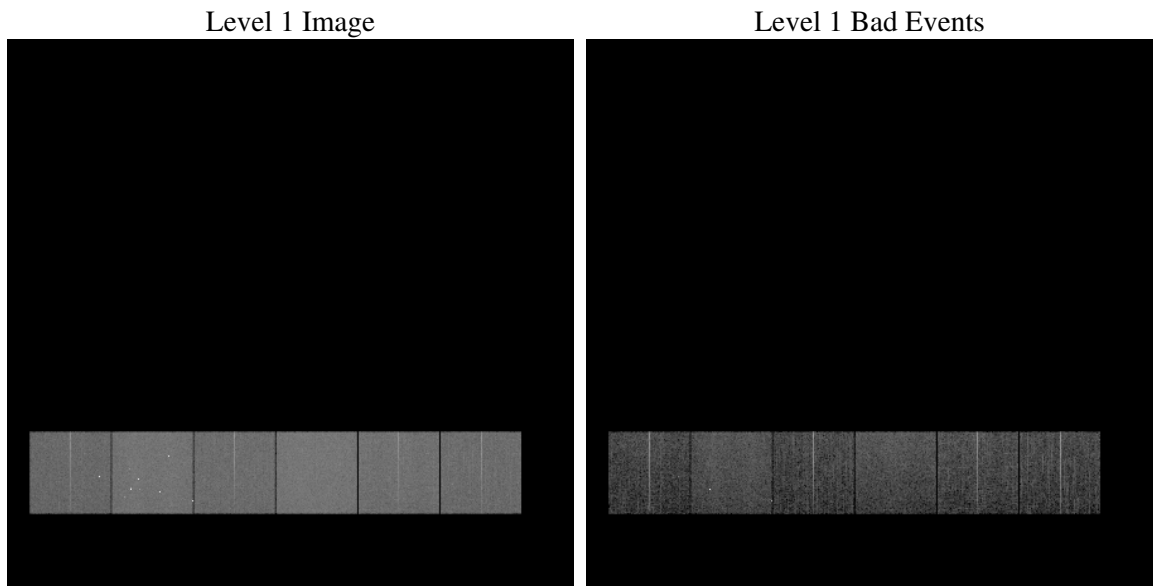
# 1 Front

seq_num	&#160
obs_id	59801
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	173.98125010551
dec_nom	18.021027378139
roll_nom	98.380750498121
revision	2
ontime	7800.4122365415
livetime	7701.6387199581
ontime4	5872.1508643925
ontime5	7800.4532765448
ontime6	6351.7760438919
ontime7	7800.4122365415
ontime8	6594.9306712747
ontime9	6254.4227387905
l2events	1019689

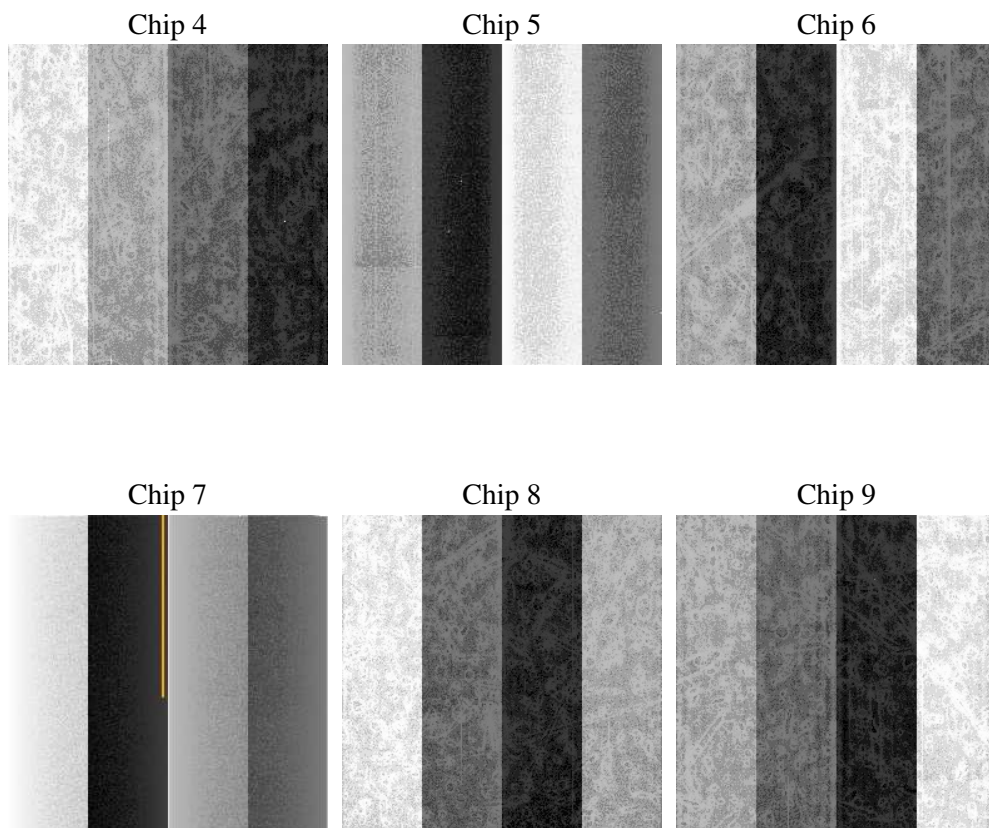
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-23T03:15:09
revision	2

sched_exp_time	0.0
ontime	7801.1106228232
ontime4	5872.7261306643
ontime5	7801.1106228232
ontime6	6352.392350167
ontime7	7801.1106228232
ontime8	6595.464897573
ontime9	6255.1621650755
l1events	1409672

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	195812	267861	219632	274263	238547	213557
rejected events	46184	63819	47773	57817	53275	49041
rejected %	23%	23%	21%	21%	22%	22%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	88231	24018	92447	34719	99613	90510
	45%	8%	42%	12%	41%	42%
grade 1 events	696	131	445	88	508	544
	0%	0%	0%	0%	0%	0%
grade 2 events	22467	93081	30241	67638	32533	27714
	11%	34%	13%	24%	13%	12%
grade 3 events	9844	5695	10562	14390	12375	10497
	5%	2%	4%	5%	5%	4%
grade 4 events	9817	5398	10331	14417	11995	10410
	5%	2%	4%	5%	5%	4%
grade 5 events	2653	6479	2954	6419	3707	3087
	1%	2%	1%	2%	1%	1%
grade 6 events	19269	75850	28278	85282	28756	25385
	9%	28%	12%	31%	12%	11%
grade 7 events	42835	57209	44374	51310	49060	45410
	21%	21%	20%	18%	20%	21%

## 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	173.9812501055091	Alternating exposures requested	N	N
Pointing Dec	0	18.02102737813947	Primary exposure time	3.2	3.2
Pointing Roll	0.0	98.38075049812136			
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	224800894.662009	224800893.63702			
Observation start date	2005-02-14T20:41:35	2005-02-14T20:41:33			
Observation end time	224814674.762632	224814673.73764			
Observation end date	2005-02-15T00:31:15	2005-02-15T00:31:13			
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)	2006.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.80041223

## A.2 Comments

The ACIS focal plane temperature exceeds the calibration limits for the entire observation.