

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 60688 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Aug 7 2006

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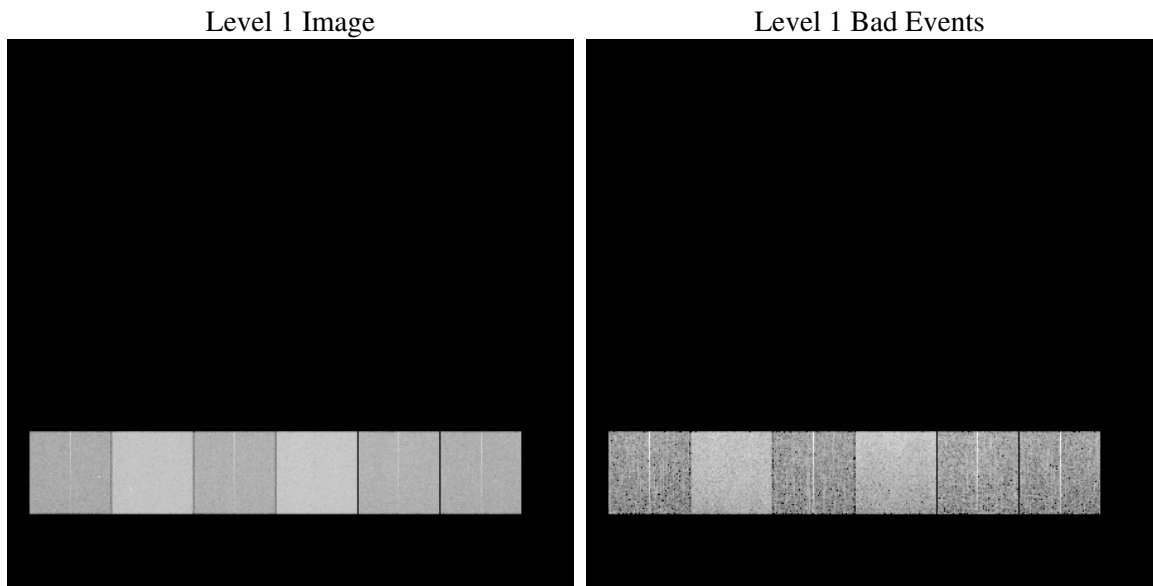
# 1 Front

seq_num	&#160
obs_id	60688
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	131.99596291561
dec_nom	-17.028317340675
roll_nom	229.37358935474
revision	2
ontime	8463.9999684691
livetime	8356.8237044595
ontime4	4066.0036181509
ontime5	8463.9999684691
ontime6	4441.9597836435
ontime7	8463.9999684691
ontime8	4537.357294172
ontime9	4323.2474210858
l2events	1242610

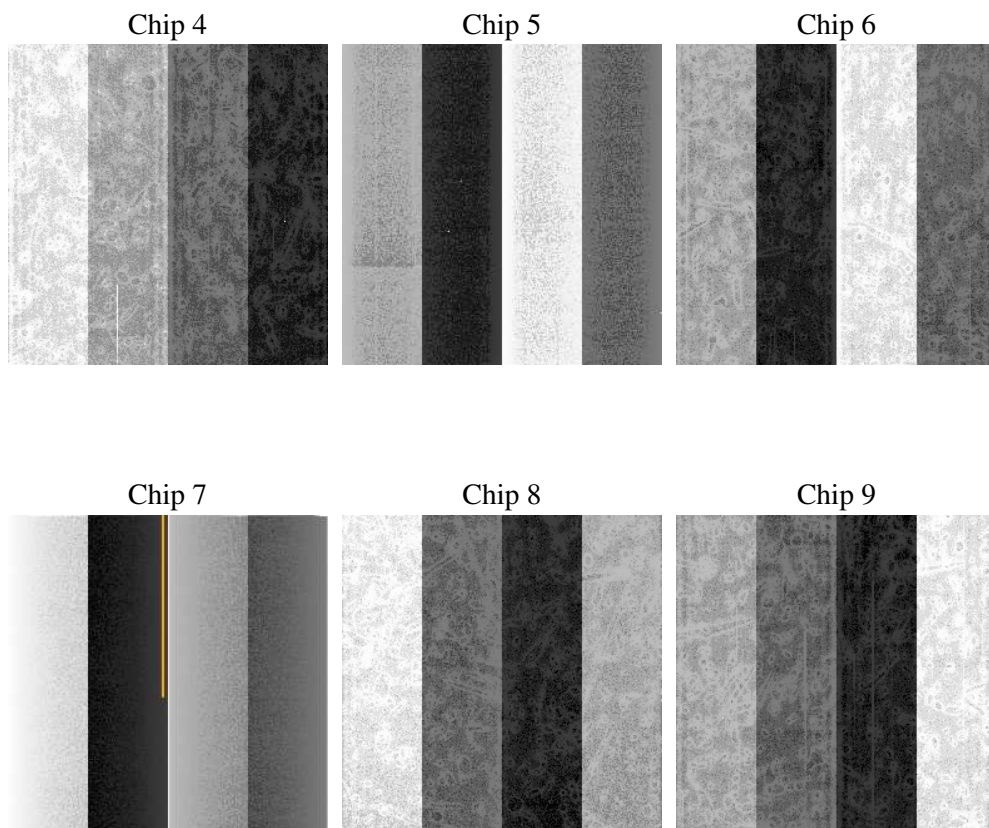
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldsver	3.2.2
date	2006-08-07T08:16:56
revision	2

sched_exp_time	0.0
ontime	8465.4870895743
ontime4	4067.4907392561
ontime5	8465.4870895743
ontime6	4443.4469047487
ontime7	8465.4870895743
ontime8	4537.4354798496
ontime9	4323.5308067501
l1events	1539573

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	179459	352164	207710	385398	218504	196338
rejected events	28215	61137	28553	56049	33534	28857
rejected %	15%	17%	13%	14%	15%	14%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	88228	33324	97804	57905	101574	92844
	49%	9%	47%	15%	46%	47%
grade 1 events	579	90	443	144	489	501
	0%	0%	0%	0%	0%	0%
grade 2 events	24017	139414	31042	100281	32133	28713
	13%	39%	14%	26%	14%	14%
grade 3 events	10067	9665	11036	23768	12030	10829
	5%	2%	5%	6%	5%	5%
grade 4 events	9794	9442	11112	23701	12050	10541
	5%	2%	5%	6%	5%	5%
grade 5 events	1834	6536	2038	7086	2444	2198
	1%	1%	0%	1%	1%	1%
grade 6 events	19138	99182	28163	123694	27183	24554
	10%	28%	13%	32%	12%	12%
grade 7 events	25802	54511	26072	48819	30601	26158
	14%	15%	12%	12%	14%	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	131.9959629156135	Alternating exposures requested	N	N
Pointing Dec	0	-17.02831734067536	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	229.3735893547436			
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	172289004.604174	172289003.57944			
Observation start date	2003-06-18T02:03:25	2003-06-18T02:03:23			
Observation end time	172312844.055189	172312843.03046			
Observation end date	2003-06-18T08:40:44	2003-06-18T08:40:43			
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)	2006.08.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.46399996

## A.2 Comments

The ACIS focal plane temperature was above calibration limits for the first 2 ksec of the observation.