

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 60865 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Sep 19 2006

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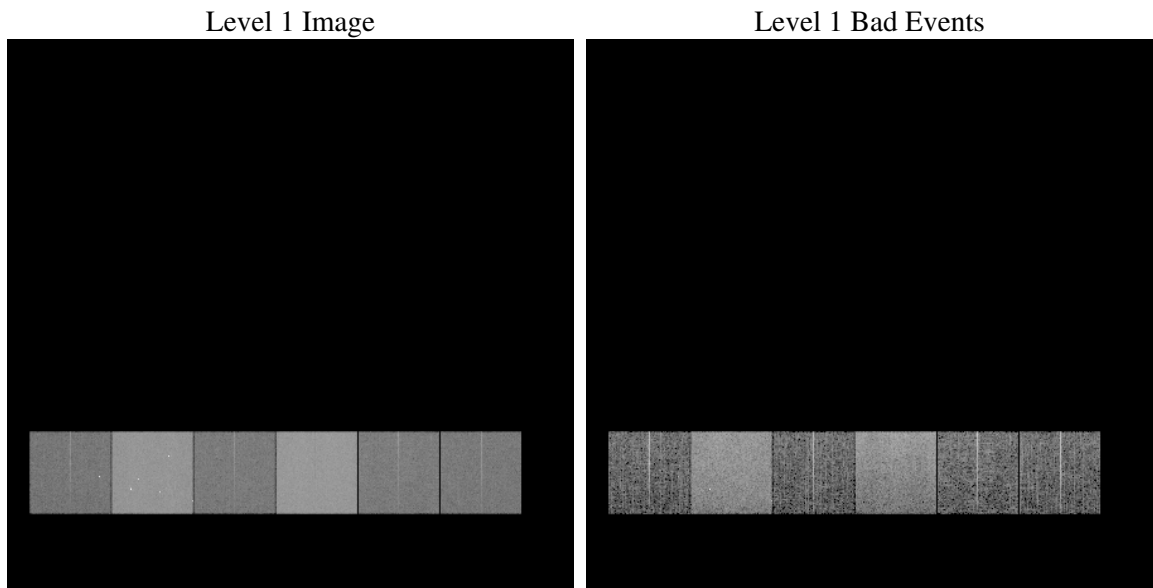
# 1 Front

seq_num	&#160
obs_id	60865
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	224.99234395167
dec_nom	4.0275515918255
roll_nom	72.632059241736
revision	2
ontime	8412.7999686599
livetime	8306.2720298767
ontime4	3402.2488304973
ontime5	8412.7999686599
ontime6	3642.0836871266
ontime7	8412.7999686599
ontime8	3697.1813667715
ontime9	3599.9508545995
l2events	1242902

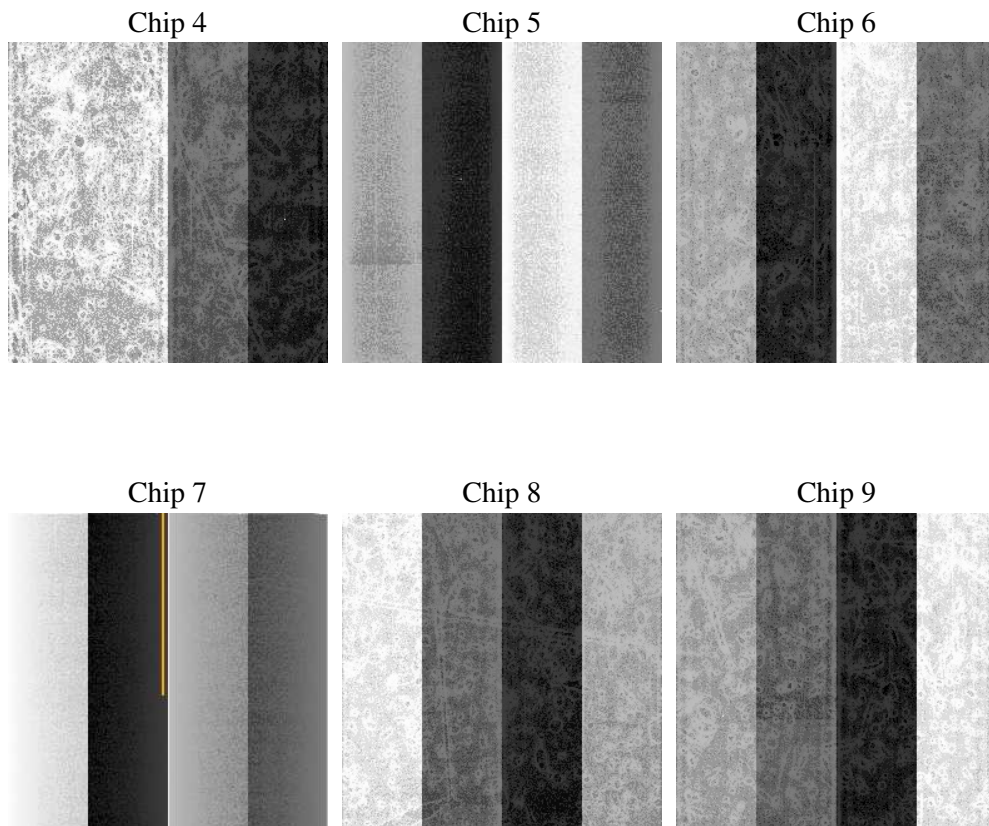
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-09-19T18:06:29
revision	2

sched_exp_time	0.0
ontime	8413.6366128922
ontime4	3403.0854747295
ontime5	8413.6366128922
ontime6	3642.9203313589
ontime7	8413.6366128922
ontime8	3698.0180110037
ontime9	3600.7874988317
l1events	1535319

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	166694	387608	187040	420116	194005	179856
rejected events	25940	65372	25784	58473	28669	26786
rejected %	15%	16%	13%	13%	14%	14%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	82042	38930	88033	65219	90771	84648
	49%	10%	47%	15%	46%	47%
grade 1 events	581	148	446	171	490	440
	0%	0%	0%	0%	0%	0%
grade 2 events	22527	154620	27823	108867	28493	26334
	13%	39%	14%	25%	14%	14%
grade 3 events	9188	10205	10069	26586	10741	9788
	5%	2%	5%	6%	5%	5%
grade 4 events	9223	10355	10073	26349	10660	9727
	5%	2%	5%	6%	5%	5%
grade 5 events	1655	7209	1852	7645	2151	2002
	0%	1%	0%	1%	1%	1%
grade 6 events	17774	108126	25258	134622	24671	22573
	10%	27%	13%	32%	12%	12%
grade 7 events	23704	58015	23486	50657	26028	24344
	14%	14%	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	224.9923439516696	Alternating exposures requested	N	N
Pointing Dec	0	4.027551591825533	Primary exposure time	3.2	3.2
Pointing Roll	0.0	72.63205924173634			
SIM focus pos (mm)	-0.684267	-1.038866356238299			
SIM defocus (mm)	0	0.4944702831659975			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	160409534.952634	160409533.92792			
Observation start date	2003-01-31T14:12:15	2003-01-31T14:12:13			
Observation end time	160432845.503613	160432844.4789			
Observation end date	2003-01-31T20:40:46	2003-01-31T20:40:44			
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)	2006.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.41279996

### A.2 Comments