

# V&V Reference Report

## L2 ASCDS Version : 7.6.11.10

Observation 60466 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Feb 4 2009

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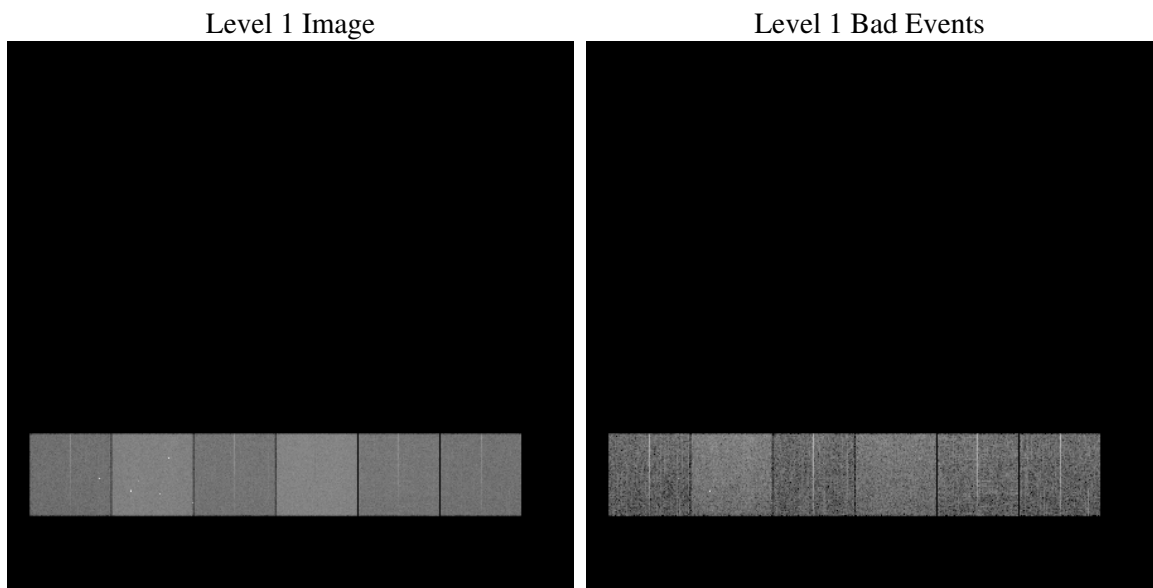
# 1 Front

seq_num	&#160
obs_id	60466
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	114.90354614796
dec_nom	74.010376183032
roll_nom	125.65496725492
revision	3
ontime	7507.1999720335
livetime	7412.1392856945
ontime4	4417.6869105697
ontime5	7507.1999720335
ontime6	4764.4321134388
ontime7	7507.1999720335
ontime8	4900.6353836656
ontime9	4631.4289317727
l2events	1110493

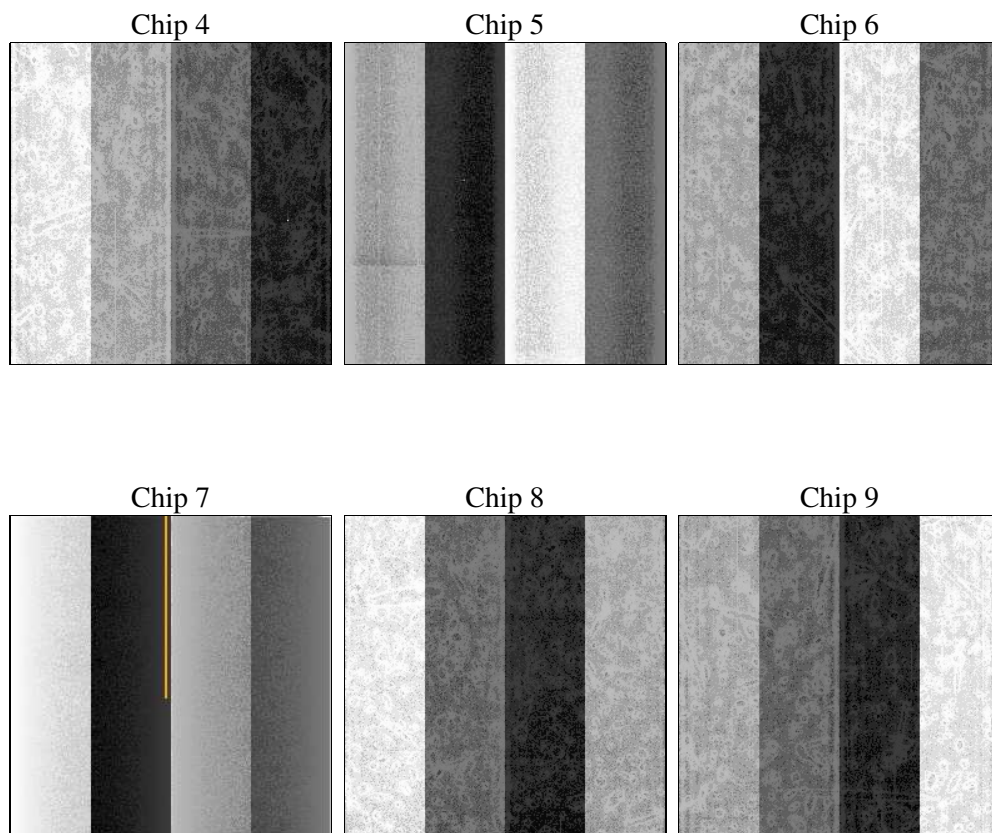
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.11.10
caldbver	3.5.1
date	2009-02-04T14:37:04
revision	3

sched_exp_time	10260
ontime	7507.1999720335
ontime4	4417.6869105697
ontime5	7507.1999720335
ontime6	4764.4321134388
ontime7	7507.1999720335
ontime8	4900.6353836656
ontime9	4631.4289317727
l1events	1417673

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	182493	297445	207237	318692	216727	195079
rejected events	34025	54291	35231	47427	39574	34843
rejected %	18%	18%	17%	14%	18%	17%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	90326	60034	97444	70787	101043	92213
	49%	20%	47%	22%	46%	47%
grade 1 events	551	635	416	179	461	442
	0%	0%	0%	0%	0%	0%
grade 2 events	24352	91109	31151	62428	31841	28566
	13%	30%	15%	19%	14%	14%
grade 3 events	10109	15604	10968	28471	12053	10659
	5%	5%	5%	8%	5%	5%
grade 4 events	10278	15132	11099	28230	11881	10548
	5%	5%	5%	8%	5%	5%
grade 5 events	1853	7462	2080	6908	2453	2145
	1%	2%	1%	2%	1%	1%
grade 6 events	19239	70737	28137	92328	26949	24433
	10%	23%	13%	28%	12%	12%
grade 7 events	25785	36732	25942	29361	30046	26073
	14%	12%	12%	9%	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	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
Pointing RA	114.9035461479555	114.9035461479555	Subarray requested	NONE	NONE
Pointing Dec	74.01037618303229	74.01037618303229	Alternating exposures requested	N	N
Pointing Roll	125.6549672549166	125.6549672549166	Primary exposure time	3.2	3.2
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119			
SIM defocus (mm)	0.8505140384245534	0.8505140384245534			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
SIM translation stage offset (mm)	-0.01005726120527584	-0.01005726120527584			
Observation start time	186647961.669878	186647961.669878			
Observation start date	2003-12-01T06:43:00	2003-12-01T06:39:21			
Observation end time	186657298.840673	186657298.840673			
Observation end date	2003-12-01T09:34:00	2003-12-01T09:14:58			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2009.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.50719997

## A.2 Comments

This obsid was reprocessed to correct minor errors in parameters used in processing. Some of these parameters cannot be determined automatically for this observation and were derived from spacecraft telemetry.