

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 61649 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Nov 29 2006

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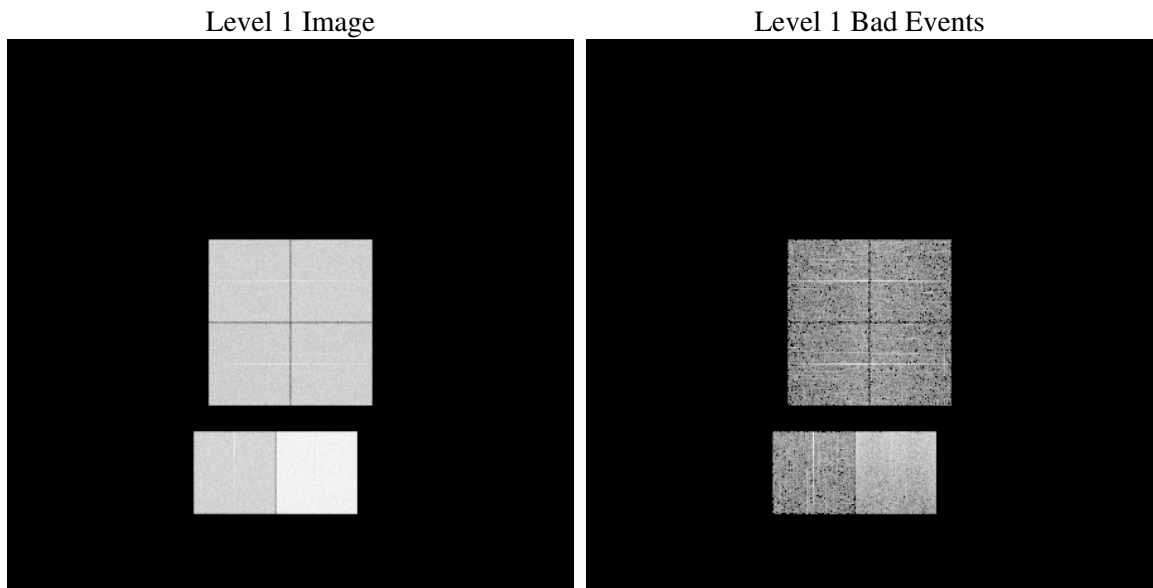
# 1 Front

seq_num	&#160
obs_id	61649
title	ACIS-012367 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	&#160
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	209.98895490792
dec_nom	-0.02645890358232
roll_nom	214.62025292529
revision	2
ontime	6927.0840402693
livetime	6839.3691311621
ontime0	2819.8896265328
ontime1	2888.8156884462
ontime2	2693.5711368769
ontime3	2787.3974057436
ontime6	3011.233796984
ontime7	6927.0840402693
l2events	1330793

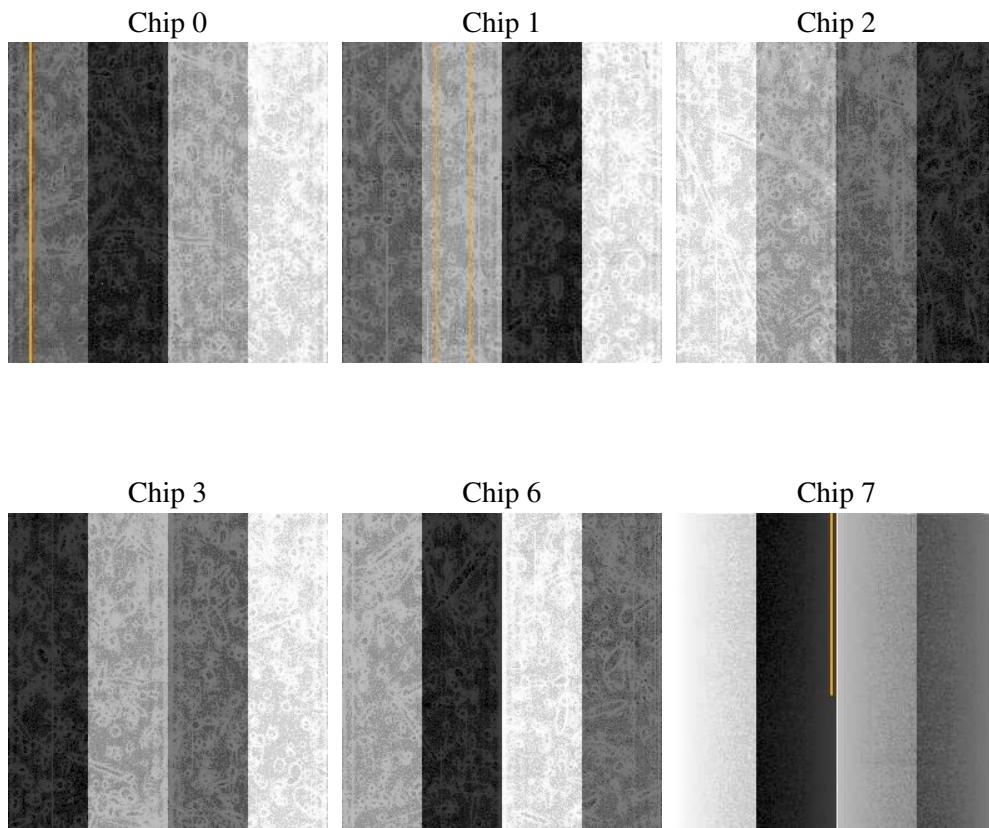
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.9
caldbver	3.2.4
date	2006-11-29T23:47:03
revision	2

sched_exp_time	0.0
ontime	6942.2372437865
ontime0	2826.1840716749
ontime1	2897.4868917316
ontime2	2699.7835020274
ontime3	2793.7739308923
ontime6	3017.4051221311
ontime7	6942.2372437865
l1events	1549329

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	205231	210794	198382	205229	228304	501389
rejected events	21362	21777	21088	22071	23763	52185
rejected %	10%	10%	10%	10%	10%	10%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	101538	104314	98973	102884	112005	84512
	49%	49%	49%	50%	49%	16%
grade 1 events	522	561	507	520	551	193
	0%	0%	0%	0%	0%	0%
grade 2 events	32617	33560	31324	32286	35613	135187
	15%	15%	15%	15%	15%	26%
grade 3 events	11716	12241	11271	11496	12356	34501
	5%	5%	5%	5%	5%	6%
grade 4 events	11595	11818	11195	11441	12540	33861
	5%	5%	5%	5%	5%	6%
grade 5 events	1550	1656	1392	1625	1844	7357
	0%	0%	0%	0%	0%	1%
grade 6 events	26827	27730	24962	25431	32449	162210
	13%	13%	12%	12%	14%	32%
grade 7 events	18866	18914	18758	19546	20946	43568
	9%	8%	9%	9%	9%	8%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	209.9889549079202	Alternating exposures requested	N	N
Pointing Dec	0	-0.02645890358231961	Primary exposure time	3.2	3.2
Pointing Roll	0.0	214.6202529252914			
SIM focus pos (mm)	-0.782348	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	105343084.36836	105343083.59989			
Observation start date	2001-05-04T05:58:04	2001-05-04T05:58:03			
Observation end time	105366198.119257	105366197.35079			
Observation end date	2001-05-04T12:23:18	2001-05-04T12:23:17			
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)	2006.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.92708404

### A.2 Comments