

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 61825 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Jun 20 2007

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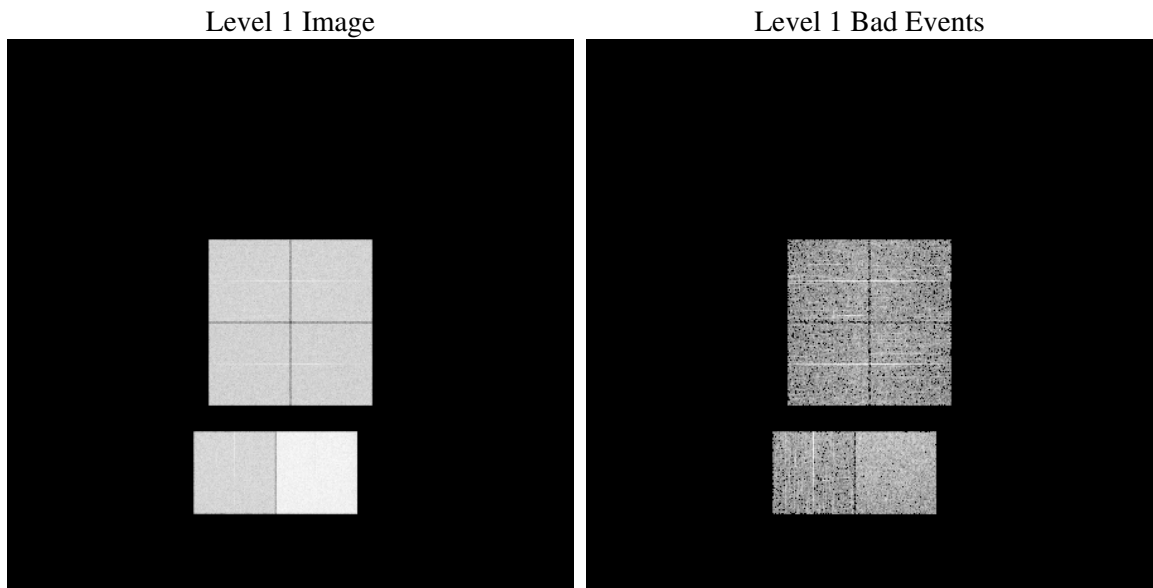
# 1 Front

seq_num	&#160
obs_id	61825
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	271.92667680467
dec_nom	71.69907573155
roll_nom	345.84403980027
revision	2
ontime	5571.127805993
livetime	5500.5828311831
ontime0	2466.2943454981
ontime1	2504.9715174884
ontime2	2336.7351646274
ontime3	2356.0171547979
ontime6	2557.1662264615
ontime7	5571.127805993
l2events	1257241

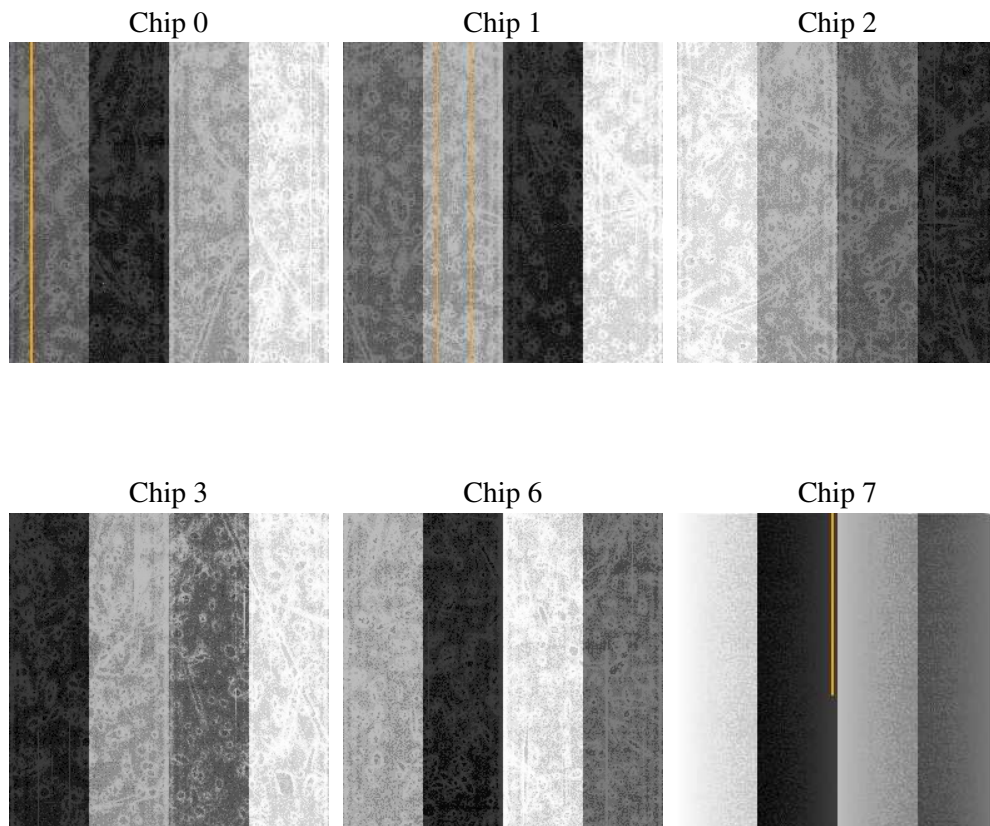
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-06-20T16:32:46
revision	2

sched_exp_time	0.0
ontime	5571.127805993
ontime0	2466.2943454981
ontime1	2504.9715174884
ontime2	2336.7351646274
ontime3	2356.0171547979
ontime6	2557.1662264615
ontime7	5571.127805993
l1events	1429171

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	196603	198886	189276	190280	213420	440706
rejected events	18506	17544	17626	17919	19227	26927
rejected %	9%	8%	9%	9%	9%	6%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	98251	100305	95865	96457	106525	106420
	49%	50%	50%	50%	49%	24%
grade 1 events	483	496	500	506	492	269
	0%	0%	0%	0%	0%	0%
grade 2 events	31588	31891	29951	30192	33620	92429
	16%	16%	15%	15%	15%	20%
grade 3 events	11352	11523	10797	10849	11931	42624
	5%	5%	5%	5%	5%	9%
grade 4 events	11121	11435	10814	10897	11825	42087
	5%	5%	5%	5%	5%	9%
grade 5 events	1356	1437	1319	1416	1564	5983
	0%	0%	0%	0%	0%	1%
grade 6 events	25785	26188	24223	23966	30292	130219
	13%	13%	12%	12%	14%	29%
grade 7 events	16667	15611	15807	15997	17171	20675
	8%	7%	8%	8%	8%	4%

## 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	271.9266768046748	Alternating exposures requested	N	N
Pointing Dec	0	71.69907573155012	Primary exposure time	3.2	3.2
Pointing Roll	0.0	345.8440398002674			
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	92742935.182568	92742934.414113			
Observation start date	2000-12-09T09:55:35	2000-12-09T09:55:34			
Observation end time	92791124.534407	92791123.765955			
Observation end date	2000-12-09T23:18:45	2000-12-09T23:18:43			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.5711278

### A.2 Comments