

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 60915 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Jan 19 2007

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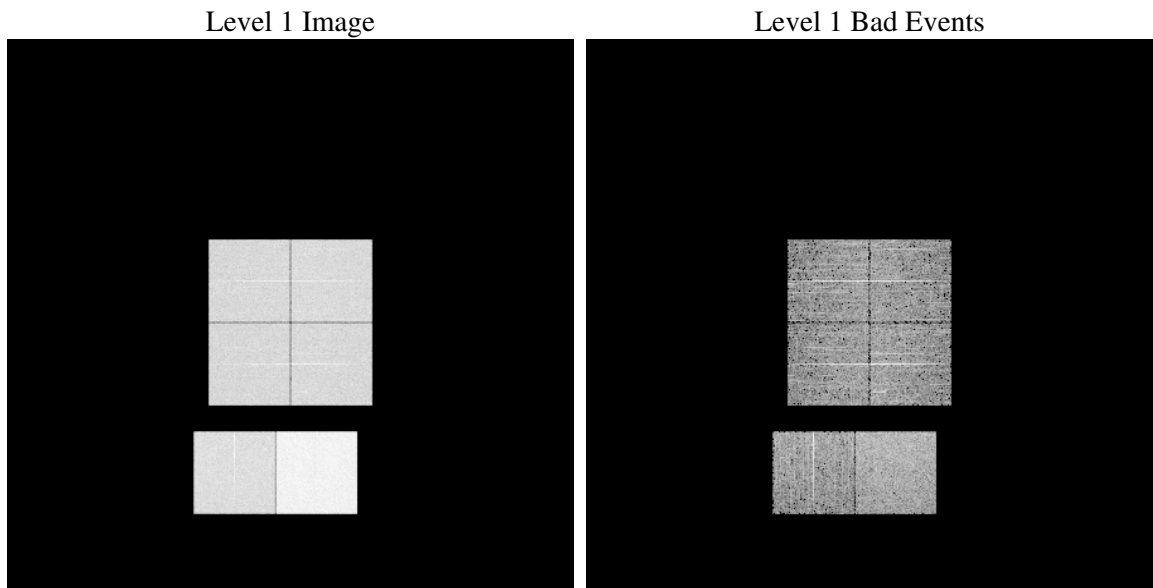
# 1 Front

seq_num	&#160
obs_id	60915
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	141.31287926391
dec_nom	-72.871656069885
roll_nom	49.484453438999
revision	2
ontime	7797.9201773107
livetime	7699.1782166818
ontime0	4031.9502275884
ontime1	4184.3195193708
ontime2	3902.392680645
ontime3	3934.6385422051
ontime6	4375.6193328202
ontime7	7797.9201773107
l2events	1203335

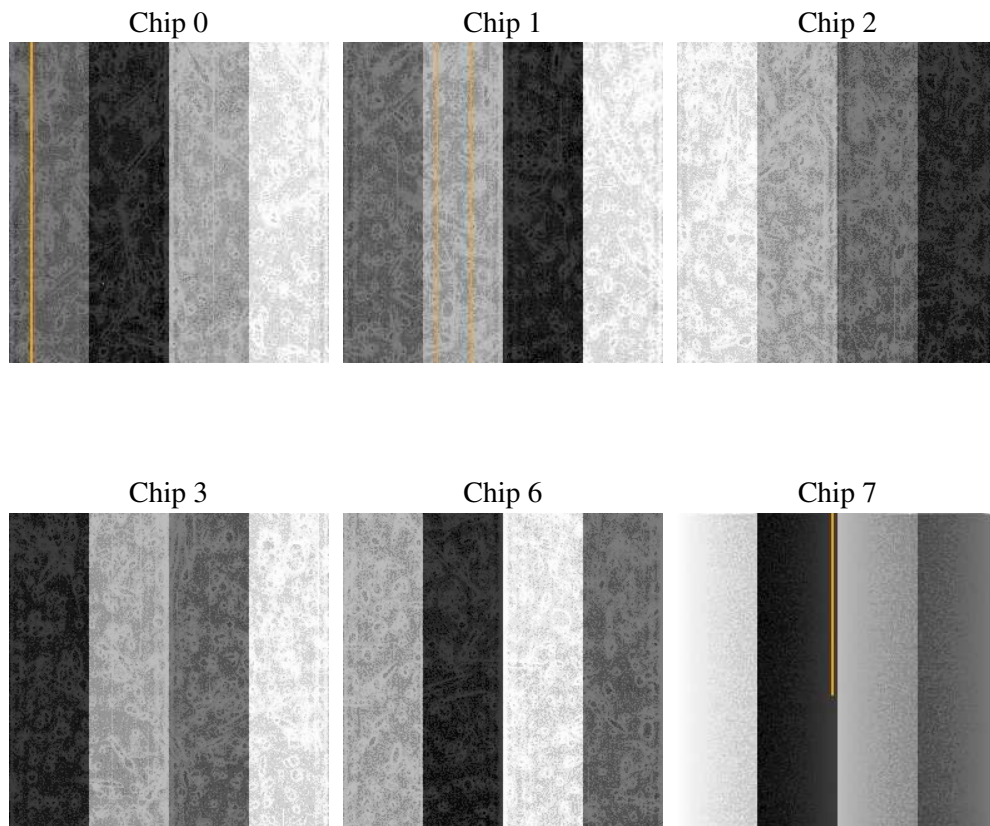
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.3.0
date	2007-01-19T19:06:56
revision	2

sched_exp_time	0.0
ontime	7797.9201773107
ontime0	4031.9502275884
ontime1	4184.3195193708
ontime2	3902.392680645
ontime3	3934.6385422051
ontime6	4375.6193328202
ontime7	7797.9201773107
l1events	1430526

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	200711	208596	197107	200882	229194	394036
rejected events	26092	26135	25823	27960	28659	38788
rejected %	12%	12%	13%	13%	12%	9%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	96673	100294	96563	97474	109393	89497
	48%	48%	48%	48%	47%	22%
grade 1 events	487	453	529	539	497	261
	0%	0%	0%	0%	0%	0%
grade 2 events	30362	32614	28787	29473	34650	78711
	15%	15%	14%	14%	15%	19%
grade 3 events	11117	11589	10988	11349	12359	35846
	5%	5%	5%	5%	5%	9%
grade 4 events	11165	11532	11250	11314	12492	35910
	5%	5%	5%	5%	5%	9%
grade 5 events	1761	1919	1775	1825	2133	7613
	0%	0%	0%	0%	0%	1%
grade 6 events	25423	26567	23850	23451	31781	115404
	12%	12%	12%	11%	13%	29%
grade 7 events	23723	23628	23365	25457	25889	30794
	11%	11%	11%	12%	11%	7%

## 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	141.3128792639093	Alternating exposures requested	N	N
Pointing Dec	0	-72.87165606988469	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	49.4844534389993			
SIM focus pos (mm)	-0.782348	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-233.592463	250.4635187648994			
SIM translation stage offset (mm)	0	-0.007540371344731511			
Observation start time	156715330.248072	156715329.22337			
Observation start date	2002-12-19T20:02:10	2002-12-19T20:02:09			
Observation end time	156749710.799504	156749709.77481			
Observation end date	2002-12-20T05:35:11	2002-12-20T05:35:09			
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)	2007.01.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.79792017

### A.2 Comments