

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 59698 - L2 Version 002  
Chandra X-Ray Center

L2 Processing Date: Feb 28 2006

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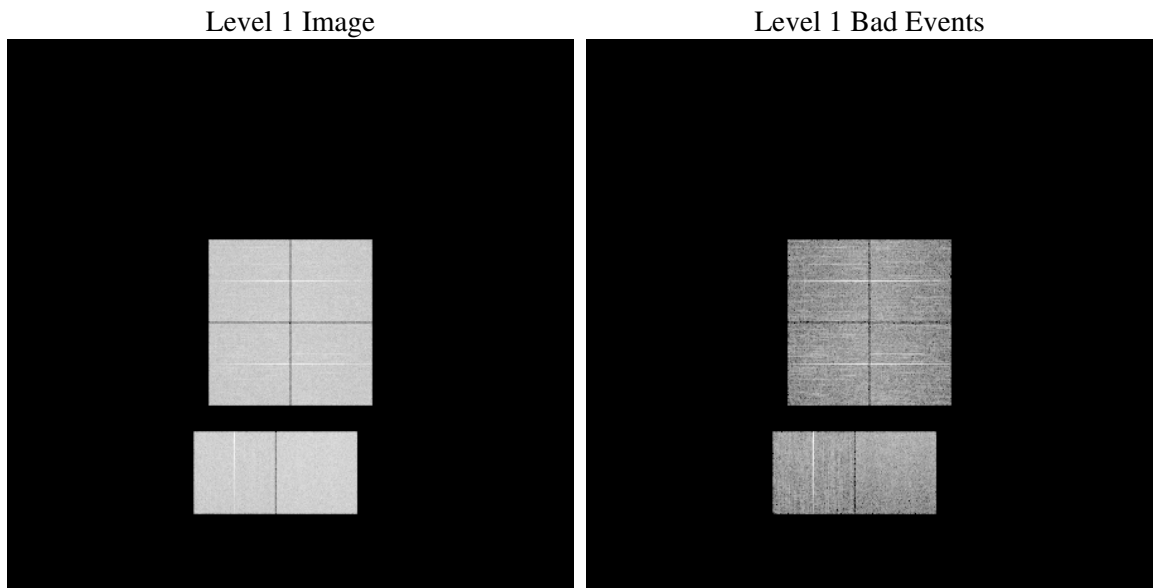
# 1 Front

seq_num	&#160
obs_id	59698
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	178.51634751638
dec_nom	-11.023354481247
roll_nom	269.22576322975
revision	2
ontime	8601.5999679565
livetime	8492.6813299006
ontime0	7707.0897843242
ontime1	7966.3682385981
ontime2	7412.1603987813
ontime3	7651.9927220643
ontime6	8067.3071703613
ontime7	8601.5999679565
l2events	1140481

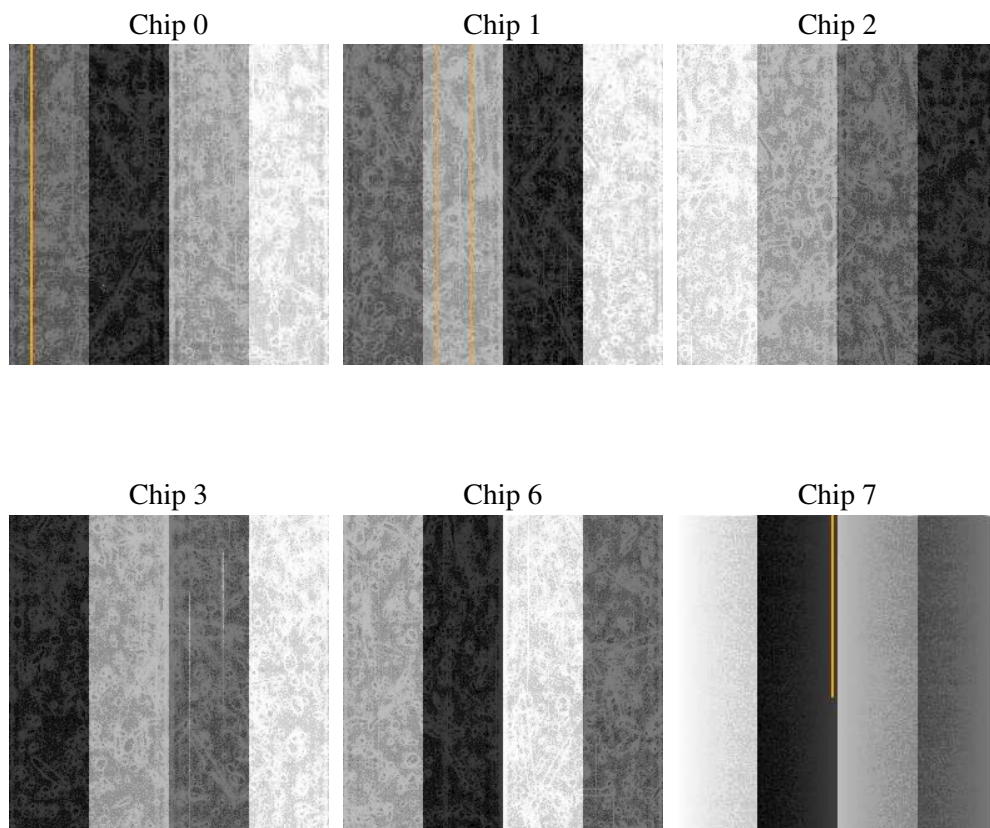
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-03-01T02:48:10
revision	2

sched_exp_time	0.0
ontime	8604.8791508973
ontime0	7710.3689672649
ontime1	7969.6474215388
ontime2	7415.439581722
ontime3	7655.271905005
ontime6	8070.117690891
ontime7	8604.8791508973
l1events	1549141

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	243264	252596	241220	248349	269892	293820
rejected events	54093	56199	57394	57199	61599	63905
rejected %	22%	22%	23%	23%	22%	21%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	104191	107026	103020	106421	112619	38968
	42%	42%	42%	42%	41%	13%
grade 1 events	612	561	666	692	588	123
	0%	0%	0%	0%	0%	0%
grade 2 events	32896	34967	31109	32868	36127	69206
	13%	13%	12%	13%	13%	23%
grade 3 events	12208	12748	11976	12681	13167	16427
	5%	5%	4%	5%	4%	5%
grade 4 events	12214	12554	12208	12539	13103	16274
	5%	4%	5%	5%	4%	5%
grade 5 events	3424	3590	3177	3544	3862	7677
	1%	1%	1%	1%	1%	2%
grade 6 events	27738	29197	25605	26730	33366	89136
	11%	11%	10%	10%	12%	30%
grade 7 events	49981	51953	53459	52874	57060	56009
	20%	20%	22%	21%	21%	19%

## 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	178.5163475163843	Alternating exposures requested	N	N
Pointing Dec	0	-11.02335448124705	Primary exposure time	3.2	3.2
Pointing Roll	0.0	269.2257632297494			
SIM focus pos (mm)	-0.782348	-1.428180813131781			
SIM defocus (mm)	0	0.1051558262725154			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	230047507.04997	230047506.02497			
Observation start date	2005-04-16T14:05:07	2005-04-16T14:05:06			
Observation end time	230092766.952027	230092765.92702			
Observation end date	2005-04-17T02:39:27	2005-04-17T02:39:25			
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)	2006.03.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.60159996

### A.2 Comments