

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 60154 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Apr 29 2006

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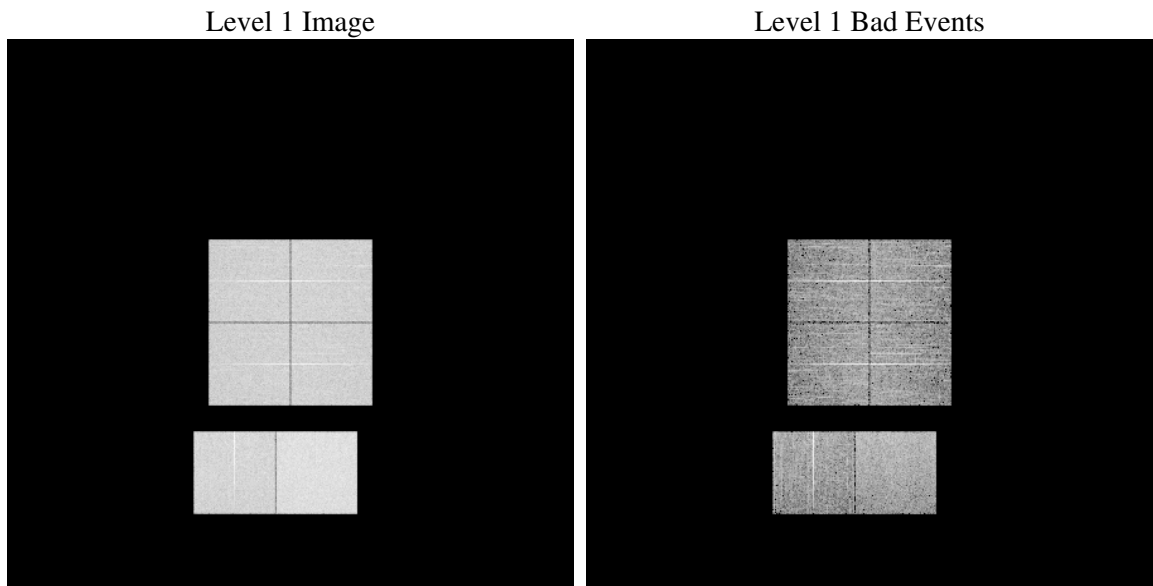
# 1 Front

seq_num	&#160
obs_id	60154
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	289.99127685774
dec_nom	-24.372536676866
roll_nom	73.291162751069
revision	2
ontime	6149.7077493072
livetime	6071.836446876
ontime0	4548.7107812464
ontime1	4668.6677409112
ontime2	4428.8768804073
ontime3	4525.9421179295
ontime6	4898.8587791324
ontime7	6149.7077493072
l2events	860664

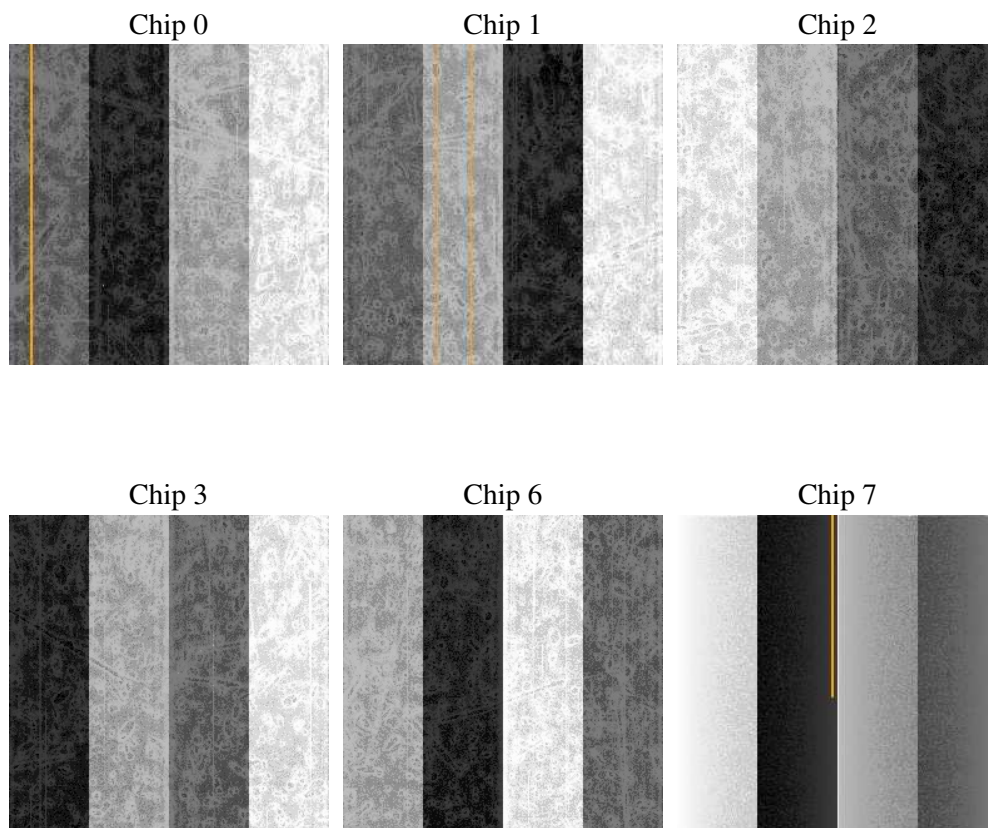
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.2
caldsver	3.2.1
date	2006-04-29T21:30:15
revision	2

sched_exp_time	0.0
ontime	6151.4214425683
ontime0	4550.3834345043
ontime1	4670.2993541658
ontime2	4430.4674536586
ontime3	4527.6968511939
ontime6	4900.4083124101
ontime7	6151.4214425683
l1events	1120161

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	169826	176022	167196	172174	191900	243043
rejected events	32749	34893	32698	34236	36869	45410
rejected %	19%	19%	19%	19%	19%	18%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	75074	76870	75133	77310	83934	34590
	44%	43%	44%	44%	43%	14%
grade 1 events	469	395	507	511	441	88
	0%	0%	0%	0%	0%	0%
grade 2 events	24188	25016	22653	23596	26742	59330
	14%	14%	13%	13%	13%	24%
grade 3 events	8956	9004	8814	8975	9563	14461
	5%	5%	5%	5%	4%	5%
grade 4 events	8885	9089	8862	8915	9731	13950
	5%	5%	5%	5%	5%	5%
grade 5 events	2095	2185	1987	2242	2462	5421
	1%	1%	1%	1%	1%	2%
grade 6 events	20064	21242	19036	19236	25061	75411
	11%	12%	11%	11%	13%	31%
grade 7 events	30095	32221	30204	31389	33966	39792
	17%	18%	18%	18%	17%	16%

## 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	289.9912768577356	Alternating exposures requested	N	N
Pointing Dec	0	-24.37253667686631	Primary exposure time	3.2	3.2
Pointing Roll	0.0	73.29116275106944			
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	205377947.391994	205377946.36699			
Observation start date	2004-07-05T01:25:47	2004-07-05T01:25:46			
Observation end time	205396659.792823	205396658.76782			
Observation end date	2004-07-05T06:37:40	2004-07-05T06:37:38			
Read mode	TIMED	TIMED			

## 2.3 Aspect



## 2.4 Star Slots

## 2.5 FID Slots



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.14970774

### A.2 Comments