

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 61139 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Sep 21 2006

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	8
2.5	FID Slots	8
A	Summary	9
A.1	Status	9
A.2	Comments	9

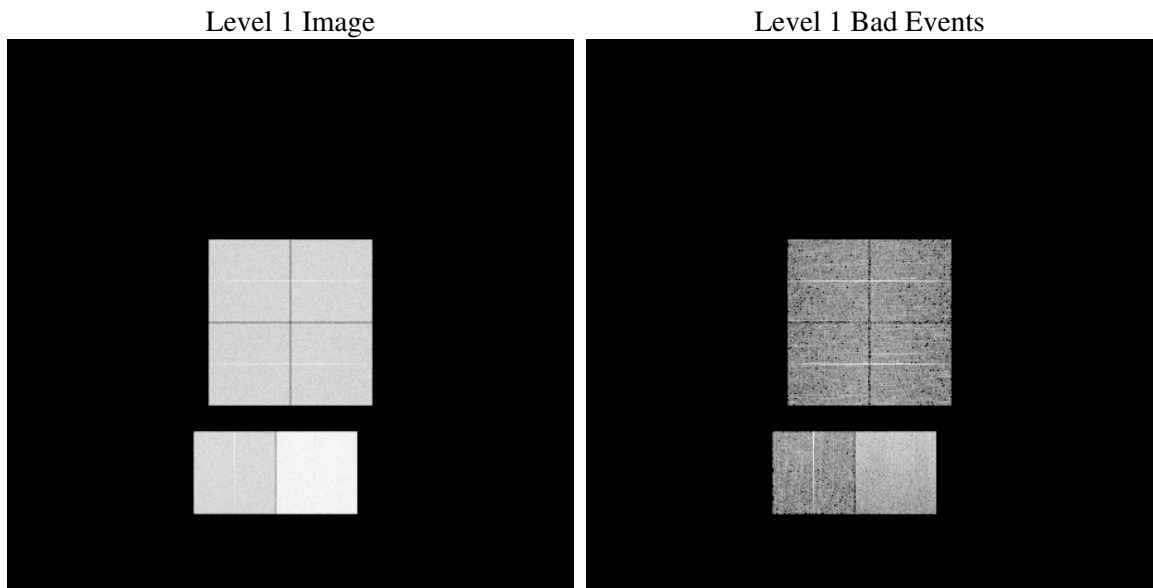
1 Front

seq_num	
obs_id	61139
title	ACIS-012367 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	290.00649926331
dec_nom	-29.471944820292
roll_nom	45.74208147514
revision	2
ontime	8444.7999685407
livetime	8337.8668264909
ontime0	3758.3497605622
ontime1	3845.8565752506
ontime2	3635.1907088161
ontime3	3658.5199281871
ontime6	4027.3530314565
ontime7	8444.7999685407
l2events	1293681

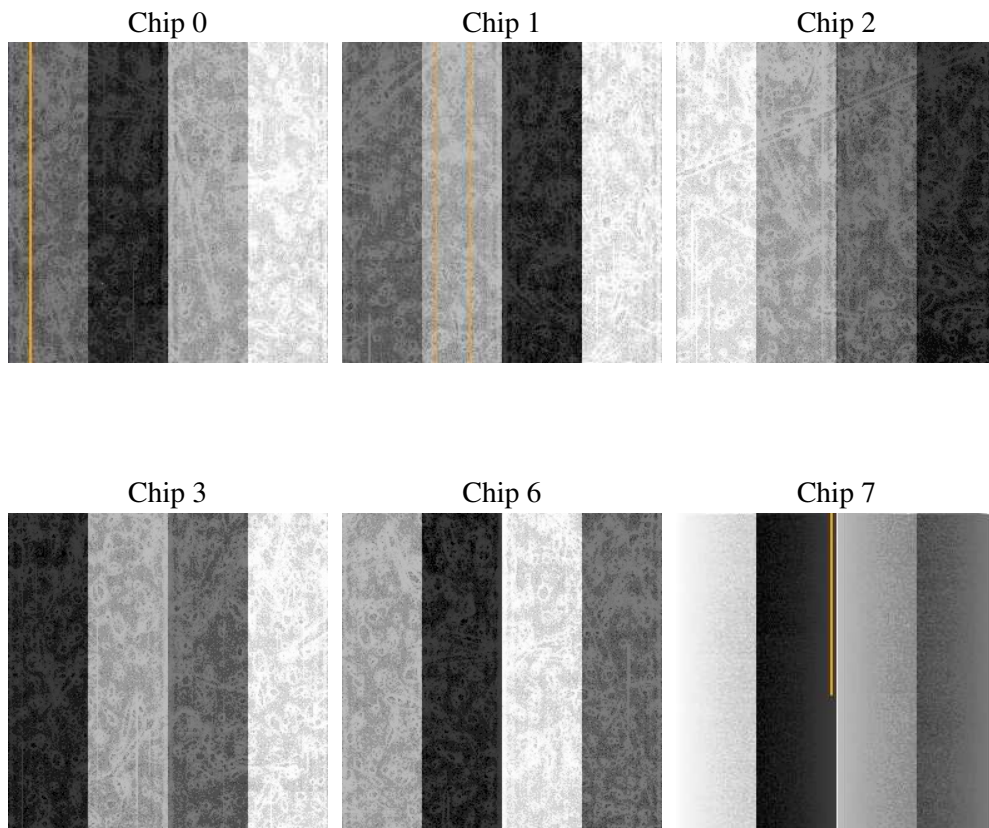
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-21T13:23:29
revision	2

sched_exp_time	0.0
ontime	8459.0127567947
ontime0	3769.3215785623
ontime1	3853.5873831511
ontime2	3642.9215665162
ontime3	3665.6091357172
ontime6	4035.0838891566
ontime7	8459.0127567947
l1events	1555689

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	209871	215124	206237	209513	235144	479800
rejected events	27242	27422	28187	29345	29812	63788
rejected %	12%	12%	13%	14%	12%	13%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	100640	102998	98624	100687	112035	74209
	47%	47%	47%	48%	47%	15%
grade 1 events	546	559	523	537	579	175
	0%	0%	0%	0%	0%	0%
grade 2 events	32422	33437	31578	31624	35544	127044
	15%	15%	15%	15%	15%	26%
grade 3 events	11659	12144	11123	11401	12490	30575
	5%	5%	5%	5%	5%	6%
grade 4 events	11520	11985	11350	11485	12779	29901
	5%	5%	5%	5%	5%	6%
grade 5 events	1865	1970	1782	1897	2181	8258
	0%	0%	0%	0%	0%	1%
grade 6 events	26823	27451	25703	25315	32819	154935
	12%	12%	12%	12%	13%	32%
grade 7 events	24396	24580	25554	26567	26717	54703
	11%	11%	12%	12%	11%	11%

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	290.006499263309	Alternating exposures requested	N	N
Pointing Dec	0	-29.47194482029217	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	45.74208147514			
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	142129850.244	142129849.21967			
Observation start date	2002-07-04T00:30:50	2002-07-04T00:30:49			
Observation end time	142151900.045	142151899.02058			
Observation end date	2002-07-04T06:38:20	2002-07-04T06:38:19			
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)	2006.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.44479996

A.2 Comments

The ACIS focal plane temperature was above calibration limits for the first 2 ksec of the observation.