

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 60671 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Aug 10 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

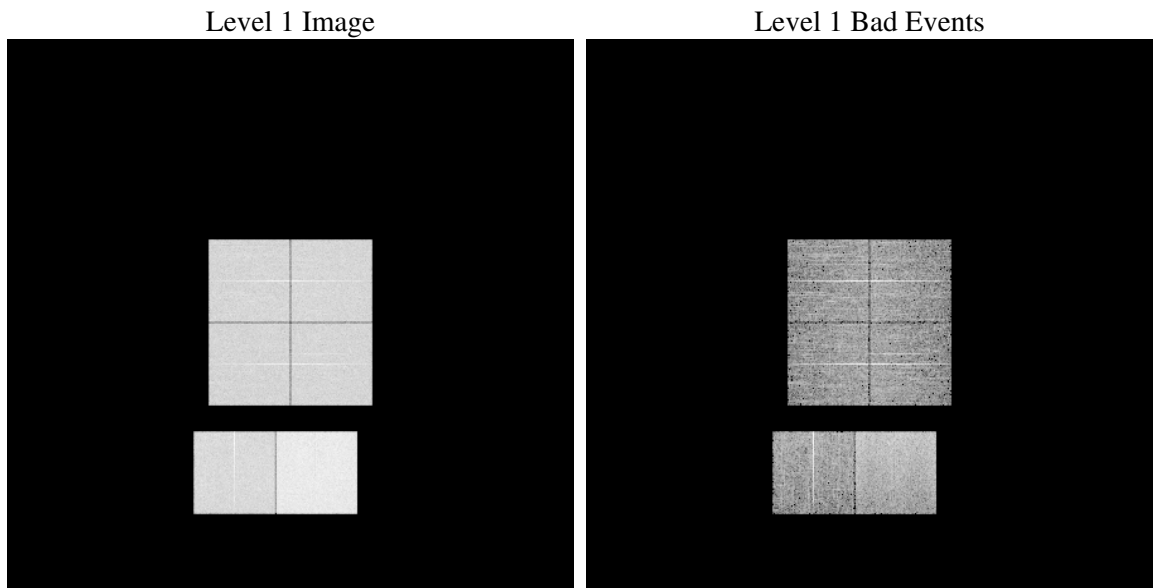
1 Front

seq_num	
obs_id	60671
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	232.40348721348
dec_nom	-4.3283786192117
roll_nom	244.10135190512
revision	2
ontime	8457.0766177475
livetime	8349.9880213734
ontime0	5148.0832761526
ontime1	5264.8007300794
ontime2	4976.7937942147
ontime3	5086.4234776199
ontime6	5498.5919996798
ontime7	8457.0766177475
l2events	1251771

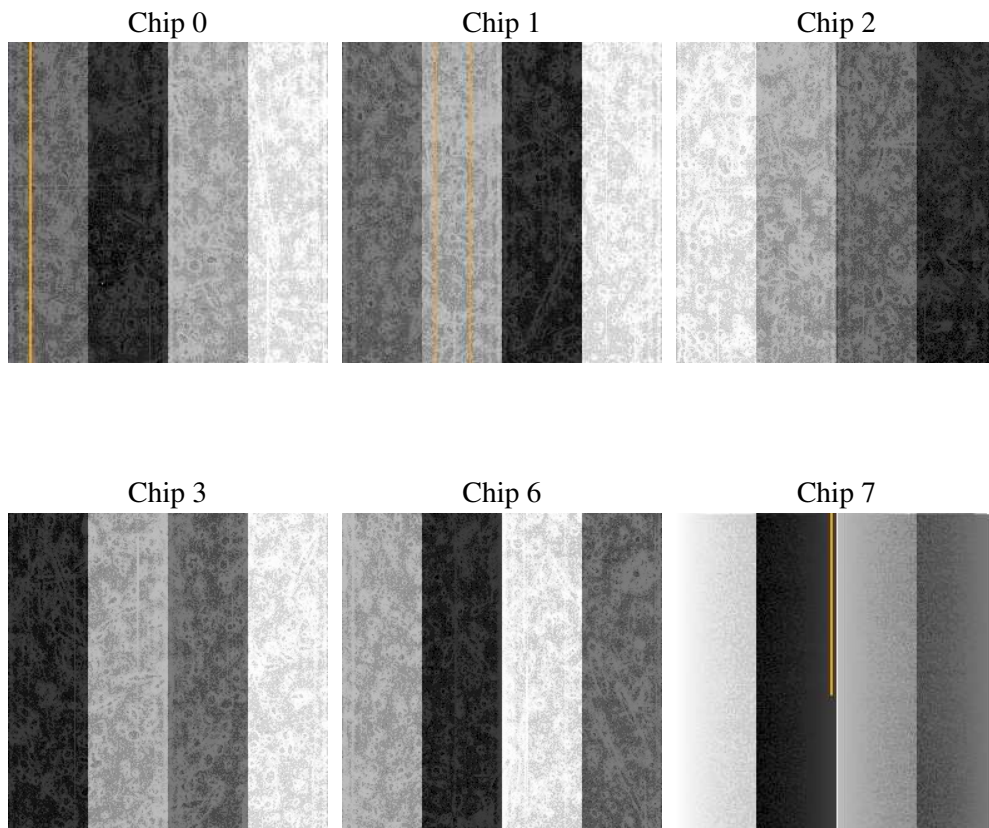
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.8.1
caldbver	3.2.2
date	2006-08-10T18:03:52
revision	2

sched_exp_time	0.0
ontime	8459.0189298987
ontime0	5149.9845483005
ontime1	5266.660962224
ontime2	4981.4537457824
ontime3	5088.4068297744
ontime6	5503.2519512475
ontime7	8459.0189298987
l1events	1539452

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	227528	231289	221656	226807	251691	380481
rejected events	33869	33243	33063	33382	37336	58201
rejected %	14%	14%	14%	14%	14%	15%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	107459	107592	107653	110297	113733	53537
	47%	46%	48%	48%	45%	14%
grade 1 events	476	437	596	542	455	111
	0%	0%	0%	0%	0%	0%
grade 2 events	33609	37316	30619	31697	40942	100710
	14%	16%	13%	13%	16%	26%
grade 3 events	12343	12001	11859	12400	12383	22815
	5%	5%	5%	5%	4%	5%
grade 4 events	12172	11910	12232	12371	12344	22045
	5%	5%	5%	5%	4%	5%
grade 5 events	2213	2233	2115	2258	2548	7114
	0%	0%	0%	0%	1%	1%
grade 6 events	28231	29354	26488	26785	35227	123275
	12%	12%	11%	11%	13%	32%
grade 7 events	31025	30446	30094	30457	34059	50874
	13%	13%	13%	13%	13%	13%

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	232.4034872134844	Alternating exposures requested	N	N
Pointing Dec	0	-4.328378619211663	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	244.1013519051232			
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	173660421.862465	173660420.83775			
Observation start date	2003-07-03T23:00:22	2003-07-03T23:00:20			
Observation end time	173682787.363416	173682786.3387			
Observation end date	2003-07-04T05:13:07	2003-07-04T05:13:06			
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)	2006.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.45707661

A.2 Comments

Focal plane temperature is warmer than -118 degrees throughout observation. The ACIS calibrations are not verified or necessarily applicable for focal plane temperatures warmer than -118 degrees.