

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 60564 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Jul 6 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

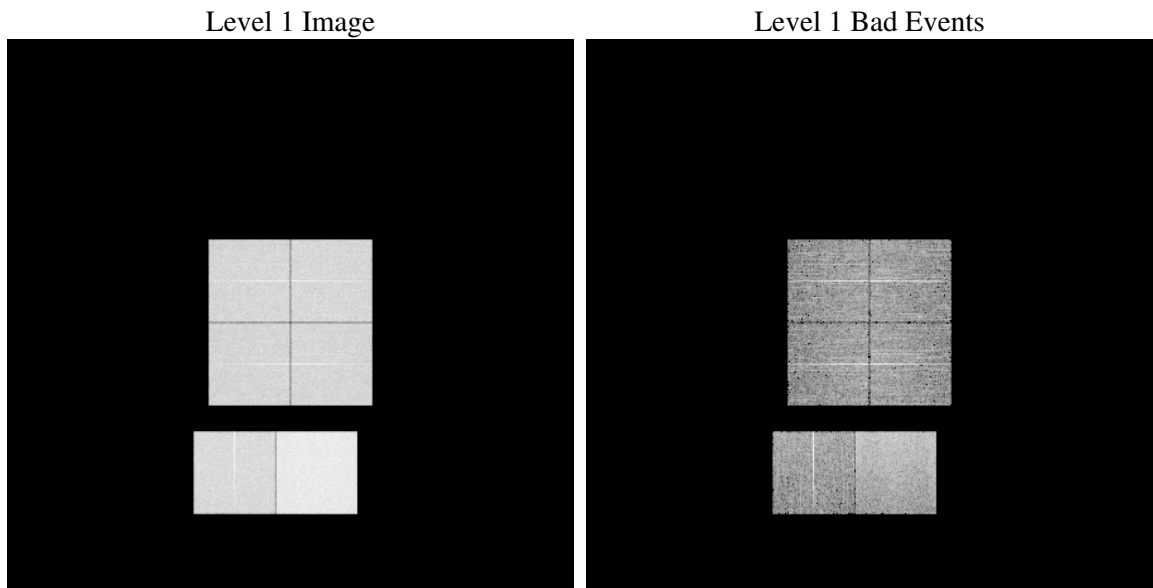
1 Front

seq_num	
obs_id	60564
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	333.9823418316
dec_nom	18.97679204948
roll_nom	201.39836957792
revision	2
ontime	8419.199968636
livetime	8312.5909891996
ontime0	5210.6343898773
ontime1	5337.0326184928
ontime2	4996.7293937206
ontime3	5053.6700046062
ontime6	5525.0107081234
ontime7	8419.199968636
l2events	1239866

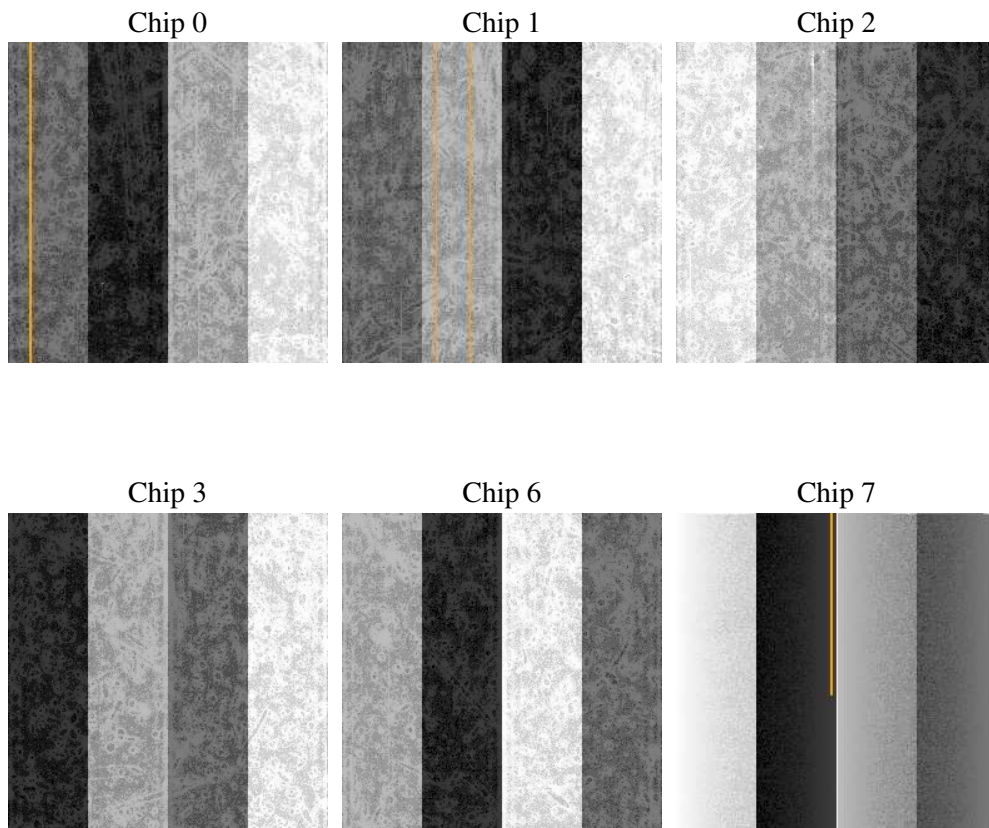
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-06T06:32:10
revision	2

sched_exp_time	0.0
ontime	8462.2634123564
ontime0	5237.4928826094
ontime1	5367.1320914328
ontime2	5023.5879262686
ontime3	5081.9254726171
ontime6	5558.3512310386
ontime7	8462.2634123564
l1events	1538068

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	227909	234158	221514	226449	252152	375886
rejected events	34570	35954	34308	36361	38354	59837
rejected %	15%	15%	15%	16%	15%	15%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	107135	108847	106095	107294	116674	54699
	47%	46%	47%	47%	46%	14%
grade 1 events	513	508	588	620	564	141
	0%	0%	0%	0%	0%	0%
grade 2 events	33533	35681	31281	32274	36997	97744
	14%	15%	14%	14%	14%	26%
grade 3 events	12432	12618	12166	12416	13141	22539
	5%	5%	5%	5%	5%	5%
grade 4 events	12367	12372	12226	12480	13138	22289
	5%	5%	5%	5%	5%	5%
grade 5 events	2280	2330	2122	2343	2588	7093
	1%	0%	0%	1%	1%	1%
grade 6 events	28927	29901	26475	26682	35197	120523
	12%	12%	11%	11%	13%	32%
grade 7 events	30722	31901	30561	32340	33853	50858
	13%	13%	13%	14%	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	333.9823418315995	Alternating exposures requested	N	N
Pointing Dec	0	18.97679204948049	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	201.3983695779235			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	179140219.696414	179140218.6717			
Observation start date	2003-09-05T09:10:20	2003-09-05T09:10:18			
Observation end time	179164723.347463	179164722.32275			
Observation end date	2003-09-05T15:58:43	2003-09-05T15:58:42			
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)	2006.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.41919996

A.2 Comments

The ACIS focal plane temperature increased by more than a degree during the observation and was above calibration limits for all but the first 2 ksec.