

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 59345 - L2 Version 002
Chandra X-Ray Center

L2 Processing Date : Apr 5 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

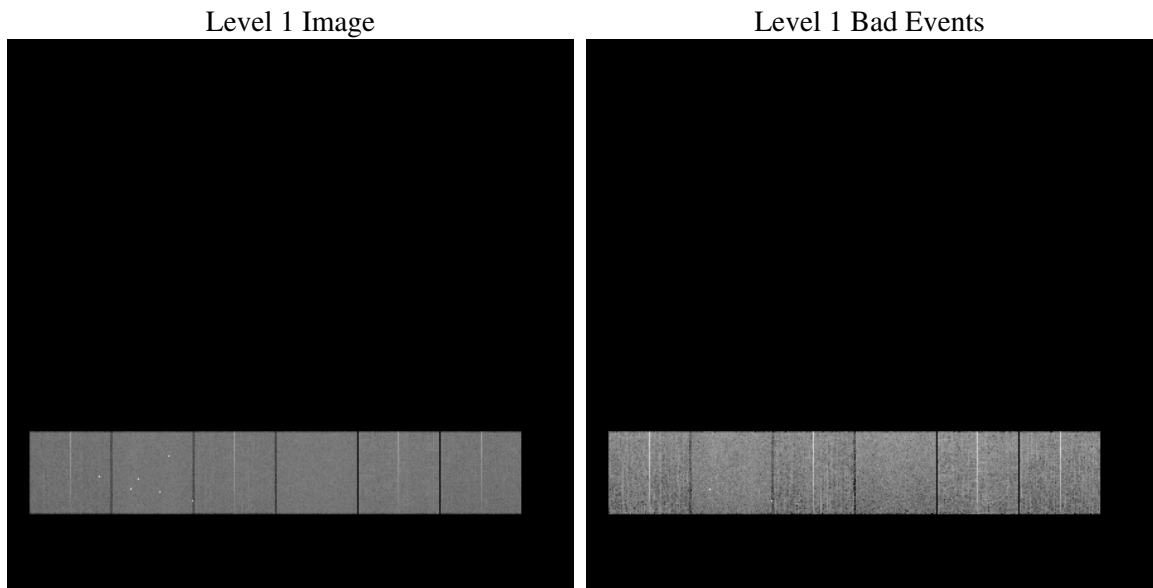
1 Front

seq_num	
obs_id	59345
title	ACIS-456789 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	16.995812272501
dec_nom	38.970995389239
roll_nom	229.79028808486
revision	2
ontime	7795.1999709606
livetime	7696.4924552224
ontime4	7182.6529945135
ontime5	7795.1999709606
ontime6	7646.1144473851
ontime7	7795.1999709606
ontime8	7749.8261466324
ontime9	7458.1370896101
l2events	956699

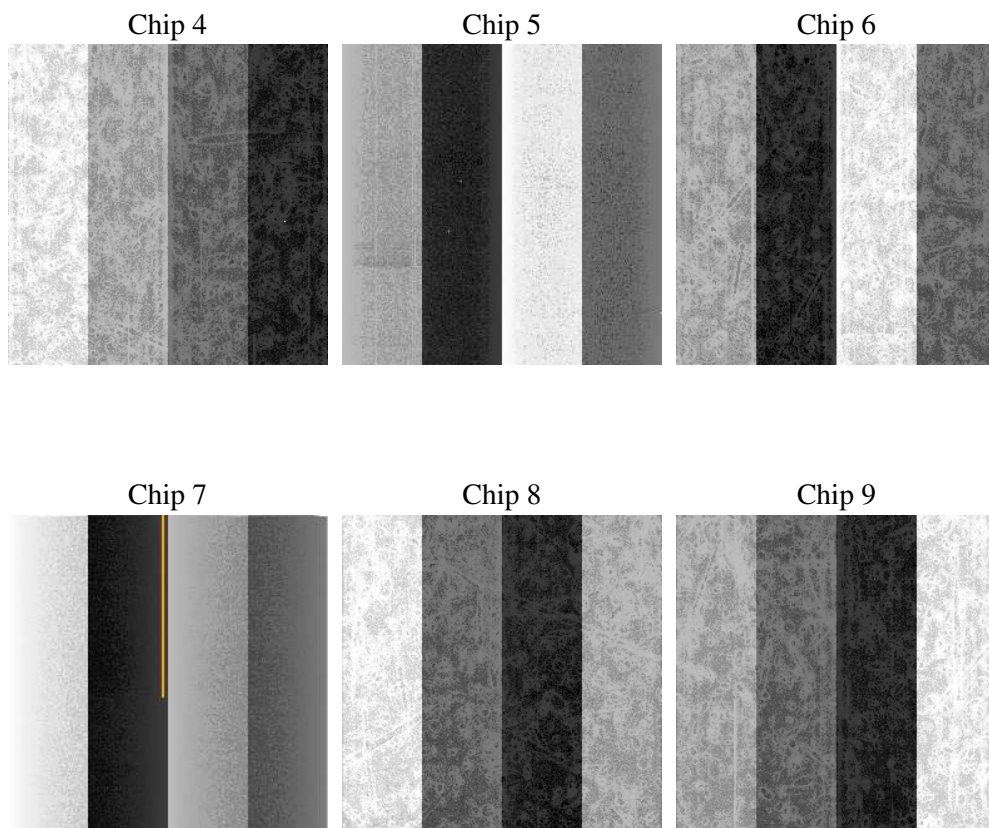
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-05T15:17:07
revision	2

sched_exp_time	0.0
ontime	7797.8793296814
ontime4	7185.3323532343
ontime5	7797.8793296814
ontime6	7648.7938061059
ontime7	7797.8793296814
ontime8	7752.5055053532
ontime9	7460.8164483309
l1events	1397374

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	210785	240806	232125	243585	248052	222021
rejected events	59597	62610	60297	58898	66653	60507
rejected %	28%	26%	25%	24%	26%	27%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	88920	24269	92752	30172	97160	88479
	42%	10%	39%	12%	39%	39%
grade 1 events	715	747	440	83	534	560
	0%	0%	0%	0%	0%	0%
grade 2 events	23059	78595	30117	56209	32476	27547
	10%	32%	12%	23%	13%	12%
grade 3 events	10129	4970	10897	12686	11783	10613
	4%	2%	4%	5%	4%	4%
grade 4 events	9896	5059	10506	12553	11851	10368
	4%	2%	4%	5%	4%	4%
grade 5 events	3268	5847	3638	6524	4566	3779
	1%	2%	1%	2%	1%	1%
grade 6 events	19262	65370	27623	73135	28219	24588
	9%	27%	11%	30%	11%	11%
grade 7 events	55536	55949	56152	52223	61463	56087
	26%	23%	24%	21%	24%	25%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	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	16.99581227250054	Alternating exposures requested	N	N
Pointing Dec	0	38.97099538923948	Primary exposure time	3.2	3.2
Pointing Roll	0.0	229.7902880848558			
SIM focus pos (mm)	-0.684267	-0.7823481983384333			
SIM defocus (mm)	0	0.7509884410658636			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	247647051.005904	247647049.98092			
Observation start date	2005-11-06T06:50:51	2005-11-06T06:50:49			
Observation end time	247660915.156544	247660914.13155			
Observation end date	2005-11-06T10:41:55	2005-11-06T10:41:54			
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)	2006.04.05
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	7.79519997

A.2 Comments

Focal plane temperature is elevated throughout observation.