

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 59727 - L2 Version 002
Chandra X-Ray Center

L2 Processing Date : Mar 18 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

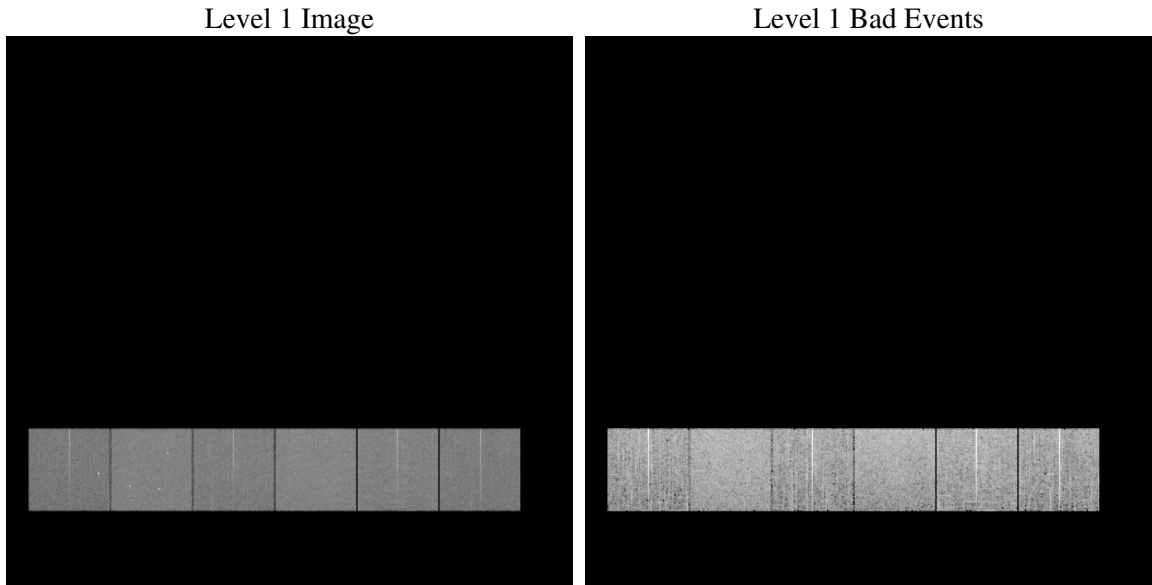
1 Front

seq_num	
obs_id	59727
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	176.52507534787
dec_nom	-9.1040293972811
roll_nom	319.92910119495
revision	2
ontime	7800.7938563526
livetime	7702.0155074693
ontime4	6183.6738791466
ontime5	7800.8348963559
ontime6	6689.2236261964
ontime7	7800.7938563526
ontime8	6964.788359195
ontime9	6527.0523100197
l2events	1019187

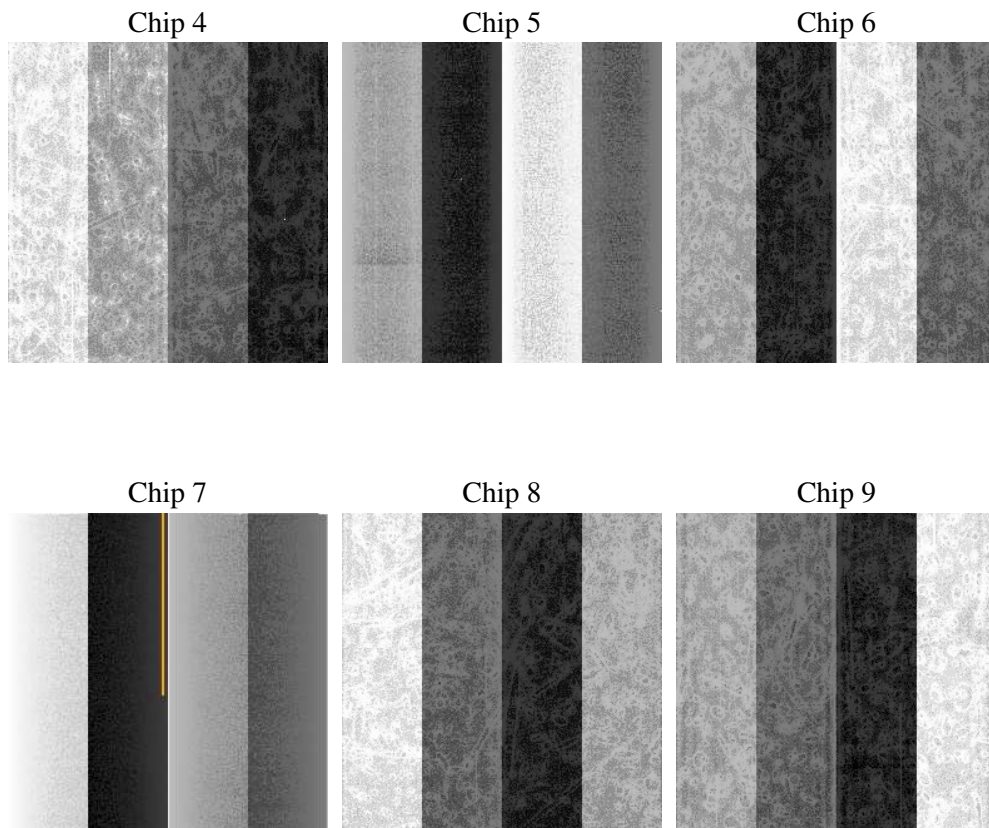
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-18T04:58:29
revision	2

sched_exp_time	0.0
ontime	7801.0937837958
ontime4	6183.8506865799
ontime5	7801.0937837958
ontime6	6689.4414736331
ontime7	7801.0937837958
ontime8	6964.9241266549
ontime9	6527.3932774663
l1events	1407257

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	199406	252708	226182	268096	246658	214207
rejected events	48354	59697	50506	56737	57071	49554
rejected %	24%	23%	22%	21%	23%	23%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	87921	22679	95301	36027	102045	90002
	44%	8%	42%	13%	41%	42%
grade 1 events	658	112	546	110	477	532
	0%	0%	0%	0%	0%	0%
grade 2 events	23906	88763	30403	63155	33711	28426
	11%	35%	13%	23%	13%	13%
grade 3 events	10105	6264	10933	15329	12729	10588
	5%	2%	4%	5%	5%	4%
grade 4 events	10056	5959	11008	15097	12365	10787
	5%	2%	4%	5%	5%	5%
grade 5 events	2814	5820	3267	6600	3988	3301
	1%	2%	1%	2%	1%	1%
grade 6 events	19064	69346	28031	81751	28737	24850
	9%	27%	12%	30%	11%	11%
grade 7 events	44882	53765	46693	50027	52606	45721
	22%	21%	20%	18%	21%	21%

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	176.5250753478747	Alternating exposures requested	N	N
Pointing Dec	0	-9.104029397281101	Primary exposure time	3.2	3.2
Pointing Roll	0.0	319.9291011949515			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	227999302.756935	227999301.73194			
Observation start date	2005-03-23T21:08:23	2005-03-23T21:08:21			
Observation end time	228037389.708664	228037388.68367			
Observation end date	2005-03-24T07:43:10	2005-03-24T07:43:08			
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)	2006.03.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.80079385

A.2 Comments