

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 59692 - L2 Version 002
Chandra X-Ray Center

L2 Processing Date: Mar 2 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

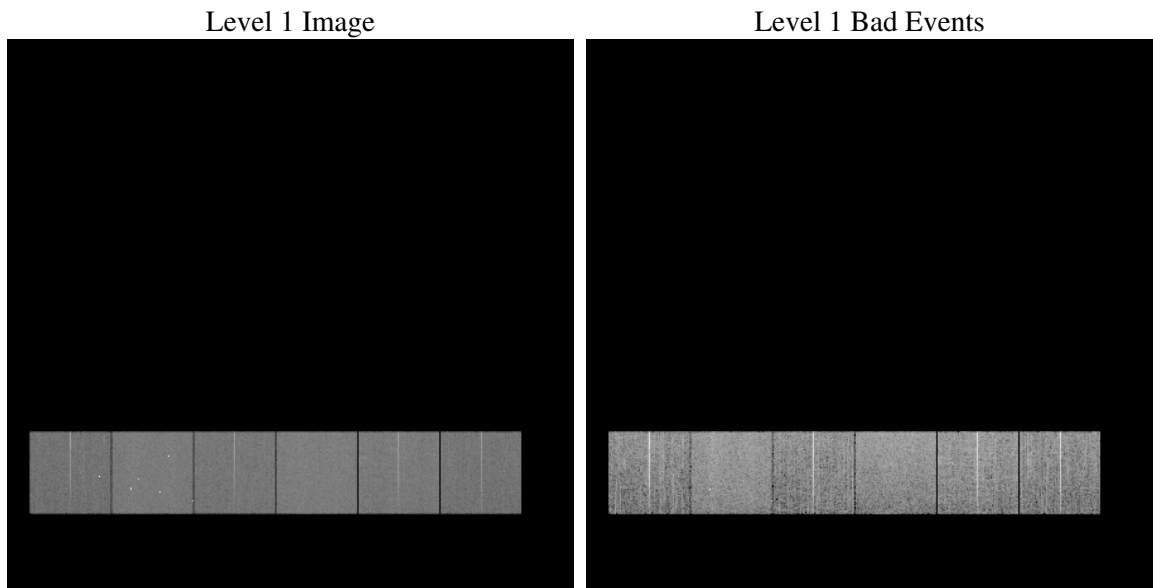
1 Front

seq_num	
obs_id	59692
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	196.99129777656
dec_nom	-3.0261841086045
roll_nom	231.03218698301
revision	2
ontime	8277.8774086535
livetime	8173.0579405658
ontime4	6696.4060345292
ontime5	8277.9184486568
ontime6	7270.0169373453
ontime7	8277.8774086535
ontime8	7419.1837313473
ontime9	7026.8213537931
l2events	1052539

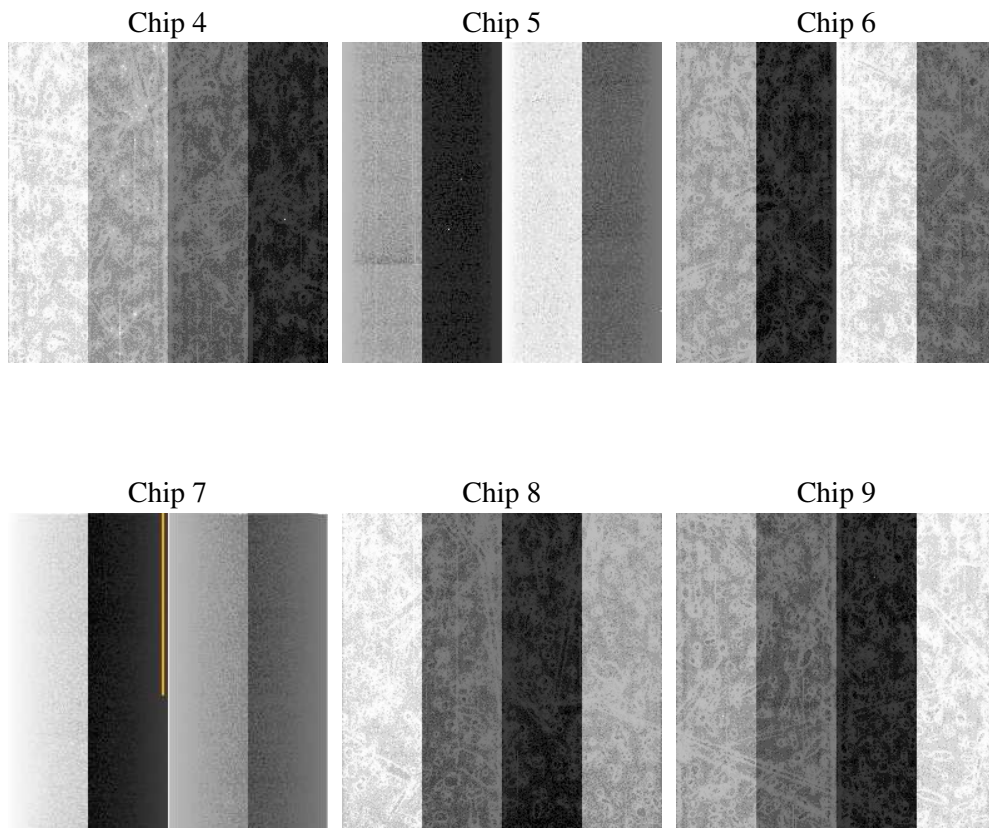
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldsver	3.2.1
date	2006-03-02T13:26:05
revision	2

sched_exp_time	0.0
ontime	8280.7678862512
ontime4	6699.173392117
ontime5	8280.7678862512
ontime6	7272.8253349364
ontime7	8280.7678862512
ontime8	7421.9100489616
ontime9	7029.7528713942
l1events	1491774

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	213760	270282	239454	280399	261904	225975
rejected events	55650	67544	56399	64744	66825	55711
rejected %	26%	24%	23%	23%	25%	24%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	93549	22727	98443	33482	105732	94105
	43%	8%	41%	11%	40%	41%
grade 1 events	759	157	477	119	570	548
	0%	0%	0%	0%	0%	0%
grade 2 events	23661	92839	32512	67313	34275	28674
	11%	34%	13%	24%	13%	12%
grade 3 events	10441	5755	11279	14566	12801	10803
	4%	2%	4%	5%	4%	4%
grade 4 events	10554	5591	11229	14050	12537	10940
	4%	2%	4%	5%	4%	4%
grade 5 events	3105	6369	3417	7091	4433	3552
	1%	2%	1%	2%	1%	1%
grade 6 events	19985	75927	29677	86314	29805	25810
	9%	28%	12%	30%	11%	11%
grade 7 events	51706	60917	52420	57464	61751	51543
	24%	22%	21%	20%	23%	22%

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	196.9912977765629	Alternating exposures requested	N	N
Pointing Dec	0	-3.026184108604471	Primary exposure time	3.2	3.2
Pointing Roll	0.0	231.0321869830147			
SIM focus pos (mm)	-0.684267	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-190.132523	250.4635187648994			
SIM translation stage offset (mm)	0	-0.007540371344731511			
Observation start time	230319076.712313	230319075.68731			
Observation start date	2005-04-19T17:31:17	2005-04-19T17:31:15			
Observation end time	230342284.763354	230342283.73836			
Observation end date	2005-04-19T23:58:05	2005-04-19T23:58:03			
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)	2006.03.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2778774

A.2 Comments

Focal plane temperature is elevated. Calibration may be affected.