

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 60481 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Jun 28 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

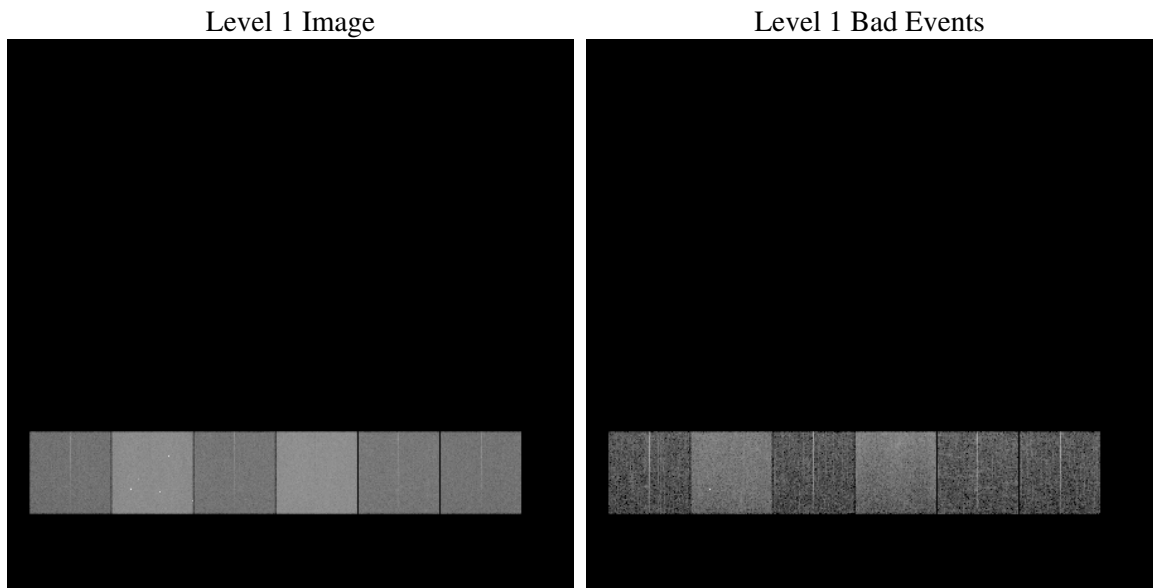
1 Front

seq_num	
obs_id	60481
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	295.01927532307
dec_nom	-50.025779044185
roll_nom	262.74921097274
revision	2
ontime	8181.8472108245
livetime	8078.2437349241
ontime4	3677.0149709284
ontime5	8421.7189025283
ontime6	3929.7729478478
ontime7	8181.8472108245
ontime8	4023.8436329961
ontime9	3816.2148030102
l2events	1246584

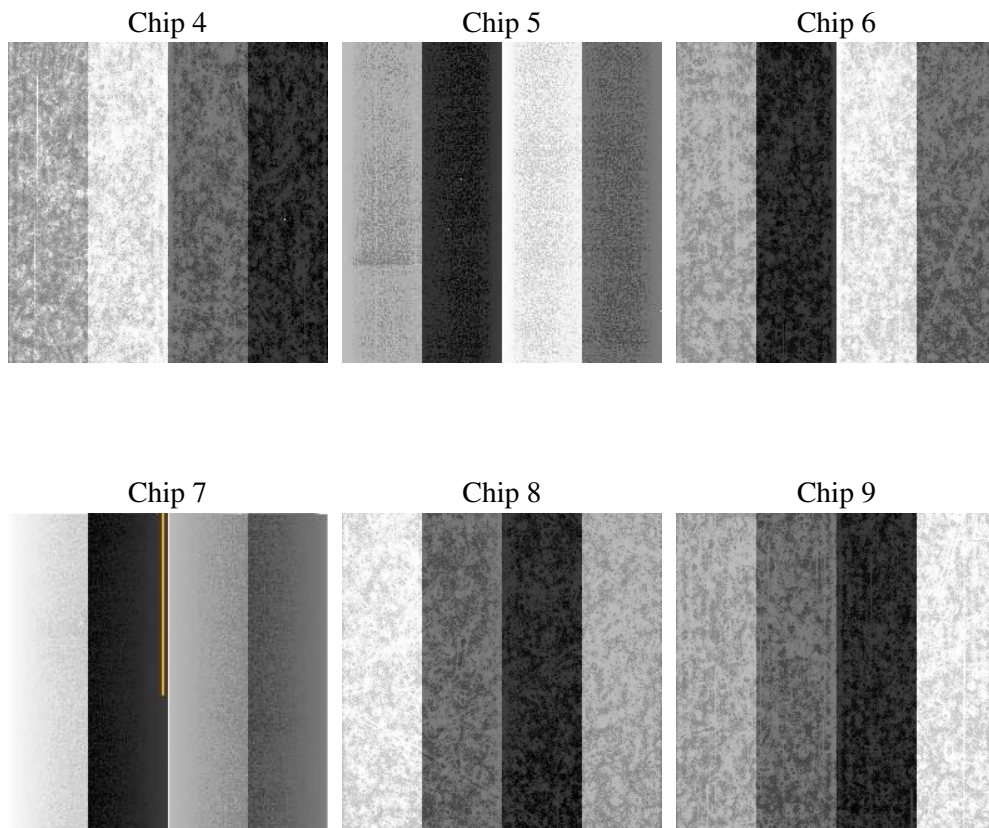
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-06-28T05:32:23
revision	2

sched_exp_time	0.0
ontime	8183.5240720212
ontime4	3678.5687121153
ontime5	8423.3547237217
ontime6	3931.367729038
ontime7	8183.5240720212
ontime8	4025.3563342094
ontime9	3817.9327042103
l1events	1541721

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	176343	375277	197611	395815	208434	188241
rejected events	28086	62163	27423	56872	30535	27808
rejected %	15%	16%	13%	14%	14%	14%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	84200	37517	90919	58811	96064	86928
	47%	9%	46%	14%	46%	46%
grade 1 events	723	145	514	140	491	547
	0%	0%	0%	0%	0%	0%
grade 2 events	23609	150215	28895	106631	30477	27097
	13%	40%	14%	26%	14%	14%
grade 3 events	9872	9499	10417	22631	11139	10024
	5%	2%	5%	5%	5%	5%
grade 4 events	9848	9360	10433	22426	11130	10208
	5%	2%	5%	5%	5%	5%
grade 5 events	1736	6728	1910	6689	2248	1916
	0%	1%	0%	1%	1%	1%
grade 6 events	20728	106672	29524	128615	29089	26354
	11%	28%	14%	32%	13%	14%
grade 7 events	25627	55141	24999	49872	27796	25167
	14%	14%	12%	12%	13%	13%

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	295.019275323072	Alternating exposures requested	N	N
Pointing Dec	0	-50.02577904418504	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	262.749210972739			
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	185315769.11216	185315768.08743			
Observation start date	2003-11-15T20:36:09	2003-11-15T20:36:08			
Observation end time	185337078.863085	185337077.83836			
Observation end date	2003-11-16T02:31:19	2003-11-16T02:31:17			
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)	2006.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.18184721

A.2 Comments