

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 60783 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Aug 4 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

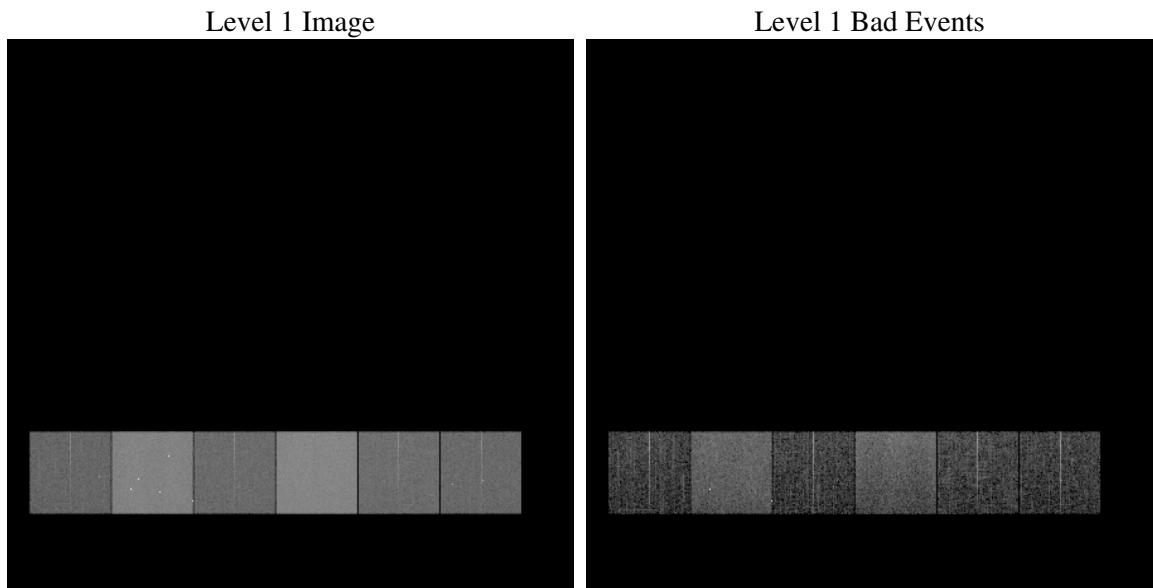
1 Front

seq_num	
obs_id	60783
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	225.70893468148
dec_nom	-41.672224776557
roll_nom	43.457400522532
revision	2
ontime	7791.9658769965
livetime	7693.2993133034
ontime4	3371.2923122346
ontime5	7791.9999709725
ontime6	3675.9474537671
ontime7	7791.9658769965
ontime8	3847.7212392092
ontime9	3585.1240659058
l2events	1142901

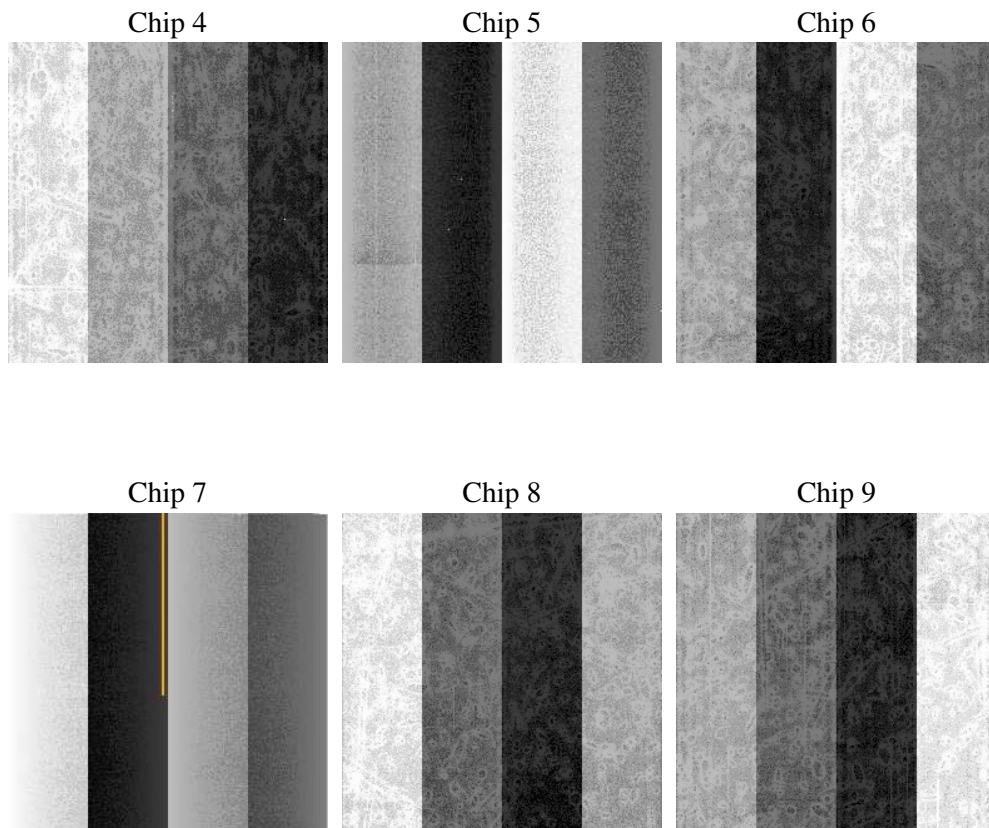
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldbver	3.2.2
date	2006-08-05T02:24:32
revision	2

sched_exp_time	0.0
ontime	7794.6238688231
ontime4	3373.9162100852
ontime5	7794.6238688231
ontime6	3678.5713516176
ontime7	7794.6238688231
ontime8	3850.3451370597
ontime9	3587.8230977356
l1events	1422423

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	156958	350234	180439	371958	191858	170976
rejected events	25563	60607	25718	52806	28330	24400
rejected %	16%	17%	14%	14%	14%	14%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	76878	37338	84284	57153	90411	81499
	48%	10%	46%	15%	47%	47%
grade 1 events	606	606	412	144	481	489
	0%	0%	0%	0%	0%	0%
grade 2 events	20419	136655	26578	97099	28218	25015
	13%	39%	14%	26%	14%	14%
grade 3 events	8897	9209	9587	23682	10356	9195
	5%	2%	5%	6%	5%	5%
grade 4 events	8660	8883	9441	23197	10440	9284
	5%	2%	5%	6%	5%	5%
grade 5 events	1567	6991	1727	6783	2126	1822
	0%	1%	0%	1%	1%	1%
grade 6 events	16679	97656	24971	118159	24228	21721
	10%	27%	13%	31%	12%	12%
grade 7 events	23252	52896	23439	45741	25598	21951
	14%	15%	12%	12%	13%	12%

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	225.7089346814762	Alternating exposures requested	N	N
Pointing Dec	0	-41.67222477655682	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	43.4574005225315			
SIM focus pos (mm)	-0.684267	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	166318024.701299	166318023.67658			
Observation start date	2003-04-09T23:27:05	2003-04-09T23:27:03			
Observation end time	166328754.401752	166328753.37703			
Observation end date	2003-04-10T02:25:54	2003-04-10T02:25:53			
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)	2006.08.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.79196587

A.2 Comments

Focal plane temperature is warmer than -118 degrees during latter half of observation. The ACIS calibrations are not verified or necessarily applicable for focal plane temperatures warmer than -118 degrees.