

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 61477 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Dec 31 2006

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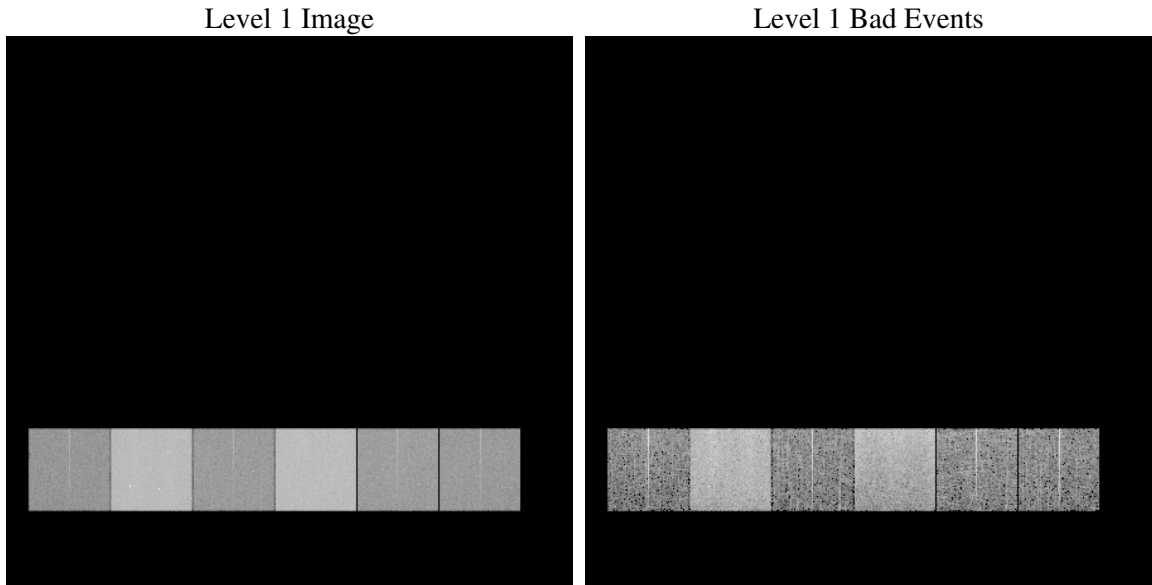
1 Front

seq_num	
obs_id	61477
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	305.03000669137
dec_nom	-35.014693909065
roll_nom	296.4224266114
revision	2
ontime	6312.5704874396
livetime	6232.6369189541
ontime4	2326.1443056762
ontime5	6795.4736263305
ontime6	2533.5705960691
ontime7	6312.5704874396
ontime8	2638.3466041684
ontime9	2498.7770334333
l2events	1272780

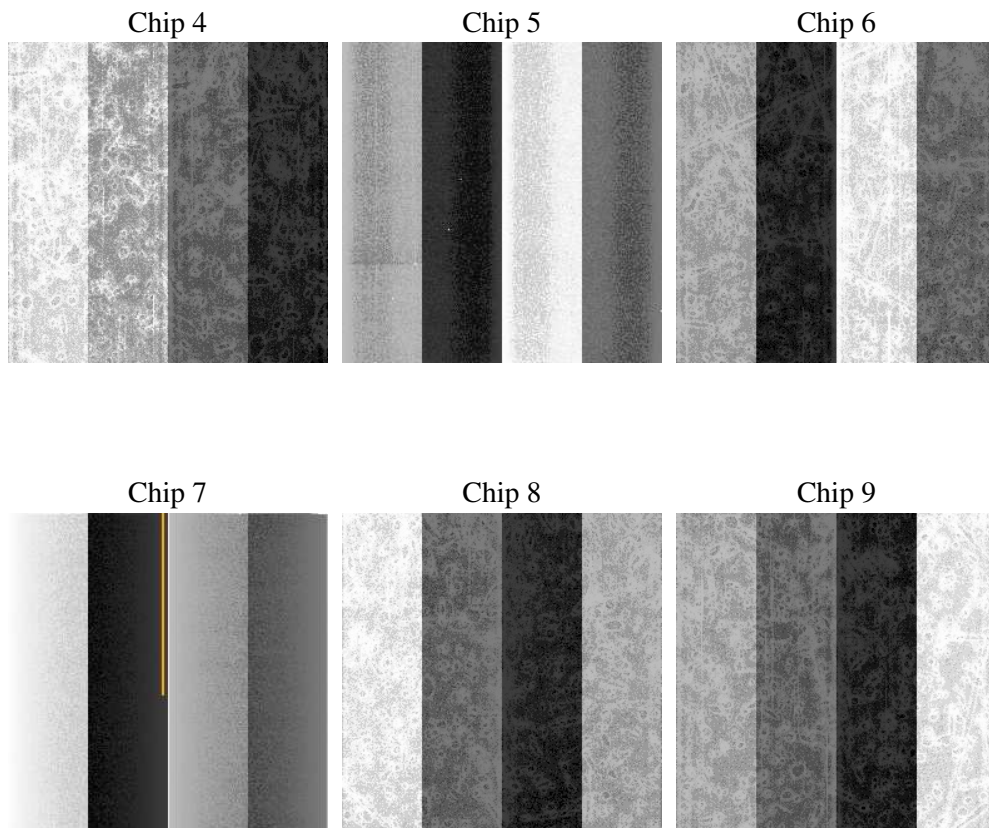
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-31T13:31:00
revision	2

sched_exp_time	0.0
ontime	6397.7571349591
ontime4	2359.4750307947
ontime5	6887.1422043145
ontime6	2573.3834011704
ontime7	6397.7571349591
ontime8	2680.3376809061
ontime9	2531.2501901984
l1events	1545893

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	154888	418675	179823	430184	190378	171945
rejected events	23000	67714	23554	54964	25667	23171
rejected %	14%	16%	13%	12%	13%	13%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	74270	38561	86814	68363	92168	82511
	47%	9%	48%	15%	48%	47%
grade 1 events	394	124	449	176	449	382
	0%	0%	0%	0%	0%	0%
grade 2 events	25127	172326	27917	116050	29724	27320
	16%	41%	15%	26%	15%	15%
grade 3 events	8014	11273	9382	27810	10348	9244
	5%	2%	5%	6%	5%	5%
grade 4 events	7779	10812	9618	27374	10458	8994
	5%	2%	5%	6%	5%	5%
grade 5 events	1321	7034	1483	6725	1691	1535
	0%	1%	0%	1%	0%	0%
grade 6 events	18528	122720	24914	140660	24670	22645
	11%	29%	13%	32%	12%	13%
grade 7 events	19455	55825	19246	43026	20870	19314
	12%	13%	10%	10%	10%	11%

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	305.0300066913655	Alternating exposures requested	N	N
Pointing Dec	0	-35.01469390906487	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	296.4224266113974			
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	116540080.257	116540079.48826			
Observation start date	2001-09-10T20:14:40	2001-09-10T20:14:39			
Observation end time	116561390.008	116561389.2391			
Observation end date	2001-09-11T02:09:50	2001-09-11T02:09:49			
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)	2007.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.31257048

A.2 Comments

Focal plane temperature is warmer than -118.7 C degrees during the entire observation. This temperature is the upper limit of the verified ACIS calibration for the front-illuminated chips.