

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 61865 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Jun 14 2007

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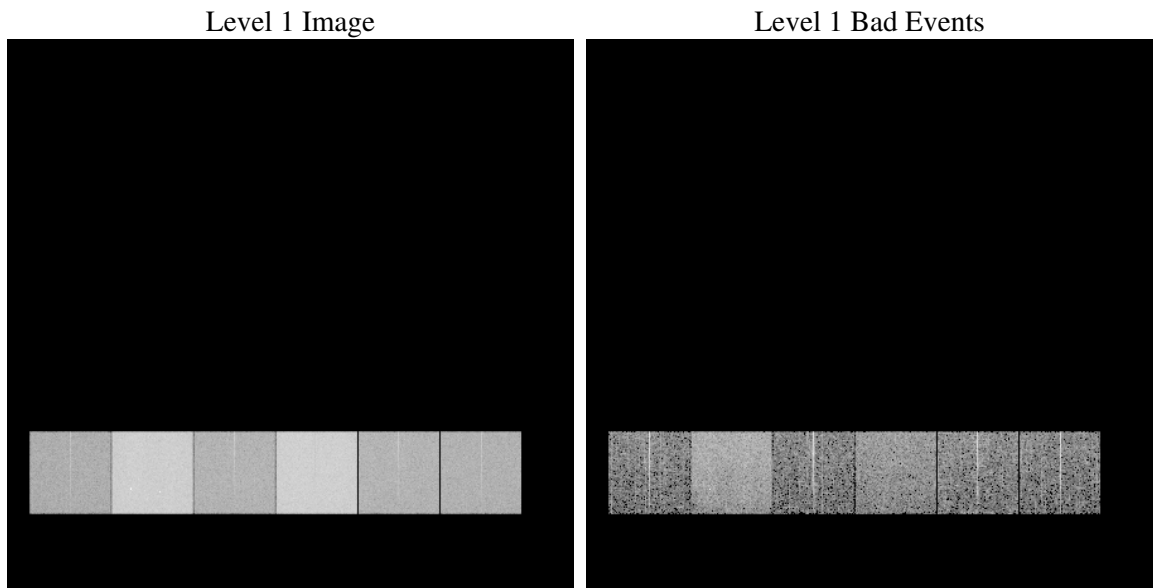
1 Front

seq_num	
obs_id	61865
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	356.39633643216
dec_nom	-59.493063080782
roll_nom	321.43348804263
revision	2
ontime	5066.2363334447
livetime	5002.0845984694
ontime4	2087.8680259883
ontime5	5455.1926818788
ontime6	2298.4946352541
ontime7	5066.2363334447
ontime8	2292.0946153402
ontime9	2230.3096155971
l2events	1356338

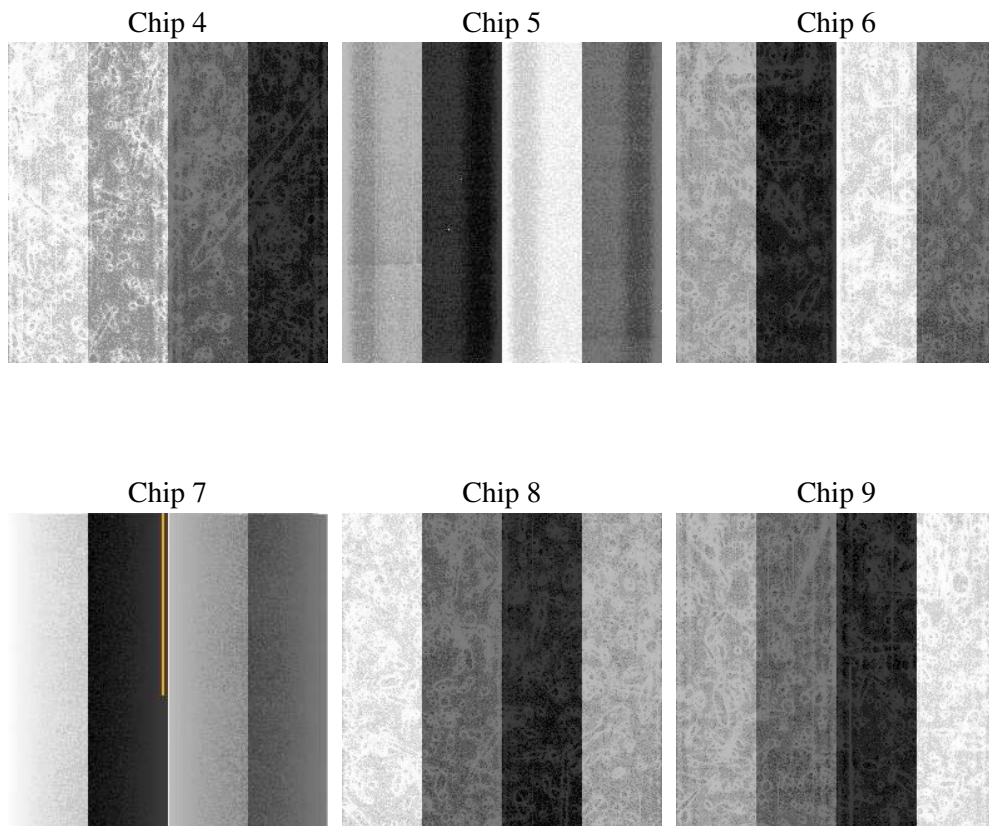
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-14T16:45:43
revision	2

sched_exp_time	0.0
ontime	5066.2363334447
ontime4	2087.8680259883
ontime5	5455.1926818788
ontime6	2298.4946352541
ontime7	5066.2363334447
ontime8	2292.0946153402
ontime9	2230.3096155971
l1events	1553878

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	167652	397335	195565	410969	197884	184473
rejected events	18752	40399	18229	25580	20575	17827
rejected %	11%	10%	9%	6%	10%	9%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	84206	85646	97142	99052	98757	91665
	50%	21%	49%	24%	49%	49%
grade 1 events	464	263	465	245	506	507
	0%	0%	0%	0%	0%	0%
grade 2 events	26434	129852	30980	85527	31232	29542
	15%	32%	15%	20%	15%	16%
grade 3 events	9071	22801	10781	39571	11012	10370
	5%	5%	5%	9%	5%	5%
grade 4 events	9211	22419	10652	39146	10968	10206
	5%	5%	5%	9%	5%	5%
grade 5 events	1290	8173	1398	5772	1616	1389
	0%	2%	0%	1%	0%	0%
grade 6 events	20215	96459	28027	122321	25611	25086
	12%	24%	14%	29%	12%	13%
grade 7 events	16761	31722	16120	19335	18182	15708
	9%	7%	8%	4%	9%	8%

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	356.396336432163	Alternating exposures requested	N	N
Pointing Dec	0	-59.49306308078188	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	321.4334880426286			
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	89364430.50399999	89364429.73549099			
Observation start date	2000-10-31T07:27:11	2000-10-31T07:27:09			
Observation end time	89374940.854	89374940.085888			
Observation end date	2000-10-31T10:22:21	2000-10-31T10:22:20			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.06623633

A.2 Comments

Focal plane temperature is warmer than -118.7 C degrees during the entire observation. The ACIS spectral response calibration for the front-illuminated chips is less accurate at these warmer temperatures than it is at -119.7 C. The back-illuminated chips are not affected at the focal plane temperatures recorded for this observation. Users whose science objectives depend on the most accurate spectral response (i.e.: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.