V&V Reference Report
L2 ASCDS Version : 7.6.10

Observation 62236 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Jun 14 2007

Contents

1 Front

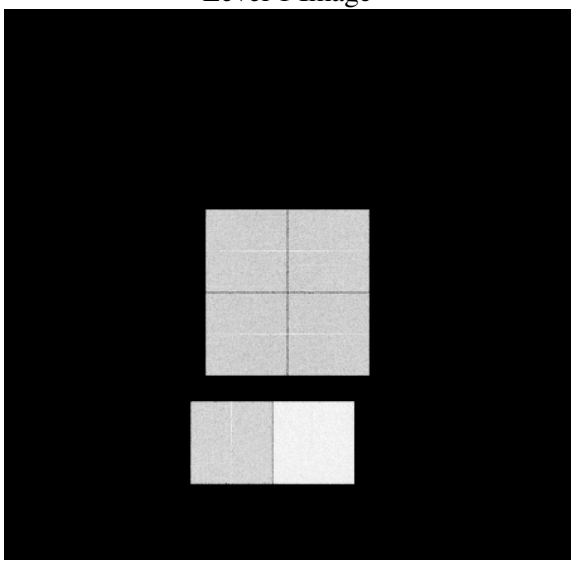
seq_num	
obs_id	62236
title	ACIS-012367 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
dtycycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	164.50747472564
dec_nom	-52.436914768249
roll_nom	52.269633042508
revision	3
ontime	3507.7250674069
livetime	3463.3081405049
ontime0	1413.6342312992
ontime1	1433.5619417801
ontime2	1375.2643215209
ontime3	1368.6180316508
ontime6	1540.5983519852
ontime7	3507.7250674069
l2events	915941

2 OBI

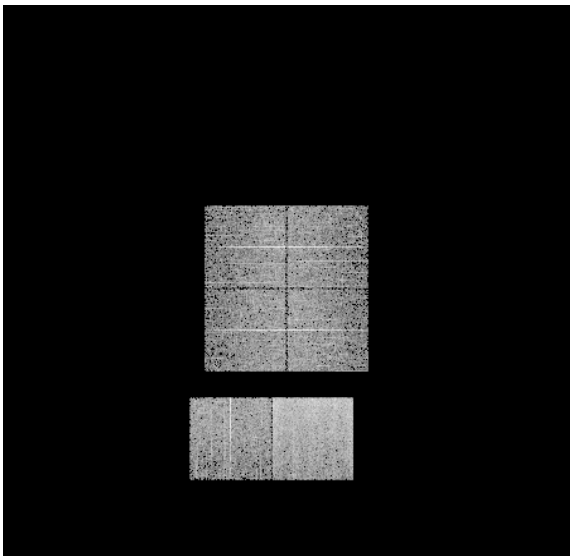
2.1 OBI

2.1.1 Images

Level 1 Image

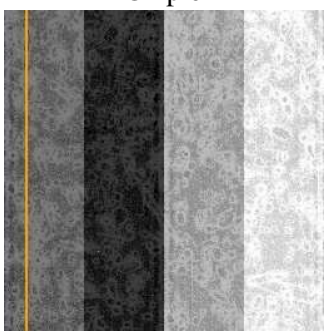


Level 1 Bad Events

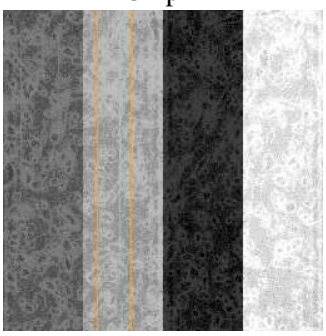


2.1.2 Bias

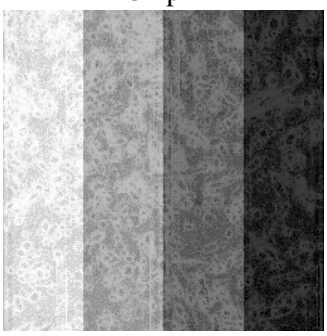
Chip 0



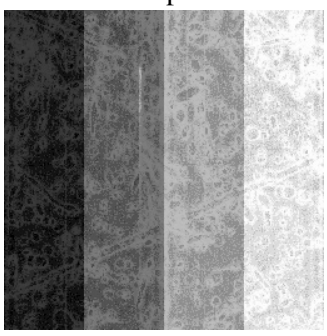
Chip 1



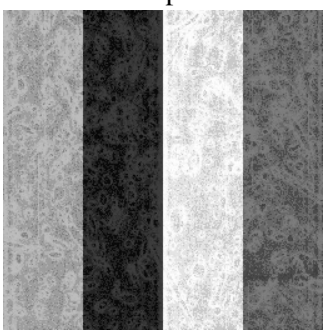
Chip 2



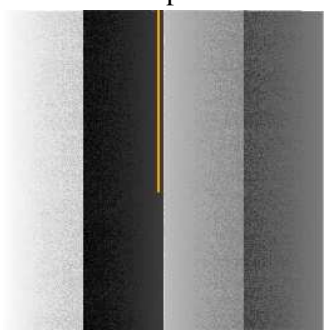
Chip 3



Chip 6



Chip 7



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-06-15T00:31:19
revision	3

sched_exp_time	0.0
ontime	3507.7250674069
ontime0	1413.6342312992
ontime1	1433.5619417801
ontime2	1375.2643215209
ontime3	1368.6180316508
ontime6	1540.5983519852
ontime7	3507.7250674069
l1events	1059446

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	138211	139961	134898	136168	156691	353517
rejected events	18774	18533	18963	19833	22692	35284
rejected %	13%	13%	14%	14%	14%	9%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	43234	44576	36260	37741	37382	58992
	31%	31%	26%	27%	23%	16%
grade 1 events	192	142	130	170	157	120
	0%	0%	0%	0%	0%	0%
grade 2 events	46101	46540	51604	50898	63171	89915
	33%	33%	38%	37%	40%	25%
grade 3 events	4629	4746	3685	3961	3902	27919
	3%	3%	2%	2%	2%	7%
grade 4 events	4719	4746	3931	4074	3835	25444
	3%	3%	2%	2%	2%	7%
grade 5 events	1093	1134	1127	1129	1234	4946
	0%	0%	0%	0%	0%	1%
grade 6 events	21290	21656	20980	20694	26605	117931
	15%	15%	15%	15%	16%	33%
grade 7 events	16953	16421	17181	17501	20405	28250
	12%	11%	12%	12%	13%	7%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
Pointing RA	0	164.5074747256383
Pointing Dec	0	-52.4369147682489
Pointing Roll	0.0	52.26963304250837
SIM focus pos (mm)	-0.782348	-0.6828225247311905
SIM defocus (mm)	0	0.8505141146731063
SIM translation stage pos (mm)	-233.592463	250.466033080201
SIM translation stage offset (mm)	0	-0.01005468664627074
Observation start time	63550667.546233	63550666.777745
Observation start date	2000-01-06T12:57:48	2000-01-06T12:57:46
Observation end time	63557967.596497	63557966.82801
Observation end date	2000-01-06T14:59:28	2000-01-06T14:59:26
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.50772506

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. The focal plane temperature is warmer than -116.7 degrees C for the entire observation. This temperature is the upper limit of the verified ACIS calibration for the back-illuminated chips. The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives depend on the most accurate spectral response (ie: 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.