V&V Reference Report
L2 ASCDS Version : 8.1.1

Observation 62271 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 26 2009

Contents

1 Front

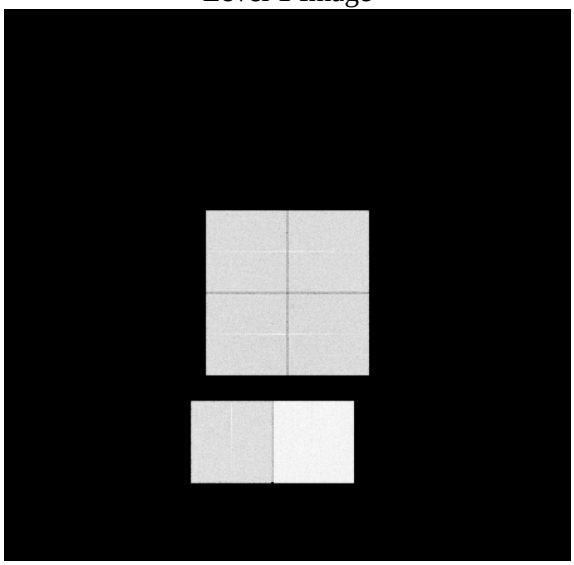
seq_num		Sequence number
obs_id	62271	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	350.72012682447	Nominal RA
dec_nom	59.155629065117	Nominal Dec
roll_nom	281.50570841325	Nominal Roll
revision	4	Processing version of data
ontime	3399.831926316	Sum of GTIs [s]
livetime	3356.781207332	Livetime [s]
ontime0	1416.3331163228	Sum of GTIs [s]
ontime1	1461.7076764032	Sum of GTIs [s]
ontime2	1361.235376358	Sum of GTIs [s]
ontime3	1354.7532963455	Sum of GTIs [s]
ontime6	1513.5642566532	Sum of GTIs [s]
ontime7	3399.831926316	Sum of GTIs [s]
l2events	925479	Number of level 2 events

2 OBI

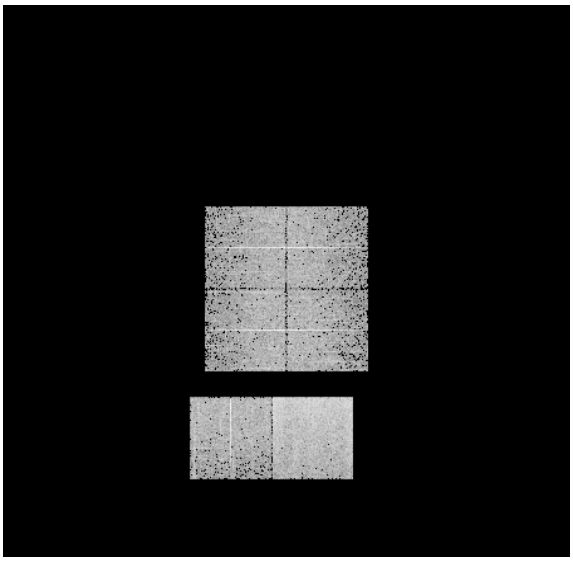
2.1 OBI

2.1.1 Images

Level 1 Image

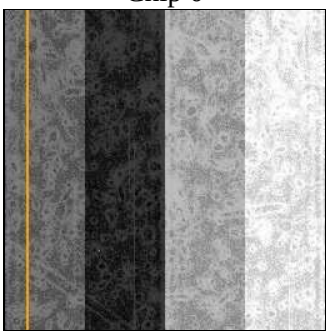


Level 1 Bad Events

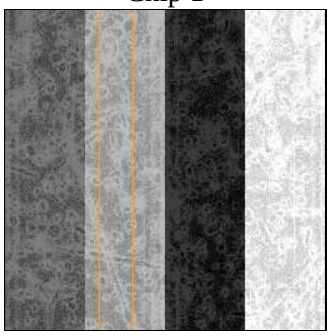


2.1.2 Bias

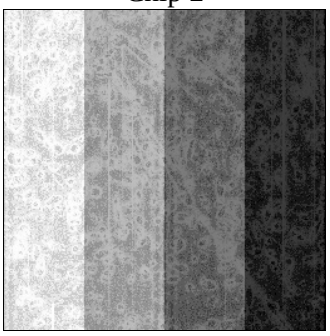
Chip 0



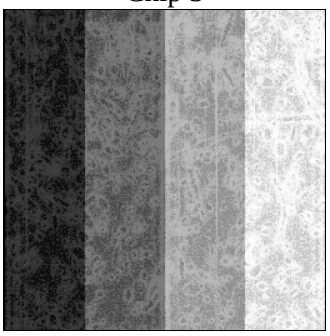
Chip 1



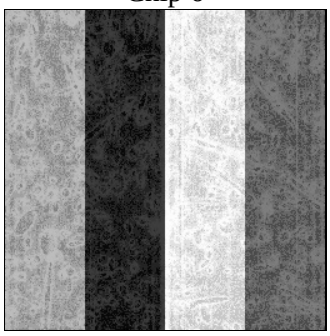
Chip 2



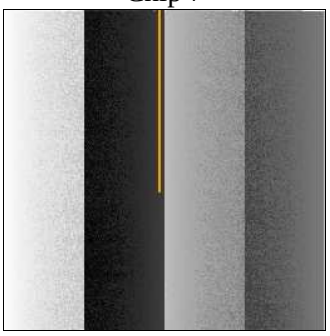
Chip 3



Chip 6



Chip 7



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.1.1	ASCDS version number
caldbver	4.1.4	
date	2009-11-26T05:41:52	Date and time of file creation
revision	3	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	3399.831926316	Sum of GTIs [s]
ontime0	1416.3331163228	Sum of GTIs [s]
ontime1	1461.7076764032	Sum of GTIs [s]
ontime2	1361.235376358	Sum of GTIs [s]
ontime3	1354.7532963455	Sum of GTIs [s]
ontime6	1513.5642566532	Sum of GTIs [s]
ontime7	3399.831926316	Sum of GTIs [s]
l1events	1062441	Number of level 1 events

2.1.4 Events

	ccd 0	**ccd 1**	**ccd 2**	**ccd 3**	**ccd 6**	**ccd 7**
level 1 events	140985	144025	137239	136968	156703	346521
rejected events	17618	17457	19129	18528	21395	33236
rejected %	12%	12%	13%	13%	13%	9%

	ccd 0	**ccd 1**	**ccd 2**	**ccd 3**	**ccd 6**	**ccd 7**
grade 0 events	45889	46920	37254	39187	37976	56941
	32%	32%	27%	28%	24%	16%
grade 1 events	196	175	163	151	145	141
	0%	0%	0%	0%	0%	0%
grade 2 events	46340	47791	52110	50491	63445	87999
	32%	33%	37%	36%	40%	25%
grade 3 events	4997	4960	3880	3949	3768	27032
	3%	3%	2%	2%	2%	7%
grade 4 events	4975	5083	3897	4028	4016	24674
	3%	3%	2%	2%	2%	7%
grade 5 events	1115	1222	1083	1126	1238	4915
	0%	0%	0%	0%	0%	1%
grade 6 events	21425	22080	21241	20785	26624	117542
	15%	15%	15%	15%	16%	33%
grade 7 events	16048	15794	17611	17251	19491	27277
	11%	10%	12%	12%	12%	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	350.7201268244656
Pointing Dec	0	59.15562906511713
Pointing Roll	0.0	281.5057084132508
SIM focus pos (mm)	-0.782348	-1.428180813131781
SIM defocus (mm)	0	0.1051558262725154
SIM translation stage pos (mm)	-233.592463	250.466033080201
SIM translation stage offset (mm)	0	-0.01005468664627074
Observation start time	61494162.82168	61494162.053234
Observation start date	1999-12-13T17:42:43	1999-12-13T17:42:42
Observation end time	61501460.821944	61501460.053498
Observation end date	1999-12-13T19:44:21	1999-12-13T19:44:20
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)	2010.01.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.399831926316

A.2 Comments

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The focal plane temperature is approximately -110C during this
observation. This reprocessing of the data applies no CTI correction
because none is available for this temperature at present.

The ACIS CTI correction has not been calibrated at this temperature,
because it was early in the mission, and ACIS had not yet been lowered
to the standard -119.7 C. Both front and back illuminated chips are
affected. However a T_GAIN correction has been applied to the BI chips
(ACIS-5 and ACIS-7) data included here.

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.
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