V&V Reference Report
L2 ASCDS Version : 8.1.2

Observation 62708 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Mar 31 2010

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1 Front

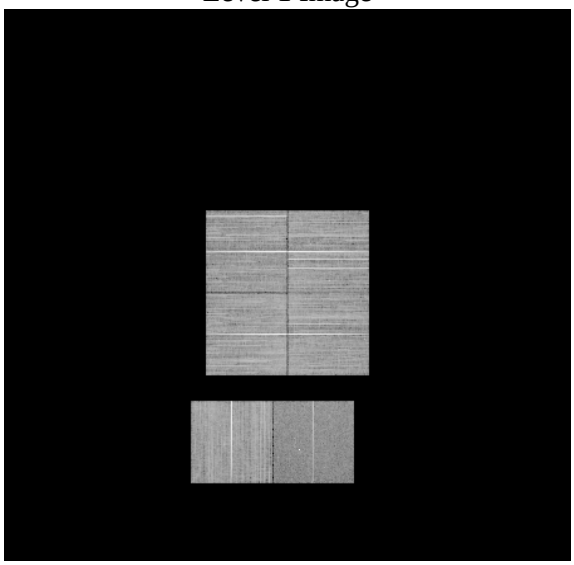
seq_num	0	Sequence number
obs_id	62708	Observation id
title	ACIS-I background measurement	Proposal title
observer	CHANDRA orbital activation and checkout	Principal investigator
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	242.35104876935	Nominal RA
dec_nom	-62.643185968781	Nominal Dec
roll_nom	274.39624289903	Nominal Roll
revision	3	Processing version of data
ontime	6664.9085944295	Sum of GTIs [s]
livetime	6583.0395211124	Livetime [s]
ontime0	6661.5265642777	Sum of GTIs [s]
ontime1	6664.8265144303	Sum of GTIs [s]
ontime2	6664.785474427	Sum of GTIs [s]
ontime3	6664.7444344312	Sum of GTIs [s]
ontime6	6664.7033944279	Sum of GTIs [s]
ontime7	6664.9085944295	Sum of GTIs [s]
l2events	58346	Number of level 2 events

2 OBI

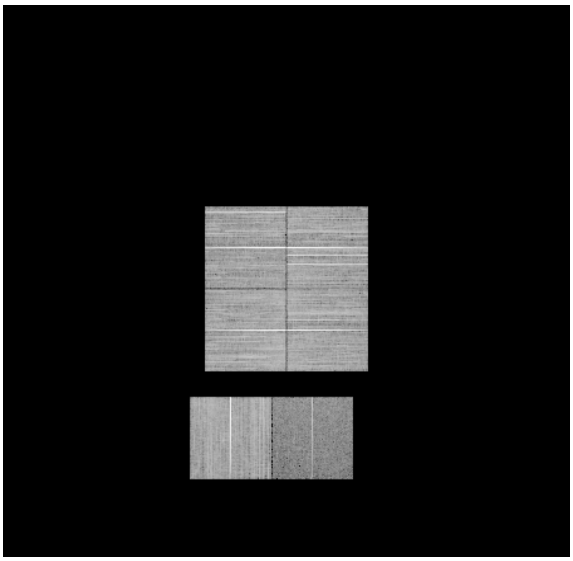
2.1 OBI

2.1.1 Images

Level 1 Image

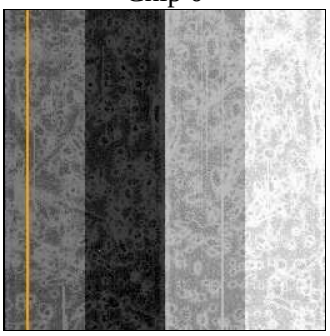


Level 1 Bad Events

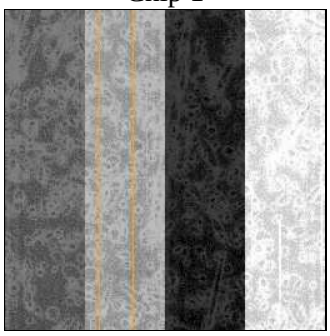


2.1.2 Bias

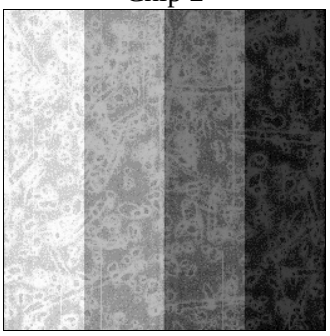
Chip 0



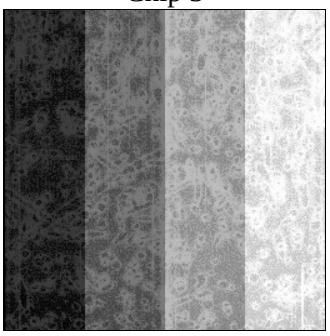
Chip 1



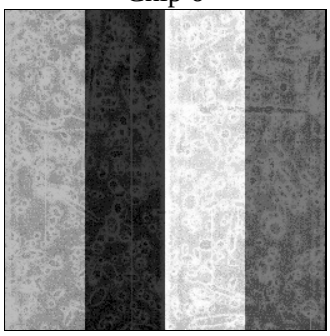
Chip 2



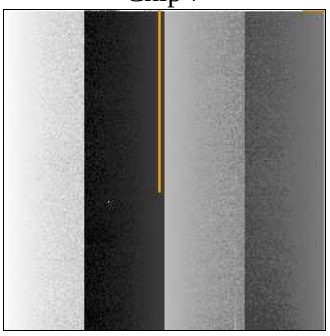
Chip 3



Chip 6



Chip 7



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.2.1	ASCDS version number
caldbver	4.1.5	
date	2010-03-31T20:24:45	Date and time of file creation
revision	3	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	6664.9085944295	Sum of GTIs [s]
ontime0	6661.5265642777	Sum of GTIs [s]
ontime1	6664.8265144303	Sum of GTIs [s]
ontime2	6664.785474427	Sum of GTIs [s]
ontime3	6664.7444344312	Sum of GTIs [s]
ontime6	6664.7033944279	Sum of GTIs [s]
ontime7	6664.9085944295	Sum of GTIs [s]
l1events	1092426	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	185364	206042	210095	199058	195911	95956
rejected events	178816	198961	204047	192692	189730	63548
rejected %	96%	96%	97%	96%	96%	66%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2895	3050	2757	2979	2653	3729
	1%	1%	1%	1%	1%	3%
grade 1 events	39	33	39	42	19	77
	0%	0%	0%	0%	0%	0%
grade 2 events	1233	1207	1094	1144	1110	5236
	0%	0%	0%	0%	0%	5%
grade 3 events	649	808	579	632	622	3227
	0%	0%	0%	0%	0%	3%
grade 4 events	666	755	577	599	666	2810
	0%	0%	0%	0%	0%	2%
grade 5 events	1773	1790	1584	1729	2029	6055
	0%	0%	0%	0%	1%	6%
grade 6 events	1105	1261	1041	1012	1130	17406
	0%	0%	0%	0%	0%	18%
grade 7 events	177004	197138	202424	190921	187682	57416
	95%	95%	96%	95%	95%	59%

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	242.3510487693547
Pointing Dec	0	-62.64318596878069
Pointing Roll	0.0	274.3962428990251
SIM focus pos (mm)	-0.782348	0.255451383487682
SIM defocus (mm)	0	0.9397188447875782
SIM translation stage pos (mm)	-233.592463	-190.1325231039672
SIM translation stage offset (mm)	0	5.209593894051068e-07
Observation start time	50636987.71	50636987.073562
Observation start date	1999-08-10T01:49:48	1999-08-10T01:49:47
Observation end time	50651737.541	50651736.824083
Observation end date	1999-08-10T05:55:38	1999-08-10T05:55:36
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	0.000000	3.3

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.6649085944295

A.2 Comments

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Measurement of orbital background.
===
No KALMAN intervals in the observation
====
The focal plane temperature is approximately -90C 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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