V&V Reference Report
L2 ASCDS Version : 8.1.1

Observation 62248 - L2 Version 6
Chandra X-Ray Center

L2 Processing Date : Aug 26 2011

Contents

1 Front

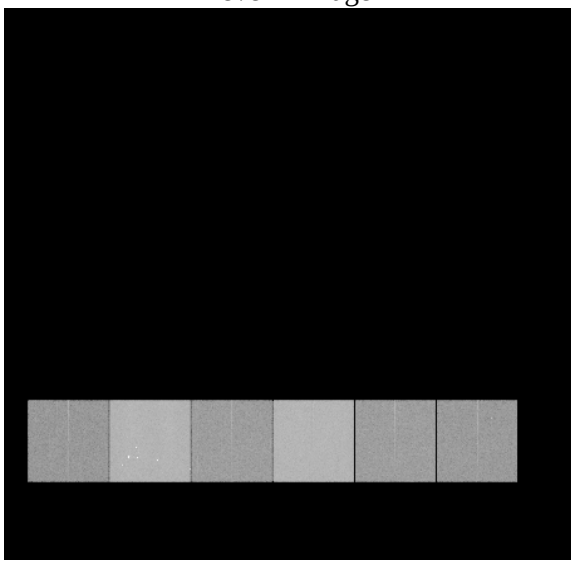
seq_num		Sequence number
obs_id	62248	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	115.82475982119	Nominal RA
dec_nom	28.892679104866	Nominal Dec
roll_nom	102.70727004719	Nominal Roll
revision	6	Processing version of data
ontime	2890.2948738486	Sum of GTIs [s]
livetime	2853.6962198293	Livetime [s]
ontime4	1111.0942110419	Sum of GTIs [s]
ontime5	3066.3050004095	Sum of GTIs [s]
ontime6	1253.6588814631	Sum of GTIs [s]
ontime7	2890.2948738486	Sum of GTIs [s]
ontime8	1256.9820014685	Sum of GTIs [s]
ontime9	1188.7149613351	Sum of GTIs [s]
l2events	906130	Number of level 2 events

2 OBI

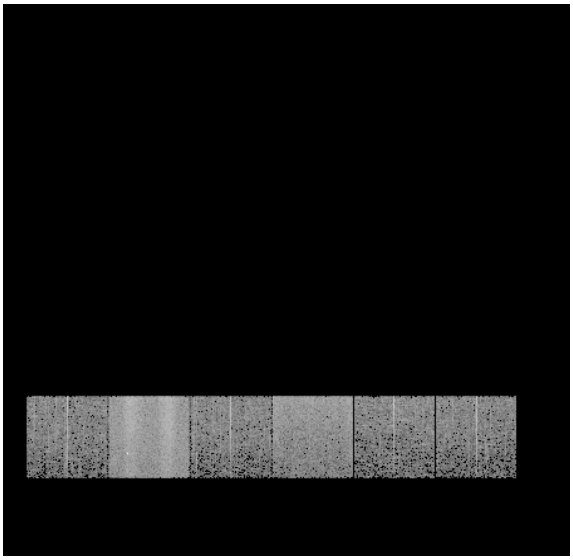
2.1 OBI

2.1.1 Images

Level 1 Image

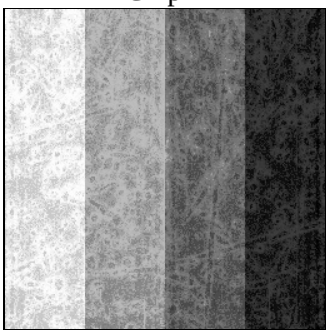


Level 1 Bad Events

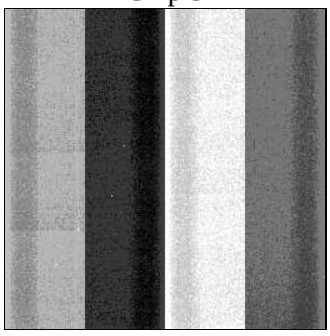


2.1.2 Bias

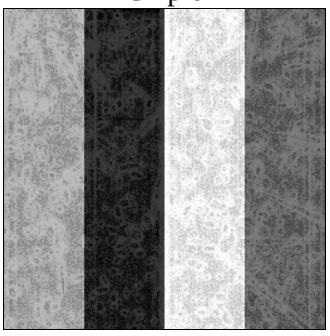
Chip 4



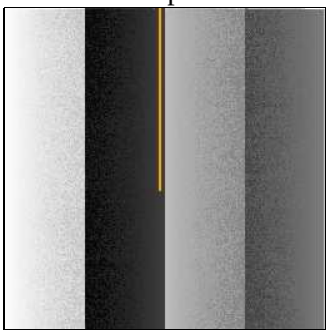
Chip 5



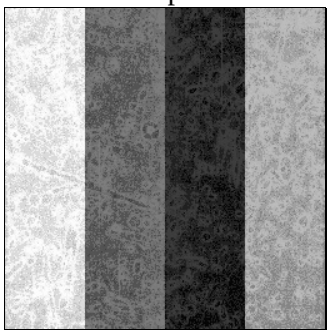
Chip 6



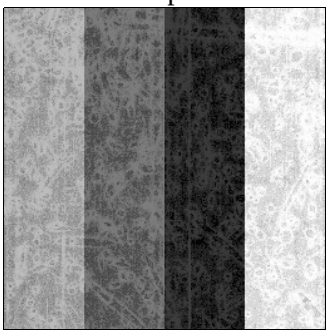
Chip 7



Chip 8



Chip 9



2.1.3 Parameters

obi_num	1	Obi number
ascdsver	8.1.1	ASCDS version number
caldbver	4.1.4	
date	2009-11-29T20:21:57	Date and time of file creation
revision	3	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	2890.2948738486	Sum of GTIs [s]
ontime4	1111.0942110419	Sum of GTIs [s]
ontime5	3066.3050004095	Sum of GTIs [s]
ontime6	1253.6588814631	Sum of GTIs [s]
ontime7	2890.2948738486	Sum of GTIs [s]
ontime8	1256.9820014685	Sum of GTIs [s]
ontime9	1188.7149613351	Sum of GTIs [s]
l1events	1063076	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	107487	286997	128870	292421	130454	116847
rejected events	17659	45500	18406	27228	17695	16756
rejected %	16%	15%	14%	9%	13%	14%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	20165	28170	30630	49388	39219	29990
	18%	9%	23%	16%	30%	25%
grade 1 events	81	305	103	117	153	119
	0%	0%	0%	0%	0%	0%
grade 2 events	48654	93585	52225	74265	44949	45109
	45%	32%	40%	25%	34%	38%
grade 3 events	2090	12987	3042	23018	4203	3023
	1%	4%	2%	7%	3%	2%
grade 4 events	2111	10864	3068	20659	4212	3204
	1%	3%	2%	7%	3%	2%
grade 5 events	882	4747	1008	4062	1159	1043
	0%	1%	0%	1%	0%	0%
grade 6 events	16808	96158	21499	97863	20176	18765
	15%	33%	16%	33%	15%	16%
grade 7 events	16696	40181	17295	23049	16383	15594
	15%	14%	13%	7%	12%	13%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
Pointing RA	0	115.8247598211901
Pointing Dec	0	28.8926791048657
Pointing Roll	0.0	102.7072700471899
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	62816474.37	62816473.601125
Observation start date	1999-12-29T01:01:14	1999-12-29T01:01:13
Observation end time	62857818.771	62857818.002623
Observation end date	1999-12-29T12:30:19	1999-12-29T12:30:18
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	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2011.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.8902948738486

A.2 Comments

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The focal plane temperature is approximately -110 C 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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