V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 57002 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 9 2012

Contents

1 Front

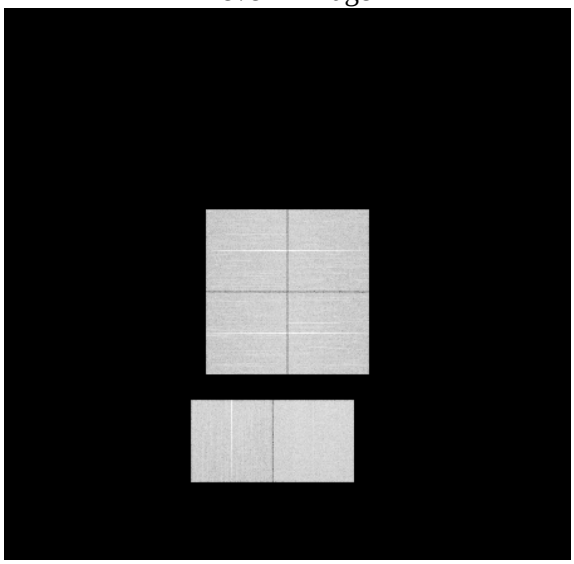
seq_num		Sequence number
obs_id	57002	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	303.03059454305	Nominal RA [deg]
dec_nom	-19.509630195486	Nominal Dec [deg]
roll_nom	105.06570366261	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8249.5999693274	Sum of GTIs [s]
livetime	8145.1385672031	Livetime [s]
ontime0	8249.5999693274	Sum of GTIs [s]
ontime1	8249.5999693274	Sum of GTIs [s]
ontime2	8249.5999693274	Sum of GTIs [s]
ontime3	8249.5999693274	Sum of GTIs [s]
ontime6	8249.5999693274	Sum of GTIs [s]
ontime7	8249.5999693274	Sum of GTIs [s]
l2events	469214	Number of level 2 events

2 OBI

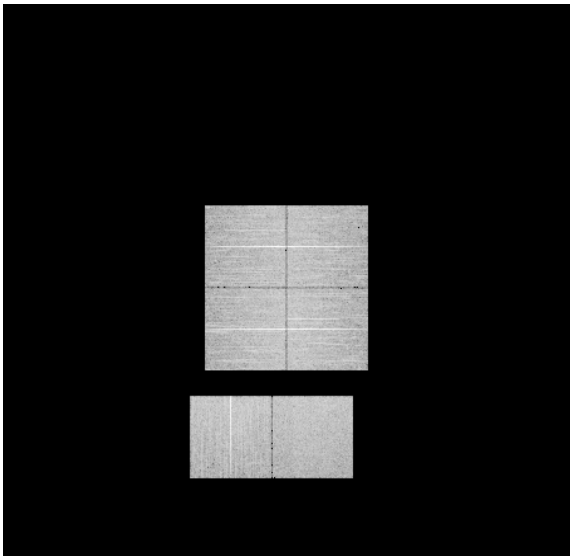
2.1 OBI

2.1.1 Images

Level 1 Image

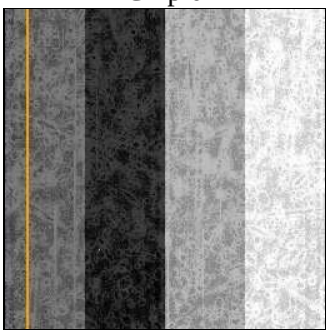


Level 1 Bad Events

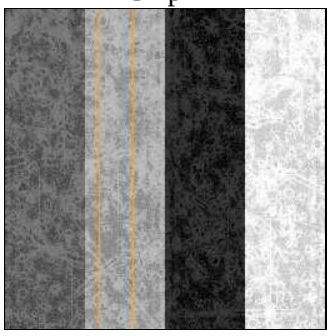


2.1.2 Bias

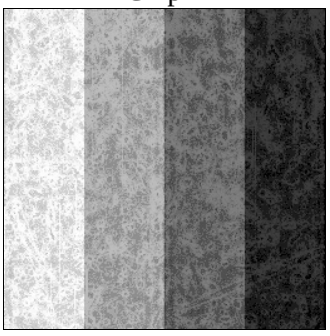
Chip 0



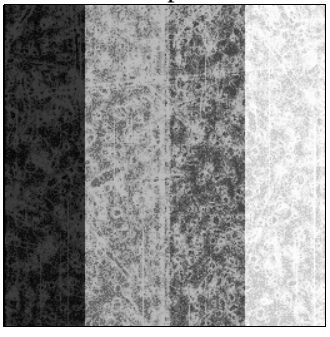
Chip 1



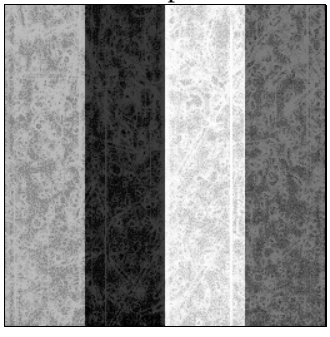
Chip 2



Chip 3



Chip 6



Chip 7

2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.4.5	Processing system revision
caldbver	4.4.10	
date	2012-06-09T10:59:48	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	8249.5999693274	Sum of GTIs [s]
ontime0	8249.5999693274	Sum of GTIs [s]
ontime1	8249.5999693274	Sum of GTIs [s]
ontime2	8249.5999693274	Sum of GTIs [s]
ontime3	8249.5999693274	Sum of GTIs [s]
ontime6	8249.5999693274	Sum of GTIs [s]
ontime7	8249.5999693274	Sum of GTIs [s]
l1events	978378	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	153754	153207	157675	161028	163231	189483
rejected events	77594	76721	82149	84769	85076	75996
rejected %	50%	50%	52%	52%	52%	40%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	41431	39783	42299	42774	40726	20531
	26%	25%	26%	26%	24%	10%
grade 1 events	305	247	339	347	262	141
	0%	0%	0%	0%	0%	0%
grade 2 events	14084	15740	12957	13192	15474	25786
	9%	10%	8%	8%	9%	13%
grade 3 events	5257	5077	5375	5226	4820	10365
	3%	3%	3%	3%	2%	5%
grade 4 events	5107	5047	5292	5435	5252	10273
	3%	3%	3%	3%	3%	5%
grade 5 events	4068	4182	3889	4572	4244	11253
	2%	2%	2%	2%	2%	5%
grade 6 events	11960	12513	11204	11280	13655	49043
	7%	8%	7%	7%	8%	25%
grade 7 events	71542	70618	76320	78202	78798	62091
	46%	46%	48%	48%	48%	32%

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
[deg] Pointing RA	0	303.0305945430511
[deg] Pointing Dec	0	-19.50963019548579
[deg] Pointing Roll	0.0	105.0657036626113
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	362612201.7411	362612201.7411
Observation start date	2009-06-28T21:36:42	2009-06-28T21:36:41
[s] Observation end time (MET)	362622183.632959	362622183.632959
Observation end date	2009-06-29T00:23:04	2009-06-29T00:23:03
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] 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)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2495999693274

A.2 Comments