V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 57013 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 9 2012

Contents

1 Front

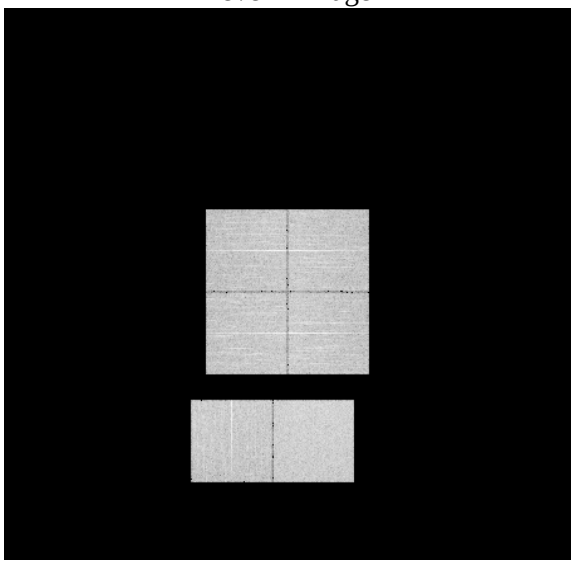
seq_num		Sequence number
obs_id	57013	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	259.98807709843	Nominal RA [deg]
dec_nom	-2.0258537410139	Nominal Dec [deg]
roll_nom	212.43378378682	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3161.5999882817	Sum of GTIs [s]
livetime	3121.5659055431	Livetime [s]
ontime0	3161.5999882817	Sum of GTIs [s]
ontime1	3161.5999882817	Sum of GTIs [s]
ontime2	3161.5999882817	Sum of GTIs [s]
ontime3	3161.5999882817	Sum of GTIs [s]
ontime6	3161.5999882817	Sum of GTIs [s]
ontime7	3161.5999882817	Sum of GTIs [s]
l2events	182002	Number of level 2 events

2 OBI

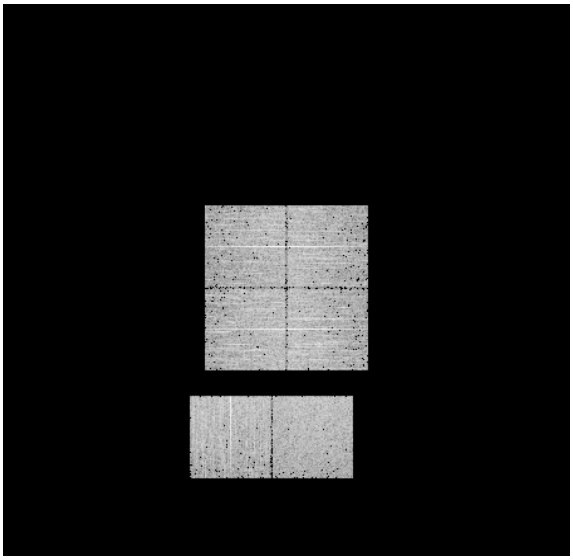
2.1 OBI

2.1.1 Images

Level 1 Image

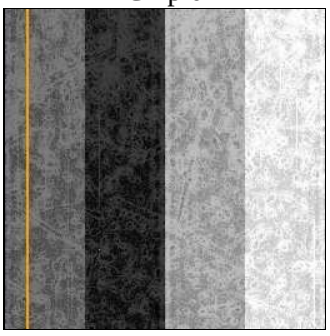


Level 1 Bad Events

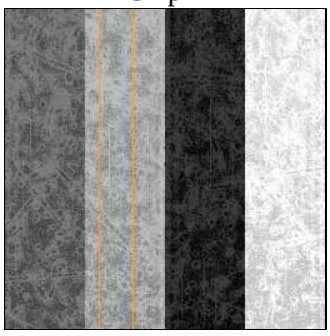


2.1.2 Bias

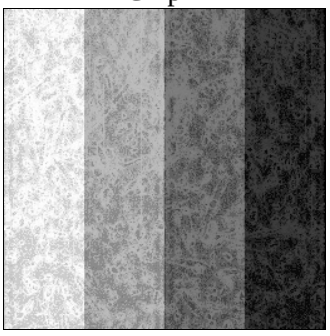
Chip 0



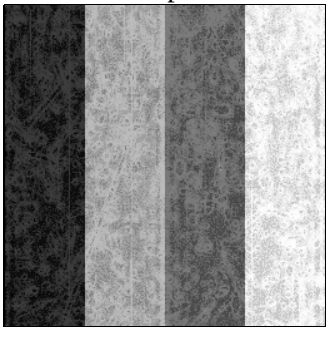
Chip 1



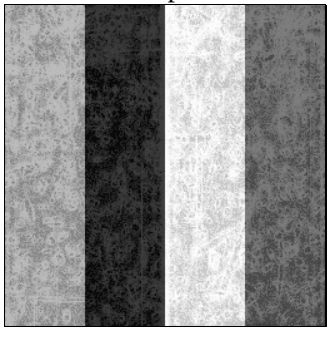
Chip 2



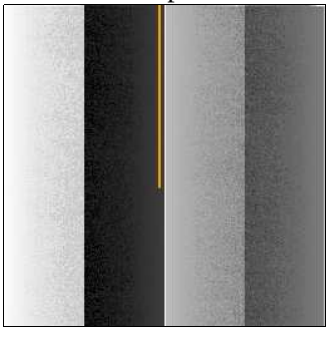
Chip 3



Chip 6



Chip 7



2.1.3 Parameters

obi_num	1	Obi number
ascdsver	8.4.5	Processing system revision
caldbver	4.4.10	
date	2012-06-09T09:55:26	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	3161.5999882817	Sum of GTIs [s]
ontime0	3161.5999882817	Sum of GTIs [s]
ontime1	3161.5999882817	Sum of GTIs [s]
ontime2	3161.5999882817	Sum of GTIs [s]
ontime3	3161.5999882817	Sum of GTIs [s]
ontime6	3161.5999882817	Sum of GTIs [s]
ontime7	3161.5999882817	Sum of GTIs [s]
l1events	375766	Number of level 1 events

2.1.4 Events

	ccd 0	**ccd 1**	**ccd 2**	**ccd 3**	**ccd 6**	**ccd 7**
level 1 events	57472	59139	61182	61966	62840	73167
rejected events	28558	29516	31597	32360	32187	29120
rejected %	49%	49%	51%	52%	51%	39%

	ccd 0	**ccd 1**	**ccd 2**	**ccd 3**	**ccd 6**	**ccd 7**
grade 0 events	15979	16329	16706	16829	16656	8383
	27%	27%	27%	27%	26%	11%
grade 1 events	135	84	130	131	100	53
	0%	0%	0%	0%	0%	0%
grade 2 events	5309	5756	5413	5286	5582	9891
	9%	9%	8%	8%	8%	13%
grade 3 events	2046	2027	2095	2095	2127	4348
	3%	3%	3%	3%	3%	5%
grade 4 events	1971	2030	2052	2089	2047	4197
	3%	3%	3%	3%	3%	5%
grade 5 events	1600	1723	1534	1752	1753	4503
	2%	2%	2%	2%	2%	6%
grade 6 events	4626	4609	4362	4345	5312	18807
	8%	7%	7%	7%	8%	25%
grade 7 events	25806	26581	28890	29439	29263	22985
	44%	44%	47%	47%	46%	31%

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	259.9880770984292
[deg] Pointing Dec	0	-2.025853741013876
[deg] Pointing Roll	0.0	212.4337837868228
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
[mm] SIM translation stage pos	250.4635187649	250.4635187649
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381
[s] Observation start time (MET)	362345769.377788	362345769.377788
Observation start date	2009-06-25T19:36:09	2009-06-25T19:36:09
[s] Observation end time (MET)	362350317.608735	362350317.608735
Observation end date	2009-06-25T20:51:58	2009-06-25T20:51:57
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	3.1615999882817

A.2 Comments