V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 56446 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 21 2012

Contents

1 Front

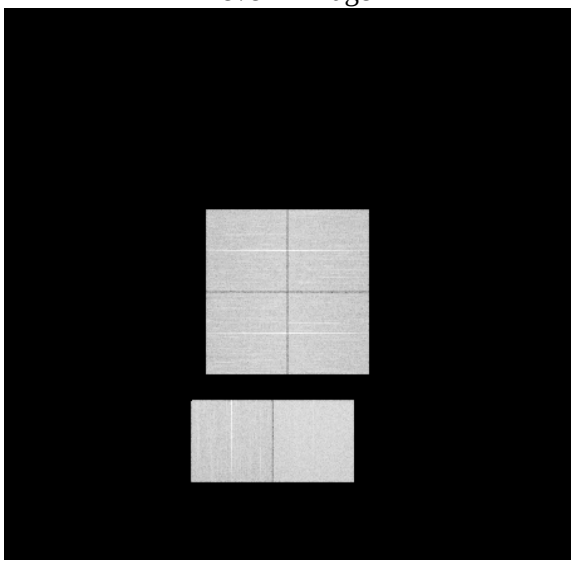
seq_num		Sequence number
obs_id	56446	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	125.00987986427	Nominal RA [deg]
dec_nom	19.972833473137	Nominal Dec [deg]
roll_nom	255.97988227207	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8246.3999693394	Sum of GTIs [s]
livetime	8141.9790875417	Livetime [s]
ontime0	8246.3999693394	Sum of GTIs [s]
ontime1	8246.3999693394	Sum of GTIs [s]
ontime2	8246.3999693394	Sum of GTIs [s]
ontime3	8246.3999693394	Sum of GTIs [s]
ontime6	8246.3999693394	Sum of GTIs [s]
ontime7	8246.3999693394	Sum of GTIs [s]
l2events	417849	Number of level 2 events

2 OBI

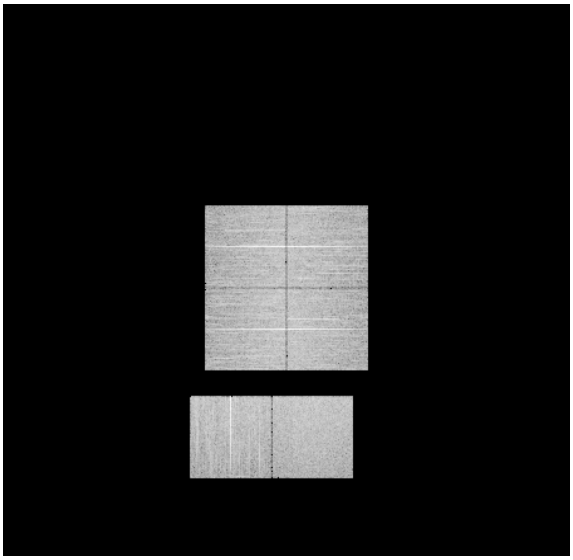
2.1 OBI

2.1.1 Images

Level 1 Image

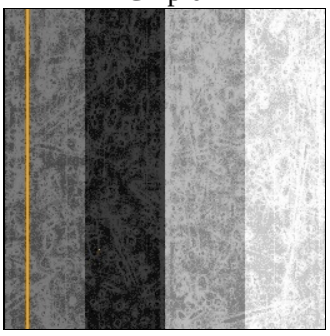


Level 1 Bad Events

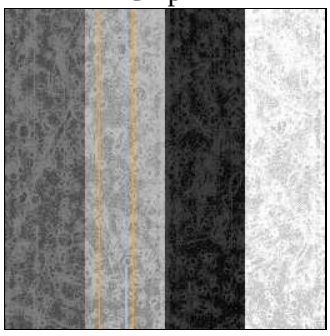


2.1.2 Bias

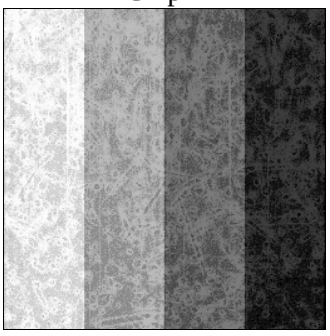
Chip 0



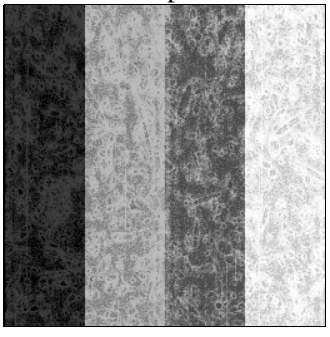
Chip 1



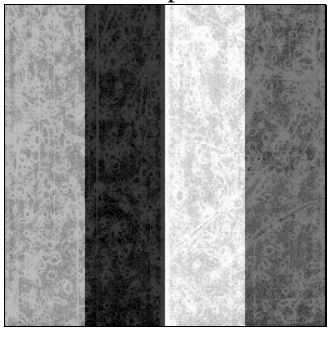
Chip 2



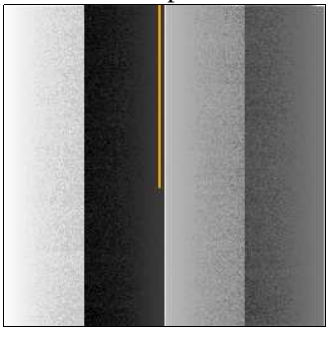
Chip 3



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	2012-06-21T15:51:49	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	8246.3999693394	Sum of GTIs [s]
ontime0	8246.3999693394	Sum of GTIs [s]
ontime1	8246.3999693394	Sum of GTIs [s]
ontime2	8246.3999693394	Sum of GTIs [s]
ontime3	8246.3999693394	Sum of GTIs [s]
ontime6	8246.3999693394	Sum of GTIs [s]
ontime7	8246.3999693394	Sum of GTIs [s]
l1events	860895	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	133496	135275	138398	138388	140597	174741
rejected events	66918	68335	71810	71122	71254	69543
rejected %	50%	50%	51%	51%	50%	39%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	35321	34782	36036	36658	35958	18743
	26%	25%	26%	26%	25%	10%
grade 1 events	272	239	299	282	228	157
	0%	0%	0%	0%	0%	0%
grade 2 events	12220	12617	11835	11737	12540	22840
	9%	9%	8%	8%	8%	13%
grade 3 events	4510	4608	4556	4713	4560	9751
	3%	3%	3%	3%	3%	5%
grade 4 events	4550	4440	4502	4451	4506	9660
	3%	3%	3%	3%	3%	5%
grade 5 events	4062	4303	3820	4436	4350	11249
	3%	3%	2%	3%	3%	6%
grade 6 events	10003	10526	9696	9707	11806	44204
	7%	7%	7%	7%	8%	25%
grade 7 events	62558	63760	67654	66404	66649	58137
	46%	47%	48%	47%	47%	33%

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	125.0098798642688
[deg] Pointing Dec	0	19.97283347313675
[deg] Pointing Roll	0.0	255.9798822720699
[mm] SIM focus pos	-1.429586	-1.038866356238299
[mm] SIM defocus	0.1037507710433287	0.4944702831659975
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	382674913.150871	382674912.12588
Observation start date	2010-02-16T02:35:13	2010-02-16T02:35:12
[s] Observation end time (MET)	382711856.202744	382711855.17775
Observation end date	2010-02-16T12:50:56	2010-02-16T12:50:55
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2463999693394

A.2 Comments