V&V Reference Report
L2 ASCDS Version : 8.4.3

Observation 55523 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 8 2012

Contents

1 Front

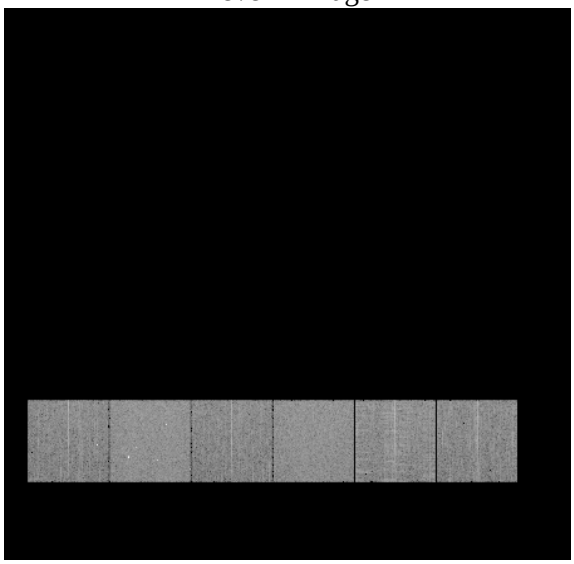
seq_num		Sequence number
obs_id	55523	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	177.20182063251	Nominal RA [deg]
dec_nom	3.9424434287591	Nominal Dec [deg]
roll_nom	241.74215645895	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3145.5999883413	Sum of GTIs [s]
livetime	3105.768507236	Livetime [s]
ontime4	3145.5999883413	Sum of GTIs [s]
ontime5	3145.5999883413	Sum of GTIs [s]
ontime6	3145.5999883413	Sum of GTIs [s]
ontime7	3145.5999883413	Sum of GTIs [s]
ontime8	3145.5999883413	Sum of GTIs [s]
ontime9	3145.5999883413	Sum of GTIs [s]
l2events	133795	Number of level 2 events

2 OBI

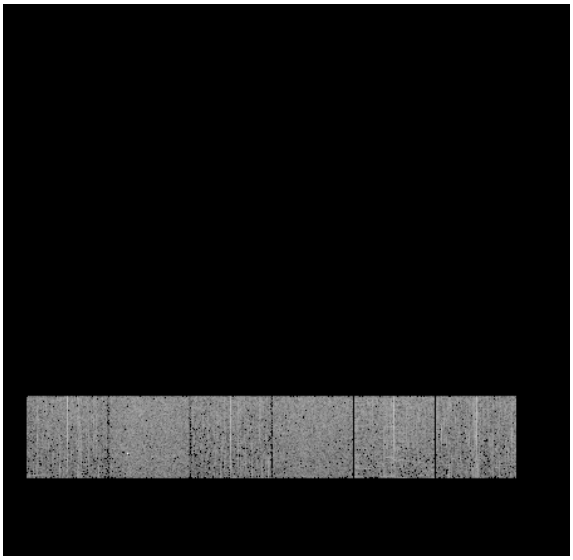
2.1 OBI

2.1.1 Images

Level 1 Image

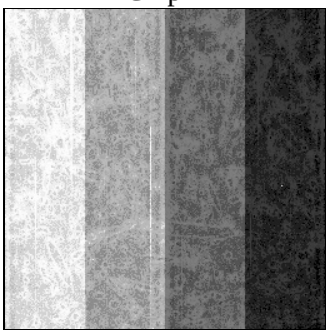


Level 1 Bad Events

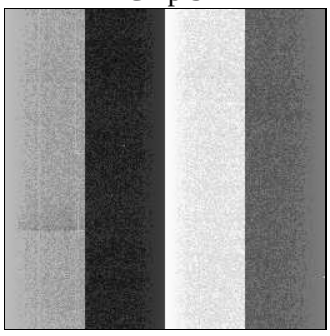


2.1.2 Bias

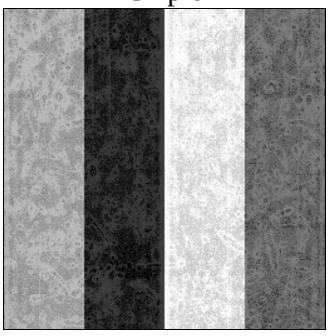
Chip 4



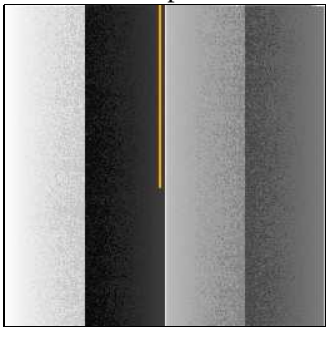
Chip 5



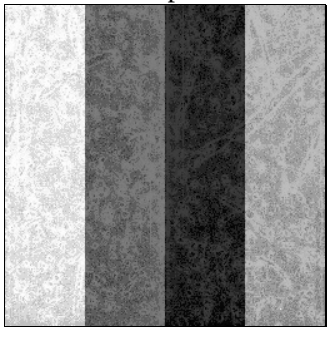
Chip 6



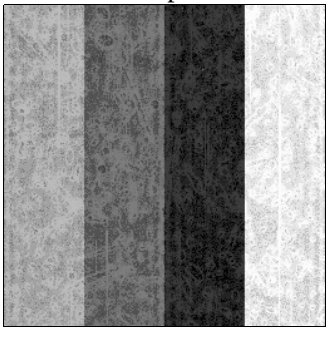
Chip 7



Chip 8



Chip 9



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.4.3	Processing system revision
caldbver	4.4.7	
date	2012-02-08T05:47:28	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	3145.5999883413	Sum of GTIs [s]
ontime4	3145.5999883413	Sum of GTIs [s]
ontime5	3145.5999883413	Sum of GTIs [s]
ontime6	3145.5999883413	Sum of GTIs [s]
ontime7	3145.5999883413	Sum of GTIs [s]
ontime8	3145.5999883413	Sum of GTIs [s]
ontime9	3145.5999883413	Sum of GTIs [s]
l1events	295354	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	43173	57633	43195	54626	52351	44376
rejected events	23523	25735	22993	23837	27485	24631
rejected %	54%	44%	53%	43%	52%	55%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	11903	4538	10805	5595	12343	10718
	27%	7%	25%	10%	23%	24%
grade 1 events	112	69	76	44	88	64
	0%	0%	0%	0%	0%	0%
grade 2 events	3188	11886	3848	7061	4884	3623
	7%	20%	8%	12%	9%	8%
grade 3 events	1366	1405	1432	2979	1967	1416
	3%	2%	3%	5%	3%	3%
grade 4 events	1386	1372	1334	2904	2035	1484
	3%	2%	3%	5%	3%	3%
grade 5 events	1372	3230	1451	3598	1883	1584
	3%	5%	3%	6%	3%	3%
grade 6 events	2692	14046	3681	13608	4755	3395
	6%	24%	8%	24%	9%	7%
grade 7 events	21154	21087	20568	18837	24396	22092
	48%	36%	47%	34%	46%	49%

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
[deg] Pointing RA	0	177.201820632511
[deg] Pointing Dec	0	3.942443428759053
[deg] Pointing Roll	0.0	241.7421564589507
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	419010695.564748	419010695.564748
Observation start date	2011-04-12T15:51:36	2011-04-12T15:51:35
[s] Observation end time (MET)	419015243.585834	419015243.585834
Observation end date	2011-04-12T17:07:24	2011-04-12T17:07:23
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)	2012.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1455999883413

A.2 Comments