V&V Reference Report
L2 ASCDS Version : 8.4.4

Observation 57479 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 24 2012

Contents

1 Front

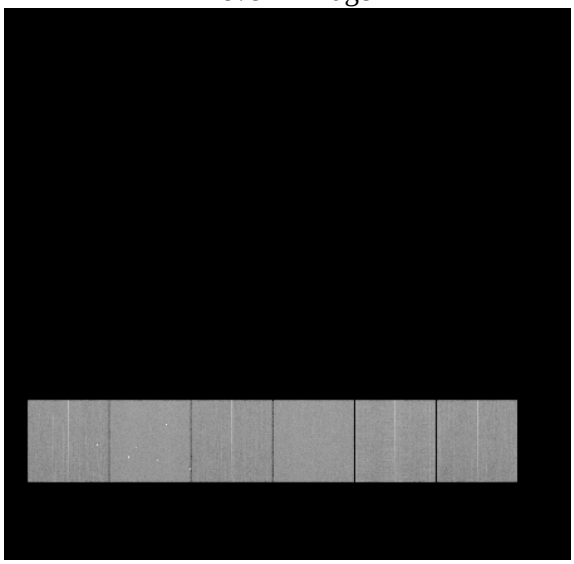
seq_num		Sequence number
obs_id	57479	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	82.965516821124	Nominal RA [deg]
dec_nom	38.009268744272	Nominal Dec [deg]
roll_nom	128.31523641951	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999692321	Sum of GTIs [s]
livetime	8170.4144044945	Livetime [s]
ontime4	8275.1999692321	Sum of GTIs [s]
ontime5	8275.1999692321	Sum of GTIs [s]
ontime6	8271.9589490294	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
ontime8	8275.1999692321	Sum of GTIs [s]
ontime9	8275.1999692321	Sum of GTIs [s]
l2events	566873	Number of level 2 events

2 OBI

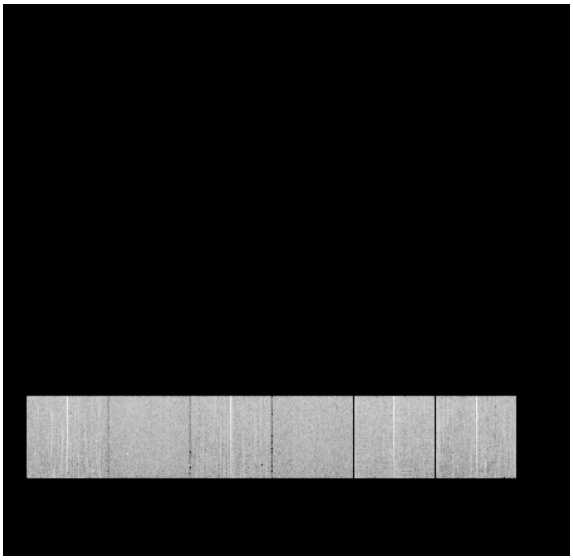
2.1 OBI

2.1.1 Images

Level 1 Image

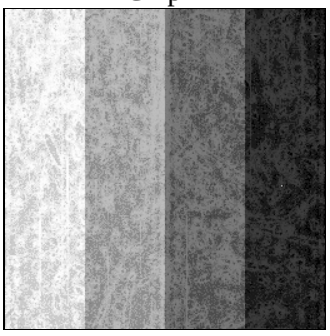


Level 1 Bad Events

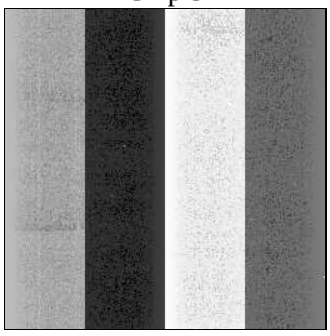


2.1.2 Bias

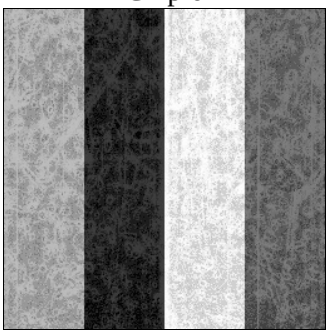
Chip 4



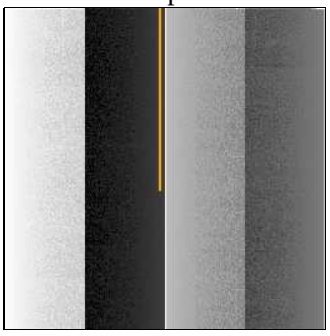
Chip 5



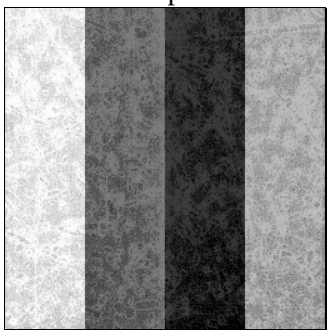
Chip 6



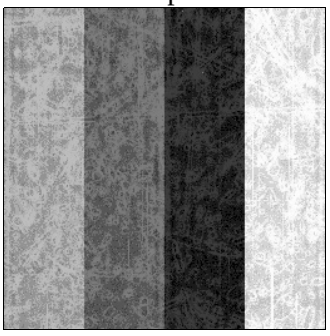
Chip 7



Chip 8



Chip 9



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.4.4	Processing system revision
caldbver	4.4.9	
date	2012-05-24T17:37:35	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	8275.1999692321	Sum of GTIs [s]
ontime4	8275.1999692321	Sum of GTIs [s]
ontime5	8275.1999692321	Sum of GTIs [s]
ontime6	8271.9589490294	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
ontime8	8275.1999692321	Sum of GTIs [s]
ontime9	8275.1999692321	Sum of GTIs [s]
l1events	1081589	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	169288	196744	168841	191099	188922	166695
rejected events	82731	72523	78217	67324	84745	78646
rejected %	48%	36%	46%	35%	44%	47%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	49872	20322	47721	23970	51855	47394
	29%	10%	28%	12%	27%	28%
grade 1 events	513	242	324	140	374	381
	0%	0%	0%	0%	0%	0%
grade 2 events	13803	44136	16218	26687	19554	15415
	8%	22%	9%	13%	10%	9%
grade 3 events	5920	5987	5898	11757	7562	5810
	3%	3%	3%	6%	4%	3%
grade 4 events	5808	5752	5773	11465	7318	5793
	3%	2%	3%	5%	3%	3%
grade 5 events	4173	9920	4372	11154	5714	4898
	2%	5%	2%	5%	3%	2%
grade 6 events	11189	48024	15014	49896	17931	13637
	6%	24%	8%	26%	9%	8%
grade 7 events	78010	62361	73521	56030	78614	73367
	46%	31%	43%	29%	41%	44%

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	82.965516821124
[deg] Pointing Dec	0	38.00926874427211
[deg] Pointing Roll	0.0	128.3152364195108
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	344096873.4715	344096872.4465
Observation start date	2008-11-26T14:27:53	2008-11-26T14:27:52
[s] Observation end time (MET)	344119860.122634	344119859.09763
Observation end date	2008-11-26T20:51:00	2008-11-26T20:50:59
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999692321

A.2 Comments