V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 61626 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Oct 18 2012

Contents

1 Front

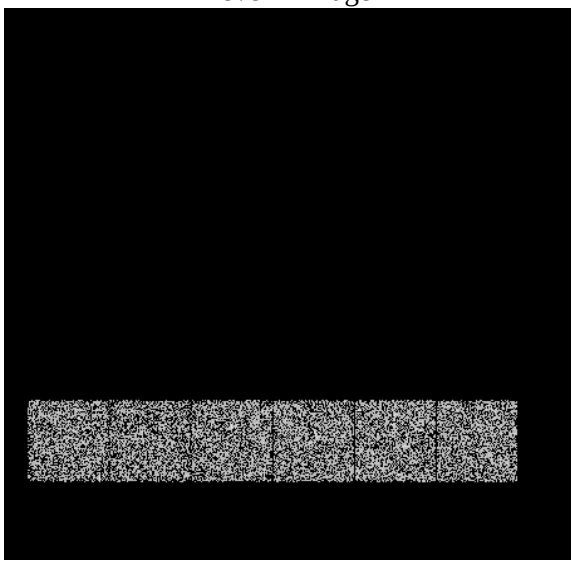
seq_num		Sequence number
obs_id	61626	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	259.97764882646	Nominal RA [deg]
dec_nom	-14.981064923213	Nominal Dec [deg]
roll_nom	106.13137571768	Nominal Roll [deg]
revision	4	Processing version of data
ontime	50.001678422093	Sum of GTIs [s]
livetime	49.368527062517	Livetime [s]
ontime4	49.878558427095	Sum of GTIs [s]
ontime5	49.960638418794	Sum of GTIs [s]
ontime6	49.919598430395	Sum of GTIs [s]
ontime7	50.001678422093	Sum of GTIs [s]
ontime8	49.837518423796	Sum of GTIs [s]
ontime9	50.042718425393	Sum of GTIs [s]
l2events	17555	Number of level 2 events

2 OBI

2.1 OBI

2.1.1 Images

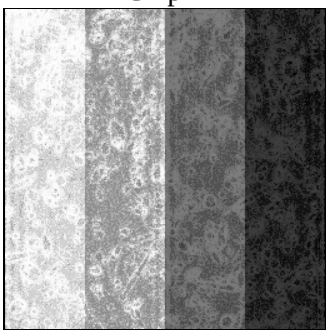
Level 1 Image



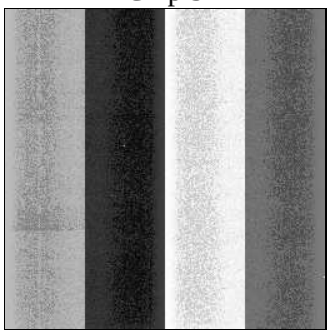
Level 1 Bad Events

2.1.2 Bias

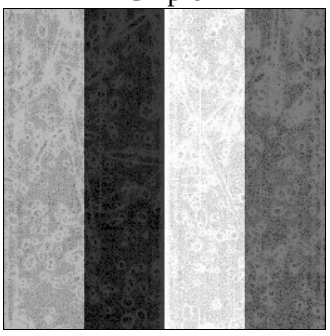
Chip 4



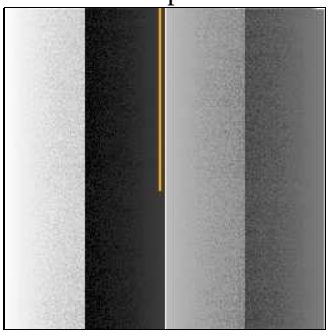
Chip 5



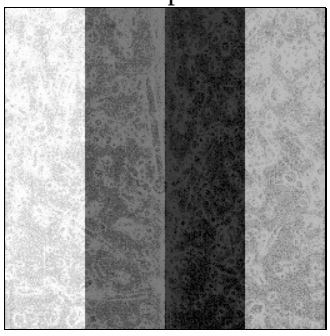
Chip 6



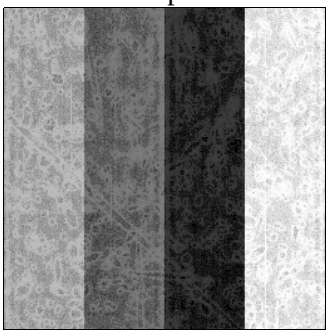
Chip 7



Chip 8



Chip 9



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.4.5	Processing system revision
caldbver	4.5.2	
date	2012-10-18T17:34:59	Date and time of file creation
revision	4	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	50.001678422093	Sum of GTIs [s]
ontime4	49.878558427095	Sum of GTIs [s]
ontime5	49.960638418794	Sum of GTIs [s]
ontime6	49.919598430395	Sum of GTIs [s]
ontime7	50.001678422093	Sum of GTIs [s]
ontime8	49.837518423796	Sum of GTIs [s]
ontime9	50.042718425393	Sum of GTIs [s]
l1events	22130	Number of level 1 events

2.1.4 Events

	ccd 4	**ccd 5**	**ccd 6**	**ccd 7**	**ccd 8**	**ccd 9**
level 1 events	3591	3449	3741	3731	3879	3739
rejected events	637	601	594	517	647	554
rejected %	17%	17%	15%	13%	16%	14%

	ccd 4	**ccd 5**	**ccd 6**	**ccd 7**	**ccd 8**	**ccd 9**
grade 0 events	1815	762	1774	860	1867	1800
	50%	22%	47%	23%	48%	48%
grade 1 events	11	3	13	1	8	5
	0%	0%	0%	0%	0%	0%
grade 2 events	551	1059	636	736	590	582
	15%	30%	17%	19%	15%	15%
grade 3 events	198	176	196	346	213	254
	5%	5%	5%	9%	5%	6%
grade 4 events	189	205	212	349	216	209
	5%	5%	5%	9%	5%	5%
grade 5 events	28	74	36	54	39	30
	0%	2%	0%	1%	1%	0%
grade 6 events	400	836	544	1114	537	539
	11%	24%	14%	29%	13%	14%
grade 7 events	399	334	330	271	409	320
	11%	9%	8%	7%	10%	8%

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	259.9776488264552
[deg] Pointing Dec	0	-14.98106492321345
[deg] Pointing Roll	0.0	106.1313757176804
[mm] SIM focus pos	-0.684267	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	106712488.522	106712487.75308
Observation start date	2001-05-20T02:21:29	2001-05-20T02:21:27
[s] Observation end time (MET)	106726772.922	106726772.15363
Observation end date	2001-05-20T06:19:33	2001-05-20T06:19:32
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	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)	2013.01.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.050001678422093

A.2 Comments