V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 56890 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 11 2012

Contents

1 Front

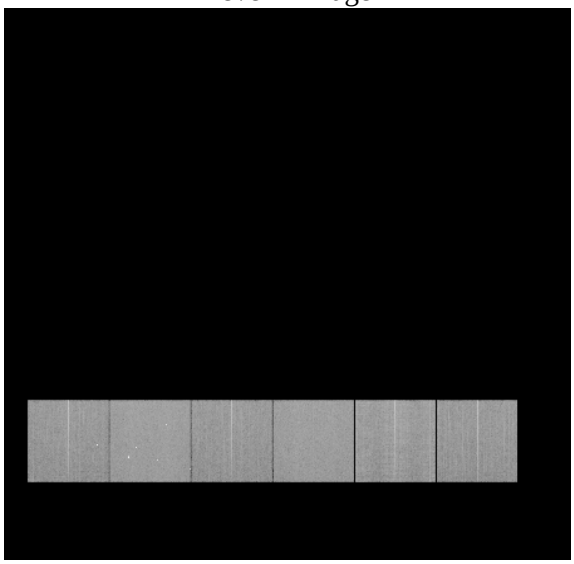
seq_num		Sequence number
obs_id	56890	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	330.04376377386	Nominal RA [deg]
dec_nom	-59.981399867024	Nominal Dec [deg]
roll_nom	7.486192996663	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8270.6375911832	Sum of GTIs [s]
livetime	8165.9097980236	Livetime [s]
ontime4	8270.5144711733	Sum of GTIs [s]
ontime5	8270.5965511799	Sum of GTIs [s]
ontime6	8270.5555111766	Sum of GTIs [s]
ontime7	8270.6375911832	Sum of GTIs [s]
ontime8	8270.47343117	Sum of GTIs [s]
ontime9	8270.6786311865	Sum of GTIs [s]
l2events	504513	Number of level 2 events

2 OBI

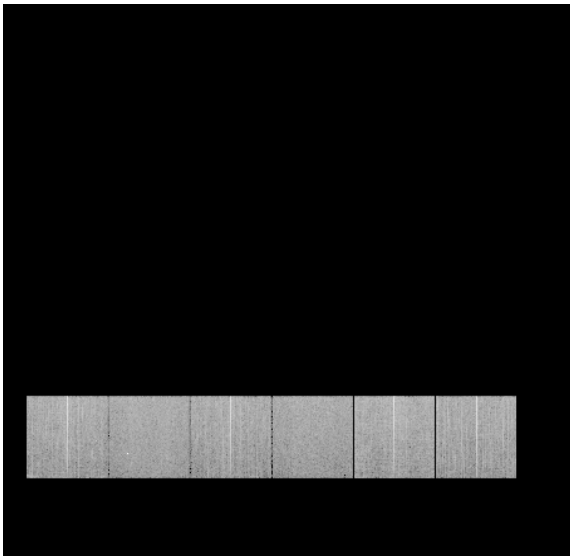
2.1 OBI

2.1.1 Images

Level 1 Image

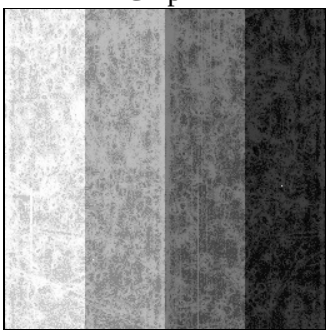


Level 1 Bad Events

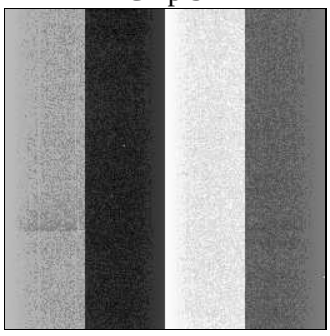


2.1.2 Bias

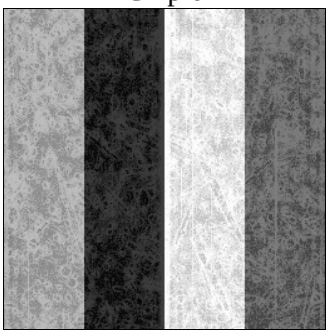
Chip 4



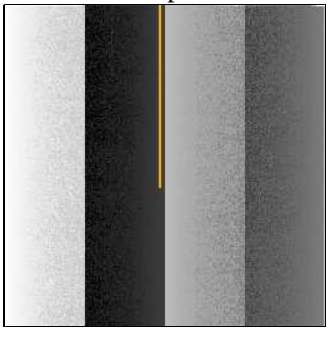
Chip 5



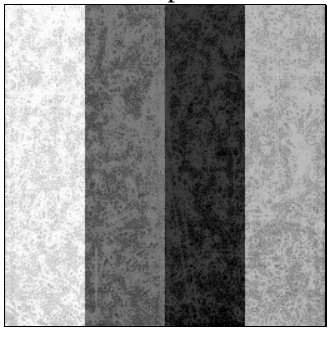
Chip 6



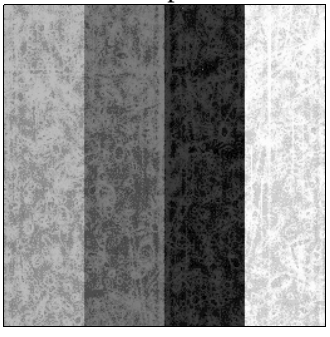
Chip 7



Chip 8



Chip 9



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.4.5	Processing system revision
caldbver	4.4.10	
date	2012-06-12T02:23:17	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	8270.6375911832	Sum of GTIs [s]
ontime4	8270.5144711733	Sum of GTIs [s]
ontime5	8270.5965511799	Sum of GTIs [s]
ontime6	8270.5555111766	Sum of GTIs [s]
ontime7	8270.6375911832	Sum of GTIs [s]
ontime8	8270.47343117	Sum of GTIs [s]
ontime9	8270.6786311865	Sum of GTIs [s]
l1events	1044279	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	160641	193837	159216	185921	184227	160437
rejected events	85965	76983	81229	71943	90504	84507
rejected %	53%	39%	51%	38%	49%	52%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	42594	17014	40807	20467	45023	40381
	26%	8%	25%	11%	24%	25%
grade 1 events	452	257	269	170	309	354
	0%	0%	0%	0%	0%	0%
grade 2 events	12091	41399	14053	24675	17890	13249
	7%	21%	8%	13%	9%	8%
grade 3 events	5203	5341	5046	10544	6938	5197
	3%	2%	3%	5%	3%	3%
grade 4 events	5107	5166	5208	10590	6711	5126
	3%	2%	3%	5%	3%	3%
grade 5 events	4468	10276	4642	11440	6015	5168
	2%	5%	2%	6%	3%	3%
grade 6 events	9681	47934	12873	47702	17161	11977
	6%	24%	8%	25%	9%	7%
grade 7 events	81045	66450	76318	60333	84180	78985
	50%	34%	47%	32%	45%	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	330.0437637738635
[deg] Pointing Dec	0	-59.9813998670236
[deg] Pointing Roll	0.0	7.486192996662965
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	366682237.094781	366682236.06979
Observation start date	2009-08-15T00:10:37	2009-08-15T00:10:36
[s] Observation end time (MET)	366709297.096135	366709296.07114
Observation end date	2009-08-15T07:41:37	2009-08-15T07:41:36
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)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2706375911832

A.2 Comments