V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 56590 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 18 2012

Contents

1 Front

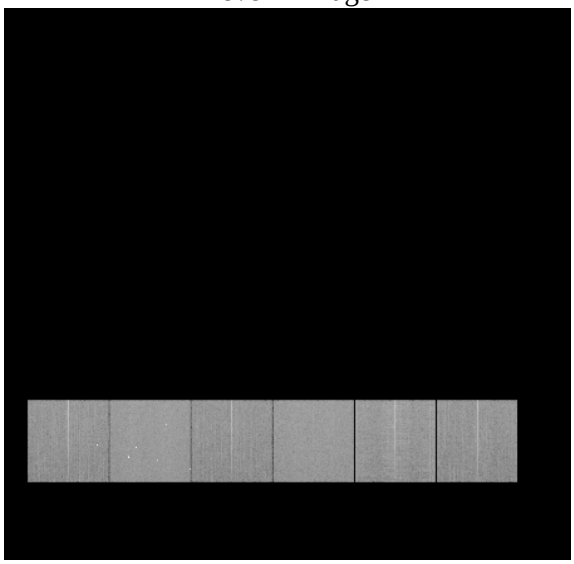
seq_num		Sequence number
obs_id	56590	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	70.429909993061	Nominal RA [deg]
dec_nom	42.794152169467	Nominal Dec [deg]
roll_nom	205.07935760284	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7817.5999709368	Sum of GTIs [s]
livetime	7718.6088129112	Livetime [s]
ontime4	7817.5999709368	Sum of GTIs [s]
ontime5	7817.5999709368	Sum of GTIs [s]
ontime6	7817.5999709368	Sum of GTIs [s]
ontime7	7817.5999709368	Sum of GTIs [s]
ontime8	7817.5999709368	Sum of GTIs [s]
ontime9	7817.5999709368	Sum of GTIs [s]
l2events	449802	Number of level 2 events

2 OBI

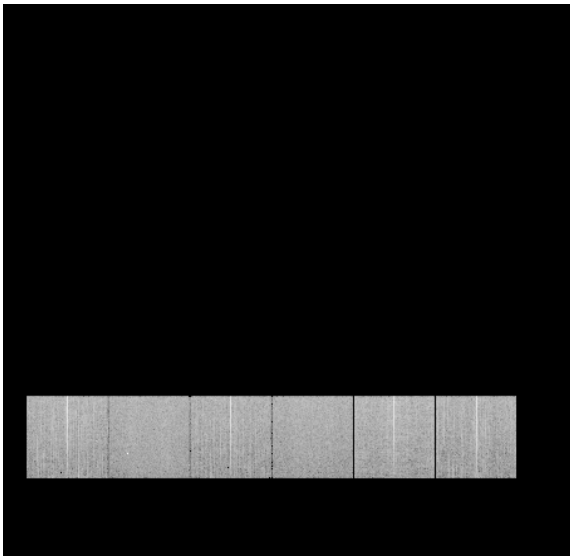
2.1 OBI

2.1.1 Images

Level 1 Image

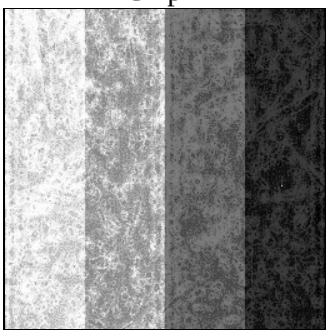


Level 1 Bad Events

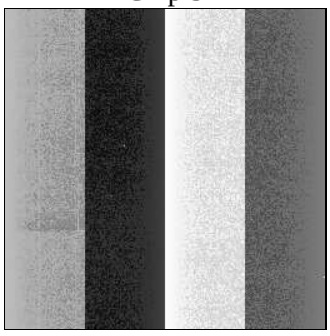


2.1.2 Bias

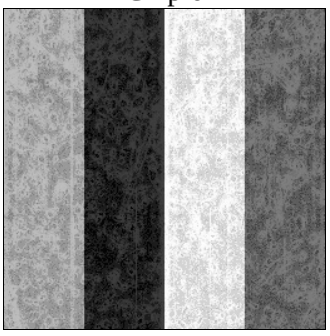
Chip 4



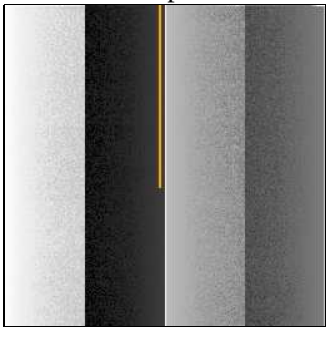
Chip 5



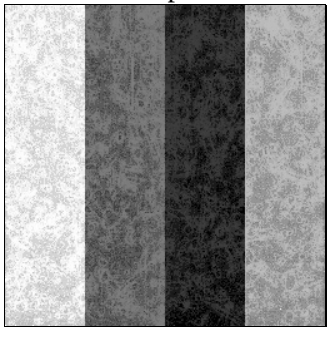
Chip 6



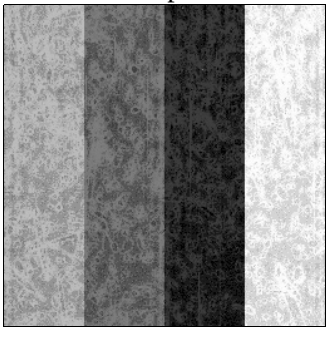
Chip 7



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	2012-06-18T07:27:27	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	7817.5999709368	Sum of GTIs [s]
ontime4	7817.5999709368	Sum of GTIs [s]
ontime5	7817.5999709368	Sum of GTIs [s]
ontime6	7817.5999709368	Sum of GTIs [s]
ontime7	7817.5999709368	Sum of GTIs [s]
ontime8	7817.5999709368	Sum of GTIs [s]
ontime9	7817.5999709368	Sum of GTIs [s]
l1events	969816	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	150257	183066	145034	176291	169731	145437
rejected events	84544	75452	77379	72580	86787	79285
rejected %	56%	41%	53%	41%	51%	54%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	38165	16259	35909	18817	40508	35666
	25%	8%	24%	10%	23%	24%
grade 1 events	360	260	230	171	307	291
	0%	0%	0%	0%	0%	0%
grade 2 events	10682	38560	12488	23002	16082	11800
	7%	21%	8%	13%	9%	8%
grade 3 events	4520	4735	4475	9764	6385	4666
	3%	2%	3%	5%	3%	3%
grade 4 events	4669	4650	4420	9545	6218	4523
	3%	2%	3%	5%	3%	3%
grade 5 events	4340	9836	4376	11250	5906	4849
	2%	5%	3%	6%	3%	3%
grade 6 events	8798	45371	11567	44494	15255	10645
	5%	24%	7%	25%	8%	7%
grade 7 events	78723	63395	71569	59248	79070	72997
	52%	34%	49%	33%	46%	50%

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	70.42990999306141
[deg] Pointing Dec	0	42.79415216946676
[deg] Pointing Roll	0.0	205.0793576028362
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	377233435.925491	377233435.925491
Observation start date	2009-12-15T03:03:56	2009-12-15T03:03:55
[s] Observation end time (MET)	377241741.89474	377241741.89474
Observation end date	2009-12-15T05:22:22	2009-12-15T05:22:21
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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8175999709368

A.2 Comments