V&V Reference Report
L2 ASCDS Version : 8.4.4

Observation 57605 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 21 2012

Contents

1 Front

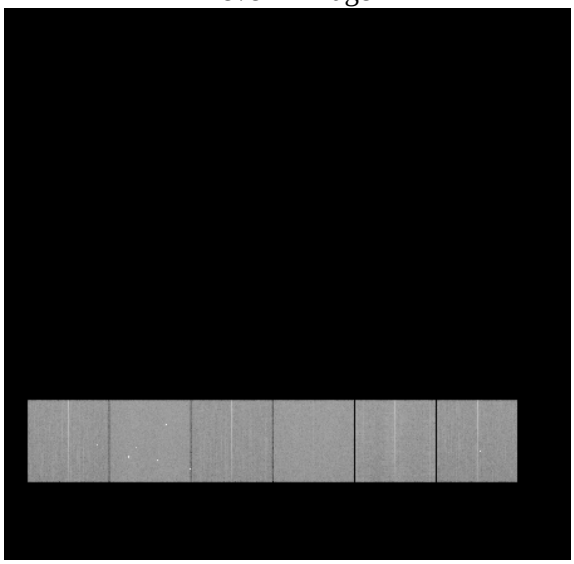
seq_num		Sequence number
obs_id	57605	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	333.9989565481	Nominal RA [deg]
dec_nom	12.071306310233	Nominal Dec [deg]
roll_nom	235.11537978441	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8166.3999696374	Sum of GTIs [s]
livetime	8062.9920960061	Livetime [s]
ontime4	8166.3999696374	Sum of GTIs [s]
ontime5	8166.3999696374	Sum of GTIs [s]
ontime6	8163.1589593887	Sum of GTIs [s]
ontime7	8166.3999696374	Sum of GTIs [s]
ontime8	8166.3999696374	Sum of GTIs [s]
ontime9	8166.3999696374	Sum of GTIs [s]
l2events	587651	Number of level 2 events

2 OBI

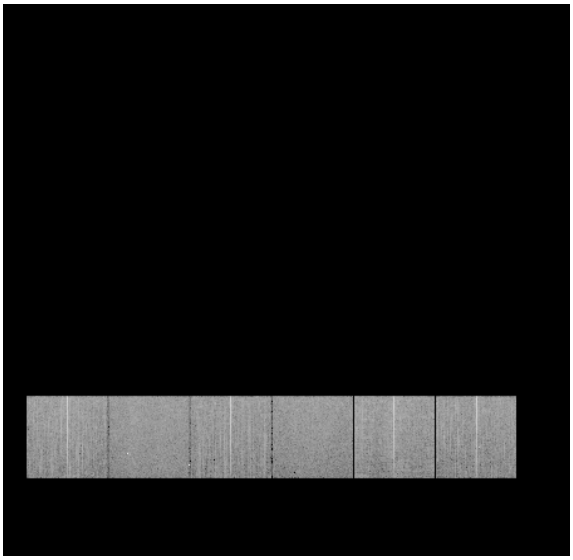
2.1 OBI

2.1.1 Images

Level 1 Image

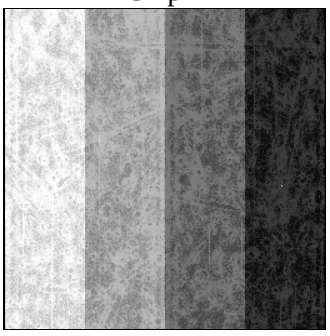


Level 1 Bad Events

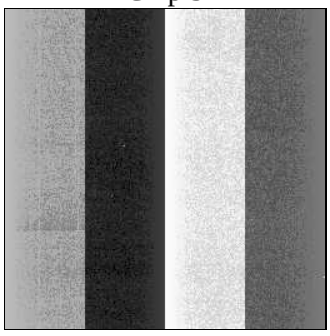


2.1.2 Bias

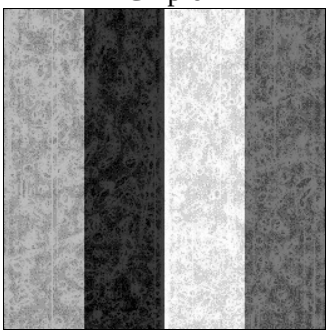
Chip 4



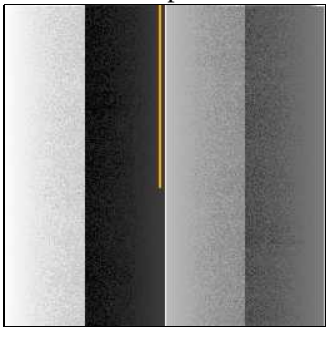
Chip 5



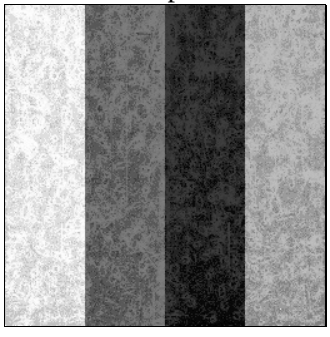
Chip 6



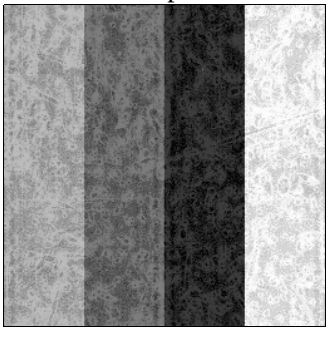
Chip 7



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	2012-05-21T10:25:25	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	8166.3999696374	Sum of GTIs [s]
ontime4	8166.3999696374	Sum of GTIs [s]
ontime5	8166.3999696374	Sum of GTIs [s]
ontime6	8163.1589593887	Sum of GTIs [s]
ontime7	8166.3999696374	Sum of GTIs [s]
ontime8	8166.3999696374	Sum of GTIs [s]
ontime9	8166.3999696374	Sum of GTIs [s]
l1events	1110558	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	174606	201719	173652	195885	192583	172113
rejected events	85329	74308	78882	69180	84551	78434
rejected %	48%	36%	45%	35%	43%	45%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	51110	22414	50818	24900	54842	51176
	29%	11%	29%	12%	28%	29%
grade 1 events	518	790	345	177	347	402
	0%	0%	0%	0%	0%	0%
grade 2 events	14618	45352	16760	28032	20011	16317
	8%	22%	9%	14%	10%	9%
grade 3 events	6312	6127	6163	11877	7823	6372
	3%	3%	3%	6%	4%	3%
grade 4 events	6189	6187	6070	11903	7428	6237
	3%	3%	3%	6%	3%	3%
grade 5 events	4298	10064	4398	11067	5641	4886
	2%	4%	2%	5%	2%	2%
grade 6 events	12118	48963	16159	51579	19331	14753
	6%	24%	9%	26%	10%	8%
grade 7 events	79443	61822	72939	56350	77160	71970
	45%	30%	42%	28%	40%	41%

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	333.9989565480956
[deg] Pointing Dec	0	12.07130631023339
[deg] Pointing Roll	0.0	235.1153797844142
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	337926590.467399	337926589.44241
Observation start date	2008-09-16T04:29:50	2008-09-16T04:29:49
[s] Observation end time (MET)	337949089.218505	337949088.19352
Observation end date	2008-09-16T10:44:49	2008-09-16T10:44:48
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)	2012.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1663999696374

A.2 Comments