V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 56490 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 20 2012

Contents

1 Front

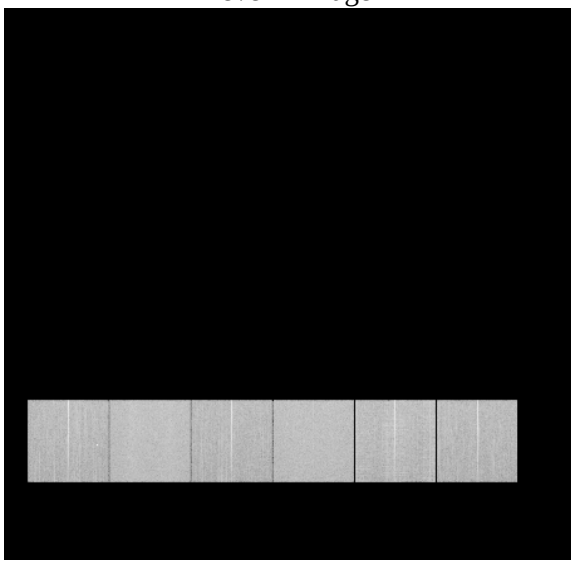
seq_num		Sequence number
obs_id	56490	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	104.02630174452	Nominal RA [deg]
dec_nom	6.988059410843	Nominal Dec [deg]
roll_nom	302.56463407942	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8073.5999699831	Sum of GTIs [s]
livetime	7971.3671858249	Livetime [s]
ontime4	8073.5999699831	Sum of GTIs [s]
ontime5	8073.5999699831	Sum of GTIs [s]
ontime6	8073.5999699831	Sum of GTIs [s]
ontime7	8073.5999699831	Sum of GTIs [s]
ontime8	8073.5999699831	Sum of GTIs [s]
ontime9	8073.5999699831	Sum of GTIs [s]
l2events	447877	Number of level 2 events

2 OBI

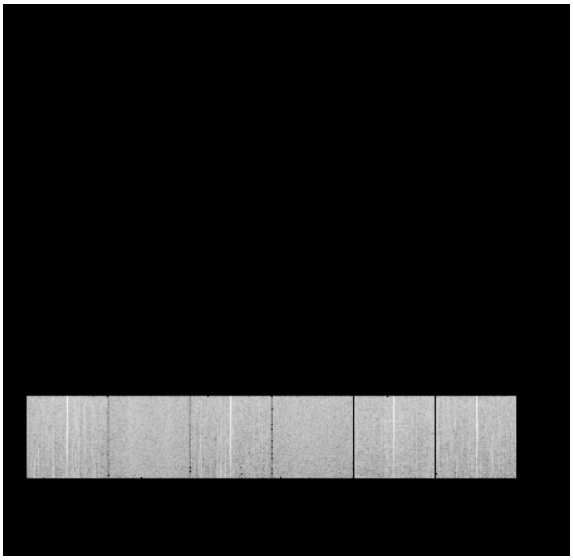
2.1 OBI

2.1.1 Images

Level 1 Image

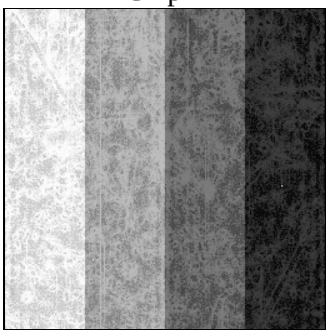


Level 1 Bad Events

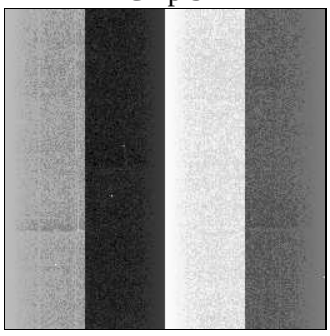


2.1.2 Bias

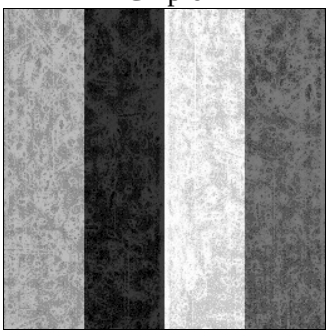
Chip 4



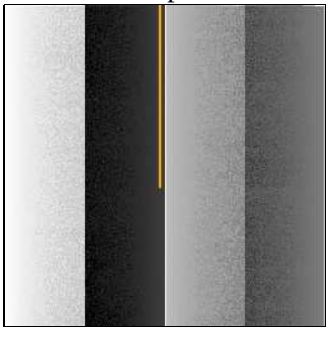
Chip 5



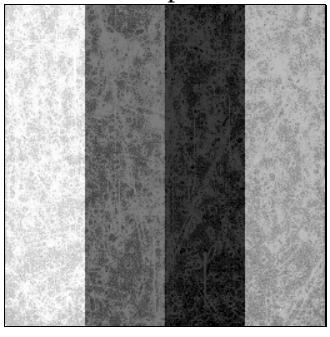
Chip 6



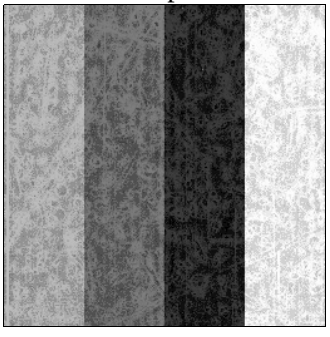
Chip 7



Chip 8



Chip 9



2.1.3 Parameters

obi_num	1	Obi number
ascdsver	8.4.5	Processing system revision
caldbver	4.4.10	
date	2012-06-20T12:29:47	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	8073.5999699831	Sum of GTIs [s]
ontime4	8073.5999699831	Sum of GTIs [s]
ontime5	8073.5999699831	Sum of GTIs [s]
ontime6	8073.5999699831	Sum of GTIs [s]
ontime7	8073.5999699831	Sum of GTIs [s]
ontime8	8073.5999699831	Sum of GTIs [s]
ontime9	8073.5999699831	Sum of GTIs [s]
l1events	960714	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	150669	177199	145798	172930	167421	146697
rejected events	86198	74307	77546	70324	85854	80490
rejected %	57%	41%	53%	40%	51%	54%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	36823	11206	34823	17697	39647	35222
	24%	6%	23%	10%	23%	24%
grade 1 events	394	246	232	142	265	260
	0%	0%	0%	0%	0%	0%
grade 2 events	10046	38401	12862	22317	15511	11492
	6%	21%	8%	12%	9%	7%
grade 3 events	4620	4018	4590	9269	6013	4576
	3%	2%	3%	5%	3%	3%
grade 4 events	4595	3805	4301	8961	5983	4384
	3%	2%	2%	5%	3%	2%
grade 5 events	4187	9031	4288	10972	5572	4749
	2%	5%	2%	6%	3%	3%
grade 6 events	8419	45498	11710	44404	14447	10554
	5%	25%	8%	25%	8%	7%
grade 7 events	81585	64994	72992	59168	79983	75460
	54%	36%	50%	34%	47%	51%

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	104.0263017445168
[deg] Pointing Dec	0	6.988059410843043
[deg] Pointing Roll	0.0	302.5646340794178
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	380660908.998845	380660907.97384
Observation start date	2010-01-23T19:08:29	2010-01-23T19:08:27
[s] Observation end time (MET)	380670908.899351	380670907.87435
Observation end date	2010-01-23T21:55:09	2010-01-23T21:55:07
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)	2012.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0735999699831

A.2 Comments