V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 54506 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Aug 29 2012

Contents

1 Front

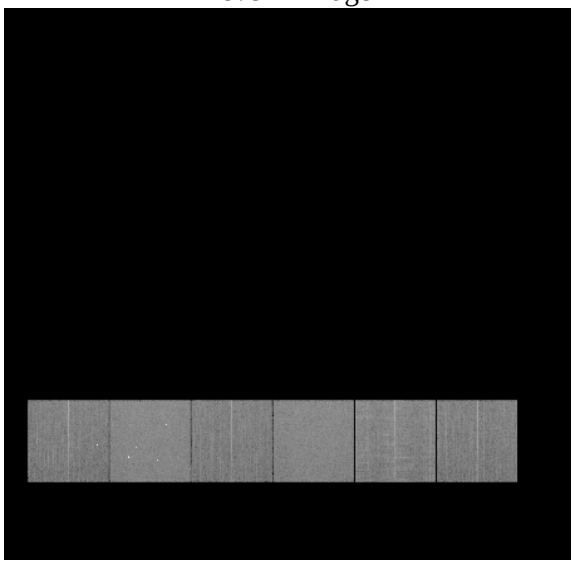
seq_num		Sequence number
obs_id	54506	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	294.26172004865	Nominal RA [deg]
dec_nom	-8.0156751950845	Nominal Dec [deg]
roll_nom	169.05143999707	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8147.1999697089	Sum of GTIs [s]
livetime	8044.0352180376	Livetime [s]
ontime4	8147.1999697089	Sum of GTIs [s]
ontime5	8147.1999697089	Sum of GTIs [s]
ontime6	8147.1999697089	Sum of GTIs [s]
ontime7	8147.1999697089	Sum of GTIs [s]
ontime8	8147.1999697089	Sum of GTIs [s]
ontime9	8147.1999697089	Sum of GTIs [s]
l2events	296580	Number of level 2 events

2 OBI

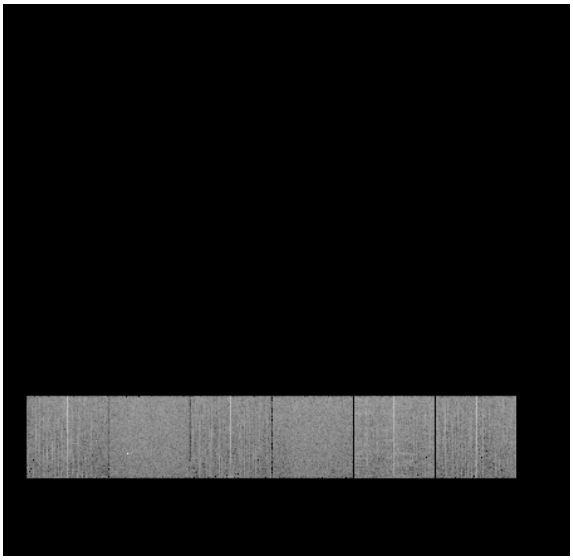
2.1 OBI

2.1.1 Images

Level 1 Image

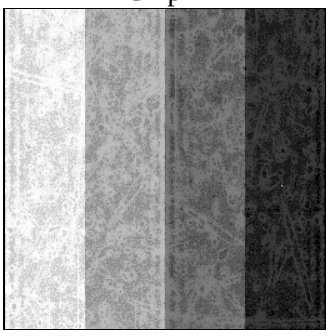


Level 1 Bad Events

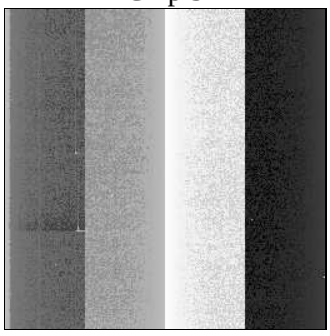


2.1.2 Bias

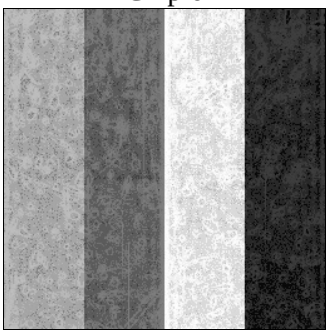
Chip 4



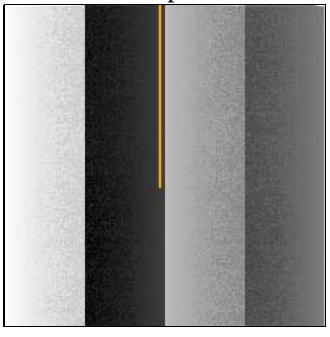
Chip 5



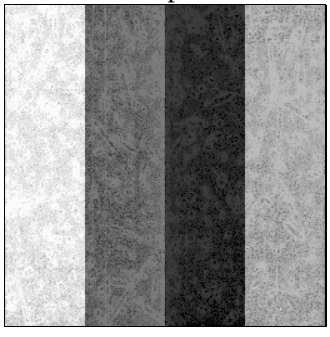
Chip 6



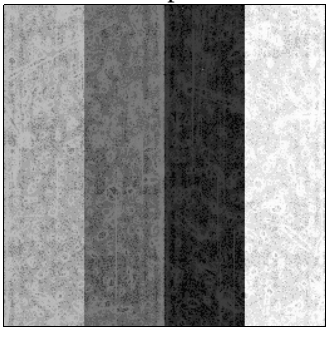
Chip 7



Chip 8



Chip 9



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.4.5	Processing system revision
caldbver	4.5.1.1	
date	2012-08-29T16:05:38	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	8147.1999697089	Sum of GTIs [s]
ontime4	8147.1999697089	Sum of GTIs [s]
ontime5	8147.1999697089	Sum of GTIs [s]
ontime6	8147.1999697089	Sum of GTIs [s]
ontime7	8147.1999697089	Sum of GTIs [s]
ontime8	8147.1999697089	Sum of GTIs [s]
ontime9	8147.1999697089	Sum of GTIs [s]
l1events	661582	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	98263	129543	97734	121563	116388	98091
rejected events	54084	56860	52698	53977	61428	54774
rejected %	55%	43%	53%	44%	52%	55%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	26248	10355	23268	12105	26323	23155
	26%	7%	23%	9%	22%	23%
grade 1 events	194	151	105	105	166	111
	0%	0%	0%	0%	0%	0%
grade 2 events	6942	26851	8670	14921	11007	7814
	7%	20%	8%	12%	9%	7%
grade 3 events	3104	2815	2933	5992	4064	2987
	3%	2%	3%	4%	3%	3%
grade 4 events	3016	2763	2899	6097	3855	3019
	3%	2%	2%	5%	3%	3%
grade 5 events	3330	7148	3302	8303	4418	3572
	3%	5%	3%	6%	3%	3%
grade 6 events	6101	31427	8555	30039	11237	7609
	6%	24%	8%	24%	9%	7%
grade 7 events	49328	48033	48002	44001	55318	49824
	50%	37%	49%	36%	47%	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	294.2617200486535
[deg] Pointing Dec	0	-8.015675195084544
[deg] Pointing Roll	0.0	169.0514399970656
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	457850594.595687	457850594.595687
Observation start date	2012-07-05T04:43:15	2012-07-05T04:43:14
[s] Observation end time (MET)	457860143.648877	457860143.648877
Observation end date	2012-07-05T07:22:24	2012-07-05T07:22:23
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)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1471999697089

A.2 Comments