V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 56114 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 1 2012

Contents

1 Front

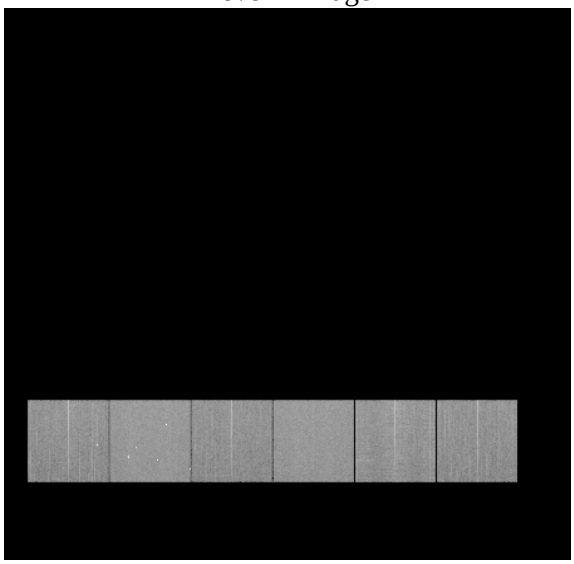
seq_num		Sequence number
obs_id	56114	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	282.99124901151	Nominal RA [deg]
dec_nom	-2.5274132880899	Nominal Dec [deg]
roll_nom	219.50818463873	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999692321	Sum of GTIs [s]
livetime	8170.4144044945	Livetime [s]
ontime4	8271.9589589834	Sum of GTIs [s]
ontime5	8275.1999692321	Sum of GTIs [s]
ontime6	8275.1999692321	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
ontime8	8271.9590085149	Sum of GTIs [s]
ontime9	8275.1999692321	Sum of GTIs [s]
l2events	418548	Number of level 2 events

2 OBI

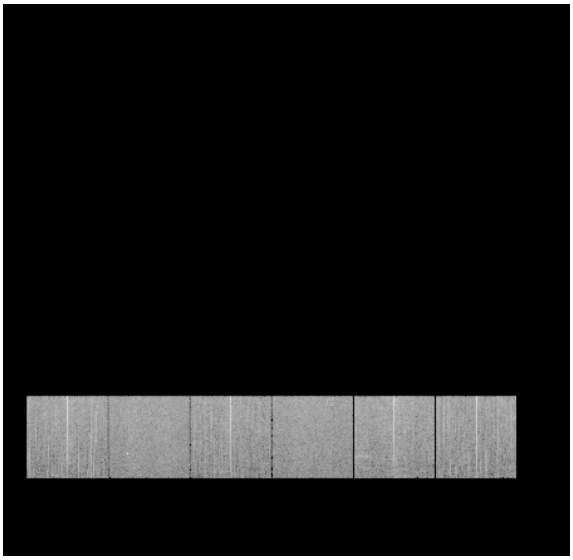
2.1 OBI

2.1.1 Images

Level 1 Image

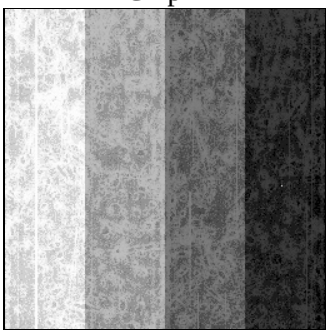


Level 1 Bad Events

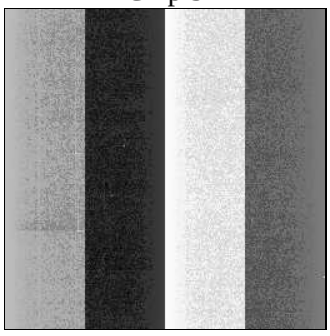


2.1.2 Bias

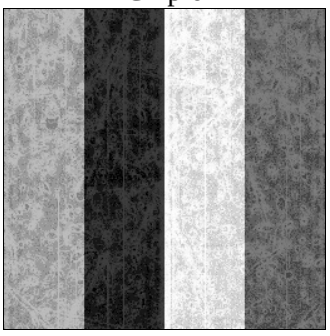
Chip 4



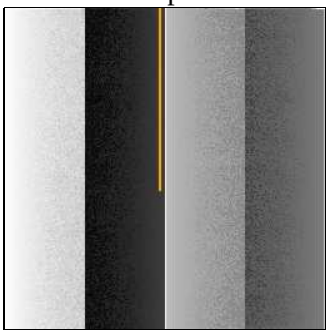
Chip 5



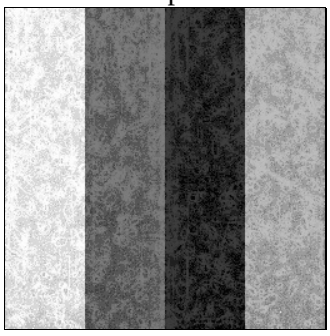
Chip 6



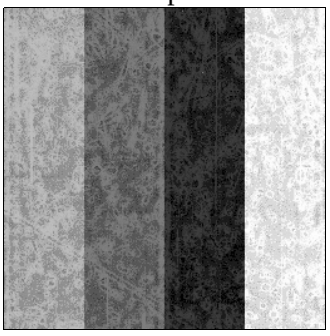
Chip 7



Chip 8



Chip 9



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.4.5	Processing system revision
caldbver	4.5.0	
date	2012-06-30T14:25:29	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	8275.1999692321	Sum of GTIs [s]
ontime4	8271.9589589834	Sum of GTIs [s]
ontime5	8275.1999692321	Sum of GTIs [s]
ontime6	8275.1999692321	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
ontime8	8271.9590085149	Sum of GTIs [s]
ontime9	8275.1999692321	Sum of GTIs [s]
l1events	899259	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	138644	173252	133930	164696	154437	134300
rejected events	78050	71057	70783	67912	78269	72882
rejected %	56%	41%	52%	41%	50%	54%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	34472	15789	32610	16954	36818	32298
	24%	9%	24%	10%	23%	24%
grade 1 events	342	307	212	157	235	216
	0%	0%	0%	0%	0%	0%
grade 2 events	9597	35472	11657	20933	14517	10987
	6%	20%	8%	12%	9%	8%
grade 3 events	4275	4443	4127	8746	5605	4193
	3%	2%	3%	5%	3%	3%
grade 4 events	4245	4272	4145	8567	5635	4107
	3%	2%	3%	5%	3%	3%
grade 5 events	4117	9727	4215	10508	5603	4932
	2%	5%	3%	6%	3%	3%
grade 6 events	8029	42219	10608	41584	13617	9833
	5%	24%	7%	25%	8%	7%
grade 7 events	73567	61023	66356	57247	72407	67734
	53%	35%	49%	34%	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	282.9912490115062
[deg] Pointing Dec	0	-2.527413288089888
[deg] Pointing Roll	0.0	219.5081846387295
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	395966410.677213	395966409.6522
Observation start date	2010-07-19T22:40:11	2010-07-19T22:40:09
[s] Observation end time (MET)	395977620.077786	395977619.05277
Observation end date	2010-07-20T01:47:00	2010-07-20T01:46:59
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999692321

A.2 Comments