V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 54463 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Aug 17 2012

Contents

1 Front

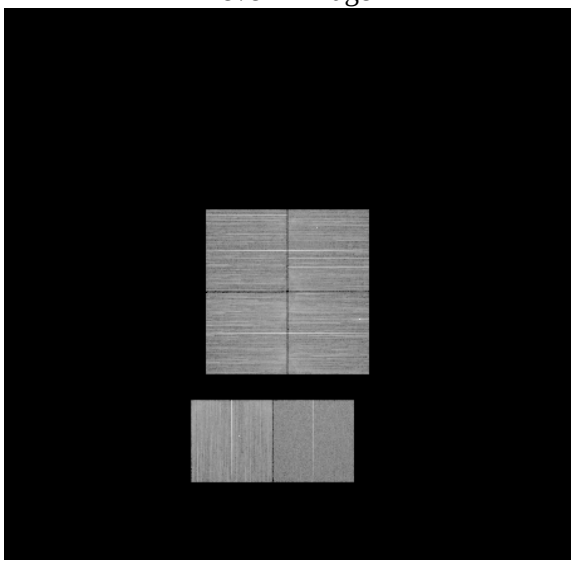
seq_num		Sequence number
obs_id	54463	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	322.00163348844	Nominal RA [deg]
dec_nom	-40.970486655597	Nominal Dec [deg]
roll_nom	42.676202301768	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8278.1714233756	Sum of GTIs [s]
livetime	8173.3482322964	Livetime [s]
ontime0	8278.1303833723	Sum of GTIs [s]
ontime1	8278.089343369	Sum of GTIs [s]
ontime2	8278.0483033657	Sum of GTIs [s]
ontime3	8278.2124633789	Sum of GTIs [s]
ontime6	8278.0072633624	Sum of GTIs [s]
ontime7	8278.1714233756	Sum of GTIs [s]
l2events	261621	Number of level 2 events

2 OBI

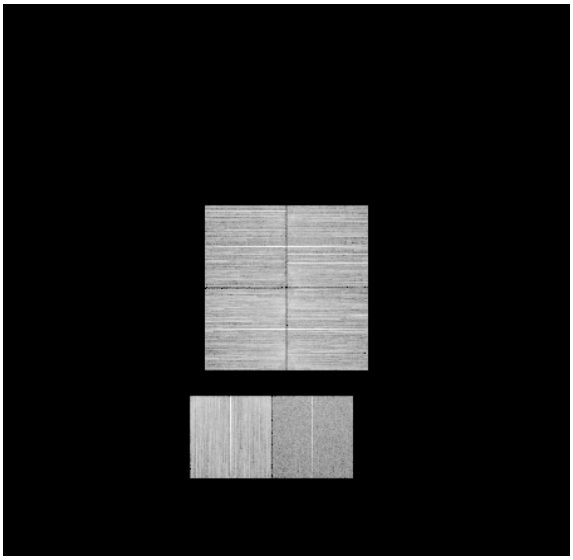
2.1 OBI

2.1.1 Images

Level 1 Image

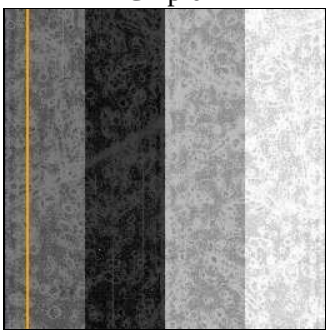


Level 1 Bad Events

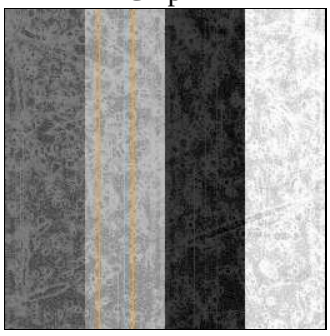


2.1.2 Bias

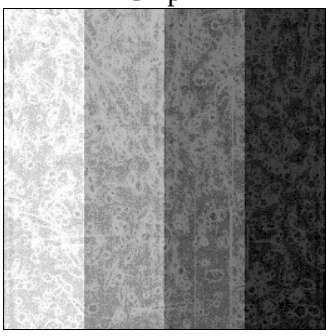
Chip 0



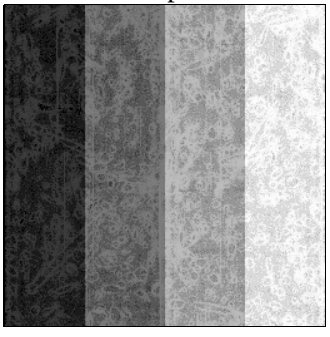
Chip 1



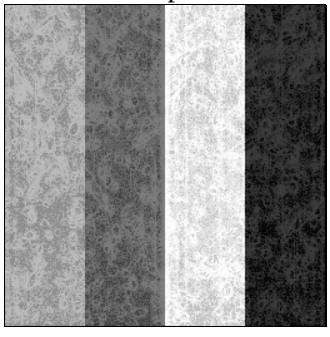
Chip 2



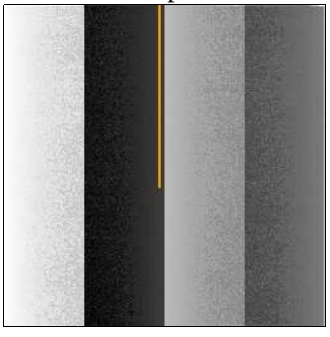
Chip 3



Chip 6



Chip 7



2.1.3 Parameters

obi_num	2	Obi number
ascdsver	8.4.5	Processing system revision
caldbver	4.5.1.1	
date	2012-08-17T22:56:04	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	8278.1714233756	Sum of GTIs [s]
ontime0	8278.1303833723	Sum of GTIs [s]
ontime1	8278.089343369	Sum of GTIs [s]
ontime2	8278.0483033657	Sum of GTIs [s]
ontime3	8278.2124633789	Sum of GTIs [s]
ontime6	8278.0072633624	Sum of GTIs [s]
ontime7	8278.1714233756	Sum of GTIs [s]
l1events	1190264	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	191682	203649	217060	213295	222275	142303
rejected events	150349	162299	175582	169849	178738	72560
rejected %	78%	79%	80%	79%	80%	50%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	21534	20400	21934	23985	21830	10611
	11%	10%	10%	11%	9%	7%
grade 1 events	121	122	142	148	110	104
	0%	0%	0%	0%	0%	0%
grade 2 events	8247	9145	7820	7894	9122	17560
	4%	4%	3%	3%	4%	12%
grade 3 events	2740	2610	2802	2798	2677	5785
	1%	1%	1%	1%	1%	4%
grade 4 events	2638	2643	2888	2831	2676	5695
	1%	1%	1%	1%	1%	4%
grade 5 events	2967	2932	2770	3210	3067	7799
	1%	1%	1%	1%	1%	5%
grade 6 events	6188	6574	6051	5967	7247	30121
	3%	3%	2%	2%	3%	21%
grade 7 events	147247	159223	172653	166462	175546	64628
	76%	78%	79%	78%	78%	45%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	322.0016334884397
[deg] Pointing Dec	0	-40.97048665559694
[deg] Pointing Roll	0.0	42.67620230176846
[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)	459453661.881213	459453660.85621
Observation start date	2012-07-23T18:01:02	2012-07-23T18:01:00
[s] Observation end time (MET)	459462970.93171	459462969.90671
Observation end date	2012-07-23T20:36:11	2012-07-23T20:36:09
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)	2012.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2781714233756

A.2 Comments