V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 56941 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Jun 10 2012

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1 Front

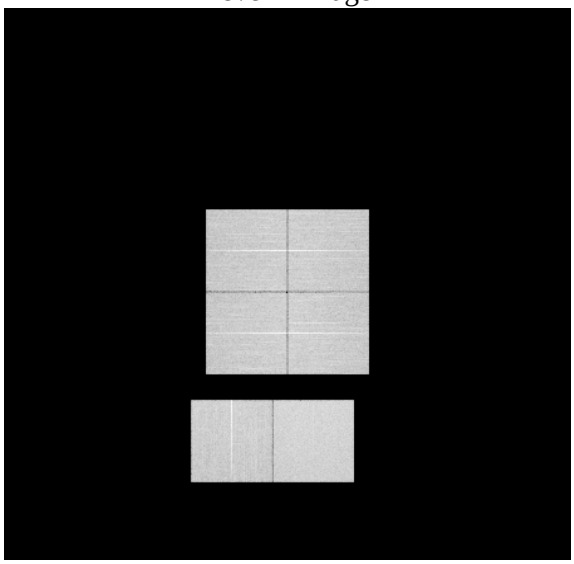
seq_num		Sequence number
obs_id	56941	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	296.48227860944	Nominal RA [deg]
dec_nom	3.2243950744245	Nominal Dec [deg]
roll_nom	192.90711079701	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8446.8234698176	Sum of GTIs [s]
livetime	8339.8647049763	Livetime [s]
ontime0	8446.7824298143	Sum of GTIs [s]
ontime1	8446.741389811	Sum of GTIs [s]
ontime2	8446.7003498077	Sum of GTIs [s]
ontime3	8446.8645098209	Sum of GTIs [s]
ontime6	8446.6593098044	Sum of GTIs [s]
ontime7	8446.8234698176	Sum of GTIs [s]
l2events	473749	Number of level 2 events

2 OBI

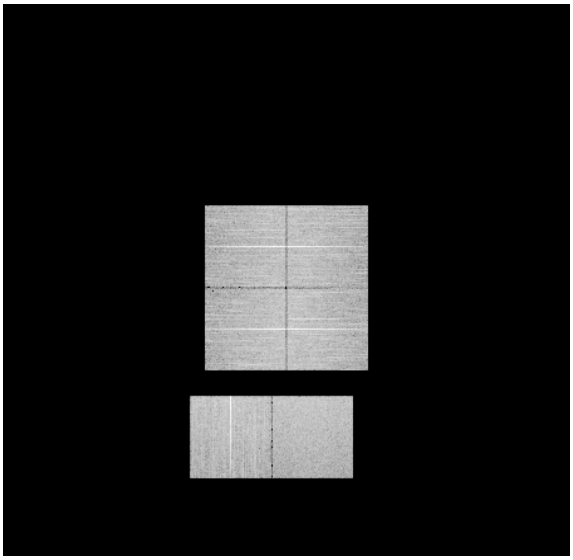
2.1 OBI

2.1.1 Images

Level 1 Image

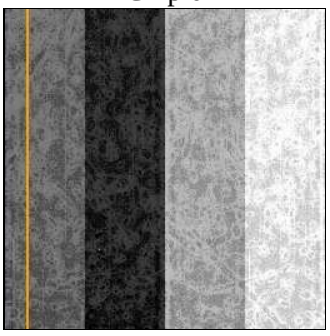


Level 1 Bad Events

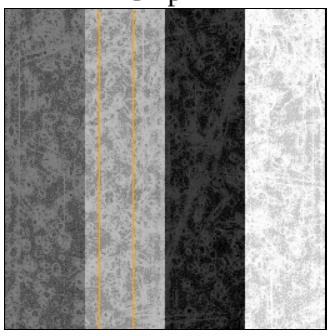


2.1.2 Bias

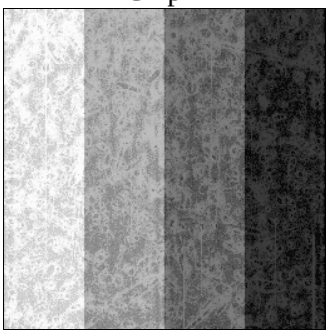
Chip 0



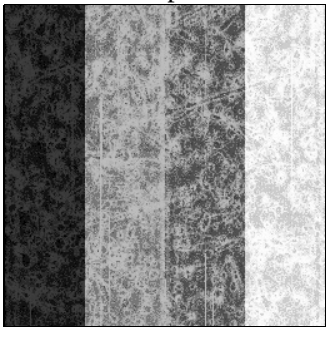
Chip 1



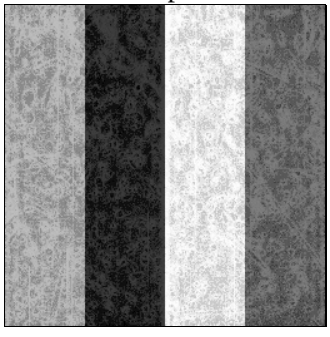
Chip 2



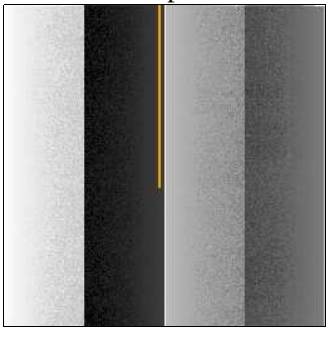
Chip 3



Chip 6



Chip 7



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.4.5	Processing system revision
caldbver	4.4.10	
date	2012-06-10T15:06:14	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	8446.8234698176	Sum of GTIs [s]
ontime0	8446.7824298143	Sum of GTIs [s]
ontime1	8446.741389811	Sum of GTIs [s]
ontime2	8446.7003498077	Sum of GTIs [s]
ontime3	8446.8645098209	Sum of GTIs [s]
ontime6	8446.6593098044	Sum of GTIs [s]
ontime7	8446.8234698176	Sum of GTIs [s]
l1events	978297	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	153428	154383	156186	161325	162657	190318
rejected events	77000	77761	80176	84146	84232	74162
rejected %	50%	50%	51%	52%	51%	38%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	40502	38670	41527	42170	39336	20295
	26%	25%	26%	26%	24%	10%
grade 1 events	320	220	333	312	221	138
	0%	0%	0%	0%	0%	0%
grade 2 events	14068	15719	12861	13090	15820	25626
	9%	10%	8%	8%	9%	13%
grade 3 events	5085	4926	5239	5318	4814	10346
	3%	3%	3%	3%	2%	5%
grade 4 events	5091	4987	5201	5237	4837	10141
	3%	3%	3%	3%	2%	5%
grade 5 events	4067	4081	3824	4382	4169	11200
	2%	2%	2%	2%	2%	5%
grade 6 events	11711	12346	11212	11394	13656	49795
	7%	7%	7%	7%	8%	26%
grade 7 events	72584	73434	75989	79422	79804	62777
	47%	47%	48%	49%	49%	32%

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	296.4822786094392
[deg] Pointing Dec	0	3.224395074424507
[deg] Pointing Roll	0.0	192.9071107970125
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	364663743.443724	364663742.41874
Observation start date	2009-07-22T15:29:03	2009-07-22T15:29:02
[s] Observation end time (MET)	364677052.044389	364677051.0194
Observation end date	2009-07-22T19:10:52	2009-07-22T19:10:51
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)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4468234698176

A.2 Comments