V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 56837 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 13 2012

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1 Front

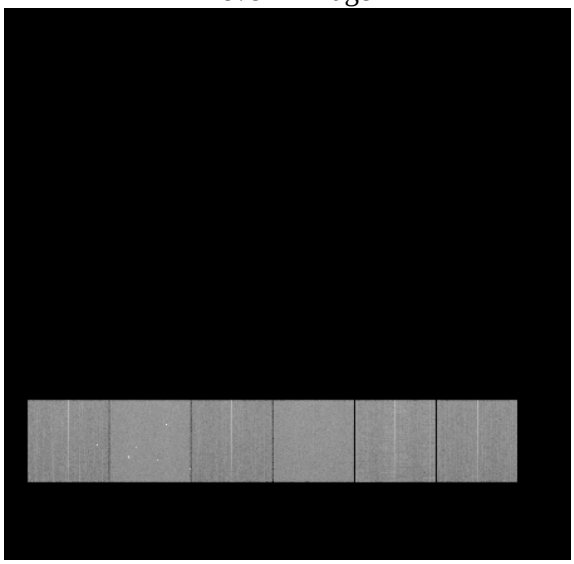
seq_num		Sequence number
obs_id	56837	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	324.98919644321	Nominal RA [deg]
dec_nom	24.973084870785	Nominal Dec [deg]
roll_nom	217.07189715632	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7529.5999720097	Sum of GTIs [s]
livetime	7434.2556433833	Livetime [s]
ontime4	7529.5596139431	Sum of GTIs [s]
ontime5	7529.5999720097	Sum of GTIs [s]
ontime6	7529.5999720097	Sum of GTIs [s]
ontime7	7529.5999720097	Sum of GTIs [s]
ontime8	7529.5185739398	Sum of GTIs [s]
ontime9	7529.5999720097	Sum of GTIs [s]
l2events	452442	Number of level 2 events

2 OBI

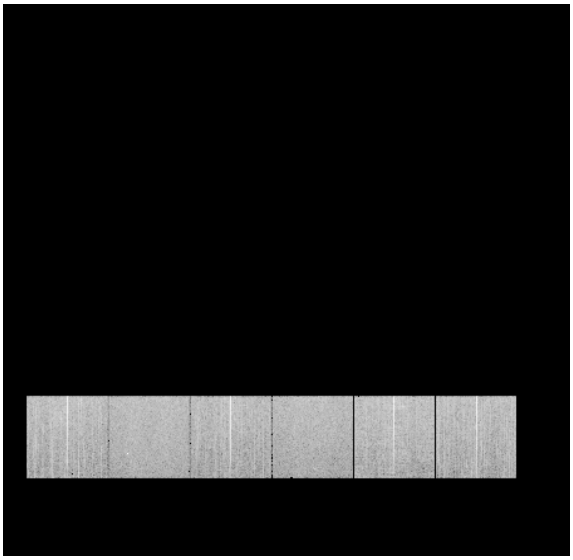
2.1 OBI

2.1.1 Images

Level 1 Image

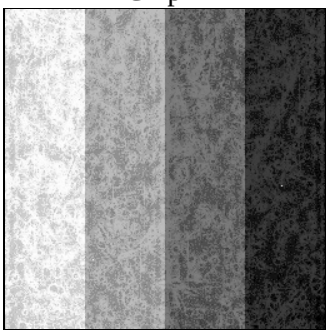


Level 1 Bad Events

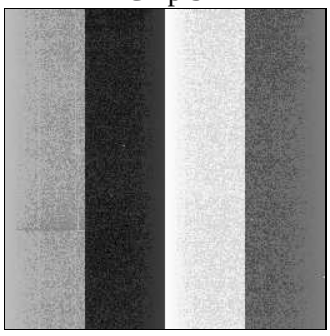


2.1.2 Bias

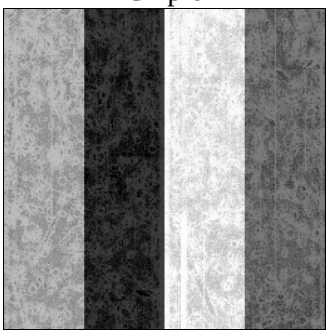
Chip 4



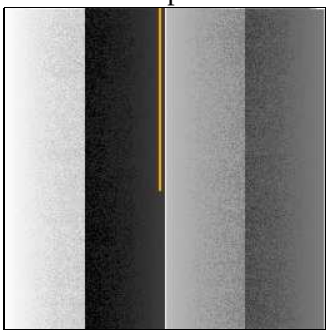
Chip 5



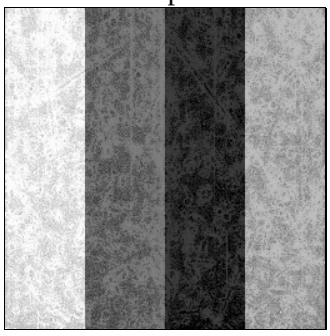
Chip 6



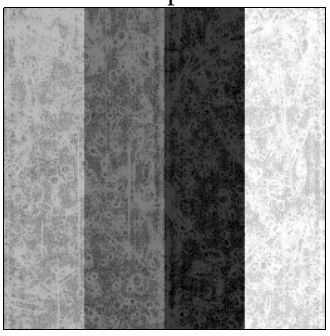
Chip 7



Chip 8



Chip 9



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.4.5	Processing system revision
caldbver	4.4.10	
date	2012-06-13T05:41:18	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	7529.5999720097	Sum of GTIs [s]
ontime4	7529.5596139431	Sum of GTIs [s]
ontime5	7529.5999720097	Sum of GTIs [s]
ontime6	7529.5999720097	Sum of GTIs [s]
ontime7	7529.5999720097	Sum of GTIs [s]
ontime8	7529.5185739398	Sum of GTIs [s]
ontime9	7529.5999720097	Sum of GTIs [s]
l1events	933662	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	143807	175592	141668	167992	161635	142968
rejected events	77301	69451	71881	65208	79535	75567
rejected %	53%	39%	50%	38%	49%	52%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	37835	16806	36381	18641	40099	35907
	26%	9%	25%	11%	24%	25%
grade 1 events	410	221	250	137	306	274
	0%	0%	0%	0%	0%	0%
grade 2 events	10682	36944	12588	22288	15623	11911
	7%	21%	8%	13%	9%	8%
grade 3 events	4769	4819	4700	9571	6184	4560
	3%	2%	3%	5%	3%	3%
grade 4 events	4554	4567	4710	9342	5959	4510
	3%	2%	3%	5%	3%	3%
grade 5 events	4055	9382	4082	10570	5533	4599
	2%	5%	2%	6%	3%	3%
grade 6 events	8700	43058	11430	42986	14291	10548
	6%	24%	8%	25%	8%	7%
grade 7 events	72802	59795	67527	54457	73640	70659
	50%	34%	47%	32%	45%	49%

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	324.9891964432089
[deg] Pointing Dec	0	24.97308487078464
[deg] Pointing Roll	0.0	217.0718971563167
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	369011326.261507	369011325.23651
Observation start date	2009-09-10T23:08:46	2009-09-10T23:08:45
[s] Observation end time (MET)	369020586.111972	369020585.08698
Observation end date	2009-09-11T01:43:06	2009-09-11T01:43:05
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)	2012.06.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5295999720097

A.2 Comments