V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 56009 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 3 2012

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1 Front

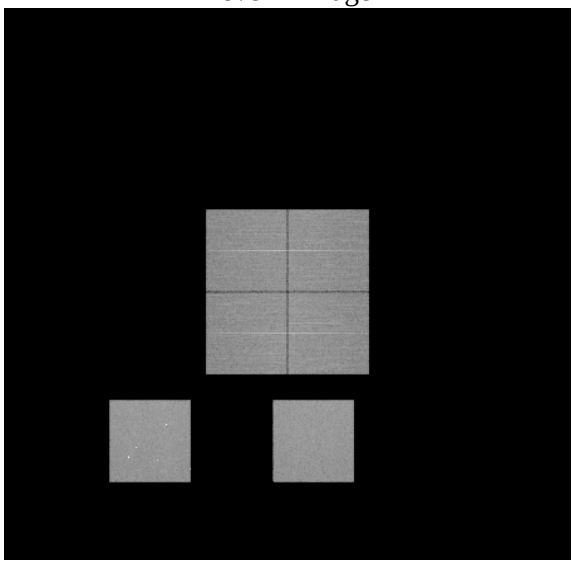
seq_num		Sequence number
obs_id	56009	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	163.95244312458	Nominal RA [deg]
dec_nom	-53.504877138615	Nominal Dec [deg]
roll_nom	156.87244430357	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8211.1999694705	Sum of GTIs [s]
livetime	8107.224811266	Livetime [s]
ontime0	8207.9590091705	Sum of GTIs [s]
ontime1	8211.1999694705	Sum of GTIs [s]
ontime2	8211.1999694705	Sum of GTIs [s]
ontime3	8211.1999694705	Sum of GTIs [s]
ontime5	8211.1999694705	Sum of GTIs [s]
ontime7	8211.1999694705	Sum of GTIs [s]
l2events	485404	Number of level 2 events

2 OBI

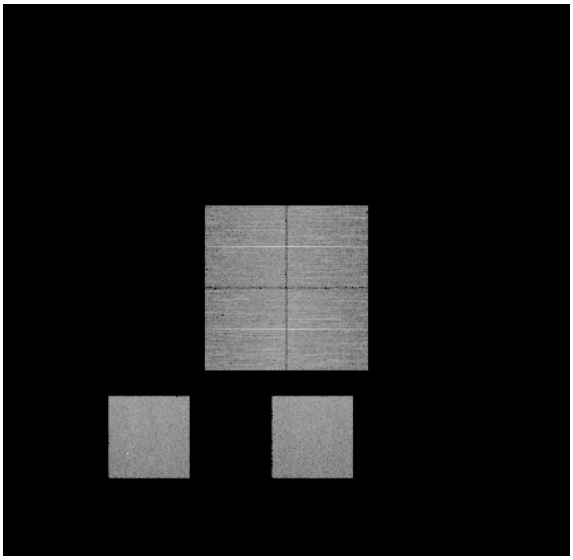
2.1 OBI

2.1.1 Images

Level 1 Image

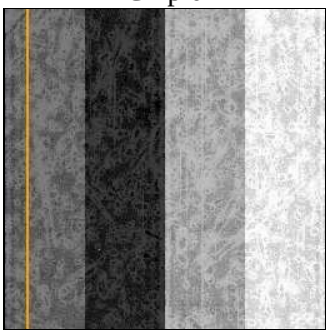


Level 1 Bad Events

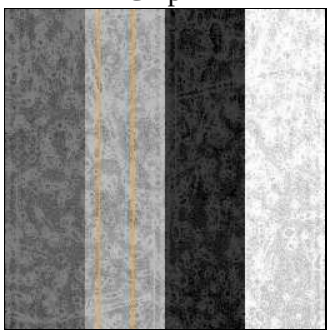


2.1.2 Bias

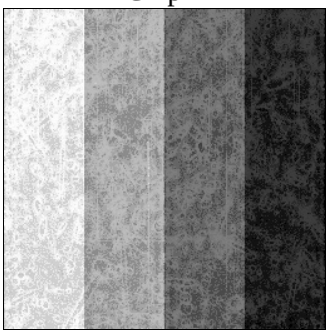
Chip 0



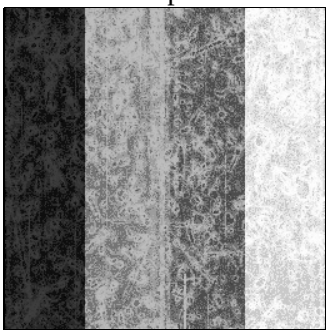
Chip 1



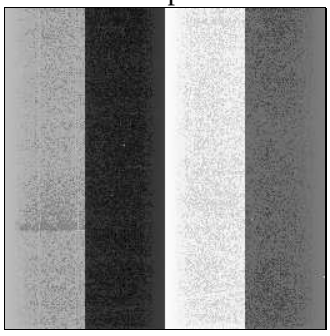
Chip 2



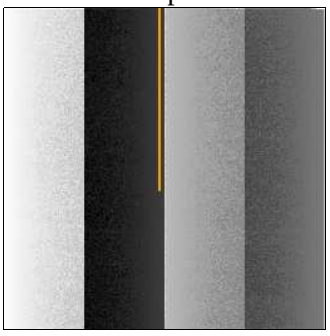
Chip 3



Chip 5



Chip 7



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.4.5	Processing system revision
caldbver	4.5.0	
date	2012-07-04T02:24:35	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	8211.1999694705	Sum of GTIs [s]
ontime0	8207.9590091705	Sum of GTIs [s]
ontime1	8211.1999694705	Sum of GTIs [s]
ontime2	8211.1999694705	Sum of GTIs [s]
ontime3	8211.1999694705	Sum of GTIs [s]
ontime5	8211.1999694705	Sum of GTIs [s]
ontime7	8211.1999694705	Sum of GTIs [s]
l1events	904346	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	136686	137578	139345	143313	175585	171839
rejected events	62111	62180	66268	68007	68079	65821
rejected %	45%	45%	47%	47%	38%	38%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
grade 0 events	39042	38281	39665	40222	17091	20369
	28%	27%	28%	28%	9%	11%
grade 1 events	254	226	268	262	980	161
	0%	0%	0%	0%	0%	0%
grade 2 events	13611	15047	12547	13204	38330	23079
	9%	10%	9%	9%	21%	13%
grade 3 events	5020	4798	4816	5079	4844	9366
	3%	3%	3%	3%	2%	5%
grade 4 events	4859	4744	4753	5020	4680	9313
	3%	3%	3%	3%	2%	5%
grade 5 events	3939	3960	3527	4227	8884	10285
	2%	2%	2%	2%	5%	5%
grade 6 events	12600	13156	11870	12360	43455	44749
	9%	9%	8%	8%	24%	26%
grade 7 events	57361	57366	61899	62939	57321	54517
	41%	41%	44%	43%	32%	31%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	163.9524431245755
[deg] Pointing Dec	0	-53.50487713861533
[deg] Pointing Roll	0.0	156.8724443035712
[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)	401871009.579679	401871008.55469
Observation start date	2010-09-26T06:50:10	2010-09-26T06:50:08
[s] Observation end time (MET)	401903403.681342	401903402.65635
Observation end date	2010-09-26T15:50:04	2010-09-26T15:50:02
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)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2111999694705

A.2 Comments