V&V Reference Report
L2 ASCDS Version : 8.4.5

Observation 56428 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 22 2012

Contents

1 Front

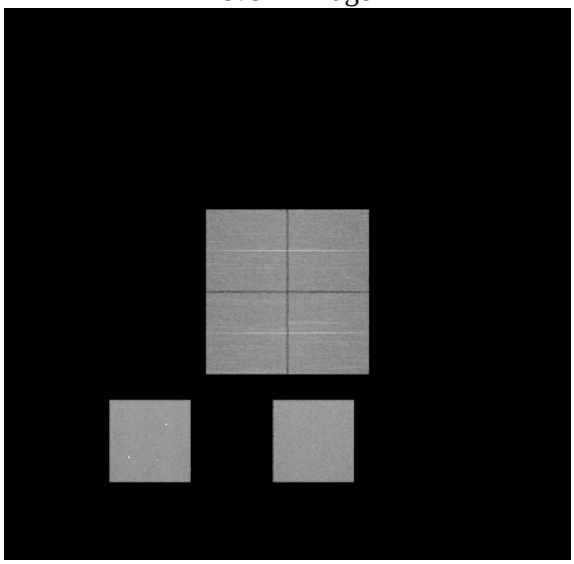
seq_num		Sequence number
obs_id	56428	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object		Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	150.62078493265	Nominal RA [deg]
dec_nom	-13.25791767061	Nominal Dec [deg]
roll_nom	337.60588239962	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8150.399969697	Sum of GTIs [s]
livetime	8047.194697699	Livetime [s]
ontime0	8150.399969697	Sum of GTIs [s]
ontime1	8150.399969697	Sum of GTIs [s]
ontime2	8150.399969697	Sum of GTIs [s]
ontime3	8150.399969697	Sum of GTIs [s]
ontime5	8150.399969697	Sum of GTIs [s]
ontime7	8150.399969697	Sum of GTIs [s]
l2events	449530	Number of level 2 events

2 OBI

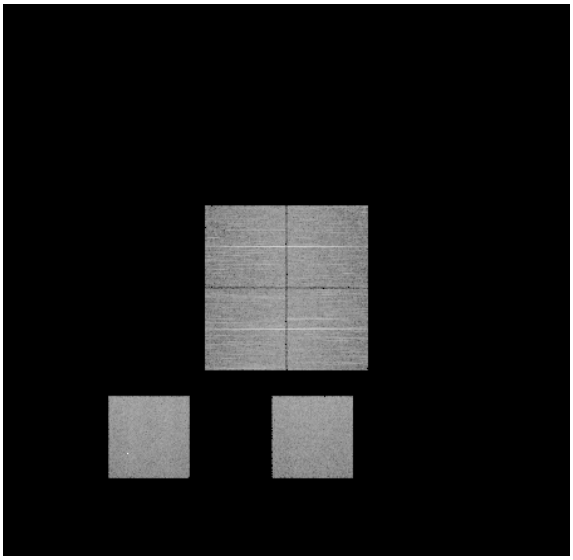
2.1 OBI

2.1.1 Images

Level 1 Image

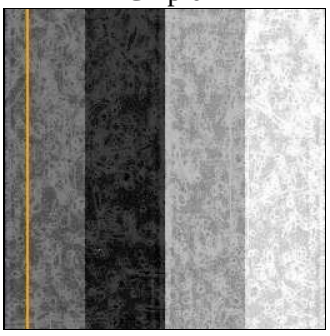


Level 1 Bad Events

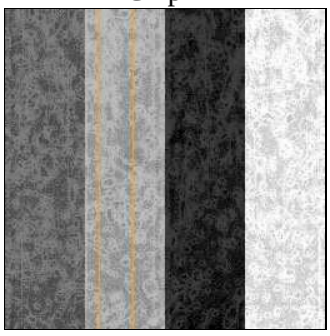


2.1.2 Bias

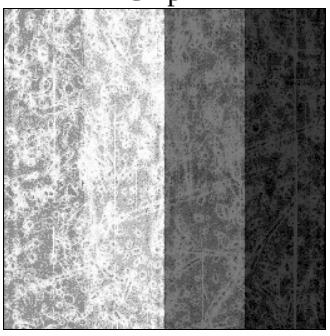
Chip 0



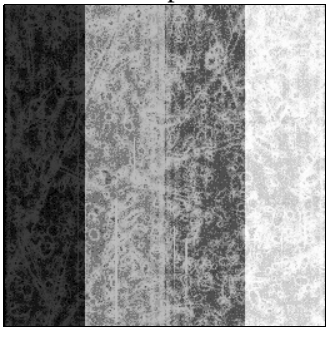
Chip 1



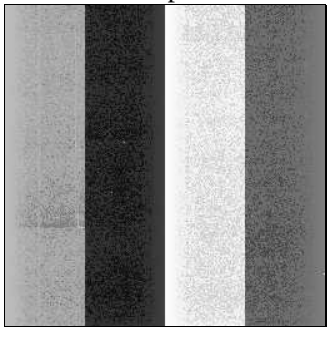
Chip 2



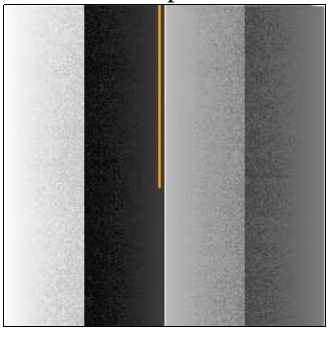
Chip 3



Chip 5



Chip 7



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.4.5	Processing system revision
caldbver	4.4.10	
date	2012-06-22T04:16:30	Date and time of file creation
revision	2	Processing version of data

sched_exp_time	0.0	[s] Scheduled observation exposure time
ontime	8150.399969697	Sum of GTIs [s]
ontime0	8150.399969697	Sum of GTIs [s]
ontime1	8150.399969697	Sum of GTIs [s]
ontime2	8150.399969697	Sum of GTIs [s]
ontime3	8150.399969697	Sum of GTIs [s]
ontime5	8150.399969697	Sum of GTIs [s]
ontime7	8150.399969697	Sum of GTIs [s]
l1events	912669	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	135631	134195	140177	143207	182422	177037
rejected events	70186	68428	75083	77259	74538	72563
rejected %	51%	50%	53%	53%	40%	40%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
grade 0 events	35222	34652	35898	36284	16482	19022
	25%	25%	25%	25%	9%	10%
grade 1 events	249	225	285	294	295	166
	0%	0%	0%	0%	0%	0%
grade 2 events	12205	12710	11629	11839	38353	22875
	8%	9%	8%	8%	21%	12%
grade 3 events	4577	4537	4467	4538	5084	9795
	3%	3%	3%	3%	2%	5%
grade 4 events	4409	4547	4454	4589	4952	9695
	3%	3%	3%	3%	2%	5%
grade 5 events	4085	4249	3981	4424	10315	11519
	3%	3%	2%	3%	5%	6%
grade 6 events	10106	10426	9746	9770	44847	44721
	7%	7%	6%	6%	24%	25%
grade 7 events	64778	62849	69717	71469	62094	59244
	47%	46%	49%	49%	34%	33%

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	150.6207849326531
[deg] Pointing Dec	0	-13.25791767060965
[deg] Pointing Roll	0.0	337.6058823996168
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	383589186.547231	383589186.547231
Observation start date	2010-02-26T16:33:07	2010-02-26T16:33:06
[s] Observation end time (MET)	383598735.773476	383598735.773476
Observation end date	2010-02-26T19:12:16	2010-02-26T19:12:15
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
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)	2012.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.150399969697

A.2 Comments