V&V Reference Report
L2 ASCDS Version : 7.6.7.1

Observation 60067 - L2 Version $_e$1
Chandra X-Ray Center

L2 Processing Date : Apr 19 2006

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1 Front

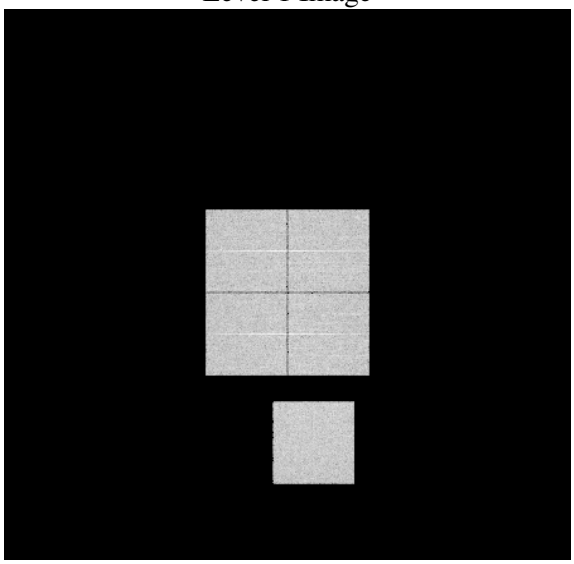
seq_num	
obs_id	60067
title	ACIS-01237 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
dtycycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	206.99439861802
dec_nom	-43.020365848378
roll_nom	228.41926948476
revision	2
ontime	4753.3081716895
livetime	1838.7185785145
ontime0	4753.4723317027
ontime1	4753.4312717915
ontime2	4753.3902516961
ontime3	4753.3492116928
ontime7	4753.3081716895
l2events	261742

2 OBI Primary

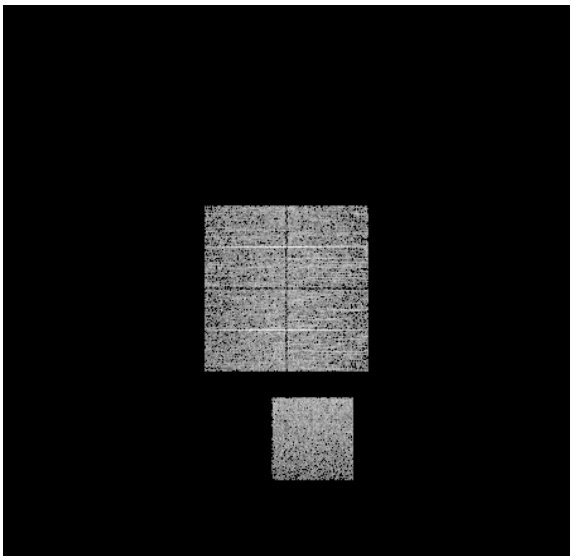
2.1 OBI

2.1.1 Images

Level 1 Image

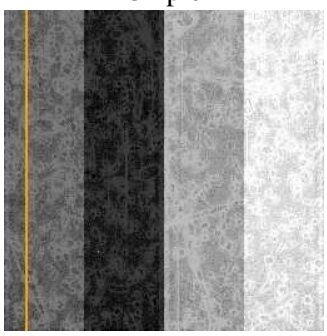


Level 1 Bad Events

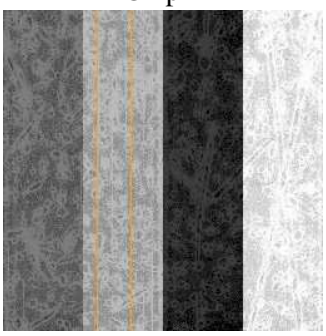


2.1.2 Bias

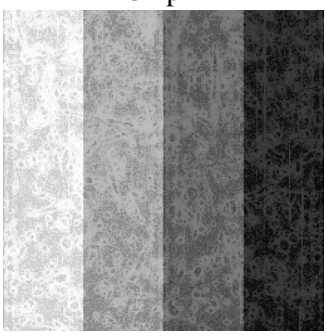
Chip 0



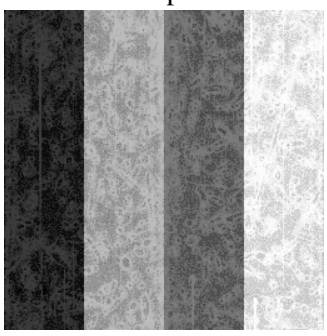
Chip 1



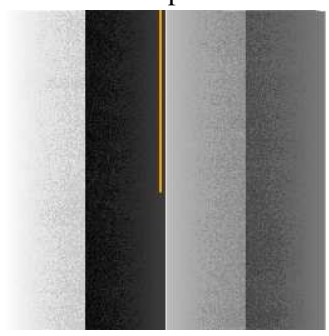
Chip 2



Chip 3



Chip 7



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-19T19:27:35
revision	2

sched_exp_time	0.0
ontime	4756.6208136082
ontime0	4756.6208136082
ontime1	4756.6208136082
ontime2	4756.6208136082
ontime3	4756.6208136082
ontime7	4756.6208136082
l1events	363271

2.1.4 Events

	ccd 0	**ccd 1**	**ccd 2**	**ccd 3**	**ccd 7**
level 1 events	71421	72247	71728	73600	74275
rejected events	16925	17939	17321	18966	16383
rejected %	23%	24%	24%	25%	22%

	ccd 0	**ccd 1**	**ccd 2**	**ccd 3**	**ccd 7**
grade 0 events	30188	29790	30593	30579	10399
	42%	41%	42%	41%	14%
grade 1 events	133	133	171	159	32
	0%	0%	0%	0%	0%
grade 2 events	9481	9599	9213	9439	17324
	13%	13%	12%	12%	23%
grade 3 events	3558	3606	3496	3571	4352
	4%	4%	4%	4%	5%
grade 4 events	3458	3409	3524	3579	4339
	4%	4%	4%	4%	5%
grade 5 events	913	907	900	1033	1882
	1%	1%	1%	1%	2%
grade 6 events	7811	7904	7581	7466	21478
	10%	10%	10%	10%	28%
grade 7 events	15879	16899	16250	17774	14469
	22%	23%	22%	24%	19%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-01237	ACIS-01237
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
Pointing RA	0	206.9943986180189
Pointing Dec	0	-43.02036584837847
Pointing Roll	0.0	228.4192694847561
SIM focus pos (mm)	-0.782348	-0.6828225247311905
SIM defocus (mm)	0	0.8505141146731063
SIM translation stage pos (mm)	-233.592463	250.466033080201
SIM translation stage offset (mm)	0	-0.01005468664627074
Observation start time	210864743.935993	210864742.91098
Observation start date	2004-09-06T13:32:24	2004-09-06T13:32:22
Observation end time	210879743.786662	210879742.76165
Observation end date	2004-09-06T17:42:24	2004-09-06T17:42:22
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	Y	Y
Primary exposure time	2	2
Secondary exposure time	3.2	3.2
Duty cycle	1	1

2.3 Aspect

2.4 Star Slots

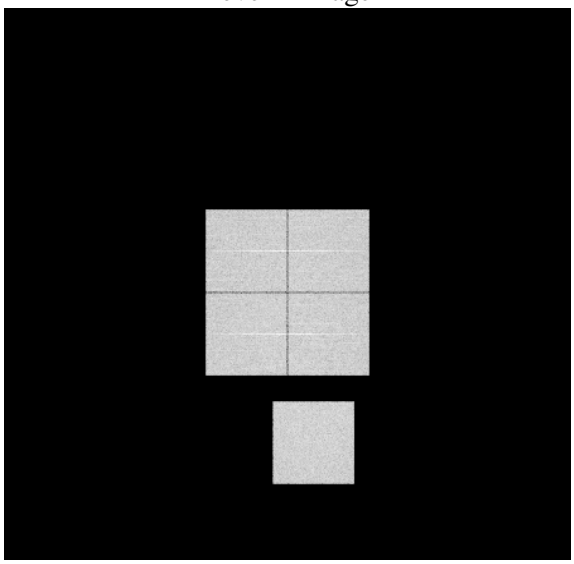
2.5 FID Slots

3 OBI Secondary

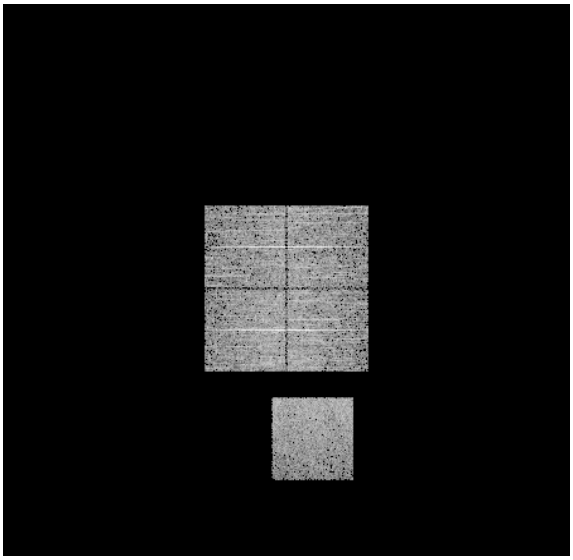
3.1 OBI

3.1.1 Images

Level 1 Image

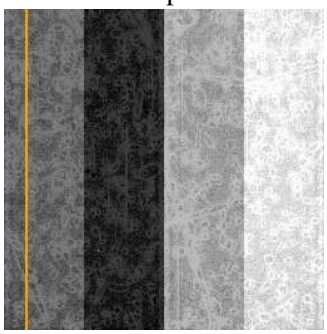


Level 1 Bad Events

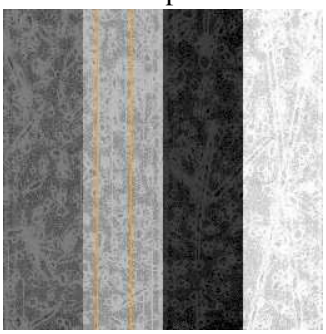


3.1.2 Bias

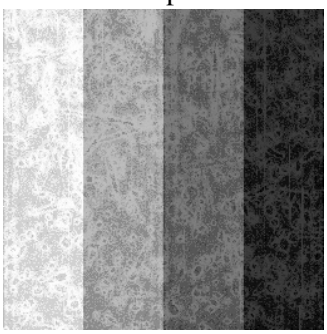
Chip 0



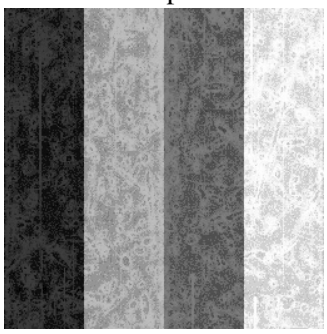
Chip 1



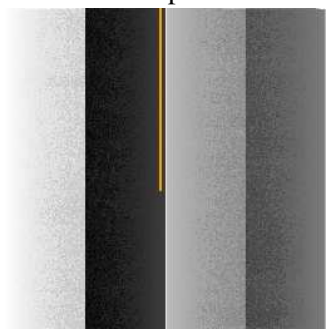
Chip 2



Chip 3



Chip 7



3.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-19T19:31:03
revision	2

sched_exp_time	0.0
ontime	2984.9978320599
ontime0	2984.9978320599
ontime1	2984.9978320599
ontime2	2984.9978320599
ontime3	2984.9978320599
ontime7	2984.9978320599
l1events	541843

3.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	105515	106293	108880	108798	112357
rejected events	21173	21748	23701	23718	21844
rejected %	20%	20%	21%	21%	19%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	46151	46445	47492	47631	15687
	43%	43%	43%	43%	13%
grade 1 events	260	235	319	356	40
	0%	0%	0%	0%	0%
grade 2 events	14944	15156	14521	14592	26834
	14%	14%	13%	13%	23%
grade 3 events	5606	5333	5750	5618	6581
	5%	5%	5%	5%	5%
grade 4 events	5467	5394	5549	5632	6464
	5%	5%	5%	5%	5%
grade 5 events	1359	1366	1303	1509	2677
	1%	1%	1%	1%	2%
grade 6 events	12259	12308	11957	11717	35030
	11%	11%	10%	10%	31%
grade 7 events	19469	20056	21989	21743	19044
	18%	18%	20%	19%	16%

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.73478355

A.2 Comments