

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61973 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Aug 31 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

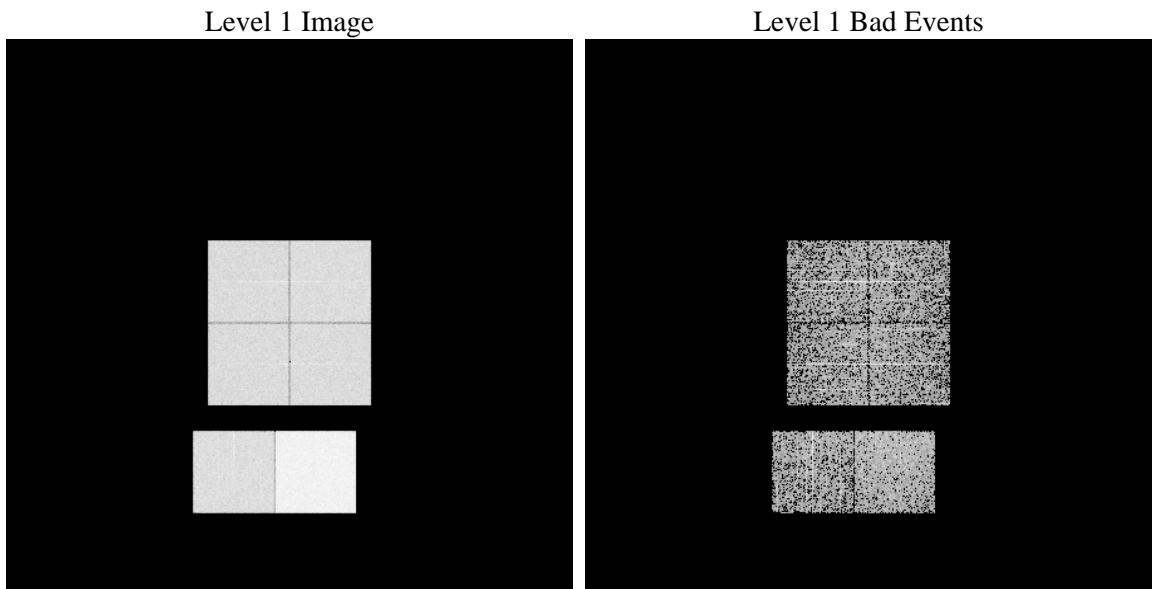
1 Front

seq_num	 	Sequence number
obs_id	61973	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	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	314.03116889842	Nominal RA [deg]
dec_nom	-27.991762241097	Nominal Dec [deg]
roll_nom	344.24790294204	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2547.1306019574	Sum of GTIs [s]
livetime	2514.8773005775	Livetime [s]
ontime0	1149.2041049153	Sum of GTIs [s]
ontime1	1198.873305738	Sum of GTIs [s]
ontime2	1134.0526654273	Sum of GTIs [s]
ontime3	1134.0525358468	Sum of GTIs [s]
ontime6	1204.424785167	Sum of GTIs [s]
ontime7	2547.1306019574	Sum of GTIs [s]
l2events	644922	Number of level 2 events

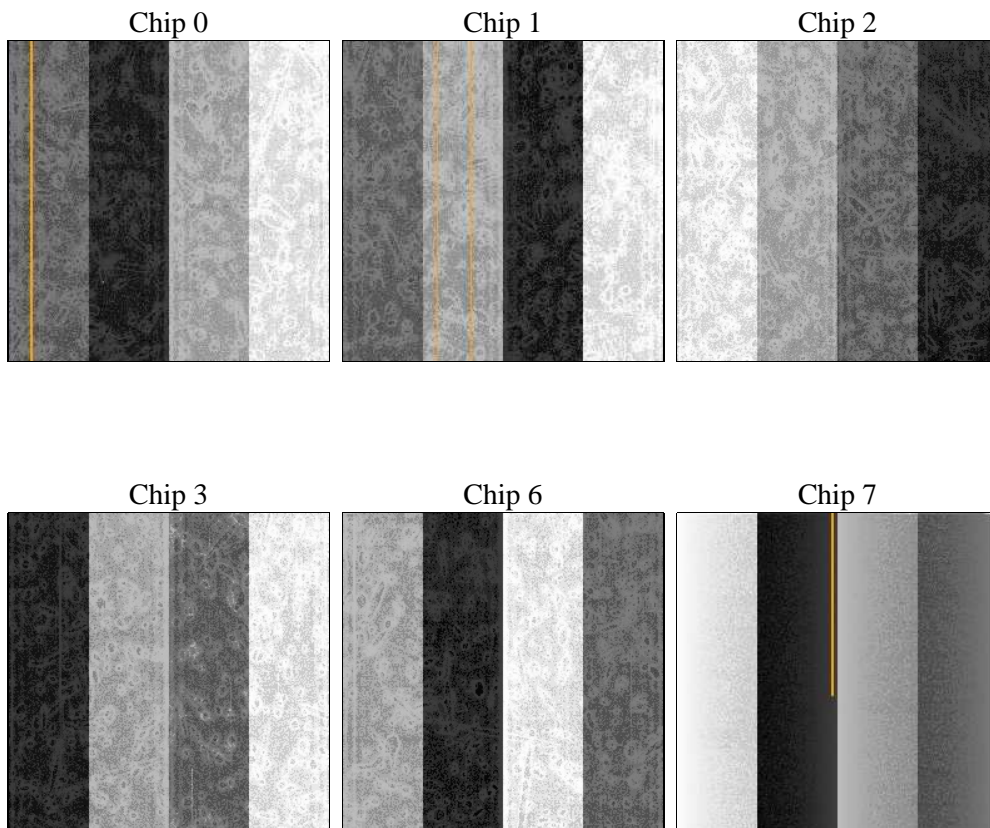
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2547.1306019574	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	1149.2041049153	Sum of GTIs [s]
date	2012-08-31T17:37:07	Date and time of file creation	ontime1	1198.873305738	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	1134.0526654273	Sum of GTIs [s]
			ontime3	1134.0525358468	Sum of GTIs [s]
			ontime6	1204.424785167	Sum of GTIs [s]
			ontime7	2547.1306019574	Sum of GTIs [s]
			l1events	729962	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	99125	103888	99157	100177	109060	218555	grade 0 events	50064	52769	50593	51305	54320	53549
rejected events	8948	9010	9002	9033	9571	12253		50%	50%	51%	51%	49%	24%
rejected %	9%	8%	9%	9%	8%	5%	grade 1 events	262	230	235	315	286	153
								0%	0%	0%	0%	0%	0%
							grade 2 events	15895	16553	15816	15976	17083	45792
								16%	15%	15%	15%	15%	20%
							grade 3 events	5634	6105	5626	5732	6188	21349
								5%	5%	5%	5%	5%	9%
							grade 4 events	5545	5934	5561	5816	6123	21186
								5%	5%	5%	5%	5%	9%
							grade 5 events	661	705	690	713	713	2701
								0%	0%	0%	0%	0%	1%
							grade 6 events	13039	13793	12809	12575	15775	64707
								13%	13%	12%	12%	14%	29%
							grade 7 events	8025	7799	7827	7745	8572	9118
								8%	7%	7%	7%	7%	4%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	314.0311688984176	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-27.99176224109683	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	344.247902942036			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	82007025.32700001	82007024.55869099			
Observation start date	2000-08-07T03:43:45	2000-08-07T03:43:44			
[s] Observation end time (MET)	82051899.829	82051899.06036299			
Observation end date	2000-08-07T16:11:40	2000-08-07T16:11:39			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.5471306019574

A.2 Comments