

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 58972 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 1 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

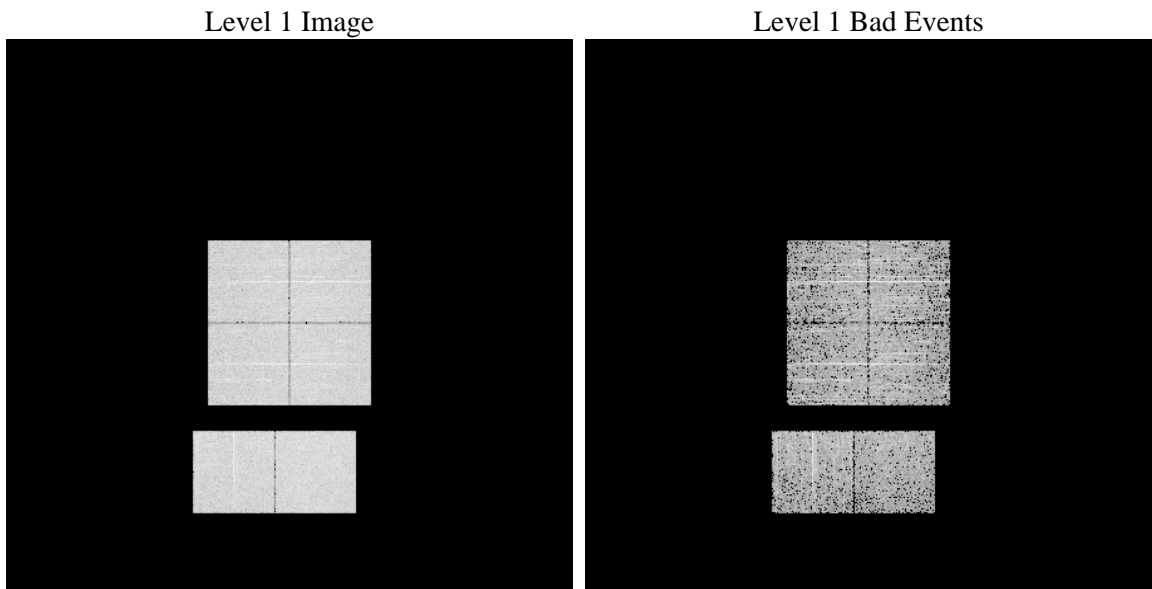
1 Front

seq_num	 	Sequence number
obs_id	58972	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	259.98558873634	Nominal RA [deg]
dec_nom	-23.974600355857	Nominal Dec [deg]
roll_nom	84.47593673476	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1967.5327124	Sum of GTIs [s]
livetime	1942.6186284896	Livetime [s]
ontime0	1837.8530600071	Sum of GTIs [s]
ontime1	1889.667534709	Sum of GTIs [s]
ontime2	1860.4579217732	Sum of GTIs [s]
ontime3	1886.5496447384	Sum of GTIs [s]
ontime6	1896.0672957897	Sum of GTIs [s]
ontime7	1967.5327124	Sum of GTIs [s]
l2events	258713	Number of level 2 events

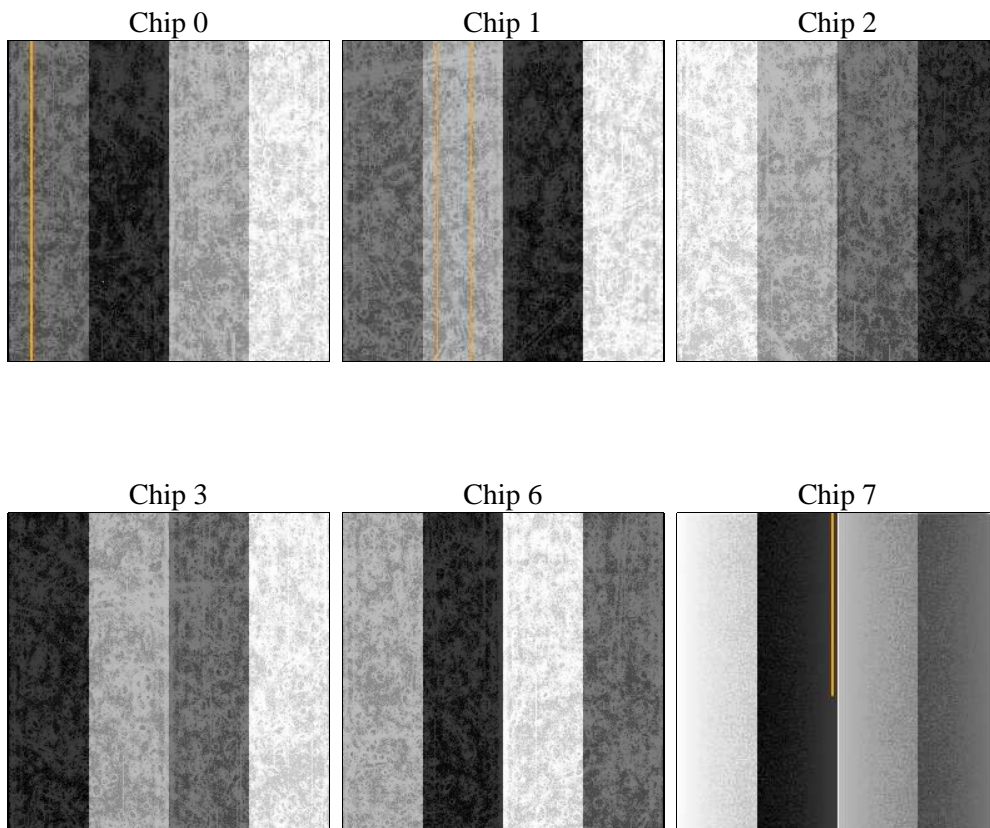
2 OBI

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	8.4.3	Processing system revision	ontime	1967.5327124	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	1837.8530600071	Sum of GTIs [s]
date	2012-04-01T05:24:58	Date and time of file creation	ontime1	1889.667534709	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1860.4579217732	Sum of GTIs [s]
			ontime3	1886.5496447384	Sum of GTIs [s]
			ontime6	1896.0672957897	Sum of GTIs [s]
			ontime7	1967.5327124	Sum of GTIs [s]
			l1events	372218	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	58762	61906	59166	61350	63795	67239	grade 0 events	22519	23328	23748	24270	24282	12455
rejected events	16474	17800	16533	17170	17626	14445		38%	37%	40%	39%	38%	18%
rejected %	28%	28%	27%	27%	27%	21%	grade 1 events	179	155	190	180	154	53
								0%	0%	0%	0%	0%	0%
							grade 2 events	7519	7968	6928	7437	7973	11415
								12%	12%	11%	12%	12%	16%
							grade 3 events	2752	2780	2759	2927	2848	4815
								4%	4%	4%	4%	4%	7%
							grade 4 events	2687	2786	2764	2729	2806	4935
								4%	4%	4%	4%	4%	7%
							grade 5 events	875	962	803	998	1085	2276
								1%	1%	1%	1%	1%	3%
							grade 6 events	6885	7314	6518	6903	8344	19249
								11%	11%	11%	11%	13%	28%
							grade 7 events	15346	16613	15456	15906	16303	12041
								26%	26%	26%	25%	25%	17%

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	259.9855887363447	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-23.97460035585693	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	84.47593673476021			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	263868560.308858	263868559.28385			
Observation start date	2006-05-13T00:49:20	2006-05-13T00:49:19			
[s] Observation end time (MET)	263881909.90948	263881908.88448			
Observation end date	2006-05-13T04:31:50	2006-05-13T04:31:48			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.9675327124

A.2 Comments