

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61571 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Sep 20 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

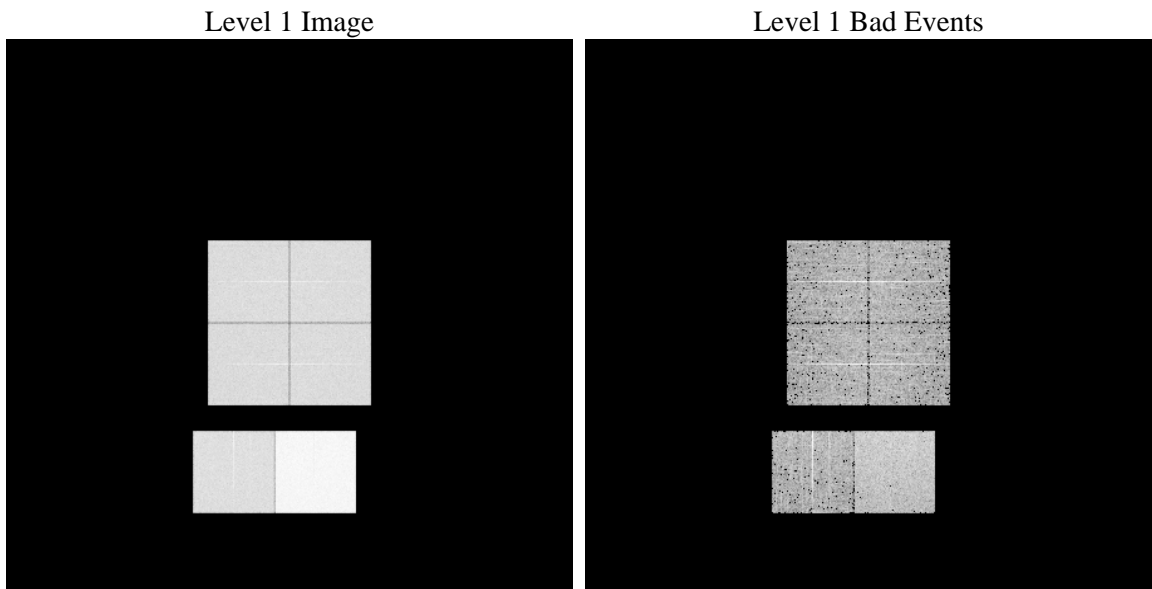
1 Front

seq_num	 	Sequence number
obs_id	61571	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	170.00301554117	Nominal RA [deg]
dec_nom	-20.028526183358	Nominal Dec [deg]
roll_nom	242.95463875634	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7269.3455645591	Sum of GTIs [s]
livetime	7177.2967339463	Livetime [s]
ontime0	2887.763482213	Sum of GTIs [s]
ontime1	2913.6919814795	Sum of GTIs [s]
ontime2	2735.435111016	Sum of GTIs [s]
ontime3	2787.2915514708	Sum of GTIs [s]
ontime6	3053.0561328828	Sum of GTIs [s]
ontime7	7269.3455645591	Sum of GTIs [s]
l2events	1334292	Number of level 2 events

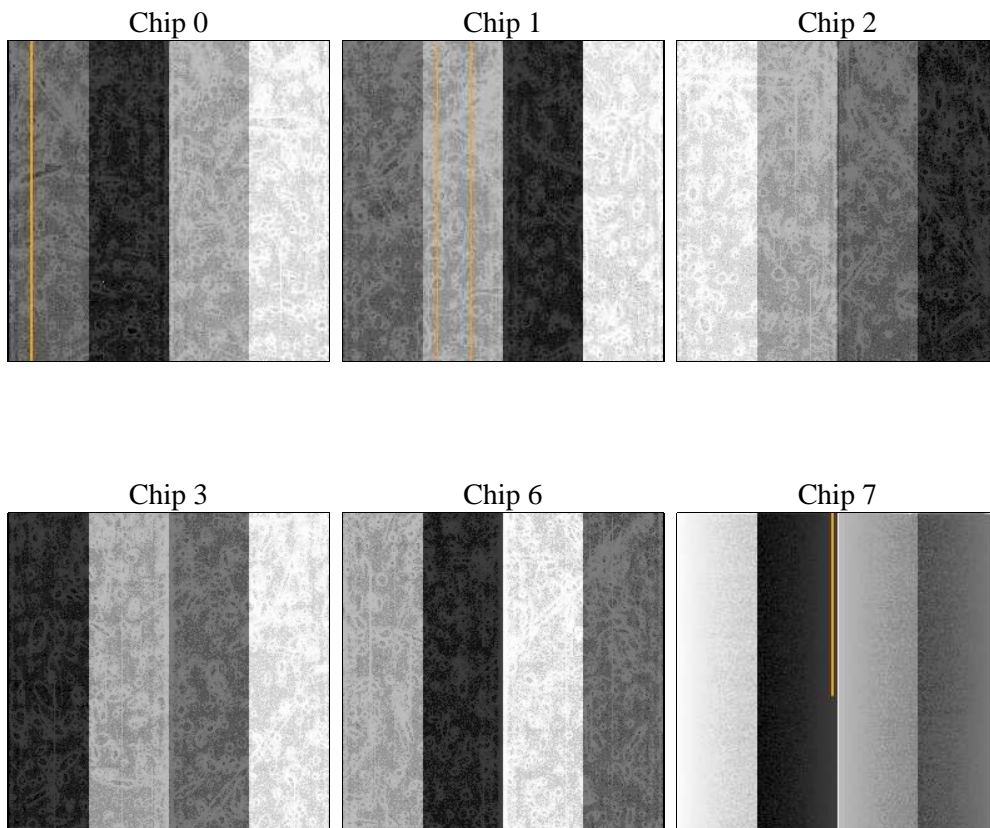
2 OBI

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	7269.3455645591	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime0	2887.763482213	Sum of GTIs [s]
date	2012-09-20T13:29:54	Date and time of file creation	ontime1	2913.6919814795	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2735.435111016	Sum of GTIs [s]
			ontime3	2787.2915514708	Sum of GTIs [s]
			ontime6	3053.0561328828	Sum of GTIs [s]
			ontime7	7269.3455645591	Sum of GTIs [s]
			l1events	1547664	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	204311	205228	195964	200299	225202	516660	grade 0 events	99776	101086	96538	99580	109695	122313
rejected events	22918	23054	22952	22856	24367	41542		48%	49%	49%	49%	48%	23%
rejected %	11%	11%	11%	11%	10%	8%	grade 1 events	546	543	531	555	558	358
								0%	0%	0%	0%	0%	0%
							grade 2 events	32480	32288	30527	31222	35033	105142
								15%	15%	15%	15%	15%	20%
							grade 3 events	11575	11541	10902	11198	12569	48708
								5%	5%	5%	5%	5%	9%
							grade 4 events	11573	11532	10937	11177	12590	48484
								5%	5%	5%	5%	5%	9%
							grade 5 events	1579	1653	1533	1628	1812	8470
								0%	0%	0%	0%	0%	1%
							grade 6 events	26599	26532	24925	24906	31742	152573
								13%	12%	12%	12%	14%	29%
							grade 7 events	20183	20053	20071	20033	21203	30612
								9%	9%	10%	10%	9%	5%

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	170.00301554117	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-20.02852618335783	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	242.9546387563353			
[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)	109914174.546296	109914173.77783			
Observation start date	2001-06-26T03:42:55	2001-06-26T03:42:53			
[s] Observation end time (MET)	109936417.047157	109936416.2787			
Observation end date	2001-06-26T09:53:37	2001-06-26T09:53:36			
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)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.2693455645591

A.2 Comments