

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60340 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 13 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

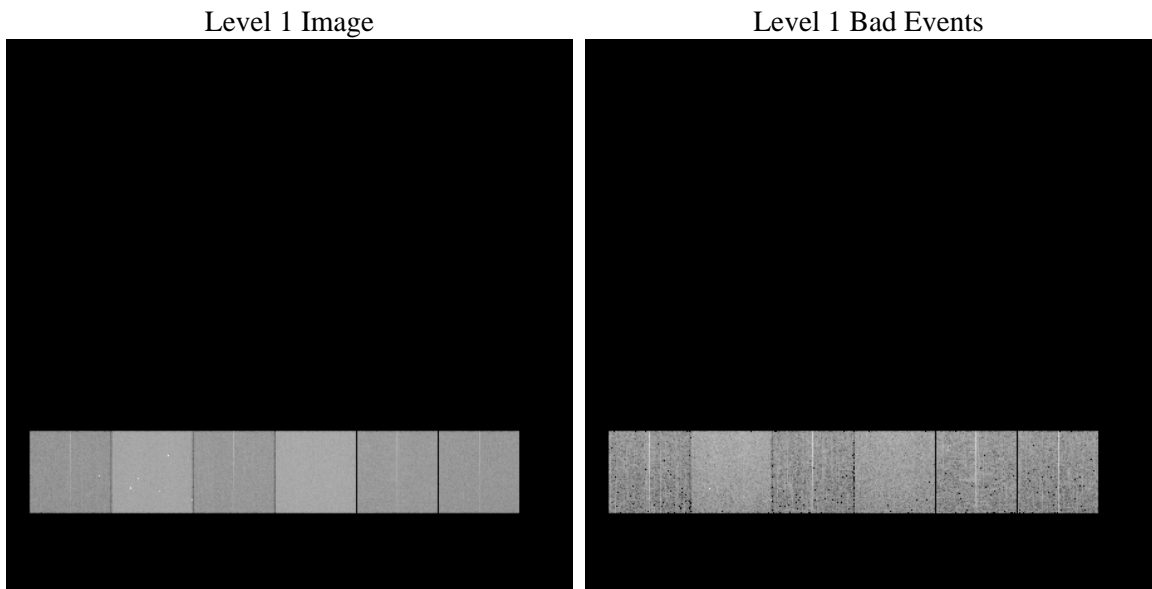
1 Front

seq_num	 	Sequence number
obs_id	60340	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	176.47141491995	Nominal RA [deg]
dec_nom	25.387653111028	Nominal Dec [deg]
roll_nom	172.69068304692	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7398.3999724388	Sum of GTIs [s]
livetime	7304.7169772062	Livetime [s]
ontime4	3661.2534193695	Sum of GTIs [s]
ontime5	7398.3999724388	Sum of GTIs [s]
ontime6	4076.3947071135	Sum of GTIs [s]
ontime7	7398.3999724388	Sum of GTIs [s]
ontime8	4221.9880761206	Sum of GTIs [s]
ontime9	3949.5404246747	Sum of GTIs [s]
l2events	1063472	Number of level 2 events

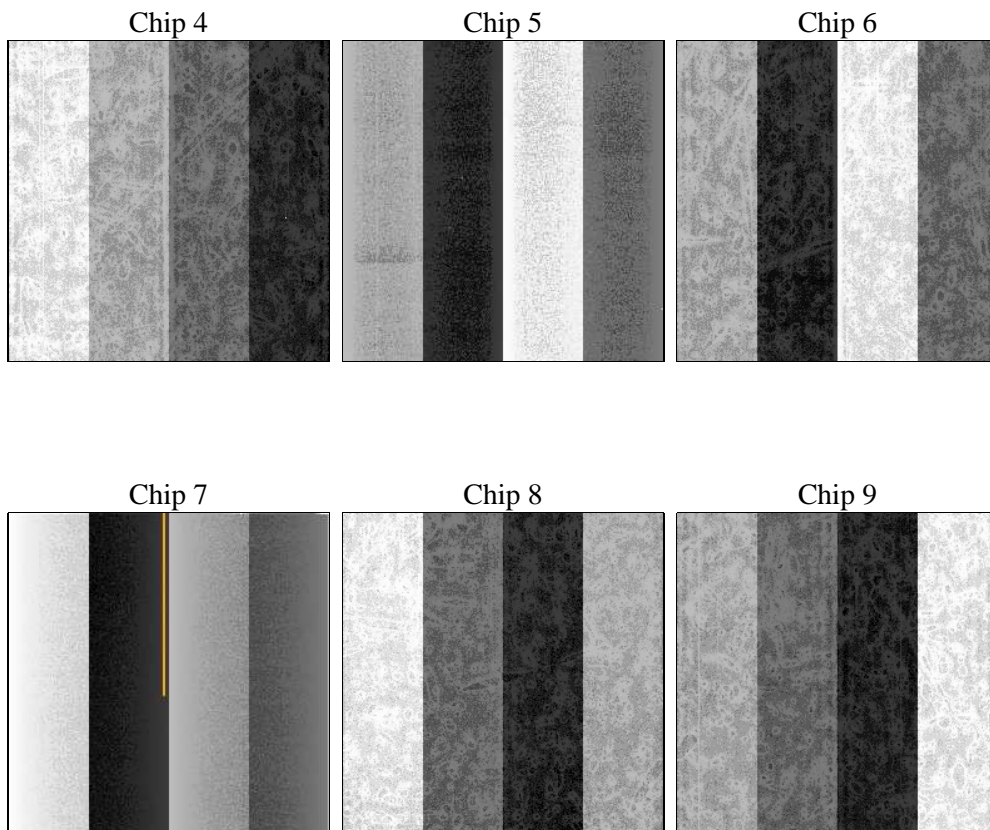
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7398.3999724388	Sum of GTIs [s]
caldbver	4.5.2	 	ontime4	3661.2534193695	Sum of GTIs [s]
date	2012-11-13T08:50:54	Date and time of file creation	ontime5	7398.3999724388	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4076.3947071135	Sum of GTIs [s]
			ontime7	7398.3999724388	Sum of GTIs [s]
			ontime8	4221.9880761206	Sum of GTIs [s]
			ontime9	3949.5404246747	Sum of GTIs [s]
			l1events	1346842	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	160804	302348	185595	324631	198042	175422	grade 0 events	74454	56464	82133	70460	87635	78447
rejected events	31464	52002	32580	43103	35227	31160		46%	18%	44%	21%	44%	44%
rejected %	19%	17%	17%	13%	17%	17%	grade 1 events	630	279	483	193	523	497
								0%	0%	0%	0%	0%	0%
							grade 2 events	20267	91079	26328	61245	28227	24243
								12%	30%	14%	18%	14%	13%
							grade 3 events	8455	14694	9451	27548	10424	9093
								5%	4%	5%	8%	5%	5%
							grade 4 events	8675	14423	9345	27156	10291	9005
								5%	4%	5%	8%	5%	5%
							grade 5 events	1884	8379	2086	7814	2410	2091
								1%	2%	1%	2%	1%	1%
							grade 6 events	17489	73793	25873	95226	26238	23474
								10%	24%	13%	29%	13%	13%
							grade 7 events	28950	43237	29896	34989	32294	28572
								18%	14%	16%	10%	16%	16%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	176.4714149199528	Alternating exposures requested	N	N
[deg] Pointing Dec	0	25.38765311102828	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	172.6906830469208			
[mm] SIM focus pos	-0.684267	-1.428180813131781			
[mm] SIM defocus	0	0.1051558262725154			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	195553408.058614	195553407.03361			
Observation start date	2004-03-13T08:23:28	2004-03-13T08:23:27			
[s] Observation end time (MET)	195573549.309498	195573548.2845			
Observation end date	2004-03-13T13:59:09	2004-03-13T13:59:08			
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)	2012.12.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.3983999724388

A.2 Comments