

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57611 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 21 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

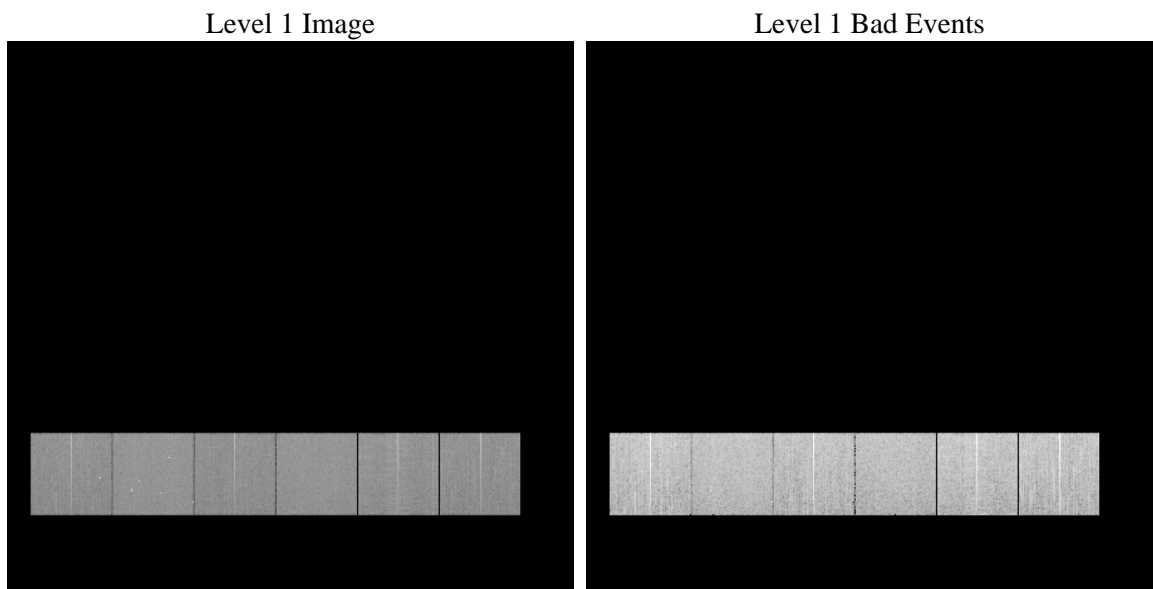
1 Front

seq_num	 	Sequence number
obs_id	57611	Observation id
title	ACIS-456789 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	335.98775624405	Nominal RA [deg]
dec_nom	16.973761256854	Nominal Dec [deg]
roll_nom	213.10396590723	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999692321	Sum of GTIs [s]
livetime	8170.4144044945	Livetime [s]
ontime4	8275.1999692321	Sum of GTIs [s]
ontime5	8275.1999692321	Sum of GTIs [s]
ontime6	8275.1999692321	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
ontime8	8275.1999692321	Sum of GTIs [s]
ontime9	8275.1999692321	Sum of GTIs [s]
l2events	592834	Number of level 2 events

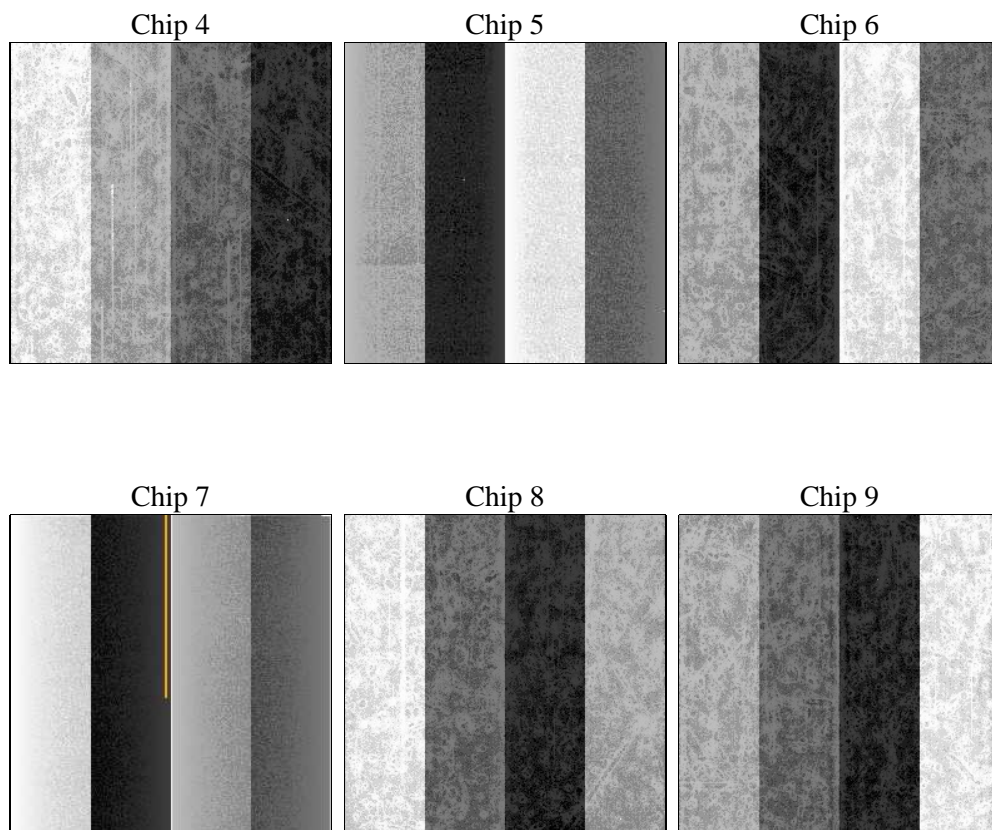
2 OBI

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	8.4.4	Processing system revision	ontime	8275.1999692321	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8275.1999692321	Sum of GTIs [s]
date	2012-05-21T09:04:44	Date and time of file creation	ontime5	8275.1999692321	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8275.1999692321	Sum of GTIs [s]
			ontime7	8275.1999692321	Sum of GTIs [s]
			ontime8	8275.1999692321	Sum of GTIs [s]
			ontime9	8275.1999692321	Sum of GTIs [s]
			l1events	1107729	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	174643	199849	170688	195439	192514	174596	grade 0 events	52603	21208	50633	24746	54934	49547
rejected events	82851	71857	75075	67850	83207	82251		30%	10%	29%	12%	28%	28%
rejected %	47%	35%	43%	34%	43%	47%	grade 1 events	548	274	387	136	368	346
								0%	0%	0%	0%	0%	0%
							grade 2 events	14742	45302	16803	27547	20166	16077
								8%	22%	9%	14%	10%	9%
							grade 3 events	6262	6228	6190	11942	7820	6226
								3%	3%	3%	6%	4%	3%
							grade 4 events	6165	6136	6183	11706	7778	6197
								3%	3%	3%	5%	4%	3%
							grade 5 events	4201	10021	4542	11221	5544	4923
								2%	5%	2%	5%	2%	2%
							grade 6 events	12020	49118	15804	51648	18652	14298
								6%	24%	9%	26%	9%	8%
							grade 7 events	78102	61562	70146	56493	77252	76982
								44%	30%	41%	28%	40%	44%

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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	335.9877562440475	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	16.97376125685358	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	213.1039659072347	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	337481758.895527	337481757.87053			
Observation start date	2008-09-11T00:55:59	2008-09-11T00:55:57			
[s] Observation end time (MET)	337494661.596161	337494660.57117			
Observation end date	2008-09-11T04:31:02	2008-09-11T04:31:00			
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)	2012.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999692321

A.2 Comments