

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53167 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 11 2013

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

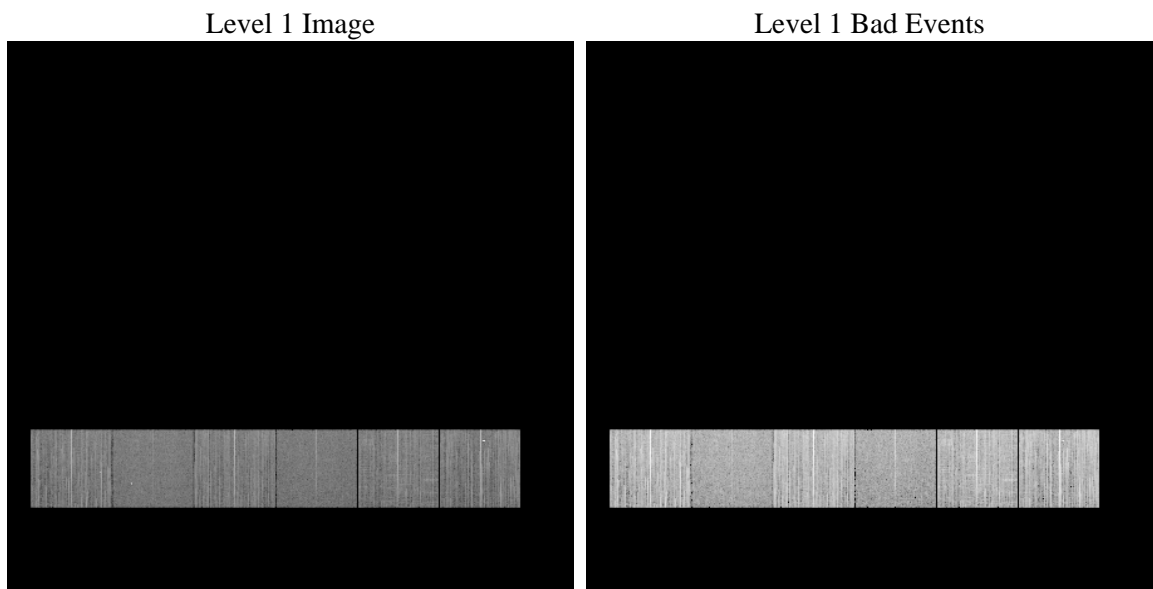
1 Front

seq_num	 	Sequence number
obs_id	53167	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	93.11184067223	Nominal RA [deg]
dec_nom	44.453261979709	Nominal Dec [deg]
roll_nom	145.37041396785	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7323.4809196591	Sum of GTIs [s]
livetime	7230.7465945836	Livetime [s]
ontime4	7323.3577996492	Sum of GTIs [s]
ontime5	7323.4398796558	Sum of GTIs [s]
ontime6	7323.3988396525	Sum of GTIs [s]
ontime7	7323.4809196591	Sum of GTIs [s]
ontime8	7323.3167596459	Sum of GTIs [s]
ontime9	7323.5219596624	Sum of GTIs [s]
l2events	186536	Number of level 2 events

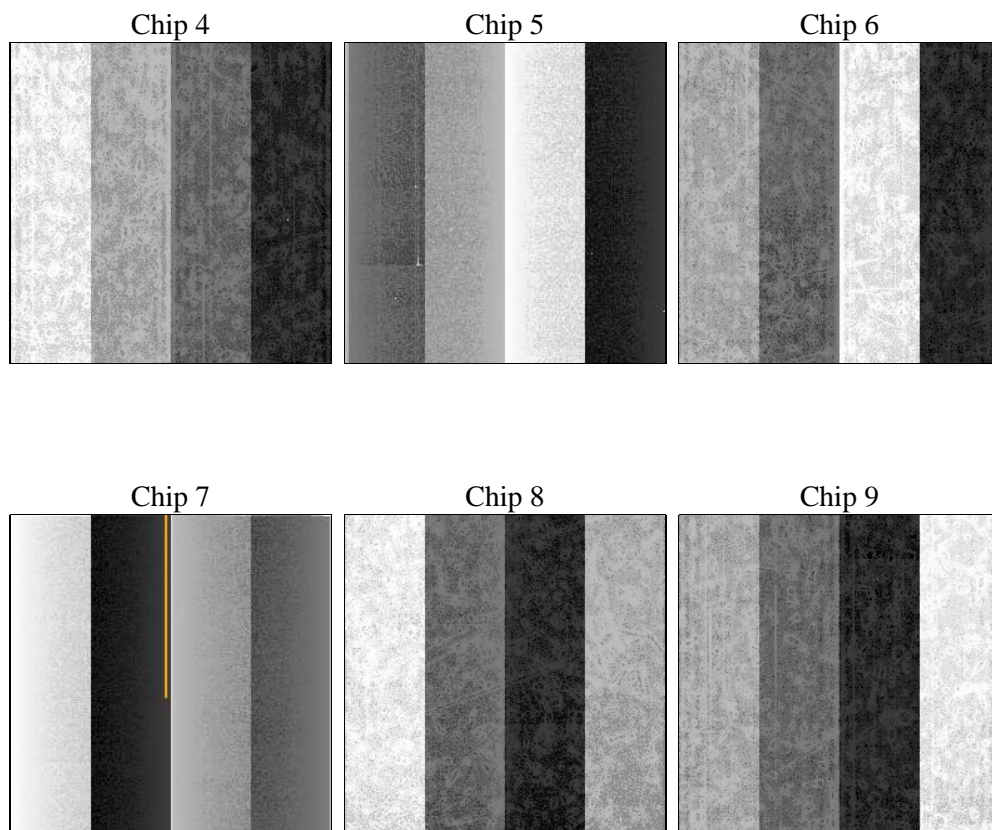
2 OBI

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	10.1.1	Processing system revision	ontime	7323.4809196591	Sum of GTIs [s]
caldbver	4.5.9	 	ontime4	7323.3577996492	Sum of GTIs [s]
date	2013-12-11T18:09:48	Date and time of file creation	ontime5	7323.4398796558	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7323.3988396525	Sum of GTIs [s]
			ontime7	7323.4809196591	Sum of GTIs [s]
			ontime8	7323.3167596459	Sum of GTIs [s]
			ontime9	7323.5219596624	Sum of GTIs [s]
			l1events	748441	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	131974	109581	134239	102867	131359	138421	grade 0 events	13451	3802	11496	6103	14539	12589
rejected events	106415	61591	108369	56928	98467	107706		10%	3%	8%	5%	11%	9%
rejected %	80%	56%	80%	55%	74%	77%	grade 1 events	91	137	47	56	74	57
								0%	0%	0%	0%	0%	0%
							grade 2 events	5086	18178	6524	11472	7110	10451
								3%	16%	4%	11%	5%	7%
							grade 3 events	1764	1414	1599	3492	2416	1632
								1%	1%	1%	3%	1%	1%
							grade 4 events	1809	1426	1517	3403	2392	1716
								1%	1%	1%	3%	1%	1%
							grade 5 events	2610	4613	2356	5898	3158	2812
								1%	4%	1%	5%	2%	2%
							grade 6 events	3449	23170	4734	21469	6435	4327
								2%	21%	3%	20%	4%	3%
							grade 7 events	103714	56841	105966	50974	95235	104837
								78%	51%	78%	49%	72%	75%

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	93.1118406722299	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	44.45326197970903	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	145.3704139678466	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	503128764.595593	503128763.57059			
Observation start date	2013-12-11T05:59:25	2013-12-11T05:59:23			
[s] Observation end time (MET)	503137987.5461	503137986.5211			
Observation end date	2013-12-11T08:33:08	2013-12-11T08:33:06			
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)	2013.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.3234809196591

A.2 Comments