

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 53033 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 5 2014

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

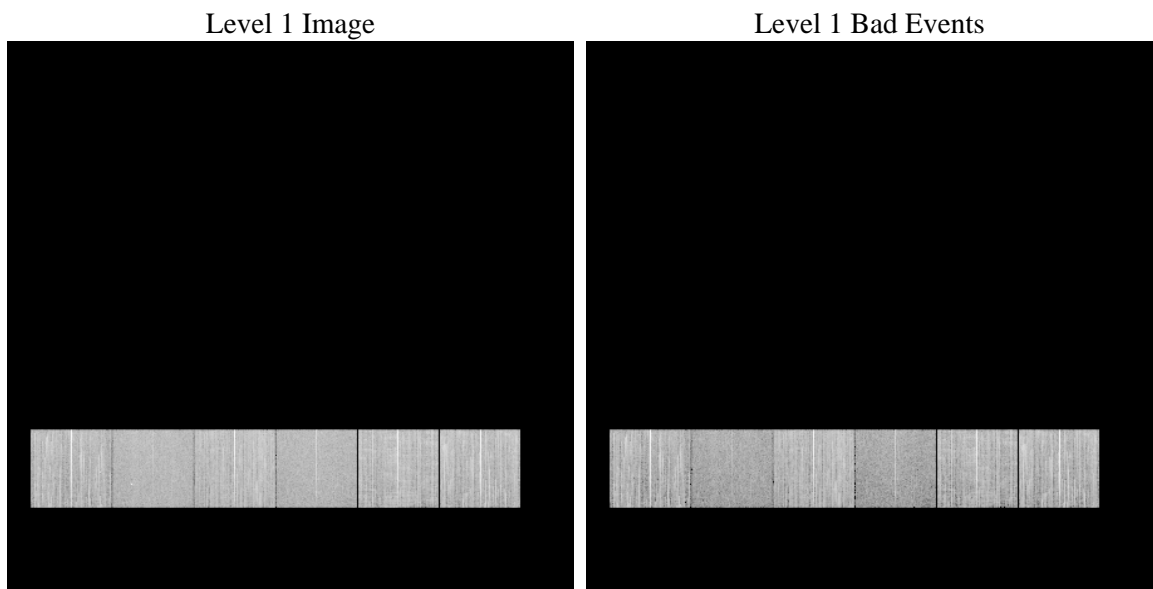
1 Front

seq_num	 	Sequence number
obs_id	53033	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	169.99088764526	Nominal RA [deg]
dec_nom	10.027271929542	Nominal Dec [deg]
roll_nom	75.451856267949	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8283.8616076708	Sum of GTIs [s]
livetime	8178.9663640518	Livetime [s]
ontime4	8283.7384876609	Sum of GTIs [s]
ontime5	8283.8205676675	Sum of GTIs [s]
ontime6	8283.7795276642	Sum of GTIs [s]
ontime7	8283.8616076708	Sum of GTIs [s]
ontime8	8283.6974476576	Sum of GTIs [s]
ontime9	8283.9026476741	Sum of GTIs [s]
l2events	207267	Number of level 2 events

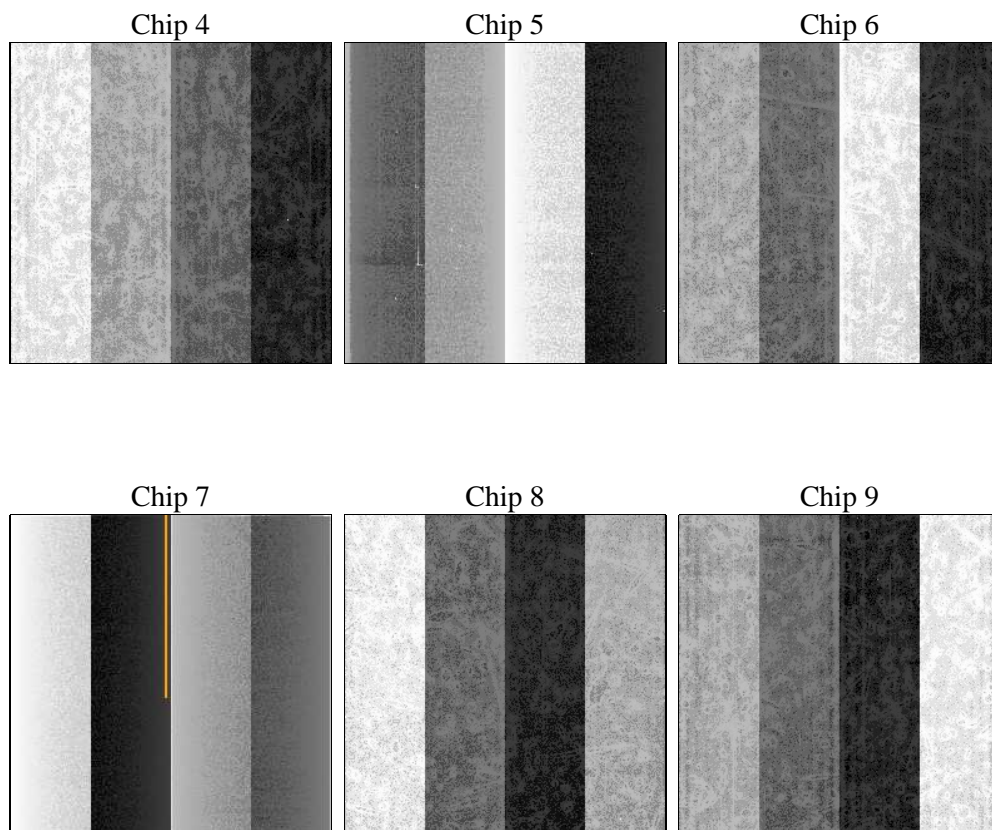
2 OBI

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	10.2.1	Processing system revision	ontime	8283.8616076708	Sum of GTIs [s]
caldsver	4.6.0	 	ontime4	8283.7384876609	Sum of GTIs [s]
date	2014-02-05T15:29:30	Date and time of file creation	ontime5	8283.8205676675	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8283.7795276642	Sum of GTIs [s]
			ontime7	8283.8616076708	Sum of GTIs [s]
			ontime8	8283.6974476576	Sum of GTIs [s]
			ontime9	8283.9026476741	Sum of GTIs [s]
			l1events	839088	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	142304	123166	154577	116851	149327	152863	grade 0 events	14759	4090	13239	6643	15946	13739
rejected events	114432	69482	125600	65527	113021	124476		10%	3%	8%	5%	10%	8%
rejected %	80%	56%	81%	56%	75%	81%	grade 1 events	108	145	63	63	80	69
								0%	0%	0%	0%	0%	0%
							grade 2 events	5548	20086	7105	12727	8051	5991
								3%	16%	4%	10%	5%	3%
							grade 3 events	1925	1653	1647	3942	2633	1860
								1%	1%	1%	3%	1%	1%
							grade 4 events	1886	1642	1692	3901	2544	1906
								1%	1%	1%	3%	1%	1%
							grade 5 events	2988	5180	2684	6668	3656	3155
								2%	4%	1%	5%	2%	2%
							grade 6 events	3754	26213	5294	24111	7132	4891
								2%	21%	3%	20%	4%	3%
							grade 7 events	111336	64157	122853	58796	109285	121252
								78%	52%	79%	50%	73%	79%

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	169.9908876452646	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	10.02727192954187	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	75.45185626794863	[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)	507926330.659162	507926329.63416			
Observation start date	2014-02-04T18:38:51	2014-02-04T18:38:49			
[s] Observation end time (MET)	507936510.959721	507936509.93472			
Observation end date	2014-02-04T21:28:31	2014-02-04T21:28:29			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2838616076708

A.2 Comments