

V&V Reference Report

L2 ASCDS Version : 10.3

Observation 52324 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 12 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

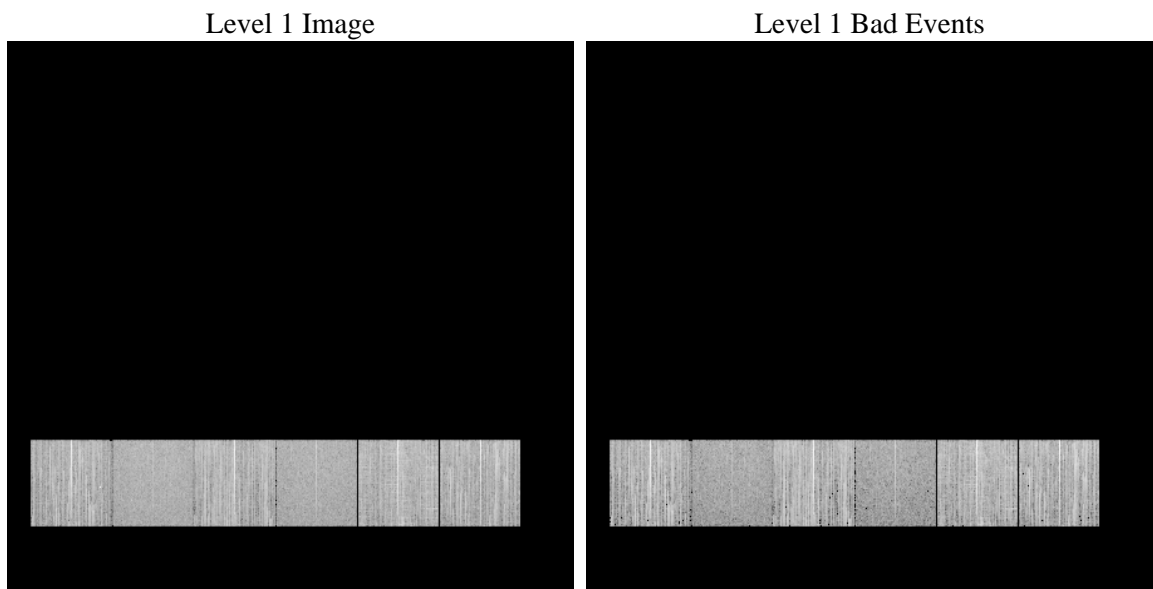
1 Front

seq_num	 	Sequence number
obs_id	52324	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	22.850579863117	Nominal RA [deg]
dec_nom	-6.1763944357404	Nominal Dec [deg]
roll_nom	315.35553688425	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5951.9999778867	Sum of GTIs [s]
livetime	5876.6321703026	Livetime [s]
ontime4	5951.9447503686	Sum of GTIs [s]
ontime5	5951.9999778867	Sum of GTIs [s]
ontime6	5951.9857903719	Sum of GTIs [s]
ontime7	5951.9999778867	Sum of GTIs [s]
ontime8	5951.9037103653	Sum of GTIs [s]
ontime9	5951.9999778867	Sum of GTIs [s]
l2events	134255	Number of level 2 events

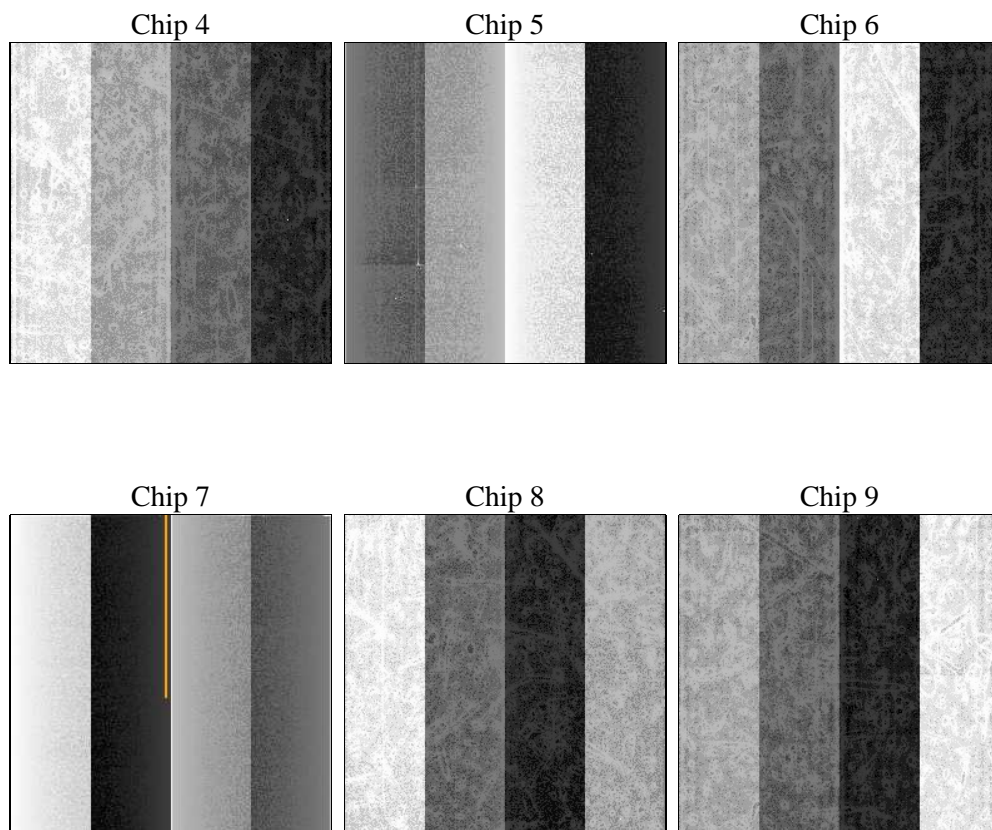
2 OBI

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	10.3	Processing system revision	ontime	5951.9999778867	Sum of GTIs [s]
caldsver	4.6.4	 	ontime4	5951.9447503686	Sum of GTIs [s]
date	2014-11-12T16:38:33	Date and time of file creation	ontime5	5951.9999778867	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5951.9857903719	Sum of GTIs [s]
			ontime7	5951.9999778867	Sum of GTIs [s]
			ontime8	5951.9037103653	Sum of GTIs [s]
			ontime9	5951.9999778867	Sum of GTIs [s]
			l1events	592694	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	100879	86695	108612	81119	111405	103984	grade 0 events	9297	2587	7882	4306	9964	8278
rejected events	83446	50181	90763	46630	87405	86503		9%	2%	7%	5%	8%	7%
rejected %	82%	57%	83%	57%	78%	83%	grade 1 events	82	103	41	52	62	42
								0%	0%	0%	0%	0%	0%
							grade 2 events	3296	13388	4495	8622	5403	3823
								3%	15%	4%	10%	4%	3%
							grade 3 events	1215	1069	1118	2560	1852	1229
								1%	1%	1%	3%	1%	1%
							grade 4 events	1238	1007	1093	2435	1792	1148
								1%	1%	1%	3%	1%	1%
							grade 5 events	2076	3658	1897	4759	2682	2281
								2%	4%	1%	5%	2%	2%
							grade 6 events	2394	18479	3269	16585	4991	3011
								2%	21%	3%	20%	4%	2%
							grade 7 events	81281	46404	88817	41800	84659	84172
								80%	53%	81%	51%	75%	80%

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	22.85057986311659	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-6.176394435740361	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	315.3555368842514	[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)	532147774.899349	532147773.87435			
Observation start date	2014-11-12T02:49:35	2014-11-12T02:49:33			
[s] Observation end time (MET)	532157768.649905	532157767.6249			
Observation end date	2014-11-12T05:36:09	2014-11-12T05:36:07			
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)	2014.11.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.9519999778867

A.2 Comments