

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 52152 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 21 2015

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

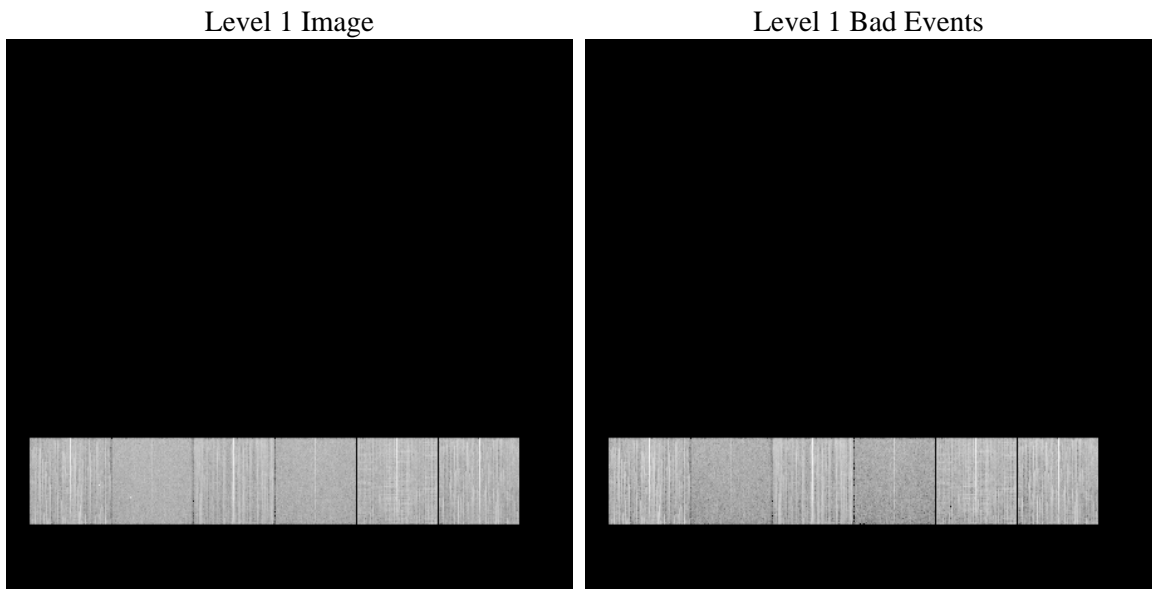
1 Front

seq_num	 	Sequence number
obs_id	52152	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	289.02128290824	Nominal RA [deg]
dec_nom	26.021620419734	Nominal Dec [deg]
roll_nom	15.755779654754	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7663.9577370882	Sum of GTIs [s]
livetime	7566.9120895399	Livetime [s]
ontime4	7663.8346170187	Sum of GTIs [s]
ontime5	7663.9166970253	Sum of GTIs [s]
ontime6	7663.8756570816	Sum of GTIs [s]
ontime7	7663.9577370882	Sum of GTIs [s]
ontime8	7663.793577075	Sum of GTIs [s]
ontime9	7663.9987770319	Sum of GTIs [s]
l2events	182580	Number of level 2 events

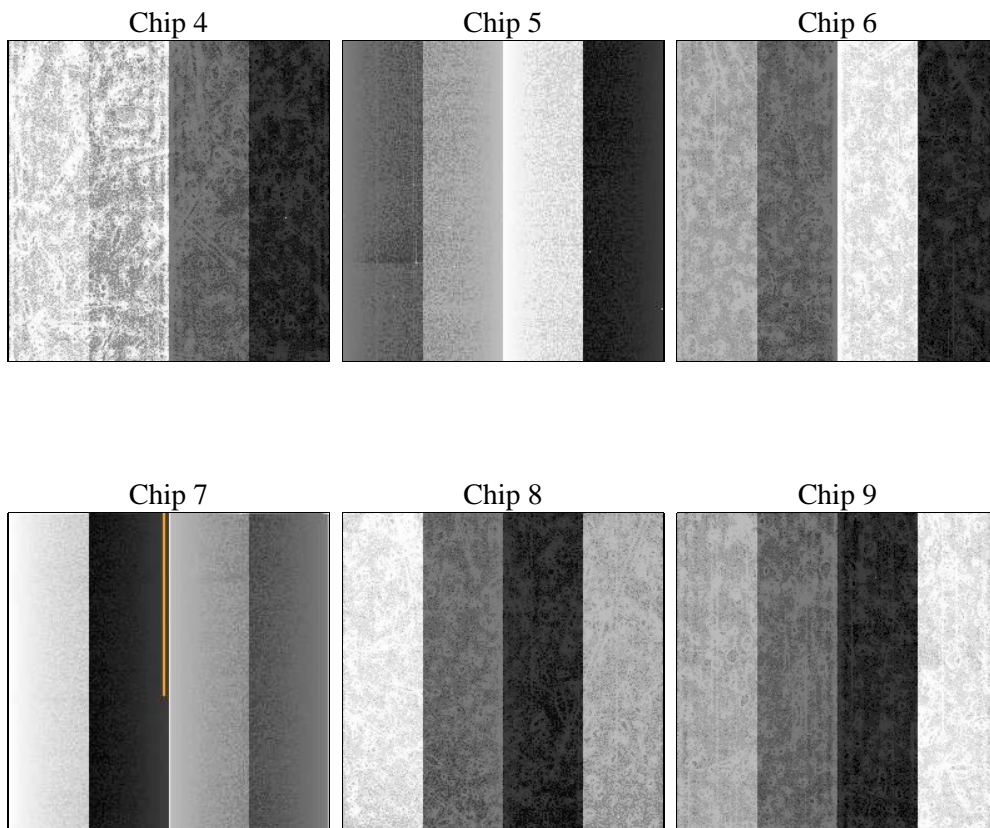
2 OBI

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	10.3.3	Processing system revision	ontime	7663.9577370882	Sum of GTIs [s]
caldsver	4.6.6	 	ontime4	7663.8346170187	Sum of GTIs [s]
date	2015-01-21T19:09:38	Date and time of file creation	ontime5	7663.9166970253	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7663.8756570816	Sum of GTIs [s]
			ontime7	7663.9577370882	Sum of GTIs [s]
			ontime8	7663.793577075	Sum of GTIs [s]
			ontime9	7663.9987770319	Sum of GTIs [s]
			l1events	808069	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	142894	118949	144848	110026	149671	141681	grade 0 events	12413	4274	11083	6212	13630	11225
rejected events	119411	67653	121114	62565	117026	118480		8%	3%	7%	5%	9%	7%
rejected %	83%	56%	83%	56%	78%	83%	grade 1 events	103	171	59	72	71	86
								0%	0%	0%	0%	0%	0%
							grade 2 events	4504	18996	5191	11624	6898	4644
								3%	15%	3%	10%	4%	3%
							grade 3 events	1678	1728	1555	3762	2643	1697
								1%	1%	1%	3%	1%	1%
							grade 4 events	1623	1700	1566	3613	2535	1573
								1%	1%	1%	3%	1%	1%
							grade 5 events	2918	5641	2920	6818	3823	3084
								2%	4%	2%	6%	2%	2%
							grade 6 events	3265	24598	4339	22250	6939	4062
								2%	20%	2%	20%	4%	2%
							grade 7 events	116390	61841	118135	55675	113132	115310
								81%	51%	81%	50%	75%	81%

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	289.0212829082394	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	26.02162041973367	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	15.75577965475384	[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)	538091967.530664	538091966.5056601			
Observation start date	2015-01-19T21:59:28	2015-01-19T21:59:26			
[s] Observation end time (MET)	538101374.981189	538101373.95619			
Observation end date	2015-01-20T00:36:15	2015-01-20T00:36:13			
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)	2015.01.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.6639577370882

A.2 Comments