

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51108 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 11 2016

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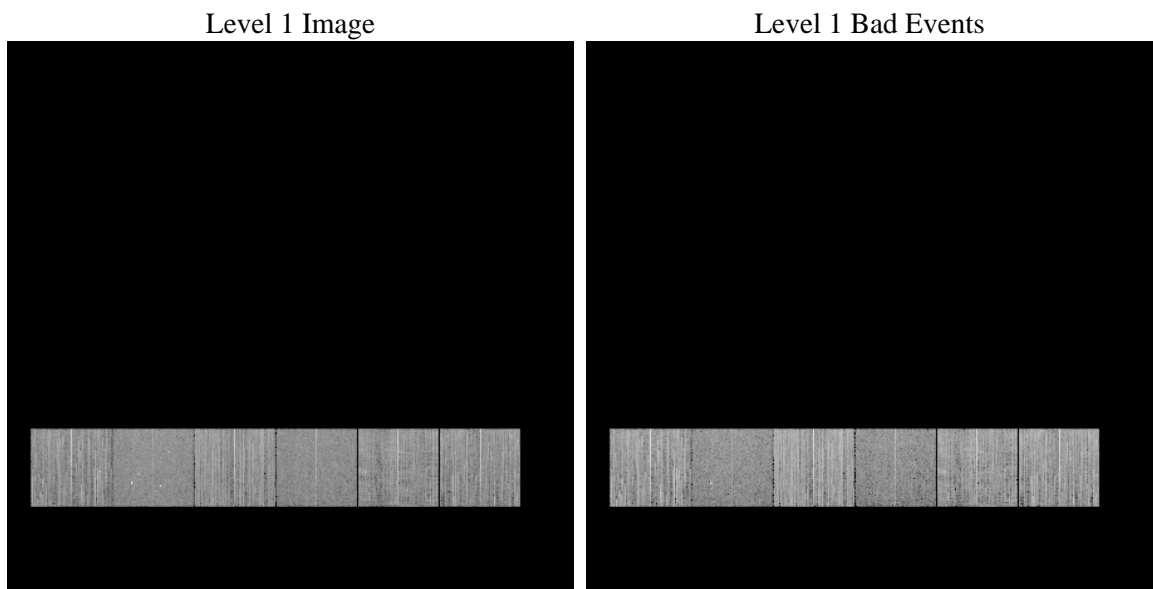
1 Front

seq_num	 	Sequence number
obs_id	51108	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	214.57091046063	Nominal RA [deg]
dec_nom	10.802887208438	Nominal Dec [deg]
roll_nom	141.63289346898	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4473.6000666618	Sum of GTIs [s]
livetime	4416.9526489392	Livetime [s]
ontime4	4473.6000666618	Sum of GTIs [s]
ontime5	4473.6000666618	Sum of GTIs [s]
ontime6	4473.6000666618	Sum of GTIs [s]
ontime7	4473.6000666618	Sum of GTIs [s]
ontime8	4473.6000666618	Sum of GTIs [s]
ontime9	4473.6000666618	Sum of GTIs [s]
l2events	100488	Number of level 2 events

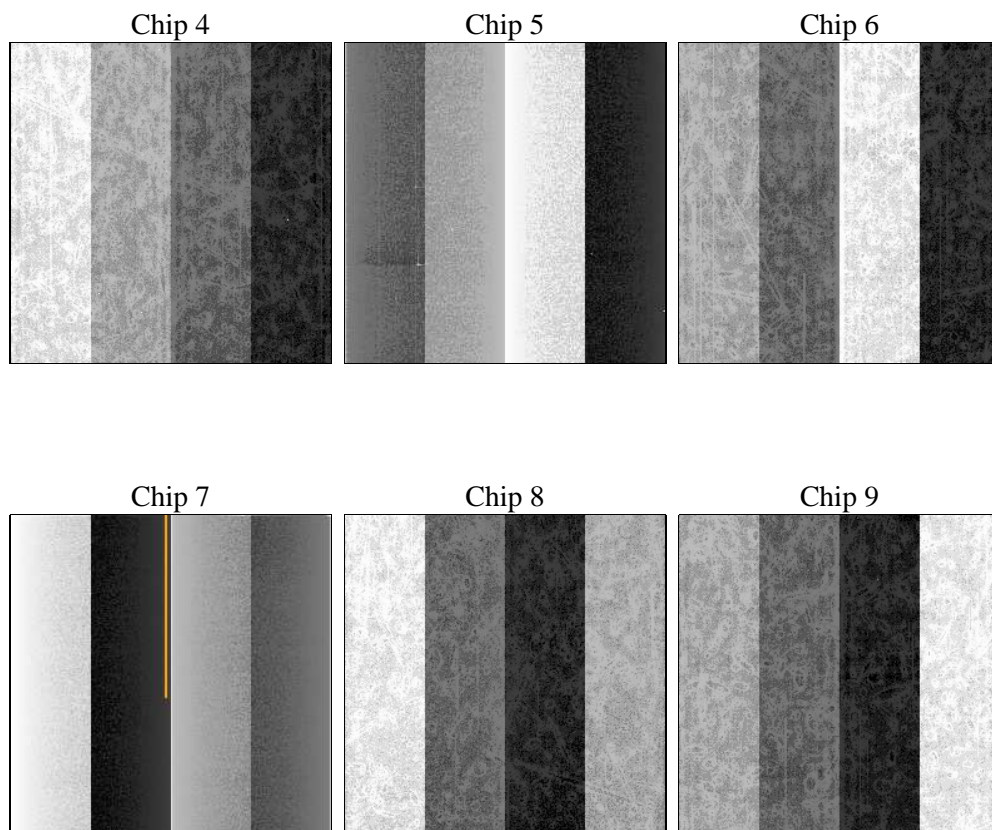
2 OBI

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	10.4.3.1	Processing system revision	ontime	4473.6000666618	Sum of GTIs [s]
caldbver	4.7.1	 	ontime4	4473.6000666618	Sum of GTIs [s]
date	2016-04-11T12:30:06	Date and time of file creation	ontime5	4473.6000666618	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	4473.6000666618	Sum of GTIs [s]
			ontime7	4473.6000666618	Sum of GTIs [s]
			ontime8	4473.6000666618	Sum of GTIs [s]
			ontime9	4473.6000666618	Sum of GTIs [s]
			l1events	539157	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	92235	82977	103812	74145	91510	94478	grade 0 events	6326	4260	5316	3129	7157	5444
rejected events	80307	48725	92305	45733	73727	82978		6%	5%	5%	4%	7%	5%
rejected %	87%	58%	88%	61%	80%	87%	grade 1 events	83	99	39	58	40	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	2433	12273	2652	7142	3968	2522
								2%	14%	2%	9%	4%	2%
							grade 3 events	862	1066	818	2188	1584	842
								0%	1%	0%	2%	1%	0%
							grade 4 events	865	908	759	2199	1500	815
								0%	1%	0%	2%	1%	0%
							grade 5 events	2011	4002	1955	4743	2620	2182
								2%	4%	1%	6%	2%	2%
							grade 6 events	1698	16507	2226	14399	4024	2142
								1%	19%	2%	19%	4%	2%
							grade 7 events	77957	43862	90047	40287	70617	80490
								84%	52%	86%	54%	77%	85%

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	214.5709104606348	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	10.8028872084377	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	141.6328934689813	[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)	576713966.3344181	576713965.30942			
Observation start date	2016-04-10T22:19:26	2016-04-10T22:19:25			
[s] Observation end time (MET)	576719689.934745	576719688.90975			
Observation end date	2016-04-10T23:54:50	2016-04-10T23:54:48			
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)	2016.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.4736000666618

A.2 Comments