

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51090 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 19 2016

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

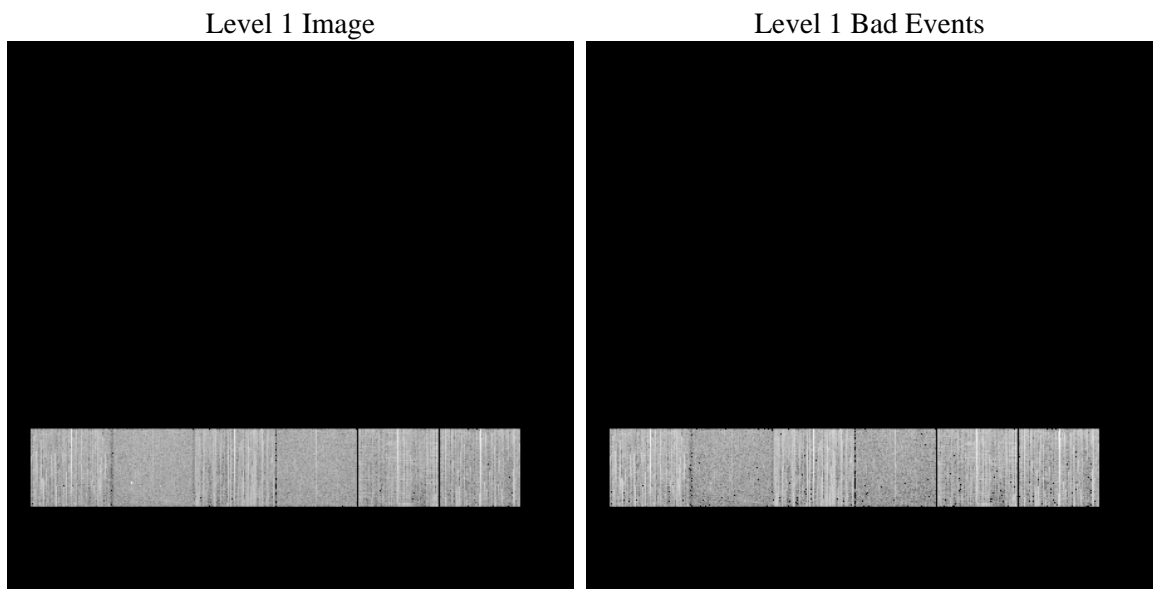
1 Front

seq_num	 	Sequence number
obs_id	51090	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	349.97114967916	Nominal RA [deg]
dec_nom	-19.990245194703	Nominal Dec [deg]
roll_nom	127.32585161561	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3424.0000510216	Sum of GTIs [s]
livetime	3380.6433006902	Livetime [s]
ontime4	3424.0000510216	Sum of GTIs [s]
ontime5	3424.0000510216	Sum of GTIs [s]
ontime6	3424.0000510216	Sum of GTIs [s]
ontime7	3424.0000510216	Sum of GTIs [s]
ontime8	3424.0000510216	Sum of GTIs [s]
ontime9	3424.0000510216	Sum of GTIs [s]
l2events	74550	Number of level 2 events

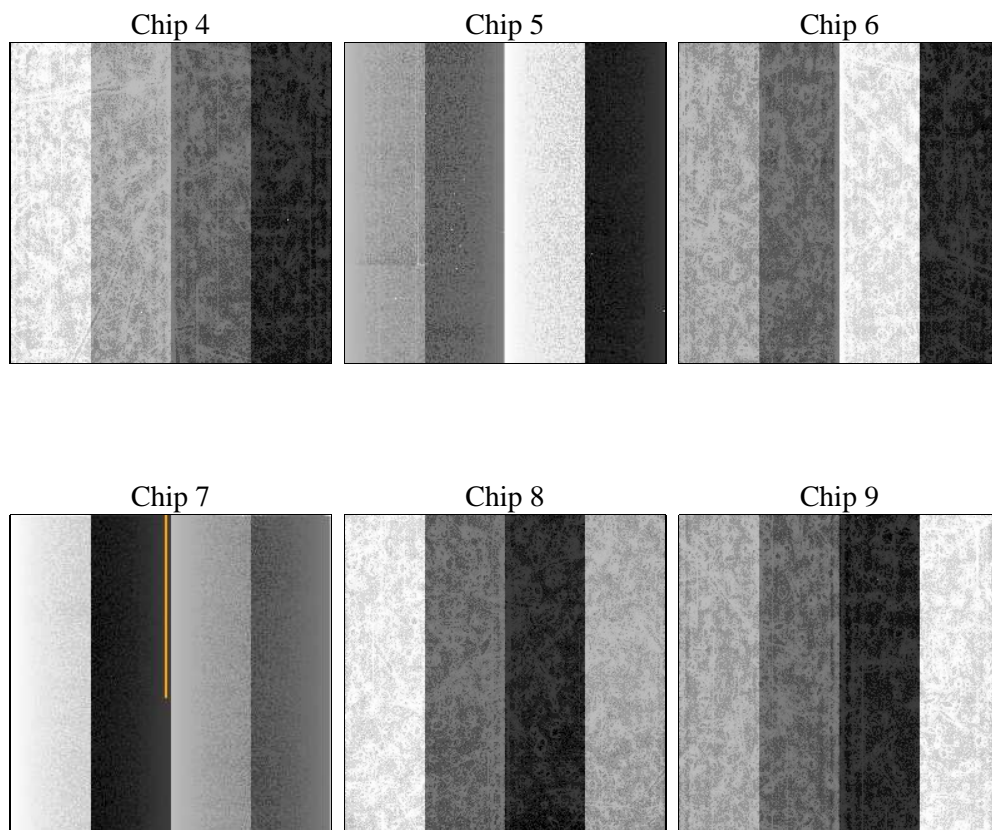
2 OBI

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	3424.0000510216	Sum of GTIs [s]
caldbver	4.7.1	 	ontime4	3424.0000510216	Sum of GTIs [s]
date	2016-04-19T05:57:41	Date and time of file creation	ontime5	3424.0000510216	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3424.0000510216	Sum of GTIs [s]
			ontime7	3424.0000510216	Sum of GTIs [s]
			ontime8	3424.0000510216	Sum of GTIs [s]
			ontime9	3424.0000510216	Sum of GTIs [s]
			l1events	417312	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	75963	59206	79765	54921	74191	73266	grade 0 events	4181	1754	3433	2007	4924	3708
rejected events	67385	35184	71184	34169	60859	64750		5%	2%	4%	3%	6%	5%
rejected %	88%	59%	89%	62%	82%	88%	grade 1 events	47	143	22	42	24	26
								0%	0%	0%	0%	0%	0%
							grade 2 events	1848	8386	2412	5267	3263	2056
								2%	14%	3%	9%	4%	2%
							grade 3 events	691	654	489	1450	1066	556
								0%	1%	0%	2%	1%	0%
							grade 4 events	665	648	512	1334	1051	601
								0%	1%	0%	2%	1%	0%
							grade 5 events	1479	2625	1288	3277	1919	1631
								1%	4%	1%	5%	2%	2%
							grade 6 events	1193	12580	1735	10694	3032	1595
								1%	21%	2%	19%	4%	2%
							grade 7 events	65859	32416	69874	30850	58912	63093
								86%	54%	87%	56%	79%	86%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	349.9711496791641
[deg] Pointing Dec	0	-19.99024519470321
[deg] Pointing Roll	0.0	127.3258516156054
[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)	577396110.02337	577396108.9983701
Observation start date	2016-04-18T19:48:30	2016-04-18T19:48:28
[s] Observation end time (MET)	577403844.673811	577403843.64881
Observation end date	2016-04-18T21:57:25	2016-04-18T21:57:23
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.4240000510216

A.2 Comments