

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 51847 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 6 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

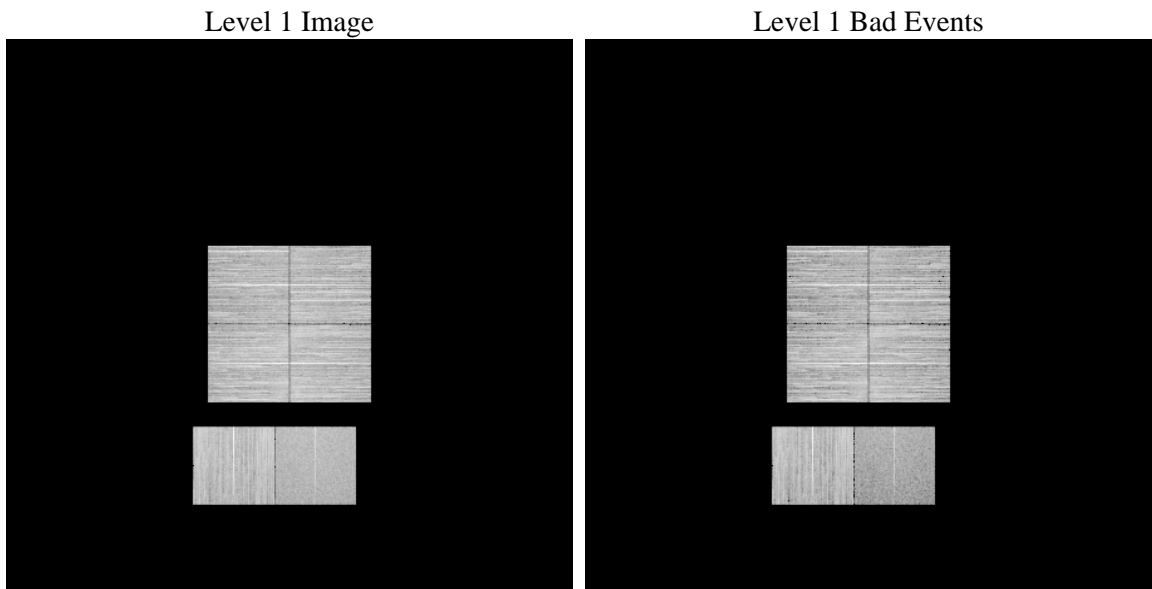
1 Front

seq_num	 	Sequence number
obs_id	51847	Observation id
title	ACIS-012367 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	263.40932628015	Nominal RA [deg]
dec_nom	-25.412911135137	Nominal Dec [deg]
roll_nom	86.965237205172	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8088.6384887695	Sum of GTIs [s]
livetime	7986.2152778314	Livetime [s]
ontime0	8088.5974487066	Sum of GTIs [s]
ontime1	8088.5564087629	Sum of GTIs [s]
ontime2	8088.5153687	Sum of GTIs [s]
ontime3	8088.6795287132	Sum of GTIs [s]
ontime6	8088.4743287563	Sum of GTIs [s]
ontime7	8088.6384887695	Sum of GTIs [s]
l2events	147093	Number of level 2 events

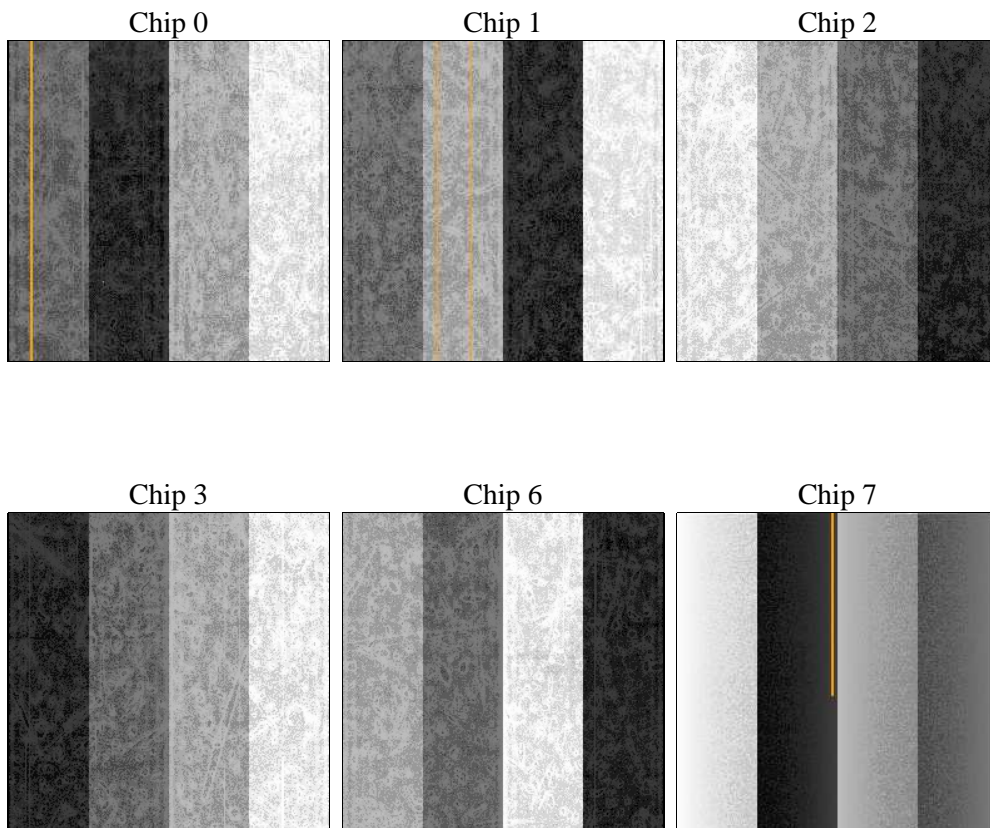
2 OBI

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	Processing system revision	ontime	8088.6384887695	Sum of GTIs [s]
caldbver	4.6.7	 	ontime0	8088.5974487066	Sum of GTIs [s]
date	2015-06-06T16:36:28	Date and time of file creation	ontime1	8088.5564087629	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8088.5153687	Sum of GTIs [s]
			ontime3	8088.6795287132	Sum of GTIs [s]
			ontime6	8088.4743287563	Sum of GTIs [s]
			ontime7	8088.6384887695	Sum of GTIs [s]
			l1events	881775	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	138425	144864	163111	158957	160079	116339	grade 0 events	10704	10179	11164	11083	10439	6001
rejected events	116816	123196	141291	137383	137605	68837		7%	7%	6%	6%	6%	5%
rejected %	84%	85%	86%	86%	85%	59%	grade 1 events	50	47	70	72	63	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	4697	5133	4572	4407	5274	12019
								3%	3%	2%	2%	3%	10%
							grade 3 events	1583	1512	1545	1596	1560	3701
								1%	1%	0%	1%	0%	3%
							grade 4 events	1502	1439	1601	1601	1513	3782
								1%	0%	0%	1%	0%	3%
							grade 5 events	2723	2870	2624	3204	3073	7529
								1%	1%	1%	2%	1%	6%
							grade 6 events	3638	3926	3470	3464	4230	23201
								2%	2%	2%	2%	2%	19%
							grade 7 events	113528	119758	138065	133530	133927	60024
								82%	82%	84%	84%	83%	51%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	263.4093262801536
[deg] Pointing Dec	0	-25.41291113513682
[deg] Pointing Roll	0.0	86.96523720517231
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	549934455.343663	549934455.343663
Observation start date	2015-06-05T23:34:15	2015-06-05T23:34:15
[s] Observation end time (MET)	549944002.775189	549944002.775189
Observation end date	2015-06-06T02:13:23	2015-06-06T02:13:22
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0886384887695

A.2 Comments