

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51114 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 10 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

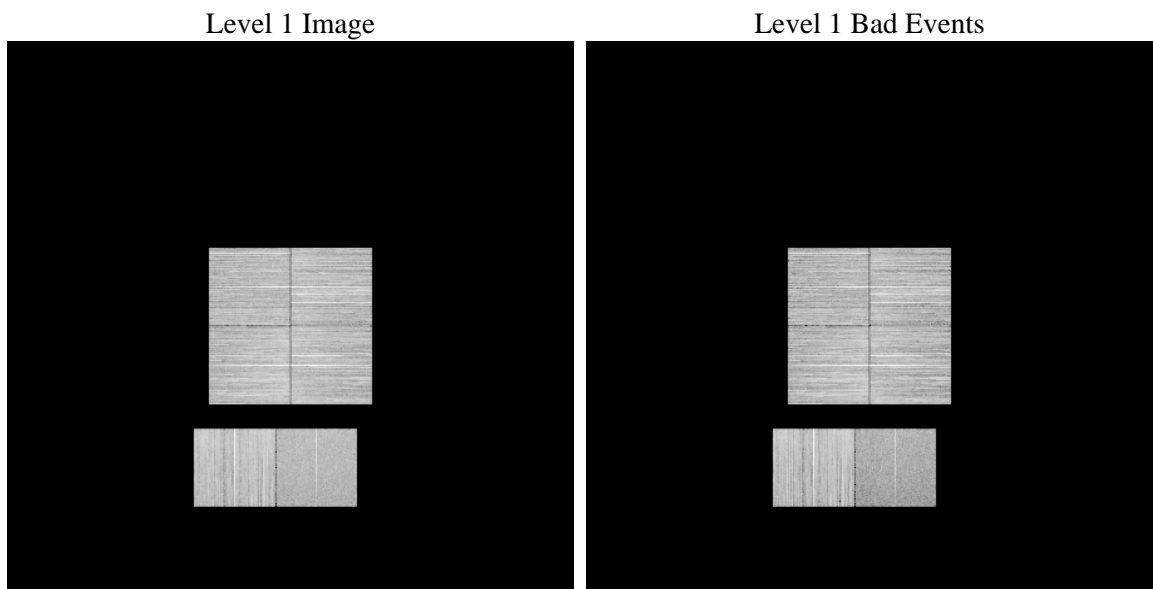
1 Front

seq_num	 	Sequence number
obs_id	51114	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	225.44628782727	Nominal RA [deg]
dec_nom	13.172077840355	Nominal Dec [deg]
roll_nom	133.536036912	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8038.4001197815	Sum of GTIs [s]
livetime	7936.6130573214	Livetime [s]
ontime0	8038.4001197815	Sum of GTIs [s]
ontime1	8038.4001197815	Sum of GTIs [s]
ontime2	8038.4001197815	Sum of GTIs [s]
ontime3	8038.4001197815	Sum of GTIs [s]
ontime6	8038.3669267893	Sum of GTIs [s]
ontime7	8038.4001197815	Sum of GTIs [s]
l2events	146573	Number of level 2 events

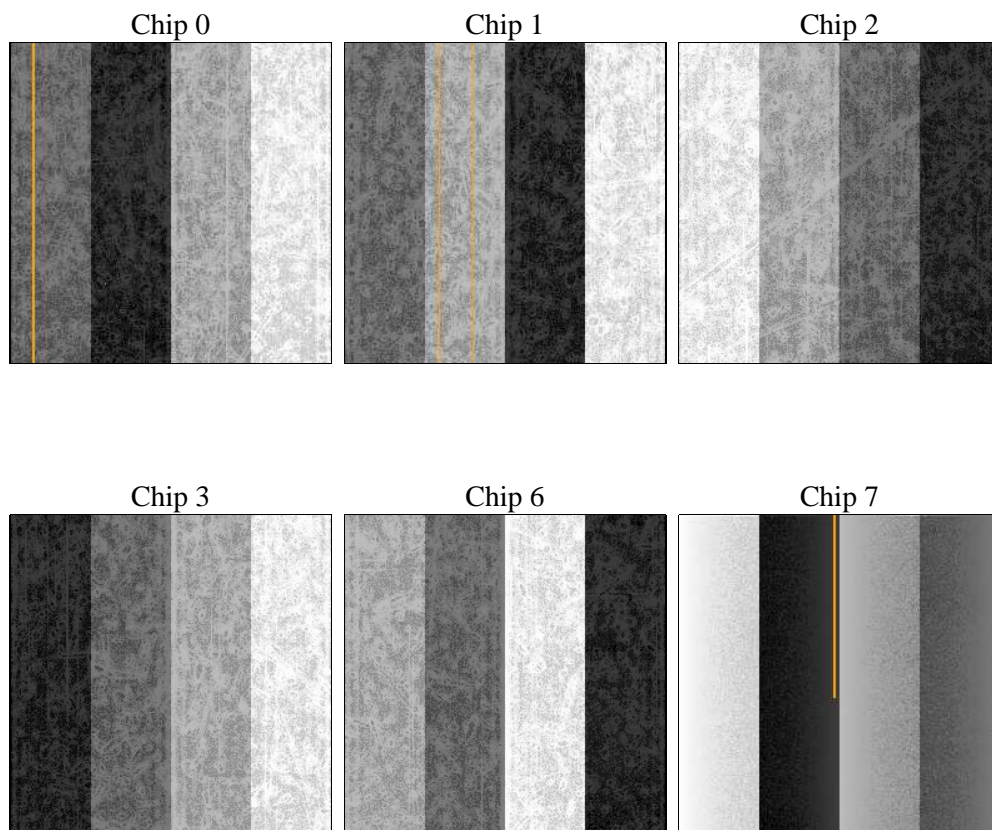
2 OBI

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	8038.4001197815	Sum of GTIs [s]
caldsver	4.7.1	 	ontime0	8038.4001197815	Sum of GTIs [s]
date	2016-04-10T20:38:55	Date and time of file creation	ontime1	8038.4001197815	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8038.4001197815	Sum of GTIs [s]
			ontime3	8038.4001197815	Sum of GTIs [s]
			ontime6	8038.3669267893	Sum of GTIs [s]
			ontime7	8038.4001197815	Sum of GTIs [s]
			l1events	1075051	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	170408	185248	195048	186041	201795	136511	grade 0 events	9733	8737	10216	10377	9067	5297
rejected events	149309	164154	174166	164973	180184	85856		5%	4%	5%	5%	4%	3%
rejected %	87%	88%	89%	88%	89%	62%	grade 1 events	71	39	69	83	48	106
								0%	0%	0%	0%	0%	0%
							grade 2 events	5222	6082	4918	4658	6048	13390
								3%	3%	2%	2%	2%	9%
							grade 3 events	1430	1381	1435	1526	1365	3567
								0%	0%	0%	0%	0%	2%
							grade 4 events	1446	1364	1507	1518	1310	3465
								0%	0%	0%	0%	0%	2%
							grade 5 events	3213	3121	2899	3618	3228	8281
								1%	1%	1%	1%	1%	6%
							grade 6 events	3953	4285	3552	3719	4583	26490
								2%	2%	1%	1%	2%	19%
							grade 7 events	145340	160239	170452	160542	176146	75915
								85%	86%	87%	86%	87%	55%

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	225.4462878272743
[deg] Pointing Dec	0	13.17207784035455
[deg] Pointing Roll	0.0	133.5360369120006
SIM focus pos (mm)	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	576665036.931622	576665036.931622
Observation start date	2016-04-10T08:43:57	2016-04-10T08:43:56
[s] Observation end time (MET)	576674323.7888629	576674323.7888629
Observation end date	2016-04-10T11:18:44	2016-04-10T11:18:43
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0384001197815

A.2 Comments