

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 50973 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 5 2016

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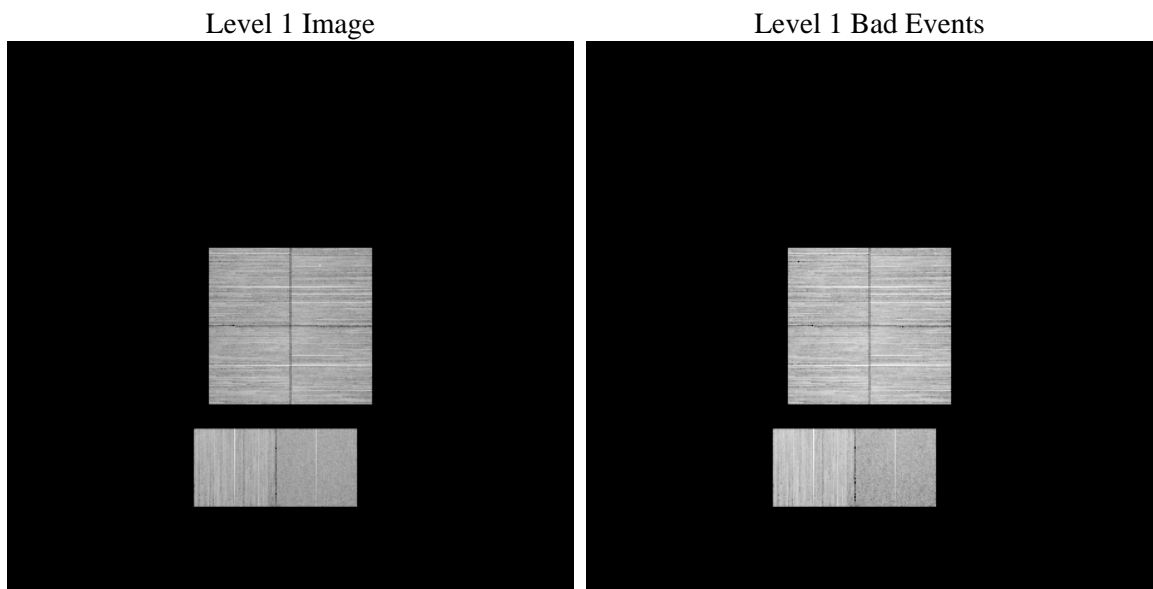
1 Front

seq_num	 	Sequence number
obs_id	50973	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	265.79933516867	Nominal RA [deg]
dec_nom	0.1071468382831	Nominal Dec [deg]
roll_nom	153.92333216729	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8134.400121212	Sum of GTIs [s]
livetime	8031.3974489295	Livetime [s]
ontime0	8134.400121212	Sum of GTIs [s]
ontime1	8134.400121212	Sum of GTIs [s]
ontime2	8134.400121212	Sum of GTIs [s]
ontime3	8134.400121212	Sum of GTIs [s]
ontime6	8134.400121212	Sum of GTIs [s]
ontime7	8134.400121212	Sum of GTIs [s]
l2events	143544	Number of level 2 events

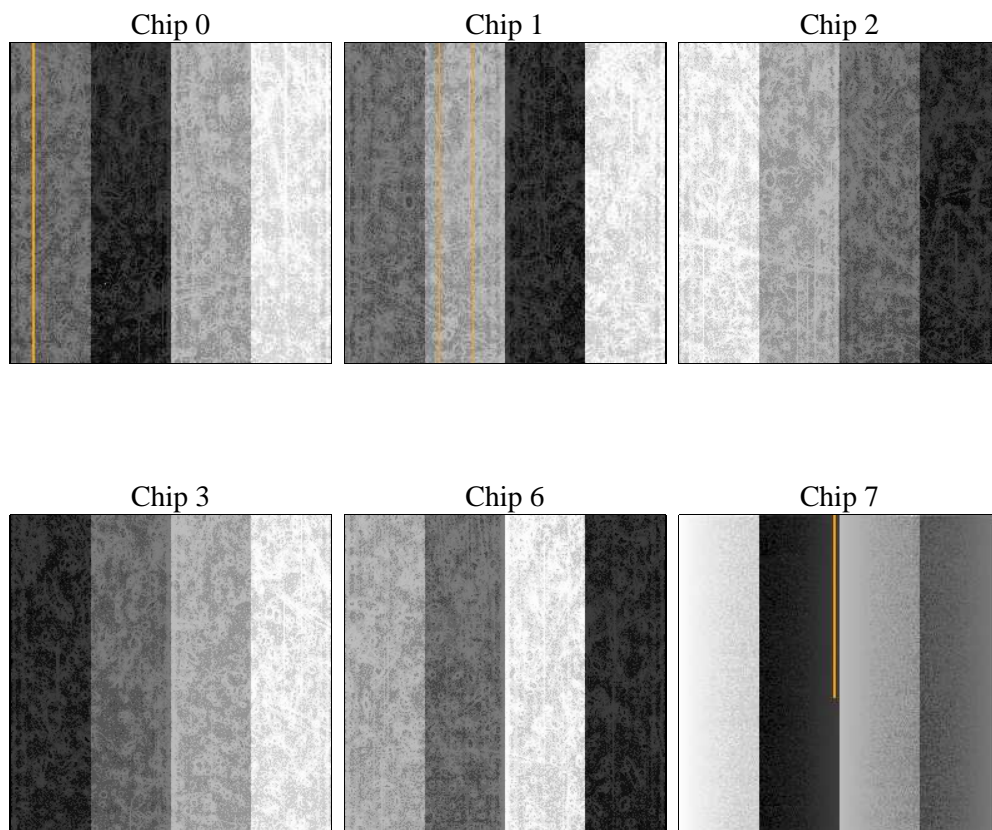
2 OBI

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	8134.400121212	Sum of GTIs [s]
caldsver	4.7.2	 	ontime0	8134.400121212	Sum of GTIs [s]
date	2016-06-05T20:00:05	Date and time of file creation	ontime1	8134.400121212	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8134.400121212	Sum of GTIs [s]
			ontime3	8134.400121212	Sum of GTIs [s]
			ontime6	8134.400121212	Sum of GTIs [s]
			ontime7	8134.400121212	Sum of GTIs [s]
			l1events	1099998	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	175153	186140	197824	197426	202597	140858	grade 0 events	9265	9566	9807	9552	9068	5318
rejected events	155096	165019	177663	177573	182068	88498		5%	5%	4%	4%	4%	3%
rejected %	88%	88%	89%	89%	89%	62%	grade 1 events	73	56	74	75	64	113
								0%	0%	0%	0%	0%	0%
							grade 2 events	4653	5229	4418	4368	5040	13298
								2%	2%	2%	2%	2%	9%
							grade 3 events	1482	1441	1504	1412	1318	3727
								0%	0%	0%	0%	0%	2%
							grade 4 events	1386	1414	1511	1460	1405	3508
								0%	0%	0%	0%	0%	2%
							grade 5 events	3485	3439	3181	3870	3656	8740
								1%	1%	1%	1%	1%	6%
							grade 6 events	3605	3875	3293	3421	4063	27413
								2%	2%	1%	1%	2%	19%
							grade 7 events	151204	161120	174036	173268	177983	78741
								86%	86%	87%	87%	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	265.799335168667
[deg] Pointing Dec	0	0.1071468382830993
[deg] Pointing Roll	0.0	153.9233321672891
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)	581465001.506117	581465001.506117
Observation start date	2016-06-04T22:03:22	2016-06-04T22:03:21
[s] Observation end time (MET)	581474550.177794	581474550.177794
Observation end date	2016-06-05T00:42:30	2016-06-05T00:42:30
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)	2016.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.134400121212

A.2 Comments