

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 52098 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 8 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

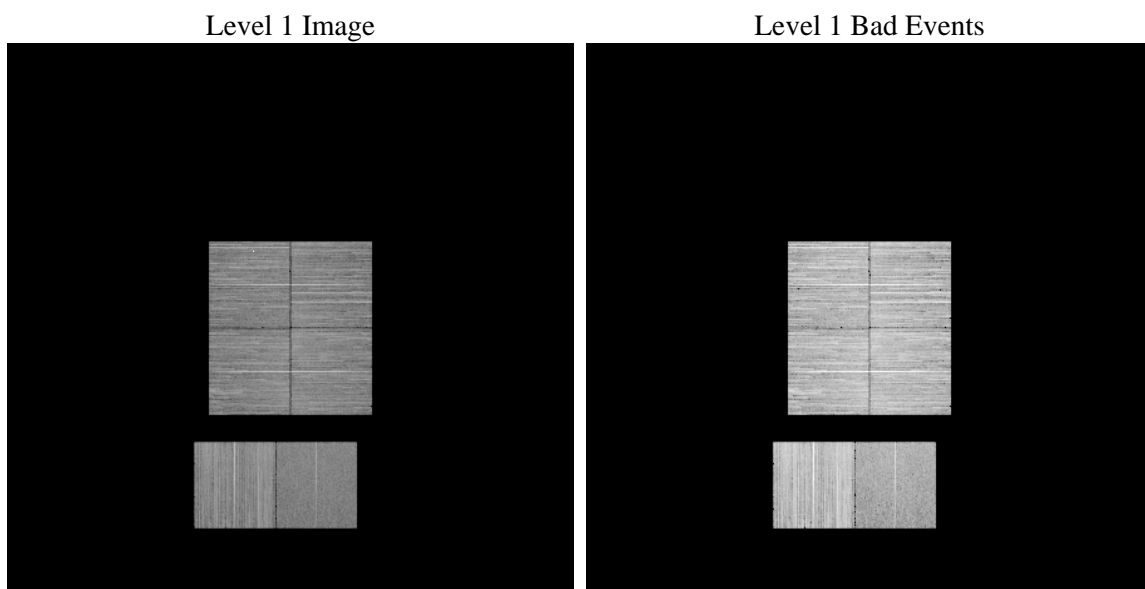
1 Front

seq_num	 	Sequence number
obs_id	52098	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	119.83065315169	Nominal RA [deg]
dec_nom	-0.5826809477232	Nominal Dec [deg]
roll_nom	308.88212535236	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8460.8001260757	Sum of GTIs [s]
livetime	8353.6643803972	Livetime [s]
ontime0	8460.8001260757	Sum of GTIs [s]
ontime1	8460.8001260757	Sum of GTIs [s]
ontime2	8460.8001260757	Sum of GTIs [s]
ontime3	8460.8001260757	Sum of GTIs [s]
ontime6	8460.8001260757	Sum of GTIs [s]
ontime7	8460.8001260757	Sum of GTIs [s]
l2events	172037	Number of level 2 events

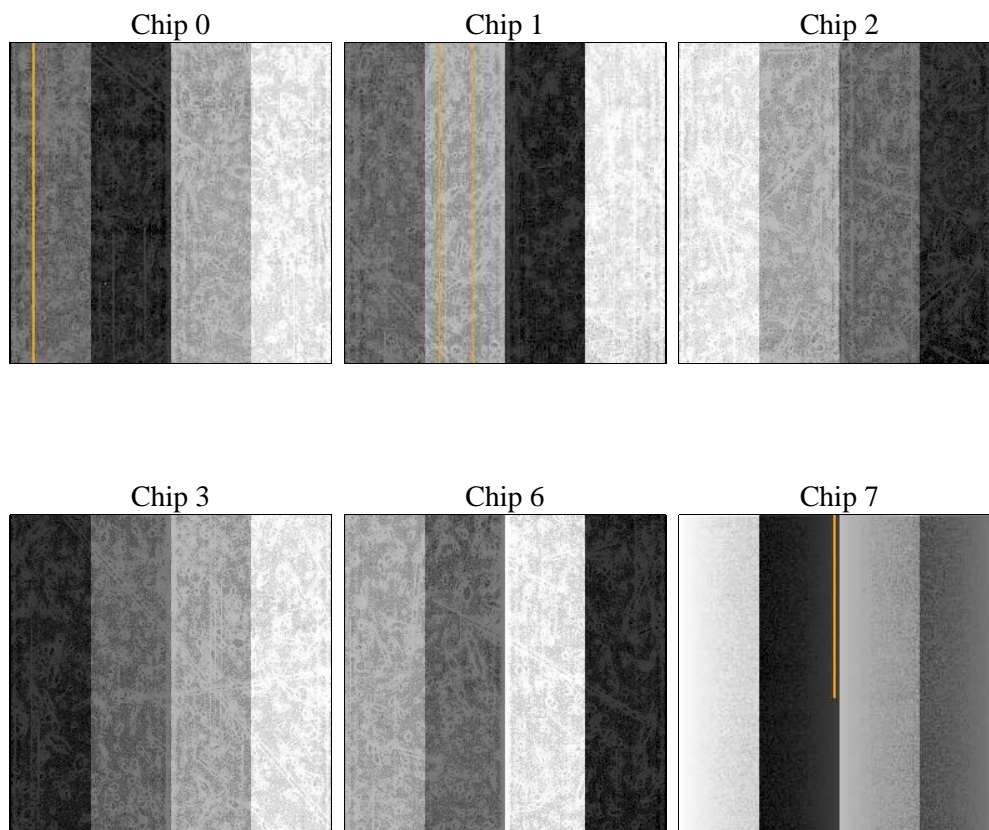
2 OBI

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	10.3.3	Processing system revision	ontime	8460.8001260757	Sum of GTIs [s]
caldsver	4.6.6	 	ontime0	8460.8001260757	Sum of GTIs [s]
date	2015-02-08T05:02:42	Date and time of file creation	ontime1	8460.8001260757	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8460.8001260757	Sum of GTIs [s]
			ontime3	8460.8001260757	Sum of GTIs [s]
			ontime6	8460.8001260757	Sum of GTIs [s]
			ontime7	8460.8001260757	Sum of GTIs [s]
			l1events	915757	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	152809	154466	155607	162874	170558	119443	grade 0 events	14819	11349	12977	13214	11799	6210
rejected events	124351	128116	129354	136081	143355	69160		9%	7%	8%	8%	6%	5%
rejected %	81%	82%	83%	83%	84%	57%	grade 1 events	80	54	68	70	51	90
								0%	0%	0%	0%	0%	0%
							grade 2 events	5869	6913	5542	5506	6965	12717
								3%	4%	3%	3%	4%	10%
							grade 3 events	1768	1654	1774	1761	1609	3587
								1%	1%	1%	1%	0%	3%
							grade 4 events	1658	1624	1728	1858	1569	3510
								1%	1%	1%	1%	0%	2%
							grade 5 events	2732	2734	2647	3029	2783	6982
								1%	1%	1%	1%	1%	5%
							grade 6 events	4344	4810	4232	4454	5261	24259
								2%	3%	2%	2%	3%	20%
							grade 7 events	121539	125328	126639	132982	140521	62088
								79%	81%	81%	81%	82%	51%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	119.8306531516891	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-0.5826809477231956	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	308.8821253523648	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	539692330.870079	539692329.84508			
Observation start date	2015-02-07T10:32:11	2015-02-07T10:32:09			
[s] Observation end time (MET)	539703343.4706939	539703342.44569			
Observation end date	2015-02-07T13:35:43	2015-02-07T13:35:42			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4608001260757

A.2 Comments