

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55104 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Mar 2 2012

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

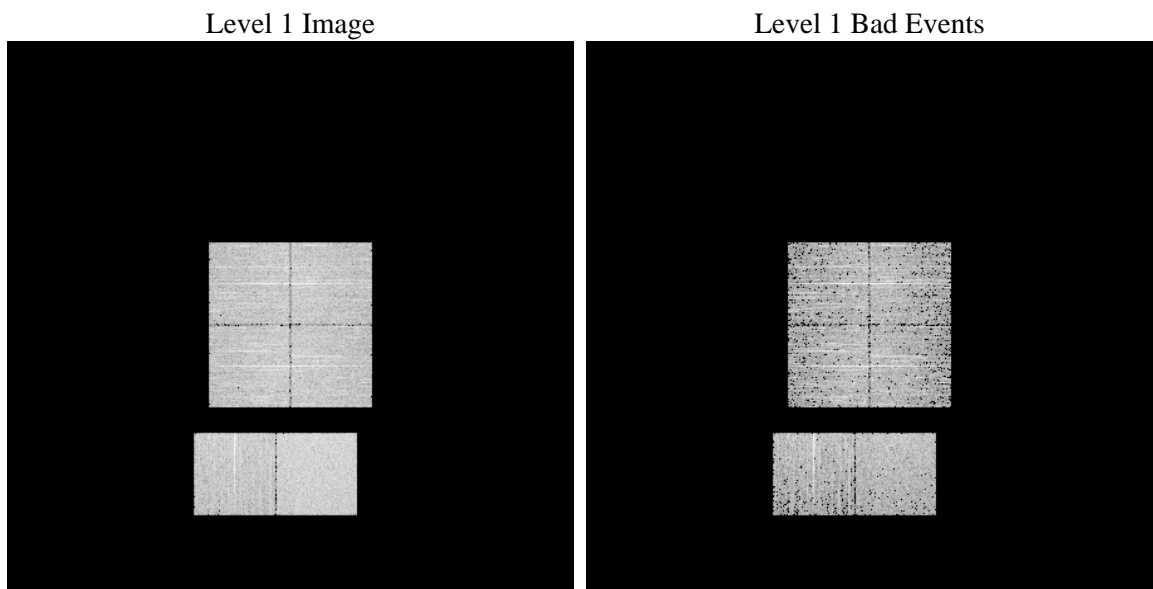
1 Front

seq_num	 	Sequence number
obs_id	55104	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	5.9894426334458	Nominal RA [deg]
dec_nom	37.972529577252	Nominal Dec [deg]
roll_nom	220.11029916083	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3289.1476938725	Sum of GTIs [s]
livetime	3247.4985252857	Livetime [s]
ontime0	3289.1066538692	Sum of GTIs [s]
ontime1	3289.0656138659	Sum of GTIs [s]
ontime2	3289.0245738626	Sum of GTIs [s]
ontime3	3289.1887338758	Sum of GTIs [s]
ontime6	3288.9835338593	Sum of GTIs [s]
ontime7	3289.1476938725	Sum of GTIs [s]
l2events	113426	Number of level 2 events

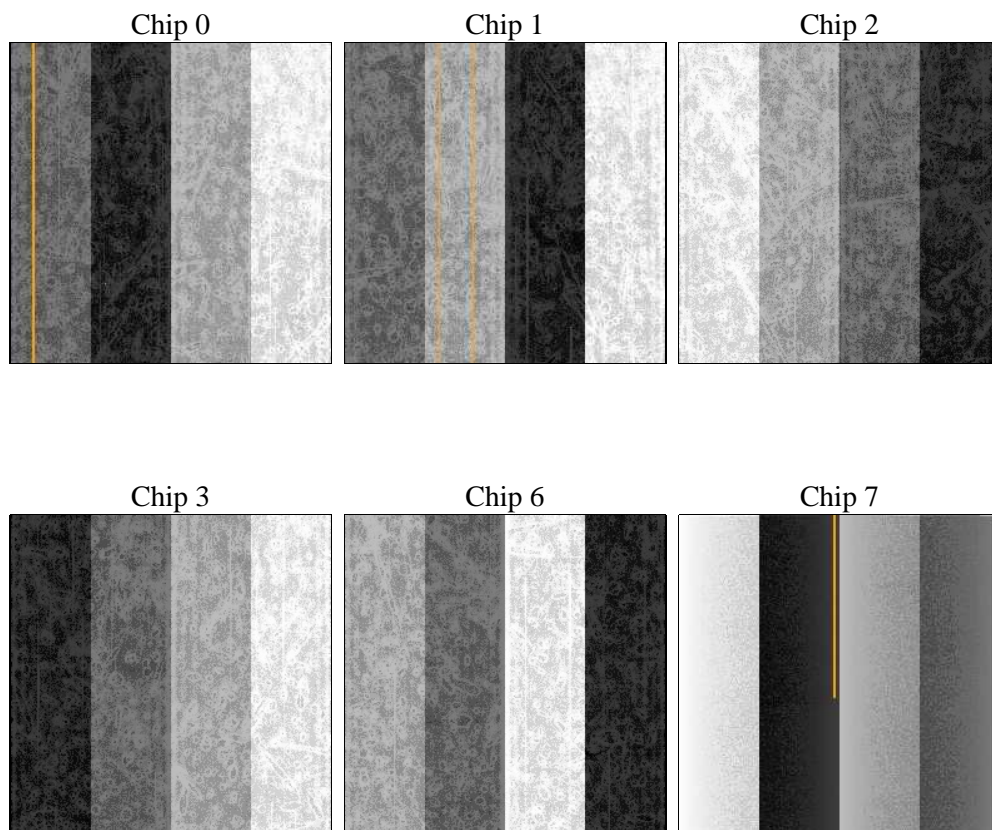
2 OBI

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	8.4.3.1	Processing system revision	ontime	3289.1476938725	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	3289.1066538692	Sum of GTIs [s]
date	2012-03-02T13:06:27	Date and time of file creation	ontime1	3289.0656138659	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3289.0245738626	Sum of GTIs [s]
			ontime3	3289.1887338758	Sum of GTIs [s]
			ontime6	3288.9835338593	Sum of GTIs [s]
			ontime7	3289.1476938725	Sum of GTIs [s]
			l1events	253163	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	39097	39581	40902	39871	41022	52690	grade 0 events	9418	9091	9688	9754	9453	4678
rejected events	21217	21490	23082	21711	22522	23219		24%	22%	23%	24%	23%	8%
rejected %	54%	54%	56%	54%	54%	44%	grade 1 events	49	37	60	49	35	35
								0%	0%	0%	0%	0%	0%
							grade 2 events	3251	3764	3143	3137	3533	6515
								8%	9%	7%	7%	8%	12%
							grade 3 events	1211	1134	1177	1259	1188	2506
								3%	2%	2%	3%	2%	4%
							grade 4 events	1167	1201	1197	1295	1196	2503
								2%	3%	2%	3%	2%	4%
							grade 5 events	1275	1305	1226	1437	1337	3491
								3%	3%	2%	3%	3%	6%
							grade 6 events	2833	2901	2615	2715	3130	13269
								7%	7%	6%	6%	7%	25%
							grade 7 events	19893	20148	21796	20225	21150	19693
								50%	50%	53%	50%	51%	37%

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	5.98944263344579	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	37.97252957725159	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	220.1102991608292	[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)	435689860.963436	435689859.93844			
Observation start date	2011-10-22T16:57:41	2011-10-22T16:57:39			
[s] Observation end time (MET)	435701199.514031	435701198.48904			
Observation end date	2011-10-22T20:06:40	2011-10-22T20:06:38			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.03.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2891476938725

A.2 Comments