

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55121 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 25 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

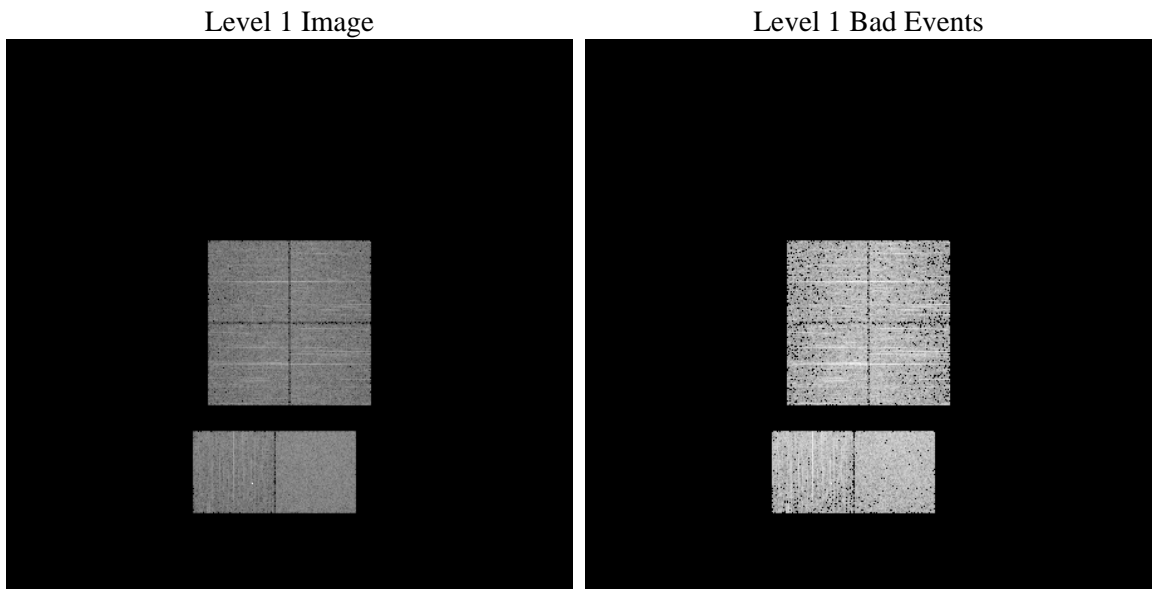
1 Front

seq_num	 	Sequence number
obs_id	55121	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	38.970319549141	Nominal RA [deg]
dec_nom	25.009248234467	Nominal Dec [deg]
roll_nom	128.55340085027	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3177.2494270205	Sum of GTIs [s]
livetime	3137.0171816657	Livetime [s]
ontime0	3177.2083870173	Sum of GTIs [s]
ontime1	3177.167347014	Sum of GTIs [s]
ontime2	3177.1263070107	Sum of GTIs [s]
ontime3	3177.2904670238	Sum of GTIs [s]
ontime6	3177.0852670074	Sum of GTIs [s]
ontime7	3177.2494270205	Sum of GTIs [s]
l2events	109412	Number of level 2 events

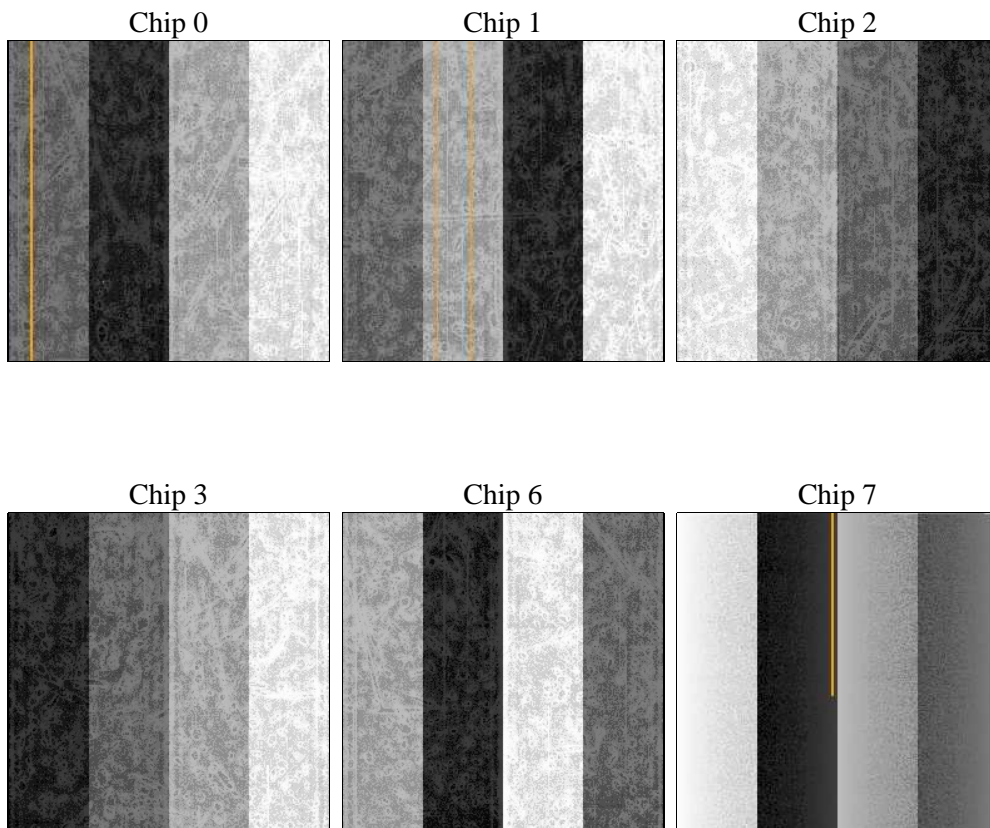
2 OBI

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	Processing system revision	ontime	3177.2494270205	Sum of GTIs [s]
caldbver	4.4.8	 	ontime0	3177.2083870173	Sum of GTIs [s]
date	2012-02-25T04:53:03	Date and time of file creation	ontime1	3177.167347014	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3177.1263070107	Sum of GTIs [s]
			ontime3	3177.2904670238	Sum of GTIs [s]
			ontime6	3177.0852670074	Sum of GTIs [s]
			ontime7	3177.2494270205	Sum of GTIs [s]
			l1events	246059	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	35786	38305	38840	39422	42402	51304	grade 0 events	9343	9358	9787	9731	10447	4709
rejected events	18595	20772	21442	21806	23626	23296		26%	24%	25%	24%	24%	9%
rejected %	51%	54%	55%	55%	55%	45%	grade 1 events	45	46	60	60	50	50
								0%	0%	0%	0%	0%	0%
							grade 2 events	3330	3538	3142	3308	3503	6307
								9%	9%	8%	8%	8%	12%
							grade 3 events	1197	1186	1294	1223	1171	2581
								3%	3%	3%	3%	2%	5%
							grade 4 events	1135	1209	1204	1279	1227	2478
								3%	3%	3%	3%	2%	4%
							grade 5 events	1235	1342	1220	1395	1329	3326
								3%	3%	3%	3%	3%	6%
							grade 6 events	2776	2926	2648	2703	3169	12979
								7%	7%	6%	6%	7%	25%
							grade 7 events	16725	18700	19485	19723	21506	18874
								46%	48%	50%	50%	50%	36%

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	38.97031954914124
[deg] Pointing Dec	0	25.00924823446698
[deg] Pointing Roll	0.0	128.5534008502694
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	435004568.477425	435004568.477425
Observation start date	2011-10-14T18:36:08	2011-10-14T18:36:08
[s] Observation end time (MET)	435009117.710065	435009117.710065
Observation end date	2011-10-14T19:51:58	2011-10-14T19:51:57
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)	2012.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1772494270205

A.2 Comments