

V&V Reference Report

L2 ASCDS Version : 10

Observation 53434 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 1 2013

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

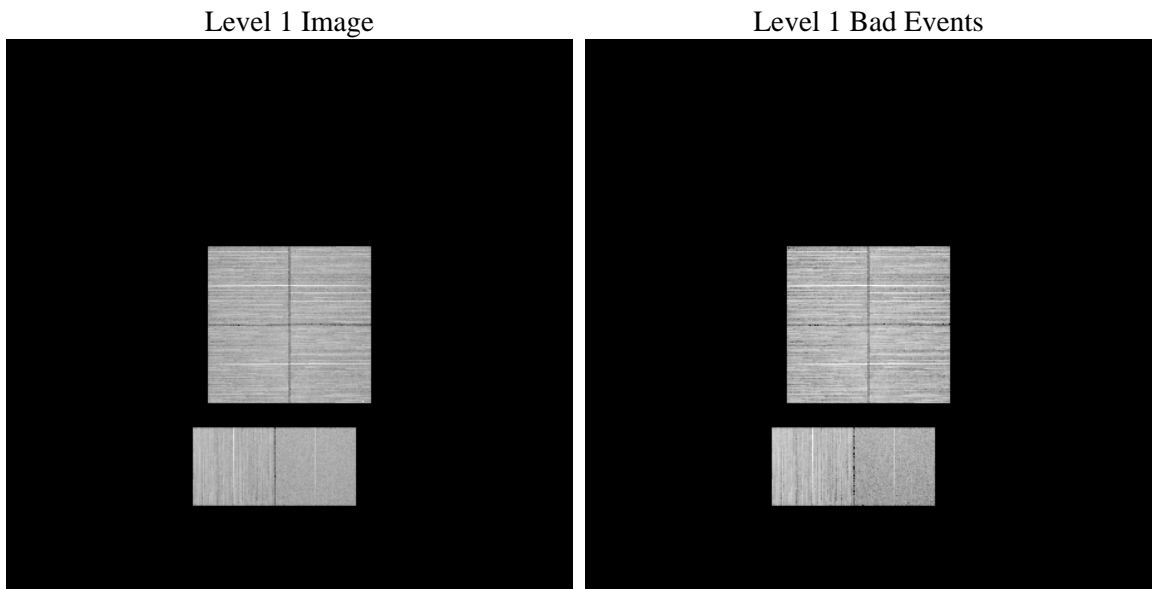
1 Front

seq_num	 	Sequence number
obs_id	53434	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	328.99107874948	Nominal RA [deg]
dec_nom	5.9725877857429	Nominal Dec [deg]
roll_nom	219.08650079982	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8153.2327350378	Sum of GTIs [s]
livetime	8049.9915928594	Livetime [s]
ontime0	8153.1916950345	Sum of GTIs [s]
ontime1	8153.1506550312	Sum of GTIs [s]
ontime2	8153.1096150279	Sum of GTIs [s]
ontime3	8153.2737750411	Sum of GTIs [s]
ontime6	8153.0685750246	Sum of GTIs [s]
ontime7	8153.2327350378	Sum of GTIs [s]
l2events	236699	Number of level 2 events

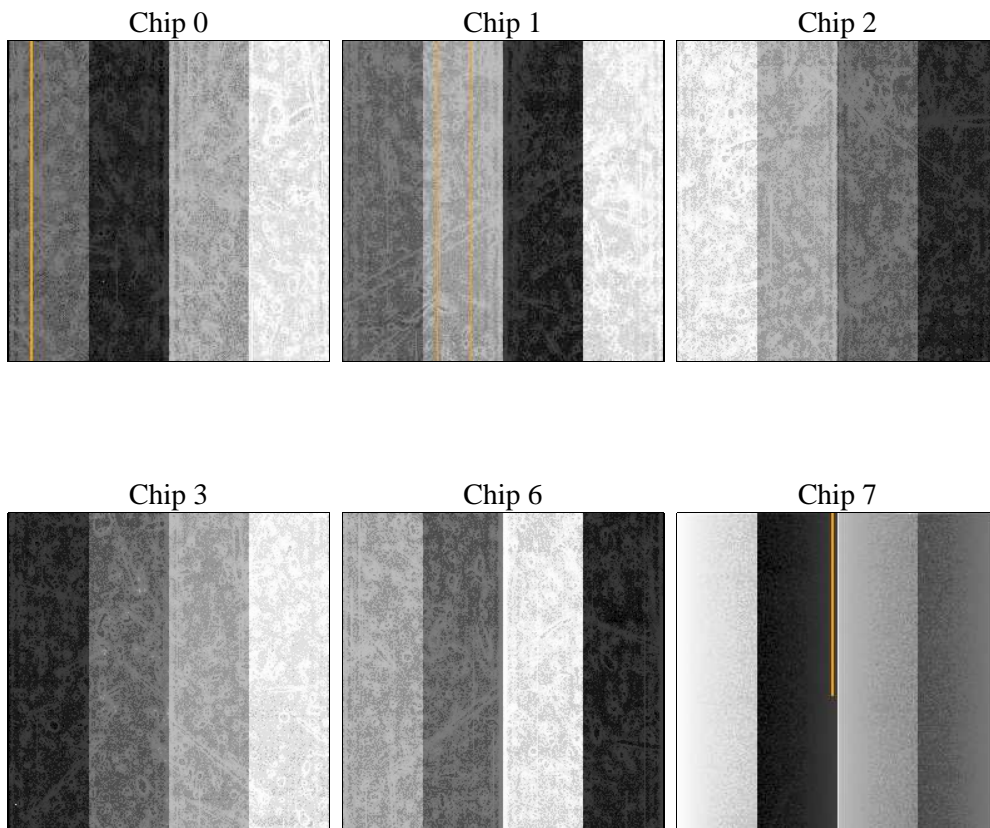
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.0.1	Processing system revision	ontime	8153.2327350378	Sum of GTIs [s]
caldbver	4.5.8	 	ontime0	8153.1916950345	Sum of GTIs [s]
date	2013-09-01T21:14:41	Date and time of file creation	ontime1	8153.1506550312	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8153.1096150279	Sum of GTIs [s]
			ontime3	8153.2737750411	Sum of GTIs [s]
			ontime6	8153.0685750246	Sum of GTIs [s]
			ontime7	8153.2327350378	Sum of GTIs [s]
			l1events	903907	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	154593	153708	154079	154942	161055	125530	grade 0 events	19084	18562	19479	20244	19322	10189
rejected events	117437	116010	116942	116646	121570	64342		12%	12%	12%	13%	11%	8%
rejected %	75%	75%	75%	75%	75%	51%	grade 1 events	97	86	104	129	84	98
								0%	0%	0%	0%	0%	0%
							grade 2 events	7589	8121	7227	7255	8122	15229
								4%	5%	4%	4%	5%	12%
							grade 3 events	2425	2411	2537	2601	2449	5187
								1%	1%	1%	1%	1%	4%
							grade 4 events	2363	2427	2489	2595	2588	4934
								1%	1%	1%	1%	1%	3%
							grade 5 events	2760	2912	2607	3059	2938	7238
								1%	1%	1%	1%	1%	5%
							grade 6 events	6395	6907	6101	6375	7750	26619
								4%	4%	3%	4%	4%	21%
							grade 7 events	113880	112282	113535	112684	117802	56036
								73%	73%	73%	72%	73%	44%

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	328.9910787494829
[deg] Pointing Dec	0	5.972587785742899
[deg] Pointing Roll	0.0	219.0865007998176
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	494412162.068608	494412162.068608
Observation start date	2013-09-01T08:42:42	2013-09-01T08:42:42
[s] Observation end time (MET)	494421711.750629	494421711.750629
Observation end date	2013-09-01T11:21:52	2013-09-01T11:21:51
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)	2013.09.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1532327350378

A.2 Comments