

V&V Reference Report

L2 ASCDS Version : 10.0.1

Observation 53428 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 4 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

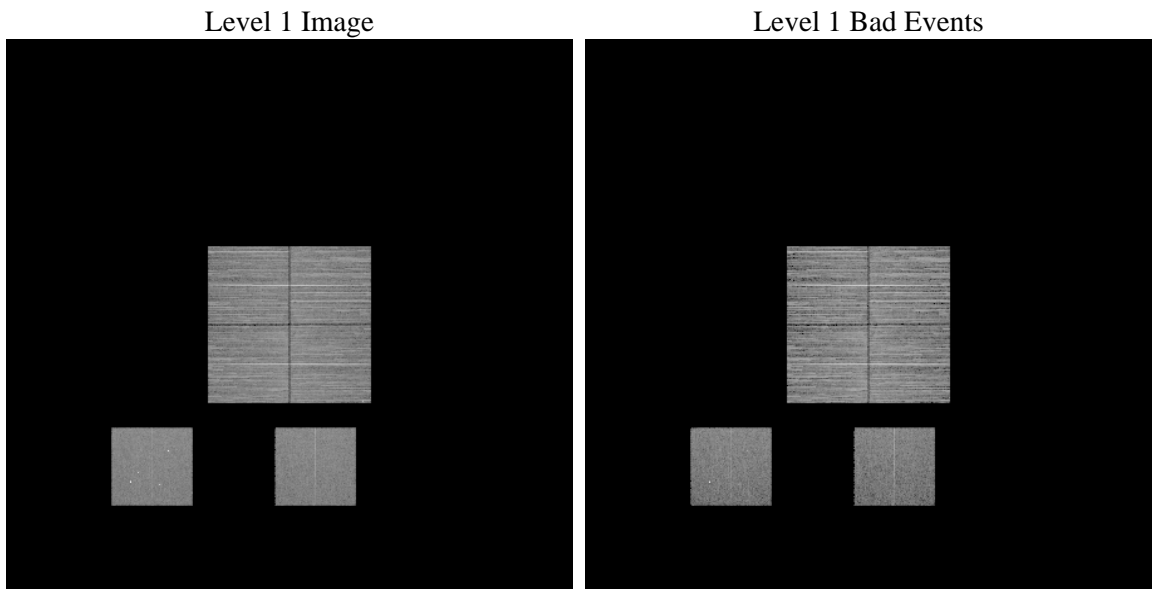
1 Front

seq_num	 	Sequence number
obs_id	53428	Observation id
title	ACIS-012357 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	356.16401735979	Nominal RA [deg]
dec_nom	7.1758450840051	Nominal Dec [deg]
roll_nom	137.17597760378	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7638.2880579233	Sum of GTIs [s]
livetime	7541.567455309	Livetime [s]
ontime0	7638.24701792	Sum of GTIs [s]
ontime1	7638.2059779167	Sum of GTIs [s]
ontime2	7638.1649379134	Sum of GTIs [s]
ontime3	7638.3290979266	Sum of GTIs [s]
ontime5	7638.1238979101	Sum of GTIs [s]
ontime7	7638.2880579233	Sum of GTIs [s]
l2events	239669	Number of level 2 events

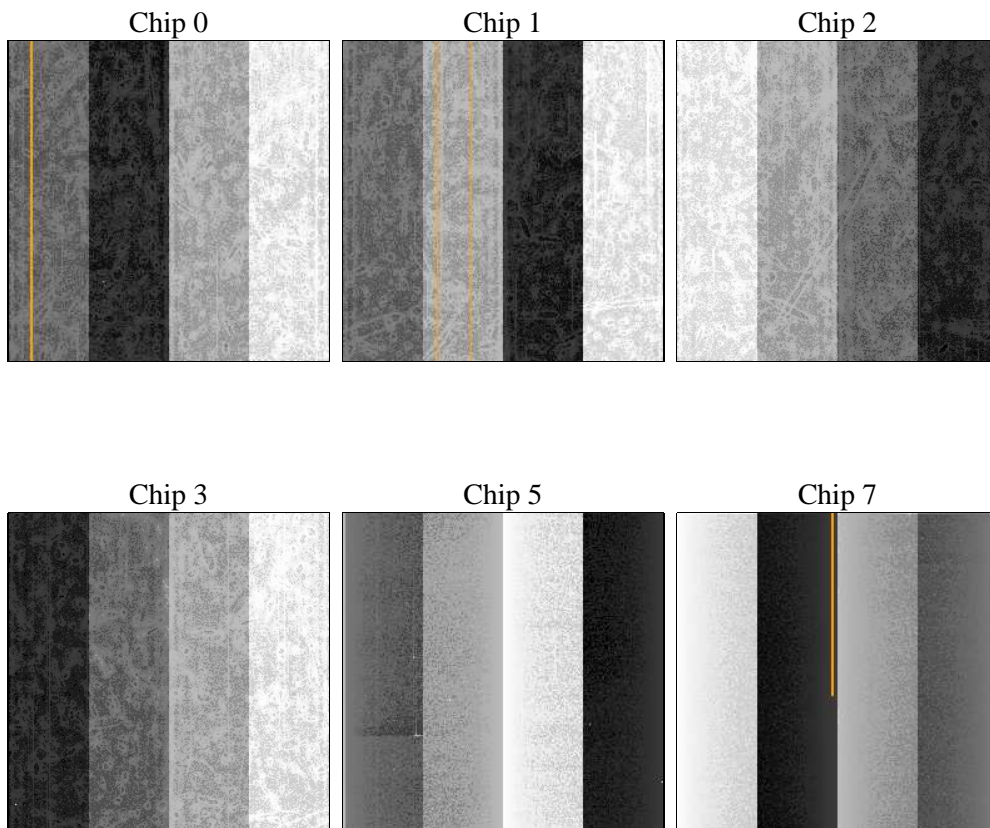
2 OBI

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	7638.2880579233	Sum of GTIs [s]
caldbver	4.5.8	 	ontime0	7638.24701792	Sum of GTIs [s]
date	2013-09-04T17:51:06	Date and time of file creation	ontime1	7638.2059779167	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7638.1649379134	Sum of GTIs [s]
			ontime3	7638.3290979266	Sum of GTIs [s]
			ontime5	7638.1238979101	Sum of GTIs [s]
			ontime7	7638.2880579233	Sum of GTIs [s]
			l1events	791379	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	134660	140543	138330	136449	125335	116062	grade 0 events	18042	17339	18530	18783	8810	9412
rejected events	99981	105879	103558	101317	65335	60208		13%	12%	13%	13%	7%	8%
rejected %	74%	75%	74%	74%	52%	51%	grade 1 events	93	87	97	95	81	73
								0%	0%	0%	0%	0%	0%
							grade 2 events	7100	7547	6744	6730	23343	14390
								5%	5%	4%	4%	18%	12%
							grade 3 events	2437	2262	2425	2442	2170	4584
								1%	1%	1%	1%	1%	3%
							grade 4 events	2239	2329	2426	2443	2154	4771
								1%	1%	1%	1%	1%	4%
							grade 5 events	2560	2648	2330	2816	5591	6640
								1%	1%	1%	2%	4%	5%
							grade 6 events	6162	6383	5889	6018	25556	24718
								4%	4%	4%	4%	20%	21%
							grade 7 events	96027	101948	99889	97122	57630	51474
								71%	72%	72%	71%	45%	44%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	356.1640173597906
[deg] Pointing Dec	0	7.175845084005071
[deg] Pointing Roll	0.0	137.1759776037753
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)	494639209.830998	494639209.830998
Observation start date	2013-09-03T23:46:50	2013-09-03T23:46:49
[s] Observation end time (MET)	494648361.027858	494648361.027858
Observation end date	2013-09-04T02:19:21	2013-09-04T02:19:21
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)	2013.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.6382880579233

A.2 Comments