

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60410 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 10 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

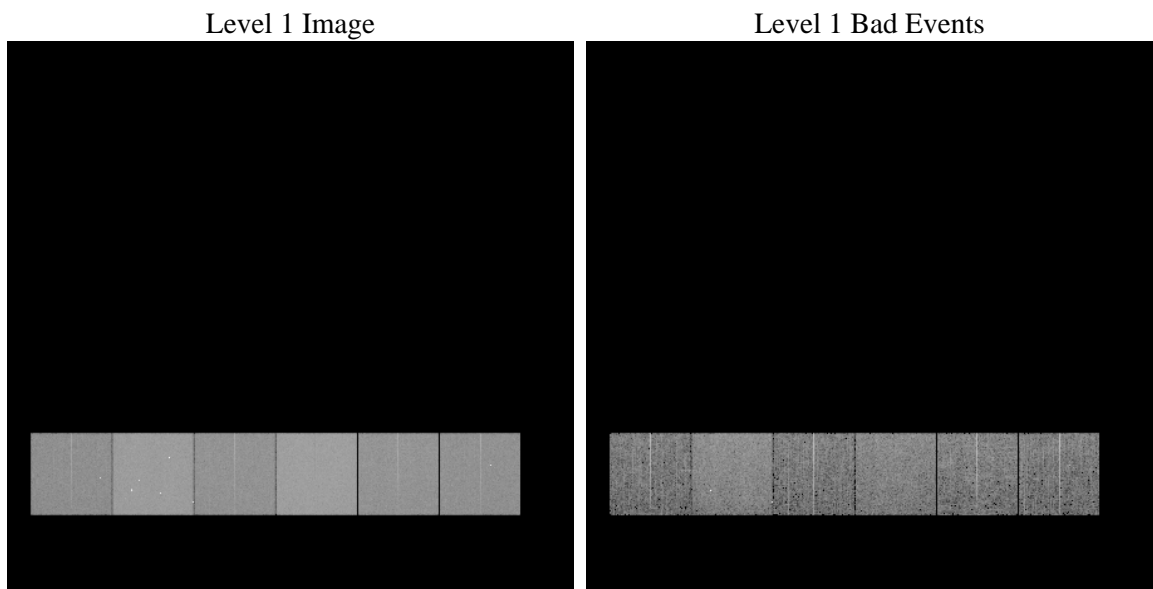
1 Front

seq_num	 	Sequence number
obs_id	60410	Observation id
title	ACIS-456789 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	127.95629650425	Nominal RA [deg]
dec_nom	49.994640604634	Nominal Dec [deg]
roll_nom	157.93329151418	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7801.5999709368	Sum of GTIs [s]
livetime	7702.8114145452	Livetime [s]
ontime4	4608.3047996759	Sum of GTIs [s]
ontime5	7801.5999709368	Sum of GTIs [s]
ontime6	5043.5325161517	Sum of GTIs [s]
ontime7	7801.5999709368	Sum of GTIs [s]
ontime8	5114.8335841	Sum of GTIs [s]
ontime9	4875.0023509562	Sum of GTIs [s]
l2events	1128843	Number of level 2 events

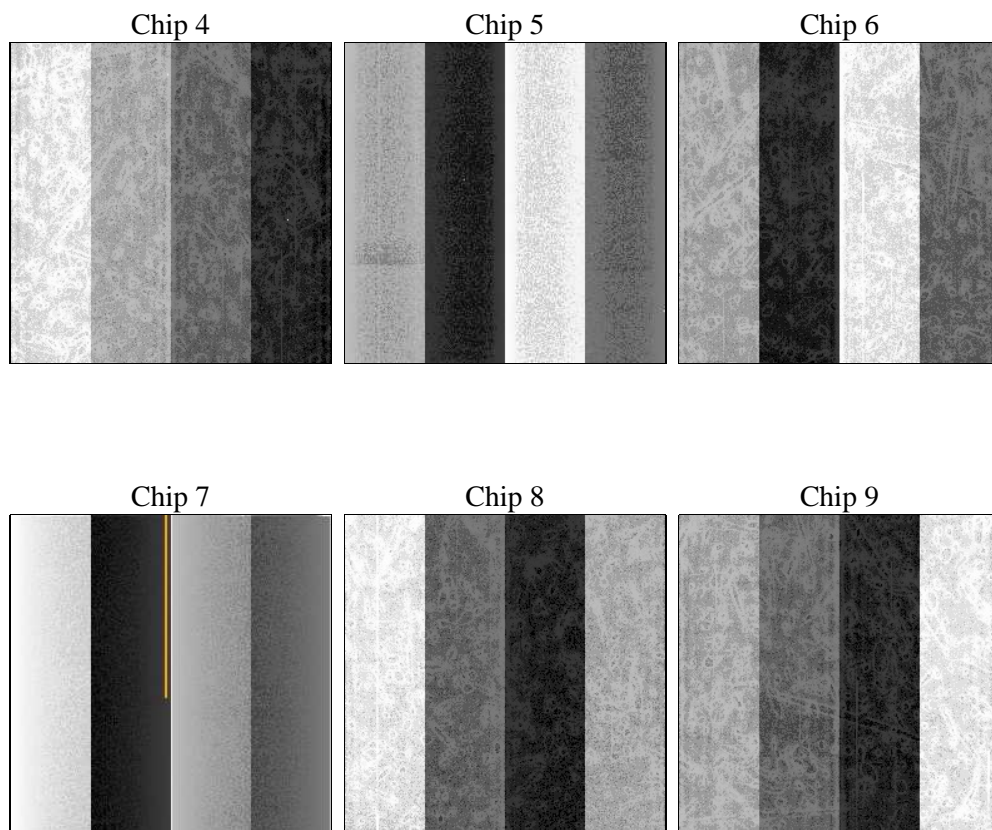
2 OBI

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	8.4.5	Processing system revision	ontime	7801.5999709368	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	4608.3047996759	Sum of GTIs [s]
date	2012-11-10T20:50:21	Date and time of file creation	ontime5	7801.5999709368	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	5043.5325161517	Sum of GTIs [s]
			ontime7	7801.5999709368	Sum of GTIs [s]
			ontime8	5114.8335841	Sum of GTIs [s]
			ontime9	4875.0023509562	Sum of GTIs [s]
			l1events	1417179	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	180997	298337	208783	315843	216717	196502	grade 0 events	87915	57357	96366	67895	99265	90519
rejected events	30791	50235	32144	39976	35805	31492		48%	19%	46%	21%	45%	46%
rejected %	17%	16%	15%	12%	16%	16%	grade 1 events	598	639	437	185	466	477
								0%	0%	0%	0%	0%	0%
							grade 2 events	23379	90633	30487	60706	31698	29593
								12%	30%	14%	19%	14%	15%
							grade 3 events	9998	14378	11115	27912	11722	10507
								5%	4%	5%	8%	5%	5%
							grade 4 events	9865	14276	10973	27597	11655	10272
								5%	4%	5%	8%	5%	5%
							grade 5 events	1894	8565	2300	7452	2545	2353
								1%	2%	1%	2%	1%	1%
							grade 6 events	19049	71564	27801	91877	26700	24228
								10%	23%	13%	29%	12%	12%
							grade 7 events	28299	40925	29304	32219	32666	28553
								15%	13%	14%	10%	15%	14%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	127.9562965042539	Alternating exposures requested	N	N
[deg] Pointing Dec	0	49.99464060463438	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	157.9332915141829			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	190532143.988706	190532142.96399			
Observation start date	2004-01-15T05:35:44	2004-01-15T05:35:42			
[s] Observation end time (MET)	190568617.590296	190568616.56558			
Observation end date	2004-01-15T15:43:38	2004-01-15T15:43:36			
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)	2012.12.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8015999709368

A.2 Comments