

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55117 - 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

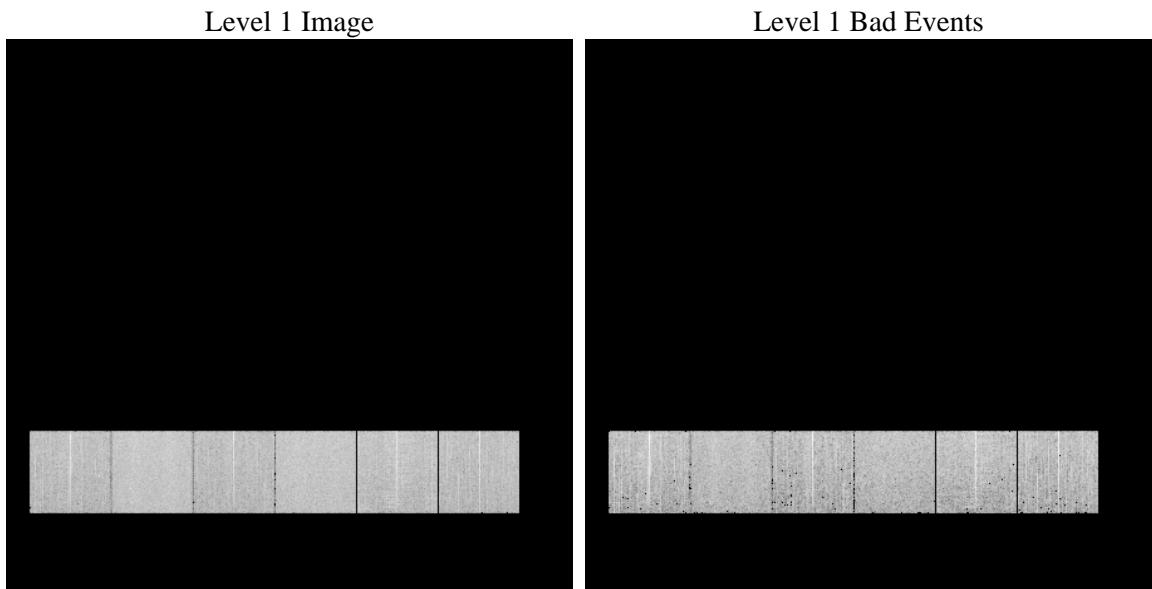
1 Front

seq_num	 	Sequence number
obs_id	55117	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	17.962695457005	Nominal RA [deg]
dec_nom	50.983431447204	Nominal Dec [deg]
roll_nom	182.43288112954	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6306.2675147057	Sum of GTIs [s]
livetime	6226.413758256	Livetime [s]
ontime4	6306.1443946958	Sum of GTIs [s]
ontime5	6306.2264747024	Sum of GTIs [s]
ontime6	6306.1854346991	Sum of GTIs [s]
ontime7	6306.2675147057	Sum of GTIs [s]
ontime8	6306.1033546925	Sum of GTIs [s]
ontime9	6306.308554709	Sum of GTIs [s]
l2events	235784	Number of level 2 events

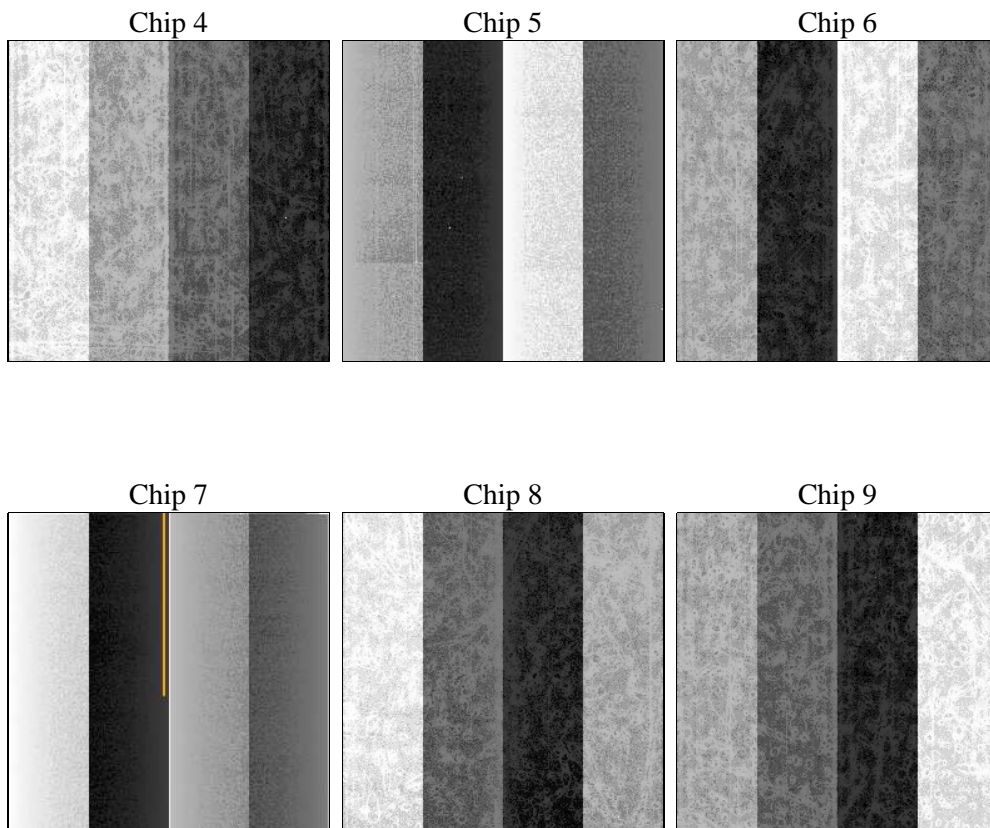
2 OBI

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	6306.2675147057	Sum of GTIs [s]
caldsver	4.4.8	 	ontime4	6306.1443946958	Sum of GTIs [s]
date	2012-02-25T05:14:03	Date and time of file creation	ontime5	6306.2264747024	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	6306.1854346991	Sum of GTIs [s]
			ontime7	6306.2675147057	Sum of GTIs [s]
			ontime8	6306.1033546925	Sum of GTIs [s]
			ontime9	6306.308554709	Sum of GTIs [s]
			l1events	520196	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	78811	99891	76384	97173	88762	79175	grade 0 events	19055	5258	17576	8854	20421	17838
rejected events	45707	44024	41068	42577	46309	44942		24%	5%	23%	9%	23%	22%
rejected %	57%	44%	53%	43%	52%	56%	grade 1 events	158	131	66	58	110	123
								0%	0%	0%	0%	0%	0%
							grade 2 events	5035	20660	7082	12006	8220	6098
								6%	20%	9%	12%	9%	7%
							grade 3 events	2375	1863	2182	4632	3104	2365
								3%	1%	2%	4%	3%	2%
							grade 4 events	2318	1836	2172	4574	3061	2273
								2%	1%	2%	4%	3%	2%
							grade 5 events	2544	4975	2395	6323	3281	2804
								3%	4%	3%	6%	3%	3%
							grade 6 events	4321	26250	6304	24530	7647	5659
								5%	26%	8%	25%	8%	7%
							grade 7 events	43005	38918	38607	36196	42918	42015
								54%	38%	50%	37%	48%	53%

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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	17.96269545700461	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	50.98343144720435	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	182.4328811295357	[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)	435032758.028918	435032757.00392			
Observation start date	2011-10-15T02:25:58	2011-10-15T02:25:57			
[s] Observation end time (MET)	435040962.129349	435040961.10435			
Observation end date	2011-10-15T04:42:42	2011-10-15T04:42:41			
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)	2012.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.3062675147057

A.2 Comments