

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61310 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 2 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

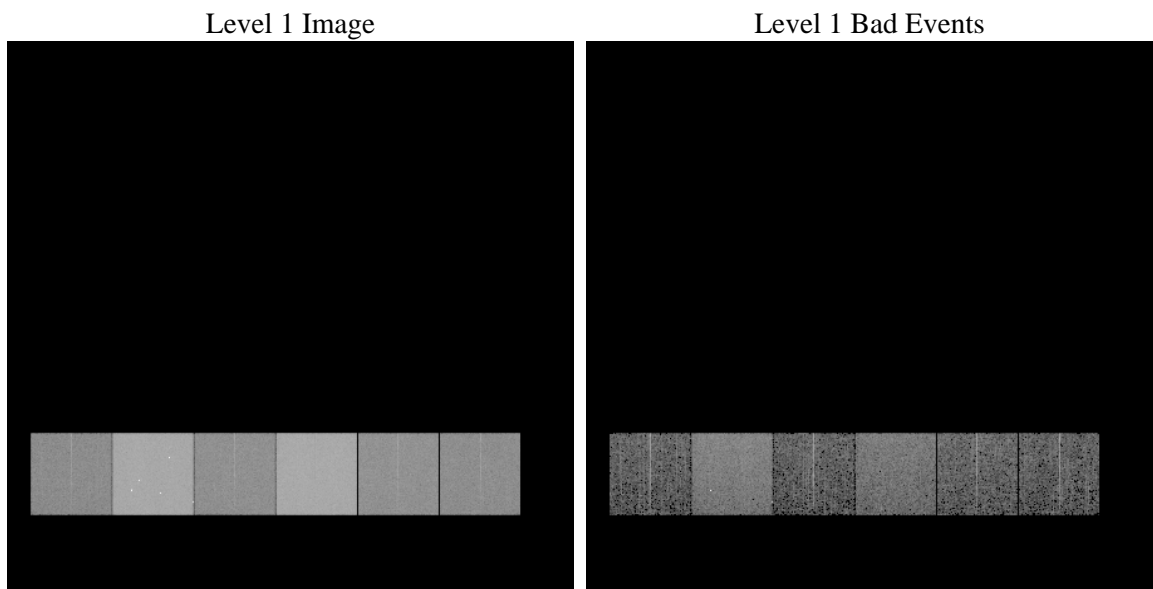
1 Front

seq_num	 	Sequence number
obs_id	61310	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	180.99364729675	Nominal RA [deg]
dec_nom	-0.97207410497124	Nominal Dec [deg]
roll_nom	70.000321576336	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6490.7929125279	Sum of GTIs [s]
livetime	6408.6025843832	Livetime [s]
ontime4	2333.5466225147	Sum of GTIs [s]
ontime5	6954.2105126679	Sum of GTIs [s]
ontime6	2572.3482629061	Sum of GTIs [s]
ontime7	6490.7929125279	Sum of GTIs [s]
ontime8	2679.2204627097	Sum of GTIs [s]
ontime9	2437.2598126233	Sum of GTIs [s]
l2events	1193159	Number of level 2 events

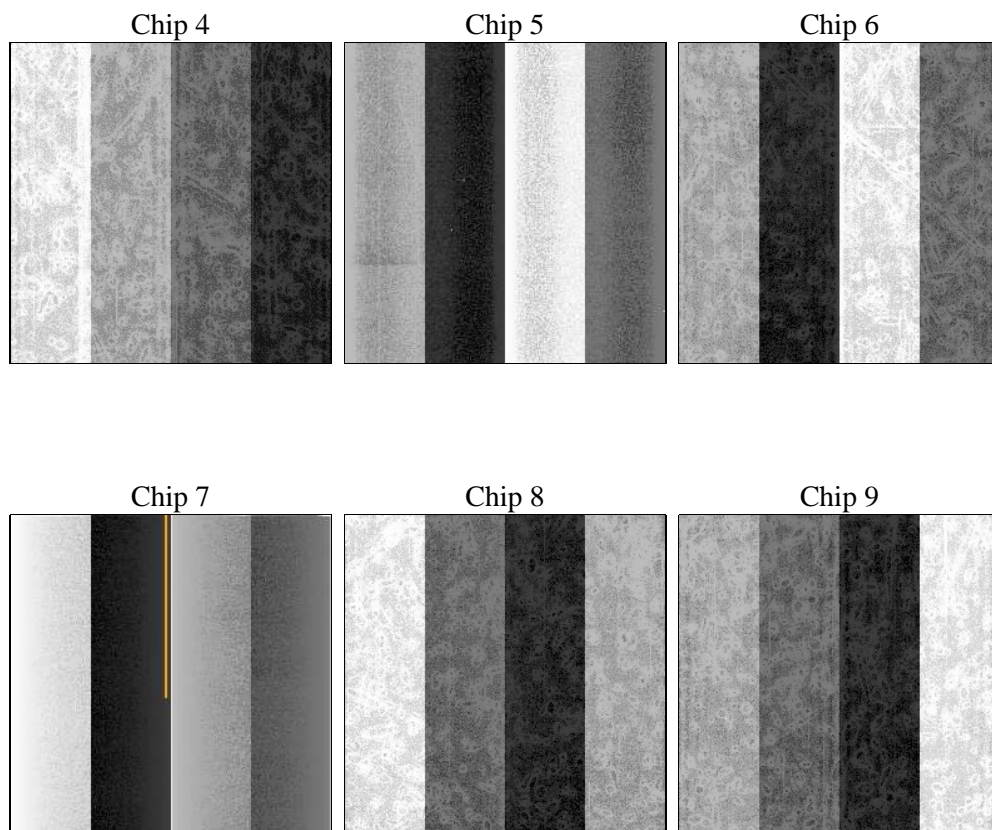
2 OBI

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	8.4.5	Processing system revision	ontime	6490.7929125279	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	2333.5466225147	Sum of GTIs [s]
date	2012-10-02T15:55:14	Date and time of file creation	ontime5	6954.2105126679	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2572.3482629061	Sum of GTIs [s]
			ontime7	6490.7929125279	Sum of GTIs [s]
			ontime8	2679.2204627097	Sum of GTIs [s]
			ontime9	2437.2598126233	Sum of GTIs [s]
			l1events	1419946	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	140698	393741	163625	398549	173479	149854	grade 0 events	67657	80368	78745	91618	83154	71735
rejected events	20574	52063	19993	36266	22492	19482		48%	20%	48%	22%	47%	47%
rejected %	14%	13%	12%	9%	12%	13%	grade 1 events	364	386	385	230	431	393
								0%	0%	0%	0%	0%	0%
							grade 2 events	21608	126291	24762	79602	26657	22956
								15%	32%	15%	19%	15%	15%
							grade 3 events	7210	20301	8779	36516	9341	8085
								5%	5%	5%	9%	5%	5%
							grade 4 events	7231	20060	8745	35911	9456	7986
								5%	5%	5%	9%	5%	5%
							grade 5 events	1202	9703	1535	7377	1695	1430
								0%	2%	0%	1%	0%	0%
							grade 6 events	16418	94658	22601	118636	22379	19610
								11%	24%	13%	29%	12%	13%
							grade 7 events	19008	41974	18073	28659	20366	17659
								13%	10%	11%	7%	11%	11%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	180.9936472967465
[deg] Pointing Dec	0	-0.972074104971236
[deg] Pointing Roll	0.0	70.00032157633642
[mm] SIM focus pos	-0.684267	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-190.132523	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	129984073.044	129984072.27549
Observation start date	2002-02-13T10:41:13	2002-02-13T10:41:12
[s] Observation end time (MET)	130018172.745	130018171.97687
Observation end date	2002-02-13T20:09:33	2002-02-13T20:09:31
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.4907929125279

A.2 Comments