

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 62146 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Aug 23 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

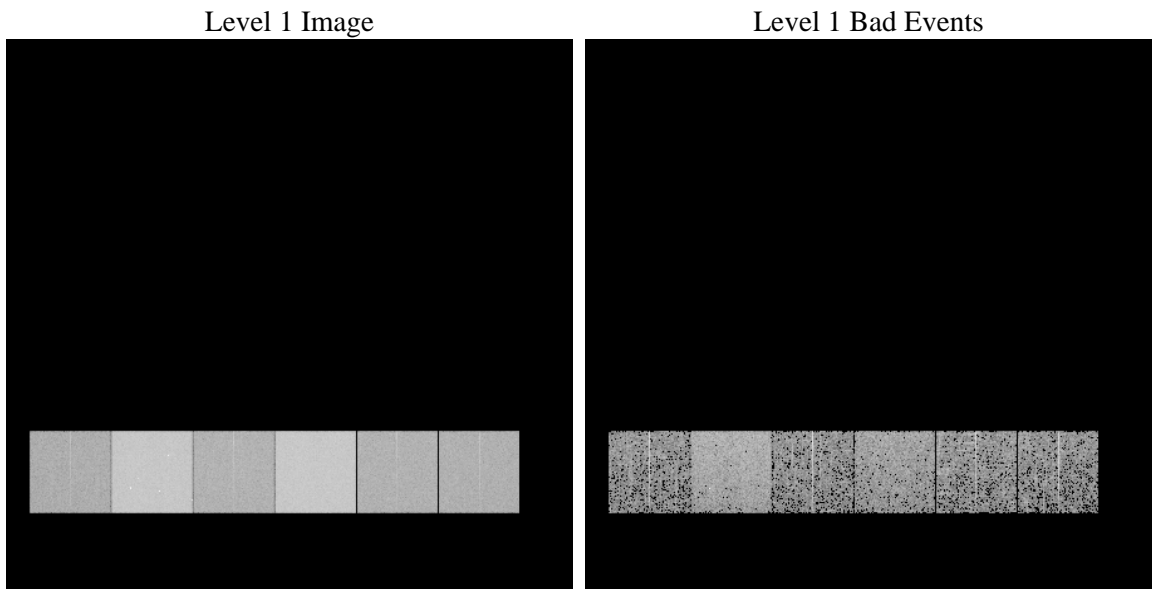
1 Front

seq_num	 	Sequence number
obs_id	62146	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	15.922348879725	Nominal RA [deg]
dec_nom	79.956732979005	Nominal Dec [deg]
roll_nom	325.07756915412	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2964.4721682817	Sum of GTIs [s]
livetime	2926.9342366961	Livetime [s]
ontime4	1172.0626482666	Sum of GTIs [s]
ontime5	3188.0586503744	Sum of GTIs [s]
ontime6	1321.1914381087	Sum of GTIs [s]
ontime7	2964.4721682817	Sum of GTIs [s]
ontime8	1276.9683007598	Sum of GTIs [s]
ontime9	1260.7630210519	Sum of GTIs [s]
l2events	929515	Number of level 2 events

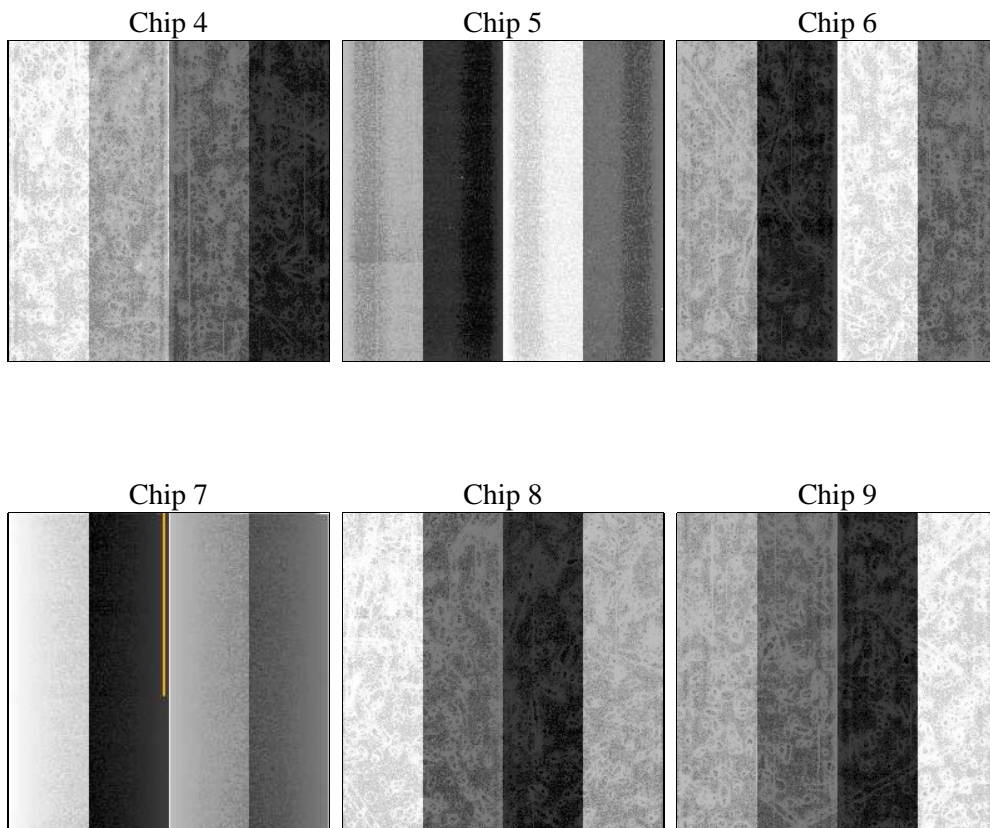
2 OBI

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	2964.4721682817	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	1172.0626482666	Sum of GTIs [s]
date	2012-08-23T17:37:27	Date and time of file creation	ontime5	3188.0586503744	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	1321.1914381087	Sum of GTIs [s]
			ontime7	2964.4721682817	Sum of GTIs [s]
			ontime8	1276.9683007598	Sum of GTIs [s]
			ontime9	1260.7630210519	Sum of GTIs [s]
			l1events	1064754	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	112361	277239	134435	286446	131074	123199	grade 0 events	55693	64421	66051	69080	64174	60717
rejected events	13082	26100	13050	17285	14131	12641		49%	23%	49%	24%	48%	49%
rejected %	11%	9%	9%	6%	10%	10%	grade 1 events	375	213	392	191	393	363
								0%	0%	0%	0%	0%	0%
							grade 2 events	17806	87238	21022	59571	20637	19388
								15%	31%	15%	20%	15%	15%
							grade 3 events	6234	16838	7469	27646	7408	6795
								5%	6%	5%	9%	5%	5%
							grade 4 events	6197	16745	7657	27258	7496	6930
								5%	6%	5%	9%	5%	5%
							grade 5 events	844	5589	1048	3979	1080	989
								0%	2%	0%	1%	0%	0%
							grade 6 events	13349	65897	19186	85606	17228	16728
								11%	23%	14%	29%	13%	13%
							grade 7 events	11863	20298	11610	13115	12658	11289
								10%	7%	8%	4%	9%	9%

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	15.92234887972499	Alternating exposures requested	N	N
[deg] Pointing Dec	0	79.9567329790047	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	325.0775691541161			
[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)	68112651.66599999	68112650.89769401			
Observation start date	2000-02-28T08:10:52	2000-02-28T08:10:50			
[s] Observation end time (MET)	68119951.71600001	68119950.94796			
Observation end date	2000-02-28T10:12:32	2000-02-28T10:12:30			
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)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9644721682817

A.2 Comments