

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57624 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 20 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

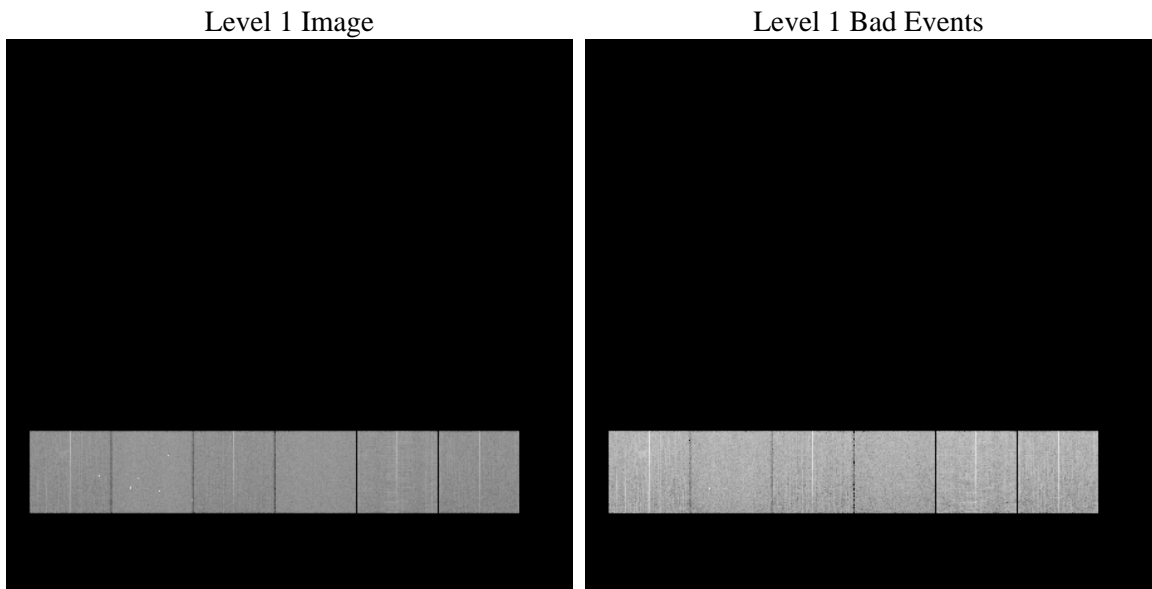
1 Front

seq_num	 	Sequence number
obs_id	57624	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	332.03292058383	Nominal RA [deg]
dec_nom	-29.993912966341	Nominal Dec [deg]
roll_nom	334.82144804099	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7931.7221705317	Sum of GTIs [s]
livetime	7831.2859284988	Livetime [s]
ontime4	7931.5990505219	Sum of GTIs [s]
ontime5	7931.6811305285	Sum of GTIs [s]
ontime6	7931.6400905252	Sum of GTIs [s]
ontime7	7931.7221705317	Sum of GTIs [s]
ontime8	7931.5580105186	Sum of GTIs [s]
ontime9	7931.763210535	Sum of GTIs [s]
l2events	571139	Number of level 2 events

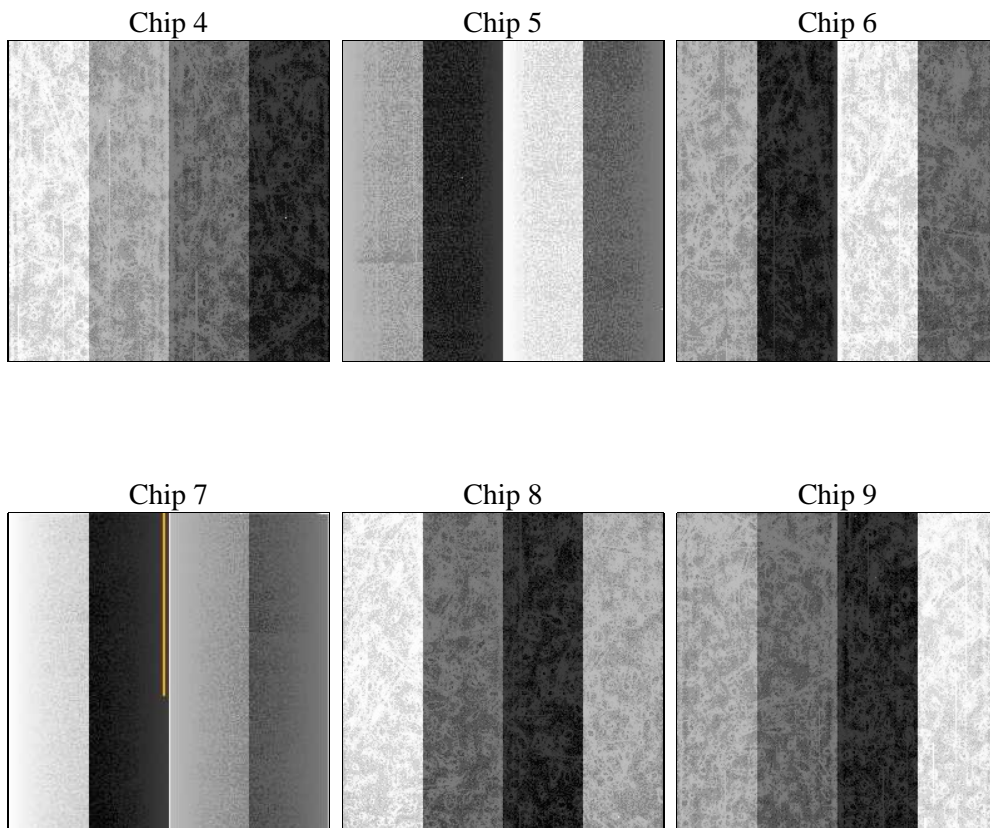
2 OBI

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	8.4.4	Processing system revision	ontime	7931.7221705317	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	7931.5990505219	Sum of GTIs [s]
date	2012-05-20T23:03:22	Date and time of file creation	ontime5	7931.6811305285	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7931.6400905252	Sum of GTIs [s]
			ontime7	7931.7221705317	Sum of GTIs [s]
			ontime8	7931.5580105186	Sum of GTIs [s]
			ontime9	7931.763210535	Sum of GTIs [s]
			l1events	1083121	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	171039	198218	166520	191106	189456	166782	grade 0 events	51423	22337	49108	24555	53195	48171
rejected events	83216	73147	74487	67471	84132	77874		30%	11%	29%	12%	28%	28%
rejected %	48%	36%	44%	35%	44%	46%	grade 1 events	539	245	317	176	372	369
								0%	0%	0%	0%	0%	0%
							grade 2 events	14245	44313	16665	26811	19832	15705
								8%	22%	10%	14%	10%	9%
							grade 3 events	6055	6164	5985	11975	7687	6066
								3%	3%	3%	6%	4%	3%
							grade 4 events	6055	6058	6049	11867	7532	6066
								3%	3%	3%	6%	3%	3%
							grade 5 events	4127	9888	4390	10799	5630	4753
								2%	4%	2%	5%	2%	2%
							grade 6 events	11210	47953	15474	50070	18444	14084
								6%	24%	9%	26%	9%	8%
							grade 7 events	77385	61260	68532	54853	76764	71568
								45%	30%	41%	28%	40%	42%

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	332.0329205838287
[deg] Pointing Dec	0	-29.99391296634133
[deg] Pointing Roll	0.0	334.8214480409935
[mm] SIM focus pos	-1.429586	-1.526339935833849
[mm] SIM defocus	0.1037507710433287	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	336785470.211324	336785469.18632
Observation start date	2008-09-02T23:31:10	2008-09-02T23:31:09
[s] Observation end time (MET)	336808788.962469	336808787.93747
Observation end date	2008-09-03T05:59:49	2008-09-03T05:59:47
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.9317221705317

A.2 Comments