

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57546 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 22 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

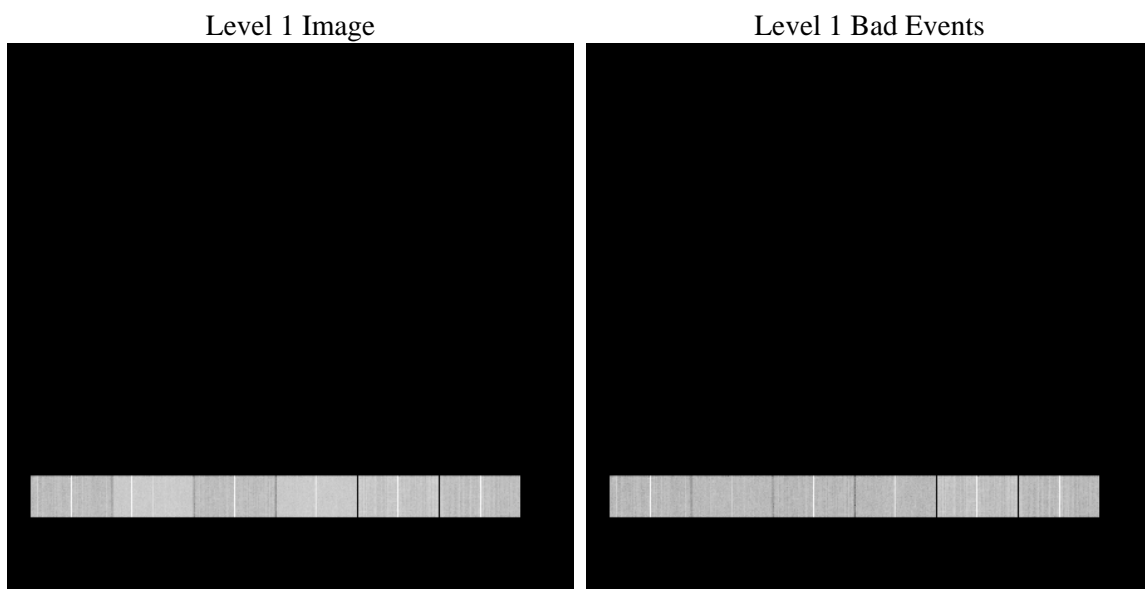
1 Front

seq_num	 	Sequence number
obs_id	57546	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	3.9971955226424	Nominal RA [deg]
dec_nom	25.471360517526	Nominal Dec [deg]
roll_nom	232.08285321006	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6954.75	Sum of GTIs [s]
livetime	6927.5830078125	Livetime [s]
ontime4	3886.8122417331	Sum of GTIs [s]
ontime5	6954.75	Sum of GTIs [s]
ontime6	4216.5885187387	Sum of GTIs [s]
ontime7	6954.75	Sum of GTIs [s]
ontime8	4296.8431980014	Sum of GTIs [s]
ontime9	4177.1901493073	Sum of GTIs [s]
l2events	301613	Number of level 2 events

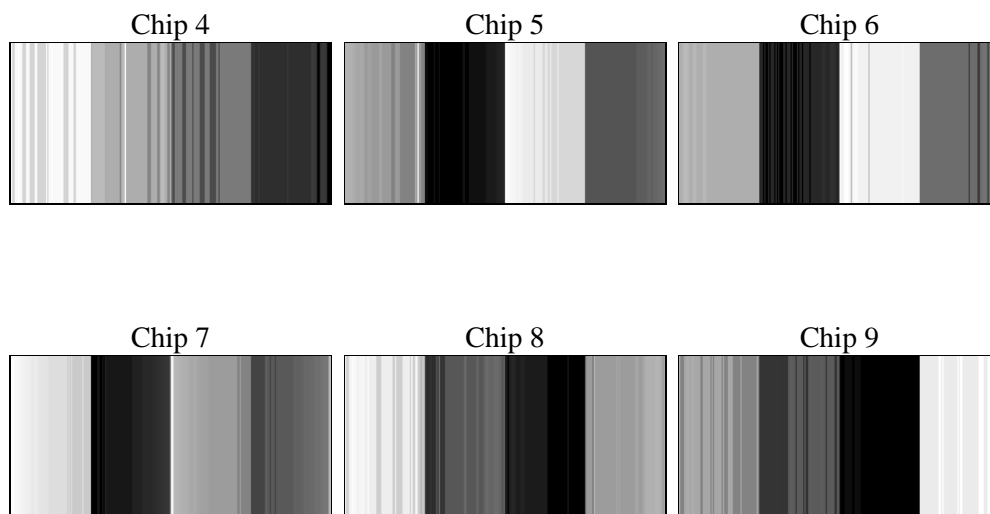
2 OBI

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	6954.75	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	3886.8122417331	Sum of GTIs [s]
date	2012-05-23T00:38:34	Date and time of file creation	ontime5	6954.75	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4216.5885187387	Sum of GTIs [s]
			ontime7	6954.75	Sum of GTIs [s]
			ontime8	4296.8431980014	Sum of GTIs [s]
			ontime9	4177.1901493073	Sum of GTIs [s]
			l1events	1215102	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	163839	252308	167511	235455	219224	176765	grade 0 events	4497	20182	4330	14720	8895	4790
rejected events	140909	129394	139293	129376	184344	149664		2%	7%	2%	6%	4%	2%
rejected %	86%	51%	83%	54%	84%	84%	grade 1 events	56	137	49	139	92	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	24843	50603	28090	32901	29944	26961
								15%	20%	16%	13%	13%	15%
							grade 3 events	1297	2622	1292	6856	2468	1324
								0%	1%	0%	2%	1%	0%
							grade 4 events	1298	2591	1163	6634	2488	1351
								0%	1%	0%	2%	1%	0%
							grade 5 events	2096	8018	2181	9348	3023	2330
								1%	3%	1%	3%	1%	1%
							grade 6 events	7974	48609	10204	46397	12210	9515
								4%	19%	6%	19%	5%	5%
							grade 7 events	121778	119546	120202	118460	160104	130450
								74%	47%	71%	50%	73%	73%

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	3.997195522642357	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	25.47136051752577	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	232.0828532100591	[s] Primary exposure time	0	0
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	340670095.352455	340670094.32746			
Observation start date	2008-10-17T22:34:55	2008-10-17T22:34:54			
[s] Observation end time (MET)	340691073.003489	340691071.97849			
Observation end date	2008-10-18T04:24:33	2008-10-18T04:24:31			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.95475

A.2 Comments