

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 62303 - L2 Version 4

Chandra X-Ray Center

L2 Processing Date : Nov 24 2009

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

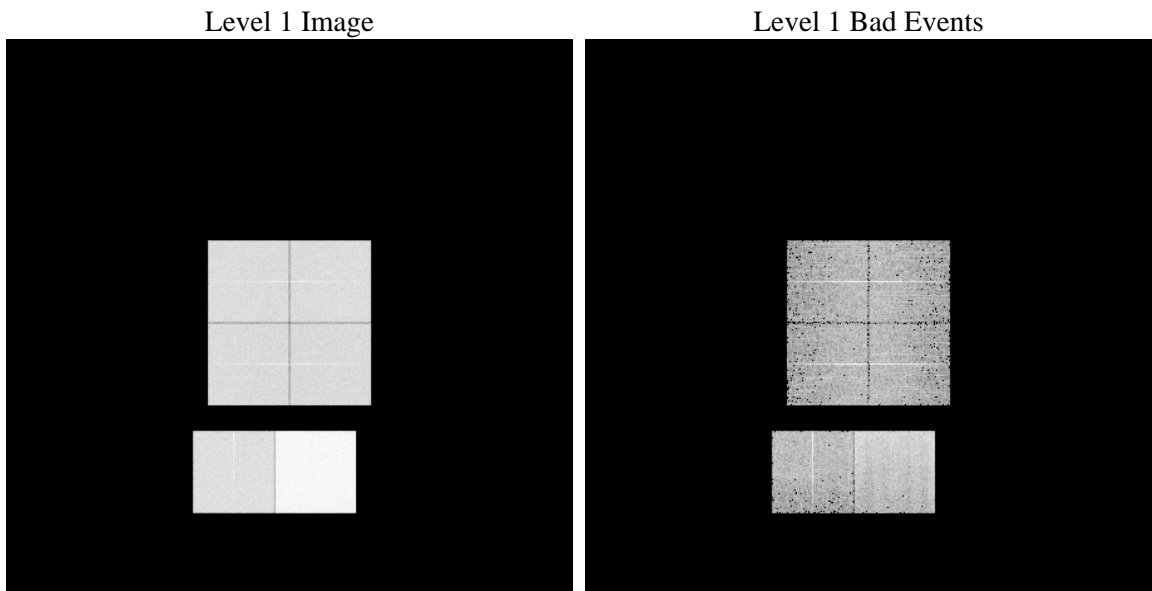
1 Front

seq_num	 	Sequence number
obs_id	62303	Observation id
title	ACIS-012367 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
dec_targ	0.0	Observer's specified target Dec
ra_nom	149.99352720723	Nominal RA
dec_nom	20.028273094529	Nominal Dec
roll_nom	70.248167705211	Nominal Roll
revision	4	Processing version of data
ontime	4917.3183050975	Sum of GTIs [s]
livetime	4855.0522598648	Livetime [s]
ontime0	1985.4228562191	Sum of GTIs [s]
ontime1	1997.1669642702	Sum of GTIs [s]
ontime2	1878.550616011	Sum of GTIs [s]
ontime3	1851.3202437684	Sum of GTIs [s]
ontime6	2131.3926967084	Sum of GTIs [s]
ontime7	4917.3183050975	Sum of GTIs [s]
l2events	1316418	Number of level 2 events

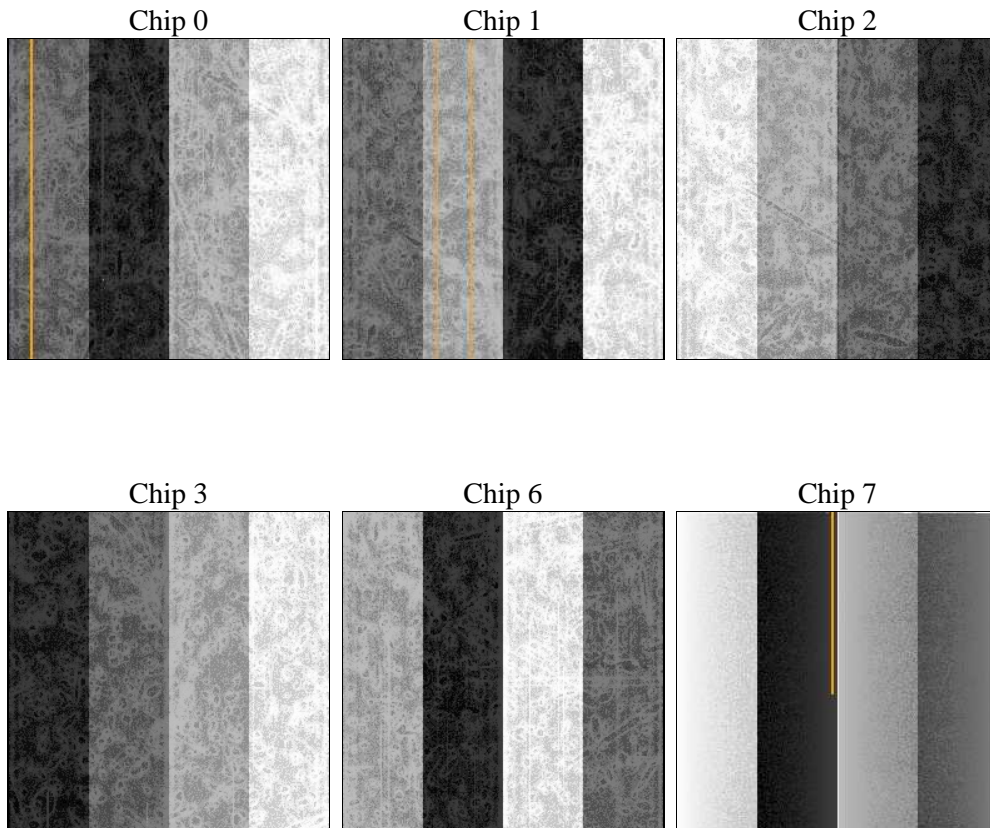
2 OBI

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	Scheduled observation exposure time
ascdsver	8.1.1	ASCDS version number	ontime	4917.3183050975	Sum of GTIs [s]
caldsver	4.1.4	 	ontime0	1985.4228562191	Sum of GTIs [s]
date	2009-11-24T16:54:57	Date and time of file creation	ontime1	1997.1669642702	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	1878.550616011	Sum of GTIs [s]
			ontime3	1851.3202437684	Sum of GTIs [s]
			ontime6	2131.3926967084	Sum of GTIs [s]
			ontime7	4917.3183050975	Sum of GTIs [s]
			l1events	1517680	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	200782	202991	192418	189925	221718	509846	grade 0 events	66805	66813	53240	53470	53199	81647
rejected events	25735	26757	27113	27174	30596	50280		33%	32%	27%	28%	23%	16%
rejected %	12%	13%	14%	14%	13%	9%	grade 1 events	297	277	229	232	200	205
								0%	0%	0%	0%	0%	0%
							grade 2 events	64047	65082	71442	69355	89280	129460
								31%	32%	37%	36%	40%	25%
							grade 3 events	7128	6993	5622	5709	5484	39314
								3%	3%	2%	3%	2%	7%
							grade 4 events	7088	7186	5535	5592	5536	35108
								3%	3%	2%	2%	2%	6%
							grade 5 events	1711	1669	1591	1638	1819	7299
								0%	0%	0%	0%	0%	1%
							grade 6 events	29979	30160	29466	28625	37623	174037
								14%	14%	15%	15%	16%	34%
							grade 7 events	23727	24811	25293	25304	28577	42776
								11%	12%	13%	13%	12%	8%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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
Pointing RA	0	149.9935272072343	Alternating exposures requested	N	N
Pointing Dec	0	20.02827309452917	Primary exposure time	3.2	3.2
Pointing Roll	0.0	70.24816770521132			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	59615444.353736	59615443.585286			
Observation start date	1999-11-21T23:50:44	1999-11-21T23:50:43			
Observation end time	59659064.255317	59659063.486864			
Observation end date	1999-11-22T11:57:44	1999-11-22T11:57:43			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9173183050975

A.2 Comments

This observation was acquired with the focal plane temperature raised from -120C to -110C, for attempted recalibration of ACIS for the 1999-09-16 through 2000-01-28 period. This reprocessing of the data applies no CTI correction because none is available for that temperature.