

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 62006 - L2 Version 6
Chandra X-Ray Center

L2 Processing Date : Apr 4 2013

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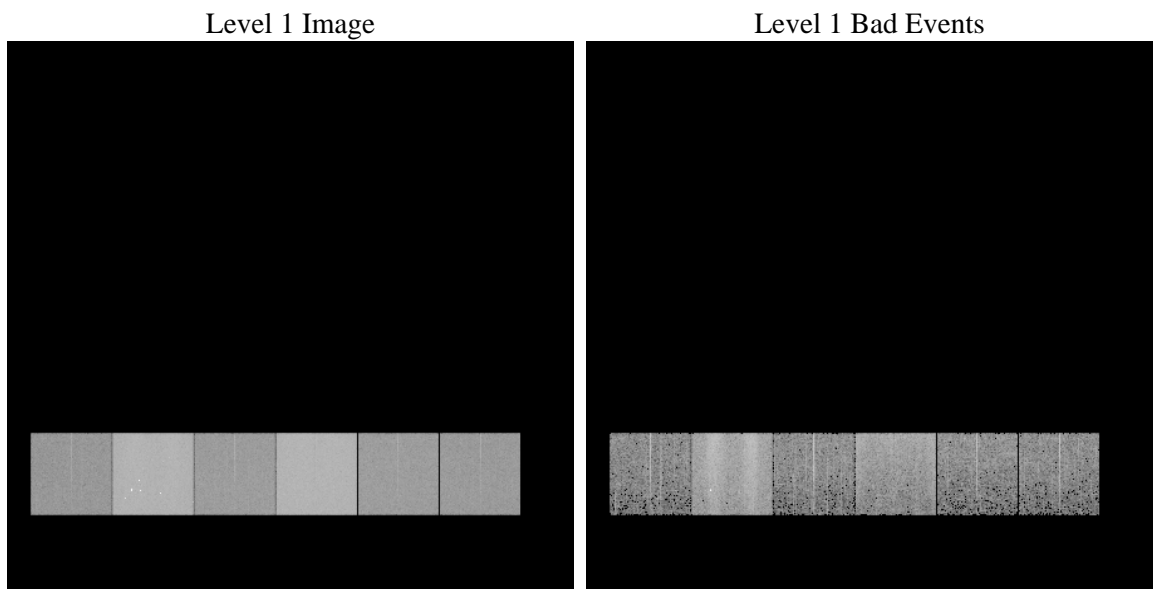
1 Front

seq_num	 	Sequence number
obs_id	62006	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	149.98837233404	Nominal RA [deg]
dec_nom	-50.027763713642	Nominal Dec [deg]
roll_nom	222.58345487709	Nominal Roll [deg]
revision	6	Processing version of data
ontime	4443.3066063523	Sum of GTIs [s]
livetime	4387.0427826647	Livetime [s]
ontime4	1736.5624825358	Sum of GTIs [s]
ontime5	4705.8256719261	Sum of GTIs [s]
ontime6	1924.5018717051	Sum of GTIs [s]
ontime7	4443.3066063523	Sum of GTIs [s]
ontime8	1976.8940064758	Sum of GTIs [s]
ontime9	1875.7629125714	Sum of GTIs [s]
l2events	1184529	Number of level 2 events

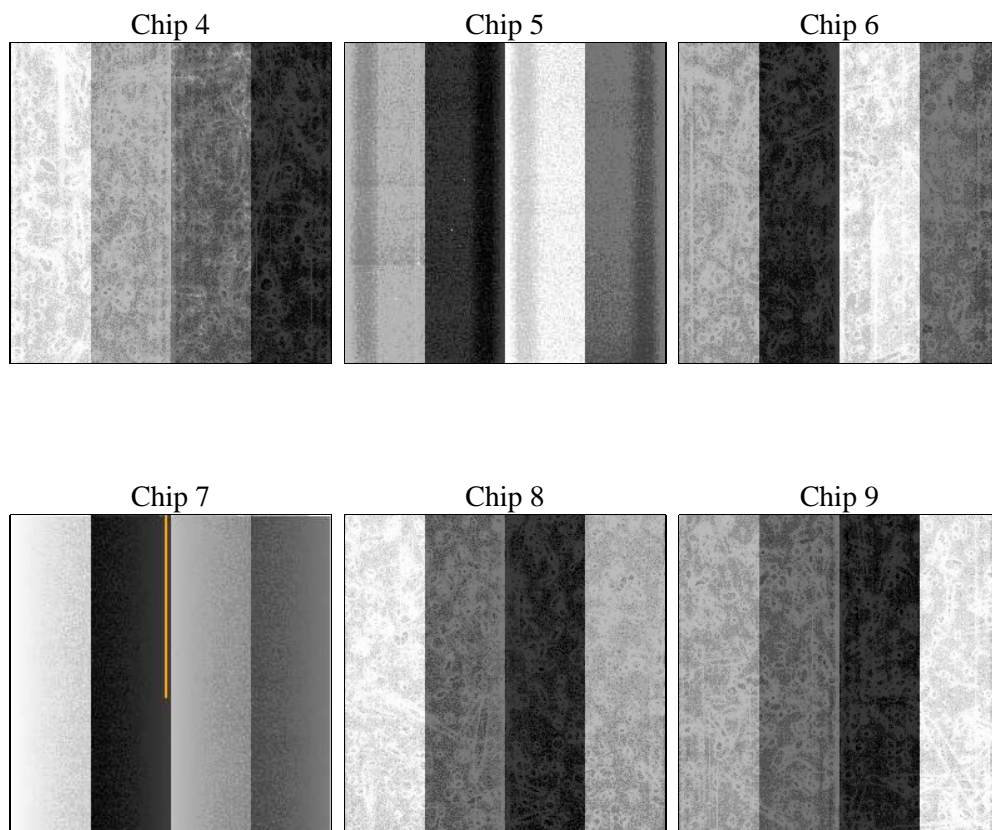
2 OBI

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	8.5.1.1	Processing system revision	ontime	4443.3066063523	Sum of GTIs [s]
caldsver	4.5.6	 	ontime4	1736.5624825358	Sum of GTIs [s]
date	2013-04-04T16:20:50	Date and time of file creation	ontime5	4705.8256719261	Sum of GTIs [s]
revision	6	Processing version of data	ontime6	1924.5018717051	Sum of GTIs [s]
			ontime7	4443.3066063523	Sum of GTIs [s]
			ontime8	1976.8940064758	Sum of GTIs [s]
			ontime9	1875.7629125714	Sum of GTIs [s]
			l1events	1432753	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	145703	383979	173784	389447	177827	162013	grade 0 events	27318	36932	41570	63044	52892	41513
rejected events	22083	62211	24218	39122	23414	22149		18%	9%	23%	16%	29%	25%
rejected %	15%	16%	13%	10%	13%	13%	grade 1 events	95	373	141	133	169	145
								0%	0%	0%	0%	0%	0%
							grade 2 events	67729	124877	69973	99253	63025	63471
								46%	32%	40%	25%	35%	39%
							grade 3 events	2967	16559	4275	29315	5484	4257
								2%	4%	2%	7%	3%	2%
							grade 4 events	2859	14524	4369	26650	5479	4313
								1%	3%	2%	6%	3%	2%
							grade 5 events	1109	6404	1398	5532	1501	1282
								0%	1%	0%	1%	0%	0%
							grade 6 events	22747	129107	29379	132309	27799	26310
								15%	33%	16%	33%	15%	16%
							grade 7 events	20879	55203	22679	33211	21478	20722
								14%	14%	13%	8%	12%	12%

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	149.9883723340446	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-50.02776371364244	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	222.5834548770914			
[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)	79035091.017	79035090.24853601			
Observation start date	2000-07-03T18:11:31	2000-07-03T18:11:30			
[s] Observation end time (MET)	79081601.419	79081600.650251			
Observation end date	2000-07-04T07:06:41	2000-07-04T07:06:40			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.4433066063523

A.2 Comments

This observation was taken with the FP_TEMP values at about -109C.
Changes in the FP_TEMP values near the end of the observation prevented the software from determining the correct value for this observation.
Custom processing used hard-coded values for the following calibration steps to obtain correct results.

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CTI correction: NONE===

ACIS GAIN FILE: acisD1999-09-16gainN0006.fits===

ACIS T_GAIN: acisD1999-09-16t_gainN0005.fits.