

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61169 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Oct 17 2012

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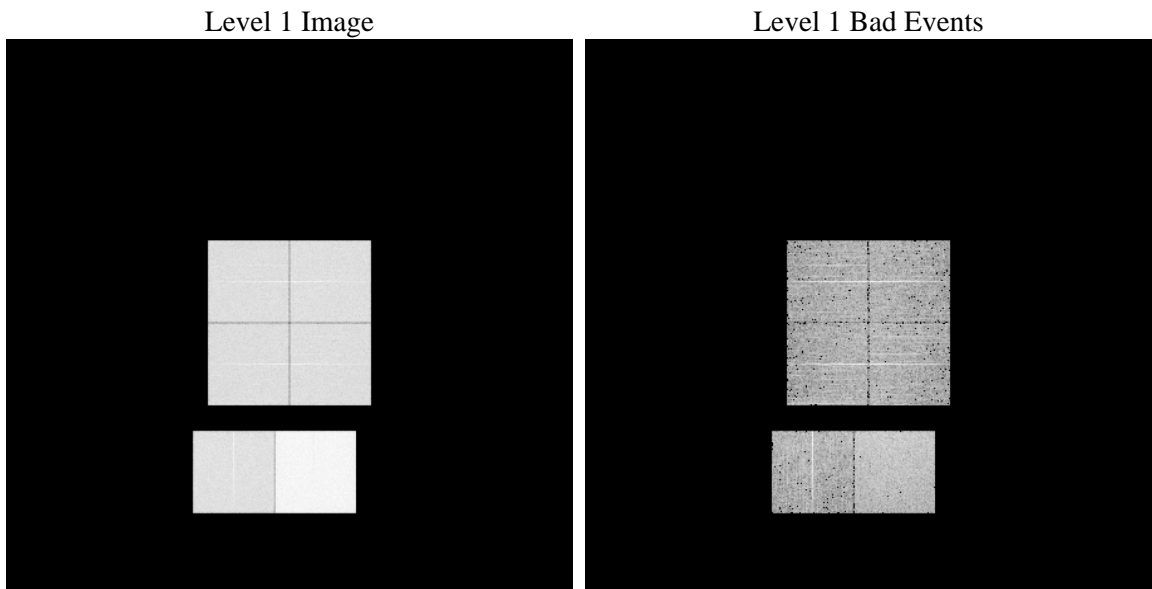
1 Front

seq_num	 	Sequence number
obs_id	61169	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 [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	180.00539471734	Nominal RA [deg]
dec_nom	-6.7281143481577	Nominal Dec [deg]
roll_nom	247.95613038362	Nominal Roll [deg]
revision	4	Processing version of data
ontime	8457.0881655514	Sum of GTIs [s]
livetime	8349.9994229521	Livetime [s]
ontime0	3746.6342583895	Sum of GTIs [s]
ontime1	3876.2749408185	Sum of GTIs [s]
ontime2	3623.475276947	Sum of GTIs [s]
ontime3	3659.1263079047	Sum of GTIs [s]
ontime6	3947.5767348707	Sum of GTIs [s]
ontime7	8457.0881655514	Sum of GTIs [s]
l2events	1318727	Number of level 2 events

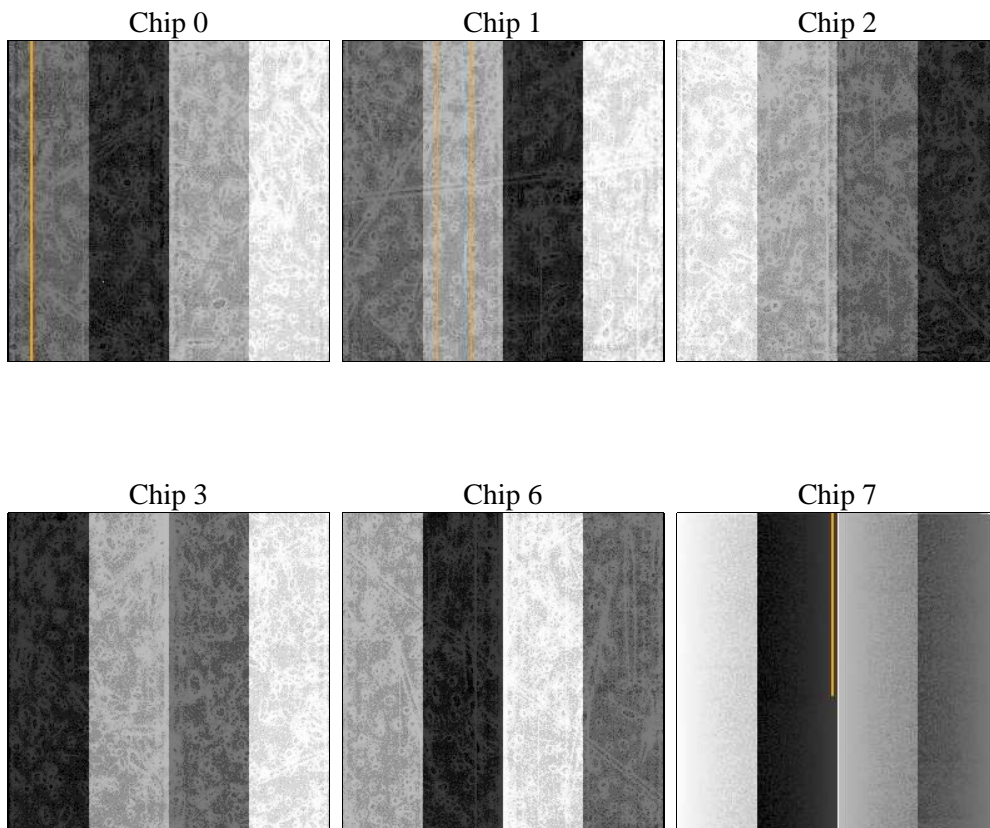
2 OBI

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	8457.0881655514	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	3746.6342583895	Sum of GTIs [s]
date	2012-10-17T17:57:51	Date and time of file creation	ontime1	3876.2749408185	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	3623.475276947	Sum of GTIs [s]
			ontime3	3659.1263079047	Sum of GTIs [s]
			ontime6	3947.5767348707	Sum of GTIs [s]
			ontime7	8457.0881655514	Sum of GTIs [s]
			l1events	1556477	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	210563	217238	206836	210866	232388	478586	grade 0 events	101703	105360	100120	102626	111144	108844
rejected events	26197	25954	26701	28217	28836	44774		48%	48%	48%	48%	47%	22%
rejected %	12%	11%	12%	13%	12%	9%	grade 1 events	511	509	470	525	557	275
								0%	0%	0%	0%	0%	0%
							grade 2 events	32606	33981	31742	31847	35130	95289
								15%	15%	15%	15%	15%	19%
							grade 3 events	11670	11987	11417	11365	12478	43852
								5%	5%	5%	5%	5%	9%
							grade 4 events	11420	12260	11318	11375	12458	43676
								5%	5%	5%	5%	5%	9%
							grade 5 events	1800	1926	1666	1940	1987	8868
								0%	0%	0%	0%	0%	1%
							grade 6 events	26967	27696	25574	25436	32342	142370
								12%	12%	12%	12%	13%	29%
							grade 7 events	23886	23519	24529	25752	26292	35412
								11%	10%	11%	12%	11%	7%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
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
[deg] Pointing RA	0	180.0053947173373	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-6.728114348157728	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	247.9561303836178			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	140075719.41	140075718.38555			
Observation start date	2002-06-10T05:55:19	2002-06-10T05:55:18			
[s] Observation end time (MET)	140097037.361	140097036.33642			
Observation end date	2002-06-10T11:50:37	2002-06-10T11:50:36			
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)	2012.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4570881655514

A.2 Comments

The bias map for CCD_ID = 2 was incomplete because of gaps in telemetry. The bias map for CCD 2 was reconstructed using scaled data from a comparable bias map for another observation to fill the data gaps. The region affected is bounded by the chip coordinates:
(1,25),(1024,25),(1024,34),(1,34)