

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 54096 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 14 2012

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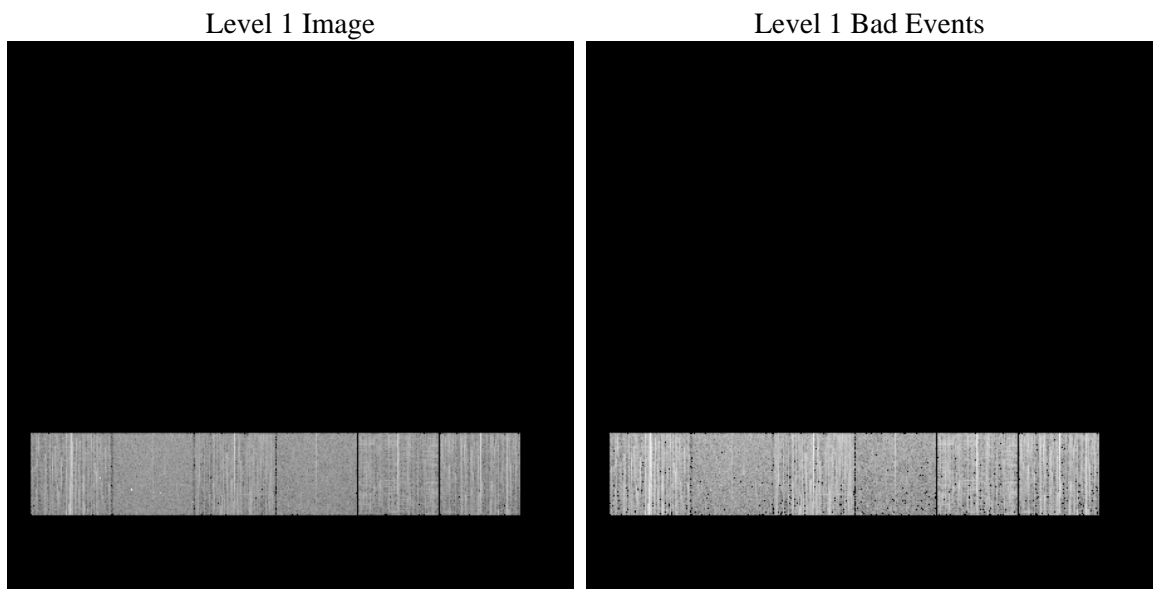
1 Front

seq_num	 	Sequence number
obs_id	54096	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	100.00117511264	Nominal RA [deg]
dec_nom	7.0378890755347	Nominal Dec [deg]
roll_nom	45.940755828722	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3285.980445981	Sum of GTIs [s]
livetime	3244.3713829941	Livetime [s]
ontime4	3285.8573259711	Sum of GTIs [s]
ontime5	3285.9394059777	Sum of GTIs [s]
ontime6	3285.8983659744	Sum of GTIs [s]
ontime7	3285.980445981	Sum of GTIs [s]
ontime8	3285.8162859678	Sum of GTIs [s]
ontime9	3286.0214859843	Sum of GTIs [s]
l2events	103953	Number of level 2 events

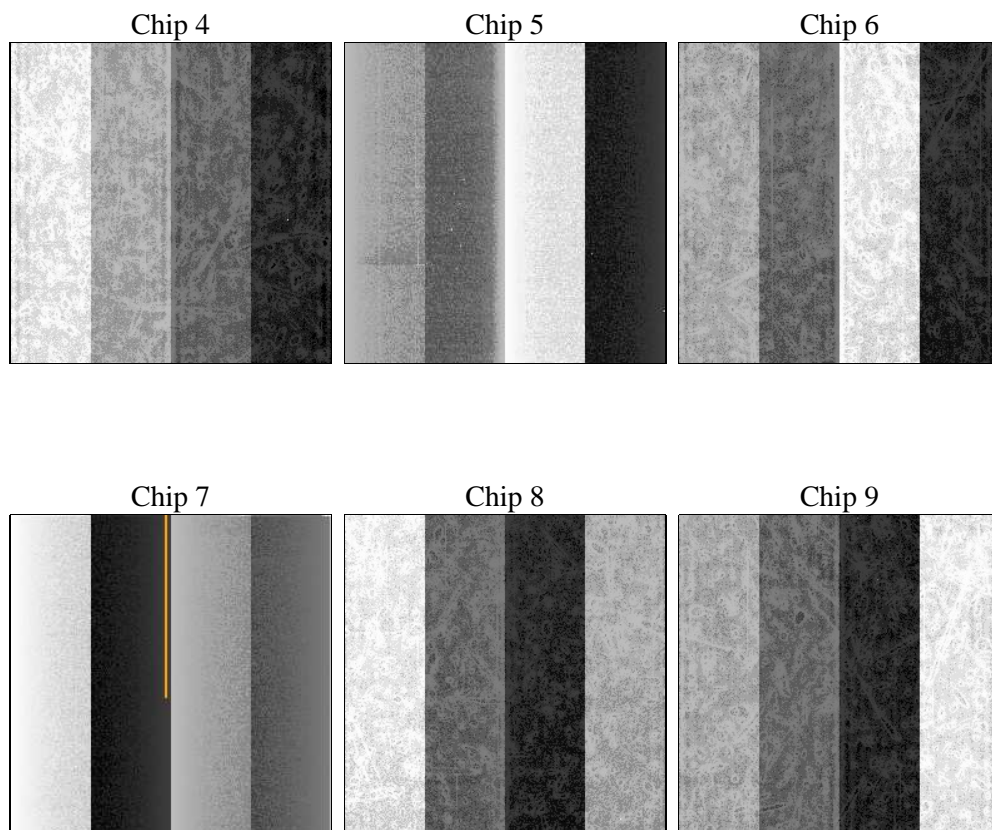
2 OBI

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	Processing system revision	ontime	3285.980445981	Sum of GTIs [s]
caldbver	4.5.5	 	ontime4	3285.8573259711	Sum of GTIs [s]
date	2012-12-14T16:22:04	Date and time of file creation	ontime5	3285.9394059777	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3285.8983659744	Sum of GTIs [s]
			ontime7	3285.980445981	Sum of GTIs [s]
			ontime8	3285.8162859678	Sum of GTIs [s]
			ontime9	3286.0214859843	Sum of GTIs [s]
			l1events	388585	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	72102	57212	68840	52931	67640	69860	grade 0 events	8128	3126	7428	3761	8481	7371
rejected events	57388	30281	53972	27507	49083	55496		11%	5%	10%	7%	12%	10%
rejected %	79%	52%	78%	51%	72%	79%	grade 1 events	58	49	38	34	53	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	2620	9846	2898	6337	3683	2700
								3%	17%	4%	11%	5%	3%
							grade 3 events	1000	1020	1010	2141	1456	1000
								1%	1%	1%	4%	2%	1%
							grade 4 events	1011	1005	982	2099	1413	1004
								1%	1%	1%	3%	2%	1%
							grade 5 events	1257	2622	1359	3219	1681	1504
								1%	4%	1%	6%	2%	2%
							grade 6 events	1955	11934	2550	11086	3524	2289
								2%	20%	3%	20%	5%	3%
							grade 7 events	56073	27610	52575	24254	47349	53951
								77%	48%	76%	45%	70%	77%

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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	100.0011751126397	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	7.037889075534666	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	45.94075582872235	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	471816704.14427	471816703.11927			
Observation start date	2012-12-13T20:11:44	2012-12-13T20:11:43			
[s] Observation end time (MET)	471824541.294693	471824540.26969			
Observation end date	2012-12-13T22:22:21	2012-12-13T22:22:20			
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)	2012.12.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.285980445981

A.2 Comments