

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54420 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Aug 15 2012

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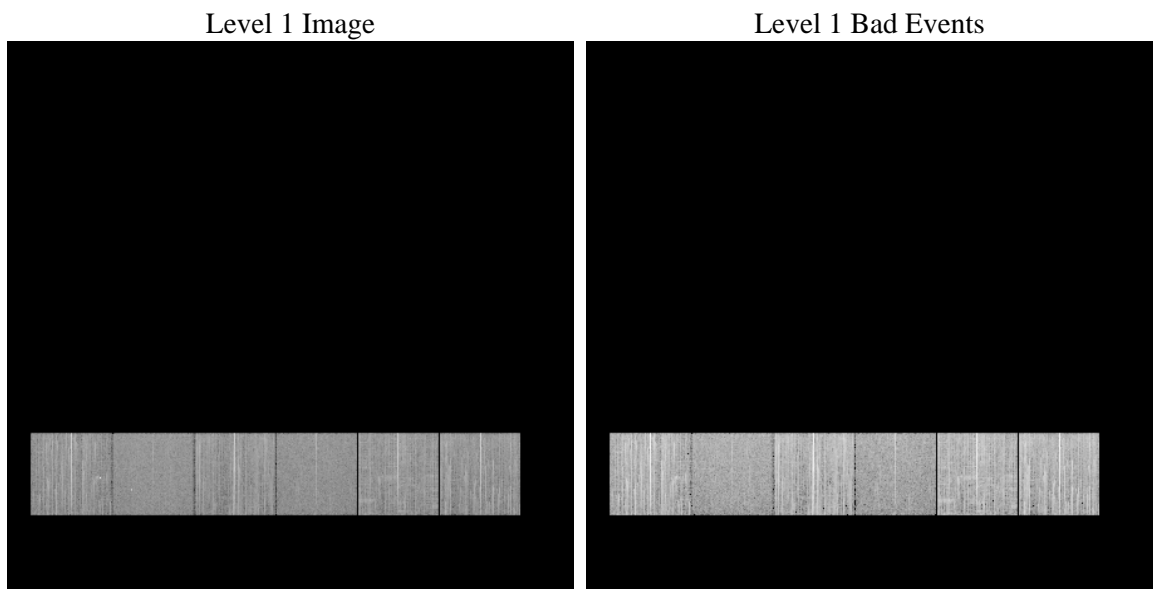
1 Front

seq_num	 	Sequence number
obs_id	54420	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	68.039384432958	Nominal RA [deg]
dec_nom	26.023335427662	Nominal Dec [deg]
roll_nom	88.855221142257	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6780.7999747992	Sum of GTIs [s]
livetime	6694.9374026107	Livetime [s]
ontime4	6780.7999747992	Sum of GTIs [s]
ontime5	6780.7999747992	Sum of GTIs [s]
ontime6	6780.7999747992	Sum of GTIs [s]
ontime7	6780.7999747992	Sum of GTIs [s]
ontime8	6780.7999747992	Sum of GTIs [s]
ontime9	6780.7999747992	Sum of GTIs [s]
l2events	223295	Number of level 2 events

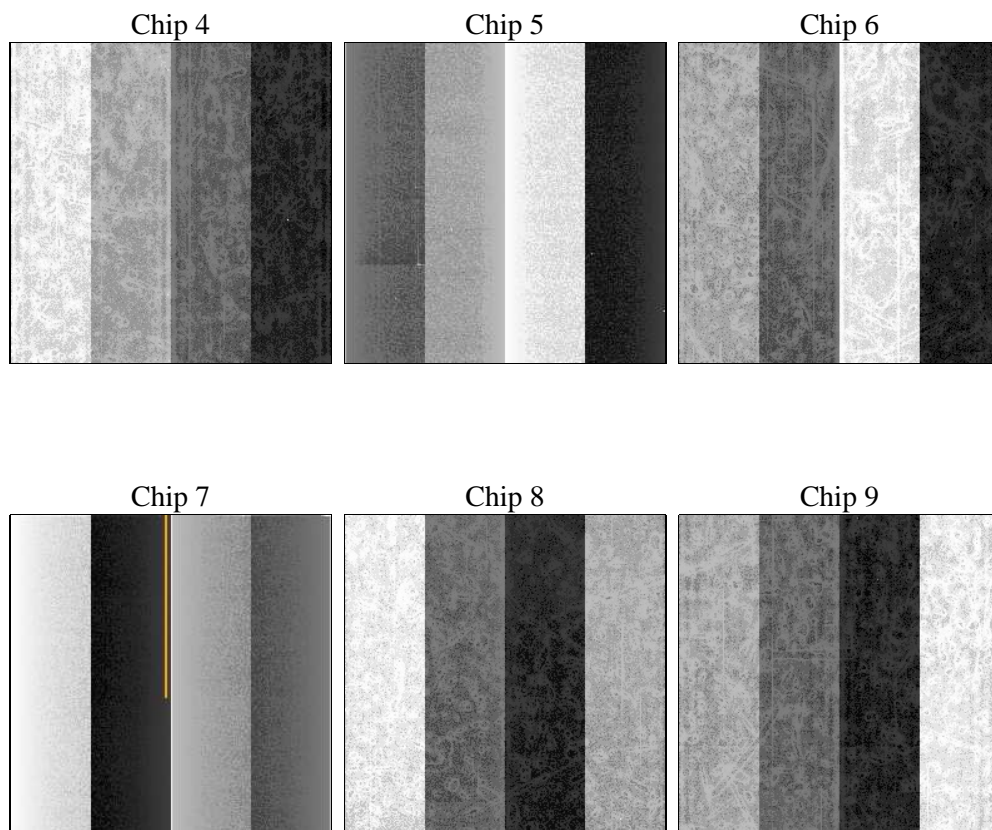
2 OBI

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	6780.7999747992	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	6780.7999747992	Sum of GTIs [s]
date	2012-08-15T13:26:17	Date and time of file creation	ontime5	6780.7999747992	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	6780.7999747992	Sum of GTIs [s]
			ontime7	6780.7999747992	Sum of GTIs [s]
			ontime8	6780.7999747992	Sum of GTIs [s]
			ontime9	6780.7999747992	Sum of GTIs [s]
			l1events	755929	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	130808	113949	131078	108233	136599	135262	grade 0 events	18246	5962	16530	8258	18394	16201
rejected events	98395	59558	98136	55099	96945	103617		13%	5%	12%	7%	13%	11%
rejected %	75%	52%	74%	50%	70%	76%	grade 1 events	151	80	81	91	101	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	5787	20328	6565	13090	7925	6071
								4%	17%	5%	12%	5%	4%
							grade 3 events	2177	2218	2112	4515	2964	2118
								1%	1%	1%	4%	2%	1%
							grade 4 events	2143	2076	2128	4453	3000	2114
								1%	1%	1%	4%	2%	1%
							grade 5 events	2525	5210	2400	6264	3260	2865
								1%	4%	1%	5%	2%	2%
							grade 6 events	4084	23836	5616	22847	7407	5155
								3%	20%	4%	21%	5%	3%
							grade 7 events	95695	54239	95646	48715	93548	100657
								73%	47%	72%	45%	68%	74%

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	68.03938443295823	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	26.02333542766171	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	88.85522114225739	[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)	460851083.405826	460851082.38083			
Observation start date	2012-08-08T22:11:23	2012-08-08T22:11:22			
[s] Observation end time (MET)	460862315.356427	460862314.33143			
Observation end date	2012-08-09T01:18:35	2012-08-09T01:18:34			
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)	2012.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.7807999747992

A.2 Comments