

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54230 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 20 2012

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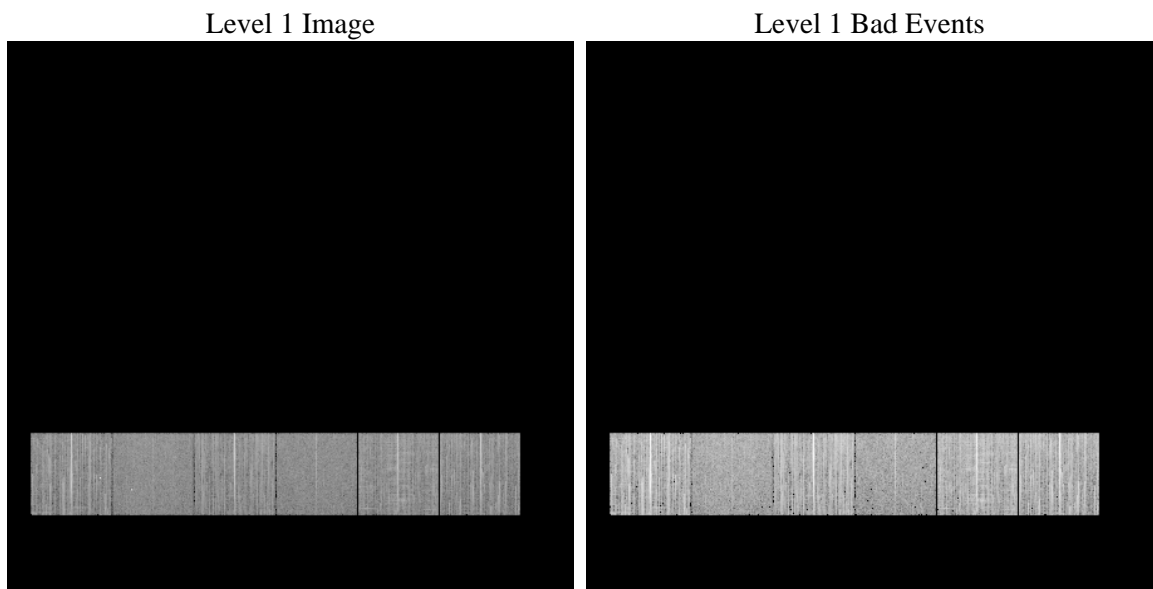
1 Front

seq_num	 	Sequence number
obs_id	54230	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	49.635694816242	Nominal RA [deg]
dec_nom	12.250999483332	Nominal Dec [deg]
roll_nom	92.335440006756	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4943.9999816418	Sum of GTIs [s]
livetime	4881.3960769548	Livetime [s]
ontime4	4943.9999816418	Sum of GTIs [s]
ontime5	4943.9999816418	Sum of GTIs [s]
ontime6	4943.9999816418	Sum of GTIs [s]
ontime7	4943.9999816418	Sum of GTIs [s]
ontime8	4943.9999816418	Sum of GTIs [s]
ontime9	4943.9999816418	Sum of GTIs [s]
l2events	155388	Number of level 2 events

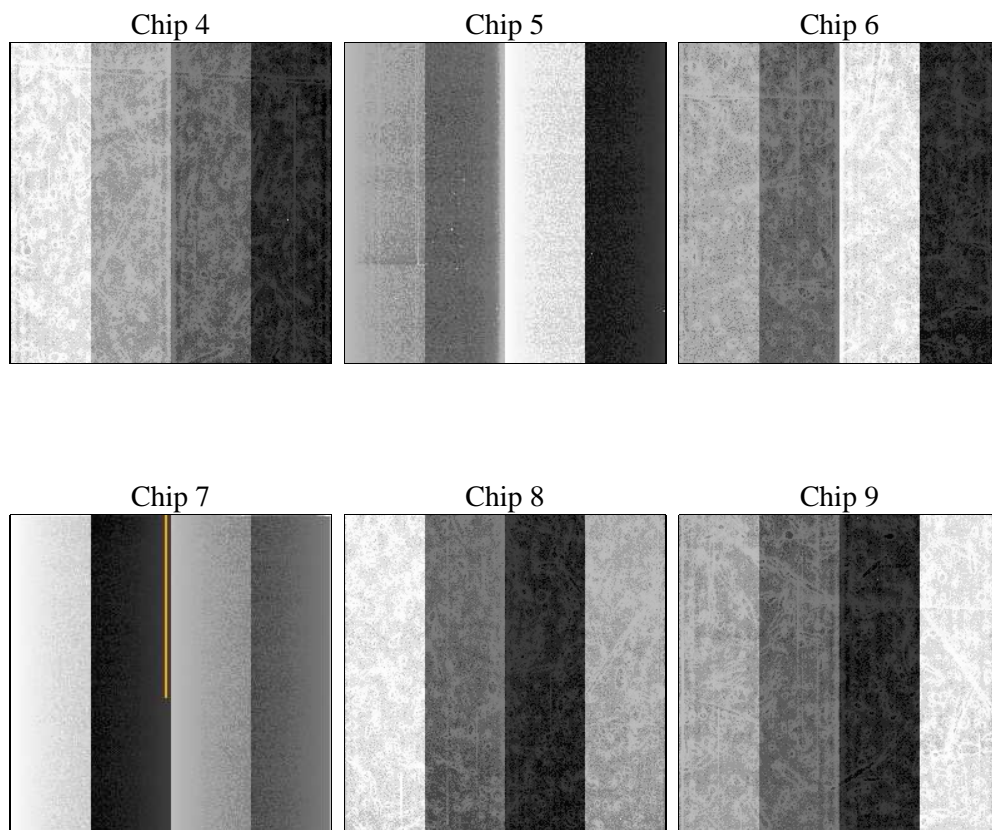
2 OBI

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	4943.9999816418	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	4943.9999816418	Sum of GTIs [s]
date	2012-10-20T05:32:54	Date and time of file creation	ontime5	4943.9999816418	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	4943.9999816418	Sum of GTIs [s]
			ontime7	4943.9999816418	Sum of GTIs [s]
			ontime8	4943.9999816418	Sum of GTIs [s]
			ontime9	4943.9999816418	Sum of GTIs [s]
			l1events	581824	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	106125	86221	102445	81497	105849	99687	grade 0 events	13117	3716	11478	5770	13093	11674
rejected events	83514	48195	79834	43892	78347	77500		12%	4%	11%	7%	12%	11%
rejected %	78%	55%	77%	53%	74%	77%	grade 1 events	95	91	47	54	67	60
								0%	0%	0%	0%	0%	0%
							grade 2 events	4194	14963	5058	9616	5822	4486
								3%	17%	4%	11%	5%	4%
							grade 3 events	1579	1278	1418	3132	2033	1490
								1%	1%	1%	3%	1%	1%
							grade 4 events	1525	1246	1529	3105	2111	1511
								1%	1%	1%	3%	1%	1%
							grade 5 events	1933	3721	1880	4533	2553	2070
								1%	4%	1%	5%	2%	2%
							grade 6 events	2935	18183	3922	17226	5345	3719
								2%	21%	3%	21%	5%	3%
							grade 7 events	80747	43023	77113	38061	74825	74677
								76%	49%	75%	46%	70%	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	49.63569481624178	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	12.25099948333229	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	92.33544000675565	[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)	467022309.436526	467022308.41153			
Observation start date	2012-10-19T08:25:09	2012-10-19T08:25:08			
[s] Observation end time (MET)	467027912.086827	467027911.06183			
Observation end date	2012-10-19T09:58:32	2012-10-19T09:58:31			
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)	2012.10.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9439999816418

A.2 Comments