

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 54644 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 3 2012

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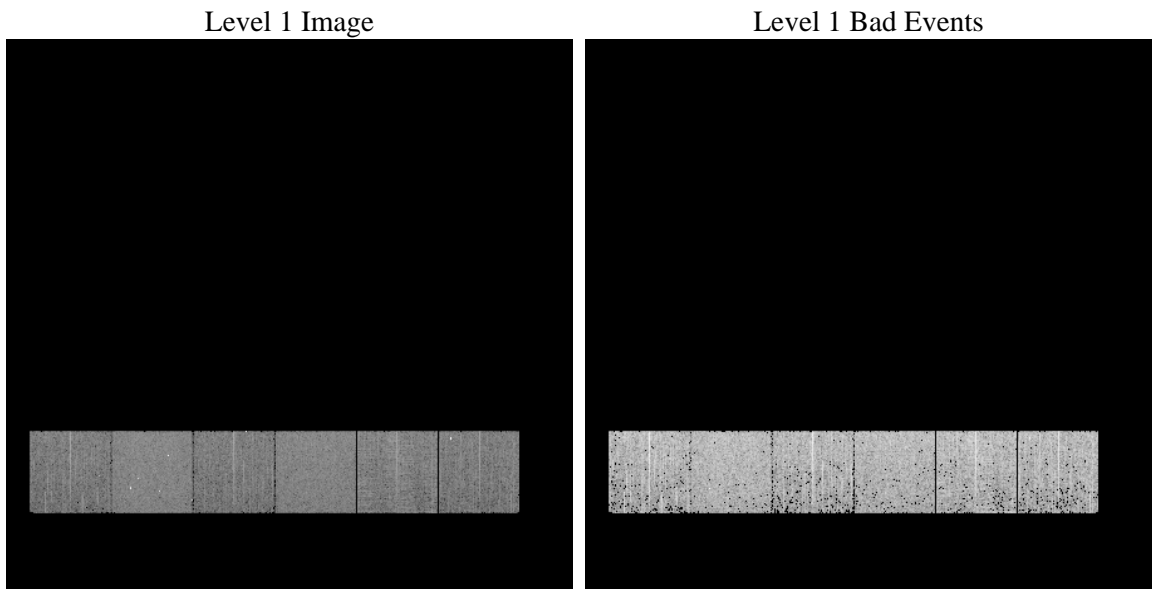
1 Front

seq_num	 	Sequence number
obs_id	54644	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	231.97078749728	Nominal RA [deg]
dec_nom	11.995333884225	Nominal Dec [deg]
roll_nom	156.72449363008	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3276.7049639821	Sum of GTIs [s]
livetime	3235.2133527333	Livetime [s]
ontime4	3279.1900577545	Sum of GTIs [s]
ontime5	3276.7049639821	Sum of GTIs [s]
ontime6	3279.2310977578	Sum of GTIs [s]
ontime7	3276.7049639821	Sum of GTIs [s]
ontime8	3279.1490177512	Sum of GTIs [s]
ontime9	3276.7049741149	Sum of GTIs [s]
l2events	114211	Number of level 2 events

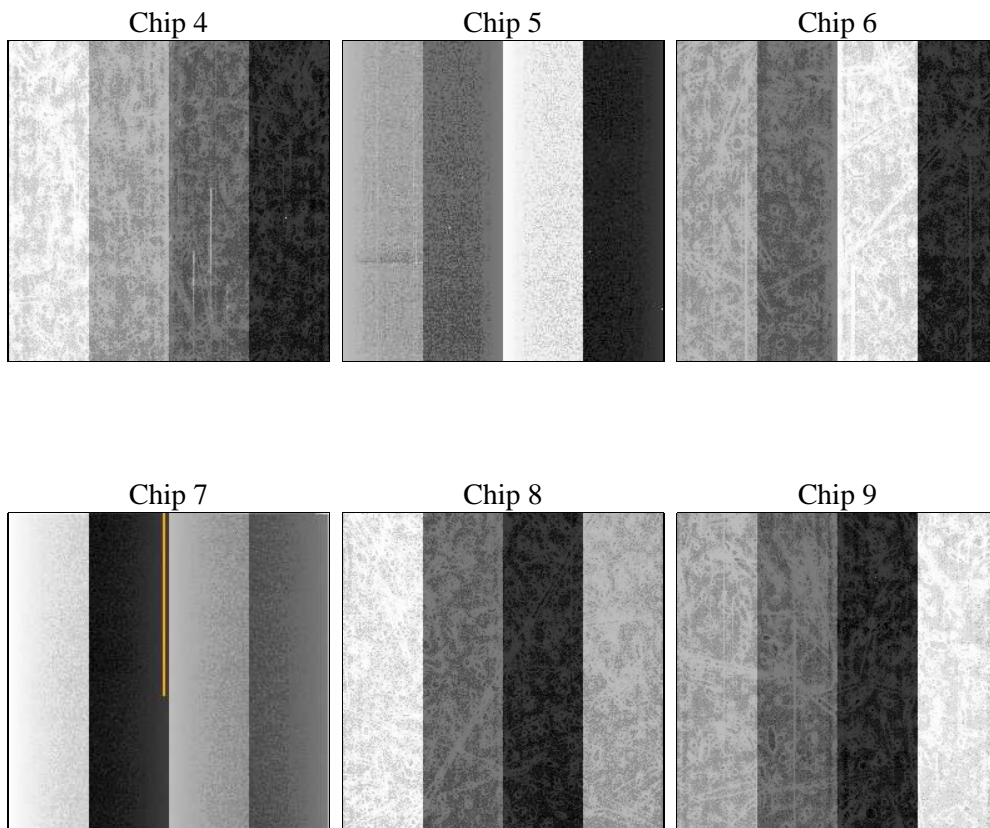
2 OBI

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	8.4.4	Processing system revision	ontime	3276.7049639821	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	3279.1900577545	Sum of GTIs [s]
date	2012-05-03T18:57:43	Date and time of file creation	ontime5	3276.7049639821	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3279.2310977578	Sum of GTIs [s]
			ontime7	3276.7049639821	Sum of GTIs [s]
			ontime8	3279.1490177512	Sum of GTIs [s]
			ontime9	3276.7049741149	Sum of GTIs [s]
			l1events	273571	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	39345	55460	40128	50127	46692	41819	grade 0 events	8835	5105	9377	4402	9886	9381
rejected events	23674	24152	22447	22891	25517	23786		22%	9%	23%	8%	21%	22%
rejected %	60%	43%	55%	45%	54%	56%	grade 1 events	89	160	56	52	42	75
								0%	0%	0%	0%	0%	0%
							grade 2 events	2454	10945	3155	5959	4241	3807
								6%	19%	7%	11%	9%	9%
							grade 3 events	1098	1068	1061	2295	1563	1128
								2%	1%	2%	4%	3%	2%
							grade 4 events	1159	1075	1161	2360	1597	1091
								2%	1%	2%	4%	3%	2%
							grade 5 events	1353	2996	1475	3482	1850	1677
								3%	5%	3%	6%	3%	4%
							grade 6 events	2125	13115	2927	12220	3888	2626
								5%	23%	7%	24%	8%	6%
							grade 7 events	22232	20996	20916	19357	23625	22034
								56%	37%	52%	38%	50%	52%

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	231.9707874972769	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	11.99533388422545	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	156.7244936300753	[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)	452371937.532738	452371936.50774			
Observation start date	2012-05-02T18:52:18	2012-05-02T18:52:16			
[s] Observation end time (MET)	452383329.383343	452383328.35834			
Observation end date	2012-05-02T22:02:09	2012-05-02T22:02:08			
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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2767049639821

A.2 Comments