

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 54597 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 21 2012

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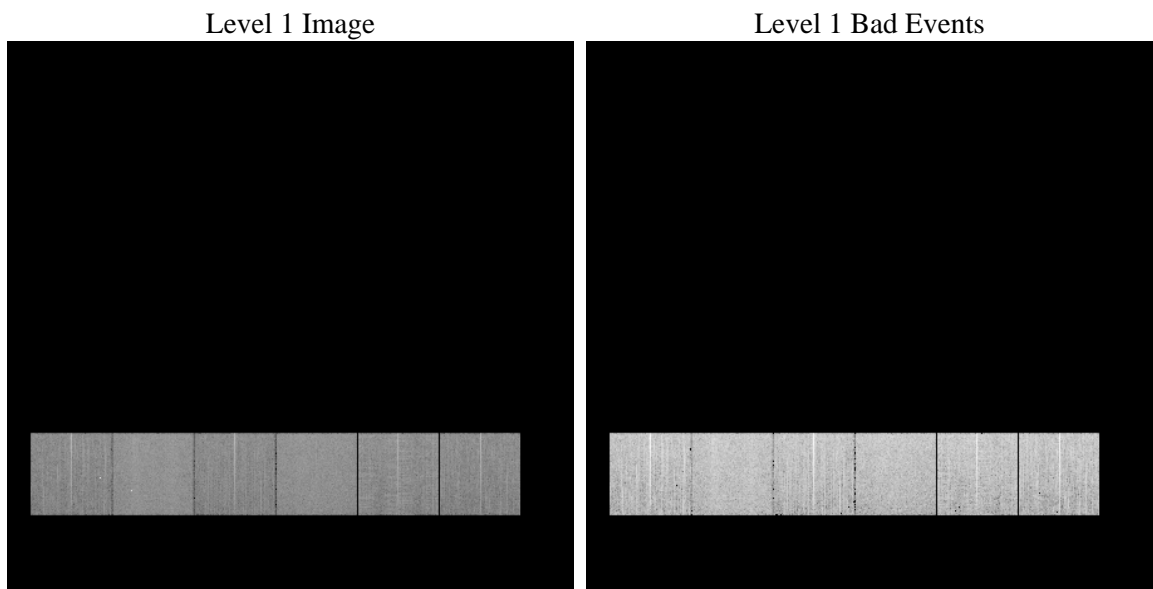
1 Front

seq_num	 	Sequence number
obs_id	54597	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	209.00951467795	Nominal RA [deg]
dec_nom	-57.304278174838	Nominal Dec [deg]
roll_nom	124.50137818173	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8213.00171417	Sum of GTIs [s]
livetime	8109.0037411892	Livetime [s]
ontime4	8212.8785941601	Sum of GTIs [s]
ontime5	8212.9606741667	Sum of GTIs [s]
ontime6	8212.9196341634	Sum of GTIs [s]
ontime7	8213.00171417	Sum of GTIs [s]
ontime8	8212.8375541568	Sum of GTIs [s]
ontime9	8213.0427541733	Sum of GTIs [s]
l2events	279952	Number of level 2 events

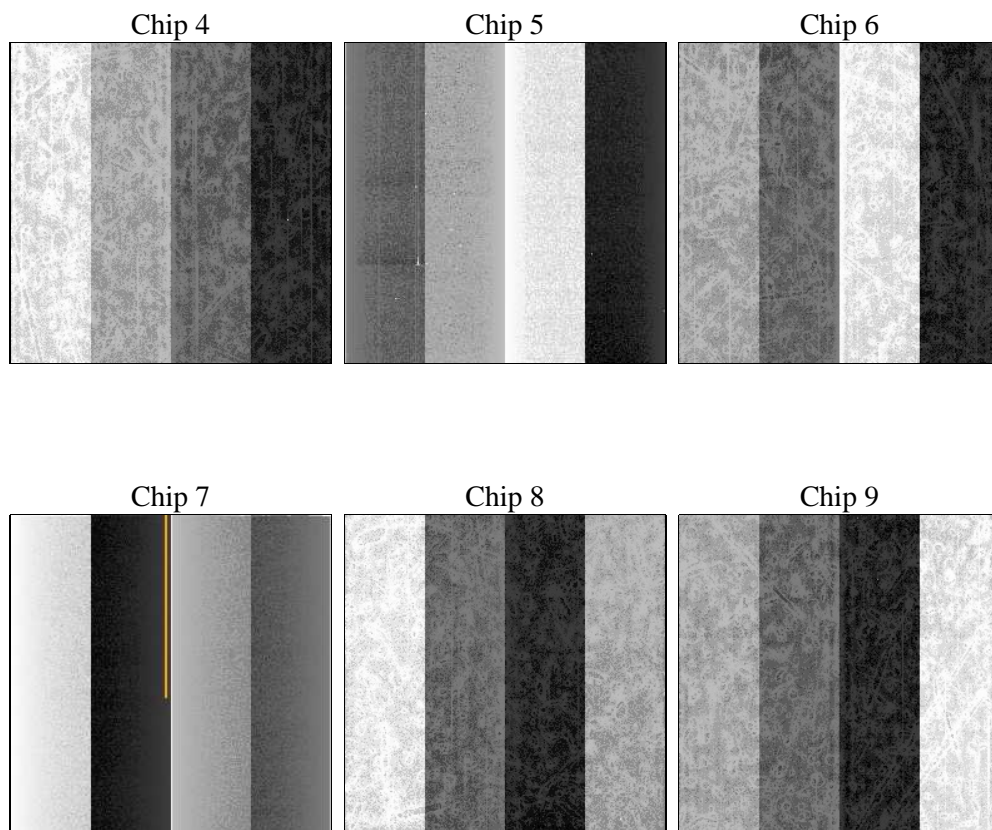
2 OBI

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	8213.00171417	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8212.8785941601	Sum of GTIs [s]
date	2012-05-22T01:51:58	Date and time of file creation	ontime5	8212.9606741667	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8212.9196341634	Sum of GTIs [s]
			ontime7	8213.00171417	Sum of GTIs [s]
			ontime8	8212.8375541568	Sum of GTIs [s]
			ontime9	8213.0427541733	Sum of GTIs [s]
			l1events	667606	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	100555	130727	99712	123481	112688	100443	grade 0 events	23302	6060	19151	9982	23623	20471
rejected events	60873	60664	59081	57620	62122	60792		23%	4%	19%	8%	20%	20%
rejected %	60%	46%	59%	46%	55%	60%	grade 1 events	195	190	103	96	149	116
								0%	0%	0%	0%	0%	0%
							grade 2 events	6001	26156	9687	14717	10237	7514
								5%	20%	9%	11%	9%	7%
							grade 3 events	2781	2350	2358	5380	3641	2716
								2%	1%	2%	4%	3%	2%
							grade 4 events	2742	2249	2356	5238	3561	2617
								2%	1%	2%	4%	3%	2%
							grade 5 events	3163	6451	3208	7908	4256	3694
								3%	4%	3%	6%	3%	3%
							grade 6 events	5144	33805	7403	31078	9911	6643
								5%	25%	7%	25%	8%	6%
							grade 7 events	57227	53466	55446	49082	57310	56672
								56%	40%	55%	39%	50%	56%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	209.0095146779494
[deg] Pointing Dec	0	-57.30427817483776
[deg] Pointing Roll	0.0	124.5013781817271
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	453995588.869052	453995588.869052
Observation start date	2012-05-21T13:53:09	2012-05-21T13:53:08
[s] Observation end time (MET)	454005367.003372	454005367.003372
Observation end date	2012-05-21T16:36:07	2012-05-21T16:36:07
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.21300171417

A.2 Comments