

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54393 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 22 2012

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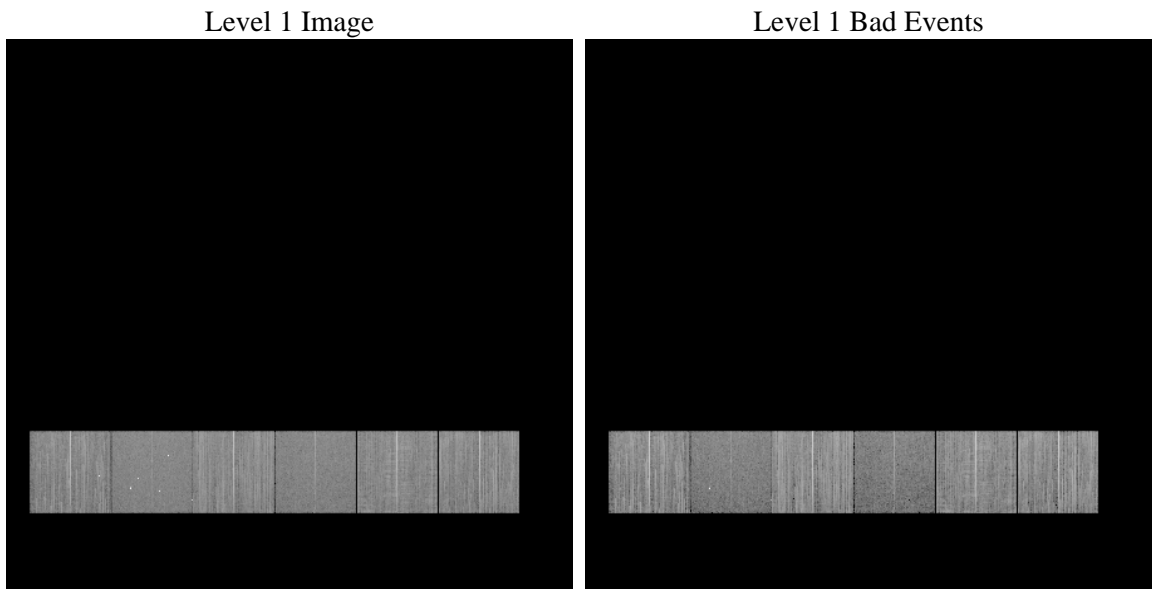
1 Front

seq_num	 	Sequence number
obs_id	54393	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	314.65606007872	Nominal RA [deg]
dec_nom	-20.482939375872	Nominal Dec [deg]
roll_nom	277.28171796837	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8136.1997853518	Sum of GTIs [s]
livetime	8033.1743246383	Livetime [s]
ontime4	8136.0766653419	Sum of GTIs [s]
ontime5	8136.1587453485	Sum of GTIs [s]
ontime6	8136.1177053452	Sum of GTIs [s]
ontime7	8136.1997853518	Sum of GTIs [s]
ontime8	8132.7946244478	Sum of GTIs [s]
ontime9	8136.2408253551	Sum of GTIs [s]
l2events	273097	Number of level 2 events

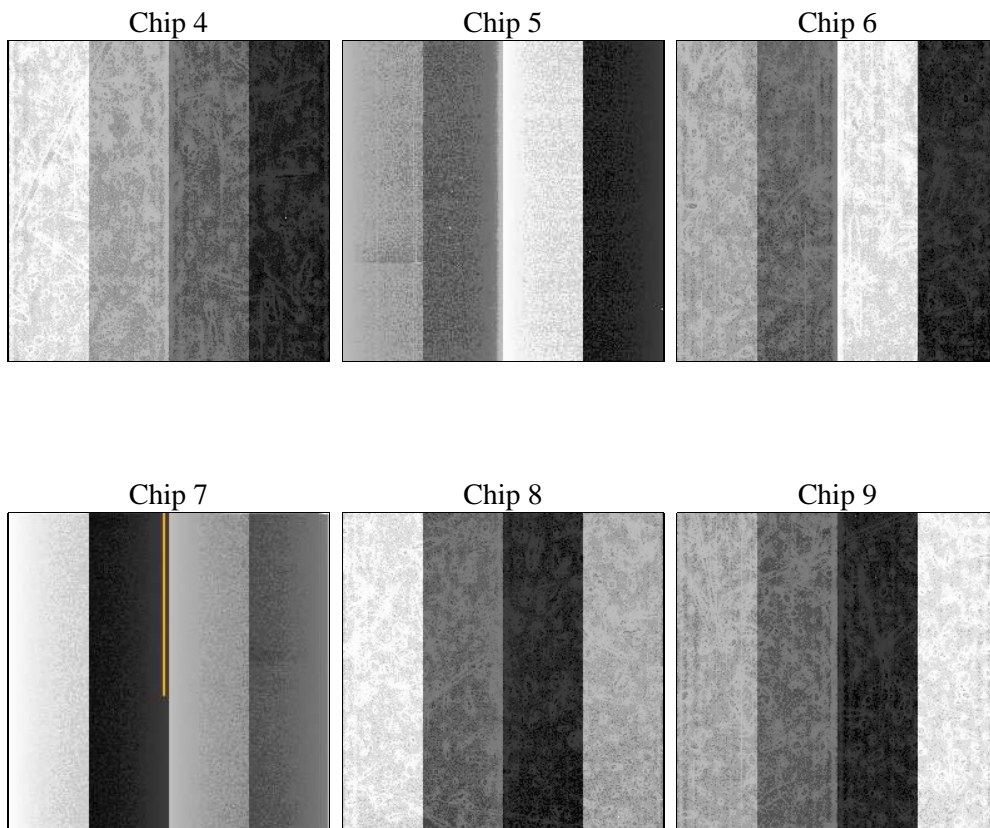
2 OBI

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	8136.1997853518	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime4	8136.0766653419	Sum of GTIs [s]
date	2012-08-22T10:17:33	Date and time of file creation	ontime5	8136.1587453485	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8136.1177053452	Sum of GTIs [s]
			ontime7	8136.1997853518	Sum of GTIs [s]
			ontime8	8132.7946244478	Sum of GTIs [s]
			ontime9	8136.2408253551	Sum of GTIs [s]
			l1events	966726	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	160382	148049	180865	132292	171529	173609	grade 0 events	23645	12379	20630	10327	23362	20492
rejected events	119504	76111	140185	68060	122222	133879		14%	8%	11%	7%	13%	11%
rejected %	74%	51%	77%	51%	71%	77%	grade 1 events	160	265	97	90	104	101
								0%	0%	0%	0%	0%	0%
							grade 2 events	7208	26130	8457	16120	10095	7868
								4%	17%	4%	12%	5%	4%
							grade 3 events	2755	2509	2529	5541	3640	2767
								1%	1%	1%	4%	2%	1%
							grade 4 events	2646	2363	2635	5256	3626	2594
								1%	1%	1%	3%	2%	1%
							grade 5 events	3239	6301	3170	7571	4175	3520
								2%	4%	1%	5%	2%	2%
							grade 6 events	5366	29593	7185	27999	9490	6715
								3%	19%	3%	21%	5%	3%
							grade 7 events	115363	68509	136162	59388	117037	129552
								71%	46%	75%	44%	68%	74%

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	314.6560600787212
[deg] Pointing Dec	0	-20.48293937587228
[deg] Pointing Roll	0.0	277.2817179683734
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)	461965672.565435	461965672.565435
Observation start date	2012-08-21T19:47:53	2012-08-21T19:47:52
[s] Observation end time (MET)	461975219.998556	461975219.998556
Observation end date	2012-08-21T22:27:00	2012-08-21T22:26:59
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	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	8.1361997853518

A.2 Comments