

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54239 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 16 2012

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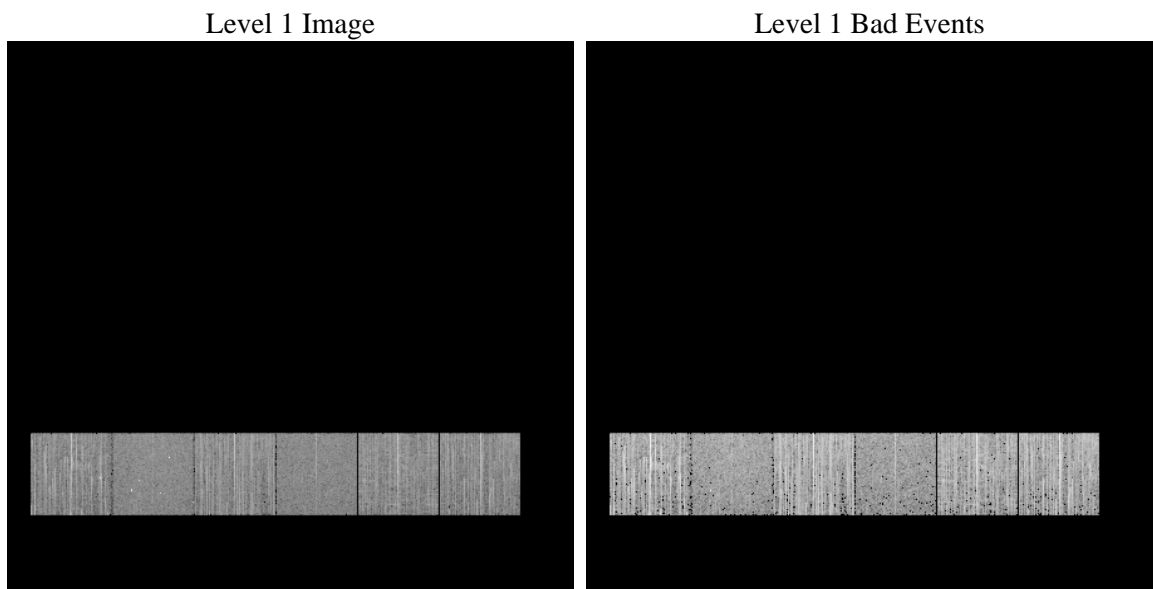
1 Front

seq_num	 	Sequence number
obs_id	54239	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	159.95747302458	Nominal RA [deg]
dec_nom	-51.18962357266	Nominal Dec [deg]
roll_nom	126.12777973401	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3176.1976955533	Sum of GTIs [s]
livetime	3135.9787678556	Livetime [s]
ontime4	3176.0745755434	Sum of GTIs [s]
ontime5	3176.15665555	Sum of GTIs [s]
ontime6	3176.1156155467	Sum of GTIs [s]
ontime7	3176.1976955533	Sum of GTIs [s]
ontime8	3176.0335355401	Sum of GTIs [s]
ontime9	3176.2387355566	Sum of GTIs [s]
l2events	124820	Number of level 2 events

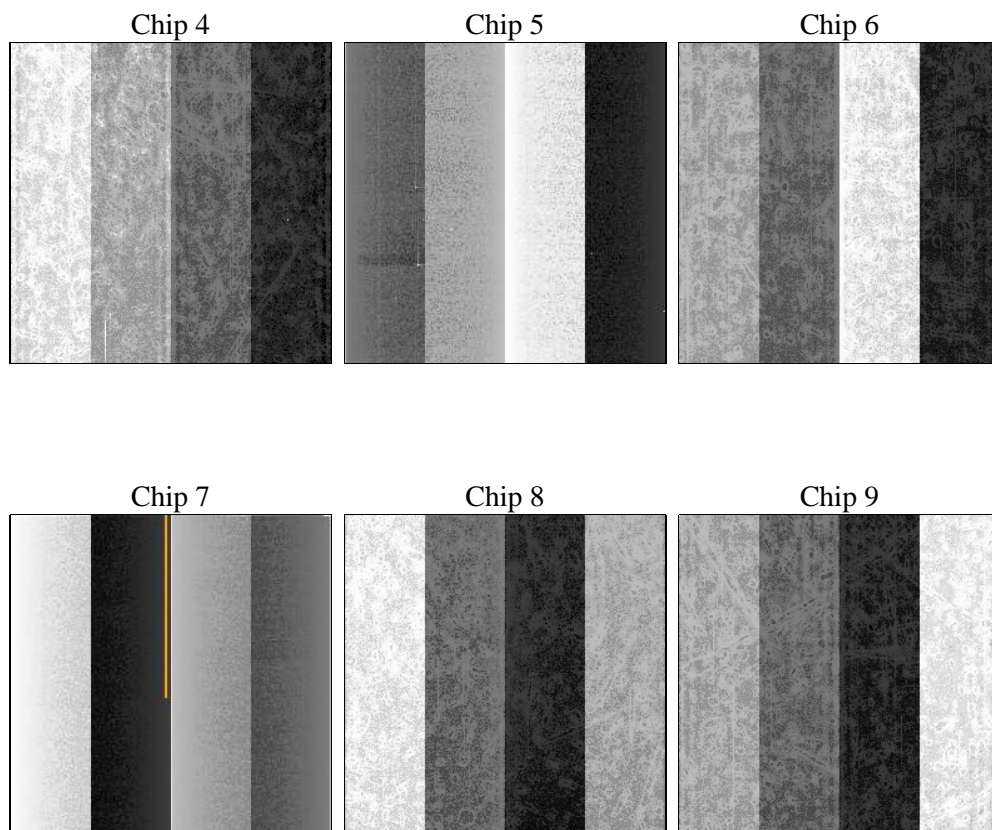
2 OBI

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	3176.1976955533	Sum of GTIs [s]
caldbver	4.5.2	 	ontime4	3176.0745755434	Sum of GTIs [s]
date	2012-10-16T20:18:40	Date and time of file creation	ontime5	3176.15665555	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3176.1156155467	Sum of GTIs [s]
			ontime7	3176.1976955533	Sum of GTIs [s]
			ontime8	3176.0335355401	Sum of GTIs [s]
			ontime9	3176.2387355566	Sum of GTIs [s]
			l1events	402717	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	71306	61453	74291	55498	71302	68867	grade 0 events	10653	5193	9747	4999	10938	9491
rejected events	52362	30996	55037	27382	47769	50301		14%	8%	13%	9%	15%	13%
rejected %	73%	50%	74%	49%	66%	73%	grade 1 events	99	245	42	35	63	40
								0%	0%	0%	0%	0%	0%
							grade 2 events	3587	11498	3988	7283	4776	3830
								5%	18%	5%	13%	6%	5%
							grade 3 events	1225	1130	1204	2385	1806	1239
								1%	1%	1%	4%	2%	1%
							grade 4 events	1321	1241	1263	2339	1726	1228
								1%	2%	1%	4%	2%	1%
							grade 5 events	1313	2594	1272	3121	1736	1455
								1%	4%	1%	5%	2%	2%
							grade 6 events	2925	12515	3862	12230	5092	3517
								4%	20%	5%	22%	7%	5%
							grade 7 events	50183	27037	52913	23106	45165	48067
								70%	43%	71%	41%	63%	69%

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	159.957473024584
[deg] Pointing Dec	0	-51.18962357265974
[deg] Pointing Roll	0.0	126.1277797340117
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)	466768564.522869	466768564.522869
Observation start date	2012-10-16T09:56:05	2012-10-16T09:56:04
[s] Observation end time (MET)	466773111.439804	466773111.439804
Observation end date	2012-10-16T11:11:51	2012-10-16T11:11:51
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)	2012.10.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1761976955533

A.2 Comments