

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54472 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Aug 17 2012

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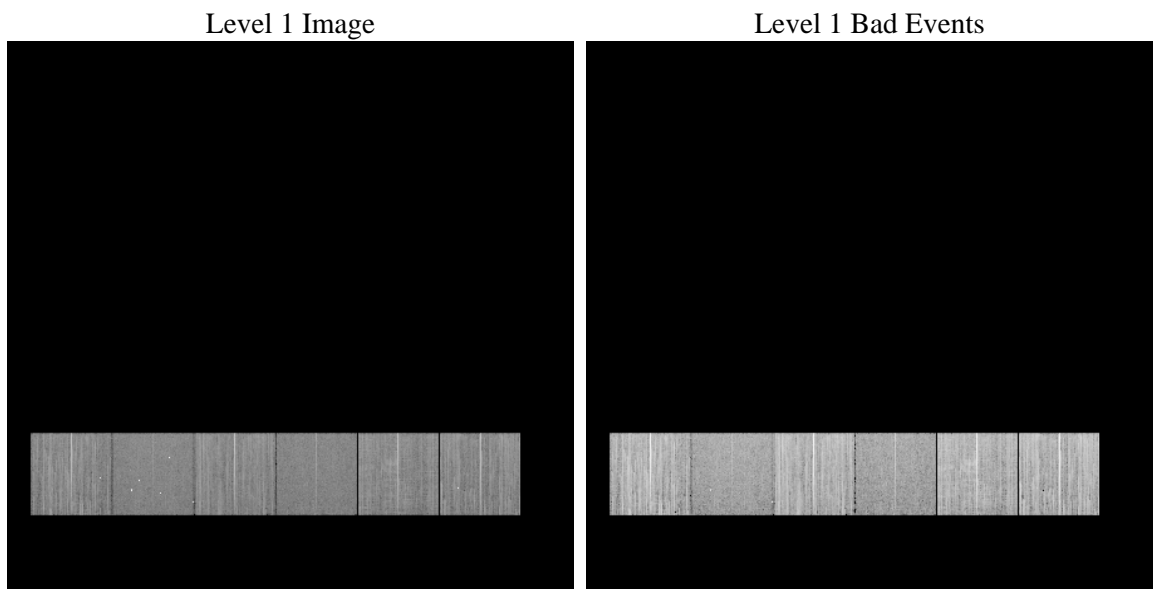
1 Front

seq_num	 	Sequence number
obs_id	54472	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	319.135803389	Nominal RA [deg]
dec_nom	2.6055004588131	Nominal Dec [deg]
roll_nom	180.64387821602	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8197.7705705166	Sum of GTIs [s]
livetime	8093.9654634479	Livetime [s]
ontime4	8197.6474505067	Sum of GTIs [s]
ontime5	8197.7295305133	Sum of GTIs [s]
ontime6	8197.68849051	Sum of GTIs [s]
ontime7	8197.7705705166	Sum of GTIs [s]
ontime8	8197.6064105034	Sum of GTIs [s]
ontime9	8197.8116105199	Sum of GTIs [s]
l2events	279687	Number of level 2 events

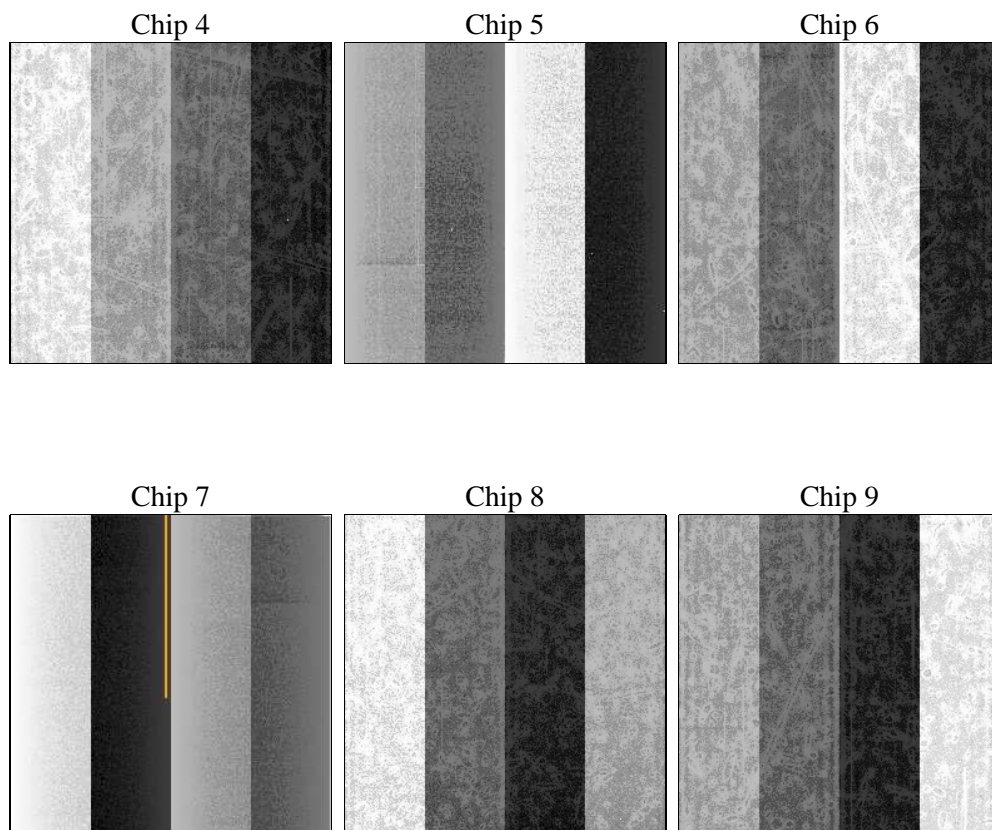
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8197.7705705166	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	8197.6474505067	Sum of GTIs [s]
date	2012-08-17T21:11:17	Date and time of file creation	ontime5	8197.7295305133	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8197.68849051	Sum of GTIs [s]
			ontime7	8197.7705705166	Sum of GTIs [s]
			ontime8	8197.6064105034	Sum of GTIs [s]
			ontime9	8197.8116105199	Sum of GTIs [s]
			l1events	968705	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	167633	149620	169155	133383	172678	176236	grade 0 events	23726	15014	20804	10525	23824	23605
rejected events	125912	73086	127768	67795	122331	133041		14%	10%	12%	7%	13%	13%
rejected %	75%	48%	75%	50%	70%	75%	grade 1 events	173	331	85	105	121	131
								0%	0%	0%	0%	0%	0%
							grade 2 events	7524	27596	8596	16418	10065	7869
								4%	18%	5%	12%	5%	4%
							grade 3 events	2790	2734	2635	5487	3774	2705
								1%	1%	1%	4%	2%	1%
							grade 4 events	2804	2525	2605	5582	3619	2738
								1%	1%	1%	4%	2%	1%
							grade 5 events	3116	6265	3127	7542	3977	3380
								1%	4%	1%	5%	2%	1%
							grade 6 events	5422	29577	7273	28361	9676	6802
								3%	19%	4%	21%	5%	3%
							grade 7 events	122078	65578	124030	59363	117622	129006
								72%	43%	73%	44%	68%	73%

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	319.1358033890019
[deg] Pointing Dec	0	2.605500458813132
[deg] Pointing Roll	0.0	180.6438782160159
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)	459222200.468863	459222200.468863
Observation start date	2012-07-21T01:43:20	2012-07-21T01:43:20
[s] Observation end time (MET)	459231689.95936	459231689.95936
Observation end date	2012-07-21T04:21:30	2012-07-21T04:21:29
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	8.1977705705166

A.2 Comments