

V&V Reference Report

L2 ASCDS Version : 10.2.2

Observation 52773 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 16 2014

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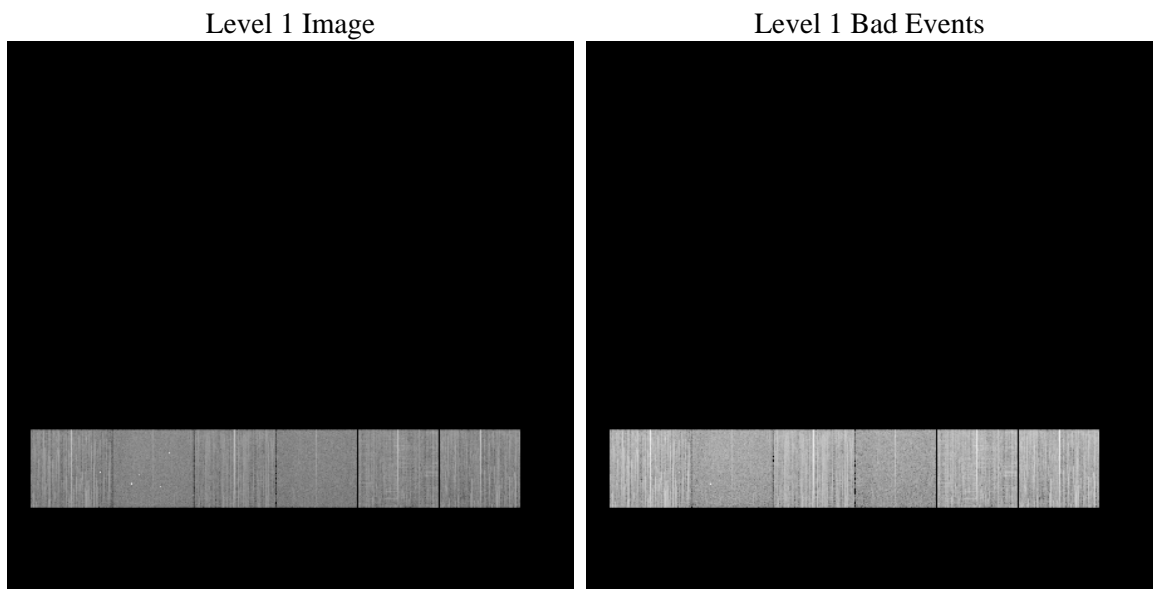
1 Front

seq_num	 	Sequence number
obs_id	52773	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	220.13866983916	Nominal RA [deg]
dec_nom	-42.097552124929	Nominal Dec [deg]
roll_nom	332.07903995434	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8006.0893257856	Sum of GTIs [s]
livetime	7904.7114020543	Livetime [s]
ontime4	8005.9662057757	Sum of GTIs [s]
ontime5	8006.0482857823	Sum of GTIs [s]
ontime6	8006.007245779	Sum of GTIs [s]
ontime7	8006.0893257856	Sum of GTIs [s]
ontime8	8005.9251657724	Sum of GTIs [s]
ontime9	8006.1303657889	Sum of GTIs [s]
l2events	201572	Number of level 2 events

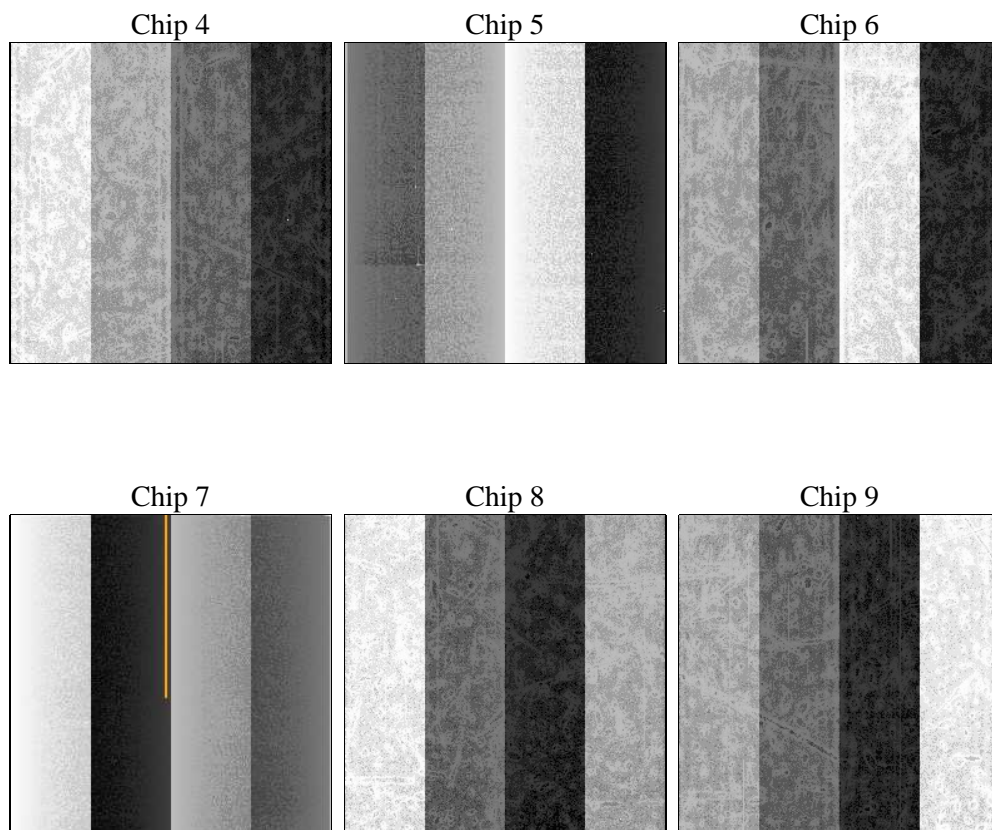
2 OBI

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	10.2.2	Processing system revision	ontime	8006.0893257856	Sum of GTIs [s]
caldsver	4.6.1	 	ontime4	8005.9662057757	Sum of GTIs [s]
date	2014-05-16T06:24:13	Date and time of file creation	ontime5	8006.0482857823	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8006.007245779	Sum of GTIs [s]
			ontime7	8006.0893257856	Sum of GTIs [s]
			ontime8	8005.9251657724	Sum of GTIs [s]
			ontime9	8006.1303657889	Sum of GTIs [s]
			l1events	873464	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	159531	132670	151818	119117	156144	154184	grade 0 events	16491	7027	13614	7474	16398	13523
rejected events	131461	75237	124821	67354	120244	127646		10%	5%	8%	6%	10%	8%
rejected %	82%	56%	82%	56%	77%	82%	grade 1 events	121	136	56	88	80	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	5165	21580	5863	13069	7576	5474
								3%	16%	3%	10%	4%	3%
							grade 3 events	1902	2196	1872	4383	3017	1939
								1%	1%	1%	3%	1%	1%
							grade 4 events	1936	2061	1874	4269	2988	1858
								1%	1%	1%	3%	1%	1%
							grade 5 events	3248	6243	3210	7780	4118	3452
								2%	4%	2%	6%	2%	2%
							grade 6 events	3578	26618	4764	24377	7190	4701
								2%	20%	3%	20%	4%	3%
							grade 7 events	127090	66809	120565	57677	114777	123156
								79%	50%	79%	48%	73%	79%

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	220.1386698391642
[deg] Pointing Dec	0	-42.0975521249286
[deg] Pointing Roll	0.0	332.0790399543414
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)	516577232.736057	516577232.736057
Observation start date	2014-05-15T21:40:33	2014-05-15T21:40:32
[s] Observation end time (MET)	516586779.429084	516586779.429084
Observation end date	2014-05-16T00:19:39	2014-05-16T00:19:39
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)	2014.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0060893257856

A.2 Comments