

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52409 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 8 2014

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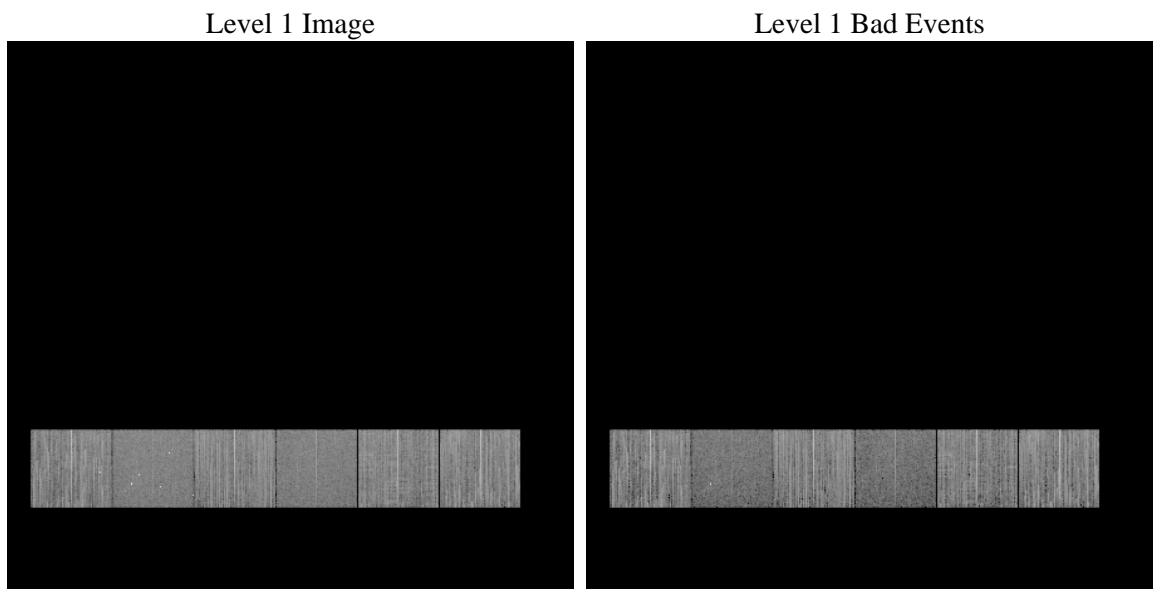
1 Front

seq_num	 	Sequence number
obs_id	52409	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	30.084149923105	Nominal RA [deg]
dec_nom	-12.191948711113	Nominal Dec [deg]
roll_nom	43.077212514819	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6040.0871387124	Sum of GTIs [s]
livetime	5963.6039184582	Livetime [s]
ontime4	6039.9640187025	Sum of GTIs [s]
ontime5	6040.0460987091	Sum of GTIs [s]
ontime6	6040.0050587058	Sum of GTIs [s]
ontime7	6040.0871387124	Sum of GTIs [s]
ontime8	6039.9229786992	Sum of GTIs [s]
ontime9	6040.1281787157	Sum of GTIs [s]
l2events	142054	Number of level 2 events

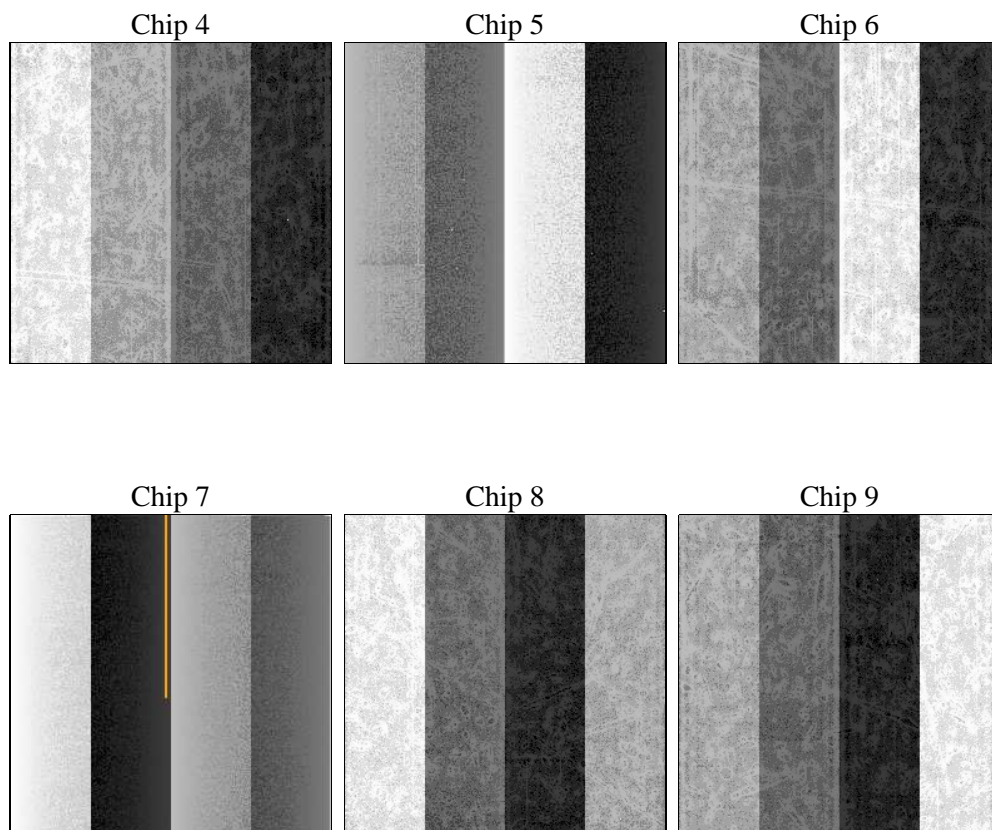
2 OBI

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	10.2.4	Processing system revision	ontime	6040.0871387124	Sum of GTIs [s]
caldbver	4.6.3	 	ontime4	6039.9640187025	Sum of GTIs [s]
date	2014-10-09T02:53:58	Date and time of file creation	ontime5	6040.0460987091	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	6040.0050587058	Sum of GTIs [s]
			ontime7	6040.0871387124	Sum of GTIs [s]
			ontime8	6039.9229786992	Sum of GTIs [s]
			ontime9	6040.1281787157	Sum of GTIs [s]
			l1events	634948	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	109184	97910	116319	84570	109853	117112	grade 0 events	10565	8183	8802	4660	11020	9001
rejected events	90075	53552	97697	47692	84211	98709		9%	8%	7%	5%	10%	7%
rejected %	82%	54%	83%	56%	76%	84%	grade 1 events	74	116	39	56	60	55
								0%	0%	0%	0%	0%	0%
							grade 2 events	3500	14498	4015	9128	5312	3658
								3%	14%	3%	10%	4%	3%
							grade 3 events	1320	1352	1237	2925	2020	1337
								1%	1%	1%	3%	1%	1%
							grade 4 events	1274	1277	1233	2938	2007	1276
								1%	1%	1%	3%	1%	1%
							grade 5 events	2282	4443	2361	5317	2974	2508
								2%	4%	2%	6%	2%	2%
							grade 6 events	2450	19048	3335	17227	5283	3131
								2%	19%	2%	20%	4%	2%
							grade 7 events	87719	48993	95297	42319	81177	96146
								80%	50%	81%	50%	73%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	30.08414992310525	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-12.1919487111125	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	43.07721251481935	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	529145986.382454	529145985.35745			
Observation start date	2014-10-08T08:59:46	2014-10-08T08:59:45			
[s] Observation end time (MET)	529155875.583003	529155874.558			
Observation end date	2014-10-08T11:44:36	2014-10-08T11:44:34			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.0400871387124

A.2 Comments