

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 51948 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 17 2015

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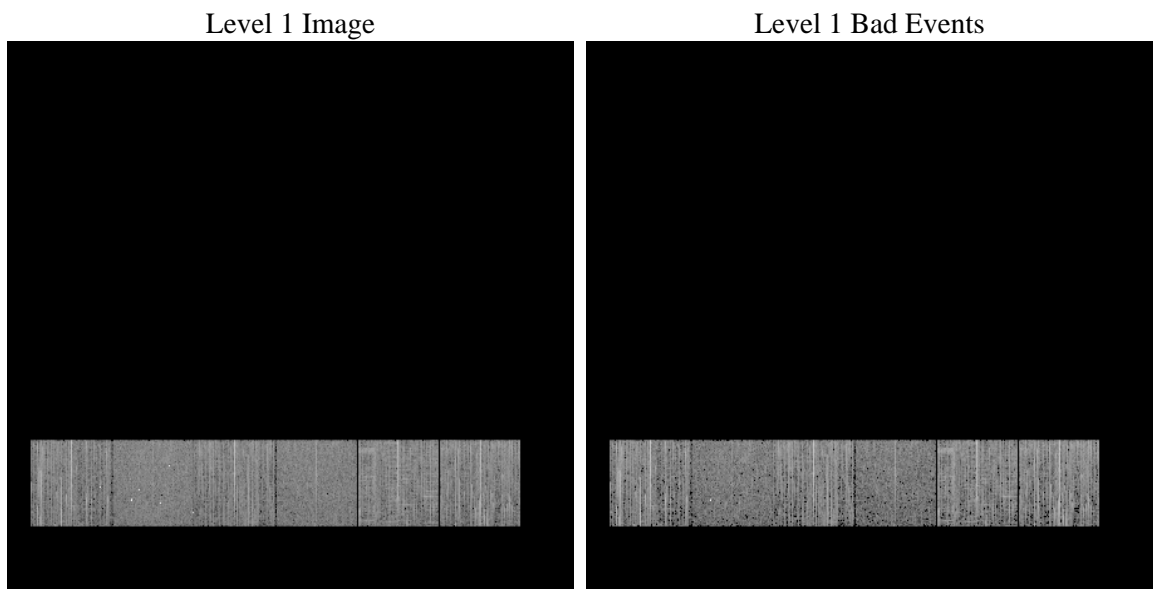
1 Front

seq_num	 	Sequence number
obs_id	51948	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	197.8768964577	Nominal RA [deg]
dec_nom	20.168559311618	Nominal Dec [deg]
roll_nom	193.20134617426	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3455.8933169842	Sum of GTIs [s]
livetime	3412.1327149154	Livetime [s]
ontime4	3455.7701969147	Sum of GTIs [s]
ontime5	3455.8522769213	Sum of GTIs [s]
ontime6	3455.8112369776	Sum of GTIs [s]
ontime7	3455.8933169842	Sum of GTIs [s]
ontime8	3455.729156971	Sum of GTIs [s]
ontime9	3455.9343569279	Sum of GTIs [s]
l2events	81053	Number of level 2 events

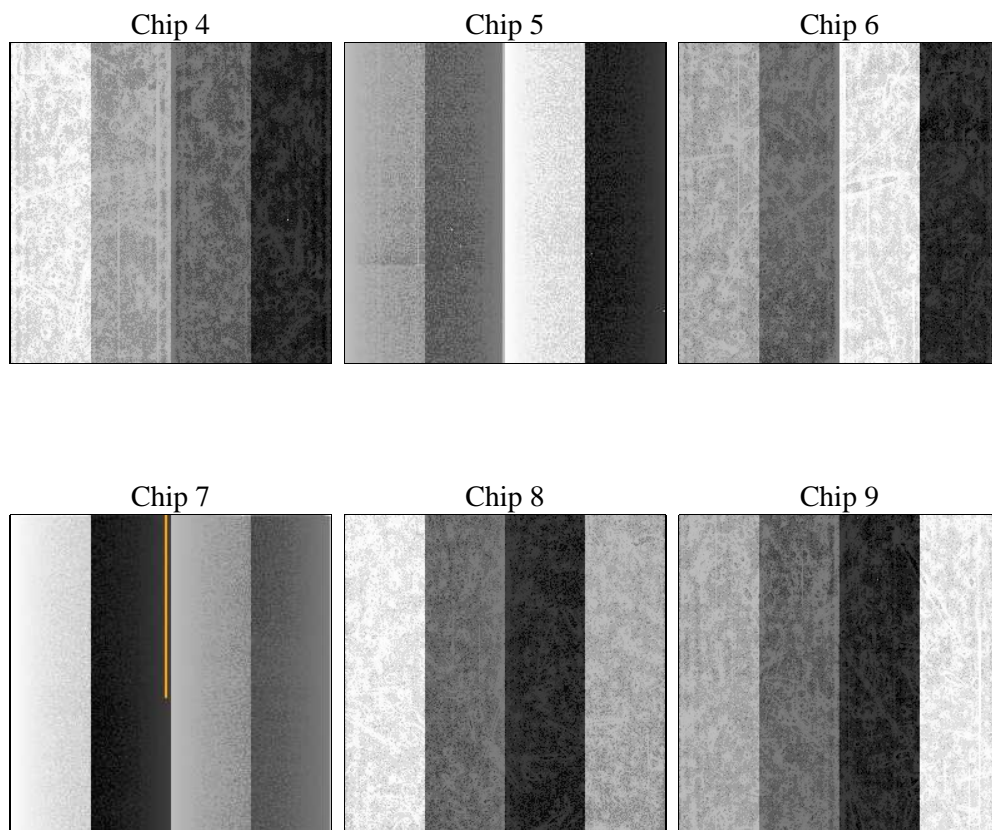
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	3455.8933169842	Sum of GTIs [s]
caldbver	4.6.7	 	ontime4	3455.7701969147	Sum of GTIs [s]
date	2015-04-17T16:02:54	Date and time of file creation	ontime5	3455.8522769213	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3455.8112369776	Sum of GTIs [s]
			ontime7	3455.8933169842	Sum of GTIs [s]
			ontime8	3455.729156971	Sum of GTIs [s]
			ontime9	3455.9343569279	Sum of GTIs [s]
			l1events	336717	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	58723	54014	55533	47387	60420	60640	grade 0 events	6431	4221	5066	2739	6391	5303
rejected events	47114	29980	44579	27205	45417	49603		10%	7%	9%	5%	10%	8%
rejected %	80%	55%	80%	57%	75%	81%	grade 1 events	48	63	32	34	29	29
								0%	0%	0%	0%	0%	0%
							grade 2 events	2185	8437	2509	5091	3263	2210
								3%	15%	4%	10%	5%	3%
							grade 3 events	770	685	725	1538	1136	766
								1%	1%	1%	3%	1%	1%
							grade 4 events	749	630	690	1453	1190	742
								1%	1%	1%	3%	1%	1%
							grade 5 events	1238	2273	1161	2892	1616	1333
								2%	4%	2%	6%	2%	2%
							grade 6 events	1641	10392	2105	9624	3253	2135
								2%	19%	3%	20%	5%	3%
							grade 7 events	45661	27313	43245	24016	43542	48122
								77%	50%	77%	50%	72%	79%

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	197.876896457699	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	20.16855931161805	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	193.2013461742621	[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)	545633731.402441	545633730.37744			
Observation start date	2015-04-17T04:55:31	2015-04-17T04:55:30			
[s] Observation end time (MET)	545639932.652788	545639931.62779			
Observation end date	2015-04-17T06:38:53	2015-04-17T06:38:51			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.4558933169842

A.2 Comments