

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 51966 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 6 2015

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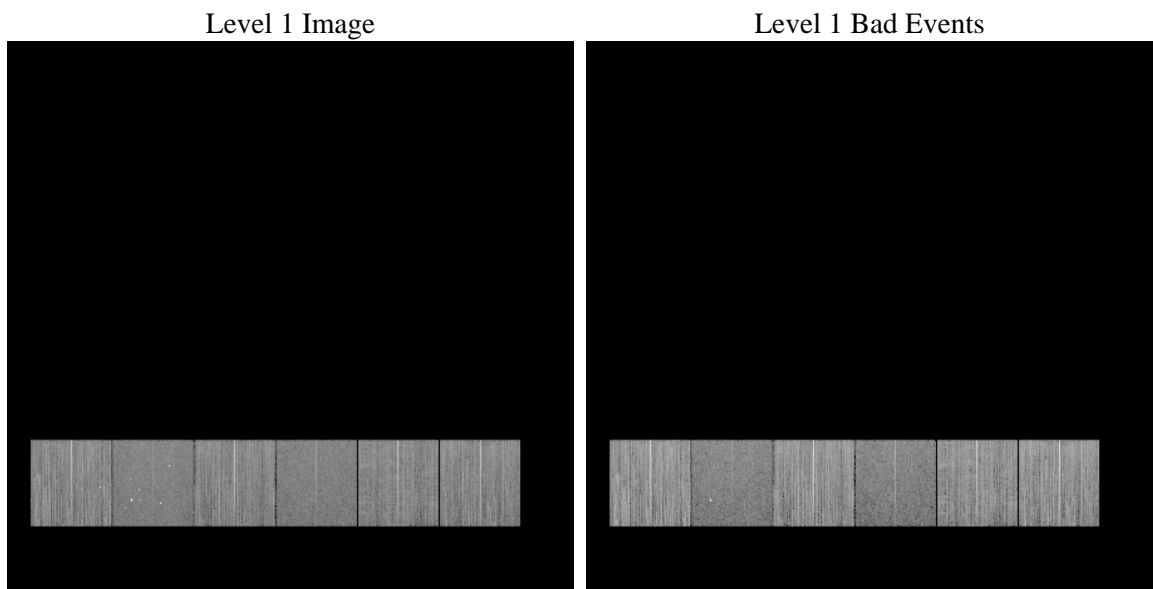
1 Front

seq_num	 	Sequence number
obs_id	51966	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	172.31544857402	Nominal RA [deg]
dec_nom	-18.320001880358	Nominal Dec [deg]
roll_nom	296.38753783635	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8225.8762686253	Sum of GTIs [s]
livetime	8121.7152702839	Livetime [s]
ontime4	8225.7531485558	Sum of GTIs [s]
ontime5	8225.8352285624	Sum of GTIs [s]
ontime6	8225.7941886187	Sum of GTIs [s]
ontime7	8225.8762686253	Sum of GTIs [s]
ontime8	8225.7121086121	Sum of GTIs [s]
ontime9	8225.917308569	Sum of GTIs [s]
l2events	176185	Number of level 2 events

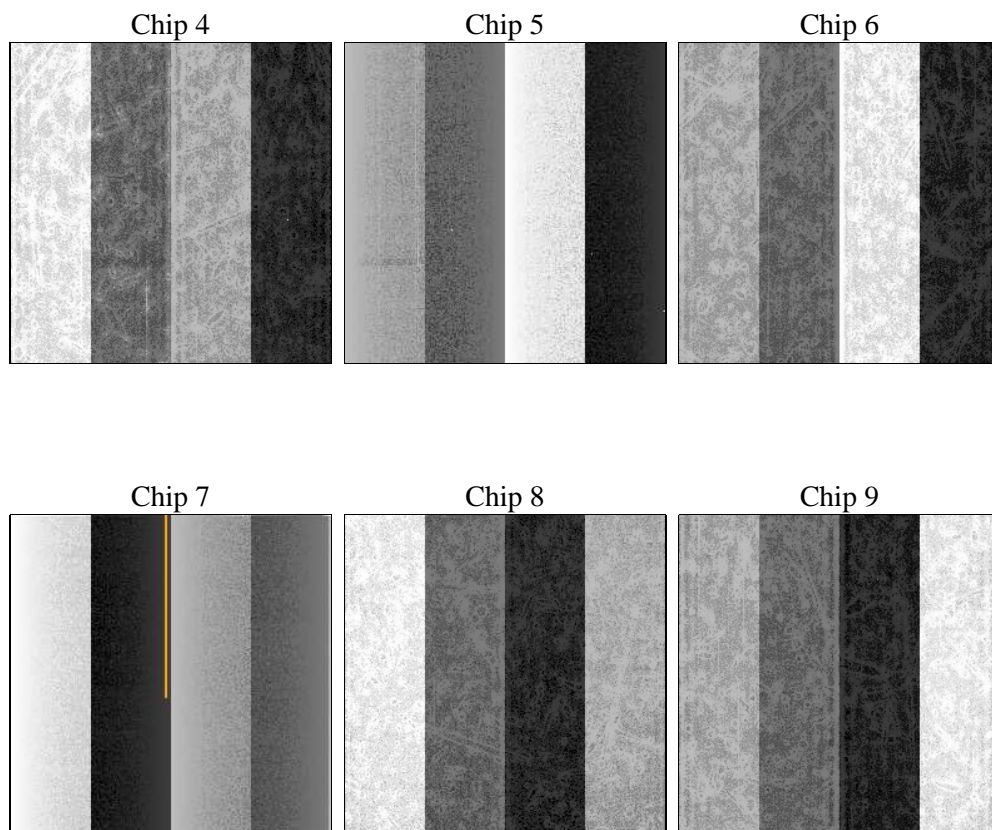
2 OBI

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	8225.8762686253	Sum of GTIs [s]
caldsver	4.6.7	 	ontime4	8225.7531485558	Sum of GTIs [s]
date	2015-04-06T16:56:13	Date and time of file creation	ontime5	8225.8352285624	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8225.7941886187	Sum of GTIs [s]
			ontime7	8225.8762686253	Sum of GTIs [s]
			ontime8	8225.7121086121	Sum of GTIs [s]
			ontime9	8225.917308569	Sum of GTIs [s]
			l1events	842692	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	159952	127195	146999	111262	146881	150403	grade 0 events	14183	10317	9814	5514	13439	10616
rejected events	134674	69844	124225	65669	115265	127761		8%	8%	6%	4%	9%	7%
rejected %	84%	54%	84%	59%	78%	84%	grade 1 events	97	169	52	69	59	59
								0%	0%	0%	0%	0%	0%
							grade 2 events	4687	19557	5695	11365	6996	4724
								2%	15%	3%	10%	4%	3%
							grade 3 events	1633	1431	1386	3206	2418	1596
								1%	1%	0%	2%	1%	1%
							grade 4 events	1593	1359	1425	3208	2411	1527
								0%	1%	0%	2%	1%	1%
							grade 5 events	2991	5468	2703	6286	3675	3122
								1%	4%	1%	5%	2%	2%
							grade 6 events	3284	24919	4542	22465	6516	4251
								2%	19%	3%	20%	4%	2%
							grade 7 events	131484	63975	121382	59149	111367	124508
								82%	50%	82%	53%	75%	82%

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	172.315448574024
[deg] Pointing Dec	0	-18.32000188035834
[deg] Pointing Roll	0.0	296.3875378363467
[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)	544678999.199041	544678998.17404
Observation start date	2015-04-06T03:43:19	2015-04-06T03:43:18
[s] Observation end time (MET)	544689386.549623	544689385.5246201
Observation end date	2015-04-06T06:36:27	2015-04-06T06:36:25
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.04.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2258762686253

A.2 Comments