

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51172 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 18 2016

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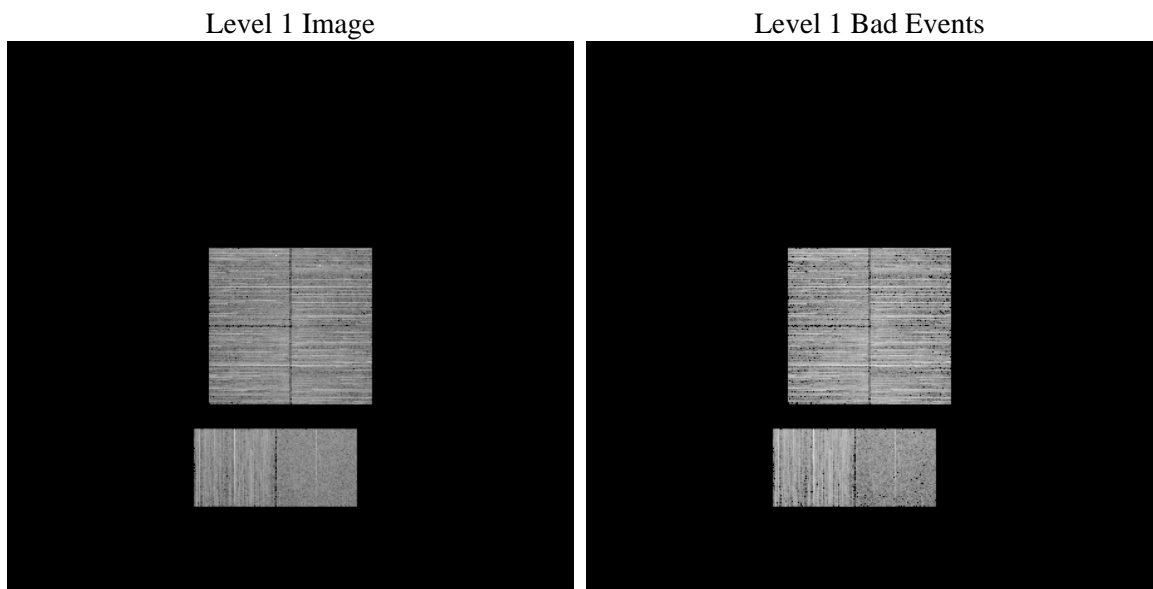
1 Front

seq_num	 	Sequence number
obs_id	51172	Observation id
title	ACIS-012367 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	187.19575432659	Nominal RA [deg]
dec_nom	27.146506089677	Nominal Dec [deg]
roll_nom	159.85262683913	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3259.5436617136	Sum of GTIs [s]
livetime	3218.2693572074	Livetime [s]
ontime0	3152.5464860201	Sum of GTIs [s]
ontime1	3158.9893417358	Sum of GTIs [s]
ontime2	3145.9823665619	Sum of GTIs [s]
ontime3	3152.6285762787	Sum of GTIs [s]
ontime6	3149.1841417551	Sum of GTIs [s]
ontime7	3259.5436617136	Sum of GTIs [s]
l2events	81448	Number of level 2 events

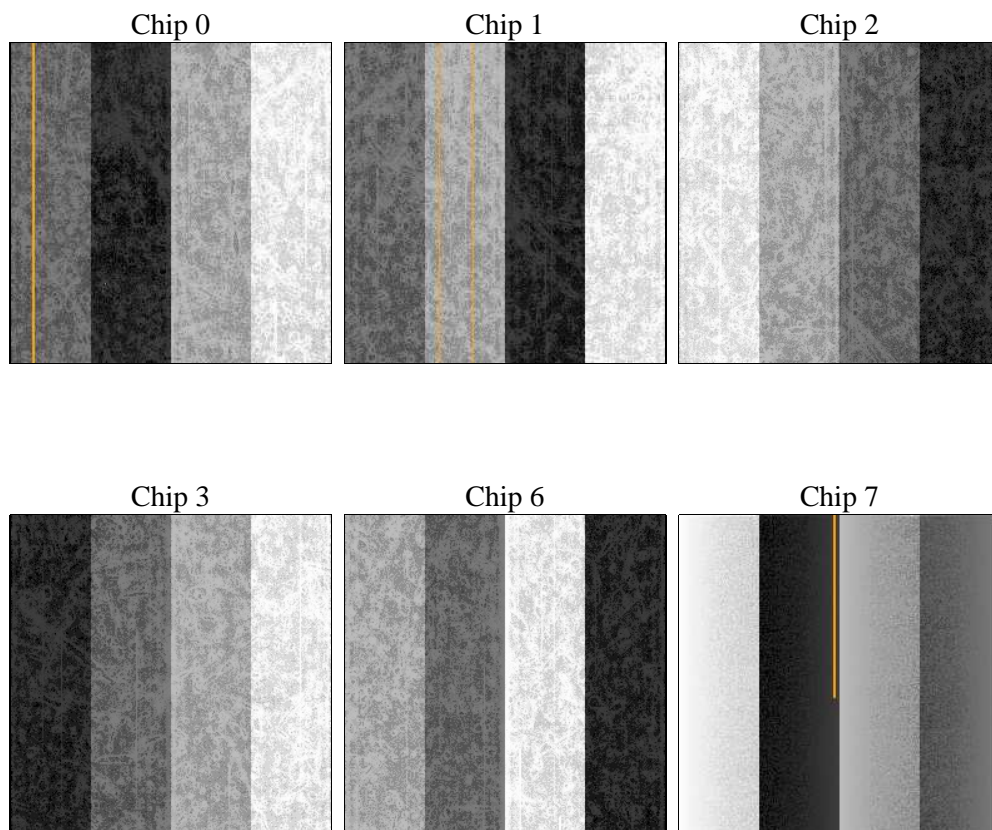
2 OBI

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	10.4.3.1	Processing system revision	ontime	3259.5436617136	Sum of GTIs [s]
caldbver	4.7.0	 	ontime0	3152.5464860201	Sum of GTIs [s]
date	2016-03-18T14:41:36	Date and time of file creation	ontime1	3158.9893417358	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3145.9823665619	Sum of GTIs [s]
			ontime3	3152.6285762787	Sum of GTIs [s]
			ontime6	3149.1841417551	Sum of GTIs [s]
			ontime7	3259.5436617136	Sum of GTIs [s]
			l1events	419661	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	68454	70211	74687	76162	74098	56049	grade 0 events	5739	5875	5945	6105	5320	3013
rejected events	55224	56824	62282	63461	60999	32311		8%	8%	7%	8%	7%	5%
rejected %	80%	80%	83%	83%	82%	57%	grade 1 events	33	36	35	33	22	52
								0%	0%	0%	0%	0%	0%
							grade 2 events	3532	3429	2580	2650	3400	6186
								5%	4%	3%	3%	4%	11%
							grade 3 events	815	731	820	758	764	1616
								1%	1%	1%	0%	1%	2%
							grade 4 events	736	764	786	841	757	1554
								1%	1%	1%	1%	1%	2%
							grade 5 events	1224	1191	1197	1392	1291	3194
								1%	1%	1%	1%	1%	5%
							grade 6 events	2408	2588	2274	2347	2858	11369
								3%	3%	3%	3%	3%	20%
							grade 7 events	53967	55597	61050	62036	59686	29065
								78%	79%	81%	81%	80%	51%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	187.1957543265885	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	27.14650608967729	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	159.8526268391325	[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)	574658000.716997	574657999.692			
Observation start date	2016-03-18T03:13:21	2016-03-18T03:13:19			
[s] Observation end time (MET)	574662156.067234	574662155.04223			
Observation end date	2016-03-18T04:22:36	2016-03-18T04:22:35			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.03.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2595436617136

A.2 Comments