

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51419 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 15 2015

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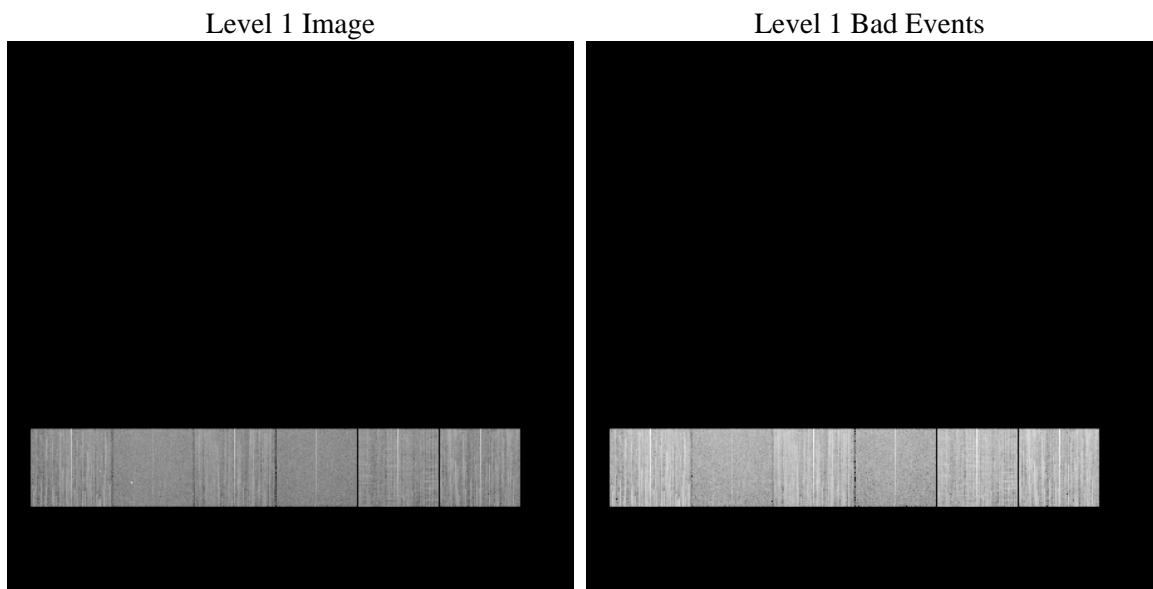
1 Front

seq_num	 	Sequence number
obs_id	51419	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	72.027975083896	Nominal RA [deg]
dec_nom	-0.99188715175279	Nominal Dec [deg]
roll_nom	342.64109310258	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8252.8001229763	Sum of GTIs [s]
livetime	8148.2981985795	Livetime [s]
ontime4	8249.5591226816	Sum of GTIs [s]
ontime5	8252.8001229763	Sum of GTIs [s]
ontime6	8252.8001229763	Sum of GTIs [s]
ontime7	8252.8001229763	Sum of GTIs [s]
ontime8	8252.8001229763	Sum of GTIs [s]
ontime9	8252.8001229763	Sum of GTIs [s]
l2events	176872	Number of level 2 events

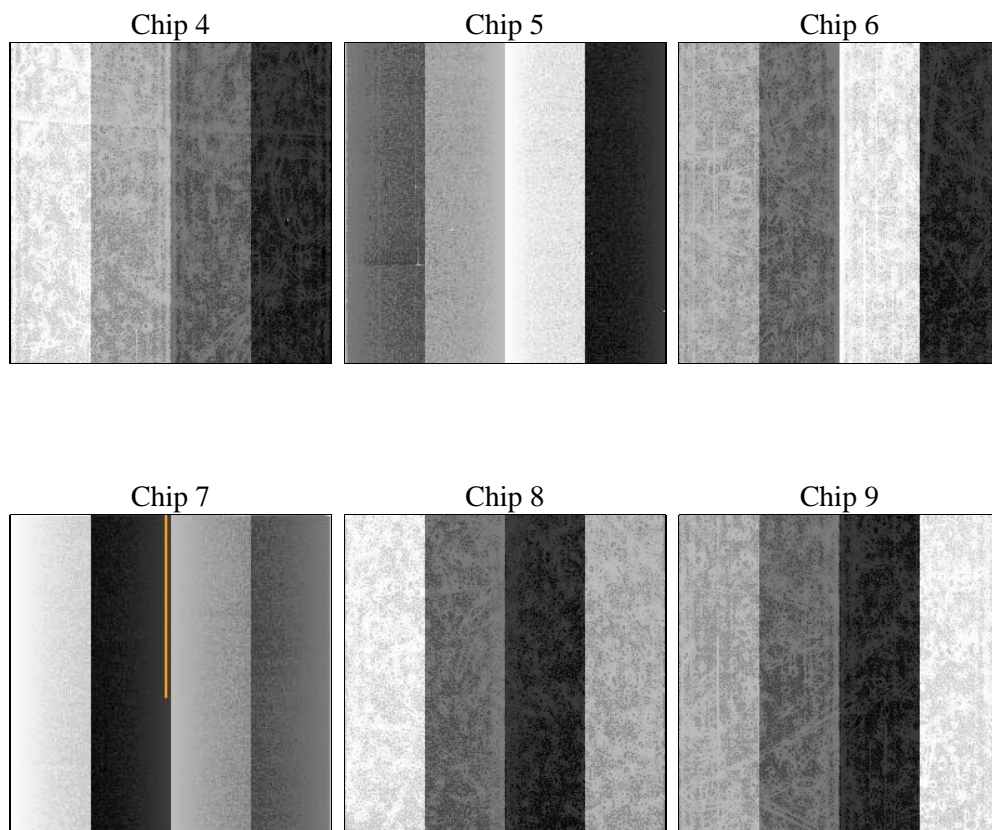
2 OBI

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	10.4.3	Processing system revision	ontime	8252.8001229763	Sum of GTIs [s]
caldbver	4.7.0	 	ontime4	8249.5591226816	Sum of GTIs [s]
date	2015-12-15T21:11:16	Date and time of file creation	ontime5	8252.8001229763	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8252.8001229763	Sum of GTIs [s]
			ontime7	8252.8001229763	Sum of GTIs [s]
			ontime8	8252.8001229763	Sum of GTIs [s]
			ontime9	8252.8001229763	Sum of GTIs [s]
			l1events	874074	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	154951	130911	156013	118119	155826	158254	grade 0 events	11156	5066	9755	5772	12486	9905
rejected events	133407	75798	134677	69626	124892	137110		7%	3%	6%	4%	8%	6%
rejected %	86%	57%	86%	58%	80%	86%	grade 1 events	93	146	49	97	86	69
								0%	0%	0%	0%	0%	0%
							grade 2 events	4305	19884	4739	12018	6868	4496
								2%	15%	3%	10%	4%	2%
							grade 3 events	1518	1756	1435	3773	2517	1518
								0%	1%	0%	3%	1%	0%
							grade 4 events	1514	1710	1464	3669	2417	1518
								0%	1%	0%	3%	1%	0%
							grade 5 events	3313	6140	3323	7972	4273	3658
								2%	4%	2%	6%	2%	2%
							grade 6 events	3051	26697	3943	23261	6646	3713
								1%	20%	2%	19%	4%	2%
							grade 7 events	130001	69512	131305	61557	120533	133377
								83%	53%	84%	52%	77%	84%

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	72.02797508389614	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-0.9918871517527924	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	342.6410931025766	[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)	566385762.411134	566385761.38613			
Observation start date	2015-12-13T09:22:42	2015-12-13T09:22:41			
[s] Observation end time (MET)	566397344.91179	566397343.88679			
Observation end date	2015-12-13T12:35:45	2015-12-13T12:35:43			
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)	2015.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2528001229763

A.2 Comments