

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52397 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 11 2014

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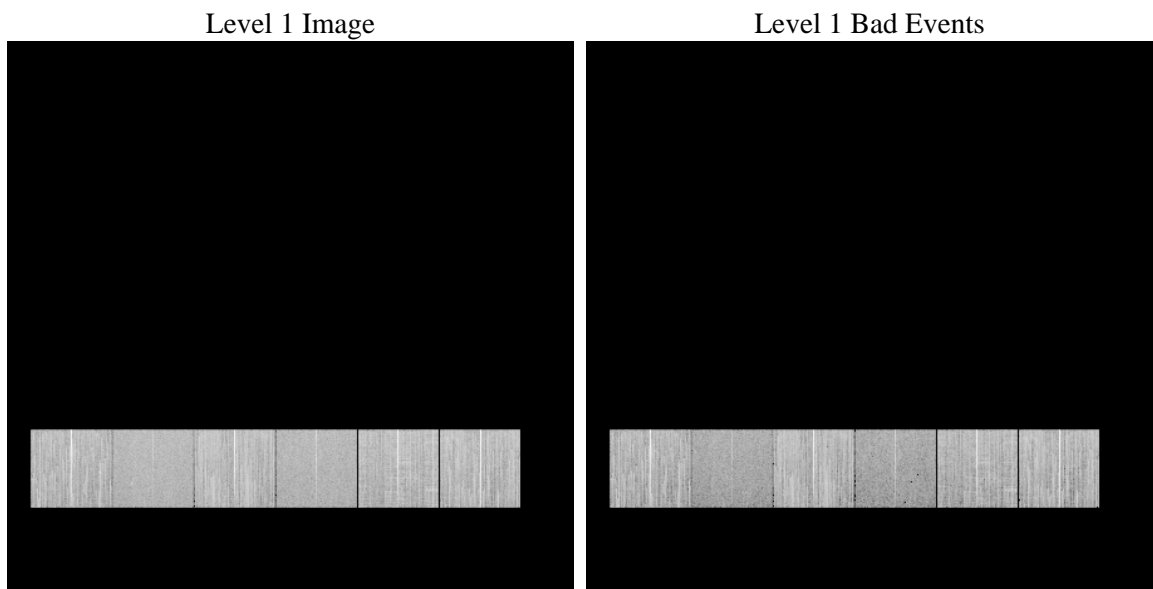
1 Front

seq_num	 	Sequence number
obs_id	52397	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	12.517115918173	Nominal RA [deg]
dec_nom	31.89291939305	Nominal Dec [deg]
roll_nom	189.16130813078	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8456.2574599385	Sum of GTIs [s]
livetime	8349.1792362338	Livetime [s]
ontime4	8456.1343399286	Sum of GTIs [s]
ontime5	8456.2164199352	Sum of GTIs [s]
ontime6	8456.1753799319	Sum of GTIs [s]
ontime7	8456.2574599385	Sum of GTIs [s]
ontime8	8456.0932999253	Sum of GTIs [s]
ontime9	8456.2984999418	Sum of GTIs [s]
l2events	199230	Number of level 2 events

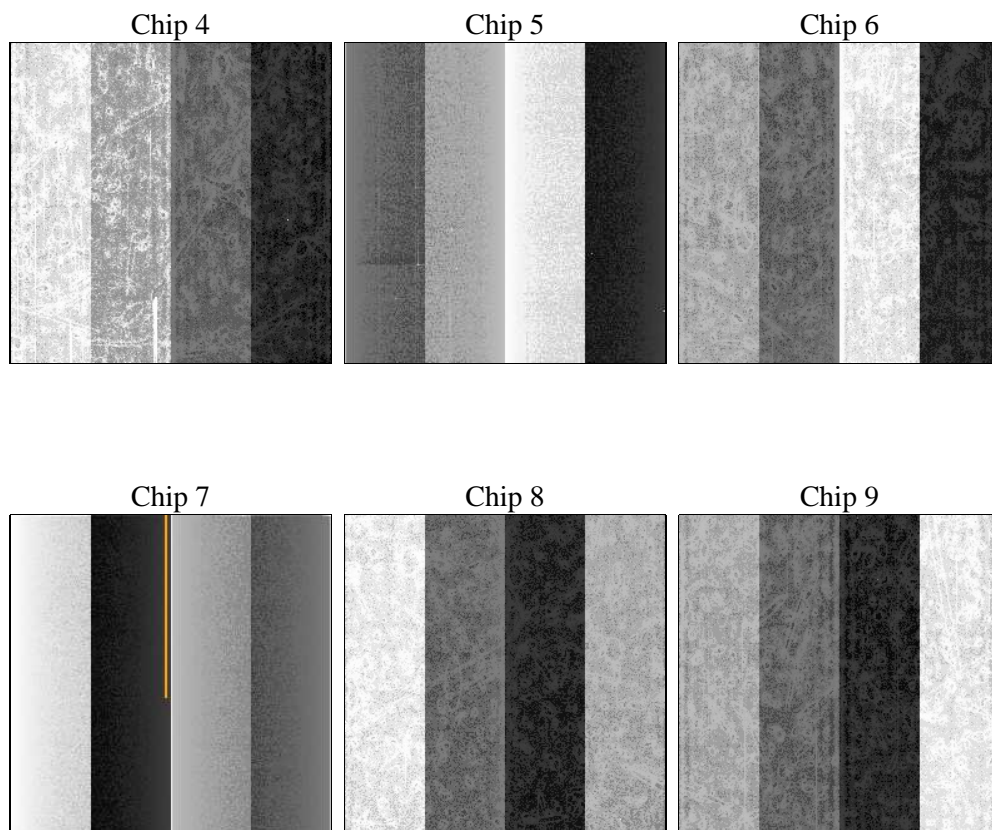
2 OBI

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	8456.2574599385	Sum of GTIs [s]
caldsver	4.6.3	 	ontime4	8456.1343399286	Sum of GTIs [s]
date	2014-10-12T00:27:43	Date and time of file creation	ontime5	8456.2164199352	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8456.1753799319	Sum of GTIs [s]
			ontime7	8456.2574599385	Sum of GTIs [s]
			ontime8	8456.0932999253	Sum of GTIs [s]
			ontime9	8456.2984999418	Sum of GTIs [s]
			l1events	879664	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	149936	129512	163660	121720	154352	160484	grade 0 events	13393	4282	12341	6501	15054	12587
rejected events	124445	74296	137397	70130	119099	134621		8%	3%	7%	5%	9%	7%
rejected %	82%	57%	83%	57%	77%	83%	grade 1 events	118	129	50	93	87	78
								0%	0%	0%	0%	0%	0%
							grade 2 events	4976	20506	5688	12767	7681	5199
								3%	15%	3%	10%	4%	3%
							grade 3 events	1886	1766	1749	4079	2773	1789
								1%	1%	1%	3%	1%	1%
							grade 4 events	1803	1710	1777	3981	2705	1791
								1%	1%	1%	3%	1%	1%
							grade 5 events	3268	6059	3069	7385	4150	3564
								2%	4%	1%	6%	2%	2%
							grade 6 events	3442	26959	4715	24274	7048	4504
								2%	20%	2%	19%	4%	2%
							grade 7 events	121050	68101	134271	62640	114854	130972
								80%	52%	82%	51%	74%	81%

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	12.51711591817286	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	31.89291939305036	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	189.1613081307846	[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)	529407470.046984	529407469.02198			
Observation start date	2014-10-11T09:37:50	2014-10-11T09:37:49			
[s] Observation end time (MET)	529420075.497684	529420074.47268			
Observation end date	2014-10-11T13:07:55	2014-10-11T13:07:54			
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)	2014.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4562574599385

A.2 Comments