

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52451 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 23 2014

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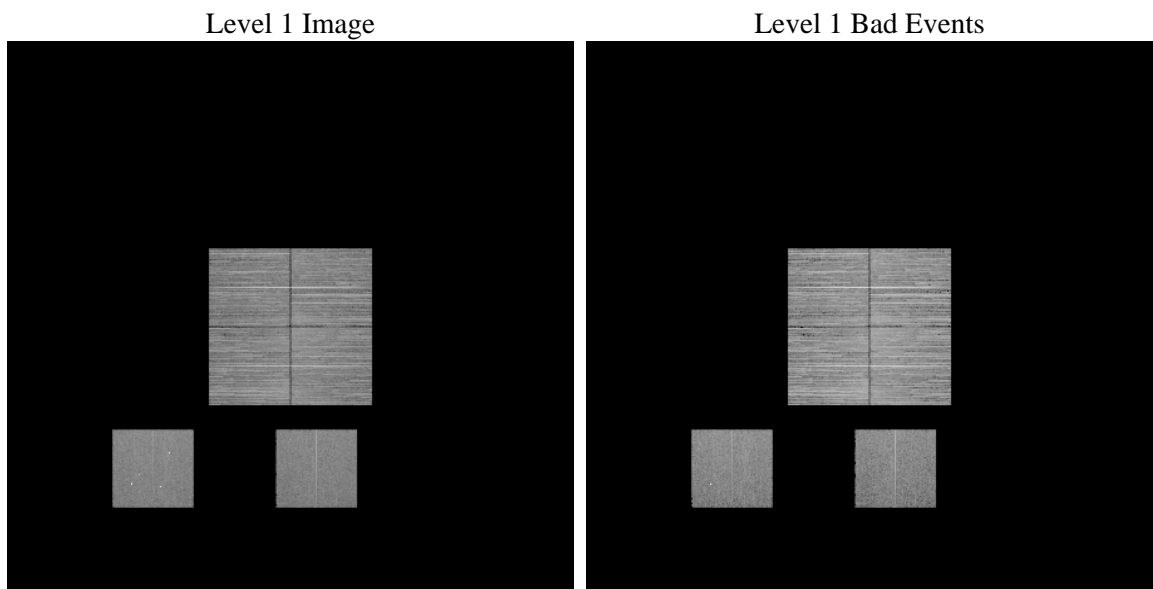
1 Front

seq_num	 	Sequence number
obs_id	52451	Observation id
title	ACIS-012357 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	21.596312003522	Nominal RA [deg]
dec_nom	-11.371284852406	Nominal Dec [deg]
roll_nom	64.421517464004	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8466.9172785282	Sum of GTIs [s]
livetime	8359.704073782	Livetime [s]
ontime0	8466.8762385249	Sum of GTIs [s]
ontime1	8466.8351985216	Sum of GTIs [s]
ontime2	8466.7941585183	Sum of GTIs [s]
ontime3	8466.9583185315	Sum of GTIs [s]
ontime5	8466.753118515	Sum of GTIs [s]
ontime7	8466.9172785282	Sum of GTIs [s]
l2events	207150	Number of level 2 events

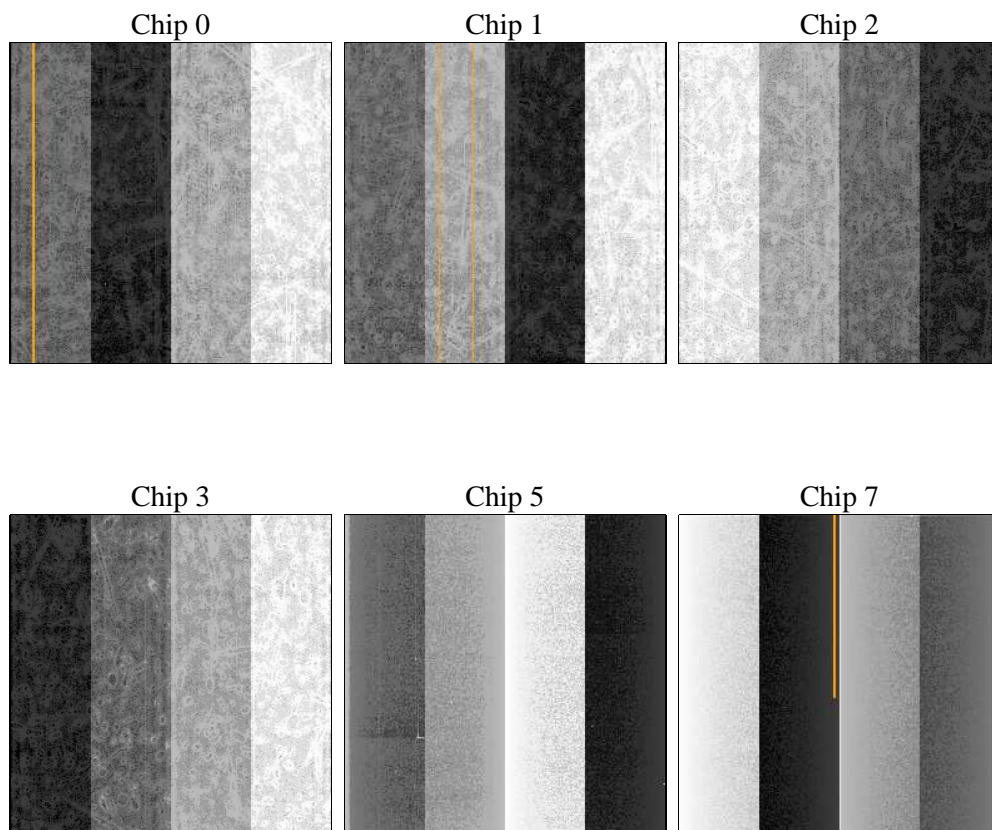
2 OBI

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	8466.9172785282	Sum of GTIs [s]
caldsver	4.6.3	 	ontime0	8466.8762385249	Sum of GTIs [s]
date	2014-09-23T11:39:02	Date and time of file creation	ontime1	8466.8351985216	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8466.7941585183	Sum of GTIs [s]
			ontime3	8466.9583185315	Sum of GTIs [s]
			ontime5	8466.753118515	Sum of GTIs [s]
			ontime7	8466.9172785282	Sum of GTIs [s]
			l1events	925067	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	152561	163722	167707	170722	141935	128420	grade 0 events	12738	12499	13142	13175	8348	6899
rejected events	126566	137618	141855	144510	78856	73214		8%	7%	7%	7%	5%	5%
rejected %	82%	84%	84%	84%	55%	57%	grade 1 events	86	66	77	72	123	96
								0%	0%	0%	0%	0%	0%
							grade 2 events	5472	5565	5047	5223	22526	13478
								3%	3%	3%	3%	15%	10%
							grade 3 events	1755	1664	1842	1883	2034	4429
								1%	1%	1%	1%	1%	3%
							grade 4 events	1817	1784	1872	1819	2046	4370
								1%	1%	1%	1%	1%	3%
							grade 5 events	3184	3195	2919	3407	6856	8160
								2%	1%	1%	1%	4%	6%
							grade 6 events	4228	4606	3964	4115	28159	26053
								2%	2%	2%	2%	19%	20%
							grade 7 events	123281	134343	138844	141028	71843	64935
								80%	82%	82%	82%	50%	50%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	21.59631200352181	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-11.37128485240647	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	64.42151746400398	[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	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	527809275.608189	527809274.58319			
Observation start date	2014-09-22T21:41:16	2014-09-22T21:41:14			
[s] Observation end time (MET)	527819455.908755	527819454.88375			
Observation end date	2014-09-23T00:30:56	2014-09-23T00:30:54			
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)	2014.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4669172785282

A.2 Comments