

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52372 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 17 2014

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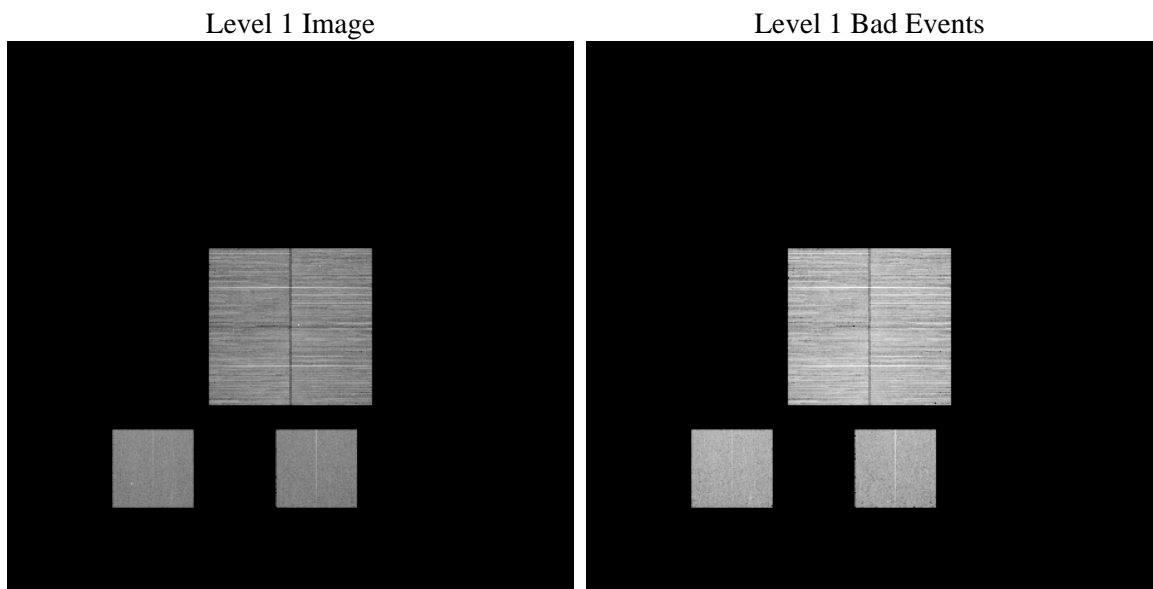
1 Front

seq_num	 	Sequence number
obs_id	52372	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	25.908662759924	Nominal RA [deg]
dec_nom	-15.035675535237	Nominal Dec [deg]
roll_nom	11.004933985534	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8099.1999698877	Sum of GTIs [s]
livetime	7996.6430231163	Livetime [s]
ontime0	7976.0390132666	Sum of GTIs [s]
ontime1	7989.0031834245	Sum of GTIs [s]
ontime2	7985.7634080052	Sum of GTIs [s]
ontime3	7995.4853950143	Sum of GTIs [s]
ontime5	8099.1999698877	Sum of GTIs [s]
ontime7	8099.1999698877	Sum of GTIs [s]
l2events	191074	Number of level 2 events

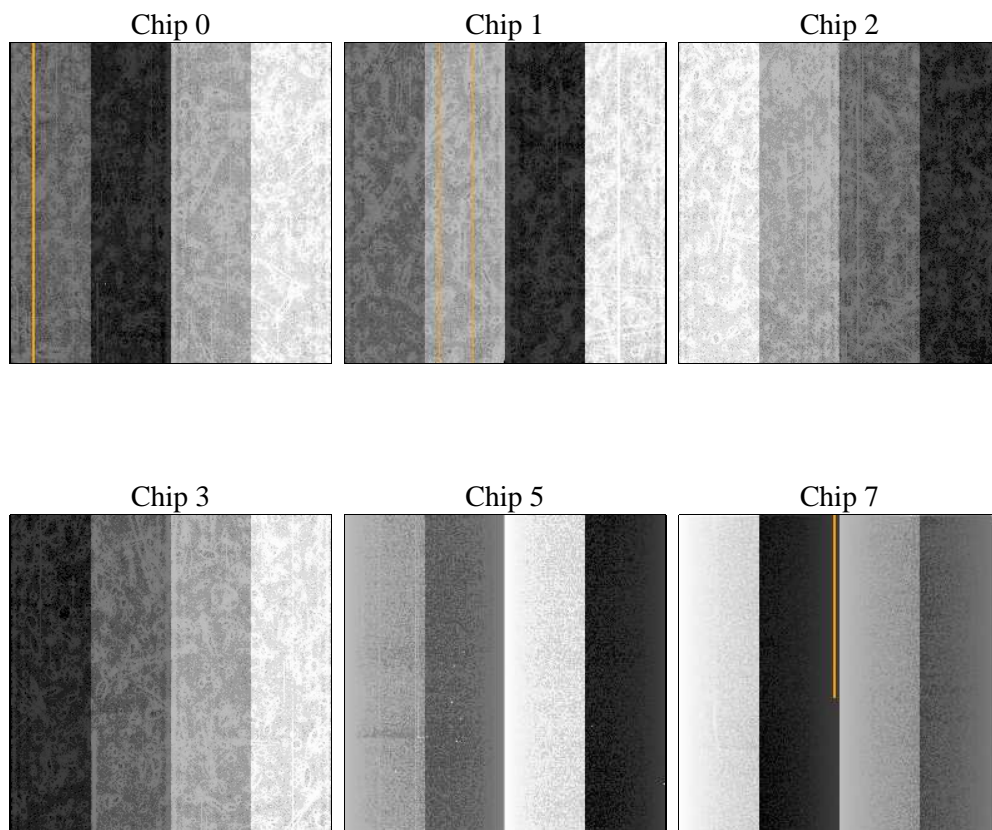
2 OBI

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	8099.1999698877	Sum of GTIs [s]
caldsver	4.6.3	 	ontime0	7976.0390132666	Sum of GTIs [s]
date	2014-10-17T04:13:43	Date and time of file creation	ontime1	7989.0031834245	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7985.7634080052	Sum of GTIs [s]
			ontime3	7995.4853950143	Sum of GTIs [s]
			ontime5	8099.1999698877	Sum of GTIs [s]
			ontime7	8099.1999698877	Sum of GTIs [s]
			l1events	914843	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	149494	170796	168079	167766	132579	126129	grade 0 events	11621	14193	12124	12162	3747	6075
rejected events	125585	143524	144282	143533	78421	75592		7%	8%	7%	7%	2%	4%
rejected %	84%	84%	85%	85%	59%	59%	grade 1 events	70	67	66	60	165	80
								0%	0%	0%	0%	0%	0%
							grade 2 events	5537	6141	5102	5113	20171	12872
								3%	3%	3%	3%	15%	10%
							grade 3 events	1667	1594	1721	1778	1651	3737
								1%	0%	1%	1%	1%	2%
							grade 4 events	1631	1519	1653	1706	1500	3738
								1%	0%	0%	1%	1%	2%
							grade 5 events	2846	2824	2713	3340	5689	7362
								1%	1%	1%	1%	4%	5%
							grade 6 events	4009	4453	3768	4037	28335	25224
								2%	2%	2%	2%	21%	19%
							grade 7 events	122113	140005	140932	139570	71321	67041
								81%	81%	83%	83%	53%	53%

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	25.90866275992437	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-15.03567553523679	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	11.00493398553384	[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)	529868174.772582	529868173.74758			
Observation start date	2014-10-16T17:36:15	2014-10-16T17:36:13			
[s] Observation end time (MET)	529876690.473055	529876689.44805			
Observation end date	2014-10-16T19:58:10	2014-10-16T19:58:09			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.10.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0991999698877

A.2 Comments

GTI is interrupted for about 10 minutes near the end of the observation because of switch to format 4 for grating insertion, then switch back to format 2.