

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54172 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 12 2012

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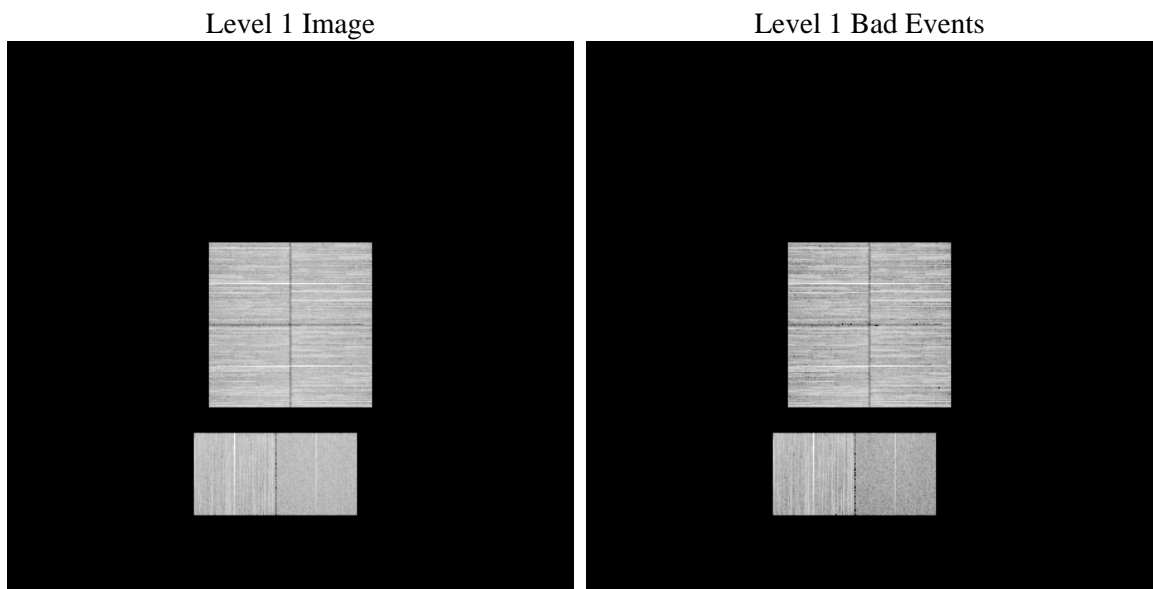
1 Front

seq_num	 	Sequence number
obs_id	54172	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	55.070703494651	Nominal RA [deg]
dec_nom	-5.6278395637375	Nominal Dec [deg]
roll_nom	18.369988241004	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8291.1733636856	Sum of GTIs [s]
livetime	8186.1855342094	Livetime [s]
ontime0	8291.1323236823	Sum of GTIs [s]
ontime1	8291.091283679	Sum of GTIs [s]
ontime2	8291.0502436757	Sum of GTIs [s]
ontime3	8291.1999691725	Sum of GTIs [s]
ontime6	8291.0092036724	Sum of GTIs [s]
ontime7	8291.1733636856	Sum of GTIs [s]
l2events	236318	Number of level 2 events

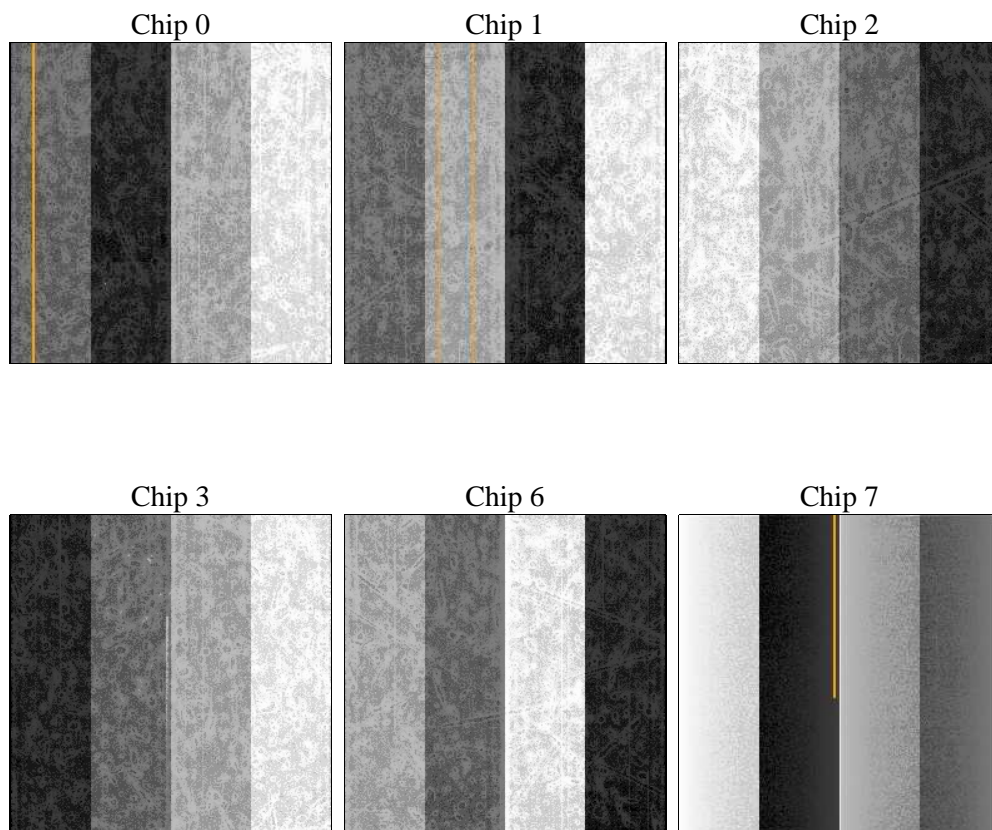
2 OBI

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	8.4.5	Processing system revision	ontime	8291.1733636856	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	8291.1323236823	Sum of GTIs [s]
date	2012-11-12T14:37:12	Date and time of file creation	ontime1	8291.091283679	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8291.0502436757	Sum of GTIs [s]
			ontime3	8291.1999691725	Sum of GTIs [s]
			ontime6	8291.0092036724	Sum of GTIs [s]
			ontime7	8291.1733636856	Sum of GTIs [s]
			l1events	1005221	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	168362	171112	177355	181725	168857	137810	grade 0 events	18626	18293	19222	19390	19238	9896
rejected events	131749	134446	140701	144898	130352	72666		11%	10%	10%	10%	11%	7%
rejected %	78%	78%	79%	79%	77%	52%	grade 1 events	88	86	110	120	79	88
								0%	0%	0%	0%	0%	0%
							grade 2 events	7186	7502	6897	6903	7711	16099
								4%	4%	3%	3%	4%	11%
							grade 3 events	2479	2499	2490	2521	2545	5471
								1%	1%	1%	1%	1%	3%
							grade 4 events	2436	2507	2591	2507	2545	5317
								1%	1%	1%	1%	1%	3%
							grade 5 events	3165	3122	2880	3539	3360	8266
								1%	1%	1%	1%	1%	5%
							grade 6 events	5902	5881	5473	5515	6480	28389
								3%	3%	3%	3%	3%	20%
							grade 7 events	128480	131222	137692	141230	126899	64284
								76%	76%	77%	77%	75%	46%

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	55.0707034946509	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-5.627839563737454	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	18.36998824100365	[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)	469046506.195233	469046505.17023			
Observation start date	2012-11-11T18:41:46	2012-11-11T18:41:45			
[s] Observation end time (MET)	469056368.745763	469056367.72076			
Observation end date	2012-11-11T21:26:09	2012-11-11T21:26:07			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2911733636856

A.2 Comments