

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54254 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 15 2012

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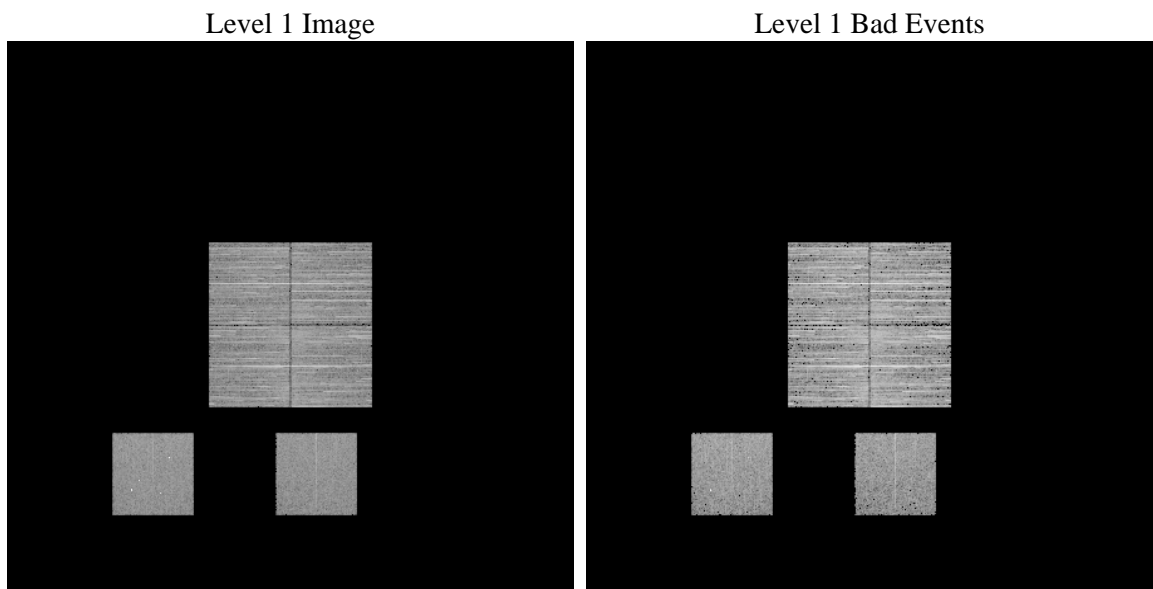
1 Front

seq_num	 	Sequence number
obs_id	54254	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	42.638409739373	Nominal RA [deg]
dec_nom	10.580707024586	Nominal Dec [deg]
roll_nom	94.129835734261	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3963.6866726875	Sum of GTIs [s]
livetime	3913.4960853924	Livetime [s]
ontime0	3963.6456326842	Sum of GTIs [s]
ontime1	3963.6045926809	Sum of GTIs [s]
ontime2	3963.5635526776	Sum of GTIs [s]
ontime3	3963.7277126908	Sum of GTIs [s]
ontime5	3963.5225126743	Sum of GTIs [s]
ontime7	3963.6866726875	Sum of GTIs [s]
l2events	129983	Number of level 2 events

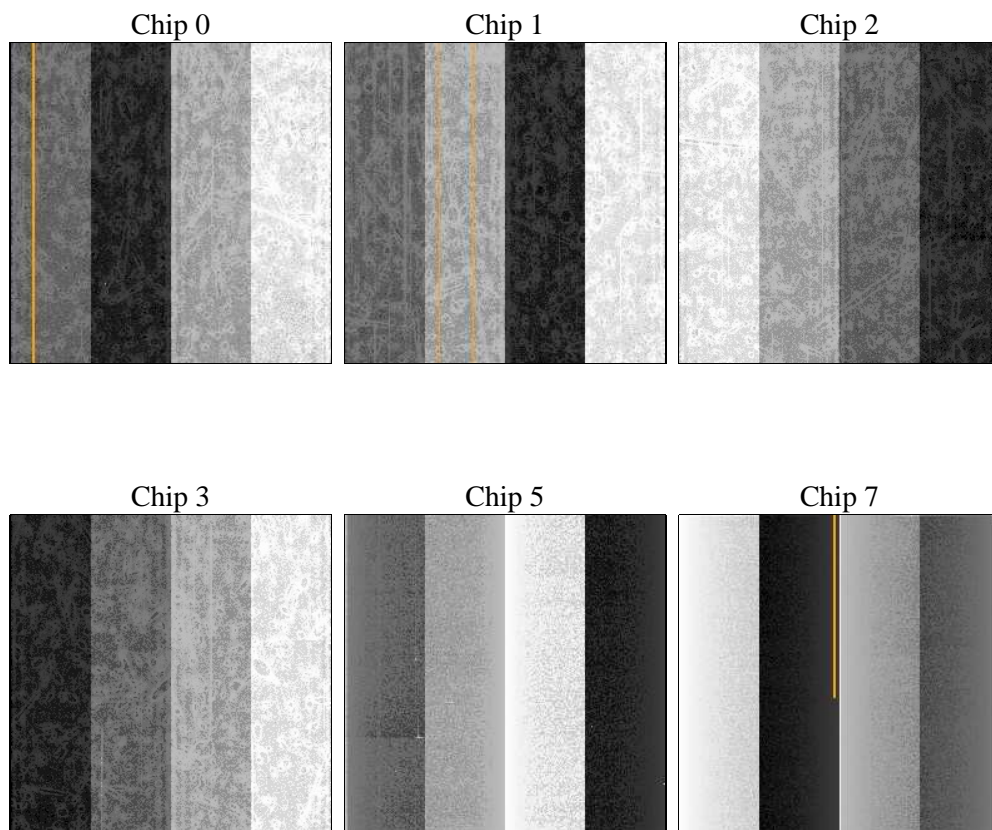
2 OBI

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	3963.6866726875	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	3963.6456326842	Sum of GTIs [s]
date	2012-10-15T14:29:25	Date and time of file creation	ontime1	3963.6045926809	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3963.5635526776	Sum of GTIs [s]
			ontime3	3963.7277126908	Sum of GTIs [s]
			ontime5	3963.5225126743	Sum of GTIs [s]
			ontime7	3963.6866726875	Sum of GTIs [s]
			l1events	448708	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	76542	78694	77996	80481	70027	64968
rejected events	58092	60403	59390	61727	36905	33910
rejected %	75%	76%	76%	76%	52%	52%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
grade 0 events	10027	9738	10696	10479	5223	5208
	13%	12%	13%	13%	7%	8%
grade 1 events	49	49	61	51	57	50
	0%	0%	0%	0%	0%	0%
grade 2 events	3746	3973	3694	3706	12757	8140
	4%	5%	4%	4%	18%	12%
grade 3 events	1332	1317	1271	1302	1361	2716
	1%	1%	1%	1%	1%	4%
grade 4 events	1325	1278	1319	1331	1297	2753
	1%	1%	1%	1%	1%	4%
grade 5 events	1406	1393	1388	1642	3073	3637
	1%	1%	1%	2%	4%	5%
grade 6 events	3201	3197	2894	3205	14320	13998
	4%	4%	3%	3%	20%	21%
grade 7 events	55456	57749	56673	58765	31939	28466
	72%	73%	72%	73%	45%	43%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	42.63840973937336
[deg] Pointing Dec	0	10.58070702458643
[deg] Pointing Roll	0.0	94.12983573426089
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	466538882.510536	466538882.510536
Observation start date	2012-10-13T18:08:03	2012-10-13T18:08:02
[s] Observation end time (MET)	466544281.613227	466544281.613227
Observation end date	2012-10-13T19:38:02	2012-10-13T19:38:01
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.9636866726875

A.2 Comments