

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54311 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 20 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

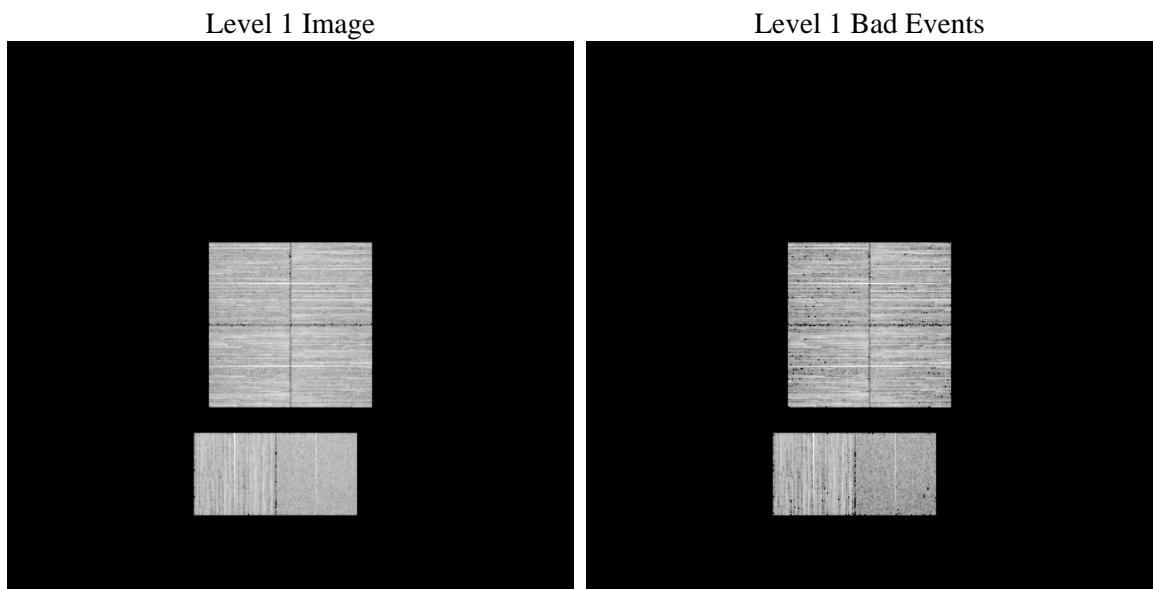
1 Front

seq_num	 	Sequence number
obs_id	54311	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	350.66857667379	Nominal RA [deg]
dec_nom	29.683242305574	Nominal Dec [deg]
roll_nom	193.62208909857	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4613.9807973504	Sum of GTIs [s]
livetime	4555.5557942887	Livetime [s]
ontime0	4613.9397573471	Sum of GTIs [s]
ontime1	4613.8987173438	Sum of GTIs [s]
ontime2	4613.8576773405	Sum of GTIs [s]
ontime3	4614.0218373537	Sum of GTIs [s]
ontime6	4613.8166373372	Sum of GTIs [s]
ontime7	4613.9807973504	Sum of GTIs [s]
l2events	133603	Number of level 2 events

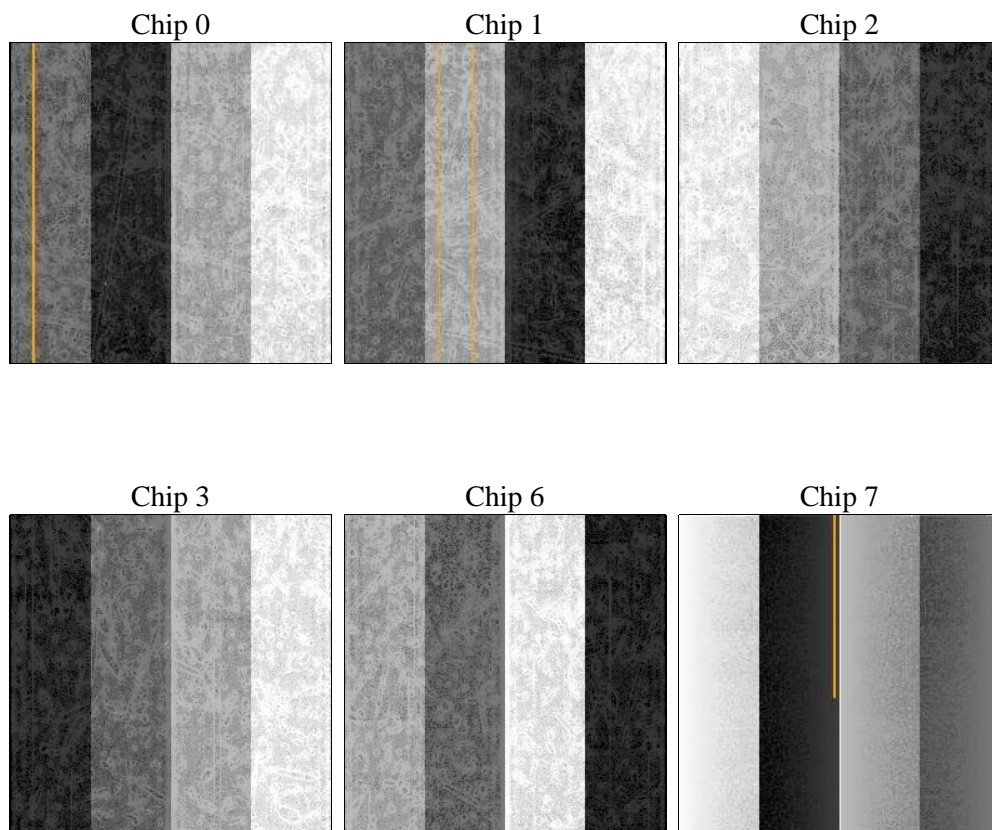
2 OBI

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	4613.9807973504	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	4613.9397573471	Sum of GTIs [s]
date	2012-09-20T18:38:12	Date and time of file creation	ontime1	4613.8987173438	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4613.8576773405	Sum of GTIs [s]
			ontime3	4614.0218373537	Sum of GTIs [s]
			ontime6	4613.8166373372	Sum of GTIs [s]
			ontime7	4613.9807973504	Sum of GTIs [s]
			l1events	531725	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	84043	94834	93707	91152	93314	74675
rejected events	63520	74155	72752	70195	71453	38288
rejected %	75%	78%	77%	77%	76%	51%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	10642	10412	10908	10996	10817	5337
	12%	10%	11%	12%	11%	7%
grade 1 events	59	55	72	61	55	38
	0%	0%	0%	0%	0%	0%
grade 2 events	4023	4253	4042	3938	4383	9036
	4%	4%	4%	4%	4%	12%
grade 3 events	1388	1391	1486	1484	1416	3027
	1%	1%	1%	1%	1%	4%
grade 4 events	1361	1329	1384	1496	1461	2930
	1%	1%	1%	1%	1%	3%
grade 5 events	1632	1700	1610	1856	1787	4338
	1%	1%	1%	2%	1%	5%
grade 6 events	3109	3294	3135	3043	3784	16057
	3%	3%	3%	3%	4%	21%
grade 7 events	61829	72400	71070	68278	69611	33912
	73%	76%	75%	74%	74%	45%

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	350.6685766737888	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	29.68324230557428	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	193.6220890985716	[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)	464505649.351474	464505648.32647			
Observation start date	2012-09-20T05:20:49	2012-09-20T05:20:48			
[s] Observation end time (MET)	464513619.751902	464513618.7269			
Observation end date	2012-09-20T07:33:40	2012-09-20T07:33:38			
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)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.6139807973504

A.2 Comments