

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54344 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 10 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

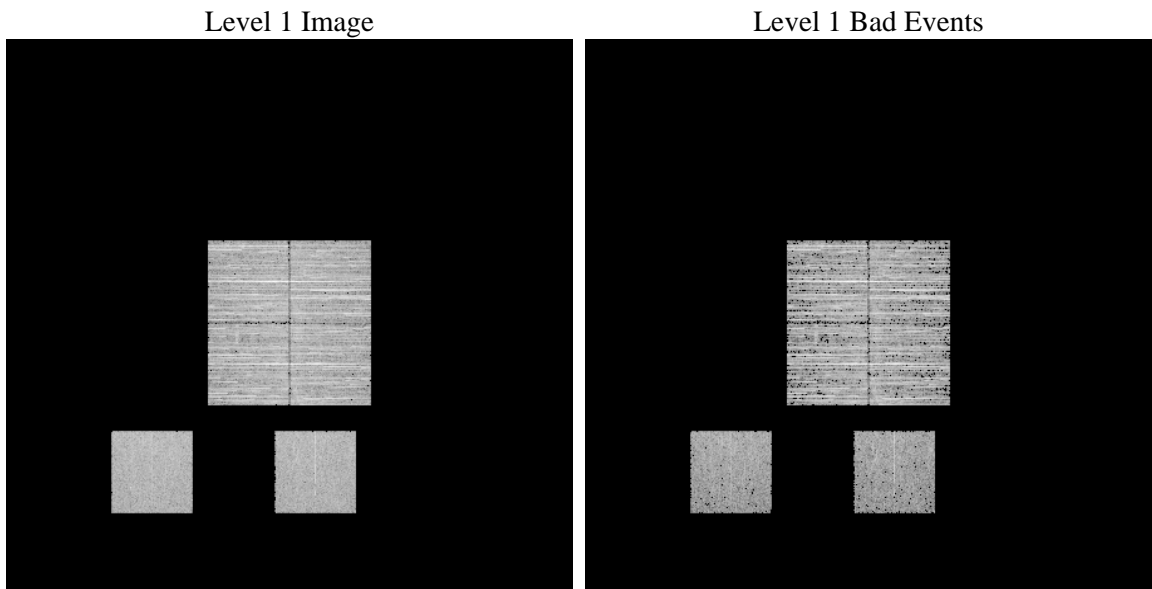
1 Front

seq_num	 	Sequence number
obs_id	54344	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	260.03045547385	Nominal RA [deg]
dec_nom	-59.023963938736	Nominal Dec [deg]
roll_nom	270.53613289533	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3304.2867280841	Sum of GTIs [s]
livetime	3262.4458599305	Livetime [s]
ontime0	3304.2456880808	Sum of GTIs [s]
ontime1	3304.2046480775	Sum of GTIs [s]
ontime2	3304.1636080742	Sum of GTIs [s]
ontime3	3304.3277680874	Sum of GTIs [s]
ontime5	3304.1225680709	Sum of GTIs [s]
ontime7	3304.2867280841	Sum of GTIs [s]
l2events	104947	Number of level 2 events

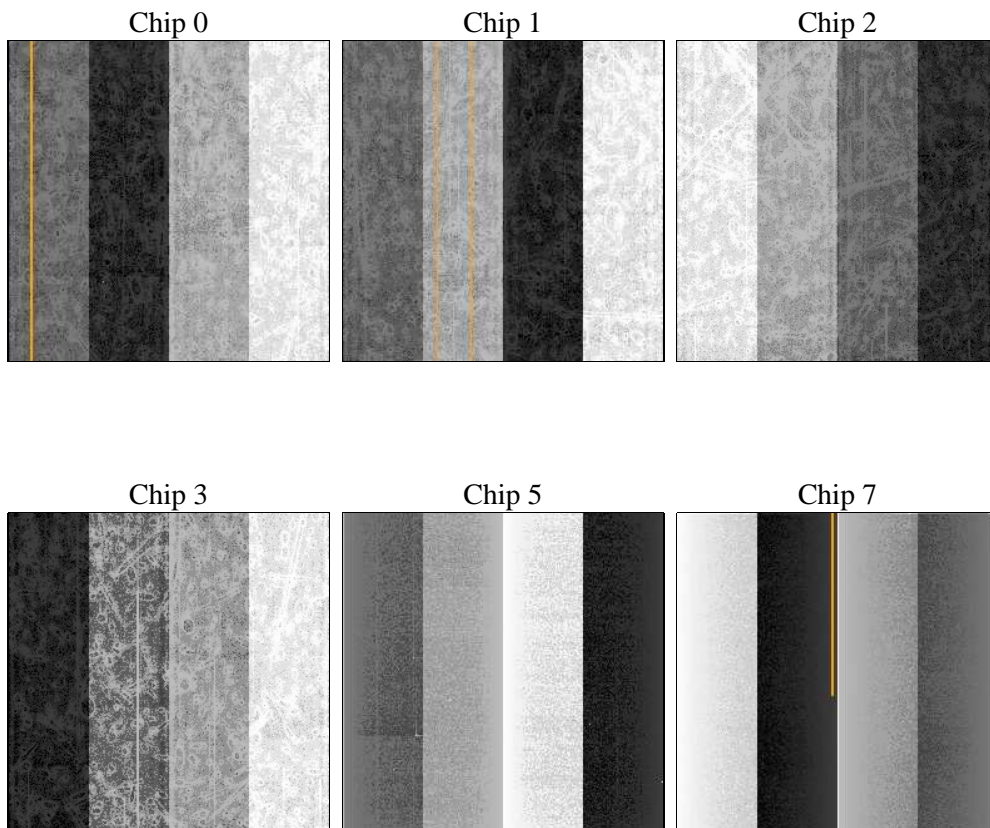
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3304.2867280841	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime0	3304.2456880808	Sum of GTIs [s]
date	2012-09-10T13:37:00	Date and time of file creation	ontime1	3304.2046480775	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3304.1636080742	Sum of GTIs [s]
			ontime3	3304.3277680874	Sum of GTIs [s]
			ontime5	3304.1225680709	Sum of GTIs [s]
			ontime7	3304.2867280841	Sum of GTIs [s]
			l1events	346152	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	61913	60249	60985	58939	53674	50392	grade 0 events	7587	7500	7764	7736	2810	3919
rejected events	47152	45348	46205	44255	27870	25222		12%	12%	12%	13%	5%	7%
rejected %	76%	75%	75%	75%	51%	50%	grade 1 events	37	38	42	40	44	22
								0%	0%	0%	0%	0%	0%
							grade 2 events	2907	3050	2767	2756	9711	6206
								4%	5%	4%	4%	18%	12%
							grade 3 events	1004	970	1015	992	947	2154
								1%	1%	1%	1%	1%	4%
							grade 4 events	969	981	1015	1021	1032	2088
								1%	1%	1%	1%	1%	4%
							grade 5 events	1095	1176	1081	1229	2319	2927
								1%	1%	1%	2%	4%	5%
							grade 6 events	2294	2419	2241	2179	11333	10803
								3%	4%	3%	3%	21%	21%
							grade 7 events	46020	44115	45060	42986	25478	22273
								74%	73%	73%	72%	47%	44%

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	260.0304554738469	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-59.02396393873605	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	270.5361328953251	[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)	463366351.540422	463366350.51542			
Observation start date	2012-09-07T00:52:32	2012-09-07T00:52:30			
[s] Observation end time (MET)	463371548.290701	463371547.2657			
Observation end date	2012-09-07T02:19:08	2012-09-07T02:19:07			
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)	2012.09.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.3042867280841

A.2 Comments