

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52394 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 13 2014

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

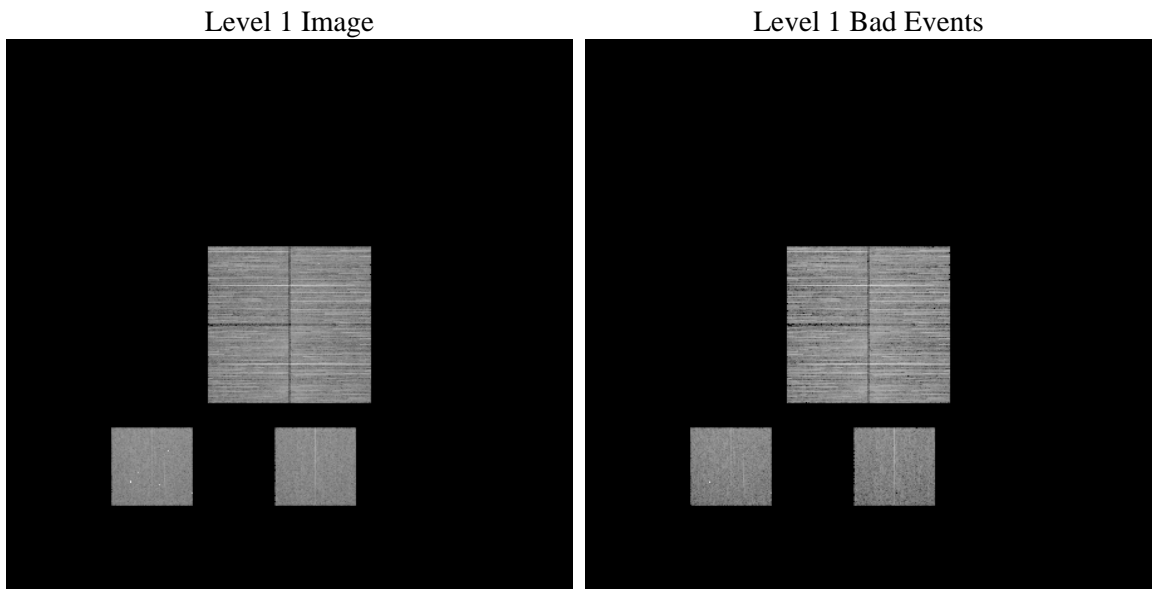
1 Front

seq_num	 	Sequence number
obs_id	52394	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	32.962984463233	Nominal RA [deg]
dec_nom	-12.940919048928	Nominal Dec [deg]
roll_nom	35.449731198563	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6428.7999761105	Sum of GTIs [s]
livetime	6347.3946398543	Livetime [s]
ontime0	6428.7999761105	Sum of GTIs [s]
ontime1	6428.7999761105	Sum of GTIs [s]
ontime2	6428.7999761105	Sum of GTIs [s]
ontime3	6428.7999761105	Sum of GTIs [s]
ontime5	6428.7999761105	Sum of GTIs [s]
ontime7	6428.7999761105	Sum of GTIs [s]
l2events	152962	Number of level 2 events

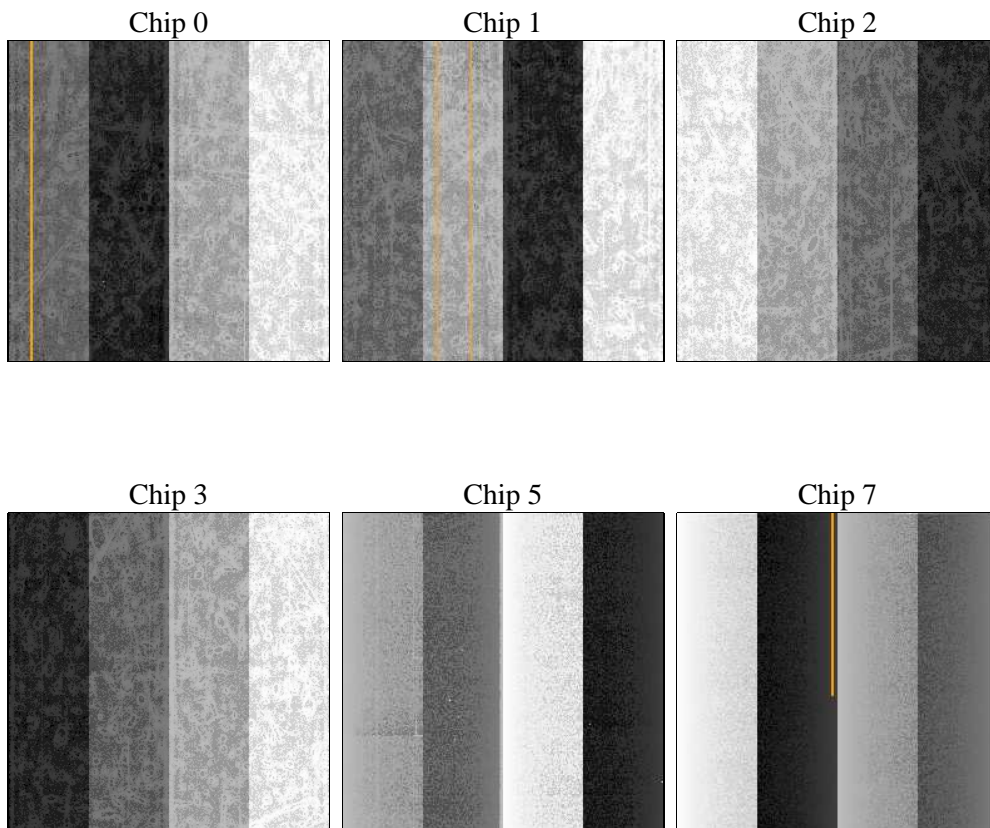
2 OBI

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	6428.7999761105	Sum of GTIs [s]
caldsver	4.6.3	 	ontime0	6428.7999761105	Sum of GTIs [s]
date	2014-10-13T22:13:56	Date and time of file creation	ontime1	6428.7999761105	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	6428.7999761105	Sum of GTIs [s]
			ontime3	6428.7999761105	Sum of GTIs [s]
			ontime5	6428.7999761105	Sum of GTIs [s]
			ontime7	6428.7999761105	Sum of GTIs [s]
			l1events	665959	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	110773	121271	116186	118154	103940	95635	grade 0 events	9736	9652	10162	9938	5289	5366
rejected events	91363	101499	96613	98865	59411	55148		8%	7%	8%	8%	5%	5%
rejected %	82%	83%	83%	83%	57%	57%	grade 1 events	59	64	61	66	160	62
								0%	0%	0%	0%	0%	0%
							grade 2 events	4083	4298	3857	3820	16410	10066
								3%	3%	3%	3%	15%	10%
							grade 3 events	1416	1352	1457	1363	1532	3299
								1%	1%	1%	1%	1%	3%
							grade 4 events	1362	1319	1376	1424	1430	3187
								1%	1%	1%	1%	1%	3%
							grade 5 events	2349	2394	2213	2462	5277	6013
								2%	1%	1%	2%	5%	6%
							grade 6 events	3154	3447	2994	3040	20566	19195
								2%	2%	2%	2%	19%	20%
							grade 7 events	88614	98745	94066	96041	53276	48447
								79%	81%	80%	81%	51%	50%

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	32.96298446323325
[deg] Pointing Dec	0	-12.9409190489279
[deg] Pointing Roll	0.0	35.44973119856255
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)	529601213.50775	529601213.50775
Observation start date	2014-10-13T15:26:54	2014-10-13T15:26:53
[s] Observation end time (MET)	529609002.140313	529609002.140313
Observation end date	2014-10-13T17:36:42	2014-10-13T17:36:42
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)	2014.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.4287999761105

A.2 Comments