

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 52218 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 29 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

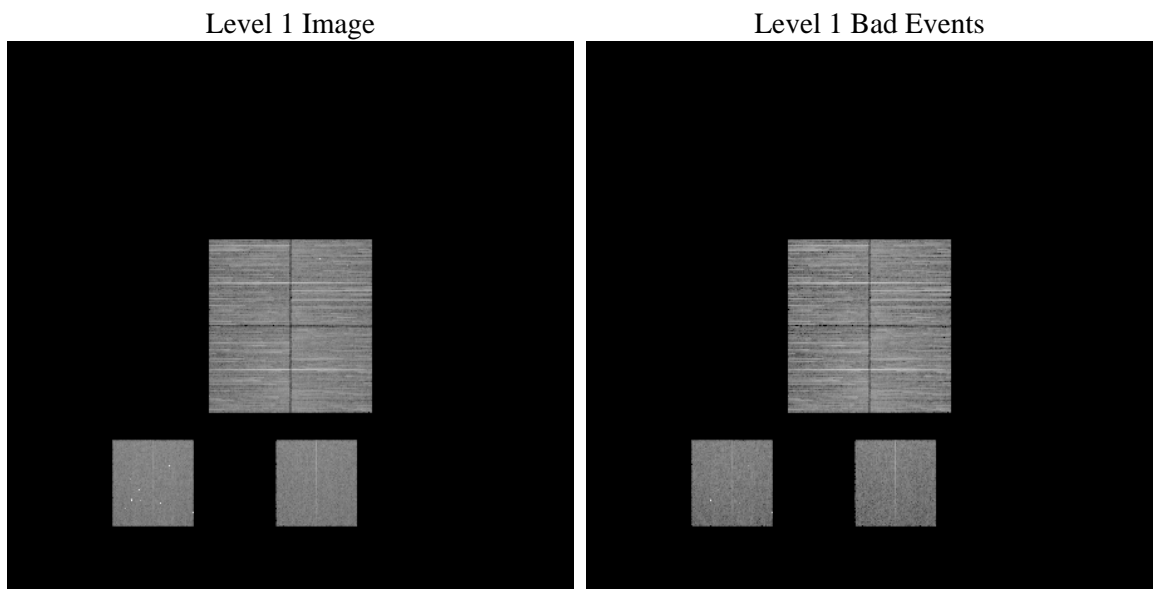
1 Front

seq_num	 	Sequence number
obs_id	52218	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	117.76676338046	Nominal RA [deg]
dec_nom	31.840650604919	Nominal Dec [deg]
roll_nom	114.80671690952	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8038.3999701142	Sum of GTIs [s]
livetime	7936.6129095493	Livetime [s]
ontime0	8038.3999701142	Sum of GTIs [s]
ontime1	8038.3999701142	Sum of GTIs [s]
ontime2	8038.3999701142	Sum of GTIs [s]
ontime3	8038.3999701142	Sum of GTIs [s]
ontime5	8038.3999701142	Sum of GTIs [s]
ontime7	8038.3999701142	Sum of GTIs [s]
l2events	172345	Number of level 2 events

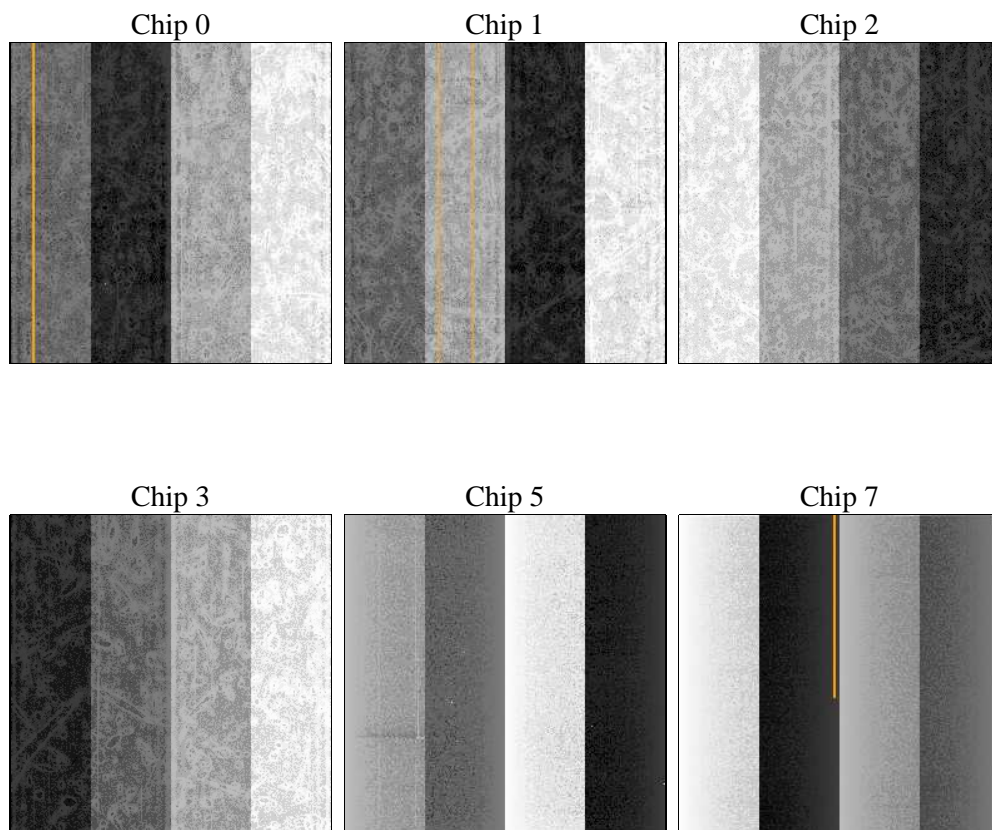
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	8038.3999701142	Sum of GTIs [s]
caldsver	4.6.5	 	ontime0	8038.3999701142	Sum of GTIs [s]
date	2014-12-30T04:34:34	Date and time of file creation	ontime1	8038.3999701142	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8038.3999701142	Sum of GTIs [s]
			ontime3	8038.3999701142	Sum of GTIs [s]
			ontime5	8038.3999701142	Sum of GTIs [s]
			ontime7	8038.3999701142	Sum of GTIs [s]
			l1events	784720	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	135238	142447	133156	142498	122975	108406	grade 0 events	11081	11533	11506	11914	9711	5973
rejected events	112897	119025	110887	119892	68760	63528		8%	8%	8%	8%	7%	5%
rejected %	83%	83%	83%	84%	55%	58%	grade 1 events	55	60	59	65	606	94
								0%	0%	0%	0%	0%	0%
							grade 2 events	5024	5584	4763	4701	18873	11599
								3%	3%	3%	3%	15%	10%
							grade 3 events	1605	1440	1564	1536	1679	3504
								1%	1%	1%	1%	1%	3%
							grade 4 events	1542	1366	1507	1585	1587	3518
								1%	0%	1%	1%	1%	3%
							grade 5 events	2611	2533	2560	2959	6042	6530
								1%	1%	1%	2%	4%	6%
							grade 6 events	3775	4187	3632	3597	24022	21719
								2%	2%	2%	2%	19%	20%
							grade 7 events	109545	115744	107565	116141	60455	55469
								81%	81%	80%	81%	49%	51%

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	117.7667633804623
[deg] Pointing Dec	0	31.84065060491945
[deg] Pointing Roll	0.0	114.8067169095199
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)	536226090.226558	536226090.226558
Observation start date	2014-12-29T07:41:30	2014-12-29T07:41:30
[s] Observation end time (MET)	536236150.631309	536236150.631309
Observation end date	2014-12-29T10:29:11	2014-12-29T10:29:10
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.12.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0383999701142

A.2 Comments