

V&V Reference Report

L2 ASCDS Version : 10

Observation 53524 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 29 2013

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

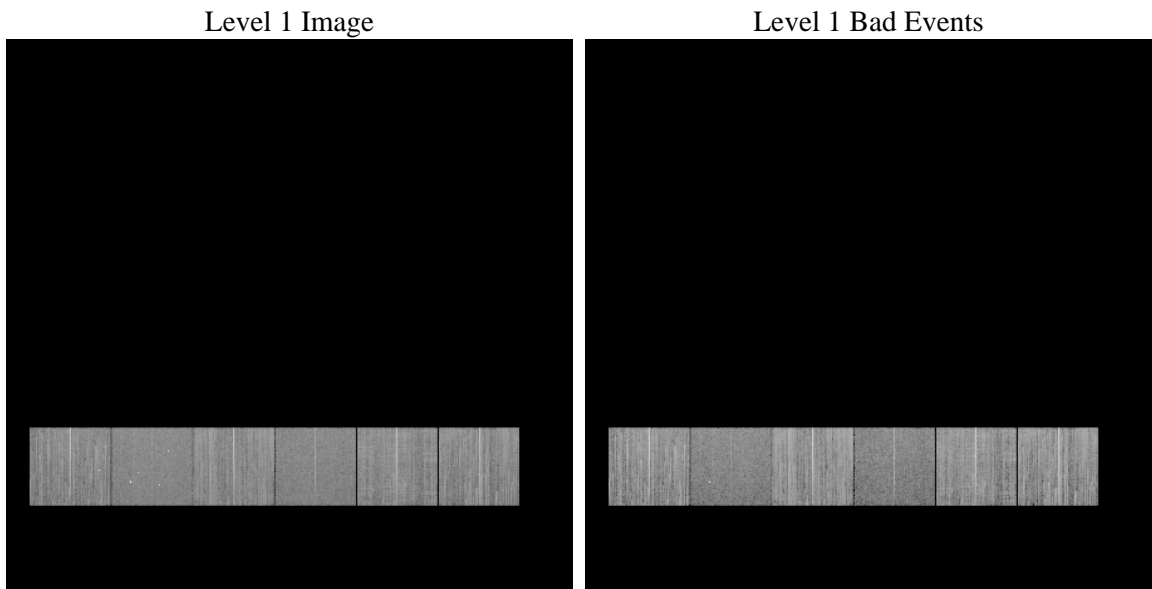
1 Front

seq_num	 	Sequence number
obs_id	53524	Observation id
title	ACIS-456789 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	267.25757068243	Nominal RA [deg]
dec_nom	12.09200567082	Nominal Dec [deg]
roll_nom	236.17615864121	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8172.7999696136	Sum of GTIs [s]
livetime	8069.311055329	Livetime [s]
ontime4	8172.7999696136	Sum of GTIs [s]
ontime5	8172.7999696136	Sum of GTIs [s]
ontime6	8172.7999696136	Sum of GTIs [s]
ontime7	8172.7999696136	Sum of GTIs [s]
ontime8	8172.7999696136	Sum of GTIs [s]
ontime9	8172.7999696136	Sum of GTIs [s]
l2events	248261	Number of level 2 events

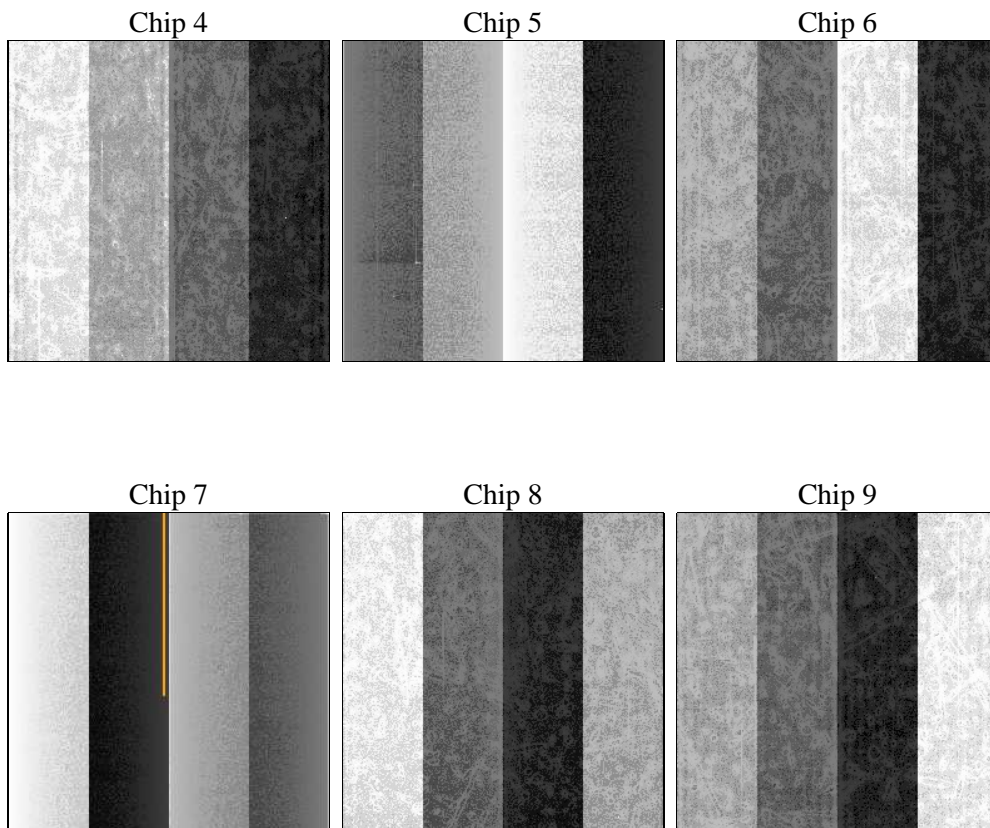
2 OBI

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	Processing system revision	ontime	8172.7999696136	Sum of GTIs [s]
caldsver	4.5.7	 	ontime4	8172.7999696136	Sum of GTIs [s]
date	2013-07-29T16:00:41	Date and time of file creation	ontime5	8172.7999696136	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8172.7999696136	Sum of GTIs [s]
			ontime7	8172.7999696136	Sum of GTIs [s]
			ontime8	8172.7999696136	Sum of GTIs [s]
			ontime9	8172.7999696136	Sum of GTIs [s]
			l1events	901394	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	152223	137453	166962	125824	159214	159718	grade 0 events	20347	8976	18185	9324	20441	17894
rejected events	116122	72843	130633	66370	115256	124593		13%	6%	10%	7%	12%	11%
rejected %	76%	52%	78%	52%	72%	78%	grade 1 events	153	139	80	106	87	126
								0%	0%	0%	0%	0%	0%
							grade 2 events	6496	24322	7412	14757	9180	6973
								4%	17%	4%	11%	5%	4%
							grade 3 events	2469	2401	2386	5177	3326	2456
								1%	1%	1%	4%	2%	1%
							grade 4 events	2484	2229	2392	4876	3155	2333
								1%	1%	1%	3%	1%	1%
							grade 5 events	3100	6402	3099	7458	4079	3413
								2%	4%	1%	5%	2%	2%
							grade 6 events	4950	27720	6617	26233	8785	6113
								3%	20%	3%	20%	5%	3%
							grade 7 events	112224	65264	126791	57893	110161	120410
								73%	47%	75%	46%	69%	75%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	267.2575706824296
[deg] Pointing Dec	0	12.09200567081971
[deg] Pointing Roll	0.0	236.1761586412146
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)	491440453.20662	491440453.20662
Observation start date	2013-07-28T23:14:13	2013-07-28T23:14:13
[s] Observation end time (MET)	491450514.481629	491450514.481629
Observation end date	2013-07-29T02:01:54	2013-07-29T02:01:54
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)	2013.07.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1727999696136

A.2 Comments