

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52546 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 14 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

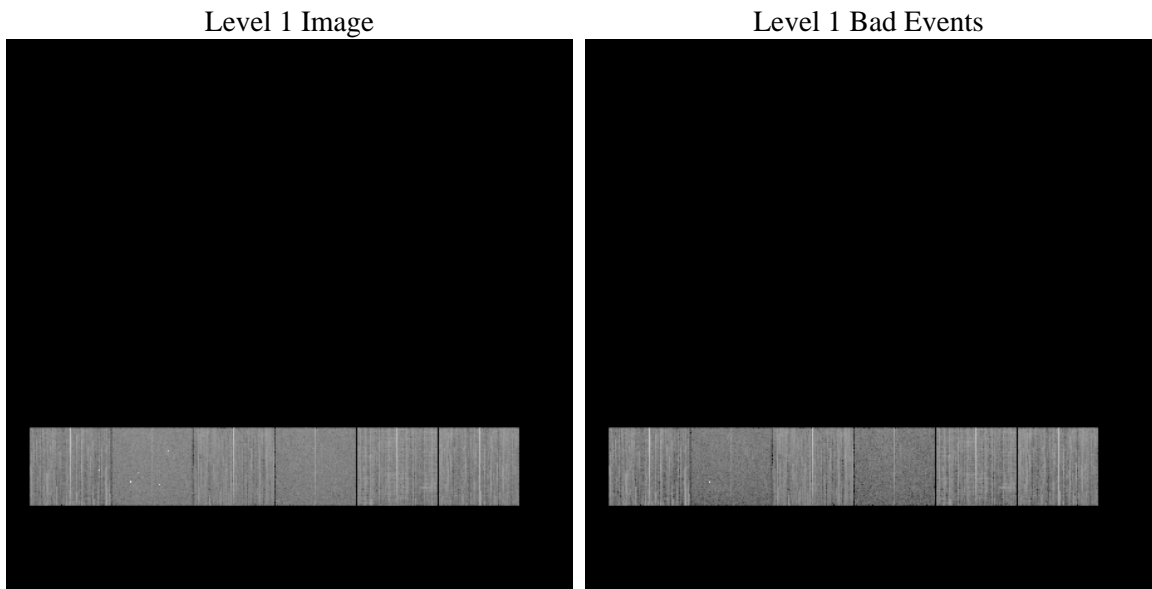
1 Front

seq_num	 	Sequence number
obs_id	52546	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	336.86912041858	Nominal RA [deg]
dec_nom	2.876944494138	Nominal Dec [deg]
roll_nom	143.97930177627	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8307.1999691129	Sum of GTIs [s]
livetime	8202.0092011087	Livetime [s]
ontime4	8307.1999691129	Sum of GTIs [s]
ontime5	8307.1999691129	Sum of GTIs [s]
ontime6	8307.1999691129	Sum of GTIs [s]
ontime7	8307.1999691129	Sum of GTIs [s]
ontime8	8307.1999691129	Sum of GTIs [s]
ontime9	8307.1999691129	Sum of GTIs [s]
l2events	199467	Number of level 2 events

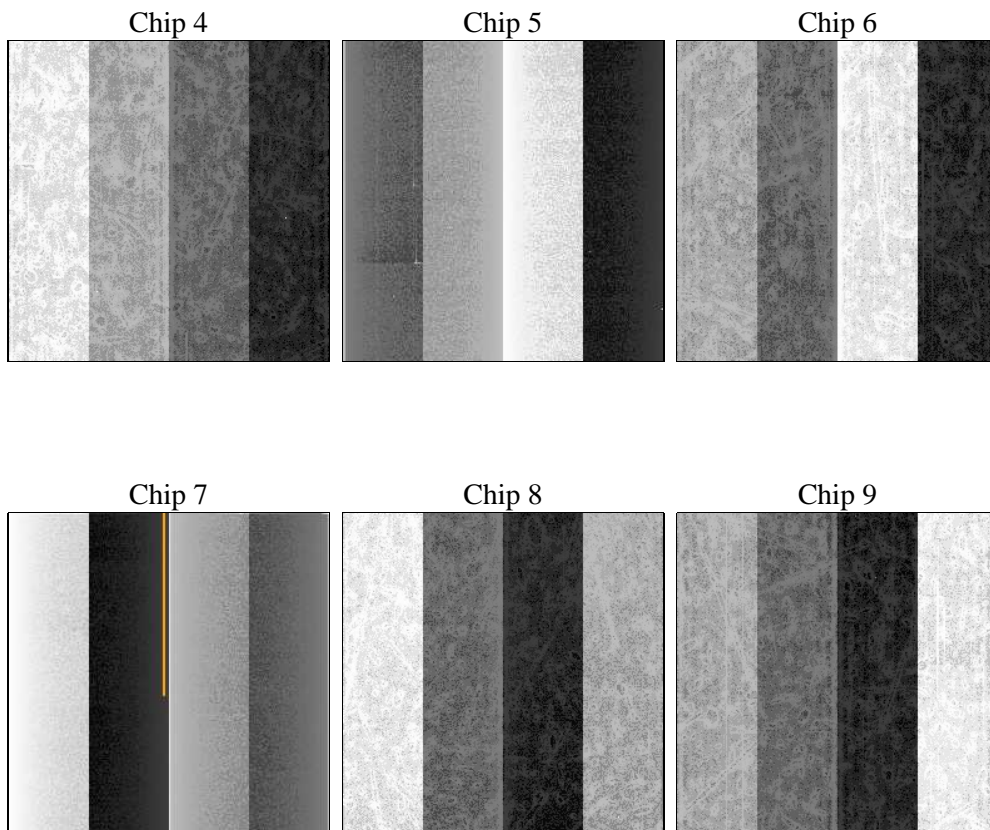
2 OBI

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	8307.1999691129	Sum of GTIs [s]
caldbver	4.6.2	 	ontime4	8307.1999691129	Sum of GTIs [s]
date	2014-08-14T16:48:05	Date and time of file creation	ontime5	8307.1999691129	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8307.1999691129	Sum of GTIs [s]
			ontime7	8307.1999691129	Sum of GTIs [s]
			ontime8	8307.1999691129	Sum of GTIs [s]
			ontime9	8307.1999691129	Sum of GTIs [s]
			l1events	861108	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	144313	133607	152772	119823	159178	151415	grade 0 events	15567	7793	13083	6972	15553	12791
rejected events	116975	76034	126110	68403	123874	125585		10%	5%	8%	5%	9%	8%
rejected %	81%	56%	82%	57%	77%	82%	grade 1 events	121	119	55	63	85	85
								0%	0%	0%	0%	0%	0%
							grade 2 events	4982	20633	5647	12761	7578	5308
								3%	15%	3%	10%	4%	3%
							grade 3 events	1871	1882	1868	4169	2903	1852
								1%	1%	1%	3%	1%	1%
							grade 4 events	1890	1887	1799	4188	2696	1868
								1%	1%	1%	3%	1%	1%
							grade 5 events	3234	6023	3269	7533	4089	3547
								2%	4%	2%	6%	2%	2%
							grade 6 events	3561	26402	4739	24219	7281	4484
								2%	19%	3%	20%	4%	2%
							grade 7 events	113087	68868	122312	59918	118993	121480
								78%	51%	80%	50%	74%	80%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
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	336.8691204185775	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	2.876944494137982	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	143.9793017762723	[s] Primary exposure time	3.2	3.2
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)	524380262.967889	524380262.967889			
Observation start date	2014-08-14T05:11:03	2014-08-14T05:11:02			
[s] Observation end time (MET)	524390259.118053	524390259.118053			
Observation end date	2014-08-14T07:57:39	2014-08-14T07:57:39			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3071999691129

A.2 Comments