

V&V Reference Report

L2 ASCDS Version : 10.2.2

Observation 52691 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 19 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

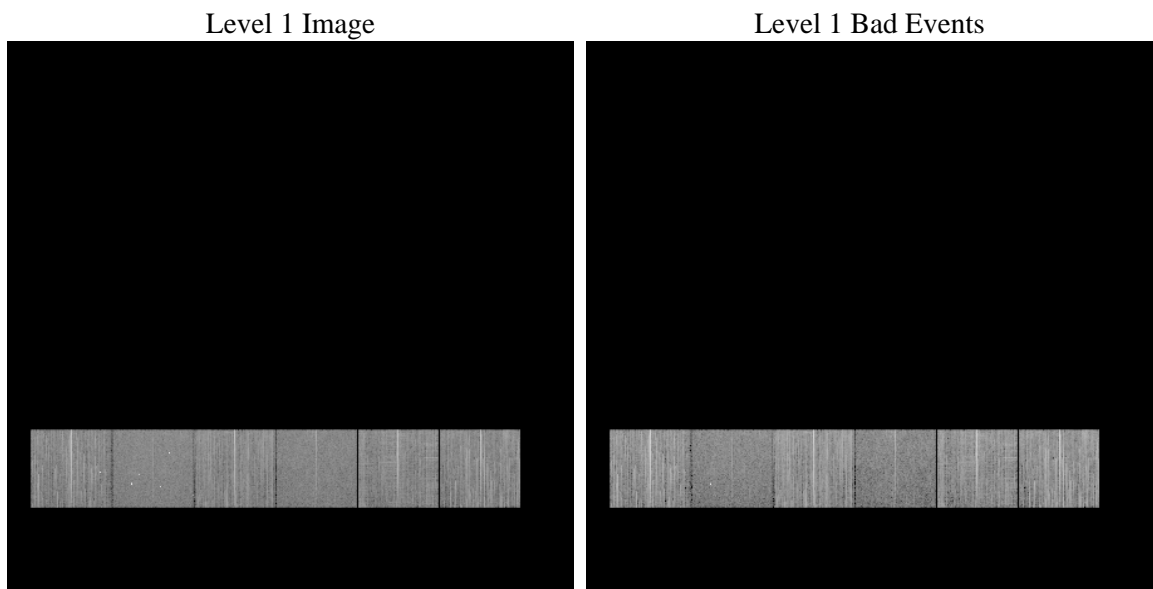
1 Front

seq_num	 	Sequence number
obs_id	52691	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	277.0246555428	Nominal RA [deg]
dec_nom	-46.47690421406	Nominal Dec [deg]
roll_nom	20.777037390437	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7740.7999712229	Sum of GTIs [s]
livetime	7642.7813010371	Livetime [s]
ontime4	7740.7999712229	Sum of GTIs [s]
ontime5	7740.7999712229	Sum of GTIs [s]
ontime6	7740.7999712229	Sum of GTIs [s]
ontime7	7740.7999712229	Sum of GTIs [s]
ontime8	7740.7999712229	Sum of GTIs [s]
ontime9	7740.7999712229	Sum of GTIs [s]
l2events	181615	Number of level 2 events

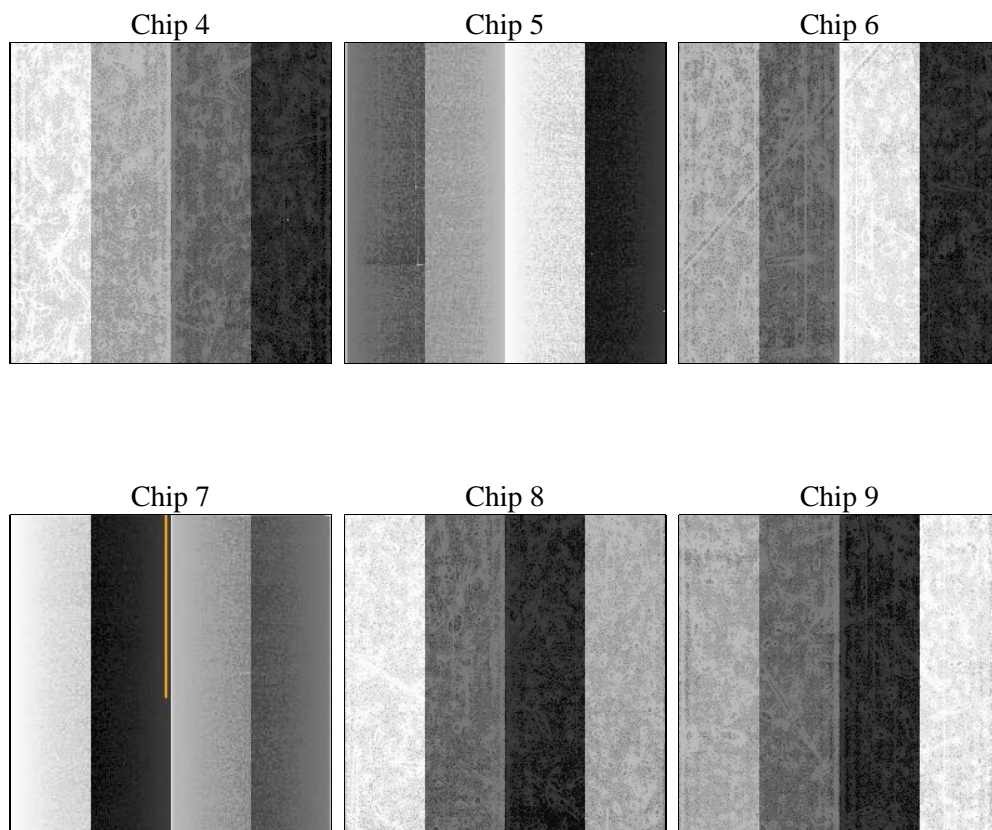
2 OBI

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	10.2.2	Processing system revision	ontime	7740.7999712229	Sum of GTIs [s]
caldsver	4.6.1	 	ontime4	7740.7999712229	Sum of GTIs [s]
date	2014-06-20T00:16:52	Date and time of file creation	ontime5	7740.7999712229	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7740.7999712229	Sum of GTIs [s]
			ontime7	7740.7999712229	Sum of GTIs [s]
			ontime8	7740.7999712229	Sum of GTIs [s]
			ontime9	7740.7999712229	Sum of GTIs [s]
			l1events	742821	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	131233	113584	130682	102563	128700	136059	grade 0 events	14292	7587	12139	6322	14381	12108
rejected events	105671	61519	105738	57114	96311	111691		10%	6%	9%	6%	11%	8%
rejected %	80%	54%	80%	55%	74%	82%	grade 1 events	103	114	63	87	73	55
								0%	0%	0%	0%	0%	0%
							grade 2 events	4500	18767	5152	11177	6597	4835
								3%	16%	3%	10%	5%	3%
							grade 3 events	1811	1667	1647	3607	2636	1706
								1%	1%	1%	3%	2%	1%
							grade 4 events	1719	1540	1604	3738	2605	1671
								1%	1%	1%	3%	2%	1%
							grade 5 events	2714	5158	2663	6384	3287	3040
								2%	4%	2%	6%	2%	2%
							grade 6 events	3277	22597	4449	20672	6209	4093
								2%	19%	3%	20%	4%	3%
							grade 7 events	102817	56154	102965	50576	92912	108551
								78%	49%	78%	49%	72%	79%

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	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	277.0246555428042	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-46.47690421406045	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	20.7770373904367	[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)	519582930.602186	519582929.57719			
Observation start date	2014-06-19T16:35:31	2014-06-19T16:35:29			
[s] Observation end time (MET)	519592401.60271	519592400.57771			
Observation end date	2014-06-19T19:13:22	2014-06-19T19:13:20			
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)	2014.06.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7407999712229

A.2 Comments