

V&V Reference Report

L2 ASCDS Version : 10.2.2

Observation 52681 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 25 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

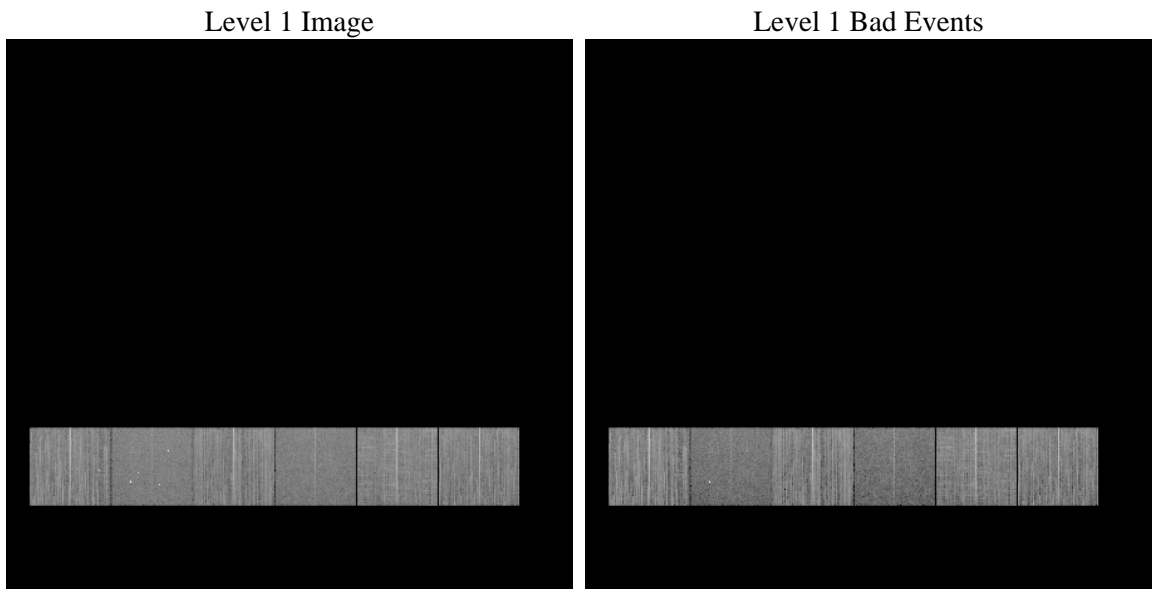
1 Front

seq_num	 	Sequence number
obs_id	52681	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	274.76582501581	Nominal RA [deg]
dec_nom	-6.7438023318972	Nominal Dec [deg]
roll_nom	171.54429740509	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7999.9999702573	Sum of GTIs [s]
livetime	7898.6991536122	Livetime [s]
ontime4	7999.9999702573	Sum of GTIs [s]
ontime5	7999.9999702573	Sum of GTIs [s]
ontime6	7999.9999702573	Sum of GTIs [s]
ontime7	7999.9999702573	Sum of GTIs [s]
ontime8	7999.9999702573	Sum of GTIs [s]
ontime9	7999.9999702573	Sum of GTIs [s]
l2events	191256	Number of level 2 events

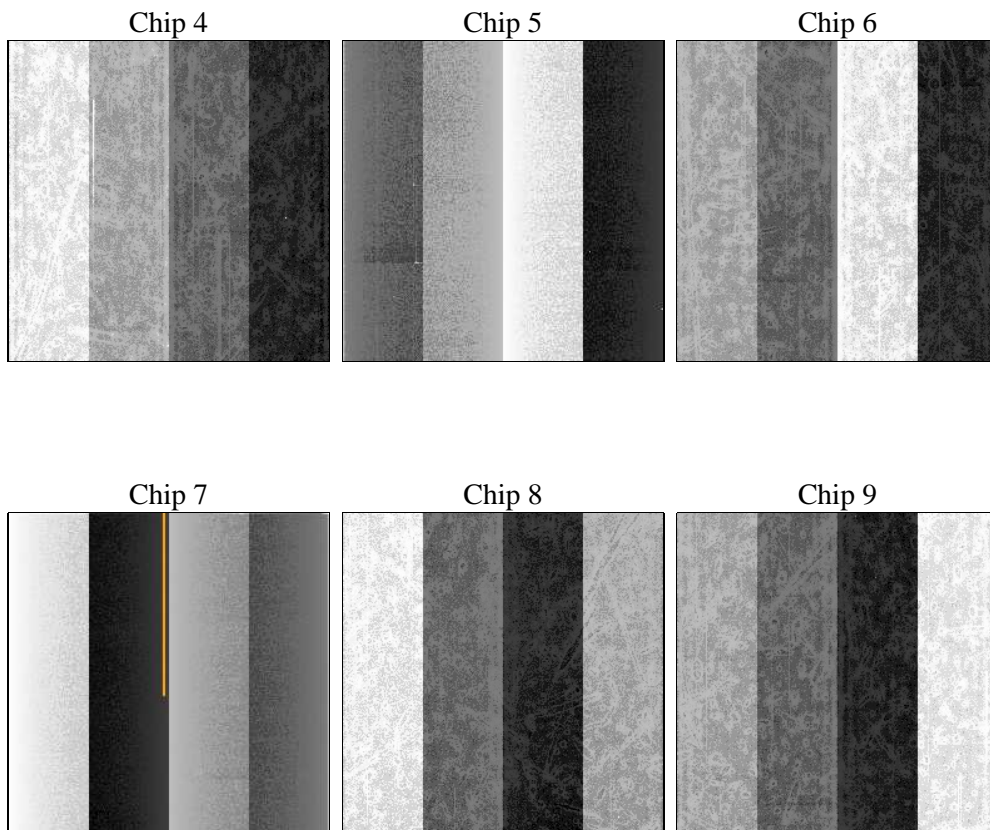
2 OBI

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	7999.9999702573	Sum of GTIs [s]
caldbver	4.6.1	 	ontime4	7999.9999702573	Sum of GTIs [s]
date	2014-06-25T03:59:04	Date and time of file creation	ontime5	7999.9999702573	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7999.9999702573	Sum of GTIs [s]
			ontime7	7999.9999702573	Sum of GTIs [s]
			ontime8	7999.9999702573	Sum of GTIs [s]
			ontime9	7999.9999702573	Sum of GTIs [s]
			l1events	820476	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	150919	125766	144630	111447	149048	138666	grade 0 events	15494	8896	13106	7171	15704	13087
rejected events	123991	70562	118540	62783	114598	113204		10%	7%	9%	6%	10%	9%
rejected %	82%	56%	81%	56%	76%	81%	grade 1 events	110	116	63	74	77	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	5000	19883	5767	12595	7490	5221
								3%	15%	3%	11%	5%	3%
							grade 3 events	1906	2008	1748	4310	2734	1818
								1%	1%	1%	3%	1%	1%
							grade 4 events	1848	1848	1753	4052	2514	1763
								1%	1%	1%	3%	1%	1%
							grade 5 events	2931	6721	2893	7068	3838	3310
								1%	5%	2%	6%	2%	2%
							grade 6 events	3655	24521	4686	22290	7208	4478
								2%	19%	3%	20%	4%	3%
							grade 7 events	119975	61773	114614	53887	109483	108917
								79%	49%	79%	48%	73%	78%

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	274.7658250158075	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-6.74380233189722	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	171.5442974050876	[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)	520003838.675471	520003838.675471			
Observation start date	2014-06-24T13:30:39	2014-06-24T13:30:38			
[s] Observation end time (MET)	520013387.318899	520013387.318899			
Observation end date	2014-06-24T16:09:47	2014-06-24T16:09:47			
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)	2014.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.9999999702573

A.2 Comments