

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52645 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 11 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

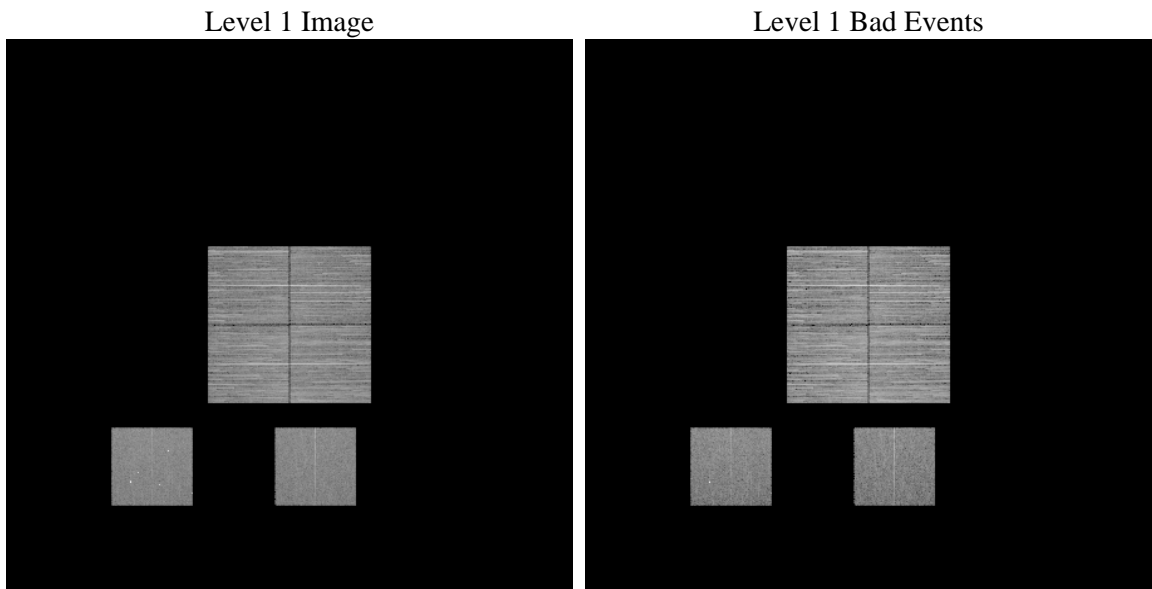
1 Front

seq_num	 	Sequence number
obs_id	52645	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	127.98020681186	Nominal RA [deg]
dec_nom	-23.01323808156	Nominal Dec [deg]
roll_nom	202.73403822628	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8284.7999691963	Sum of GTIs [s]
livetime	8179.8928434787	Livetime [s]
ontime0	8194.0541741848	Sum of GTIs [s]
ontime1	8197.2952141762	Sum of GTIs [s]
ontime2	8187.568998158	Sum of GTIs [s]
ontime3	8171.3670434952	Sum of GTIs [s]
ontime5	8284.7999691963	Sum of GTIs [s]
ontime7	8284.7999691963	Sum of GTIs [s]
l2events	195982	Number of level 2 events

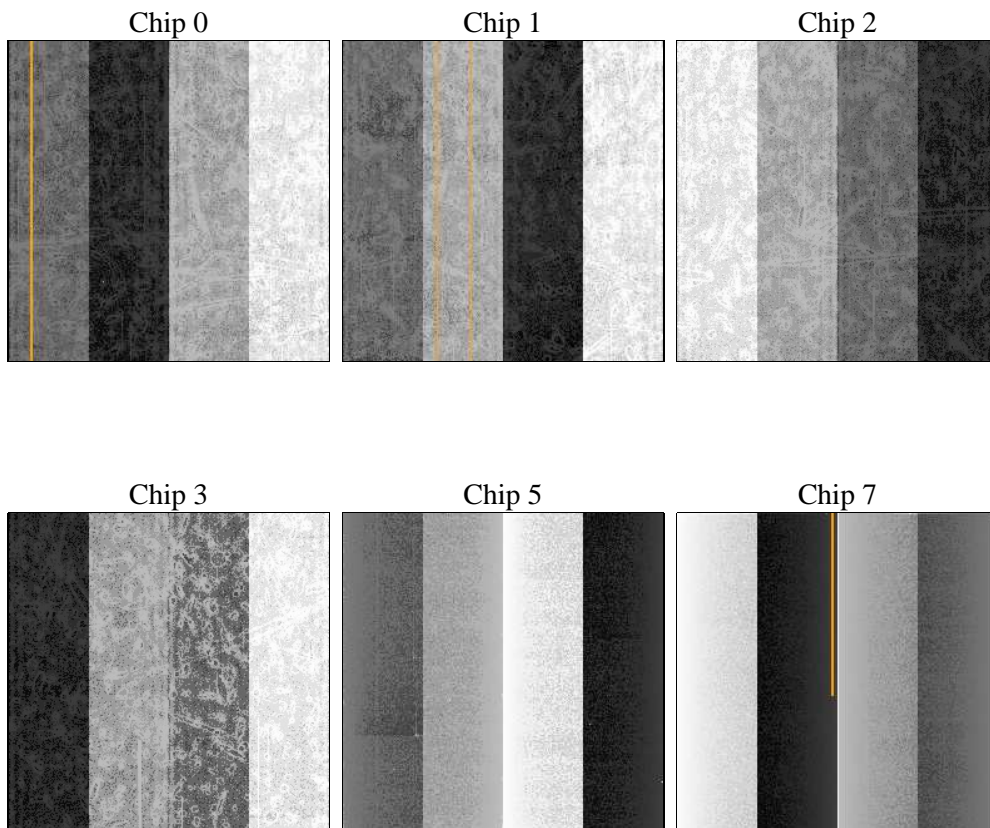
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	8284.7999691963	Sum of GTIs [s]
caldsver	4.6.2	 	ontime0	8194.0541741848	Sum of GTIs [s]
date	2014-07-11T08:53:32	Date and time of file creation	ontime1	8197.2952141762	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8187.568998158	Sum of GTIs [s]
			ontime3	8171.3670434952	Sum of GTIs [s]
			ontime5	8284.7999691963	Sum of GTIs [s]
			ontime7	8284.7999691963	Sum of GTIs [s]
			l1events	811672	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	136937	133087	150630	150440	125520	115058	grade 0 events	12820	12513	13128	13396	7602	6784
rejected events	111415	107557	125215	124812	68274	64168		9%	9%	8%	8%	6%	5%
rejected %	81%	80%	83%	82%	54%	55%	grade 1 events	71	58	86	73	170	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	5197	5386	4939	4837	20733	12487
								3%	4%	3%	3%	16%	10%
							grade 3 events	1758	1719	1773	1766	1893	4116
								1%	1%	1%	1%	1%	3%
							grade 4 events	1752	1719	1767	1807	1843	3987
								1%	1%	1%	1%	1%	3%
							grade 5 events	2674	2661	2538	2855	5715	7010
								1%	1%	1%	1%	4%	6%
							grade 6 events	4006	4207	3817	3832	25199	23531
								2%	3%	2%	2%	20%	20%
							grade 7 events	108659	104824	122582	121874	62365	57054
								79%	78%	81%	81%	49%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	127.9802068118601	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-23.01323808155998	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	202.7340382262828	[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)	521409222.403257	521409221.37826			
Observation start date	2014-07-10T19:53:42	2014-07-10T19:53:41			
[s] Observation end time (MET)	521422250.153979	521422249.12898			
Observation end date	2014-07-10T23:30:50	2014-07-10T23:30:49			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2847999691963

A.2 Comments