

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51700 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 9 2015

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

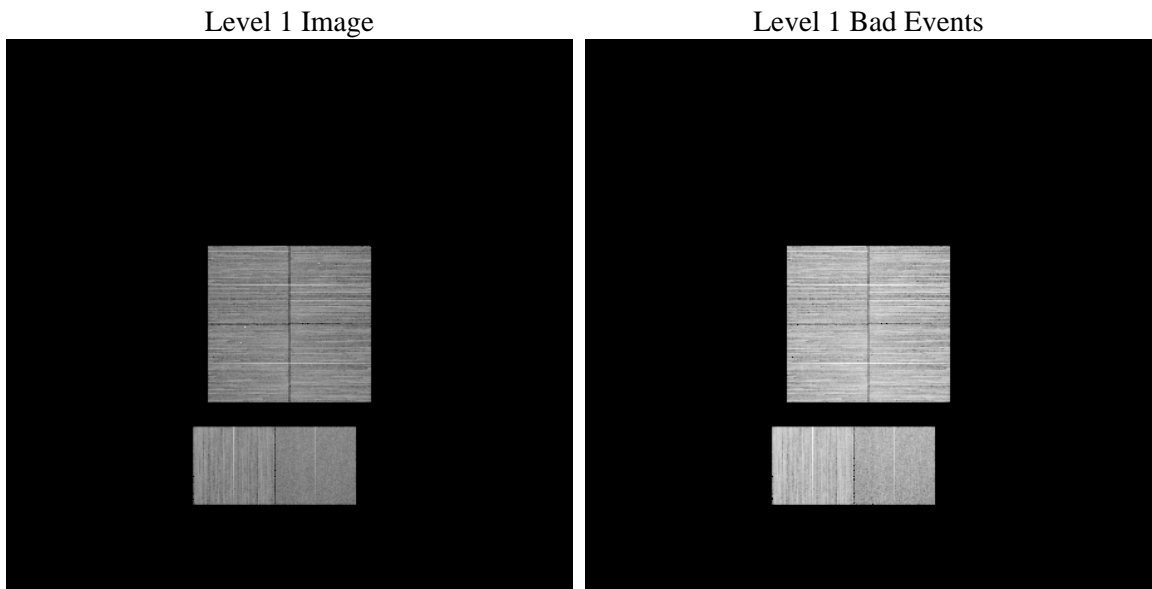
1 Front

seq_num	 	Sequence number
obs_id	51700	Observation id
title	ACIS-012367 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	276.91431289186	Nominal RA [deg]
dec_nom	-17.325356038348	Nominal Dec [deg]
roll_nom	265.45376294935	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8133.8268778324	Sum of GTIs [s]
livetime	8030.8314643027	Livetime [s]
ontime0	8133.7858377695	Sum of GTIs [s]
ontime1	8133.7447978258	Sum of GTIs [s]
ontime2	8133.7037577629	Sum of GTIs [s]
ontime3	8133.8679177761	Sum of GTIs [s]
ontime6	8133.6627178192	Sum of GTIs [s]
ontime7	8133.8268778324	Sum of GTIs [s]
l2events	143915	Number of level 2 events

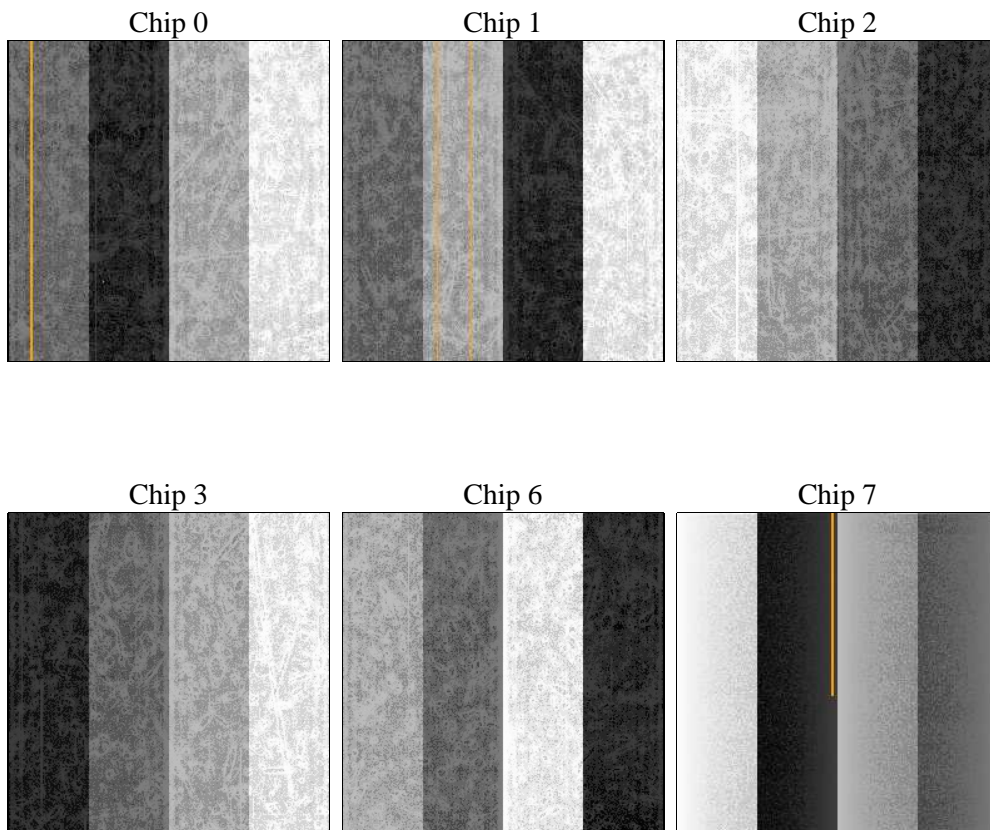
2 OBI

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	10.4.1	Processing system revision	ontime	8133.8268778324	Sum of GTIs [s]
caldbver	4.6.8	 	ontime0	8133.7858377695	Sum of GTIs [s]
date	2015-08-09T06:13:04	Date and time of file creation	ontime1	8133.7447978258	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8133.7037577629	Sum of GTIs [s]
			ontime3	8133.8679177761	Sum of GTIs [s]
			ontime6	8133.6627178192	Sum of GTIs [s]
			ontime7	8133.8268778324	Sum of GTIs [s]
			l1events	897493	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	141749	153112	158521	158958	163630	121523	grade 0 events	10114	9705	13551	10701	9709	5681
rejected events	120610	131534	134889	137675	142283	74274		7%	6%	8%	6%	5%	4%
rejected %	85%	85%	85%	86%	86%	61%	grade 1 events	56	47	96	69	41	69
								0%	0%	0%	0%	0%	0%
							grade 2 events	4713	5436	4304	4493	5109	12031
								3%	3%	2%	2%	3%	9%
							grade 3 events	1584	1421	1453	1592	1405	3588
								1%	0%	0%	1%	0%	2%
							grade 4 events	1452	1397	1501	1522	1416	3437
								1%	0%	0%	0%	0%	2%
							grade 5 events	2806	2794	2759	3166	3117	7481
								1%	1%	1%	1%	1%	6%
							grade 6 events	3686	4045	3313	3419	4105	23339
								2%	2%	2%	2%	2%	19%
							grade 7 events	117338	128267	131544	133996	138728	65897
								82%	83%	82%	84%	84%	54%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	276.9143128918599	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-17.32535603834754	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	265.4537629493479	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119			
[mm] SIM defocus	0.8505140384245534	0.8505140384245534			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	555419288.05214	555419288.05214			
Observation start date	2015-08-08T11:08:08	2015-08-08T11:08:08			
[s] Observation end time (MET)	555428834.917478	555428834.917478			
Observation end date	2015-08-08T13:47:15	2015-08-08T13:47:14			
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)	2015.08.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1338268778324

A.2 Comments