

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51742 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 18 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

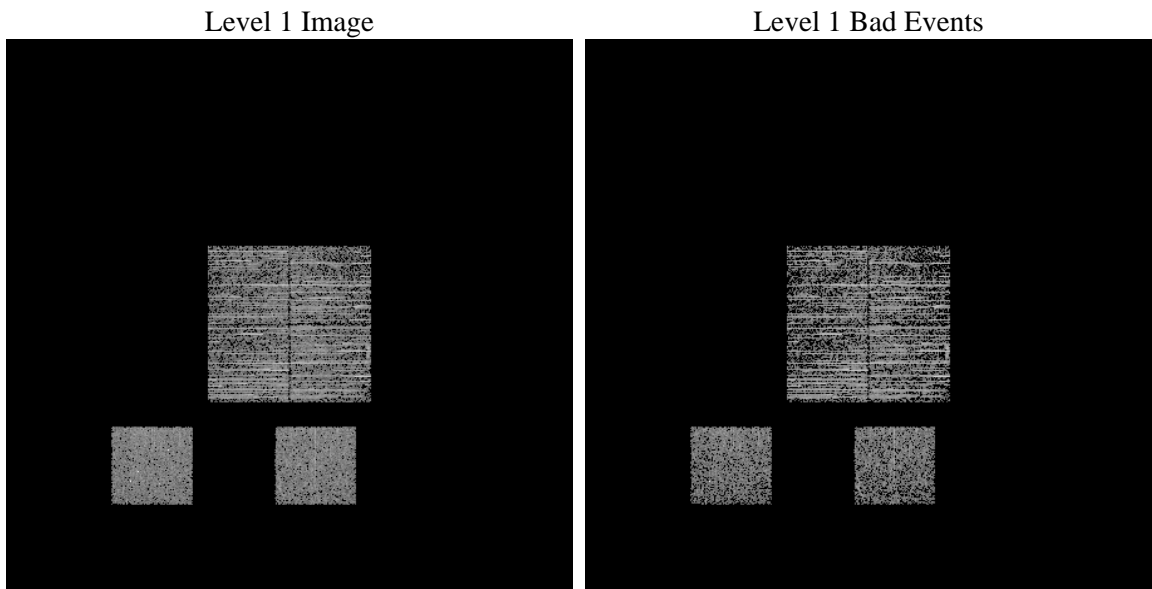
1 Front

seq_num	 	Sequence number
obs_id	51742	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	319.0028894066	Nominal RA [deg]
dec_nom	-38.971189964319	Nominal Dec [deg]
roll_nom	52.775686566241	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1084.1845911741	Sum of GTIs [s]
livetime	1070.4559930631	Livetime [s]
ontime0	1084.1435511112	Sum of GTIs [s]
ontime1	1084.1025111675	Sum of GTIs [s]
ontime2	1084.0614711046	Sum of GTIs [s]
ontime3	1084.2256311178	Sum of GTIs [s]
ontime5	1084.0204311609	Sum of GTIs [s]
ontime7	1084.1845911741	Sum of GTIs [s]
l2events	24074	Number of level 2 events

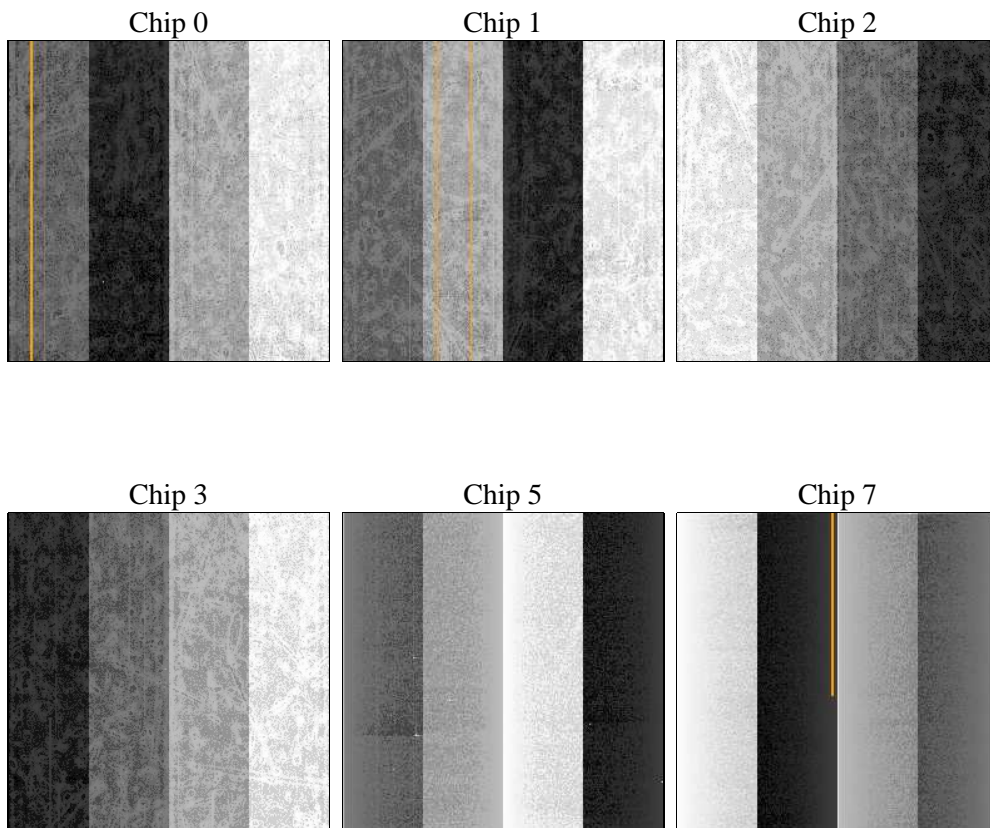
2 OBI

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	1084.1845911741	Sum of GTIs [s]
caldbver	4.6.8	 	ontime0	1084.1435511112	Sum of GTIs [s]
date	2015-07-19T00:36:49	Date and time of file creation	ontime1	1084.1025111675	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	1084.0614711046	Sum of GTIs [s]
			ontime3	1084.2256311178	Sum of GTIs [s]
			ontime5	1084.0204311609	Sum of GTIs [s]
			ontime7	1084.1845911741	Sum of GTIs [s]
			l1events	105484	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	16126	17328	19704	19381	17290	15655
rejected events	13115	14143	16696	16338	9681	9280
rejected %	81%	81%	84%	84%	55%	59%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
grade 0 events	1420	1544	1511	1523	1175	800
	8%	8%	7%	7%	6%	5%
grade 1 events	8	5	14	8	16	11
	0%	0%	0%	0%	0%	0%
grade 2 events	656	697	628	621	2583	1541
	4%	4%	3%	3%	14%	9%
grade 3 events	210	186	194	209	231	486
	1%	1%	0%	1%	1%	3%
grade 4 events	169	223	200	220	234	529
	1%	1%	1%	1%	1%	3%
grade 5 events	387	388	343	431	837	1004
	2%	2%	1%	2%	4%	6%
grade 6 events	556	540	487	470	3410	3019
	3%	3%	2%	2%	19%	19%
grade 7 events	12720	13745	16327	15899	8804	8265
	78%	79%	82%	82%	50%	52%

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	319.0028894065962	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-38.97118996431903	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	52.77568656624072	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	553589240.649183	553589239.62418			
Observation start date	2015-07-18T06:47:21	2015-07-18T06:47:19			
[s] Observation end time (MET)	553598510.749705	553598509.7247			
Observation end date	2015-07-18T09:21:51	2015-07-18T09:21:49			
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)	2015.07.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.0841845911741

A.2 Comments