

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51421 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 11 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

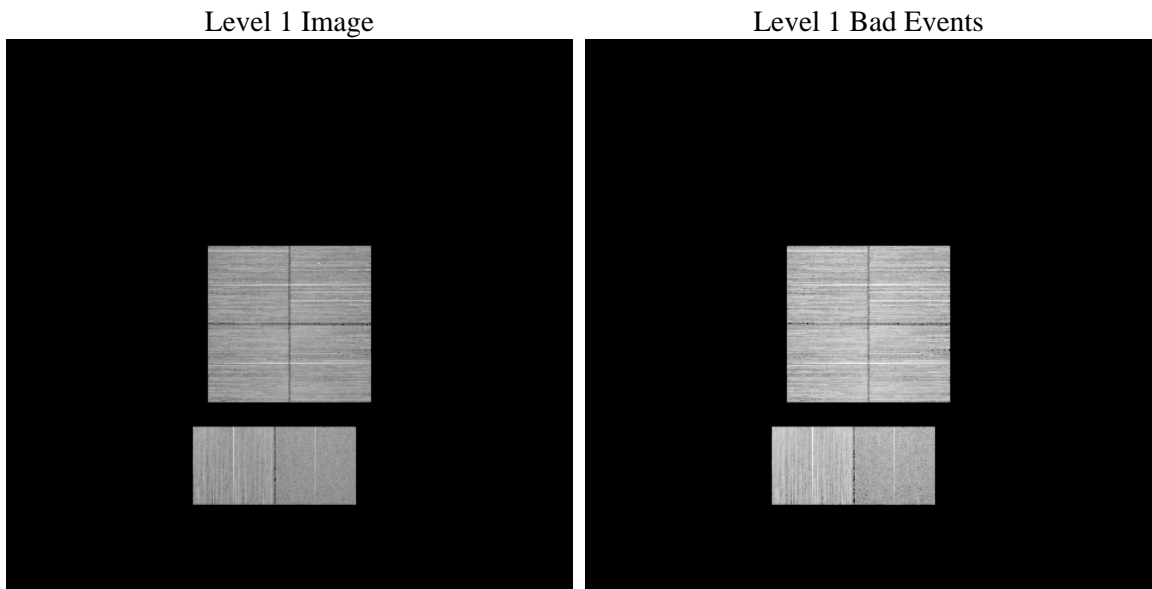
1 Front

seq_num	 	Sequence number
obs_id	51421	Observation id
title	ACIS-012367 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	251.57422389752	Nominal RA [deg]
dec_nom	-71.002624834795	Nominal Dec [deg]
roll_nom	172.5967939676	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8419.2001254559	Sum of GTIs [s]
livetime	8312.5911440336	Livetime [s]
ontime0	8419.2001254559	Sum of GTIs [s]
ontime1	8419.2001254559	Sum of GTIs [s]
ontime2	8419.2001254559	Sum of GTIs [s]
ontime3	8419.2001254559	Sum of GTIs [s]
ontime6	8419.2001254559	Sum of GTIs [s]
ontime7	8419.2001254559	Sum of GTIs [s]
l2events	172204	Number of level 2 events

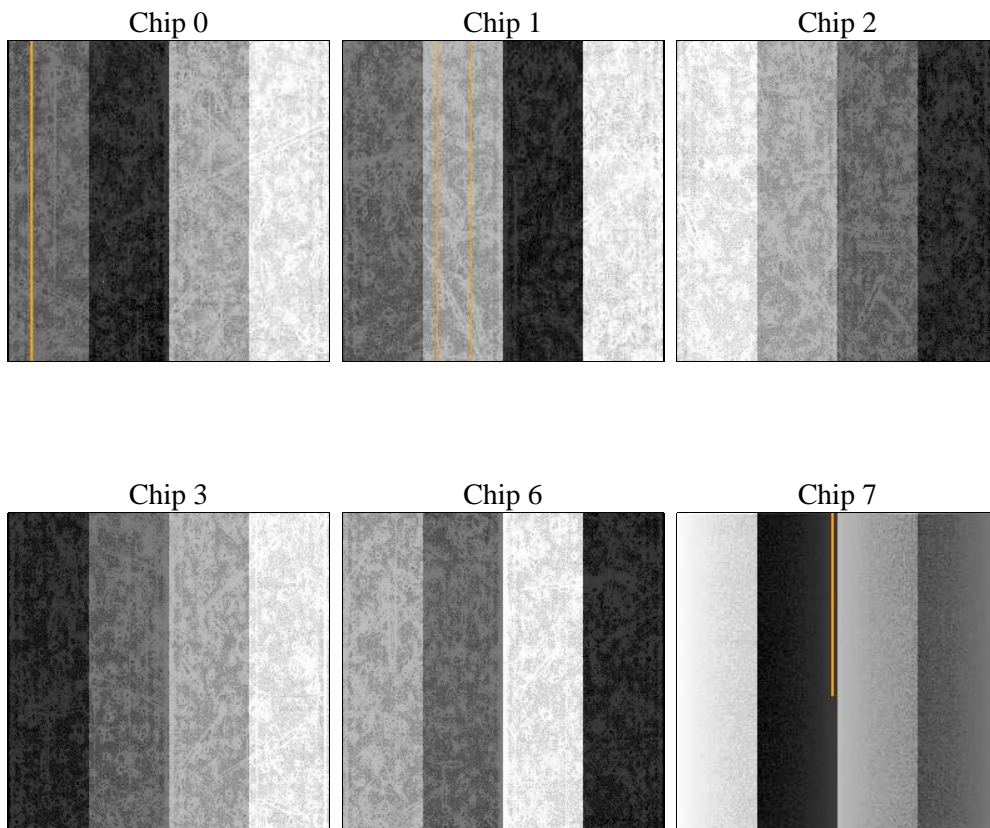
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	8419.2001254559	Sum of GTIs [s]
caldbver	4.6.10a	 	ontime0	8419.2001254559	Sum of GTIs [s]
date	2015-12-11T21:27:00	Date and time of file creation	ontime1	8419.2001254559	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8419.2001254559	Sum of GTIs [s]
			ontime3	8419.2001254559	Sum of GTIs [s]
			ontime6	8419.2001254559	Sum of GTIs [s]
			ontime7	8419.2001254559	Sum of GTIs [s]
			l1events	972657	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	163870	171930	169487	173010	165557	128803	grade 0 events	11758	11606	12338	12353	10519	5869
rejected events	137727	144431	143857	146753	139013	76829		7%	6%	7%	7%	6%	4%
rejected %	84%	84%	84%	84%	83%	59%	grade 1 events	60	66	68	75	54	106
								0%	0%	0%	0%	0%	0%
							grade 2 events	6416	7757	5681	5829	7649	13163
								3%	4%	3%	3%	4%	10%
							grade 3 events	1587	1493	1723	1778	1437	3553
								0%	0%	1%	1%	0%	2%
							grade 4 events	1609	1442	1637	1761	1476	3363
								0%	0%	0%	1%	0%	2%
							grade 5 events	2726	2779	2785	3326	2994	7221
								1%	1%	1%	1%	1%	5%
							grade 6 events	4854	5297	4337	4624	5560	26209
								2%	3%	2%	2%	3%	20%
							grade 7 events	134860	141490	140918	143264	135868	69319
								82%	82%	83%	82%	82%	53%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	251.5742238975232
[deg] Pointing Dec	0	-71.00262483479462
[deg] Pointing Roll	0.0	172.5967939676045
[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)	566202301.750742	566202300.72574
Observation start date	2015-12-11T06:25:02	2015-12-11T06:25:00
[s] Observation end time (MET)	566212416.451315	566212415.4263099
Observation end date	2015-12-11T09:13:36	2015-12-11T09:13:35
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.12.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4192001254559

A.2 Comments