

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51449 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 6 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

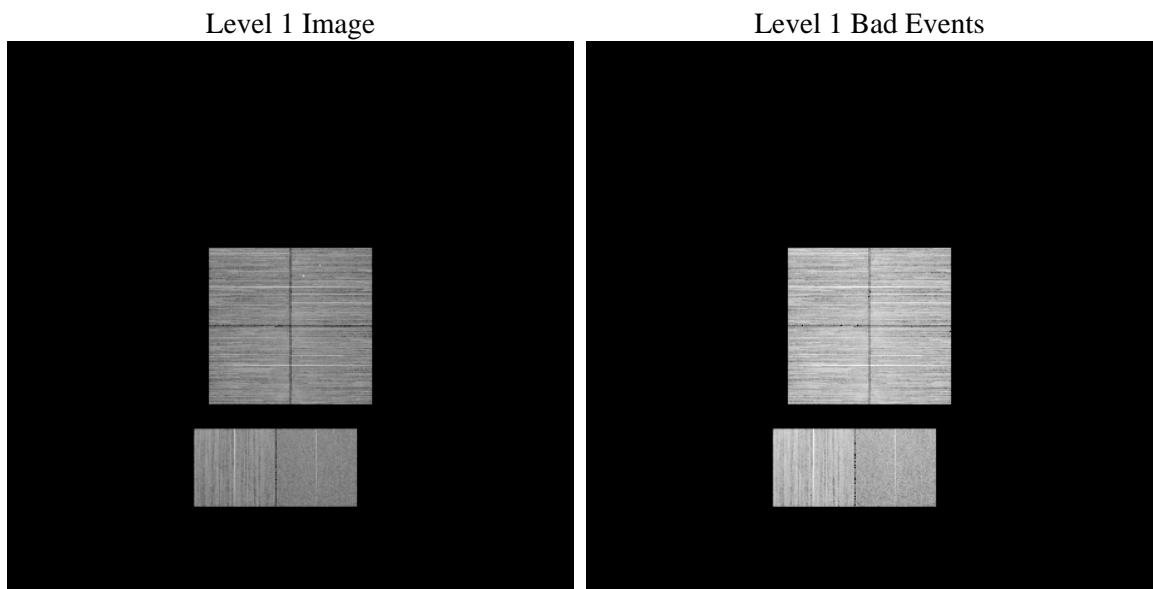
1 Front

seq_num	 	Sequence number
obs_id	51449	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	352.76685730301	Nominal RA [deg]
dec_nom	-11.940894958486	Nominal Dec [deg]
roll_nom	286.27882979098	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8127.9188971519	Sum of GTIs [s]
livetime	8024.998294031	Livetime [s]
ontime0	8127.877857089	Sum of GTIs [s]
ontime1	8127.8368171453	Sum of GTIs [s]
ontime2	8127.7957770824	Sum of GTIs [s]
ontime3	8127.9599370956	Sum of GTIs [s]
ontime6	8127.7547371387	Sum of GTIs [s]
ontime7	8127.9188971519	Sum of GTIs [s]
l2events	141430	Number of level 2 events

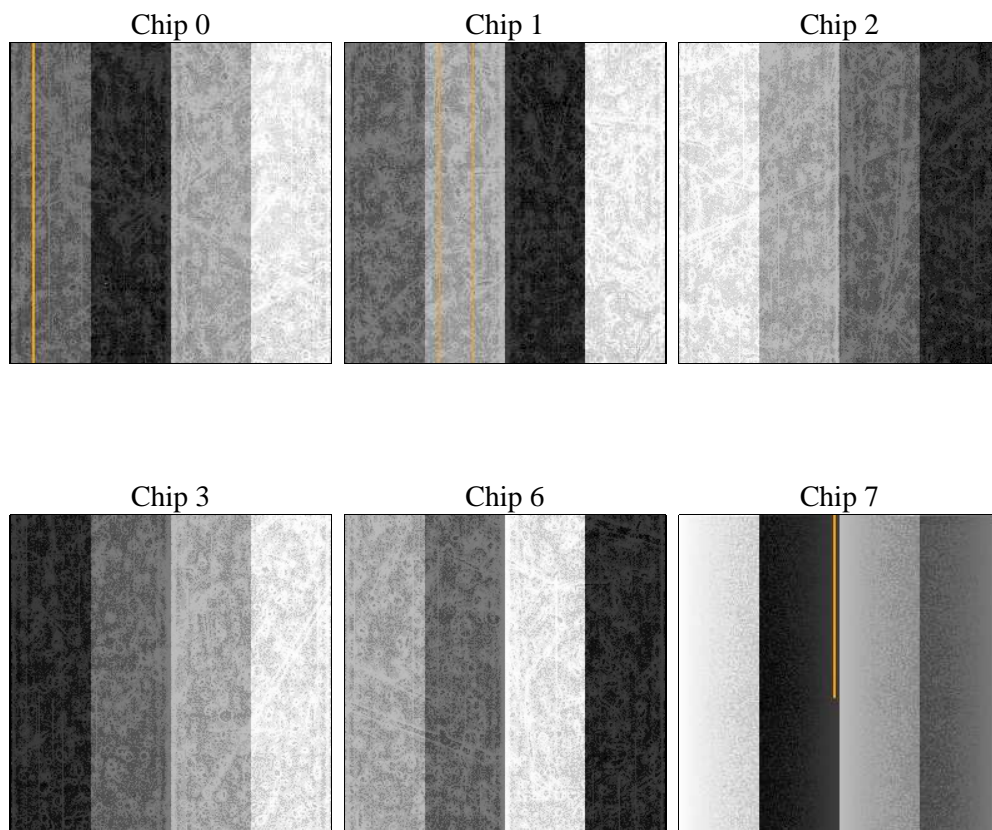
2 OBI

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	10.4.2.1	Processing system revision	ontime	8127.9188971519	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	8127.877857089	Sum of GTIs [s]
date	2015-12-06T06:50:45	Date and time of file creation	ontime1	8127.8368171453	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8127.7957770824	Sum of GTIs [s]
			ontime3	8127.9599370956	Sum of GTIs [s]
			ontime6	8127.7547371387	Sum of GTIs [s]
			ontime7	8127.9188971519	Sum of GTIs [s]
			l1events	984280	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	164664	175019	179741	171627	166452	126777	grade 0 events	9514	11876	9971	9996	9094	5328
rejected events	144458	151319	159751	151255	145733	78158		5%	6%	5%	5%	5%	4%
rejected %	87%	86%	88%	88%	87%	61%	grade 1 events	70	42	73	46	64	97
								0%	0%	0%	0%	0%	0%
							grade 2 events	4629	5622	4402	4436	5264	12271
								2%	3%	2%	2%	3%	9%
							grade 3 events	1442	1363	1396	1457	1328	3523
								0%	0%	0%	0%	0%	2%
							grade 4 events	1366	1384	1431	1520	1310	3441
								0%	0%	0%	0%	0%	2%
							grade 5 events	2978	2948	2825	3404	3070	7587
								1%	1%	1%	1%	1%	5%
							grade 6 events	3650	3893	3250	3330	4131	24982
								2%	2%	1%	1%	2%	19%
							grade 7 events	141015	147891	156393	147438	142191	69548
								85%	84%	87%	85%	85%	54%

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	352.766857303014
[deg] Pointing Dec	0	-11.9408949584856
[deg] Pointing Roll	0.0	286.2788297909846
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)	565699914.372279	565699914.372279
Observation start date	2015-12-05T10:51:54	2015-12-05T10:51:54
[s] Observation end time (MET)	565709256.164158	565709256.164158
Observation end date	2015-12-05T13:27:36	2015-12-05T13:27:36
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1279188971519

A.2 Comments