

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 51322 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 20 2016

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

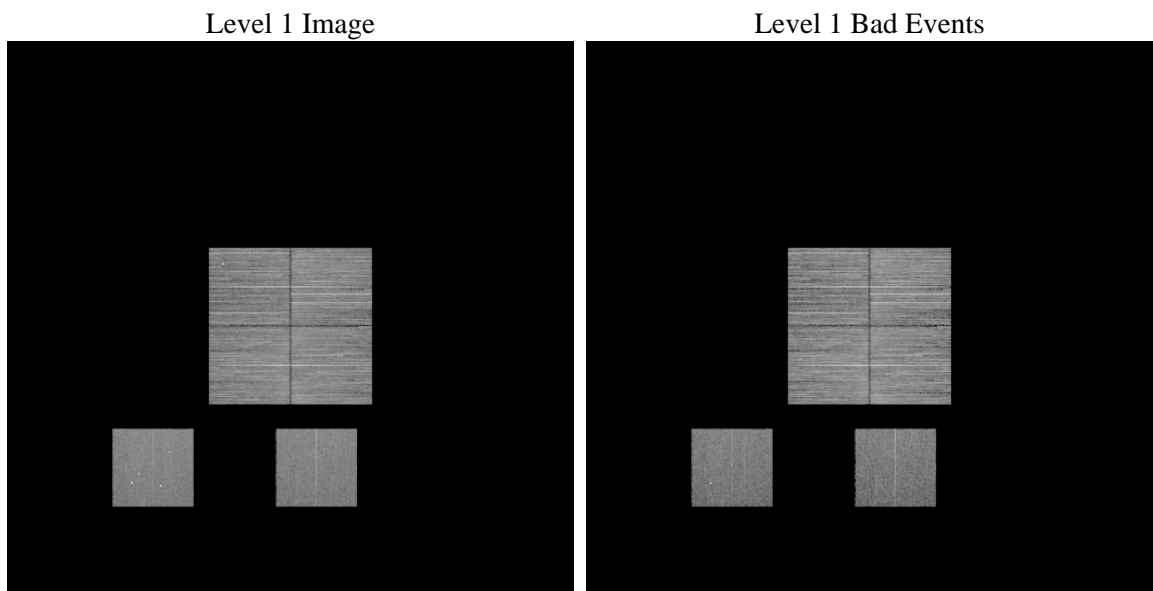
1 Front

seq_num	 	Sequence number
obs_id	51322	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	110.28517981312	Nominal RA [deg]
dec_nom	-2.8538112425475	Nominal Dec [deg]
roll_nom	335.77620126661	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8275.2001233101	Sum of GTIs [s]
livetime	8170.4145566214	Livetime [s]
ontime0	8155.2797062397	Sum of GTIs [s]
ontime1	8152.0386561155	Sum of GTIs [s]
ontime2	8135.8333553076	Sum of GTIs [s]
ontime3	8142.3155261278	Sum of GTIs [s]
ontime5	8275.2001233101	Sum of GTIs [s]
ontime7	8275.2001233101	Sum of GTIs [s]
l2events	172918	Number of level 2 events

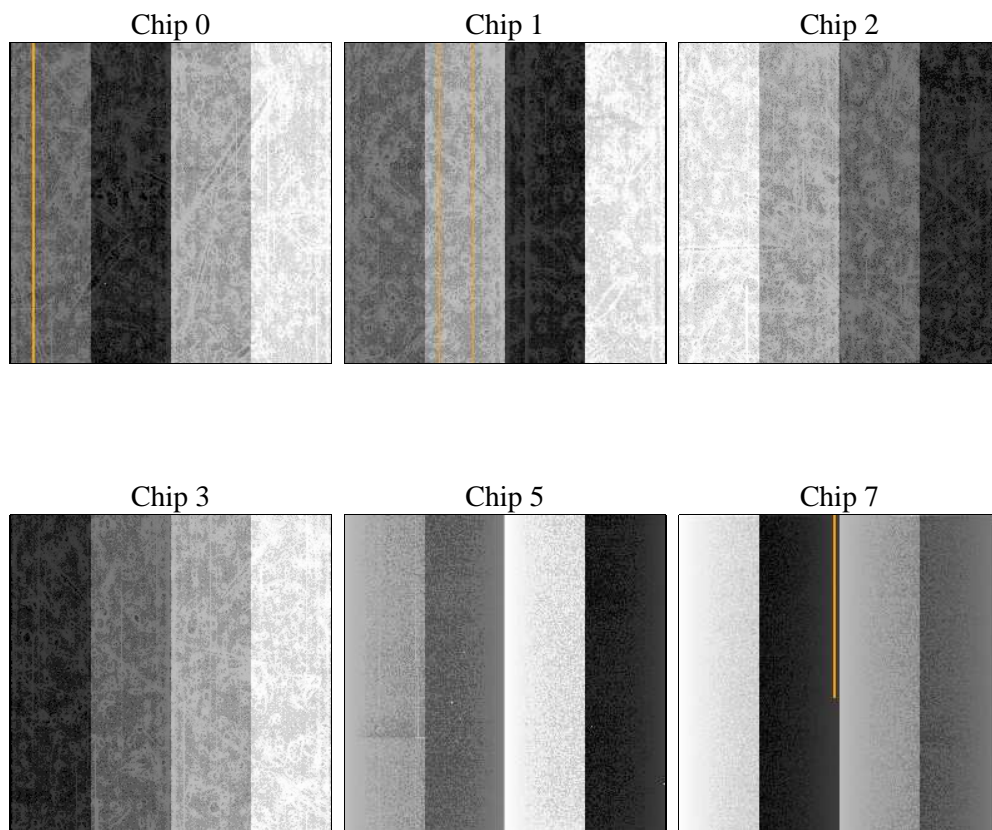
2 OBI

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	10.4.3	Processing system revision	ontime	8275.2001233101	Sum of GTIs [s]
caldsver	4.7.0	 	ontime0	8155.2797062397	Sum of GTIs [s]
date	2016-01-20T12:06:25	Date and time of file creation	ontime1	8152.0386561155	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8135.8333553076	Sum of GTIs [s]
			ontime3	8142.3155261278	Sum of GTIs [s]
			ontime5	8275.2001233101	Sum of GTIs [s]
			ontime7	8275.2001233101	Sum of GTIs [s]
			l1events	909497	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	146257	170856	162850	168322	136410	124802	grade 0 events	11848	8688	9481	9761	6816	5221
rejected events	123820	150617	143184	148051	79365	75818		8%	5%	5%	5%	4%	4%
rejected %	84%	88%	87%	87%	58%	60%	grade 1 events	66	54	51	64	158	98
								0%	0%	0%	0%	0%	0%
							grade 2 events	4474	5197	4191	4277	19563	12225
								3%	3%	2%	2%	14%	9%
							grade 3 events	1330	1299	1461	1451	1463	3353
								0%	0%	0%	0%	1%	2%
							grade 4 events	1355	1302	1452	1493	1458	3335
								0%	0%	0%	0%	1%	2%
							grade 5 events	2968	2864	2896	3206	5903	7447
								2%	1%	1%	1%	4%	5%
							grade 6 events	3430	3753	3081	3289	27745	24850
								2%	2%	1%	1%	20%	19%
							grade 7 events	120786	147699	140237	144781	73304	68273
								82%	86%	86%	86%	53%	54%

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	110.2851798131159	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-2.853811242547499	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	335.7762012666112	[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)	569625660.495036	569625659.47004			
Observation start date	2016-01-19T21:21:00	2016-01-19T21:20:59			
[s] Observation end time (MET)	569637942.0457129	569637941.02071			
Observation end date	2016-01-20T00:45:42	2016-01-20T00:45:41			
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)	2016.01.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2752001233101

A.2 Comments