

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51303 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 27 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

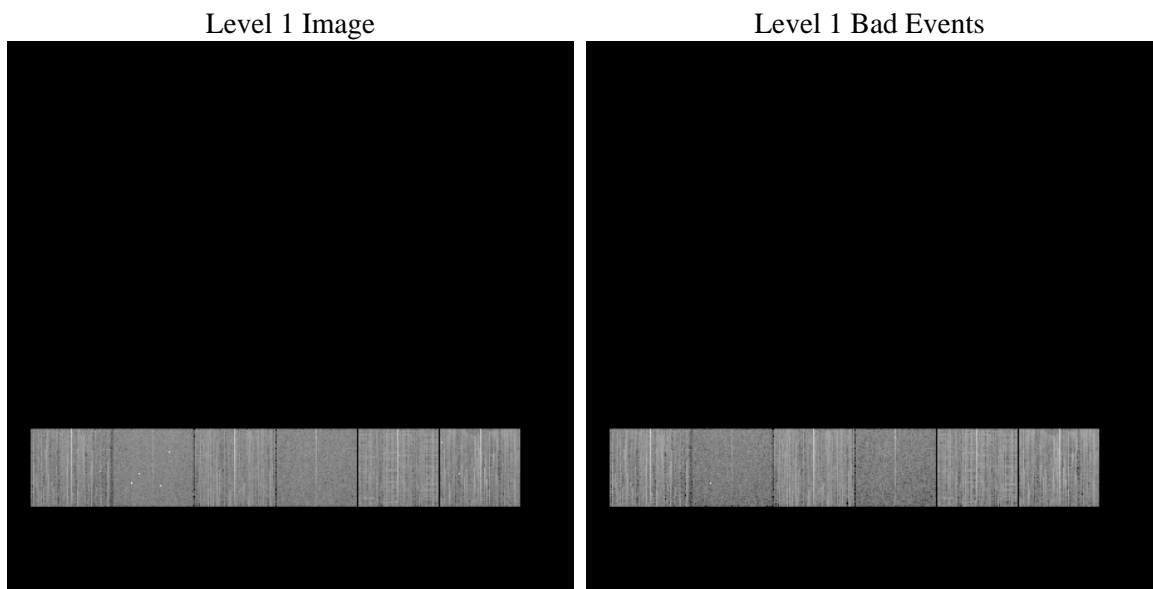
1 Front

seq_num	 	Sequence number
obs_id	51303	Observation id
title	ACIS-456789 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	146.0639096901	Nominal RA [deg]
dec_nom	36.691665836287	Nominal Dec [deg]
roll_nom	135.85916220498	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5488.0000817776	Sum of GTIs [s]
livetime	5418.5077202652	Livetime [s]
ontime4	5488.0000817776	Sum of GTIs [s]
ontime5	5488.0000817776	Sum of GTIs [s]
ontime6	5488.0000817776	Sum of GTIs [s]
ontime7	5488.0000817776	Sum of GTIs [s]
ontime8	5488.0000817776	Sum of GTIs [s]
ontime9	5488.0000817776	Sum of GTIs [s]
l2events	122206	Number of level 2 events

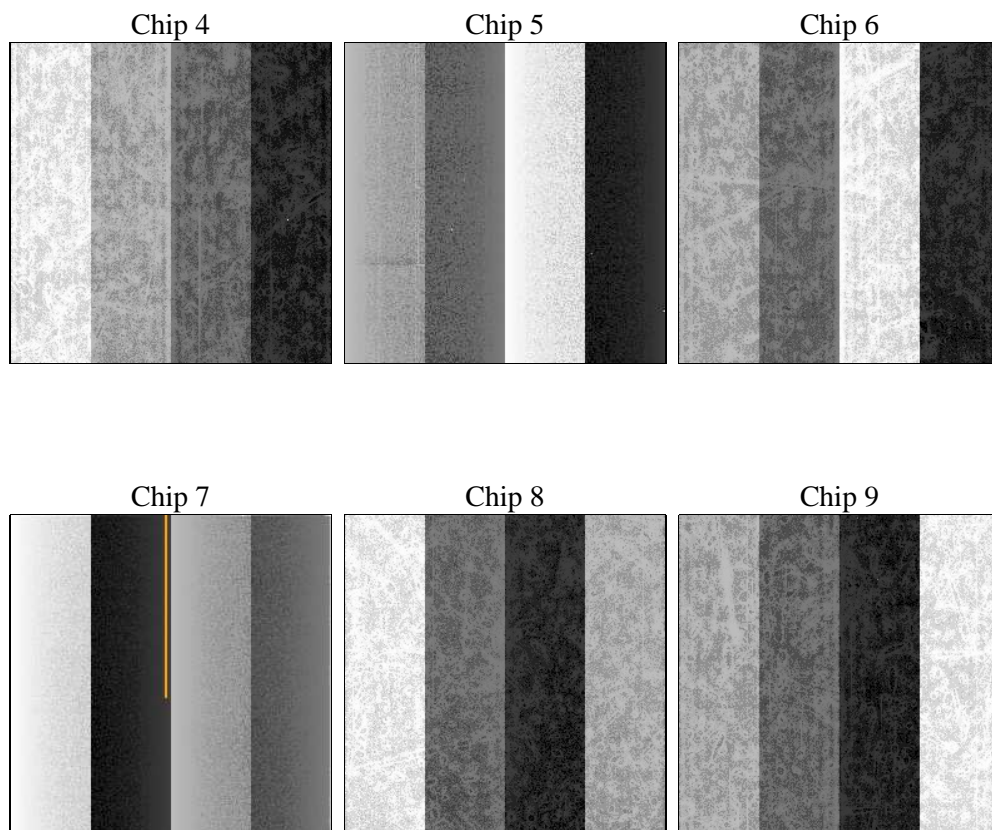
2 OBI

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	10.4.3.1	Processing system revision	ontime	5488.0000817776	Sum of GTIs [s]
caldsver	4.7.0	 	ontime4	5488.0000817776	Sum of GTIs [s]
date	2016-01-27T15:56:45	Date and time of file creation	ontime5	5488.0000817776	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5488.0000817776	Sum of GTIs [s]
			ontime7	5488.0000817776	Sum of GTIs [s]
			ontime8	5488.0000817776	Sum of GTIs [s]
			ontime9	5488.0000817776	Sum of GTIs [s]
			l1events	707880	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	117538	105846	127325	94046	133055	130070	grade 0 events	7597	7051	6318	3681	9007	8146
rejected events	103142	62571	113078	60175	110689	113030		6%	6%	4%	3%	6%	6%
rejected %	87%	59%	88%	63%	83%	86%	grade 1 events	59	130	36	72	73	57
								0%	0%	0%	0%	0%	0%
							grade 2 events	2993	14505	3567	8823	5258	4747
								2%	13%	2%	9%	3%	3%
							grade 3 events	1085	1189	973	2463	1929	1021
								0%	1%	0%	2%	1%	0%
							grade 4 events	1073	1105	960	2469	1836	988
								0%	1%	0%	2%	1%	0%
							grade 5 events	2478	4904	2352	5753	3231	2688
								2%	4%	1%	6%	2%	2%
							grade 6 events	2124	20781	2938	17617	5079	2688
								1%	19%	2%	18%	3%	2%
							grade 7 events	100129	56181	110181	53168	106642	109735
								85%	53%	86%	56%	80%	84%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	146.0639096901009
[deg] Pointing Dec	0	36.69166583628733
[deg] Pointing Roll	0.0	135.859162204978
SIM focus pos (mm)	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	570271324.431677	570271324.431677
Observation start date	2016-01-27T08:42:04	2016-01-27T08:42:04
[s] Observation end time (MET)	570278289.589803	570278289.589803
Observation end date	2016-01-27T10:38:10	2016-01-27T10:38:09
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.01.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.4880000817776

A.2 Comments