

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 51327 - 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

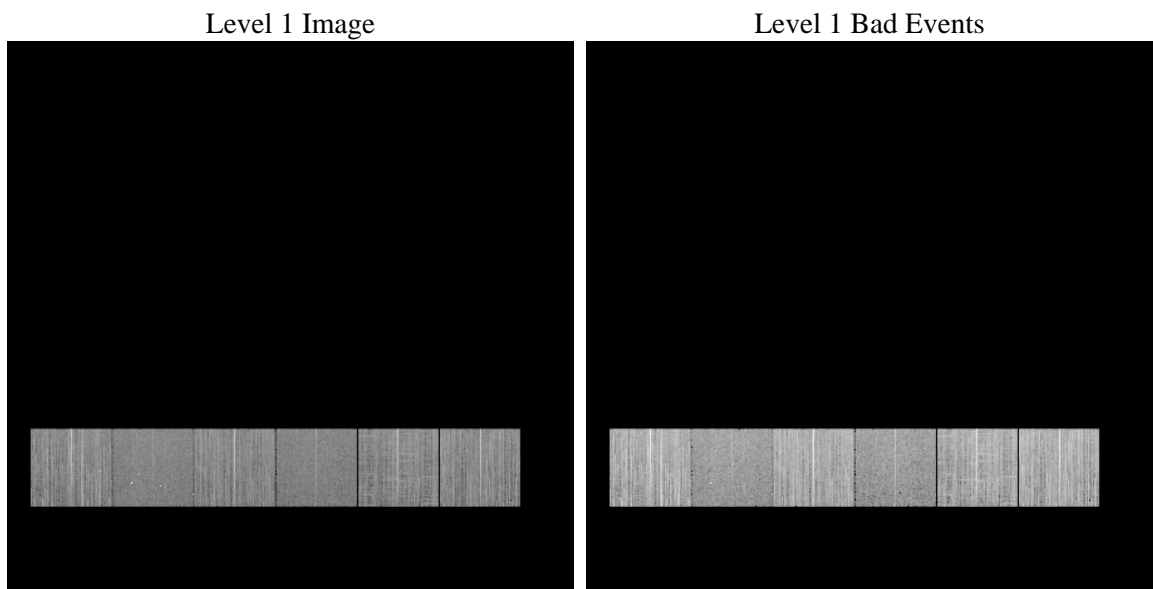
1 Front

seq_num	 	Sequence number
obs_id	51327	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	60.08492554385	Nominal RA [deg]
dec_nom	-4.1071045746642	Nominal Dec [deg]
roll_nom	295.12587410765	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6066.9872465134	Sum of GTIs [s]
livetime	5990.1634008969	Livetime [s]
ontime4	6066.8641264439	Sum of GTIs [s]
ontime5	6066.9462064505	Sum of GTIs [s]
ontime6	6066.9051665068	Sum of GTIs [s]
ontime7	6066.9872465134	Sum of GTIs [s]
ontime8	6066.8230865002	Sum of GTIs [s]
ontime9	6067.0282864571	Sum of GTIs [s]
l2events	127957	Number of level 2 events

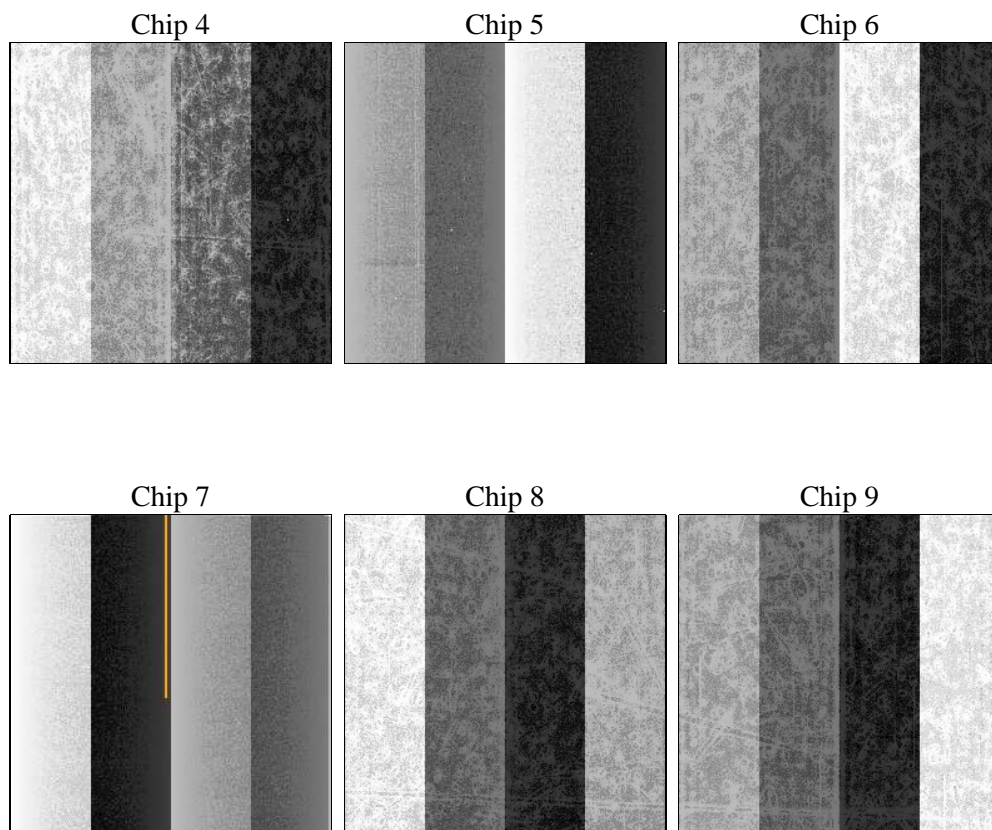
2 OBI

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	6066.9872465134	Sum of GTIs [s]
caldsver	4.7.0	 	ontime4	6066.8641264439	Sum of GTIs [s]
date	2016-01-20T05:47:33	Date and time of file creation	ontime5	6066.9462064505	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	6066.9051665068	Sum of GTIs [s]
			ontime7	6066.9872465134	Sum of GTIs [s]
			ontime8	6066.8230865002	Sum of GTIs [s]
			ontime9	6067.0282864571	Sum of GTIs [s]
			l1events	723091	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	133617	105375	125365	95033	126857	136844	grade 0 events	8316	5819	6549	3868	9444	6789
rejected events	118069	61672	110316	59168	103839	122198		6%	5%	5%	4%	7%	4%
rejected %	88%	58%	87%	62%	81%	89%	grade 1 events	84	583	29	64	49	42
								0%	0%	0%	0%	0%	0%
							grade 2 events	3219	15445	3998	9201	5465	3287
								2%	14%	3%	9%	4%	2%
							grade 3 events	1105	1291	984	2622	1921	1095
								0%	1%	0%	2%	1%	0%
							grade 4 events	1181	1174	923	2575	1811	1096
								0%	1%	0%	2%	1%	0%
							grade 5 events	2526	4392	2305	5750	3285	2762
								1%	4%	1%	6%	2%	2%
							grade 6 events	2198	21190	3024	18625	5131	2832
								1%	20%	2%	19%	4%	2%
							grade 7 events	114988	55481	107553	52328	99751	118941
								86%	52%	85%	55%	78%	86%

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	60.08492554384983
[deg] Pointing Dec	0	-4.10710457466418
[deg] Pointing Roll	0.0	295.1258741076455
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)	569584943.392723	569584943.392723
Observation start date	2016-01-19T10:02:23	2016-01-19T10:02:23
[s] Observation end time (MET)	569592480.273541	569592480.273541
Observation end date	2016-01-19T12:08:00	2016-01-19T12:08:00
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)	2016.01.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.0669872465134

A.2 Comments