

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51505 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 17 2015

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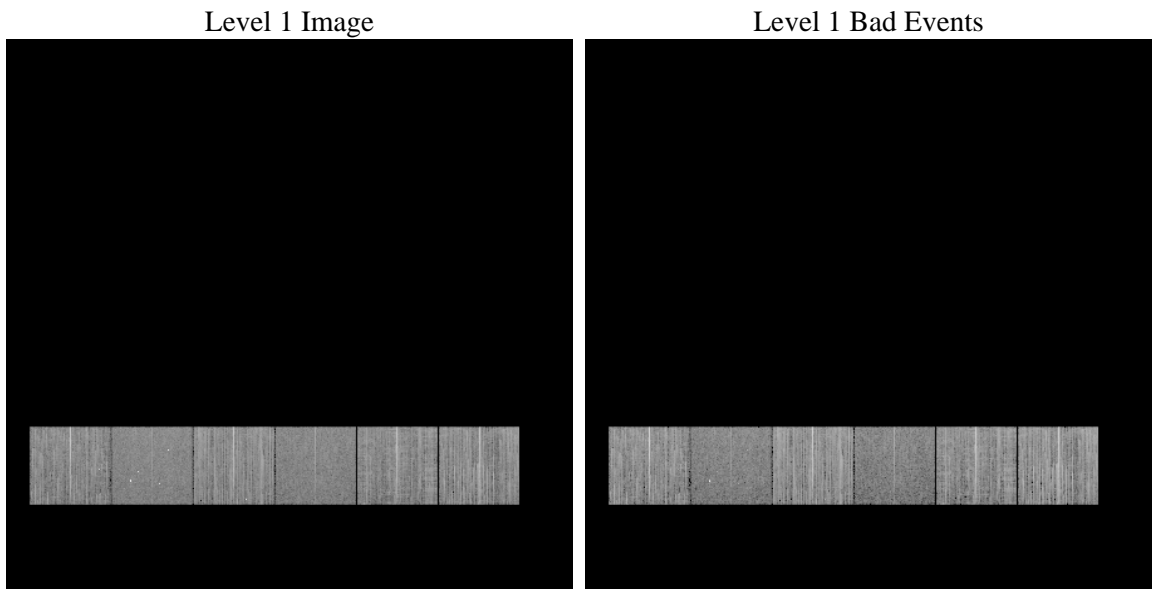
1 Front

seq_num	 	Sequence number
obs_id	51505	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	48.381694938627	Nominal RA [deg]
dec_nom	-10.335128270929	Nominal Dec [deg]
roll_nom	321.45594929978	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5430.4000809193	Sum of GTIs [s]
livetime	5361.6370853003	Livetime [s]
ontime4	5430.4000809193	Sum of GTIs [s]
ontime5	5430.4000809193	Sum of GTIs [s]
ontime6	5430.4000809193	Sum of GTIs [s]
ontime7	5430.4000809193	Sum of GTIs [s]
ontime8	5430.4000809193	Sum of GTIs [s]
ontime9	5430.4000809193	Sum of GTIs [s]
l2events	114102	Number of level 2 events

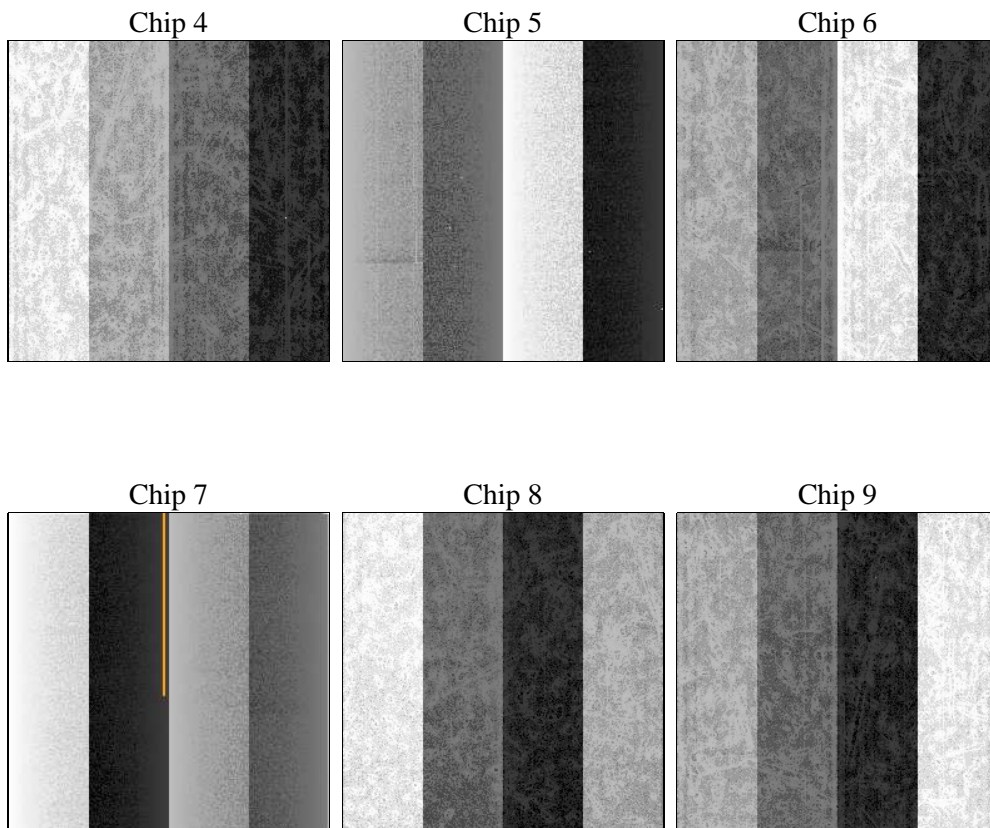
2 OBI

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	10.4.2.1	Processing system revision	ontime	5430.4000809193	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime4	5430.4000809193	Sum of GTIs [s]
date	2015-11-17T09:25:05	Date and time of file creation	ontime5	5430.4000809193	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5430.4000809193	Sum of GTIs [s]
			ontime7	5430.4000809193	Sum of GTIs [s]
			ontime8	5430.4000809193	Sum of GTIs [s]
			ontime9	5430.4000809193	Sum of GTIs [s]
			l1events	628570	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	105289	93625	117654	83482	108571	119949	grade 0 events	7828	5155	6424	3668	8536	6733
rejected events	91039	56396	102970	52272	88749	106154		7%	5%	5%	4%	7%	5%
rejected %	86%	60%	87%	62%	81%	88%	grade 1 events	73	114	36	60	36	53
								0%	0%	0%	0%	0%	0%
							grade 2 events	2923	13666	4231	8216	4739	3051
								2%	14%	3%	9%	4%	2%
							grade 3 events	1102	1023	916	2340	1604	1048
								1%	1%	0%	2%	1%	0%
							grade 4 events	1093	1021	956	2276	1551	1062
								1%	1%	0%	2%	1%	0%
							grade 5 events	2279	4149	2145	5124	2934	2575
								2%	4%	1%	6%	2%	2%
							grade 6 events	2072	18454	2927	16268	4529	2607
								1%	19%	2%	19%	4%	2%
							grade 7 events	87919	50043	100019	45530	84642	102820
								83%	53%	85%	54%	77%	85%

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	48.38169493862705
[deg] Pointing Dec	0	-10.33512827092881
[deg] Pointing Roll	0.0	321.455949299776
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)	564101432.931736	564101432.931736
Observation start date	2015-11-16T22:50:33	2015-11-16T22:50:32
[s] Observation end time (MET)	564108895.273109	564108895.273109
Observation end date	2015-11-17T00:54:55	2015-11-17T00:54:55
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)	2015.11.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.4304000809193

A.2 Comments