

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 52105 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 5 2015

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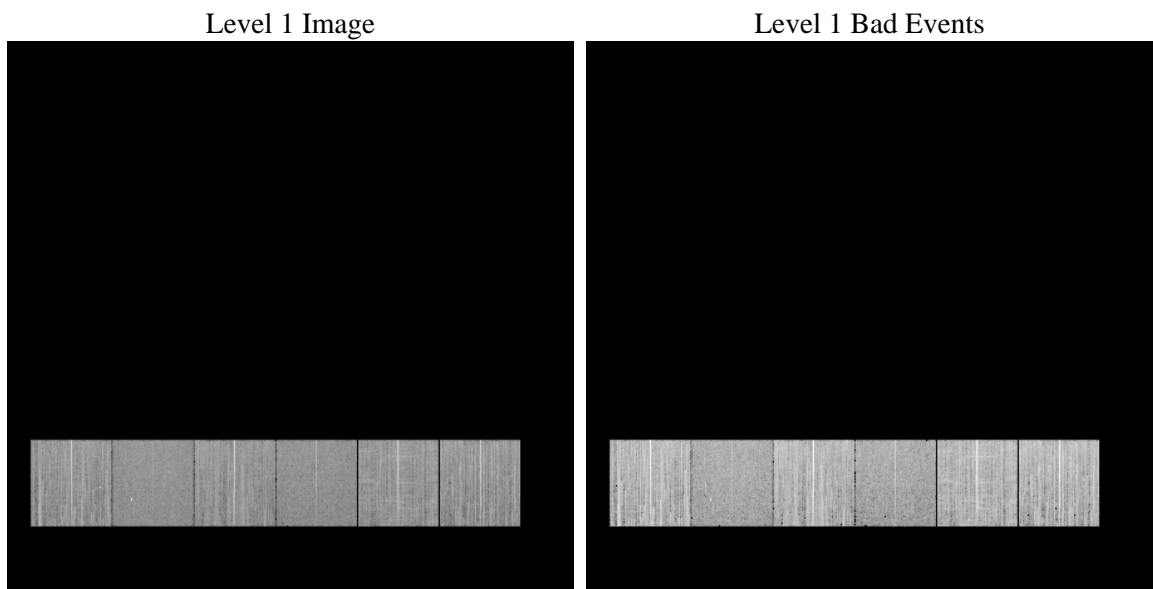
1 Front

seq_num	 	Sequence number
obs_id	52105	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	345.95188248964	Nominal RA [deg]
dec_nom	-71.022219993712	Nominal Dec [deg]
roll_nom	212.54669117223	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7115.955976963	Sum of GTIs [s]
livetime	7025.8494576685	Livetime [s]
ontime4	7115.8328568935	Sum of GTIs [s]
ontime5	7115.9149369001	Sum of GTIs [s]
ontime6	7115.8738969564	Sum of GTIs [s]
ontime7	7115.955976963	Sum of GTIs [s]
ontime8	7115.7918169498	Sum of GTIs [s]
ontime9	7115.9970169067	Sum of GTIs [s]
l2events	183683	Number of level 2 events

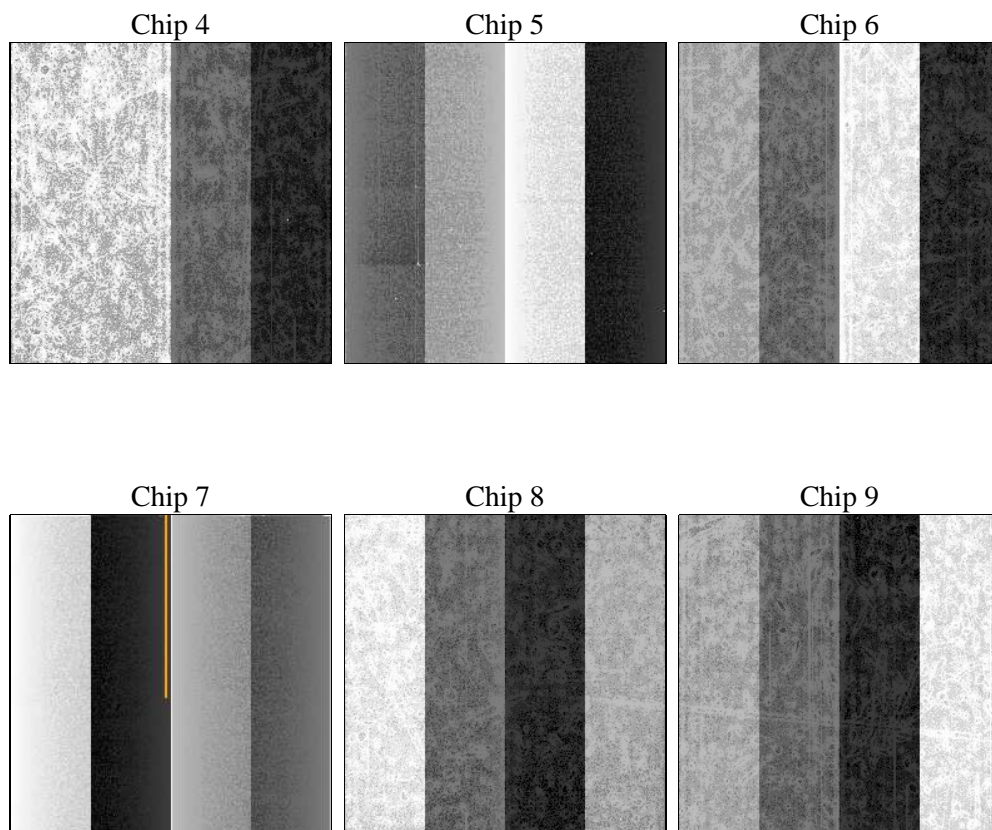
2 OBI

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	10.3.3	Processing system revision	ontime	7115.955976963	Sum of GTIs [s]
caldsver	4.6.6	 	ontime4	7115.8328568935	Sum of GTIs [s]
date	2015-02-05T07:52:33	Date and time of file creation	ontime5	7115.9149369001	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7115.8738969564	Sum of GTIs [s]
			ontime7	7115.955976963	Sum of GTIs [s]
			ontime8	7115.7918169498	Sum of GTIs [s]
			ontime9	7115.9970169067	Sum of GTIs [s]
			l1events	742378	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	133567	109687	127797	102425	134507	134395	grade 0 events	13730	4053	10703	5681	13613	11742
rejected events	107382	61779	101632	58454	102133	108614		10%	3%	8%	5%	10%	8%
rejected %	80%	56%	79%	57%	75%	80%	grade 1 events	100	156	45	71	71	58
								0%	0%	0%	0%	0%	0%
							grade 2 events	5187	18030	7350	11176	7345	6051
								3%	16%	5%	10%	5%	4%
							grade 3 events	1784	1392	1512	3036	2256	1639
								1%	1%	1%	2%	1%	1%
							grade 4 events	1739	1359	1397	3040	2279	1601
								1%	1%	1%	2%	1%	1%
							grade 5 events	2612	4661	2287	5516	3160	2732
								1%	4%	1%	5%	2%	2%
							grade 6 events	3859	23322	5344	21244	7027	4866
								2%	21%	4%	20%	5%	3%
							grade 7 events	104556	56714	99159	52661	98756	105706
								78%	51%	77%	51%	73%	78%

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	345.9518824896363
[deg] Pointing Dec	0	-71.02221999371193
[deg] Pointing Roll	0.0	212.5466911722279
[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)	539460584.50713	539460583.4821301
Observation start date	2015-02-04T18:09:45	2015-02-04T18:09:43
[s] Observation end time (MET)	539471324.4577301	539471323.43273
Observation end date	2015-02-04T21:08:44	2015-02-04T21:08:43
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2015.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.115955976963

A.2 Comments