

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51708 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 3 2015

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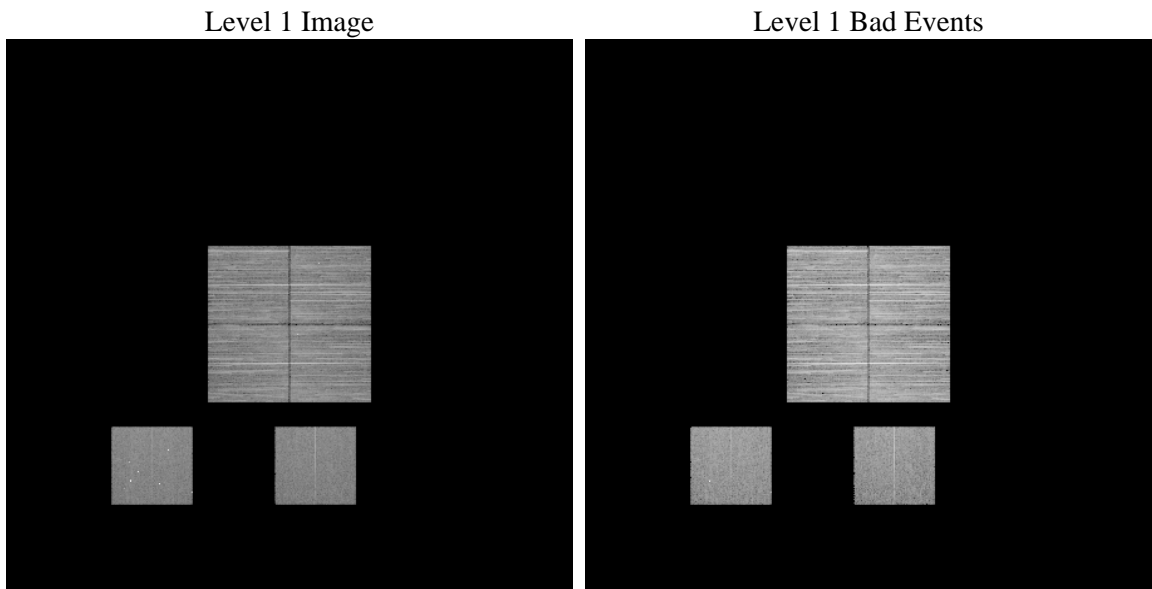
1 Front

seq_num	 	Sequence number
obs_id	51708	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	302.24155337724	Nominal RA [deg]
dec_nom	-35.301742291516	Nominal Dec [deg]
roll_nom	112.67389366051	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7100.2892183065	Sum of GTIs [s]
livetime	7010.3810809435	Livetime [s]
ontime0	7100.2481782436	Sum of GTIs [s]
ontime1	7100.2071382999	Sum of GTIs [s]
ontime2	7100.166098237	Sum of GTIs [s]
ontime3	7100.3302582502	Sum of GTIs [s]
ontime5	7100.1250582933	Sum of GTIs [s]
ontime7	7100.2892183065	Sum of GTIs [s]
l2events	187079	Number of level 2 events

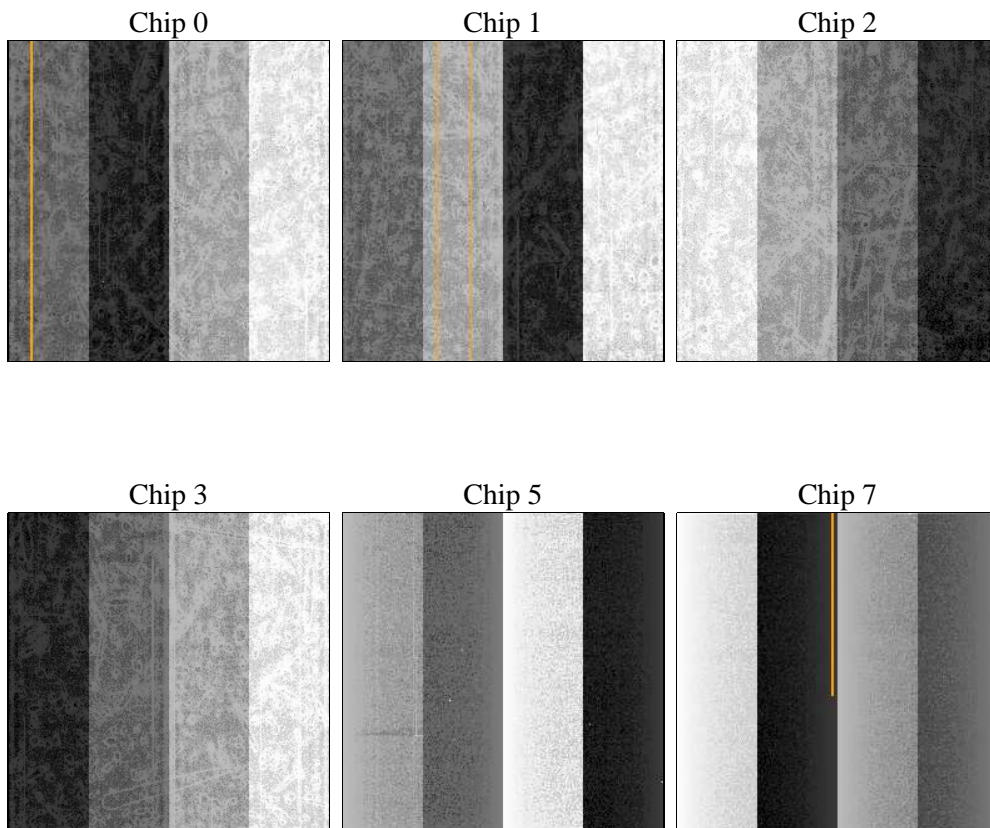
2 OBI

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	10.4.1	Processing system revision	ontime	7100.2892183065	Sum of GTIs [s]
caldsver	4.6.8	 	ontime0	7100.2481782436	Sum of GTIs [s]
date	2015-08-03T18:00:20	Date and time of file creation	ontime1	7100.2071382999	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7100.166098237	Sum of GTIs [s]
			ontime3	7100.3302582502	Sum of GTIs [s]
			ontime5	7100.1250582933	Sum of GTIs [s]
			ontime7	7100.2892183065	Sum of GTIs [s]
			l1events	813865	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	140842	148268	141034	146579	125305	111837	grade 0 events	11644	10900	11995	12907	10100	6014
rejected events	115589	122190	116371	120540	68048	65352		8%	7%	8%	8%	8%	5%
rejected %	82%	82%	82%	82%	54%	58%	grade 1 events	69	75	61	68	198	67
								0%	0%	0%	0%	0%	0%
							grade 2 events	6048	7454	5433	5621	20175	11927
								4%	5%	3%	3%	16%	10%
							grade 3 events	1632	1558	1632	1687	1487	3287
								1%	1%	1%	1%	1%	2%
							grade 4 events	1640	1497	1628	1700	1519	3146
								1%	1%	1%	1%	1%	2%
							grade 5 events	2455	2376	2293	2861	5148	6295
								1%	1%	1%	1%	4%	5%
							grade 6 events	4877	5250	4527	4770	24820	22866
								3%	3%	3%	3%	19%	20%
							grade 7 events	112477	119158	113465	116965	61858	58235
								79%	80%	80%	79%	49%	52%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	302.2415533772408
[deg] Pointing Dec	0	-35.30174229151619
[deg] Pointing Roll	0.0	112.6738936605129
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	554959637.026283	554959637.026283
Observation start date	2015-08-03T03:27:17	2015-08-03T03:27:17
[s] Observation end time (MET)	554969186.114091	554969186.114091
Observation end date	2015-08-03T06:06:26	2015-08-03T06:06:26
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)	2015.08.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.1002892183065

A.2 Comments