

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52942 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 9 2014

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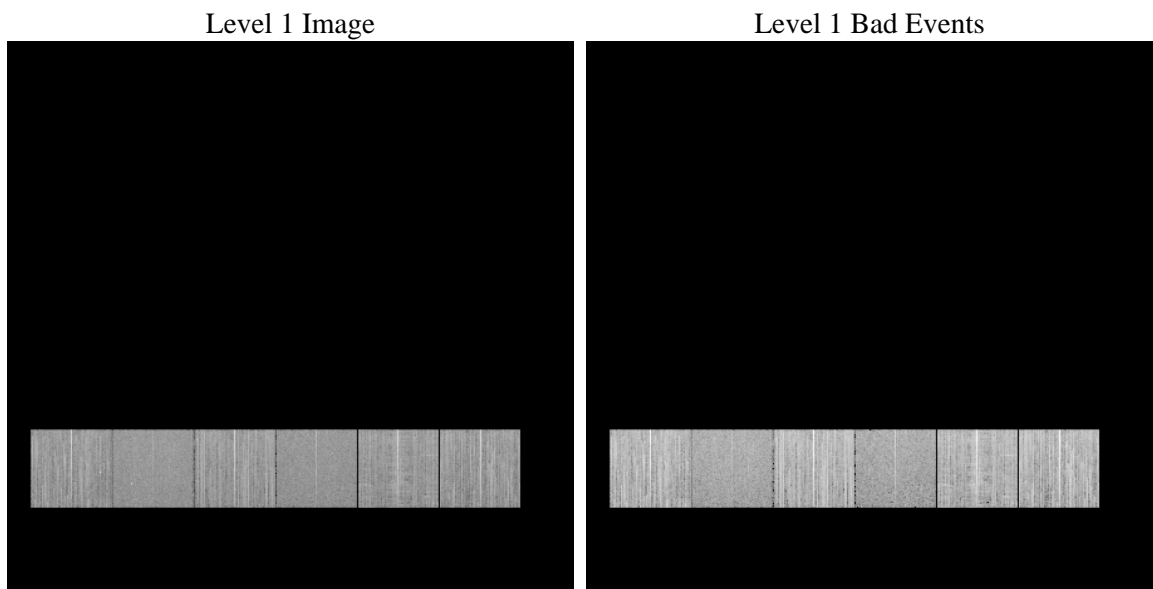
1 Front

seq_num	 	Sequence number
obs_id	52942	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	193.18384251633	Nominal RA [deg]
dec_nom	8.1429452653369	Nominal Dec [deg]
roll_nom	96.115432089612	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8190.5406088829	Sum of GTIs [s]
livetime	8086.8270519418	Livetime [s]
ontime4	8089.9462441802	Sum of GTIs [s]
ontime5	8190.4995688796	Sum of GTIs [s]
ontime6	8102.9514343739	Sum of GTIs [s]
ontime7	8190.5406088829	Sum of GTIs [s]
ontime8	8106.1103943586	Sum of GTIs [s]
ontime9	8096.5924743414	Sum of GTIs [s]
l2events	199928	Number of level 2 events

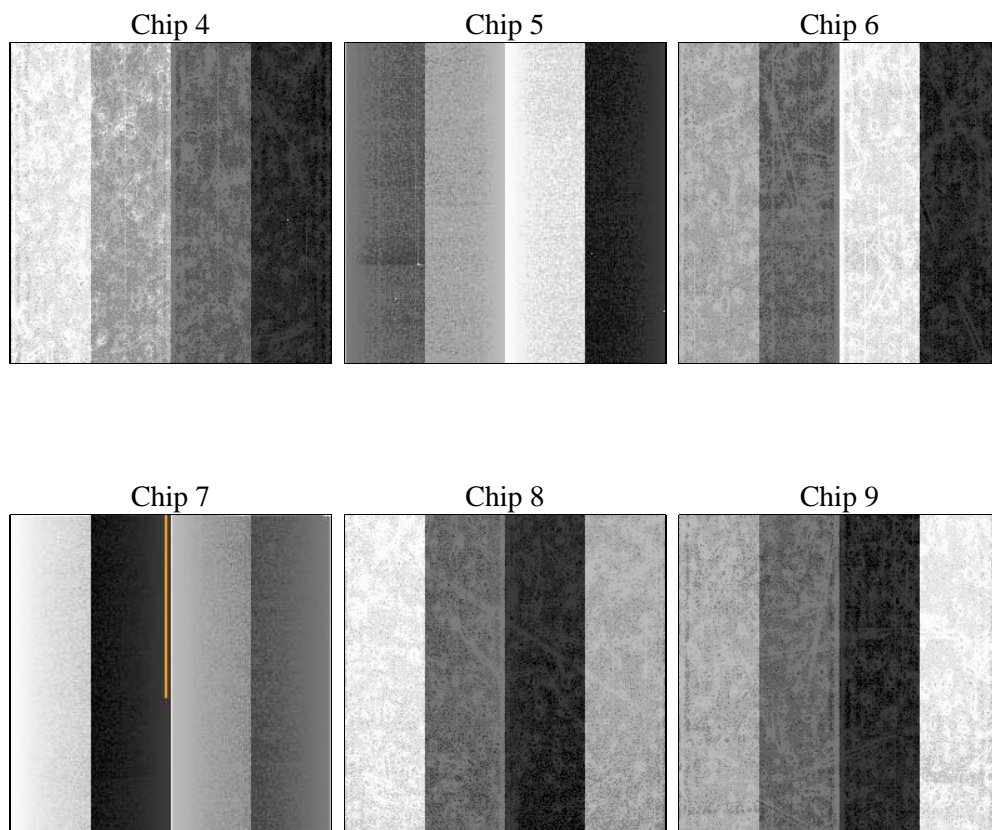
2 OBI

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	10.2.1	Processing system revision	ontime	8190.5406088829	Sum of GTIs [s]
caldsver	4.6.0	 	ontime4	8089.9462441802	Sum of GTIs [s]
date	2014-03-09T12:13:18	Date and time of file creation	ontime5	8190.4995688796	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8102.9514343739	Sum of GTIs [s]
			ontime7	8190.5406088829	Sum of GTIs [s]
			ontime8	8106.1103943586	Sum of GTIs [s]
			ontime9	8096.5924743414	Sum of GTIs [s]
			l1events	800489	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	137604	119220	146697	112199	140149	144620	grade 0 events	15428	4438	13518	6904	15793	13748
rejected events	109968	67199	118902	62630	105236	117264		11%	3%	9%	6%	11%	9%
rejected %	79%	56%	81%	55%	75%	81%	grade 1 events	121	123	64	73	78	63
								0%	0%	0%	0%	0%	0%
							grade 2 events	5110	19808	6106	12204	7337	5515
								3%	16%	4%	10%	5%	3%
							grade 3 events	1884	1624	1794	4021	2717	1897
								1%	1%	1%	3%	1%	1%
							grade 4 events	1895	1651	1752	3898	2605	1838
								1%	1%	1%	3%	1%	1%
							grade 5 events	2913	5362	2839	6813	3643	3151
								2%	4%	1%	6%	2%	2%
							grade 6 events	3637	25096	4961	23117	6862	4646
								2%	21%	3%	20%	4%	3%
							grade 7 events	106616	61118	115663	55169	101114	113762
								77%	51%	78%	49%	72%	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	193.1838425163321
[deg] Pointing Dec	0	8.142945265336945
[deg] Pointing Roll	0.0	96.11543208961166
[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)	510667435.01011	510667433.98511
Observation start date	2014-03-08T12:03:55	2014-03-08T12:03:53
[s] Observation end time (MET)	510679478.760774	510679477.73577
Observation end date	2014-03-08T15:24:39	2014-03-08T15:24:37
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.03.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1905406088829

A.2 Comments