

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 51940 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 22 2015

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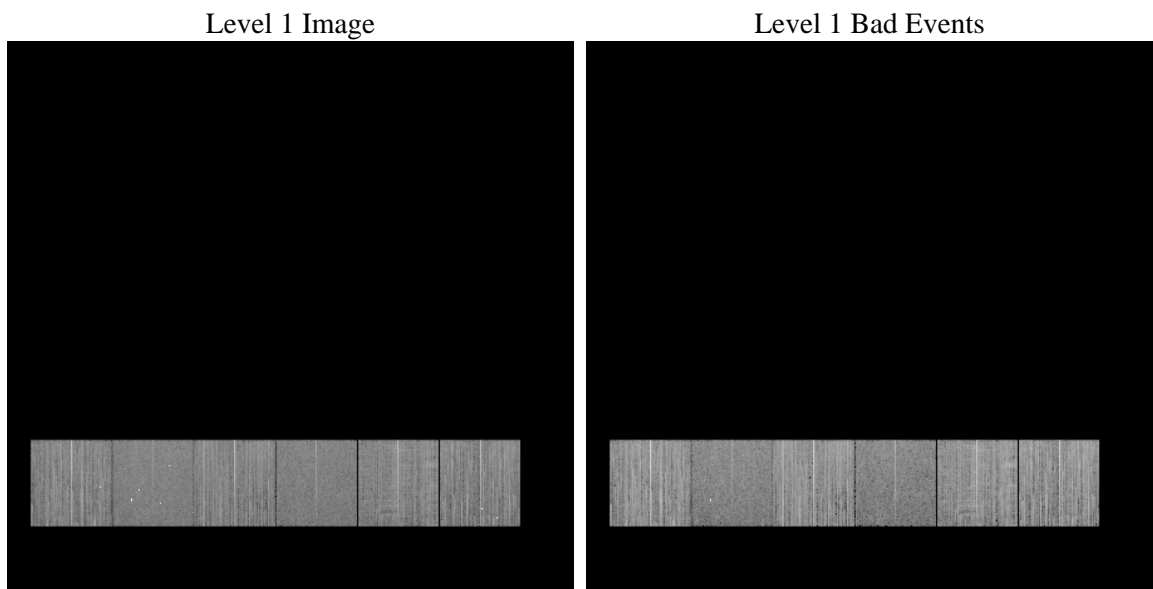
1 Front

seq_num	 	Sequence number
obs_id	51940	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	88.857407721684	Nominal RA [deg]
dec_nom	-39.620442100146	Nominal Dec [deg]
roll_nom	240.86658210495	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8252.8001229763	Sum of GTIs [s]
livetime	8148.2981985795	Livetime [s]
ontime4	8252.8001229763	Sum of GTIs [s]
ontime5	8252.8001229763	Sum of GTIs [s]
ontime6	8252.8001229763	Sum of GTIs [s]
ontime7	8252.8001229763	Sum of GTIs [s]
ontime8	8252.8001229763	Sum of GTIs [s]
ontime9	8252.8001229763	Sum of GTIs [s]
l2events	175404	Number of level 2 events

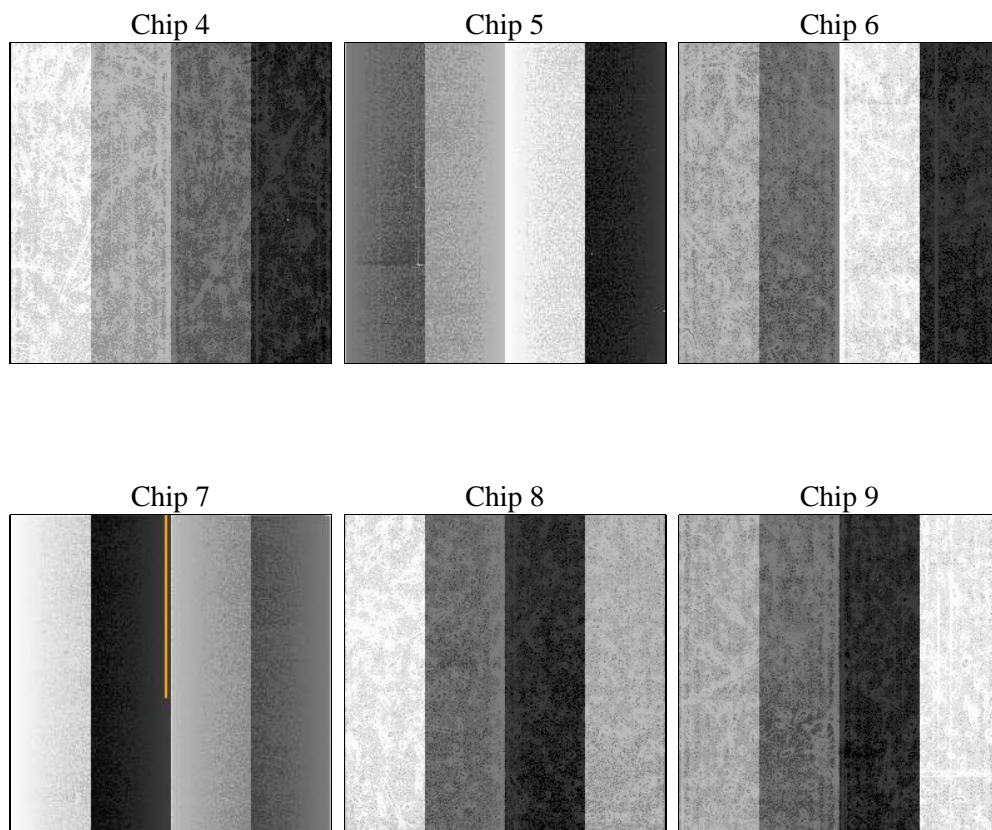
2 OBI

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	8252.8001229763	Sum of GTIs [s]
caldsver	4.6.7	 	ontime4	8252.8001229763	Sum of GTIs [s]
date	2015-04-22T14:23:01	Date and time of file creation	ontime5	8252.8001229763	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8252.8001229763	Sum of GTIs [s]
			ontime7	8252.8001229763	Sum of GTIs [s]
			ontime8	8252.8001229763	Sum of GTIs [s]
			ontime9	8252.8001229763	Sum of GTIs [s]
			l1events	798645	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	138794	124560	137859	109082	142493	145857	grade 0 events	13364	9177	10807	5751	13024	15981
rejected events	114991	68371	115332	63278	111823	118209		9%	7%	7%	5%	9%	10%
rejected %	82%	54%	83%	58%	78%	81%	grade 1 events	99	128	47	75	66	94
								0%	0%	0%	0%	0%	0%
							grade 2 events	4318	19966	4715	11473	6587	4523
								3%	16%	3%	10%	4%	3%
							grade 3 events	1605	1685	1504	3715	2455	1634
								1%	1%	1%	3%	1%	1%
							grade 4 events	1614	1676	1532	3563	2381	1593
								1%	1%	1%	3%	1%	1%
							grade 5 events	2965	5951	2847	6844	3840	3310
								2%	4%	2%	6%	2%	2%
							grade 6 events	3020	23902	4040	21480	6347	4012
								2%	19%	2%	19%	4%	2%
							grade 7 events	111809	62075	112367	56181	107793	114710
								80%	49%	81%	51%	75%	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	88.857407721684
[deg] Pointing Dec	0	-39.62044210014625
[deg] Pointing Roll	0.0	240.8665821049518
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)	546050783.425818	546050783.425818
Observation start date	2015-04-22T00:46:23	2015-04-22T00:46:23
[s] Observation end time (MET)	546060331.665604	546060331.665604
Observation end date	2015-04-22T03:25:32	2015-04-22T03:25:31
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)	2015.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2528001229763

A.2 Comments