

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52971 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 25 2014

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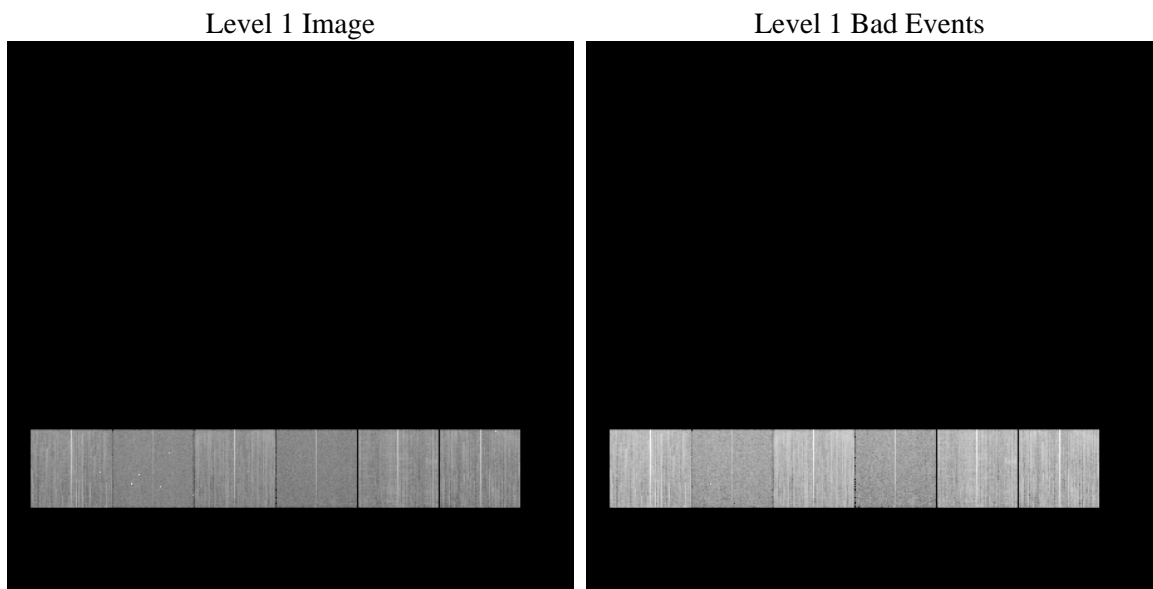
1 Front

seq_num	 	Sequence number
obs_id	52971	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	280.5465608773	Nominal RA [deg]
dec_nom	3.35104576201	Nominal Dec [deg]
roll_nom	78.859922054588	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8127.9999697804	Sum of GTIs [s]
livetime	8025.0783400691	Livetime [s]
ontime4	8127.9999697804	Sum of GTIs [s]
ontime5	8127.9999697804	Sum of GTIs [s]
ontime6	8127.9999697804	Sum of GTIs [s]
ontime7	8127.9999697804	Sum of GTIs [s]
ontime8	8124.7591088414	Sum of GTIs [s]
ontime9	8127.9999697804	Sum of GTIs [s]
l2events	236311	Number of level 2 events

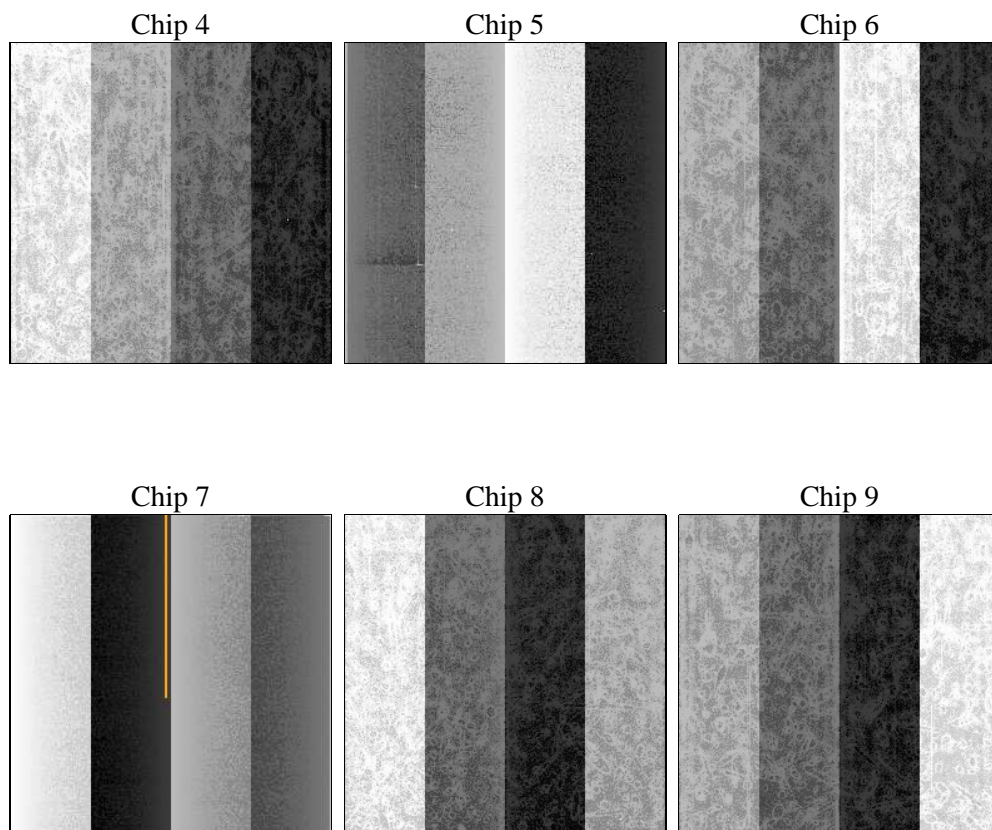
2 OBI

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	8127.9999697804	Sum of GTIs [s]
caldsver	4.6.0	 	ontime4	8127.9999697804	Sum of GTIs [s]
date	2014-02-26T03:11:31	Date and time of file creation	ontime5	8127.9999697804	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8127.9999697804	Sum of GTIs [s]
			ontime7	8127.9999697804	Sum of GTIs [s]
			ontime8	8124.7591088414	Sum of GTIs [s]
			ontime9	8127.9999697804	Sum of GTIs [s]
			l1events	1120226	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	208447	151829	209974	132798	210134	207044	grade 0 events	18080	10366	15835	8573	22562	18014
rejected events	176357	81024	178420	71733	158218	174350		8%	6%	7%	6%	10%	8%
rejected %	84%	53%	84%	54%	75%	84%	grade 1 events	188	456	78	121	159	157
								0%	0%	0%	0%	0%	0%
							grade 2 events	6014	26977	6749	16042	11018	6008
								2%	17%	3%	12%	5%	2%
							grade 3 events	2292	2780	2137	5039	4895	2191
								1%	1%	1%	3%	2%	1%
							grade 4 events	2228	2797	2088	4908	4554	2093
								1%	1%	0%	3%	2%	1%
							grade 5 events	3032	6727	3037	7564	4174	3433
								1%	4%	1%	5%	1%	1%
							grade 6 events	4084	29156	5291	27546	9883	4979
								1%	19%	2%	20%	4%	2%
							grade 7 events	172529	72570	174759	63005	152889	170169
								82%	47%	83%	47%	72%	82%

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	280.5465608772961
[deg] Pointing Dec	0	3.351045762009964
[deg] Pointing Roll	0.0	78.85992205458794
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)	509720002.857896	509720002.857896
Observation start date	2014-02-25T12:53:23	2014-02-25T12:53:22
[s] Observation end time (MET)	509728950.400639	509728950.400639
Observation end date	2014-02-25T15:22:30	2014-02-25T15:22:30
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)	2014.02.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1279999697804

A.2 Comments