

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51710 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 2 2015

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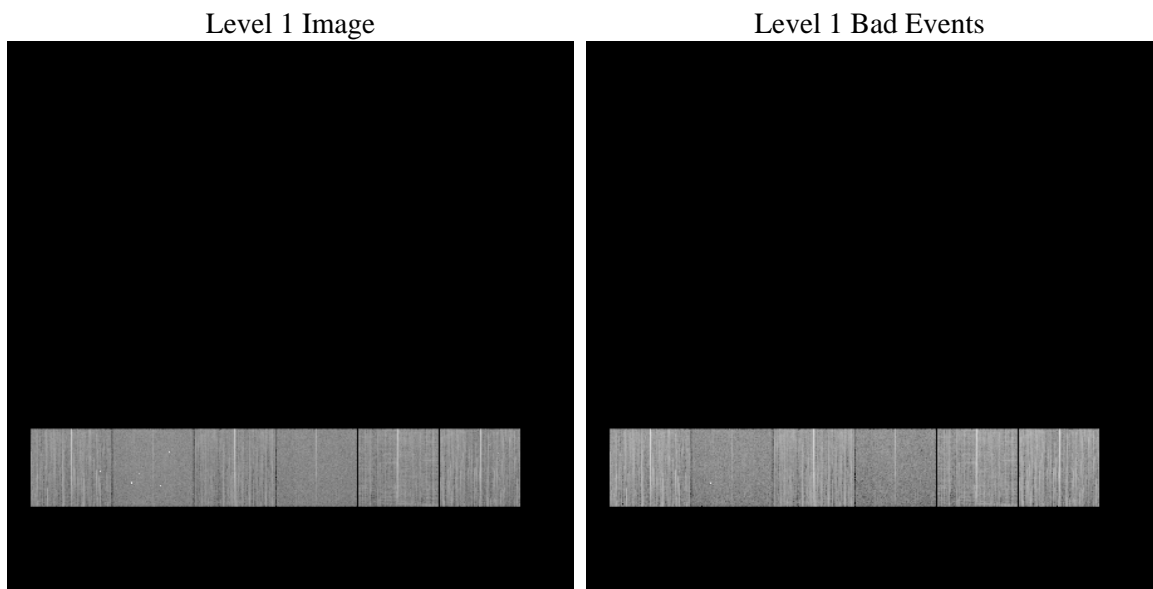
1 Front

seq_num	 	Sequence number
obs_id	51710	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	307.97423850233	Nominal RA [deg]
dec_nom	9.2790298717443	Nominal Dec [deg]
roll_nom	185.57033967433	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8450.2996596098	Sum of GTIs [s]
livetime	8343.2968771602	Livetime [s]
ontime4	8450.1765395403	Sum of GTIs [s]
ontime5	8450.2586195469	Sum of GTIs [s]
ontime6	8450.2175796032	Sum of GTIs [s]
ontime7	8450.2996596098	Sum of GTIs [s]
ontime8	8450.1354995966	Sum of GTIs [s]
ontime9	8450.3406995535	Sum of GTIs [s]
l2events	183638	Number of level 2 events

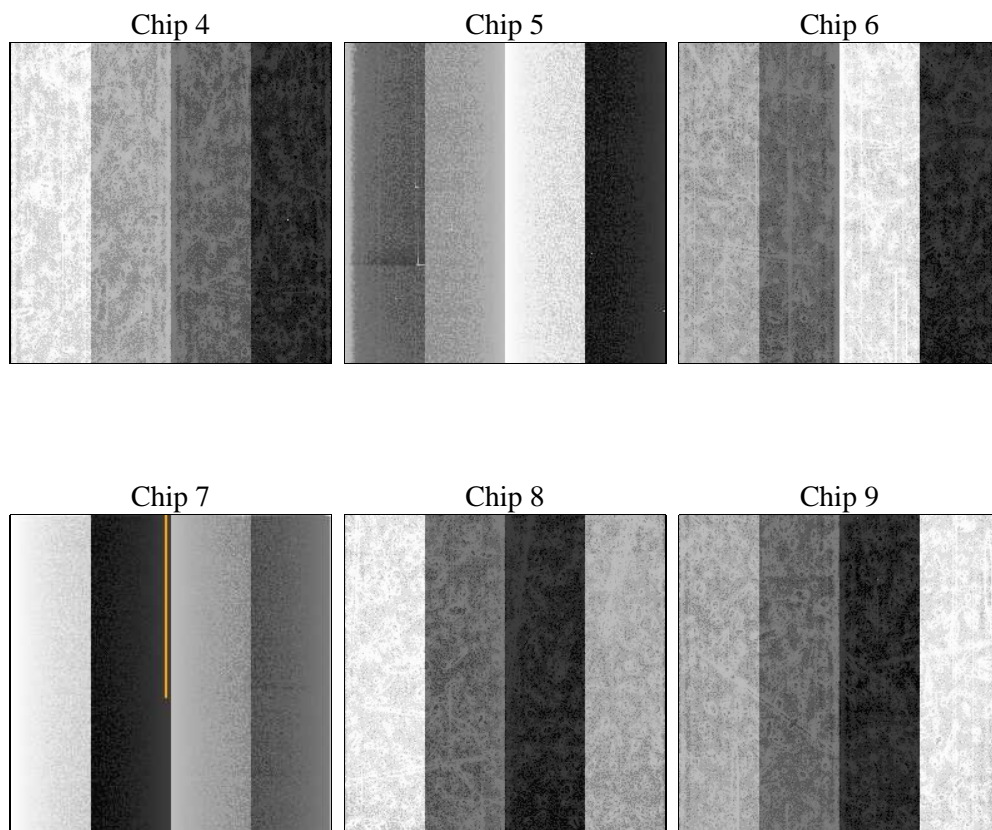
2 OBI

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	8450.2996596098	Sum of GTIs [s]
caldsver	4.6.8	 	ontime4	8450.1765395403	Sum of GTIs [s]
date	2015-08-02T16:07:07	Date and time of file creation	ontime5	8450.2586195469	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8450.2175796032	Sum of GTIs [s]
			ontime7	8450.2996596098	Sum of GTIs [s]
			ontime8	8450.1354995966	Sum of GTIs [s]
			ontime9	8450.3406995535	Sum of GTIs [s]
			l1events	903666	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	163609	135811	156966	123247	158061	165972	grade 0 events	13322	6432	10639	5739	13393	10846
rejected events	139343	78275	134027	73533	125853	143212		8%	4%	6%	4%	8%	6%
rejected %	85%	57%	85%	59%	79%	86%	grade 1 events	121	148	42	85	77	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	4501	20807	5220	12144	6999	4803
								2%	15%	3%	9%	4%	2%
							grade 3 events	1571	1648	1465	3725	2578	1609
								0%	1%	0%	3%	1%	0%
							grade 4 events	1661	1539	1464	3745	2641	1552
								1%	1%	0%	3%	1%	0%
							grade 5 events	3263	6164	3126	7579	4272	3656
								1%	4%	1%	6%	2%	2%
							grade 6 events	3218	27132	4157	24382	6603	3954
								1%	19%	2%	19%	4%	2%
							grade 7 events	135952	71941	130853	65848	121498	139488
								83%	52%	83%	53%	76%	84%

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	307.9742385023311
[deg] Pointing Dec	0	9.279029871744291
[deg] Pointing Roll	0.0	185.570339674329
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	554773134.165781	554773133.14078
Observation start date	2015-07-31T23:38:54	2015-07-31T23:38:53
[s] Observation end time (MET)	554785512.066478	554785511.0414799
Observation end date	2015-08-01T03:05:12	2015-08-01T03:05:11
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.08.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4502996596098

A.2 Comments