

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51084 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 23 2016

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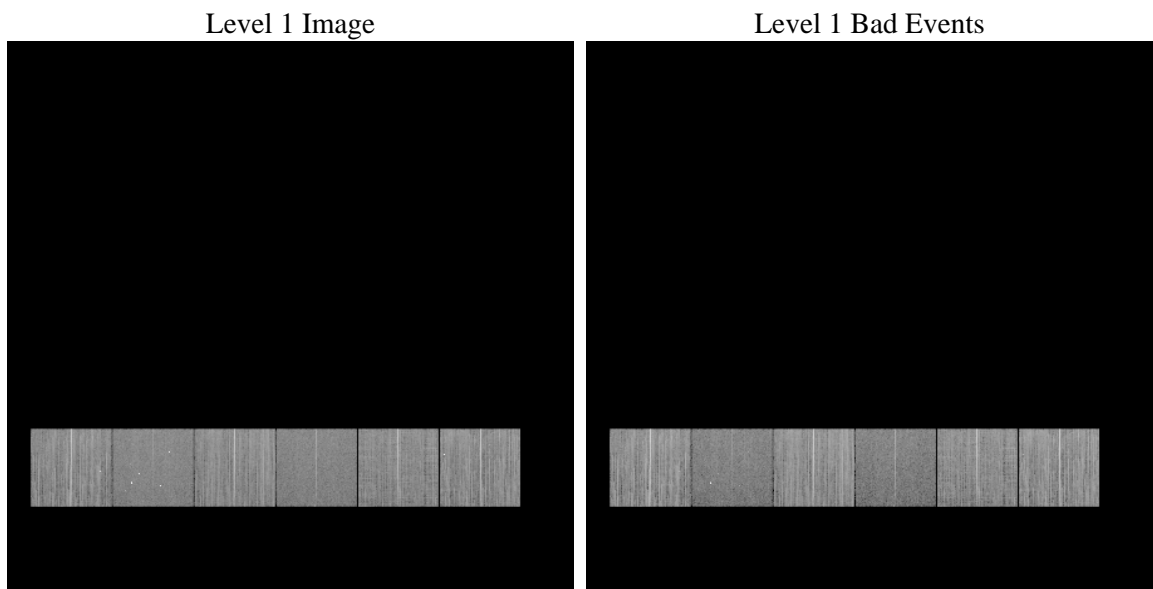
1 Front

seq_num	 	Sequence number
obs_id	51084	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	205.53381814952	Nominal RA [deg]
dec_nom	-36.19082186541	Nominal Dec [deg]
roll_nom	345.82752390233	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8047.3791457415	Sum of GTIs [s]
livetime	7945.4783854481	Livetime [s]
ontime4	8047.256025672	Sum of GTIs [s]
ontime5	8047.3381056786	Sum of GTIs [s]
ontime6	8047.2970657349	Sum of GTIs [s]
ontime7	8047.3791457415	Sum of GTIs [s]
ontime8	8047.2149857283	Sum of GTIs [s]
ontime9	8047.4201856852	Sum of GTIs [s]
l2events	172381	Number of level 2 events

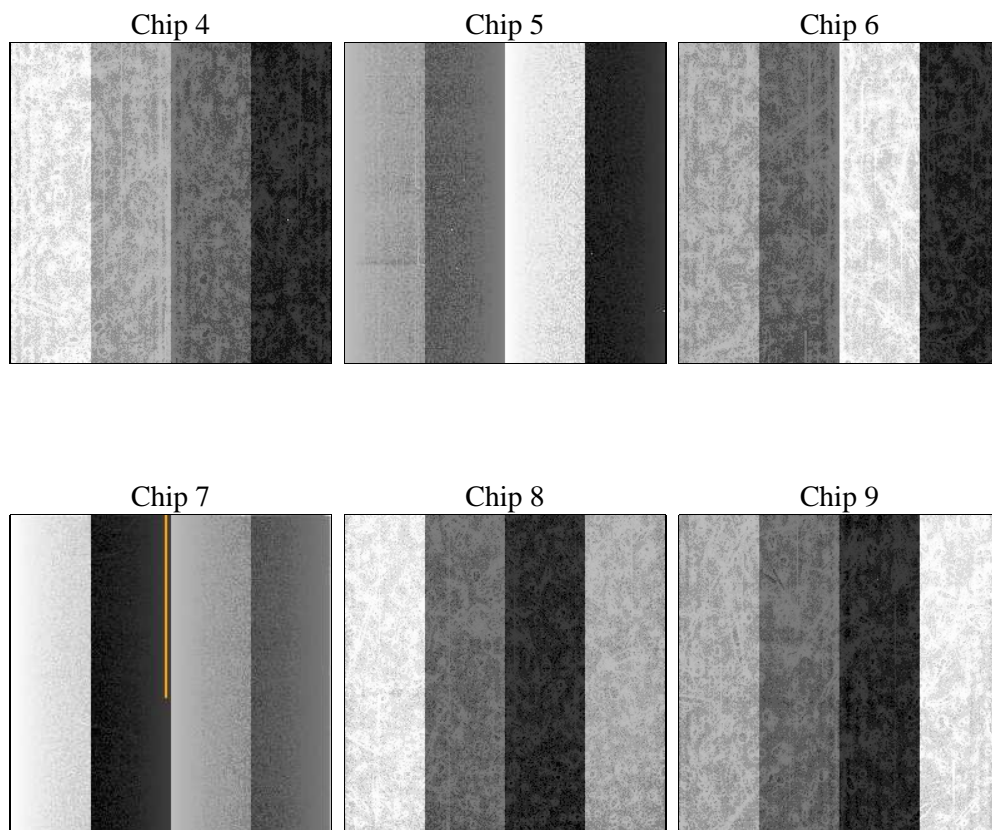
2 OBI

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	10.4.3.1	Processing system revision	ontime	8047.3791457415	Sum of GTIs [s]
caldbver	4.7.1	 	ontime4	8047.256025672	Sum of GTIs [s]
date	2016-04-23T23:08:37	Date and time of file creation	ontime5	8047.3381056786	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8047.2970657349	Sum of GTIs [s]
			ontime7	8047.3791457415	Sum of GTIs [s]
			ontime8	8047.2149857283	Sum of GTIs [s]
			ontime9	8047.4201856852	Sum of GTIs [s]
			l1events	999974	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	180214	148060	182361	129126	170365	189848	grade 0 events	11109	10000	9005	5041	12406	11747
rejected events	159343	87331	162551	80707	139804	167570		6%	6%	4%	3%	7%	6%
rejected %	88%	58%	89%	62%	82%	88%	grade 1 events	132	164	51	88	95	78
								0%	0%	0%	0%	0%	0%
							grade 2 events	4298	20295	4826	12351	7131	4362
								2%	13%	2%	9%	4%	2%
							grade 3 events	1571	1603	1313	3532	2572	1520
								0%	1%	0%	2%	1%	0%
							grade 4 events	1600	1536	1335	3529	2493	1479
								0%	1%	0%	2%	1%	0%
							grade 5 events	3602	6468	3443	7913	4516	3939
								1%	4%	1%	6%	2%	2%
							grade 6 events	2871	28959	3901	25295	6784	3780
								1%	19%	2%	19%	3%	1%
							grade 7 events	155031	79035	158487	71377	134368	162943
								86%	53%	86%	55%	78%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	205.5338181495203	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-36.19082186540982	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	345.8275239023343	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-0.78090834371673	-0.78090834371673			
[mm] SIM defocus	0.7524282194390134	0.7524282194390134			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	577808982.096975	577808982.096975			
Observation start date	2016-04-23T14:29:42	2016-04-23T14:29:42			
[s] Observation end time (MET)	577818529.0748121	577818529.0748121			
Observation end date	2016-04-23T17:08:49	2016-04-23T17:08:49			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0473791457415

A.2 Comments