

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51646 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 6 2015

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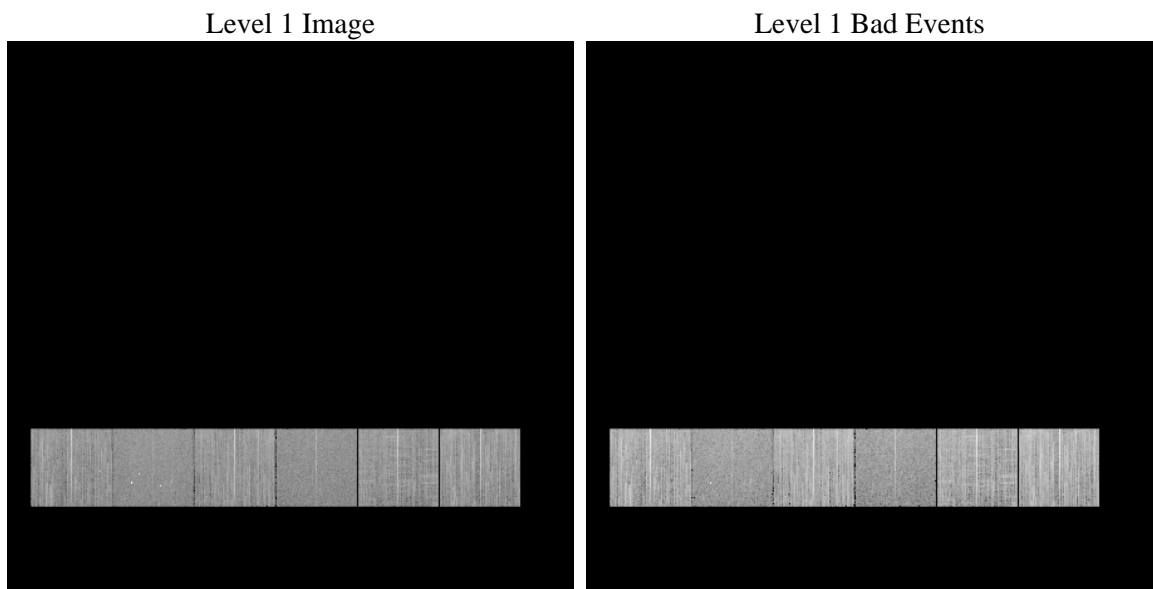
1 Front

seq_num	 	Sequence number
obs_id	51646	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	105.98104561314	Nominal RA [deg]
dec_nom	-0.97818571937356	Nominal Dec [deg]
roll_nom	98.233208408804	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6488.5703684092	Sum of GTIs [s]
livetime	6406.4081834563	Livetime [s]
ontime4	6488.4472483397	Sum of GTIs [s]
ontime5	6488.5293283463	Sum of GTIs [s]
ontime6	6488.4882884026	Sum of GTIs [s]
ontime7	6488.5703684092	Sum of GTIs [s]
ontime8	6488.406208396	Sum of GTIs [s]
ontime9	6488.6114083529	Sum of GTIs [s]
l2events	161934	Number of level 2 events

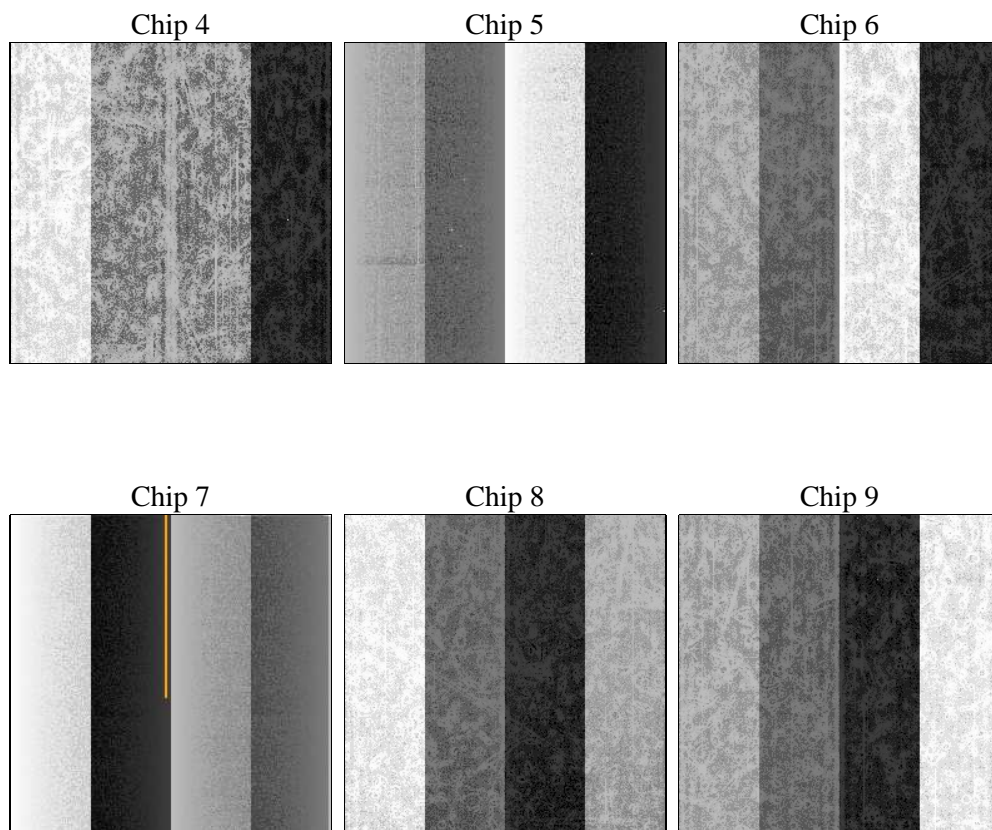
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	6488.5703684092	Sum of GTIs [s]
caldsver	4.6.8	 	ontime4	6488.4472483397	Sum of GTIs [s]
date	2015-09-06T22:58:12	Date and time of file creation	ontime5	6488.5293283463	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	6488.4882884026	Sum of GTIs [s]
			ontime7	6488.5703684092	Sum of GTIs [s]
			ontime8	6488.406208396	Sum of GTIs [s]
			ontime9	6488.6114083529	Sum of GTIs [s]
			l1events	731543	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	123530	108776	131548	97883	127282	142524	grade 0 events	10839	6158	8844	5134	11832	9361
rejected events	102158	61503	109825	57127	97867	121405		8%	5%	6%	5%	9%	6%
rejected %	82%	56%	83%	58%	76%	85%	grade 1 events	90	568	52	60	63	65
								0%	0%	0%	0%	0%	0%
							grade 2 events	4330	16740	5992	10442	6804	4744
								3%	15%	4%	10%	5%	3%
							grade 3 events	1530	1280	1238	2851	2222	1330
								1%	1%	0%	2%	1%	0%
							grade 4 events	1377	1209	1150	2730	2266	1361
								1%	1%	0%	2%	1%	0%
							grade 5 events	2530	4461	2238	5620	3175	2655
								2%	4%	1%	5%	2%	1%
							grade 6 events	3452	22100	4651	19814	6487	4464
								2%	20%	3%	20%	5%	3%
							grade 7 events	99382	56260	107383	51232	94433	118544
								80%	51%	81%	52%	74%	83%

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	NONE	UPDATED
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	105.9810456131362	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-0.9781857193735644	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	98.23320840880413	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	557934738.644011	557934737.61901			
Observation start date	2015-09-06T13:52:19	2015-09-06T13:52:17			
[s] Observation end time (MET)	557942649.594458	557942648.56946			
Observation end date	2015-09-06T16:04:10	2015-09-06T16:04:08			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.09.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.4885703684092

A.2 Comments