

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51298 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 27 2016

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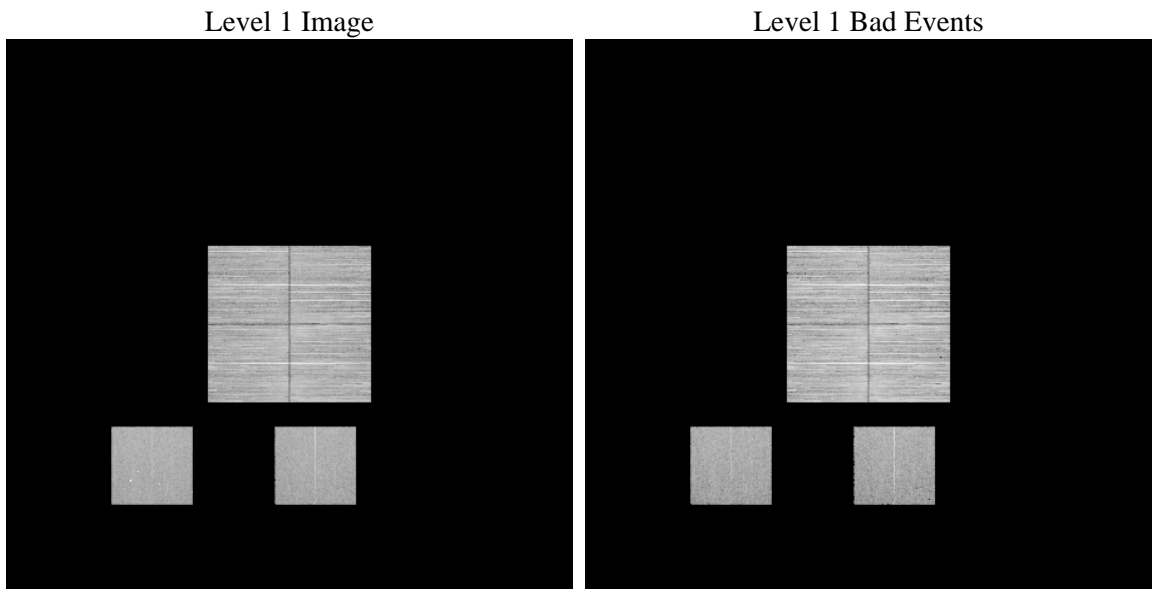
1 Front

seq_num	 	Sequence number
obs_id	51298	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	156.1506773381	Nominal RA [deg]
dec_nom	-4.9192038927653	Nominal Dec [deg]
roll_nom	47.560971739284	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7446.40011096	Sum of GTIs [s]
livetime	7352.1093090712	Livetime [s]
ontime0	7446.40011096	Sum of GTIs [s]
ontime1	7446.40011096	Sum of GTIs [s]
ontime2	7446.40011096	Sum of GTIs [s]
ontime3	7446.40011096	Sum of GTIs [s]
ontime5	7446.40011096	Sum of GTIs [s]
ontime7	7446.40011096	Sum of GTIs [s]
l2events	163660	Number of level 2 events

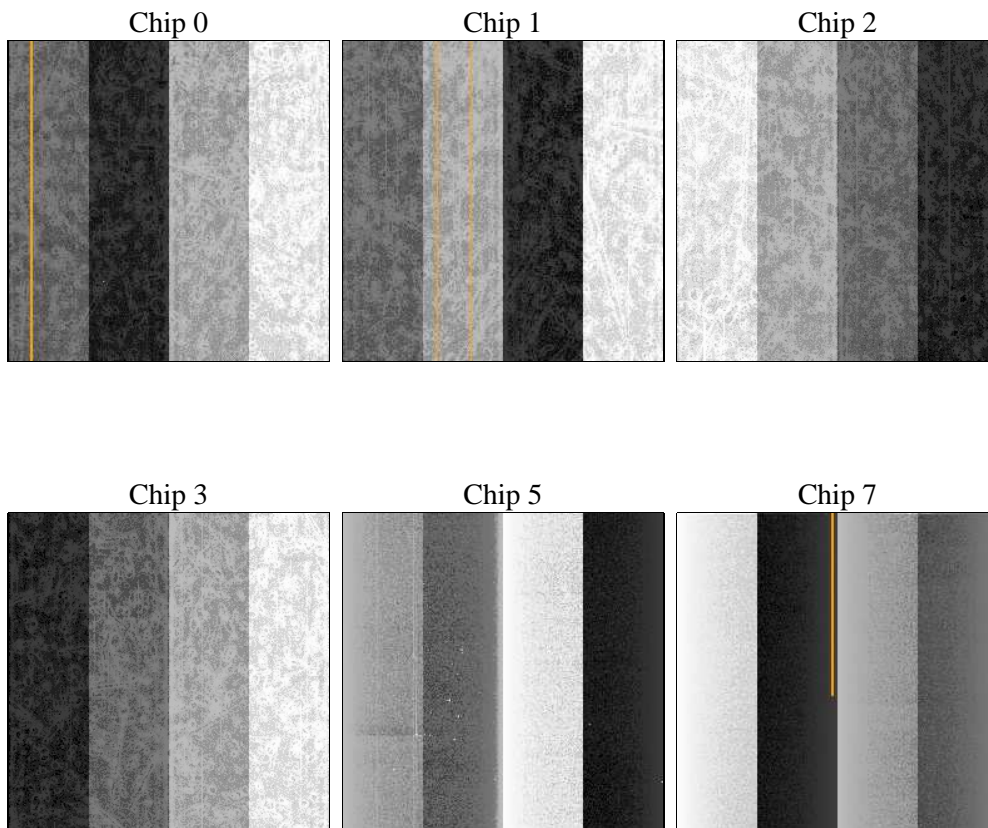
2 OBI

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	7446.40011096	Sum of GTIs [s]
caldbver	4.7.0	 	ontime0	7446.40011096	Sum of GTIs [s]
date	2016-01-28T04:18:16	Date and time of file creation	ontime1	7446.40011096	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7446.40011096	Sum of GTIs [s]
			ontime3	7446.40011096	Sum of GTIs [s]
			ontime5	7446.40011096	Sum of GTIs [s]
			ontime7	7446.40011096	Sum of GTIs [s]
			l1events	916101	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	158429	163676	168593	177296	127770	120337	grade 0 events	8247	7505	8679	8660	3944	4603
rejected events	139422	144715	150102	158511	75619	74366		5%	4%	5%	4%	3%	3%
rejected %	88%	88%	89%	89%	59%	61%	grade 1 events	40	38	66	63	207	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	4859	5600	4290	4294	18391	11475
								3%	3%	2%	2%	14%	9%
							grade 3 events	1257	1126	1308	1365	1469	3209
								0%	0%	0%	0%	1%	2%
							grade 4 events	1240	1096	1263	1376	1495	3060
								0%	0%	0%	0%	1%	2%
							grade 5 events	2830	2589	2627	2988	5607	7305
								1%	1%	1%	1%	4%	6%
							grade 6 events	3457	3708	3018	3151	27034	23780
								2%	2%	1%	1%	21%	19%
							grade 7 events	136499	142014	147342	155399	69623	66823
								86%	86%	87%	87%	54%	55%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	156.1506773381018	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-4.919203892765286	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	47.56097173928437	[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)	570313732.784086	570313731.7590899			
Observation start date	2016-01-27T20:28:53	2016-01-27T20:28:51			
[s] Observation end time (MET)	570322113.184562	570322112.15956			
Observation end date	2016-01-27T22:48:33	2016-01-27T22:48:32			
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)	2016.01.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.44640011096

A.2 Comments