

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 51800 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 30 2015

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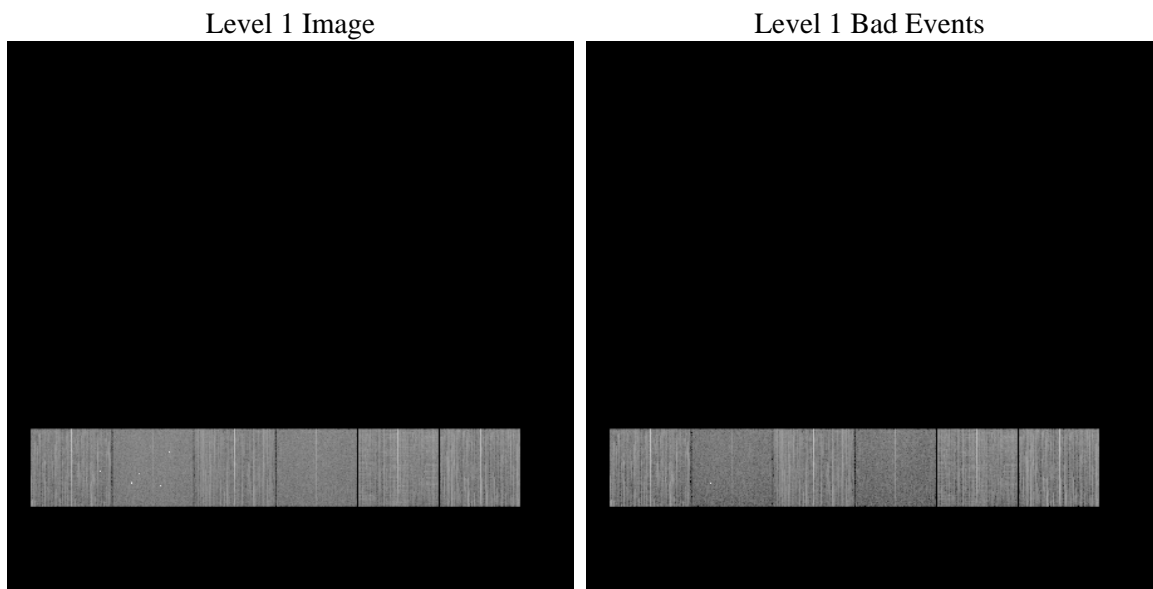
1 Front

seq_num	 	Sequence number
obs_id	51800	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	280.97434711548	Nominal RA [deg]
dec_nom	0.98674950056246	Nominal Dec [deg]
roll_nom	174.59040239401	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8454.0440226793	Sum of GTIs [s]
livetime	8346.99382685	Livetime [s]
ontime4	8453.9209026098	Sum of GTIs [s]
ontime5	8454.0029826164	Sum of GTIs [s]
ontime6	8453.9619426727	Sum of GTIs [s]
ontime7	8454.0440226793	Sum of GTIs [s]
ontime8	8453.8798626661	Sum of GTIs [s]
ontime9	8454.085062623	Sum of GTIs [s]
l2events	181980	Number of level 2 events

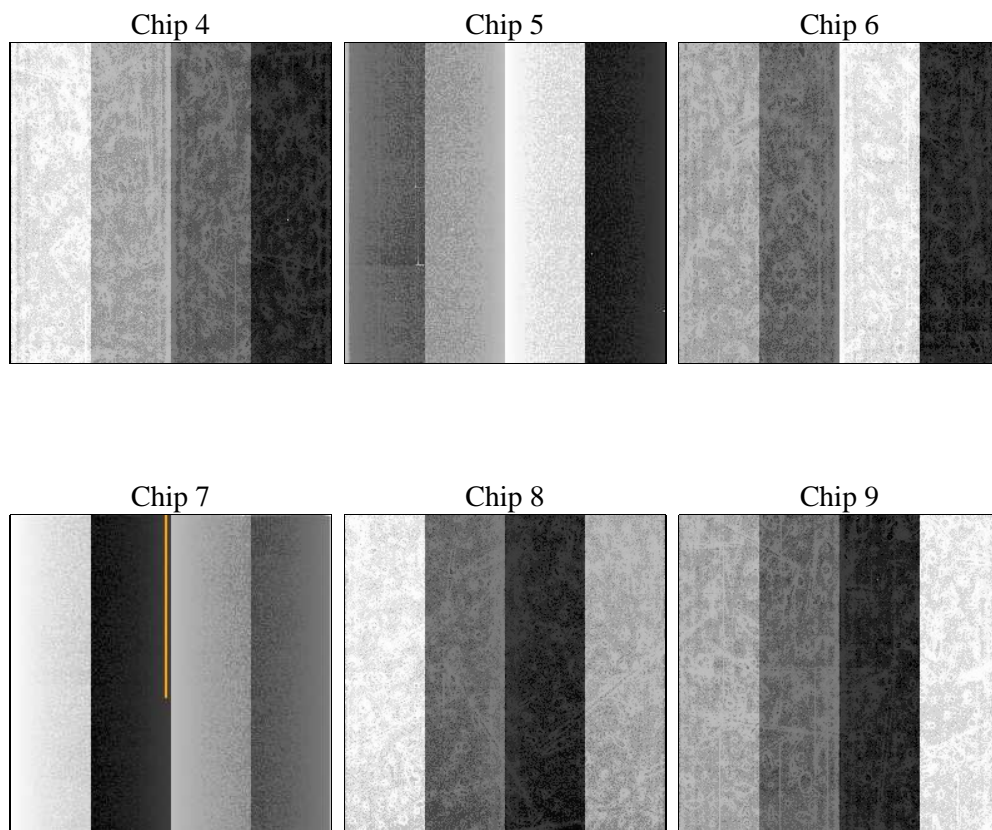
2 OBI

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	Processing system revision	ontime	8454.0440226793	Sum of GTIs [s]
caldsver	4.6.7	 	ontime4	8453.9209026098	Sum of GTIs [s]
date	2015-06-30T14:44:15	Date and time of file creation	ontime5	8454.0029826164	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8453.9619426727	Sum of GTIs [s]
			ontime7	8454.0440226793	Sum of GTIs [s]
			ontime8	8453.8798626661	Sum of GTIs [s]
			ontime9	8454.085062623	Sum of GTIs [s]
			l1events	844936	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	143475	131047	147211	116143	153988	153072	grade 0 events	13728	8488	10982	5963	13261	11070
rejected events	118911	74298	123888	67683	122166	130232		9%	6%	7%	5%	8%	7%
rejected %	82%	56%	84%	58%	79%	85%	grade 1 events	100	134	57	93	84	76
								0%	0%	0%	0%	0%	0%
							grade 2 events	4429	19304	4994	12133	6899	4642
								3%	14%	3%	10%	4%	3%
							grade 3 events	1677	1782	1626	3841	2522	1626
								1%	1%	1%	3%	1%	1%
							grade 4 events	1620	1714	1549	3818	2407	1548
								1%	1%	1%	3%	1%	1%
							grade 5 events	3106	6823	3002	7541	4124	3496
								2%	5%	2%	6%	2%	2%
							grade 6 events	3119	25484	4173	22721	6741	3962
								2%	19%	2%	19%	4%	2%
							grade 7 events	115696	67318	120828	60033	117950	126652
								80%	51%	82%	51%	76%	82%

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	280.9743471154751	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	0.9867495005624596	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	174.5904023940052	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	552031384.0615	552031383.0365			
Observation start date	2015-06-30T06:03:04	2015-06-30T06:03:03			
[s] Observation end time (MET)	552041562.312072	552041561.28707			
Observation end date	2015-06-30T08:52:42	2015-06-30T08:52:41			
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)	2015.06.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4540440226793

A.2 Comments