

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51547 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 24 2015

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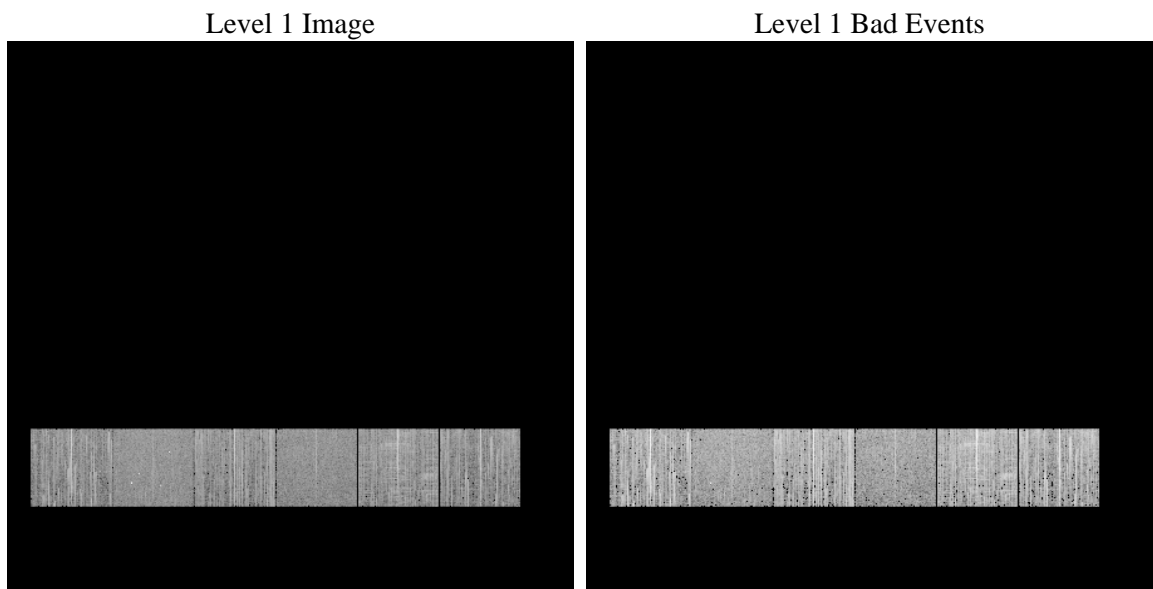
1 Front

seq_num	 	Sequence number
obs_id	51547	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	15.224886632225	Nominal RA [deg]
dec_nom	5.4851333418004	Nominal Dec [deg]
roll_nom	296.26621073863	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3398.4000506401	Sum of GTIs [s]
livetime	3355.3674629281	Livetime [s]
ontime4	3398.4000506401	Sum of GTIs [s]
ontime5	3398.4000506401	Sum of GTIs [s]
ontime6	3398.4000506401	Sum of GTIs [s]
ontime7	3398.4000506401	Sum of GTIs [s]
ontime8	3398.4000506401	Sum of GTIs [s]
ontime9	3398.4000506401	Sum of GTIs [s]
l2events	77587	Number of level 2 events

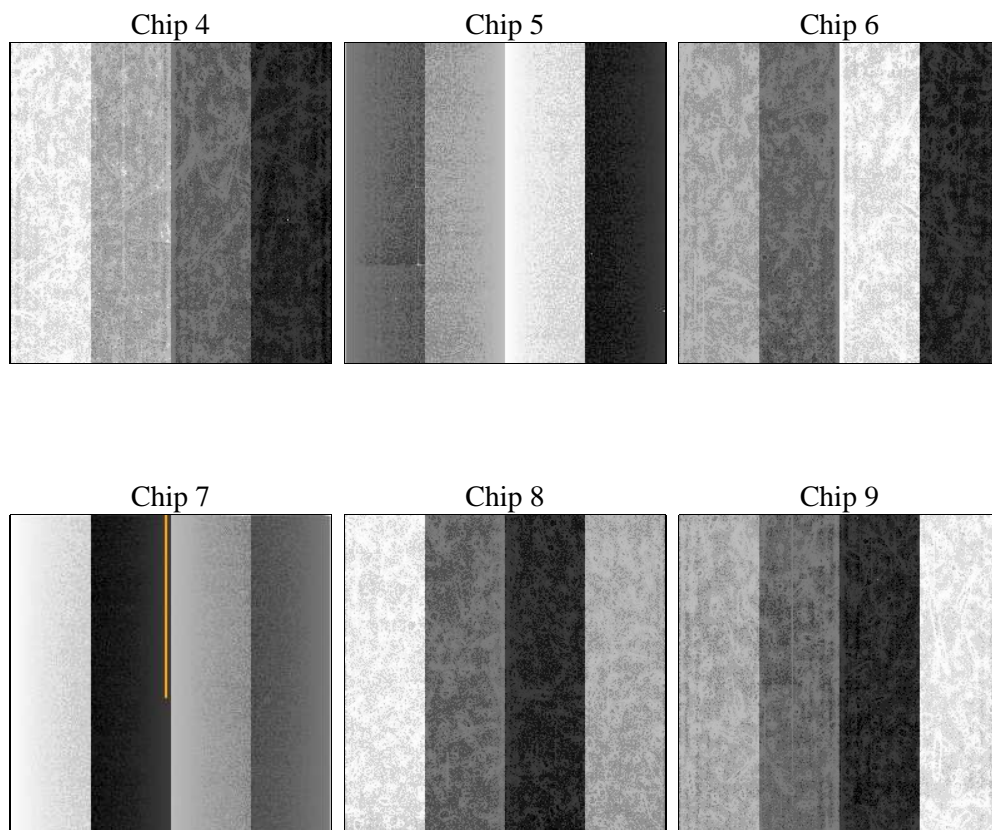
2 OBI

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	10.4.2.1	Processing system revision	ontime	3398.4000506401	Sum of GTIs [s]
caldbver	4.6.10a	 	ontime4	3398.4000506401	Sum of GTIs [s]
date	2015-10-24T22:29:27	Date and time of file creation	ontime5	3398.4000506401	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3398.4000506401	Sum of GTIs [s]
			ontime7	3398.4000506401	Sum of GTIs [s]
			ontime8	3398.4000506401	Sum of GTIs [s]
			ontime9	3398.4000506401	Sum of GTIs [s]
			l1events	364998	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	60490	56986	66210	50463	69906	60943	grade 0 events	4725	2739	4429	2434	5712	4473
rejected events	51053	32721	56639	29697	55749	51546		7%	4%	6%	4%	8%	7%
rejected %	84%	57%	85%	58%	79%	84%	grade 1 events	37	49	19	35	42	27
								0%	0%	0%	0%	0%	0%
							grade 2 events	1869	8556	2038	5238	2998	1914
								3%	15%	3%	10%	4%	3%
							grade 3 events	740	825	632	1583	1280	699
								1%	1%	0%	3%	1%	1%
							grade 4 events	676	700	625	1614	1156	649
								1%	1%	0%	3%	1%	1%
							grade 5 events	1269	2727	1315	3322	1910	1568
								2%	4%	1%	6%	2%	2%
							grade 6 events	1427	11445	1847	9897	3011	1662
								2%	20%	2%	19%	4%	2%
							grade 7 events	49747	29945	55305	26340	53797	49951
								82%	52%	83%	52%	76%	81%

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	15.22488663222498	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	5.485133341800365	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	296.2662107386311	[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)	562049202.4155819	562049201.3905801			
Observation start date	2015-10-24T04:46:42	2015-10-24T04:46:41			
[s] Observation end time (MET)	562067884.0666389	562067883.04164			
Observation end date	2015-10-24T09:58:04	2015-10-24T09:58:03			
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)	2015.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.3984000506401

A.2 Comments