

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 52254 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 16 2014

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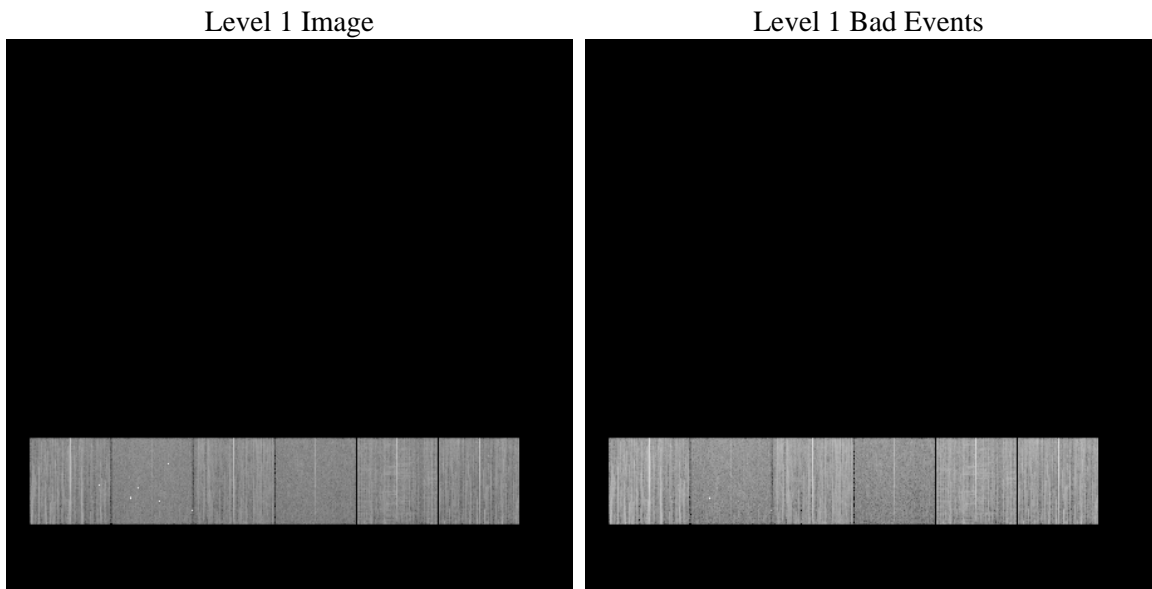
1 Front

seq_num	 	Sequence number
obs_id	52254	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	95.159088006929	Nominal RA [deg]
dec_nom	29.879605767321	Nominal Dec [deg]
roll_nom	165.87696186996	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8140.0122262836	Sum of GTIs [s]
livetime	8036.9384901474	Livetime [s]
ontime4	8139.8891062737	Sum of GTIs [s]
ontime5	8139.9711862803	Sum of GTIs [s]
ontime6	8139.930146277	Sum of GTIs [s]
ontime7	8140.0122262836	Sum of GTIs [s]
ontime8	8139.8480662704	Sum of GTIs [s]
ontime9	8140.0532662868	Sum of GTIs [s]
l2events	192707	Number of level 2 events

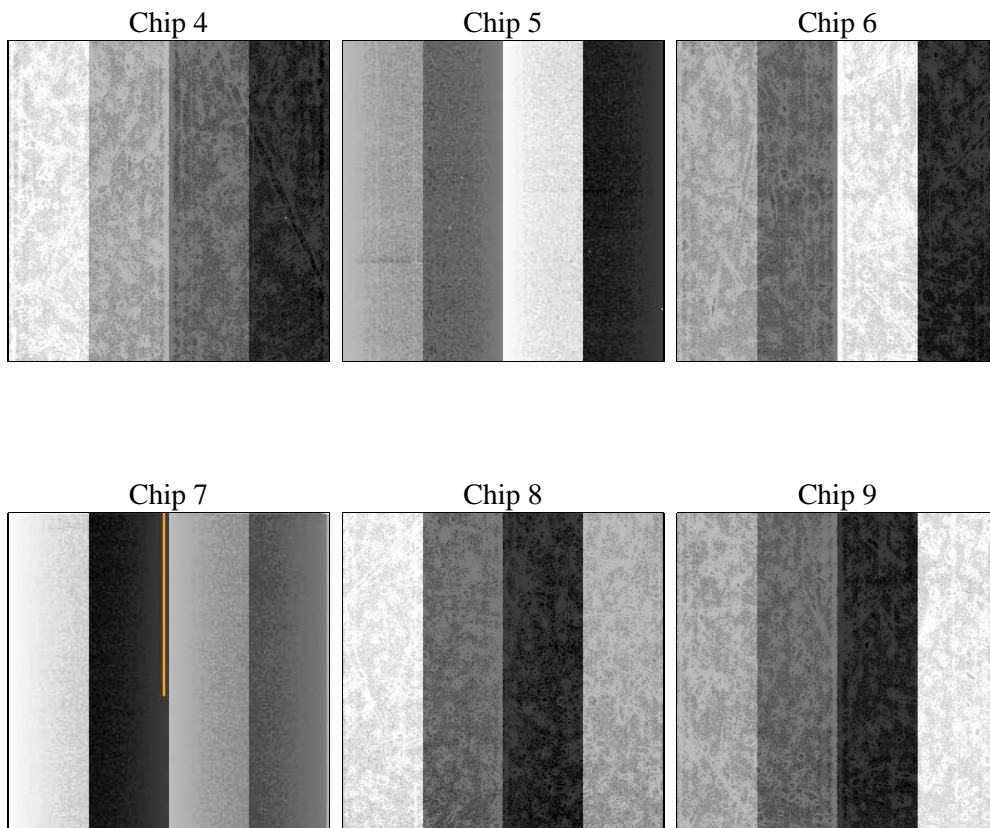
2 OBI

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	10.3.1	Processing system revision	ontime	8140.0122262836	Sum of GTIs [s]
caldsver	4.6.5	 	ontime4	8139.8891062737	Sum of GTIs [s]
date	2014-12-16T23:42:39	Date and time of file creation	ontime5	8139.9711862803	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8139.930146277	Sum of GTIs [s]
			ontime7	8140.0122262836	Sum of GTIs [s]
			ontime8	8139.8480662704	Sum of GTIs [s]
			ontime9	8140.0532662868	Sum of GTIs [s]
			l1events	927813	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	170500	141490	164144	124256	168956	158467	grade 0 events	14502	11970	12017	6644	14820	11748
rejected events	144717	78173	139558	73045	134162	134729		8%	8%	7%	5%	8%	7%
rejected %	84%	55%	85%	58%	79%	85%	grade 1 events	115	357	75	96	107	73
								0%	0%	0%	0%	0%	0%
							grade 2 events	4860	20969	5247	12898	7750	4873
								2%	14%	3%	10%	4%	3%
							grade 3 events	1795	2078	1642	4140	2737	1702
								1%	1%	1%	3%	1%	1%
							grade 4 events	1671	2100	1640	4055	2640	1641
								0%	1%	0%	3%	1%	1%
							grade 5 events	3321	6500	3305	7837	4369	3765
								1%	4%	2%	6%	2%	2%
							grade 6 events	3397	27315	4456	24346	7479	4200
								1%	19%	2%	19%	4%	2%
							grade 7 events	140839	70201	135762	64240	129054	130465
								82%	49%	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	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	95.15908800692893	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	29.87960576732061	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	165.876961869959	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	535084797.762957	535084797.762957			
Observation start date	2014-12-16T02:39:58	2014-12-16T02:39:57			
[s] Observation end time (MET)	535093644.230381	535093644.230381			
Observation end date	2014-12-16T05:07:24	2014-12-16T05:07:24			
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)	2014.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1400122262836

A.2 Comments