

V&V Reference Report

L2 ASCDS Version : 10.3

Observation 52332 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 9 2014

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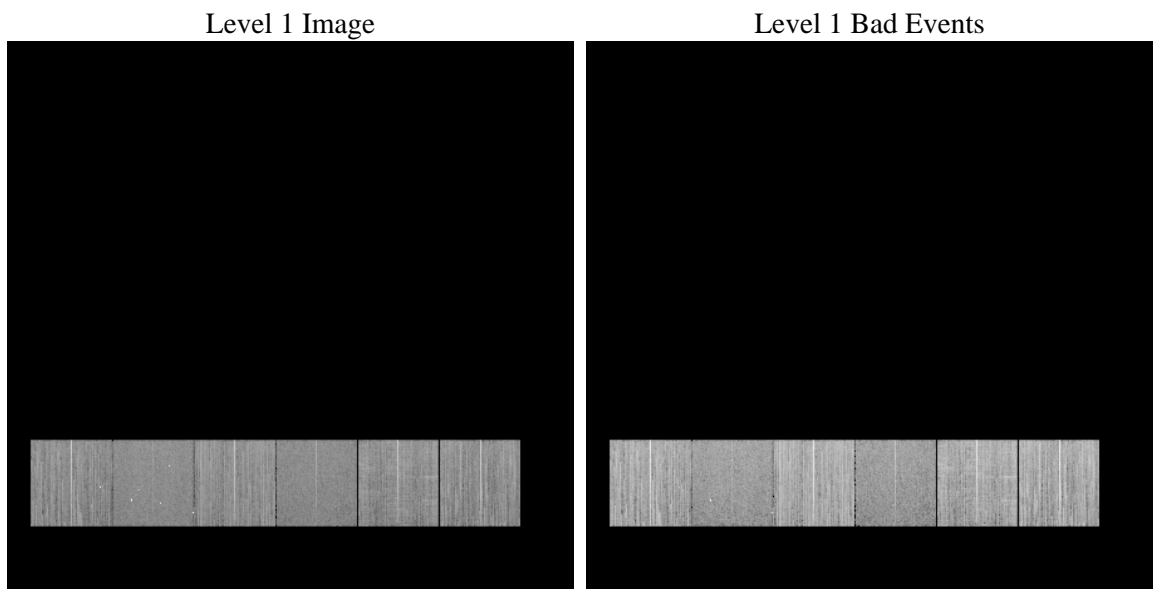
1 Front

seq_num	 	Sequence number
obs_id	52332	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	55.116190825598	Nominal RA [deg]
dec_nom	33.436585669464	Nominal Dec [deg]
roll_nom	146.1244902919	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8115.1999698281	Sum of GTIs [s]
livetime	8012.4404214234	Livetime [s]
ontime4	8115.1999698281	Sum of GTIs [s]
ontime5	8115.1999698281	Sum of GTIs [s]
ontime6	8115.1999698281	Sum of GTIs [s]
ontime7	8115.1999698281	Sum of GTIs [s]
ontime8	8115.1999698281	Sum of GTIs [s]
ontime9	8115.1999698281	Sum of GTIs [s]
l2events	197353	Number of level 2 events

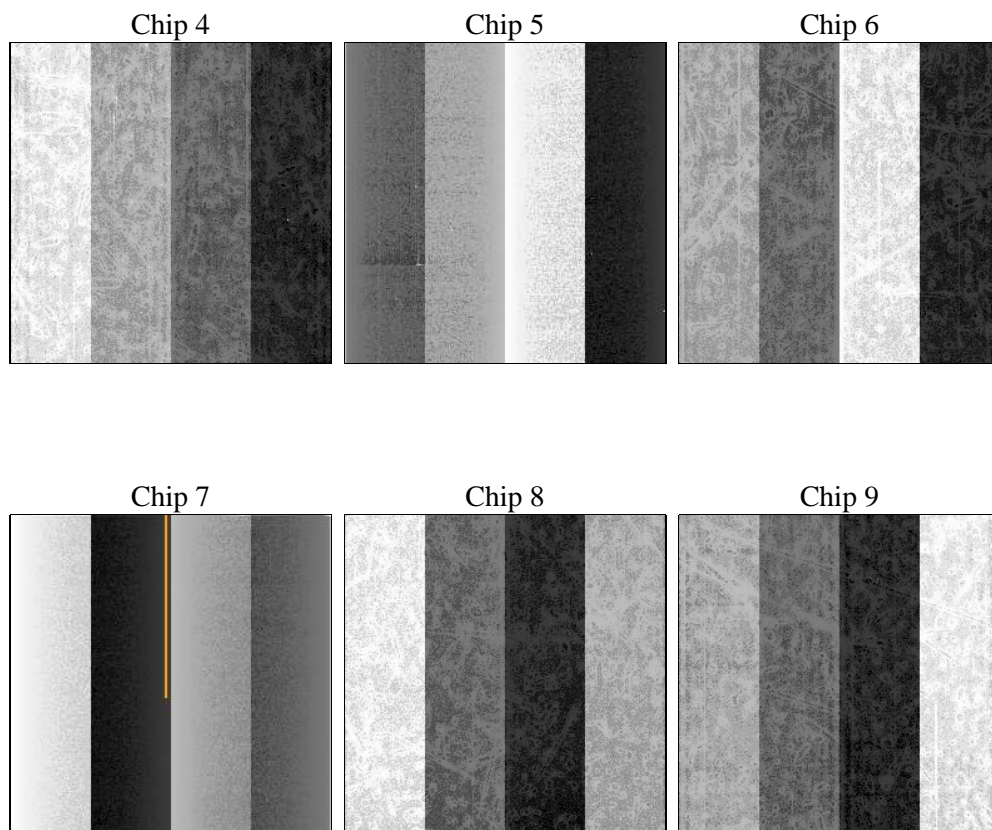
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	8115.1999698281	Sum of GTIs [s]
caldsver	4.6.4	 	ontime4	8115.1999698281	Sum of GTIs [s]
date	2014-11-09T13:23:40	Date and time of file creation	ontime5	8115.1999698281	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8115.1999698281	Sum of GTIs [s]
			ontime7	8115.1999698281	Sum of GTIs [s]
			ontime8	8115.1999698281	Sum of GTIs [s]
			ontime9	8115.1999698281	Sum of GTIs [s]
			l1events	864174	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	147076	131270	158813	118051	155033	153931	grade 0 events	15236	8506	12925	6991	15377	12886
rejected events	120039	72783	132351	67127	120026	128211		10%	6%	8%	5%	9%	8%
rejected %	81%	55%	83%	56%	77%	83%	grade 1 events	146	176	73	84	80	88
								0%	0%	0%	0%	0%	0%
							grade 2 events	4967	21289	5653	12872	7715	5229
								3%	16%	3%	10%	4%	3%
							grade 3 events	1906	2020	1833	4141	2927	1883
								1%	1%	1%	3%	1%	1%
							grade 4 events	1819	2044	1768	4046	2775	1732
								1%	1%	1%	3%	1%	1%
							grade 5 events	2996	6309	3142	7574	4063	3404
								2%	4%	1%	6%	2%	2%
							grade 6 events	3838	25910	4959	24001	7301	4675
								2%	19%	3%	20%	4%	3%
							grade 7 events	116168	65016	128460	58342	114795	124034
								78%	49%	80%	49%	74%	80%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	55.11619082559807
[deg] Pointing Dec	0	33.43658566946374
[deg] Pointing Roll	0.0	146.1244902918953
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	531883718.484643	531883718.484643
Observation start date	2014-11-09T01:28:38	2014-11-09T01:28:38
[s] Observation end time (MET)	531893267.289394	531893267.289394
Observation end date	2014-11-09T04:07:47	2014-11-09T04:07:47
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.11.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1151999698281

A.2 Comments