

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53235 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 14 2013

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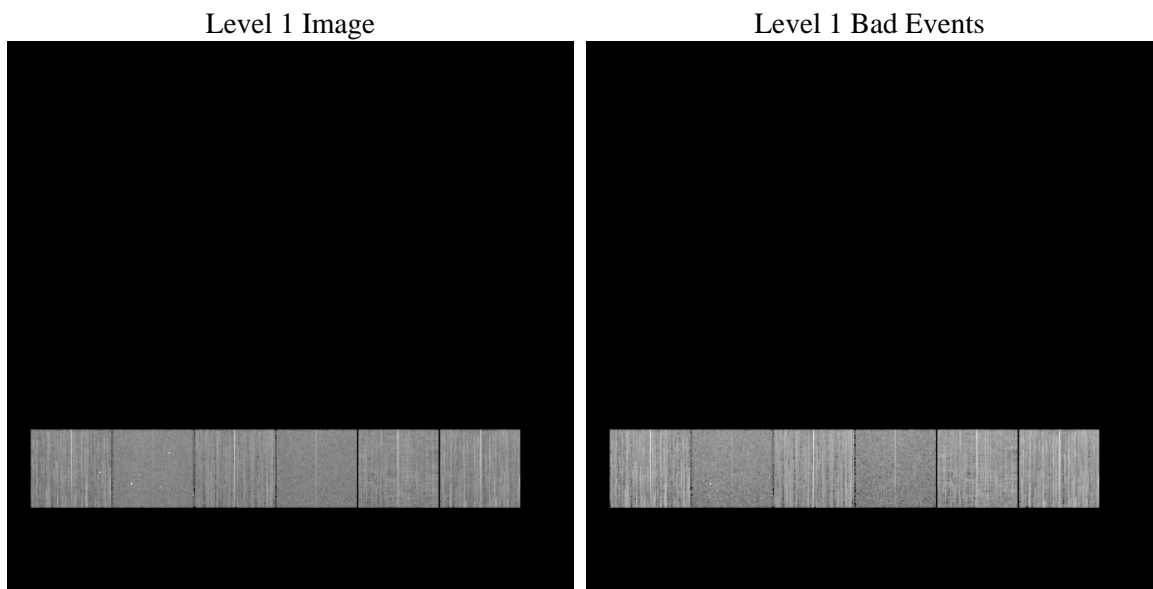
1 Front

seq_num	 	Sequence number
obs_id	53235	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	101.22528270826	Nominal RA [deg]
dec_nom	-20.852868711702	Nominal Dec [deg]
roll_nom	56.835758271645	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8019.1999701858	Sum of GTIs [s]
livetime	7917.6560315808	Livetime [s]
ontime4	8019.1999701858	Sum of GTIs [s]
ontime5	8019.1999701858	Sum of GTIs [s]
ontime6	8019.1999701858	Sum of GTIs [s]
ontime7	8019.1999701858	Sum of GTIs [s]
ontime8	8019.1999701858	Sum of GTIs [s]
ontime9	8019.1999701858	Sum of GTIs [s]
l2events	210841	Number of level 2 events

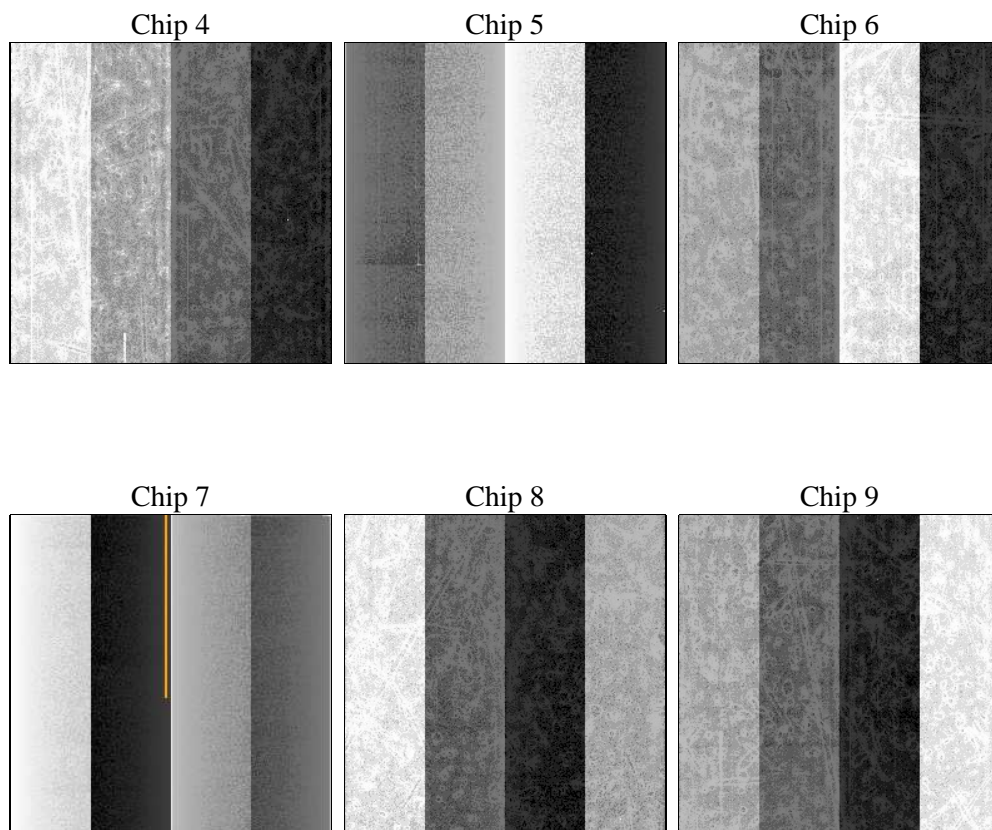
2 OBI

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	10.1.1	Processing system revision	ontime	8019.1999701858	Sum of GTIs [s]
caldsver	4.5.8	 	ontime4	8019.1999701858	Sum of GTIs [s]
date	2013-11-14T19:42:11	Date and time of file creation	ontime5	8019.1999701858	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8019.1999701858	Sum of GTIs [s]
			ontime7	8019.1999701858	Sum of GTIs [s]
			ontime8	8019.1999701858	Sum of GTIs [s]
			ontime9	8019.1999701858	Sum of GTIs [s]
			l1events	855104	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	147829	128955	147459	117152	151479	162230	grade 0 events	17784	7989	15165	7761	17533	15129
rejected events	117376	71174	117478	65243	113805	133226		12%	6%	10%	6%	11%	9%
rejected %	79%	55%	79%	55%	75%	82%	grade 1 events	111	142	65	83	96	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	5561	21755	6144	12988	7860	5827
								3%	16%	4%	11%	5%	3%
							grade 3 events	2053	2152	2091	4497	3005	2031
								1%	1%	1%	3%	1%	1%
							grade 4 events	1973	2064	2116	4399	2879	1988
								1%	1%	1%	3%	1%	1%
							grade 5 events	3039	5847	3038	7316	3915	3415
								2%	4%	2%	6%	2%	2%
							grade 6 events	4080	25779	5431	23925	7574	4963
								2%	19%	3%	20%	5%	3%
							grade 7 events	113228	63227	113409	56183	108617	128788
								76%	49%	76%	47%	71%	79%

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	101.2252827082608
[deg] Pointing Dec	0	-20.85286871170201
[deg] Pointing Roll	0.0	56.83575827164477
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)	500811317.368554	500811317.368554
Observation start date	2013-11-14T10:15:17	2013-11-14T10:15:17
[s] Observation end time (MET)	500820866.278108	500820866.278108
Observation end date	2013-11-14T12:54:26	2013-11-14T12:54:26
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.11.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0191999701858

A.2 Comments