

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 52034 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 5 2015

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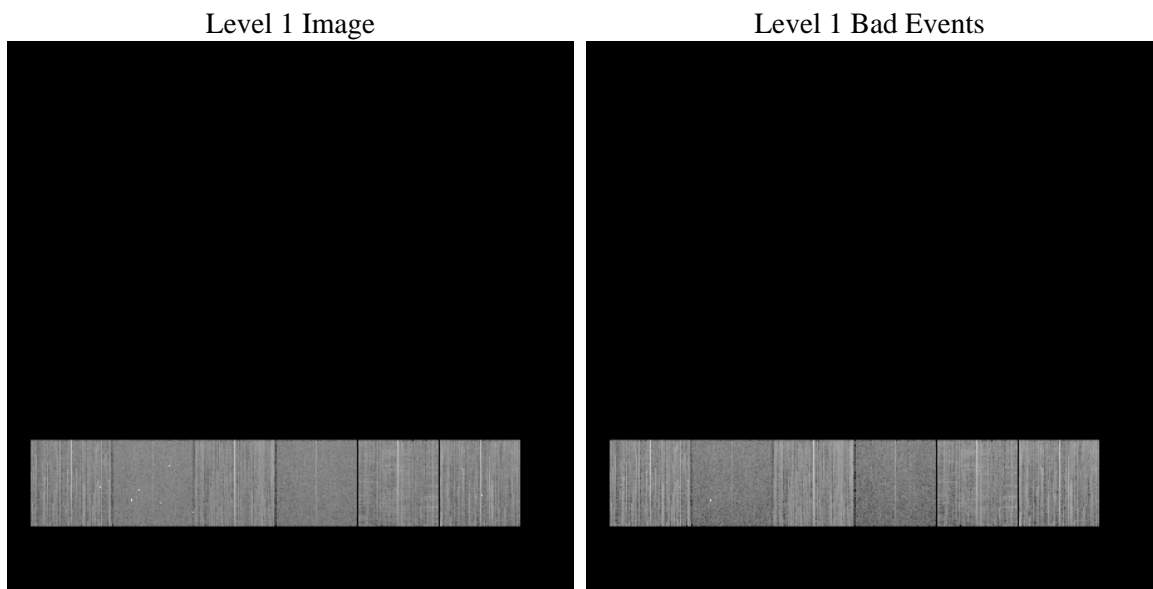
1 Front

seq_num	 	Sequence number
obs_id	52034	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	151.16205970891	Nominal RA [deg]
dec_nom	3.3415085617756	Nominal Dec [deg]
roll_nom	286.63212197771	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8047.258697629	Sum of GTIs [s]
livetime	7945.3594625221	Livetime [s]
ontime4	8047.1355775595	Sum of GTIs [s]
ontime5	8047.2176575661	Sum of GTIs [s]
ontime6	8047.1766176224	Sum of GTIs [s]
ontime7	8047.258697629	Sum of GTIs [s]
ontime8	8043.853557229	Sum of GTIs [s]
ontime9	8047.2997375727	Sum of GTIs [s]
l2events	177125	Number of level 2 events

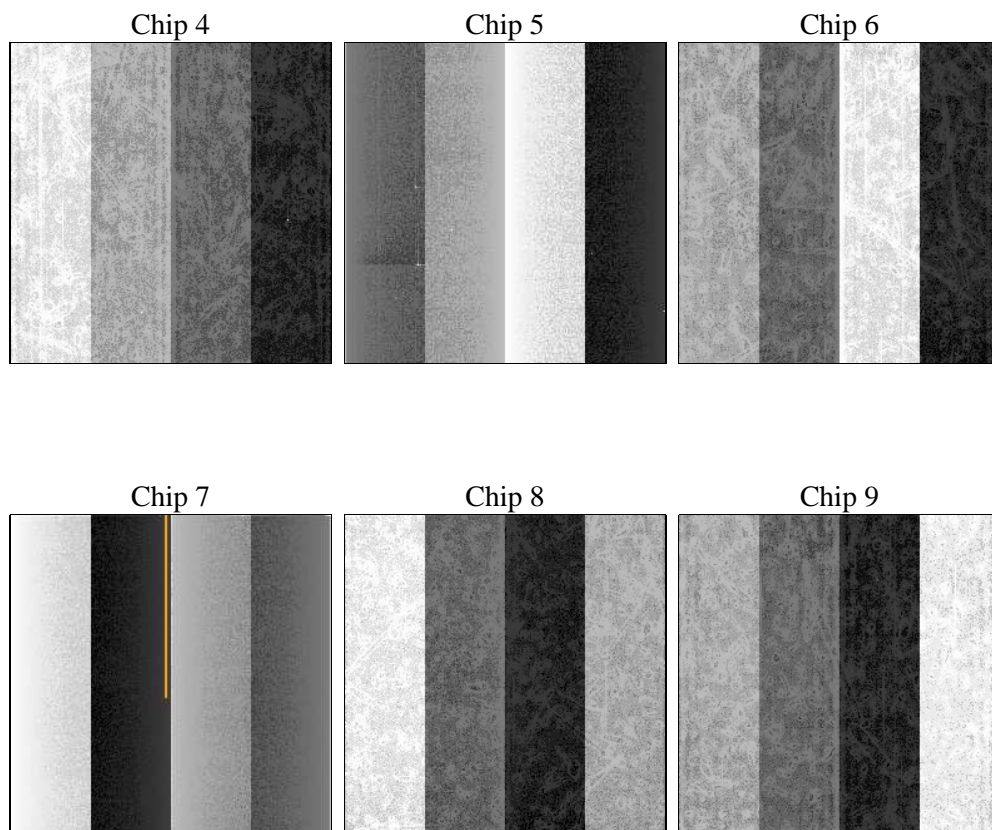
2 OBI

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	10.3.3	Processing system revision	ontime	8047.258697629	Sum of GTIs [s]
caldsver	4.6.7	 	ontime4	8047.1355775595	Sum of GTIs [s]
date	2015-03-05T23:00:43	Date and time of file creation	ontime5	8047.2176575661	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8047.1766176224	Sum of GTIs [s]
			ontime7	8047.258697629	Sum of GTIs [s]
			ontime8	8043.853557229	Sum of GTIs [s]
			ontime9	8047.2997375727	Sum of GTIs [s]
			l1events	842534	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	148359	126056	155996	112119	147510	152494	grade 0 events	13800	7632	11399	6112	13747	13854
rejected events	124033	72054	132834	65916	115991	127520		9%	6%	7%	5%	9%	9%
rejected %	83%	57%	85%	58%	78%	83%	grade 1 events	118	134	59	85	75	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	4560	19462	5017	11777	6938	4620
								3%	15%	3%	10%	4%	3%
							grade 3 events	1708	1821	1603	3738	2569	1614
								1%	1%	1%	3%	1%	1%
							grade 4 events	1681	1746	1617	3768	2562	1589
								1%	1%	1%	3%	1%	1%
							grade 5 events	3066	5754	2969	7090	3986	3310
								2%	4%	1%	6%	2%	2%
							grade 6 events	3268	24831	4239	22271	6543	4040
								2%	19%	2%	19%	4%	2%
							grade 7 events	120158	64676	129093	57278	111090	123403
								80%	51%	82%	51%	75%	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	151.1620597089052
[deg] Pointing Dec	0	3.34150856177559
[deg] Pointing Roll	0.0	286.6321219777146
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)	541935588.595475	541935588.595475
Observation start date	2015-03-05T09:39:49	2015-03-05T09:39:48
[s] Observation end time (MET)	541945135.71343	541945135.71343
Observation end date	2015-03-05T12:18:56	2015-03-05T12:18:55
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.03.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.047258697629

A.2 Comments