

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 52165 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 16 2015

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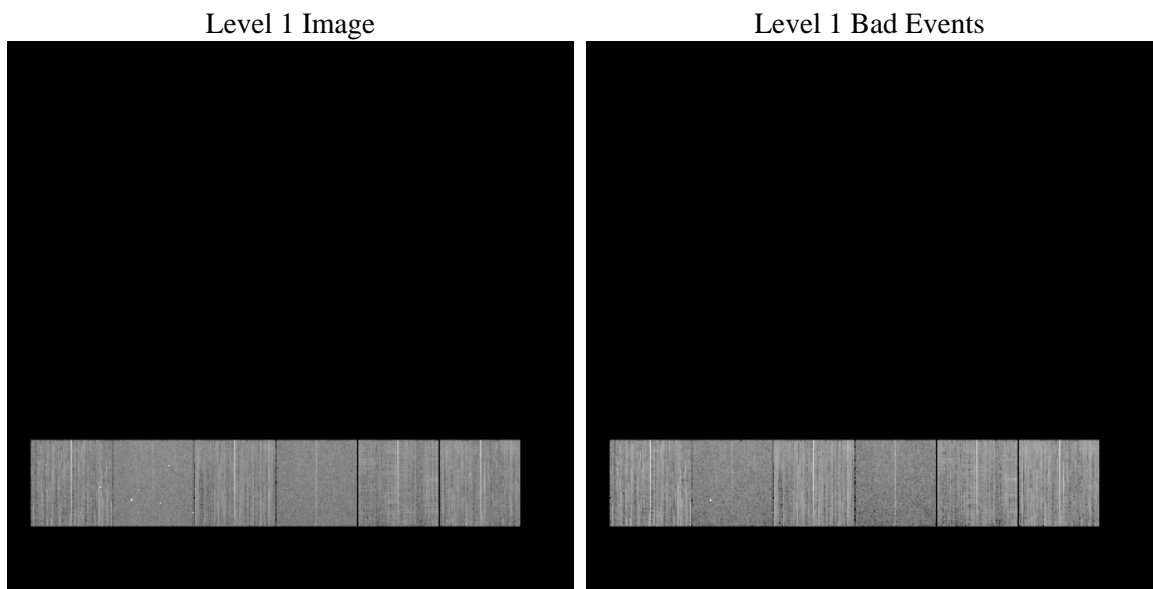
1 Front

seq_num	 	Sequence number
obs_id	52165	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	115.5257752272	Nominal RA [deg]
dec_nom	-3.0869365433829	Nominal Dec [deg]
roll_nom	354.03965880024	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8076.8001203537	Sum of GTIs [s]
livetime	7974.5268139646	Livetime [s]
ontime4	8076.8001203537	Sum of GTIs [s]
ontime5	8076.8001203537	Sum of GTIs [s]
ontime6	8076.8001203537	Sum of GTIs [s]
ontime7	8076.8001203537	Sum of GTIs [s]
ontime8	8076.8001203537	Sum of GTIs [s]
ontime9	8076.8001203537	Sum of GTIs [s]
l2events	185801	Number of level 2 events

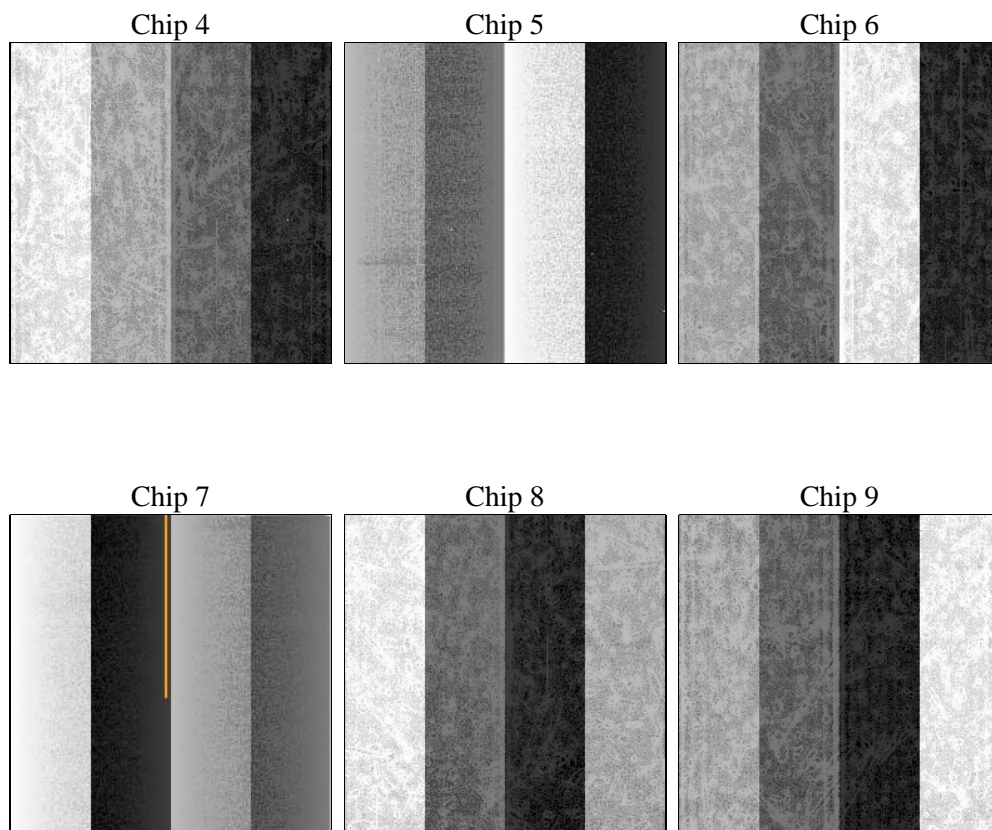
2 OBI

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	8076.8001203537	Sum of GTIs [s]
caldsver	4.6.5	 	ontime4	8076.8001203537	Sum of GTIs [s]
date	2015-01-17T04:10:21	Date and time of file creation	ontime5	8076.8001203537	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8076.8001203537	Sum of GTIs [s]
			ontime7	8076.8001203537	Sum of GTIs [s]
			ontime8	8076.8001203537	Sum of GTIs [s]
			ontime9	8076.8001203537	Sum of GTIs [s]
			l1events	867713	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	150751	134097	154275	120526	150390	157674	grade 0 events	14648	7053	11694	6373	14631	11886
rejected events	125337	77816	130490	71360	116688	134103		9%	5%	7%	5%	9%	7%
rejected %	83%	58%	84%	59%	77%	85%	grade 1 events	115	156	68	73	78	84
								0%	0%	0%	0%	0%	0%
							grade 2 events	4680	20462	4994	12486	7378	4749
								3%	15%	3%	10%	4%	3%
							grade 3 events	1751	1876	1701	3985	2835	1675
								1%	1%	1%	3%	1%	1%
							grade 4 events	1668	1856	1674	3923	2677	1701
								1%	1%	1%	3%	1%	1%
							grade 5 events	3170	6232	3250	7629	4126	3517
								2%	4%	2%	6%	2%	2%
							grade 6 events	3279	26422	4371	23569	6907	4140
								2%	19%	2%	19%	4%	2%
							grade 7 events	121440	70040	126523	62488	111758	129922
								80%	52%	82%	51%	74%	82%

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	115.5257752272
[deg] Pointing Dec	0	-3.086936543382915
[deg] Pointing Roll	0.0	354.0396588002381
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)	537824055.065711	537824055.065711
Observation start date	2015-01-16T19:34:15	2015-01-16T19:34:15
[s] Observation end time (MET)	537833603.008904	537833603.008904
Observation end date	2015-01-16T22:13:23	2015-01-16T22:13:23
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)	2015.01.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0768001203537

A.2 Comments