

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 54678 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 25 2012

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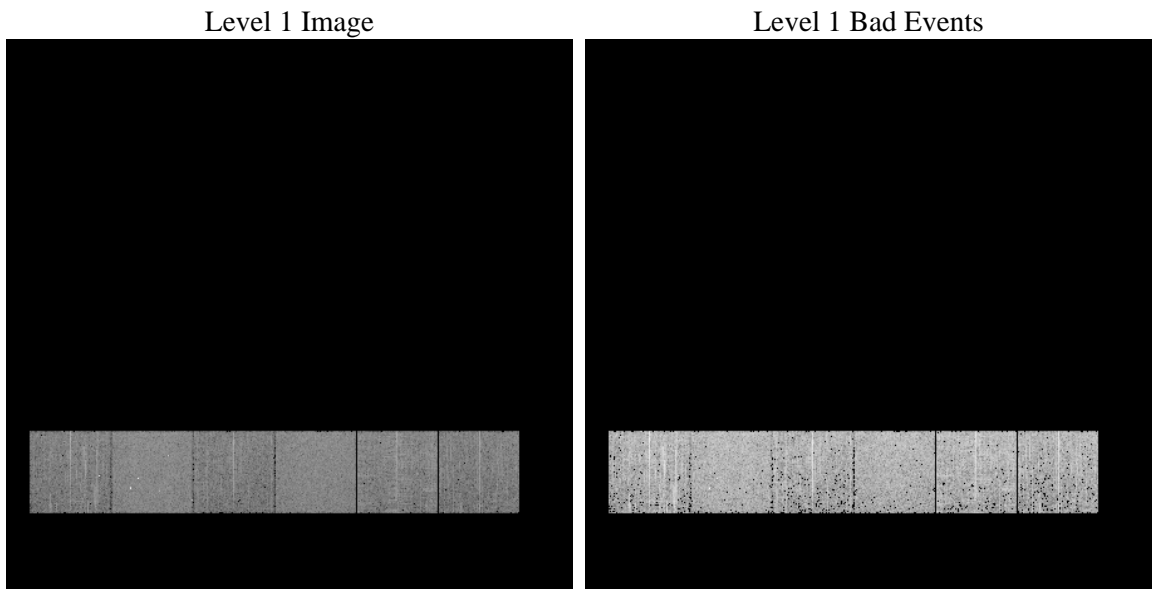
1 Front

seq_num	 	Sequence number
obs_id	54678	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	318.70684224575	Nominal RA [deg]
dec_nom	-37.47707163099	Nominal Dec [deg]
roll_nom	110.2892834999	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3067.6206169128	Sum of GTIs [s]
livetime	3028.7765575621	Livetime [s]
ontime4	3067.4974969029	Sum of GTIs [s]
ontime5	3067.5795769095	Sum of GTIs [s]
ontime6	3067.5385369062	Sum of GTIs [s]
ontime7	3067.6206169128	Sum of GTIs [s]
ontime8	3067.4564568996	Sum of GTIs [s]
ontime9	3067.6616569161	Sum of GTIs [s]
l2events	107577	Number of level 2 events

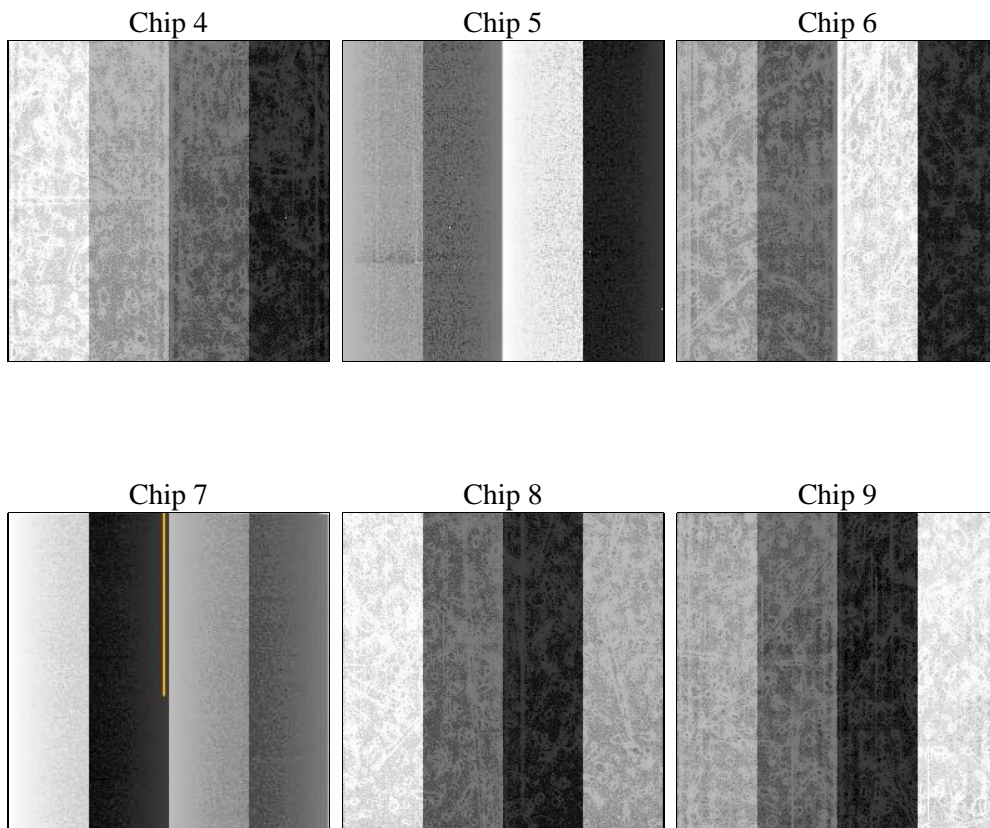
2 OBI

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	8.4.4	Processing system revision	ontime	3067.6206169128	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	3067.4974969029	Sum of GTIs [s]
date	2012-04-25T08:41:01	Date and time of file creation	ontime5	3067.5795769095	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3067.5385369062	Sum of GTIs [s]
			ontime7	3067.6206169128	Sum of GTIs [s]
			ontime8	3067.4564568996	Sum of GTIs [s]
			ontime9	3067.6616569161	Sum of GTIs [s]
			l1events	265494	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	40976	53144	38045	49136	45848	38345	grade 0 events	9491	4361	8704	4475	9885	8468
rejected events	25515	25004	22209	23591	26350	23013		23%	8%	22%	9%	21%	22%
rejected %	62%	47%	58%	48%	57%	60%	grade 1 events	103	111	44	40	53	46
								0%	0%	0%	0%	0%	0%
							grade 2 events	2519	10626	3177	5835	4123	2924
								6%	19%	8%	11%	8%	7%
							grade 3 events	1190	1142	1066	2375	1553	1165
								2%	2%	2%	4%	3%	3%
							grade 4 events	1128	1072	1141	2407	1535	1146
								2%	2%	2%	4%	3%	2%
							grade 5 events	1385	2877	1420	3457	1903	1535
								3%	5%	3%	7%	4%	4%
							grade 6 events	2245	12968	2905	12211	3854	2682
								5%	24%	7%	24%	8%	6%
							grade 7 events	22915	19987	19588	18336	22942	20379
								55%	37%	51%	37%	50%	53%

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	318.706842245748
[deg] Pointing Dec	0	-37.47707163099043
[deg] Pointing Roll	0.0	110.2892834998982
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)	451687067.346396	451687067.346396
Observation start date	2012-04-24T20:37:47	2012-04-24T20:37:47
[s] Observation end time (MET)	451691617.269967	451691617.269967
Observation end date	2012-04-24T21:53:37	2012-04-24T21:53:37
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)	2012.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0676206169128

A.2 Comments