

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 54633 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 6 2012

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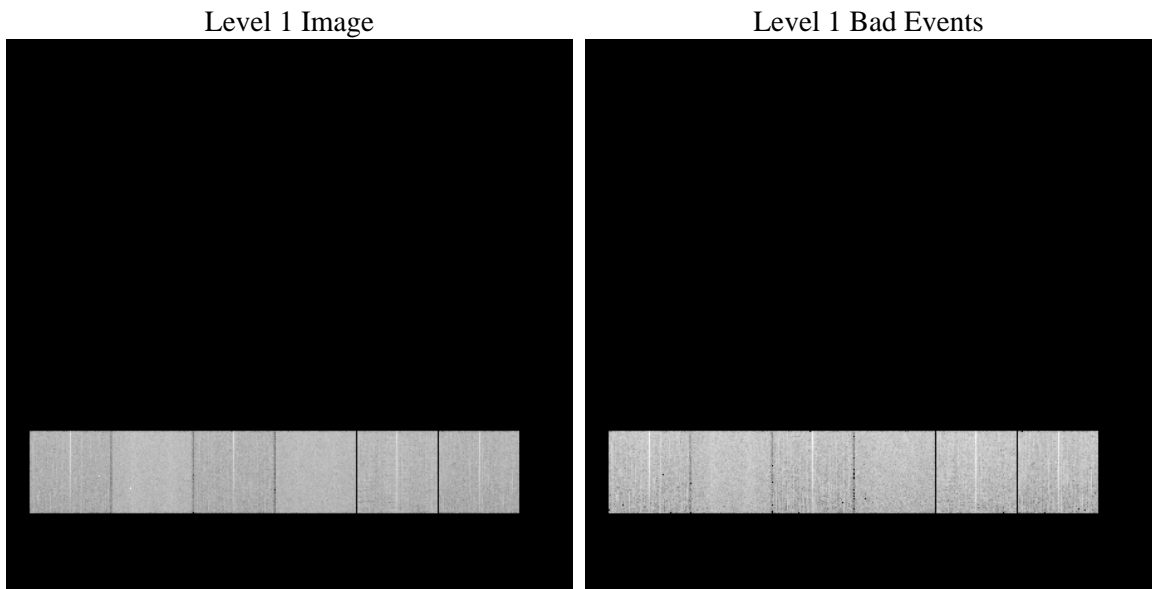
1 Front

seq_num	 	Sequence number
obs_id	54633	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	247.49254919269	Nominal RA [deg]
dec_nom	-27.072981363063	Nominal Dec [deg]
roll_nom	70.007904693198	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8278.3183171153	Sum of GTIs [s]
livetime	8173.4932659791	Livetime [s]
ontime4	8278.1951971054	Sum of GTIs [s]
ontime5	8278.277277112	Sum of GTIs [s]
ontime6	8278.2362371087	Sum of GTIs [s]
ontime7	8278.3183171153	Sum of GTIs [s]
ontime8	8278.1541571021	Sum of GTIs [s]
ontime9	8278.3593571186	Sum of GTIs [s]
l2events	283824	Number of level 2 events

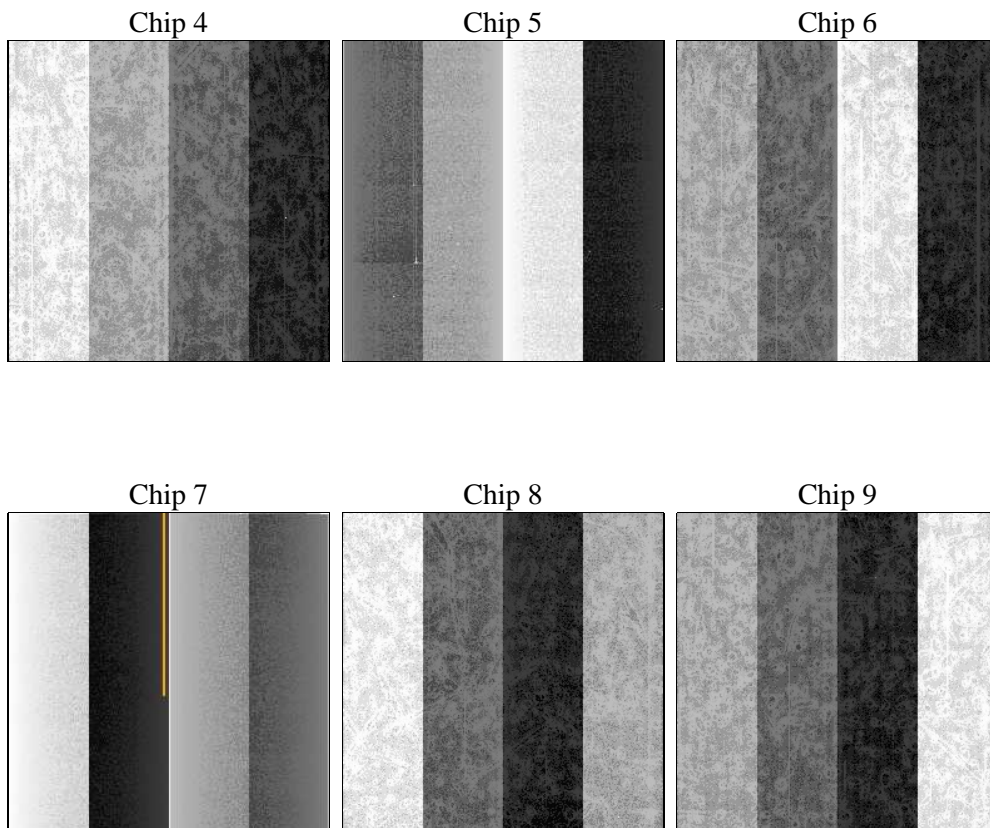
2 OBI

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	8278.3183171153	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8278.1951971054	Sum of GTIs [s]
date	2012-05-06T06:55:01	Date and time of file creation	ontime5	8278.277277112	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8278.2362371087	Sum of GTIs [s]
			ontime7	8278.3183171153	Sum of GTIs [s]
			ontime8	8278.1541571021	Sum of GTIs [s]
			ontime9	8278.3593571186	Sum of GTIs [s]
			l1events	668004	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	98305	131850	97391	124745	116535	99178	grade 0 events	22303	5999	19379	9957	23583	20589
rejected events	59217	61111	56018	57887	65244	59130		22%	4%	19%	7%	20%	20%
rejected %	60%	46%	57%	46%	55%	59%	grade 1 events	184	196	82	85	109	129
								0%	0%	0%	0%	0%	0%
							grade 2 events	5940	26449	9555	15048	10458	7365
								6%	20%	9%	12%	8%	7%
							grade 3 events	2835	2283	2526	5424	3723	2736
								2%	1%	2%	4%	3%	2%
							grade 4 events	2841	2126	2447	5210	3595	2687
								2%	1%	2%	4%	3%	2%
							grade 5 events	3178	6399	3147	8118	4465	3813
								3%	4%	3%	6%	3%	3%
							grade 6 events	5182	33903	7479	31238	9947	6693
								5%	25%	7%	25%	8%	6%
							grade 7 events	55842	54495	52776	49665	60655	55166
								56%	41%	54%	39%	52%	55%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	247.4925491926947	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-27.07298136306323	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	70.00790469319762	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	452625118.696173	452625117.67117			
Observation start date	2012-05-05T17:11:59	2012-05-05T17:11:57			
[s] Observation end time (MET)	452634632.746678	452634631.72168			
Observation end date	2012-05-05T19:50:33	2012-05-05T19:50:31			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783183171153

A.2 Comments