

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54288 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 30 2012

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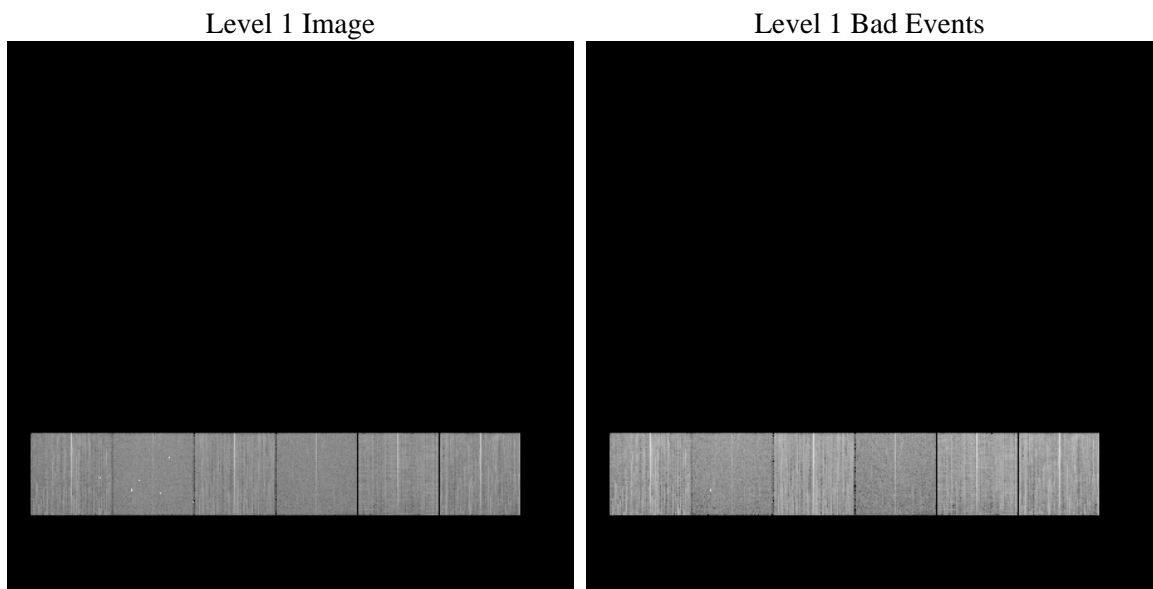
1 Front

seq_num	 	Sequence number
obs_id	54288	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	29.956107013716	Nominal RA [deg]
dec_nom	-8.2130417676741	Nominal Dec [deg]
roll_nom	46.460987638512	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8257.9936465621	Sum of GTIs [s]
livetime	8153.4259586425	Livetime [s]
ontime4	8257.8705265522	Sum of GTIs [s]
ontime5	8257.9526065588	Sum of GTIs [s]
ontime6	8257.9115665555	Sum of GTIs [s]
ontime7	8257.9936465621	Sum of GTIs [s]
ontime8	8257.8294865489	Sum of GTIs [s]
ontime9	8258.0346865654	Sum of GTIs [s]
l2events	275835	Number of level 2 events

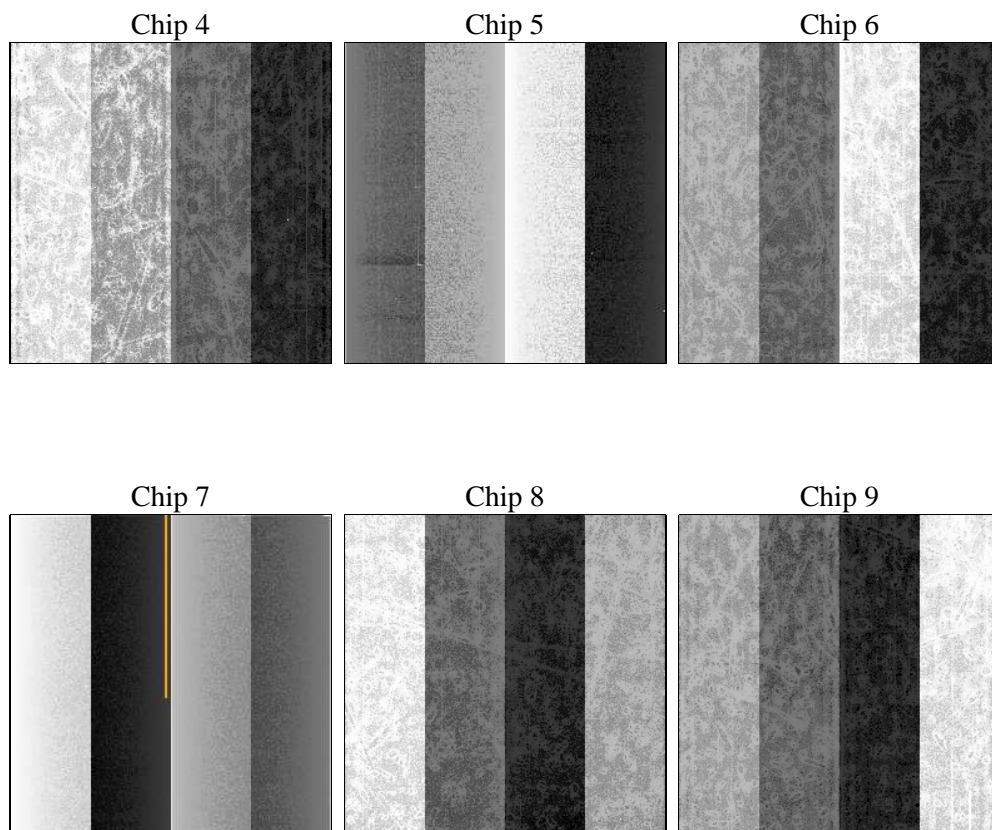
2 OBI

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	8.4.5	Processing system revision	ontime	8257.9936465621	Sum of GTIs [s]
caldbver	4.5.2	 	ontime4	8257.8705265522	Sum of GTIs [s]
date	2012-09-30T23:29:12	Date and time of file creation	ontime5	8257.9526065588	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8257.9115665555	Sum of GTIs [s]
			ontime7	8257.9936465621	Sum of GTIs [s]
			ontime8	8257.8294865489	Sum of GTIs [s]
			ontime9	8258.0346865654	Sum of GTIs [s]
			l1events	986731	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	163210	153278	177179	137206	177845	178013	grade 0 events	22744	11971	20142	10346	22830	19927
rejected events	122888	78780	137303	70954	128202	138883		13%	7%	11%	7%	12%	11%
rejected %	75%	51%	77%	51%	72%	78%	grade 1 events	192	231	82	99	110	111
								0%	0%	0%	0%	0%	0%
							grade 2 events	7027	26611	7906	16318	10155	7529
								4%	17%	4%	11%	5%	4%
							grade 3 events	2685	2833	2591	5601	3669	2700
								1%	1%	1%	4%	2%	1%
							grade 4 events	2721	2753	2654	5641	3699	2582
								1%	1%	1%	4%	2%	1%
							grade 5 events	3491	7162	3363	8233	4487	3659
								2%	4%	1%	6%	2%	2%
							grade 6 events	5272	30551	6734	28560	9438	6503
								3%	19%	3%	20%	5%	3%
							grade 7 events	119078	71166	133707	62408	123457	135002
								72%	46%	75%	45%	69%	75%

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	29.95610701371643
[deg] Pointing Dec	0	-8.213041767674099
[deg] Pointing Roll	0.0	46.46098763851209
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)	465393676.599047	465393676.599047
Observation start date	2012-09-30T12:01:17	2012-09-30T12:01:16
[s] Observation end time (MET)	465403224.210859	465403224.210859
Observation end date	2012-09-30T14:40:24	2012-09-30T14:40:24
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)	2012.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2579936465621

A.2 Comments