

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54732 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 4 2012

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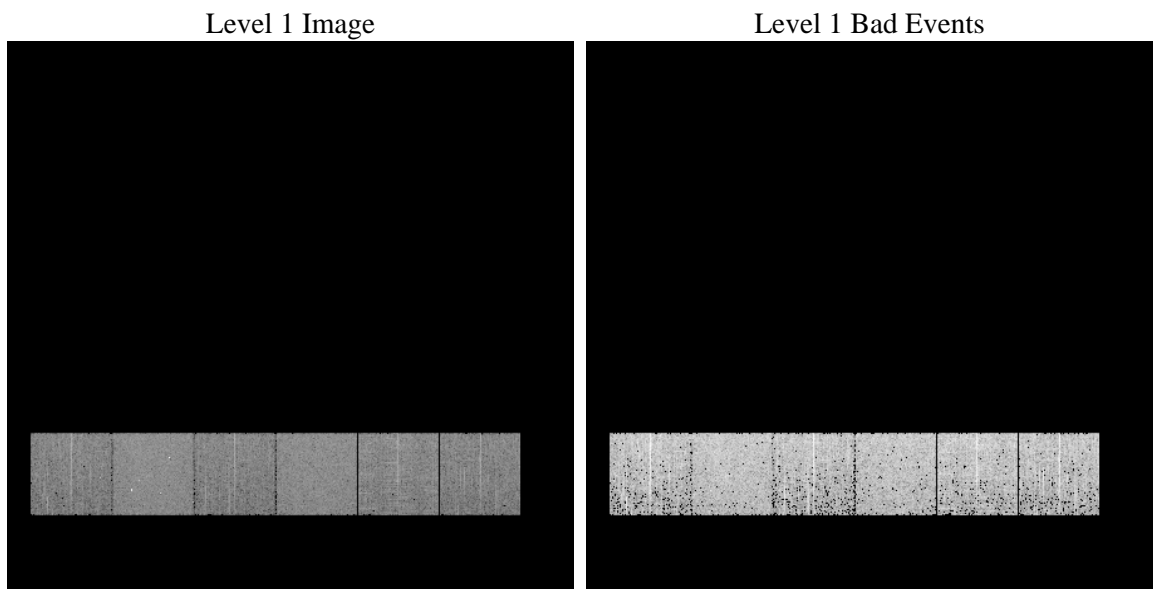
1 Front

seq_num	 	Sequence number
obs_id	54732	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	17.996071634594	Nominal RA [deg]
dec_nom	-45.018812747229	Nominal Dec [deg]
roll_nom	186.43235619826	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3286.2123677135	Sum of GTIs [s]
livetime	3244.6003679939	Livetime [s]
ontime4	3286.0892477036	Sum of GTIs [s]
ontime5	3286.1713277102	Sum of GTIs [s]
ontime6	3286.1302877069	Sum of GTIs [s]
ontime7	3286.2123677135	Sum of GTIs [s]
ontime8	3286.0482077003	Sum of GTIs [s]
ontime9	3286.2534077168	Sum of GTIs [s]
l2events	113545	Number of level 2 events

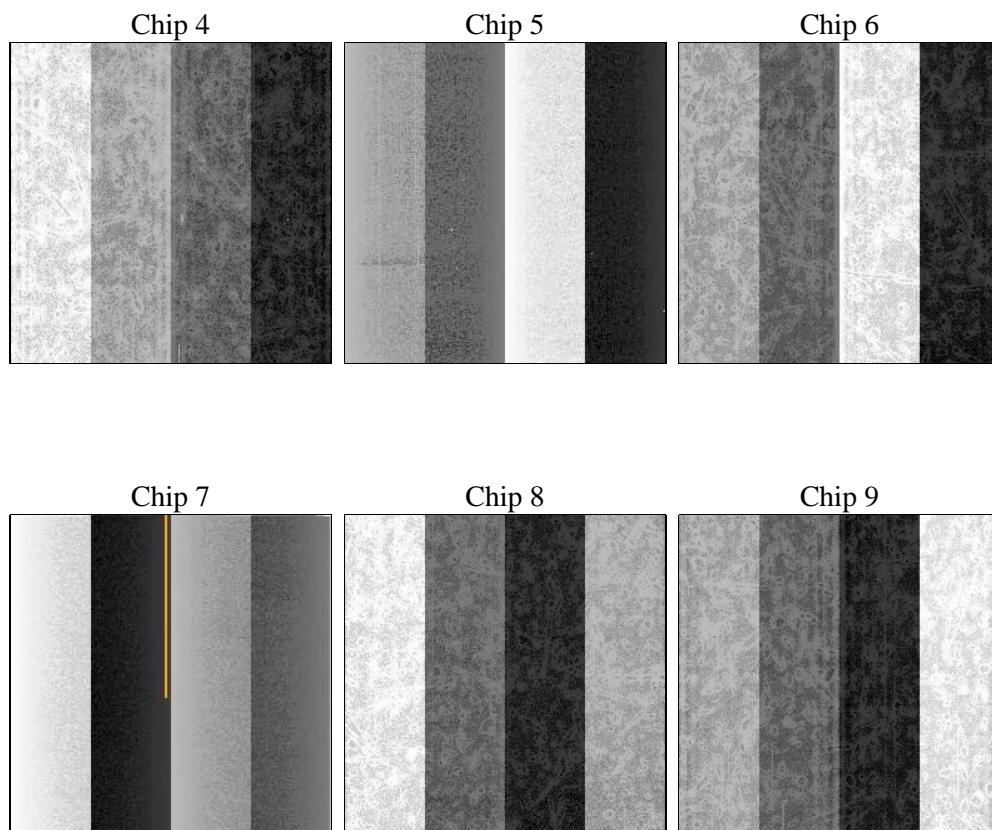
2 OBI

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	8.4.3	Processing system revision	ontime	3286.2123677135	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	3286.0892477036	Sum of GTIs [s]
date	2012-04-04T06:13:05	Date and time of file creation	ontime5	3286.1713277102	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3286.1302877069	Sum of GTIs [s]
			ontime7	3286.2123677135	Sum of GTIs [s]
			ontime8	3286.0482077003	Sum of GTIs [s]
			ontime9	3286.2534077168	Sum of GTIs [s]
			l1events	259082	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	38075	52357	37667	48963	43984	38036	grade 0 events	9001	4332	8534	4341	9686	8490
rejected events	22008	22868	20893	22256	23733	21822		23%	8%	22%	8%	22%	22%
rejected %	57%	43%	55%	45%	53%	57%	grade 1 events	94	112	46	30	60	52
								0%	0%	0%	0%	0%	0%
							grade 2 events	2561	10545	3203	5907	3874	2875
								6%	20%	8%	12%	8%	7%
							grade 3 events	1200	1044	1069	2230	1549	1094
								3%	1%	2%	4%	3%	2%
							grade 4 events	1183	1048	1115	2307	1456	1103
								3%	2%	2%	4%	3%	2%
							grade 5 events	1348	2678	1385	3367	1833	1592
								3%	5%	3%	6%	4%	4%
							grade 6 events	2122	12520	2853	11922	3686	2652
								5%	23%	7%	24%	8%	6%
							grade 7 events	20566	20078	19462	18859	21840	20178
								54%	38%	51%	38%	49%	53%

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	17.99607163459424	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-45.01881274722874	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	186.4323561982599	[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)	449857454.549338	449857453.52434			
Observation start date	2012-04-03T16:24:15	2012-04-03T16:24:13			
[s] Observation end time (MET)	449866054.299795	449866053.27479			
Observation end date	2012-04-03T18:47:34	2012-04-03T18:47:33			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2862123677135

A.2 Comments