

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54722 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 6 2012

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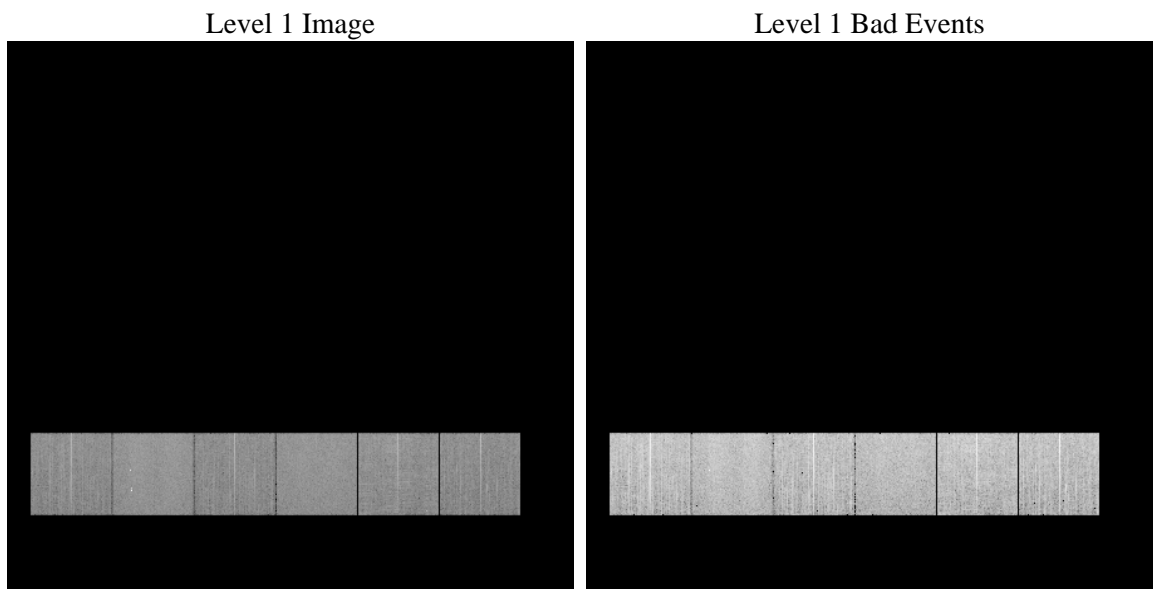
1 Front

seq_num	 	Sequence number
obs_id	54722	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	105.03210761769	Nominal RA [deg]
dec_nom	-5.0219244026555	Nominal Dec [deg]
roll_nom	263.32753796532	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8280.4604928493	Sum of GTIs [s]
livetime	8175.6083161942	Livetime [s]
ontime4	8280.3373728395	Sum of GTIs [s]
ontime5	8280.4194528461	Sum of GTIs [s]
ontime6	8280.3784128428	Sum of GTIs [s]
ontime7	8280.4604928493	Sum of GTIs [s]
ontime8	8277.0553326607	Sum of GTIs [s]
ontime9	8280.5015328526	Sum of GTIs [s]
l2events	270337	Number of level 2 events

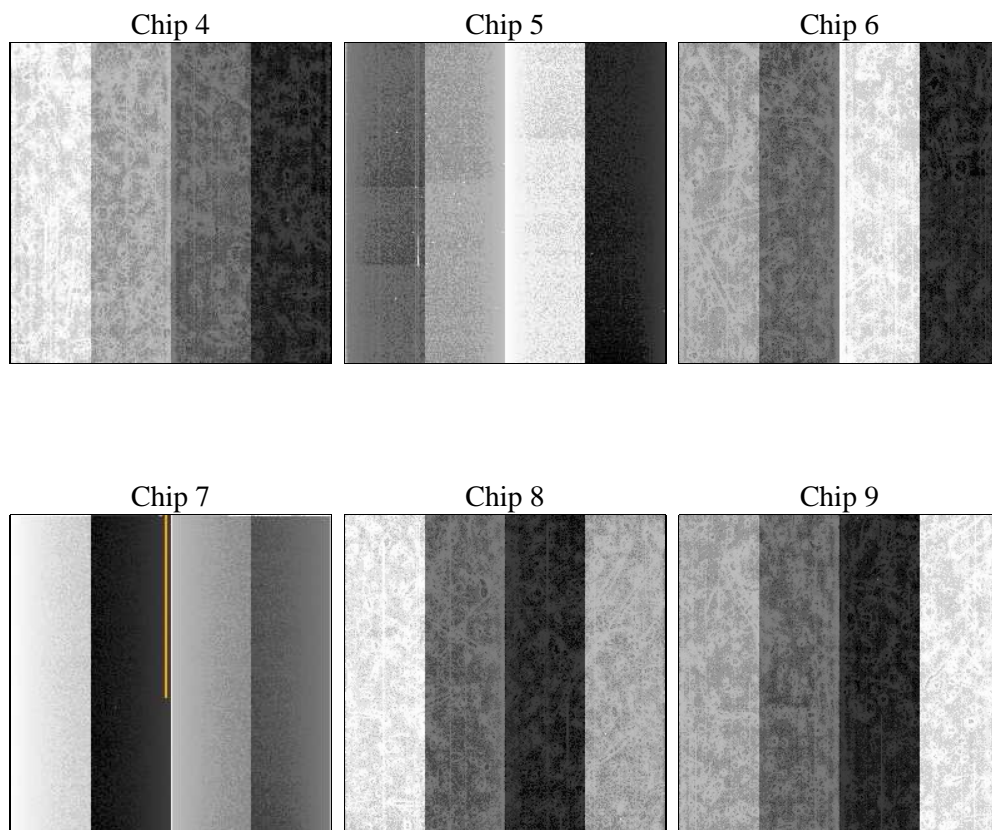
2 OBI

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	8280.4604928493	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8280.3373728395	Sum of GTIs [s]
date	2012-04-07T01:23:57	Date and time of file creation	ontime5	8280.4194528461	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8280.3784128428	Sum of GTIs [s]
			ontime7	8280.4604928493	Sum of GTIs [s]
			ontime8	8277.0553326607	Sum of GTIs [s]
			ontime9	8280.5015328526	Sum of GTIs [s]
			l1events	649031	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	99159	126775	98381	118274	110223	96219	grade 0 events	19519	6077	11585	9589	18589	15398
rejected events	61895	58946	58764	53869	62499	57590		19%	4%	11%	8%	16%	16%
rejected %	62%	46%	59%	45%	56%	59%	grade 1 events	158	128	64	75	99	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	7745	21814	16603	13653	14003	12232
								7%	17%	16%	11%	12%	12%
							grade 3 events	2391	3193	1479	5696	2720	1915
								2%	2%	1%	4%	2%	1%
							grade 4 events	2396	3083	1493	5067	2683	1915
								2%	2%	1%	4%	2%	1%
							grade 5 events	2748	5631	2382	6739	3390	2903
								2%	4%	2%	5%	3%	3%
							grade 6 events	5213	33662	8457	30400	9729	7169
								5%	26%	8%	25%	8%	7%
							grade 7 events	58989	53187	56318	47055	59010	54605
								59%	41%	57%	39%	53%	56%

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	105.0321076176865	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-5.021924402655469	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	263.3275379653178	[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)	450108962.912679	450108961.88768			
Observation start date	2012-04-06T14:16:03	2012-04-06T14:16:01			
[s] Observation end time (MET)	450122138.263378	450122137.23838			
Observation end date	2012-04-06T17:55:38	2012-04-06T17:55:37			
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)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2804604928493

A.2 Comments