

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55174 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 23 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

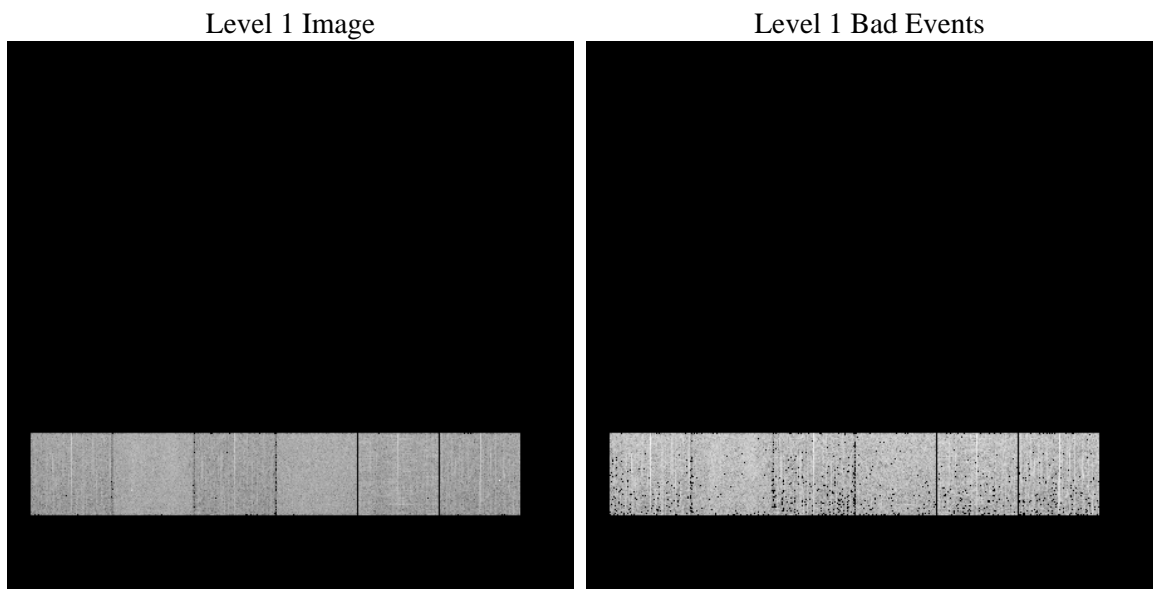
1 Front

seq_num	 	Sequence number
obs_id	55174	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	359.02656898388	Nominal RA [deg]
dec_nom	-27.983477243019	Nominal Dec [deg]
roll_nom	2.3003078187412	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3279.7356478572	Sum of GTIs [s]
livetime	3238.2056602643	Livetime [s]
ontime4	3166.1775539517	Sum of GTIs [s]
ontime5	3279.6946078539	Sum of GTIs [s]
ontime6	3172.6992478371	Sum of GTIs [s]
ontime7	3279.7356478572	Sum of GTIs [s]
ontime8	3169.3761278391	Sum of GTIs [s]
ontime9	3166.3417139649	Sum of GTIs [s]
l2events	121414	Number of level 2 events

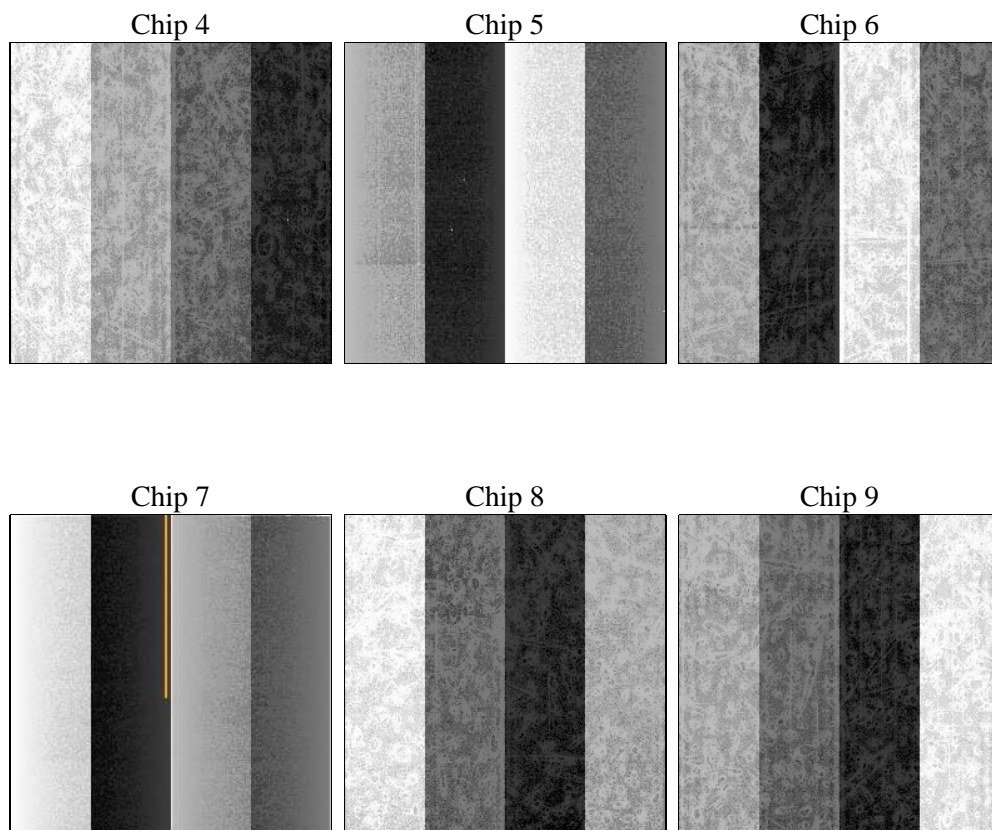
2 OBI

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	3279.7356478572	Sum of GTIs [s]
caldbver	4.4.8	 	ontime4	3166.1775539517	Sum of GTIs [s]
date	2012-02-23T14:45:46	Date and time of file creation	ontime5	3279.6946078539	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3172.6992478371	Sum of GTIs [s]
			ontime7	3279.7356478572	Sum of GTIs [s]
			ontime8	3169.3761278391	Sum of GTIs [s]
			ontime9	3166.3417139649	Sum of GTIs [s]
			l1events	277485	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	41409	55008	39557	52309	47140	42062	grade 0 events	9646	2556	8098	4364	10181	9177
rejected events	24666	25175	21923	23461	25337	24608		23%	4%	20%	8%	21%	21%
rejected %	59%	45%	55%	44%	53%	58%	grade 1 events	92	69	41	33	54	52
								0%	0%	0%	0%	0%	0%
							grade 2 events	2499	11324	4329	6425	4258	3162
								6%	20%	10%	12%	9%	7%
							grade 3 events	1200	929	989	2351	1649	1124
								2%	1%	2%	4%	3%	2%
							grade 4 events	1219	967	1015	2280	1575	1125
								2%	1%	2%	4%	3%	2%
							grade 5 events	1183	2632	1187	3170	1635	1432
								2%	4%	3%	6%	3%	3%
							grade 6 events	2179	14057	3203	13428	4140	2866
								5%	25%	8%	25%	8%	6%
							grade 7 events	23391	22474	20695	20258	23648	23124
								56%	40%	52%	38%	50%	54%

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	359.0265689838839	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-27.98347724301913	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	2.300307818741192	[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)	432975281.570949	432975280.54596			
Observation start date	2011-09-21T06:54:42	2011-09-21T06:54:40			
[s] Observation end time (MET)	432980789.921238	432980788.89624			
Observation end date	2011-09-21T08:26:30	2011-09-21T08:26:28			
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)	2012.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2797356478572

A.2 Comments