

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 59909 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 14 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

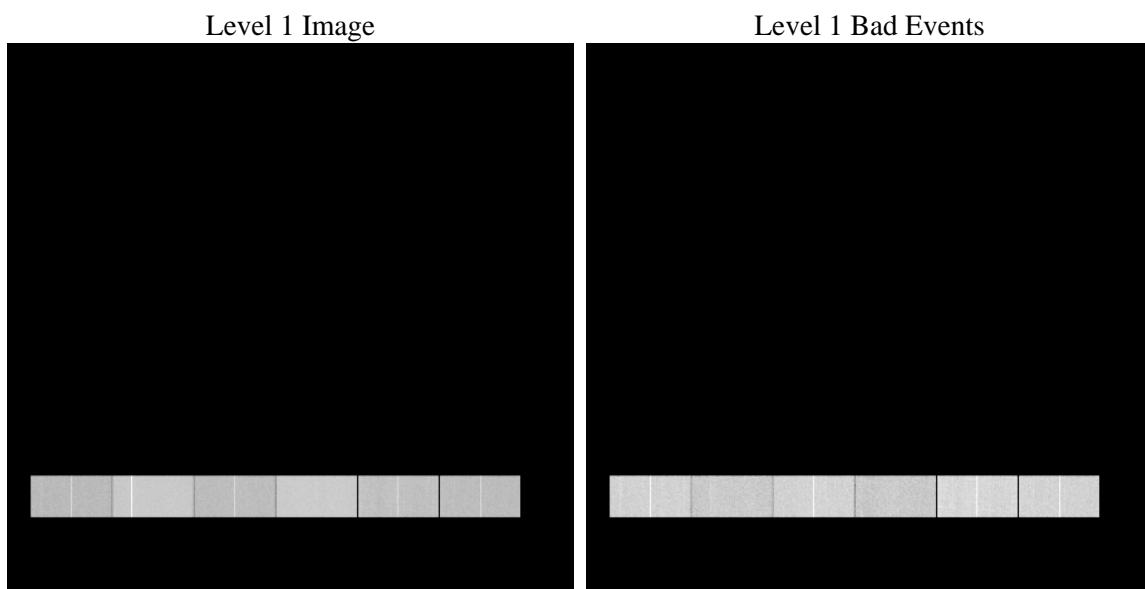
1 Front

seq_num	 	Sequence number
obs_id	59909	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	99.466100633639	Nominal RA [deg]
dec_nom	33.005050110266	Nominal Dec [deg]
roll_nom	137.33996676993	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8336.25	Sum of GTIs [s]
livetime	8303.6865234375	Livetime [s]
ontime4	4602.222907573	Sum of GTIs [s]
ontime5	8336.25	Sum of GTIs [s]
ontime6	5111.4758681059	Sum of GTIs [s]
ontime7	8336.25	Sum of GTIs [s]
ontime8	5271.9858552516	Sum of GTIs [s]
ontime9	5173.5941293538	Sum of GTIs [s]
l2events	711166	Number of level 2 events

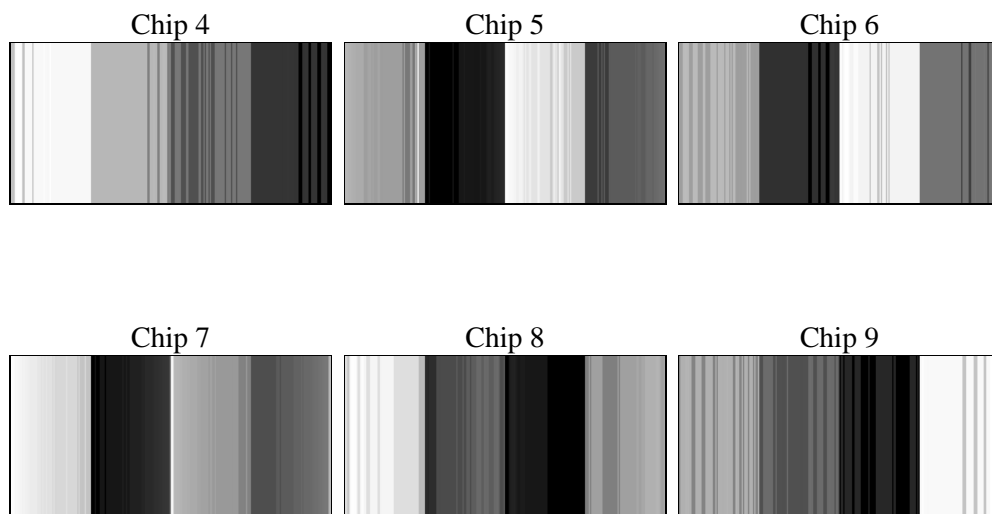
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	8336.25	Sum of GTIs [s]
caldbver	4.5.5	 	ontime4	4602.222907573	Sum of GTIs [s]
date	2012-12-14T23:26:49	Date and time of file creation	ontime5	8336.25	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	5111.4758681059	Sum of GTIs [s]
			ontime7	8336.25	Sum of GTIs [s]
			ontime8	5271.9858552516	Sum of GTIs [s]
			ontime9	5173.5941293538	Sum of GTIs [s]
			l1events	1443842	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	177375	324752	196398	321234	228540	195543	grade 0 events	11279	41659	10340	49898	17835	12238
rejected events	116226	84934	118746	82377	138954	118470		6%	12%	5%	15%	7%	6%
rejected %	65%	26%	60%	25%	60%	60%	grade 1 events	111	148	70	220	111	83
								0%	0%	0%	0%	0%	0%
							grade 2 events	69400	105800	82731	63931	84453	79975
								39%	32%	42%	19%	36%	40%
							grade 3 events	1907	6660	1840	20208	3211	2040
								1%	2%	0%	6%	1%	1%
							grade 4 events	2029	6380	1745	19721	3248	2123
								1%	1%	0%	6%	1%	1%
							grade 5 events	2342	9281	2394	10568	3003	2531
								1%	2%	1%	3%	1%	1%
							grade 6 events	21404	80915	28405	86720	29557	26673
								12%	24%	14%	26%	12%	13%
							grade 7 events	68903	73909	68873	69968	87122	69880
								38%	22%	35%	21%	38%	35%

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	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	99.46610063363889	Alternating exposures requested	N	N
[deg] Pointing Dec	0	33.0050501102659	[s] Primary exposure time	0	0
[deg] Pointing Roll	0.0	137.3399667699331			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	220042657.897257	220042656.87226			
Observation start date	2004-12-21T18:57:38	2004-12-21T18:57:36			
[s] Observation end time (MET)	220064635.948247	220064634.92325			
Observation end date	2004-12-22T01:03:56	2004-12-22T01:03:54			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.33625

A.2 Comments