

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58169 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 2 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

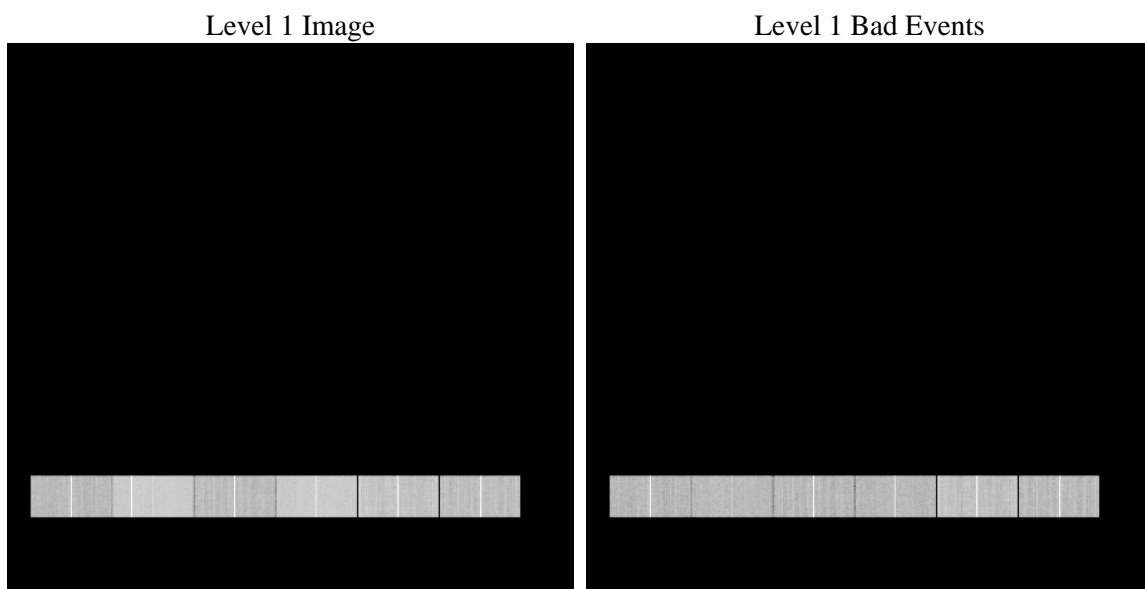
1 Front

seq_num	 	Sequence number
obs_id	58169	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	19.971815594016	Nominal RA [deg]
dec_nom	21.987901106084	Nominal Dec [deg]
roll_nom	171.82078929974	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7904.5	Sum of GTIs [s]
livetime	7873.623046875	Livetime [s]
ontime4	3991.6931791902	Sum of GTIs [s]
ontime5	7904.5	Sum of GTIs [s]
ontime6	4308.3362420201	Sum of GTIs [s]
ontime7	7904.5	Sum of GTIs [s]
ontime8	4387.1305702925	Sum of GTIs [s]
ontime9	4290.8255841136	Sum of GTIs [s]
l2events	378291	Number of level 2 events

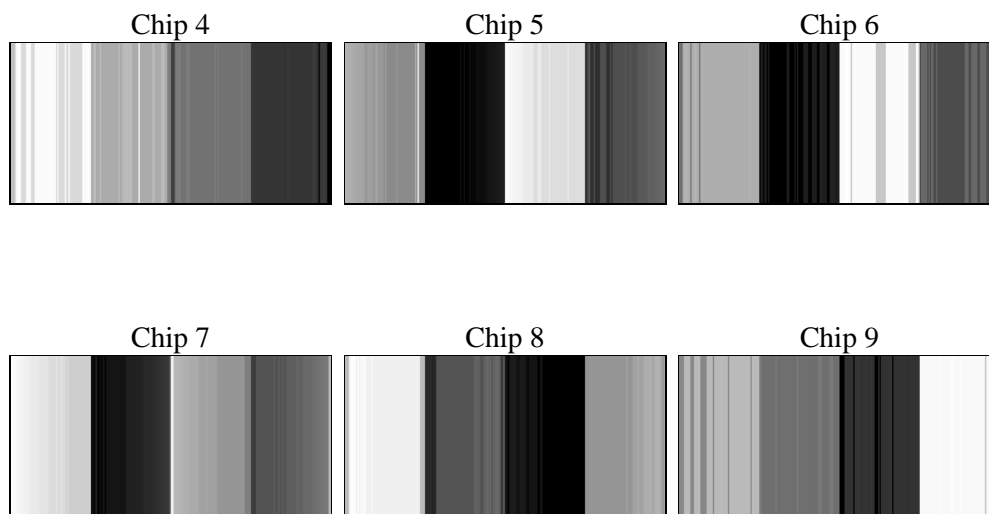
2 OBI

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	8.4.4	Processing system revision	ontime	7904.5	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	3991.6931791902	Sum of GTIs [s]
date	2012-05-02T21:49:35	Date and time of file creation	ontime5	7904.5	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4308.3362420201	Sum of GTIs [s]
			ontime7	7904.5	Sum of GTIs [s]
			ontime8	4387.1305702925	Sum of GTIs [s]
			ontime9	4290.8255841136	Sum of GTIs [s]
			l1events	1368433	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	173701	299577	182774	280468	239206	192707	grade 0 events	5729	27115	5329	22424	10498	6003
rejected events	147223	141641	151868	138026	200012	161859		3%	9%	2%	7%	4%	3%
rejected %	84%	47%	83%	49%	83%	83%	grade 1 events	75	145	54	176	121	69
								0%	0%	0%	0%	0%	0%
							grade 2 events	31542	65142	35371	42735	37728	33972
								18%	21%	19%	15%	15%	17%
							grade 3 events	1477	3537	1493	9970	2686	1407
								0%	1%	0%	3%	1%	0%
							grade 4 events	1508	3455	1380	9717	2679	1611
								0%	1%	0%	3%	1%	0%
							grade 5 events	2190	8972	2208	10887	2989	2387
								1%	2%	1%	3%	1%	1%
							grade 6 events	9943	58815	12405	57700	15063	11858
								5%	19%	6%	20%	6%	6%
							grade 7 events	121237	132396	124534	126859	167442	135400
								69%	44%	68%	45%	69%	70%

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	19.97181559401608	Alternating exposures requested	N	N
[deg] Pointing Dec	0	21.98790110608391	[s] Primary exposure time	0	0
[deg] Pointing Roll	0.0	171.8207892997383			
[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)	308644172.482626	308644171.45764			
Observation start date	2007-10-13T06:29:32	2007-10-13T06:29:31			
[s] Observation end time (MET)	308662948.43353	308662947.40854			
Observation end date	2007-10-13T11:42:28	2007-10-13T11:42:27			
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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.9045

A.2 Comments