

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 59044 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Mar 28 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

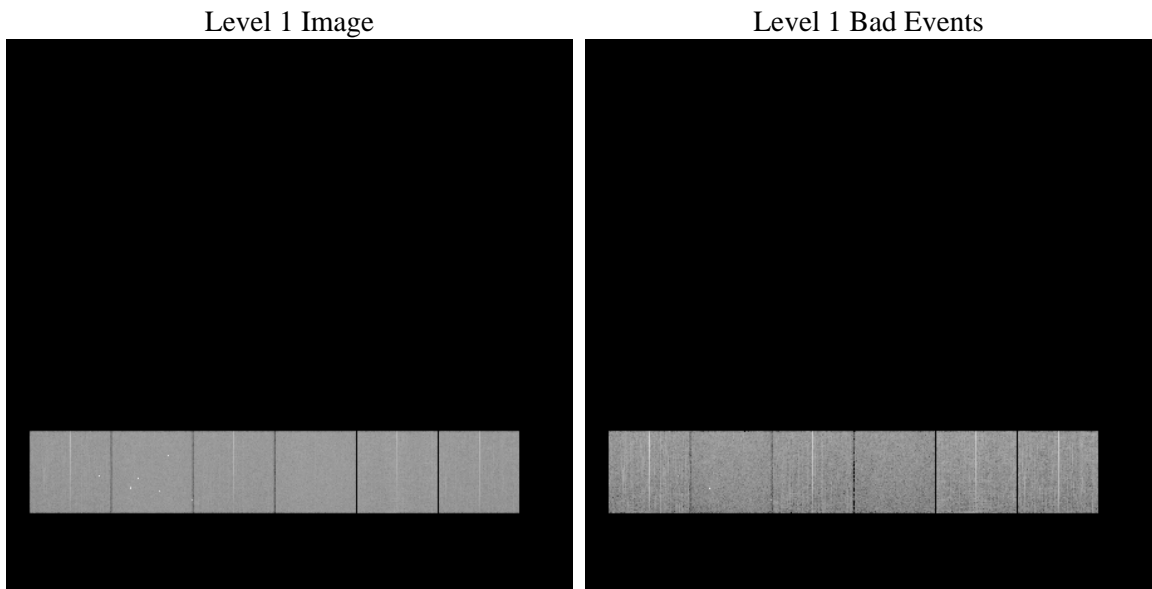
1 Front

seq_num	 	Sequence number
obs_id	59044	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	216.99079387975	Nominal RA [deg]
dec_nom	-11.972828823843	Nominal Dec [deg]
roll_nom	75.424460114893	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8184.9786222577	Sum of GTIs [s]
livetime	8081.3354945402	Livetime [s]
ontime4	8184.8555022478	Sum of GTIs [s]
ontime5	8184.9375822544	Sum of GTIs [s]
ontime6	8184.8965422511	Sum of GTIs [s]
ontime7	8184.9786222577	Sum of GTIs [s]
ontime8	8184.8144622743	Sum of GTIs [s]
ontime9	8185.019662261	Sum of GTIs [s]
l2events	961446	Number of level 2 events

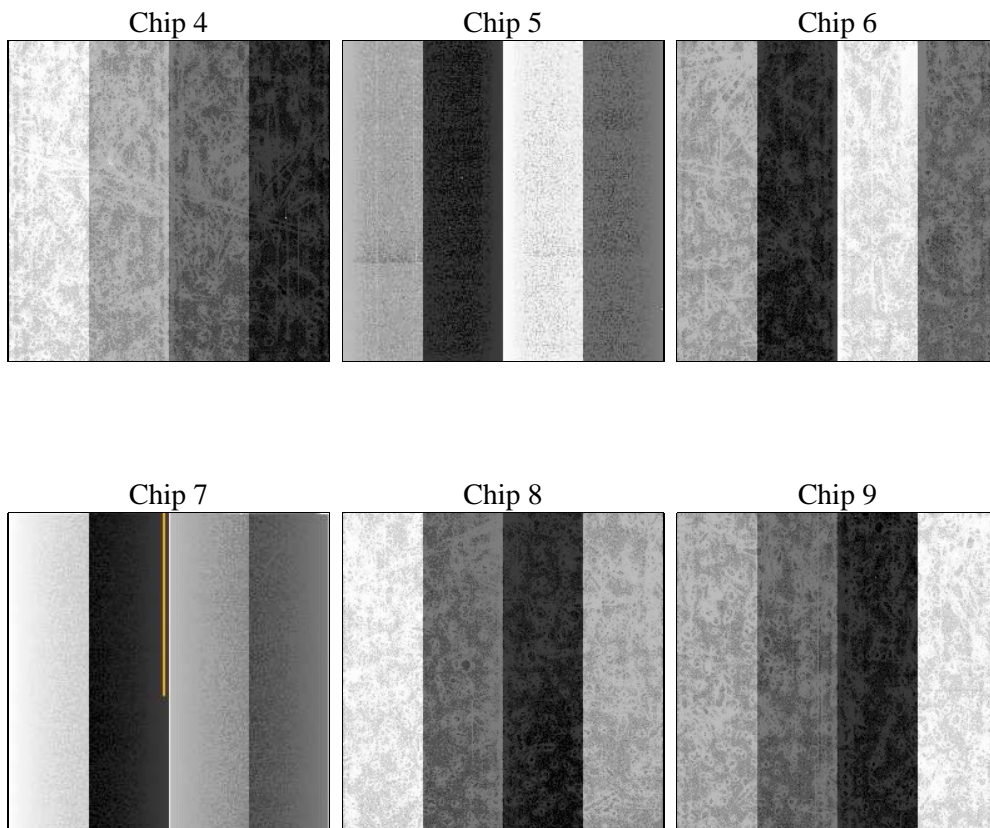
2 OBI

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	8.4.3	Processing system revision	ontime	8184.9786222577	Sum of GTIs [s]
caldsver	4.4.8	 	ontime4	8184.8555022478	Sum of GTIs [s]
date	2012-03-29T00:31:23	Date and time of file creation	ontime5	8184.9375822544	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8184.8965422511	Sum of GTIs [s]
			ontime7	8184.9786222577	Sum of GTIs [s]
			ontime8	8184.8144622743	Sum of GTIs [s]
			ontime9	8185.019662261	Sum of GTIs [s]
			l1events	1465112	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	233833	248376	239490	251857	255888	235668	grade 0 events	91939	37659	91169	43820	95100	89076
rejected events	76977	68163	72140	60983	79140	74879		39%	15%	38%	17%	37%	37%
rejected %	32%	27%	30%	24%	30%	31%	grade 1 events	794	253	544	180	579	665
								0%	0%	0%	0%	0%	0%
							grade 2 events	25132	64883	29534	42051	31795	27908
								10%	26%	12%	16%	12%	11%
							grade 3 events	10664	9975	10614	18790	12117	10617
								4%	4%	4%	7%	4%	4%
							grade 4 events	10499	9783	10776	18922	11959	10393
								4%	3%	4%	7%	4%	4%
							grade 5 events	4035	9888	4320	9983	5115	4670
								1%	3%	1%	3%	1%	1%
							grade 6 events	20433	59981	27151	69504	27769	24690
								8%	24%	11%	27%	10%	10%
							grade 7 events	70337	55954	65382	48607	71454	67649
								30%	22%	27%	19%	27%	28%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	216.9907938797526
[deg] Pointing Dec	0	-11.97282882384343
[deg] Pointing Roll	0.0	75.42446011489341
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	259791477.068802	259791476.04382
Observation start date	2006-03-26T20:17:57	2006-03-26T20:17:56
[s] Observation end time (MET)	259814377.619868	259814376.59489
Observation end date	2006-03-27T02:39:38	2006-03-27T02:39:36
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1849786222577

A.2 Comments