

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60769 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Oct 26 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

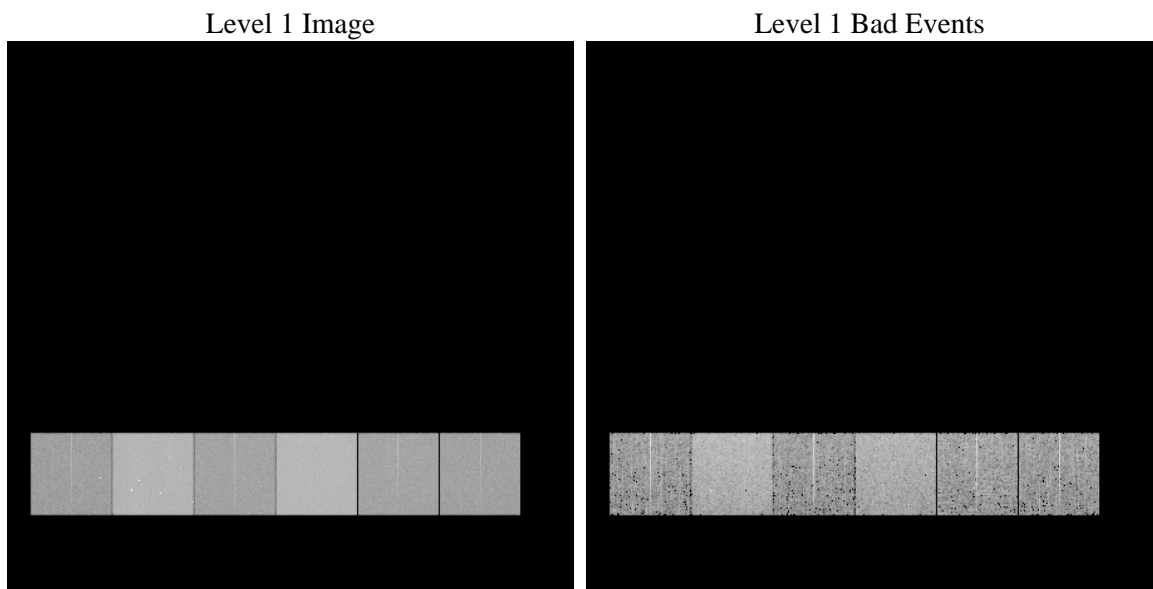
1 Front

seq_num	 	Sequence number
obs_id	60769	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	30.506181059228	Nominal RA [deg]
dec_nom	-38.915715057377	Nominal Dec [deg]
roll_nom	176.85097394509	Nominal Roll [deg]
revision	4	Processing version of data
ontime	7730.0432727635	Sum of GTIs [s]
livetime	7632.1608103705	Livetime [s]
ontime4	3338.2629398108	Sum of GTIs [s]
ontime5	7730.0022327602	Sum of GTIs [s]
ontime6	3710.9783239663	Sum of GTIs [s]
ontime7	7730.0432727635	Sum of GTIs [s]
ontime8	3772.5580240488	Sum of GTIs [s]
ontime9	3548.9289254844	Sum of GTIs [s]
l2events	1158895	Number of level 2 events

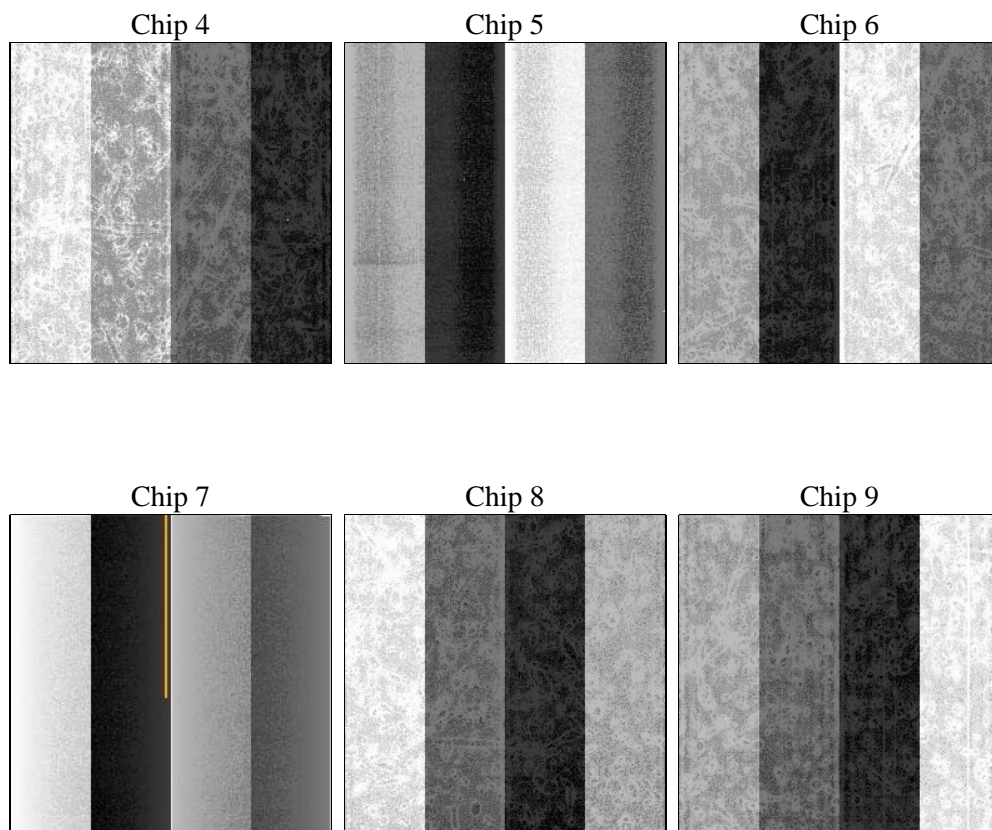
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	1200	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7730.0432727635	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	3338.2629398108	Sum of GTIs [s]
date	2012-10-27T00:15:46	Date and time of file creation	ontime5	7730.0022327602	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	3710.9783239663	Sum of GTIs [s]
			ontime7	7730.0432727635	Sum of GTIs [s]
			ontime8	3772.5580240488	Sum of GTIs [s]
			ontime9	3548.9289254844	Sum of GTIs [s]
			l1events	1420634	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	158584	345412	183336	373011	189700	170591	grade 0 events	77210	71511	86557	83216	88735	80123
rejected events	26467	52397	25908	43639	29421	26408		48%	20%	47%	22%	46%	46%
rejected %	16%	15%	14%	11%	15%	15%	grade 1 events	563	261	454	223	433	451
								0%	0%	0%	0%	0%	0%
							grade 2 events	21072	104901	27455	73059	27904	24815
								13%	30%	14%	19%	14%	14%
							grade 3 events	8897	18460	9846	33827	10337	9238
								5%	5%	5%	9%	5%	5%
							grade 4 events	8823	18560	9984	33454	10348	9305
								5%	5%	5%	8%	5%	5%
							grade 5 events	1621	8751	1878	7776	2138	1811
								1%	2%	1%	2%	1%	1%
							grade 6 events	16978	81964	24771	108435	24055	21767
								10%	23%	13%	29%	12%	12%
							grade 7 events	23420	41004	22391	33021	25750	23081
								14%	11%	12%	8%	13%	13%

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	30.50627249992346	30.50618105922774
[deg] Pointing Dec	-38.91552856307529	-38.91571505737704
[deg] Pointing Roll	176.8510302812543	176.8509739450922
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	167688626.059226	167688626.059226
Observation start date	2003-04-25T21:01:00	2003-04-25T20:10:26
[s] Observation end time (MET)	167697962.554651	167697962.554651
Observation end date	2003-04-25T21:21:00	2003-04-25T22:46:02
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7300432727635

A.2 Comments