

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 59692 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 22 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

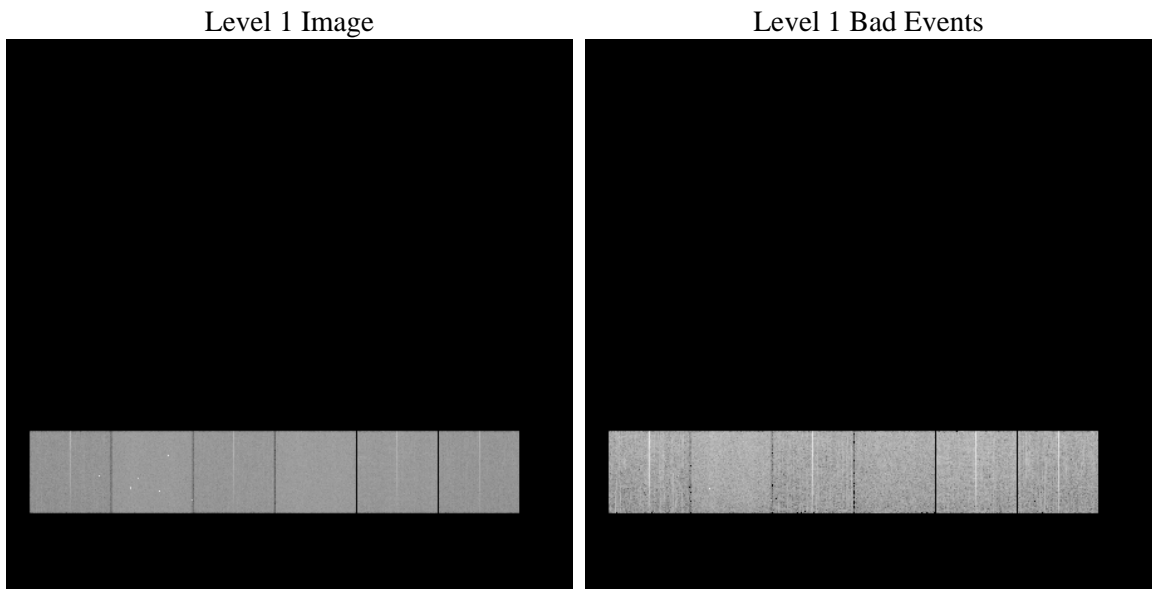
1 Front

seq_num	 	Sequence number
obs_id	59692	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	196.99127997538	Nominal RA [deg]
dec_nom	-3.0262055800065	Nominal Dec [deg]
roll_nom	231.03218620346	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8278.3999691606	Sum of GTIs [s]
livetime	8173.573884097	Livetime [s]
ontime4	6698.0060345232	Sum of GTIs [s]
ontime5	8278.3999691606	Sum of GTIs [s]
ontime6	7270.4574178457	Sum of GTIs [s]
ontime7	8278.3999691606	Sum of GTIs [s]
ontime8	7419.542131871	Sum of GTIs [s]
ontime9	7027.3849543035	Sum of GTIs [s]
l2events	1068623	Number of level 2 events

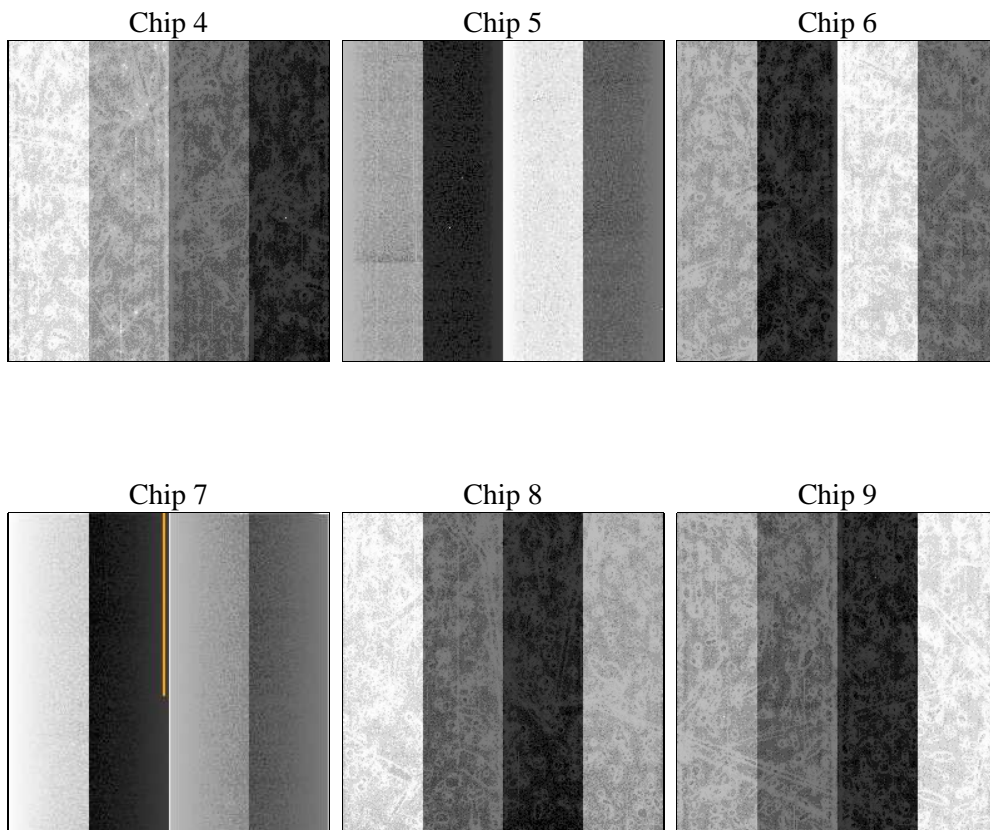
2 OBI

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	8.5.1.1	Processing system revision	ontime	8278.3999691606	Sum of GTIs [s]
caldbver	4.5.5	 	ontime4	6698.0060345232	Sum of GTIs [s]
date	2012-12-22T15:39:57	Date and time of file creation	ontime5	8278.3999691606	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7270.4574178457	Sum of GTIs [s]
			ontime7	8278.3999691606	Sum of GTIs [s]
			ontime8	7419.542131871	Sum of GTIs [s]
			ontime9	7027.3849543035	Sum of GTIs [s]
			l1events	1491774	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	213760	270282	239454	280399	261904	225975	grade 0 events	93681	41002	98846	52239	105893	94254
rejected events	55546	62175	56260	53945	66741	55628		43%	15%	41%	18%	40%	41%
rejected %	25%	23%	23%	19%	25%	24%	grade 1 events	771	229	491	203	585	562
								0%	0%	0%	0%	0%	0%
							grade 2 events	23531	79519	32105	50126	34110	28520
								11%	29%	13%	17%	13%	12%
							grade 3 events	10492	10269	11344	22366	12850	10855
								4%	3%	4%	7%	4%	4%
							grade 4 events	10605	10079	11313	21820	12587	10990
								4%	3%	4%	7%	4%	4%
							grade 5 events	3116	9112	3441	9236	4449	3562
								1%	3%	1%	3%	1%	1%
							grade 6 events	19905	67238	29586	79903	29723	25728
								9%	24%	12%	28%	11%	11%
							grade 7 events	51659	52834	52328	44506	61707	51504
								24%	19%	21%	15%	23%	22%

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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	196.9912799753794	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-3.026205580006474	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	231.032186203455			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	230319076.712313	230319075.68731			
Observation start date	2005-04-19T17:31:17	2005-04-19T17:31:15			
[s] Observation end time (MET)	230342284.763354	230342283.73836			
Observation end date	2005-04-19T23:58:05	2005-04-19T23:58:03			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999691606

A.2 Comments