

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 59718 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 21 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

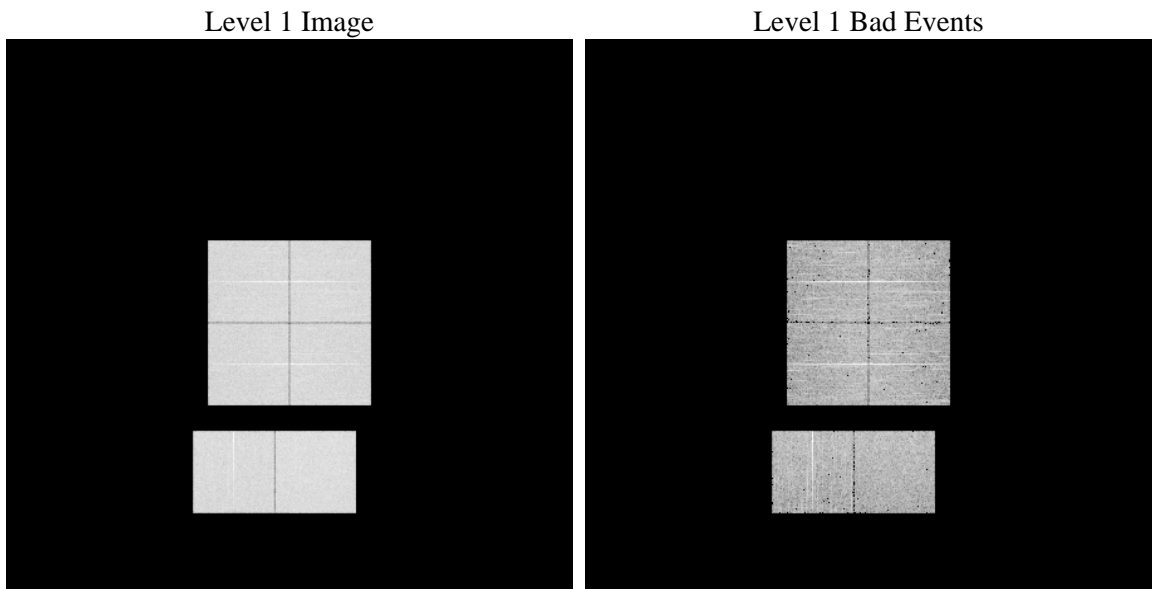
1 Front

seq_num	 	Sequence number
obs_id	59718	Observation id
title	ACIS-012367 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	211.4775908357	Nominal RA [deg]
dec_nom	4.5177857573977	Nominal Dec [deg]
roll_nom	108.78369307359	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5419.5062164068	Sum of GTIs [s]
livetime	5350.8811654598	Livetime [s]
ontime0	5049.9939625263	Sum of GTIs [s]
ontime1	5108.2902883291	Sum of GTIs [s]
ontime2	4836.0072933137	Sum of GTIs [s]
ontime3	4913.9545911849	Sum of GTIs [s]
ontime6	5182.7504759431	Sum of GTIs [s]
ontime7	5419.5062164068	Sum of GTIs [s]
l2events	740094	Number of level 2 events

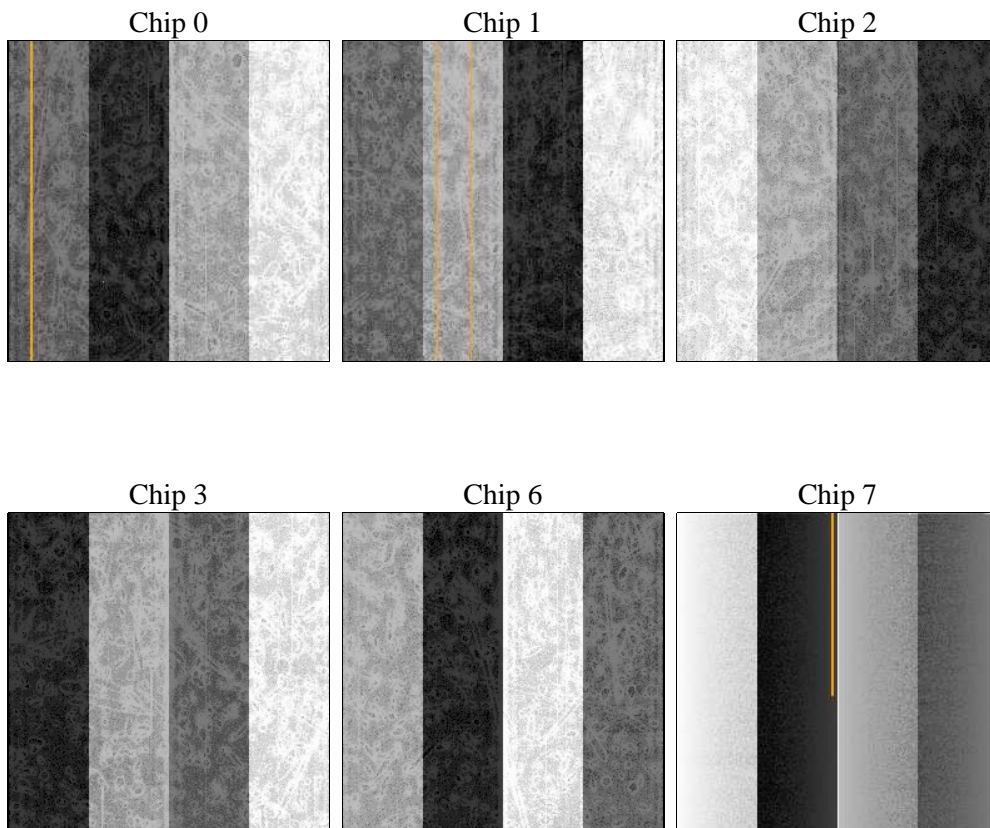
2 OBI

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	5419.5062164068	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	5049.9939625263	Sum of GTIs [s]
date	2012-12-21T08:43:41	Date and time of file creation	ontime1	5108.2902883291	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4836.0072933137	Sum of GTIs [s]
			ontime3	4913.9545911849	Sum of GTIs [s]
			ontime6	5182.7504759431	Sum of GTIs [s]
			ontime7	5419.5062164068	Sum of GTIs [s]
			l1events	1002266	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	160882	163835	157691	160123	173606	186129	grade 0 events	69767	70195	68899	69672	73759	36394
rejected events	36351	37507	36683	37570	39803	36280		43%	42%	43%	43%	42%	19%
rejected %	22%	22%	23%	23%	22%	19%	grade 1 events	374	369	442	423	371	130
								0%	0%	0%	0%	0%	0%
							grade 2 events	22174	22915	20897	21364	23461	33003
								13%	13%	13%	13%	13%	17%
							grade 3 events	8258	8285	8206	8248	8666	15126
								5%	5%	5%	5%	4%	8%
							grade 4 events	8168	8300	8051	8252	8487	15211
								5%	5%	5%	5%	4%	8%
							grade 5 events	2211	2335	2050	2271	2402	5948
								1%	1%	1%	1%	1%	3%
							grade 6 events	18535	18998	17404	17377	21902	52919
								11%	11%	11%	10%	12%	28%
							grade 7 events	31395	32438	31742	32516	34558	27398
								19%	19%	20%	20%	19%	14%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	211.477590835698	Alternating exposures requested	N	N
[deg] Pointing Dec	0	4.517785757397742	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	108.7836930735862			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	228494328.579428	228494327.5544			
Observation start date	2005-03-29T14:38:49	2005-03-29T14:38:47			
[s] Observation end time (MET)	228514186.93033	228514185.9053			
Observation end date	2005-03-29T20:09:47	2005-03-29T20:09:45			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.4195062164068

A.2 Comments