

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61472 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Sep 24 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

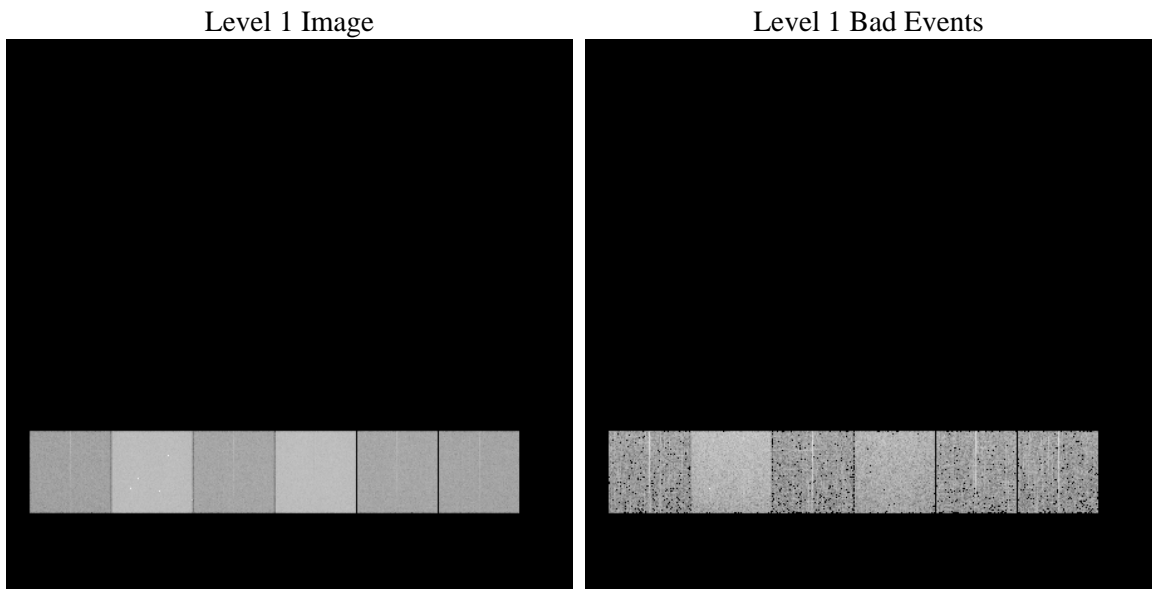
1 Front

seq_num	 	Sequence number
obs_id	61472	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	305.02941051035	Nominal RA [deg]
dec_nom	-35.015495234197	Nominal Dec [deg]
roll_nom	294.51534170304	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5665.0653794706	Sum of GTIs [s]
livetime	5593.3309105429	Livetime [s]
ontime4	2144.2130207717	Sum of GTIs [s]
ontime5	6109.0772247165	Sum of GTIs [s]
ontime6	2387.24986054	Sum of GTIs [s]
ontime7	5665.0653794706	Sum of GTIs [s]
ontime8	2413.2602804154	Sum of GTIs [s]
ontime9	2302.8597905338	Sum of GTIs [s]
l2events	1219317	Number of level 2 events

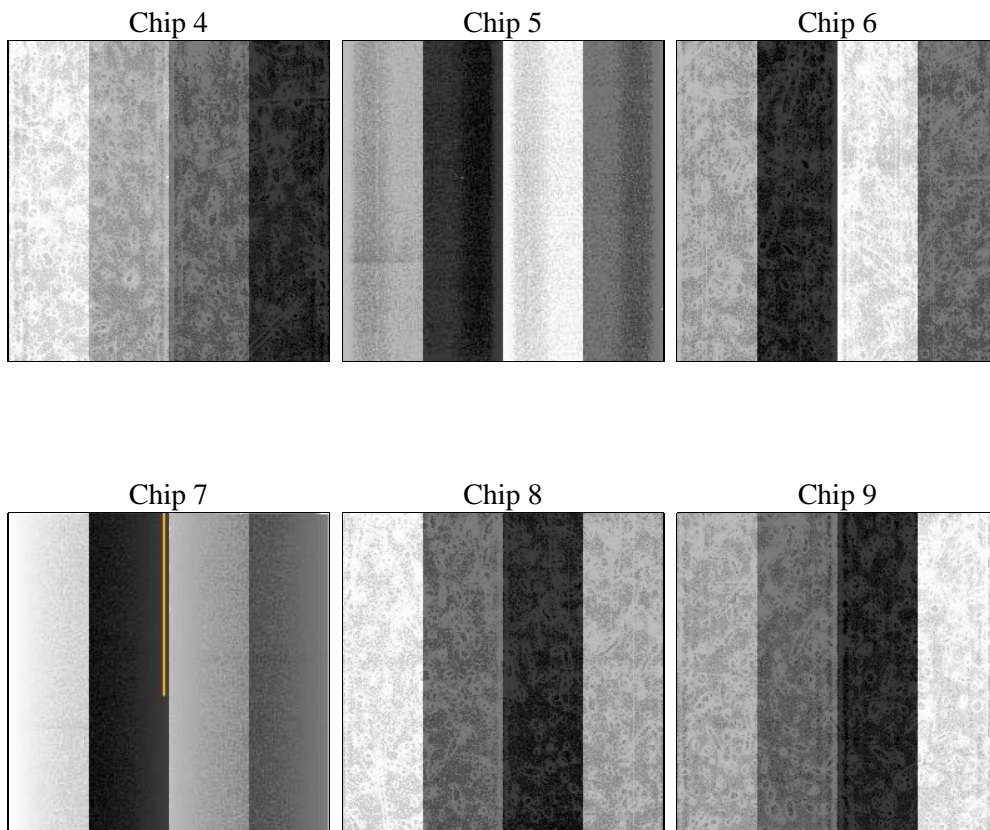
2 OBI

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	8.4.5	Processing system revision	ontime	5665.0653794706	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime4	2144.2130207717	Sum of GTIs [s]
date	2012-09-24T08:52:19	Date and time of file creation	ontime5	6109.0772247165	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2387.24986054	Sum of GTIs [s]
			ontime7	5665.0653794706	Sum of GTIs [s]
			ontime8	2413.2602804154	Sum of GTIs [s]
			ontime9	2302.8597905338	Sum of GTIs [s]
			l1events	1426027	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	145802	382306	171282	389491	176495	160651	grade 0 events	71082	87075	83107	91894	85419	77096
rejected events	19223	43075	18628	30807	21196	19236		48%	22%	48%	23%	48%	47%
rejected %	13%	11%	10%	7%	12%	11%	grade 1 events	431	381	464	260	442	456
								0%	0%	0%	0%	0%	0%
							grade 2 events	22271	117279	26447	79206	27437	24957
								15%	30%	15%	20%	15%	15%
							grade 3 events	8033	22431	9465	36702	9734	8809
								5%	5%	5%	9%	5%	5%
							grade 4 events	7770	22264	9380	35795	9781	8903
								5%	5%	5%	9%	5%	5%
							grade 5 events	1251	8273	1506	6321	1586	1520
								0%	2%	0%	1%	0%	0%
							grade 6 events	17423	90389	24255	115306	22928	21650
								11%	23%	14%	29%	12%	13%
							grade 7 events	17541	34214	16658	24007	19168	17260
								12%	8%	9%	6%	10%	10%

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	305.0294105103508	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-35.0154952341965	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	294.5153417030429			
[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)	116961668.923	116961668.15492			
Observation start date	2001-09-15T17:21:09	2001-09-15T17:21:08			
[s] Observation end time (MET)	117000139.225	117000138.45644			
Observation end date	2001-09-16T04:02:19	2001-09-16T04:02:18			
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)	2012.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.6650653794706

A.2 Comments