

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 62066 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Aug 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

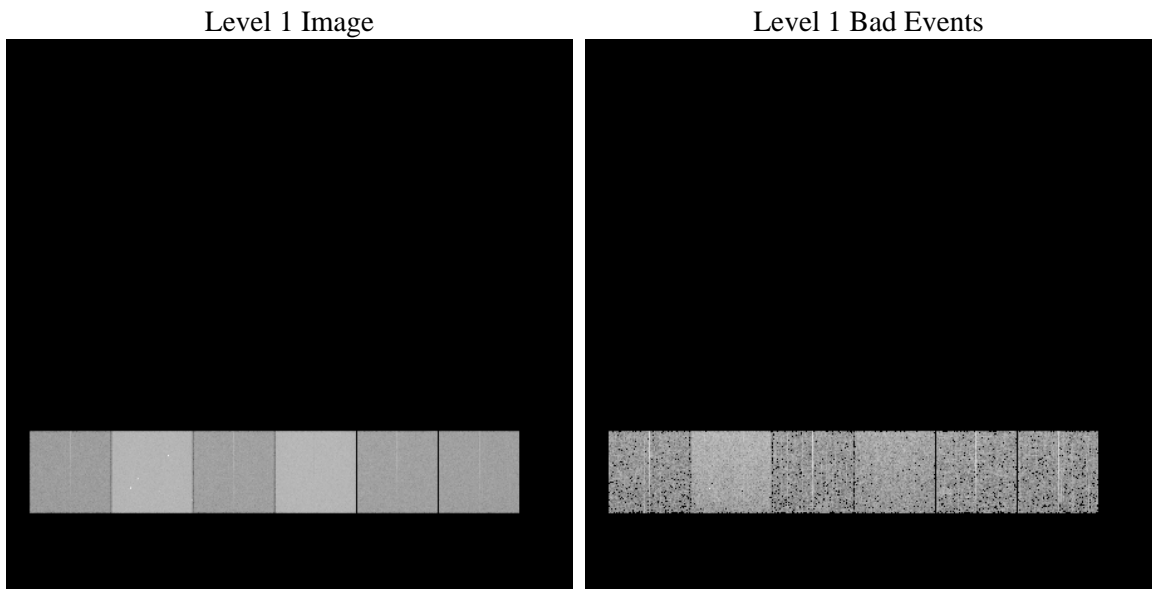
1 Front

seq_num	 	Sequence number
obs_id	62066	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	16.609167797104	Nominal RA [deg]
dec_nom	-60.843780063828	Nominal Dec [deg]
roll_nom	153.22593893188	Nominal Roll [deg]
revision	5	Processing version of data
ontime	3897.4678554237	Sum of GTIs [s]
livetime	3848.1157706649	Livetime [s]
ontime4	1586.615853399	Sum of GTIs [s]
ontime5	4211.8429216892	Sum of GTIs [s]
ontime6	1680.9148769975	Sum of GTIs [s]
ontime7	3897.4678554237	Sum of GTIs [s]
ontime8	1729.22152327	Sum of GTIs [s]
ontime9	1674.3096171916	Sum of GTIs [s]
l2events	1229866	Number of level 2 events

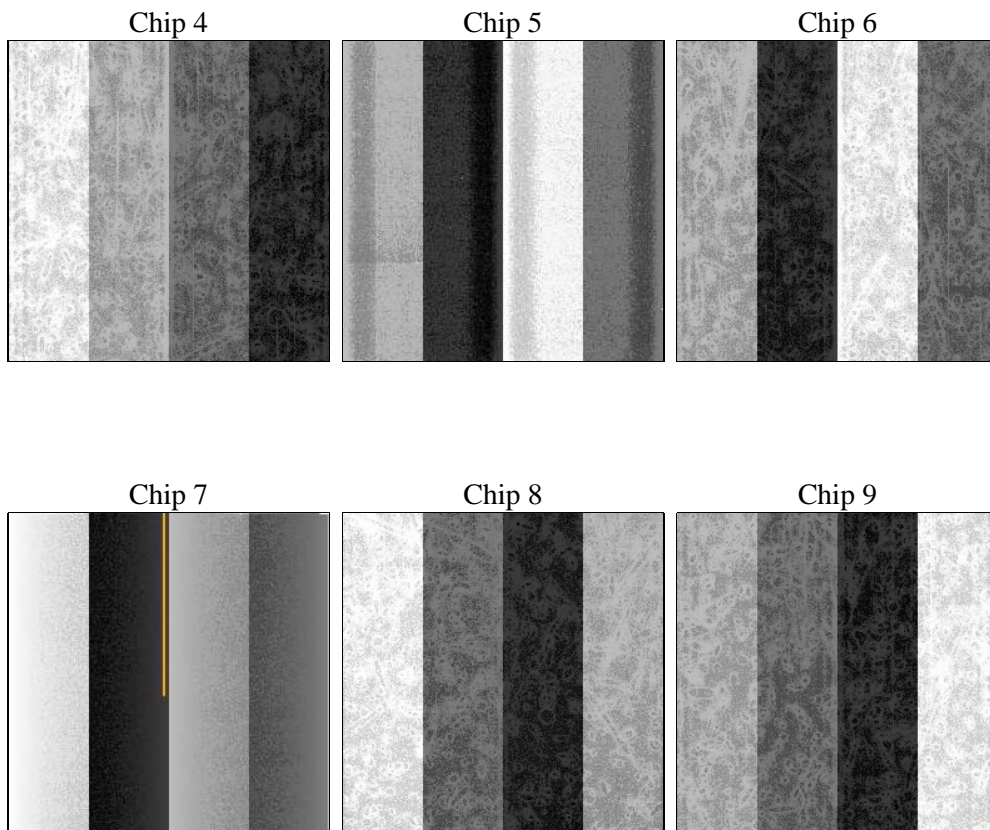
2 OBI

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	3897.4678554237	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime4	1586.615853399	Sum of GTIs [s]
date	2012-08-26T22:29:54	Date and time of file creation	ontime5	4211.8429216892	Sum of GTIs [s]
revision	5	Processing version of data	ontime6	1680.9148769975	Sum of GTIs [s]
			ontime7	3897.4678554237	Sum of GTIs [s]
			ontime8	1729.22152327	Sum of GTIs [s]
			ontime9	1674.3096171916	Sum of GTIs [s]
			l1events	1411473	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	152264	365374	173082	376810	177515	166428	grade 0 events	75667	88252	83946	93014	86542	80850
rejected events	17544	32720	18358	22272	19251	18024		49%	24%	48%	24%	48%	48%
rejected %	11%	8%	10%	5%	10%	10%	grade 1 events	539	390	514	239	537	552
								0%	0%	0%	0%	0%	0%
							grade 2 events	23796	112948	26830	78990	27892	25958
								15%	30%	15%	20%	15%	15%
							grade 3 events	8376	22956	9518	35681	10052	9250
								5%	6%	5%	9%	5%	5%
							grade 4 events	8312	23017	9377	35609	9936	9326
								5%	6%	5%	9%	5%	5%
							grade 5 events	1187	6825	1391	4887	1427	1325
								0%	1%	0%	1%	0%	0%
							grade 6 events	18569	85481	25053	111244	23842	23020
								12%	23%	14%	29%	13%	13%
							grade 7 events	15818	25505	16453	17146	17287	16147
								10%	6%	9%	4%	9%	9%

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	16.60916779710442	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-60.84378006382783	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	153.2259389318777			
[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)	73779591.92399999	73779591.155136			
Observation start date	2000-05-03T22:19:52	2000-05-03T22:19:51			
[s] Observation end time (MET)	73827041.22499999	73827040.45687699			
Observation end date	2000-05-04T11:30:41	2000-05-04T11:30:40			
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)	2012.08.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.8974678554237

A.2 Comments