

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60598 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 3 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

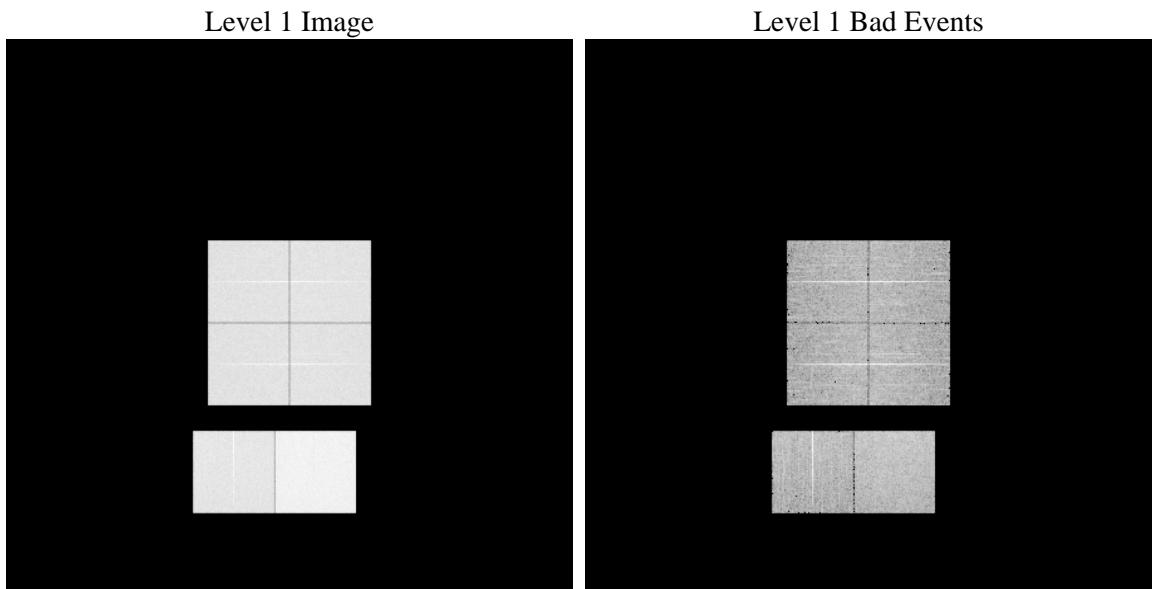
1 Front

seq_num	 	Sequence number
obs_id	60598	Observation id
title	ACIS-012367 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	253.11811837729	Nominal RA [deg]
dec_nom	56.271213682493	Nominal Dec [deg]
roll_nom	238.88570056108	Nominal Roll [deg]
revision	3	Processing version of data
ontime	12198.318033993	Sum of GTIs [s]
livetime	12043.855586102	Livetime [s]
ontime0	7456.7825529575	Sum of GTIs [s]
ontime1	7680.410716325	Sum of GTIs [s]
ontime2	7197.5034883916	Sum of GTIs [s]
ontime3	7288.2517516613	Sum of GTIs [s]
ontime6	7923.4828677177	Sum of GTIs [s]
ontime7	12198.318033993	Sum of GTIs [s]
l2events	1817137	Number of level 2 events

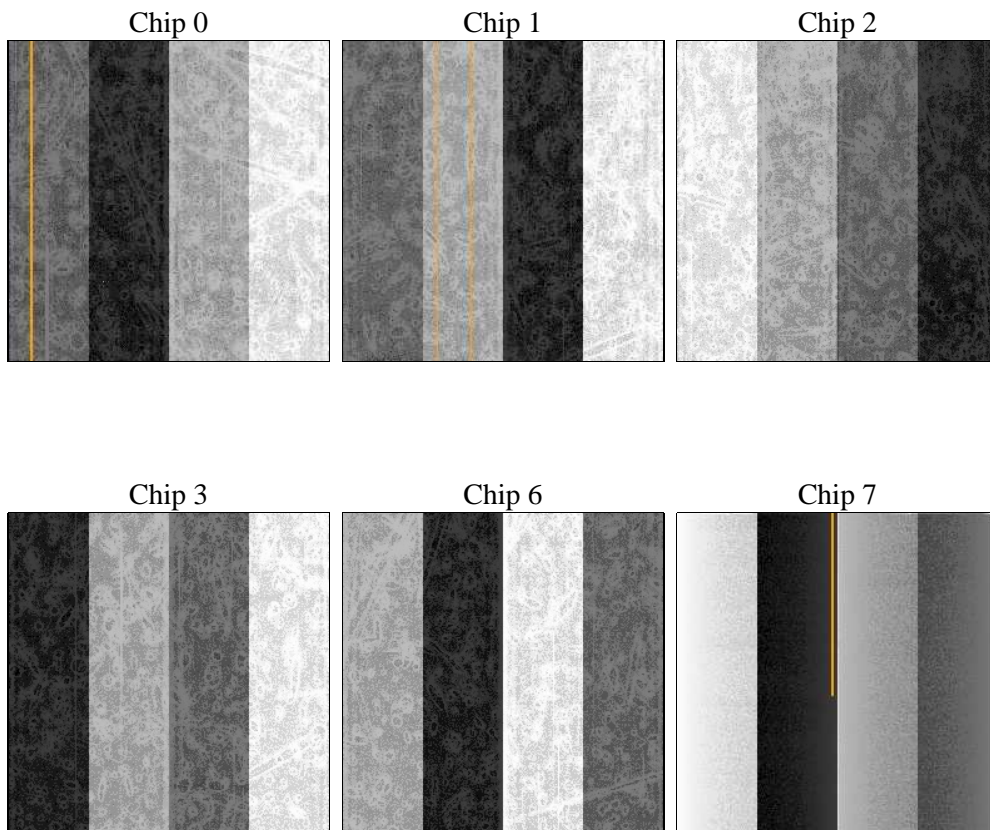
2 OBI

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	12198.318033993	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	7456.7825529575	Sum of GTIs [s]
date	2012-11-03T13:40:26	Date and time of file creation	ontime1	7680.410716325	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7197.5034883916	Sum of GTIs [s]
			ontime3	7288.2517516613	Sum of GTIs [s]
			ontime6	7923.4828677177	Sum of GTIs [s]
			ontime7	12198.318033993	Sum of GTIs [s]
			l1events	2208055	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	323416	333087	318886	323443	363978	545245	grade 0 events	153358	157550	152909	154533	169110	121041
rejected events	46161	47002	47203	48709	53036	63210		47%	47%	47%	47%	46%	22%
rejected %	14%	14%	14%	15%	14%	11%	grade 1 events	845	723	862	933	813	356
								0%	0%	0%	0%	0%	0%
							grade 2 events	48108	50568	46043	47077	53756	106656
								14%	15%	14%	14%	14%	19%
							grade 3 events	17849	18183	17743	17680	19236	48792
								5%	5%	5%	5%	5%	8%
							grade 4 events	17791	18028	17506	17952	19378	48292
								5%	5%	5%	5%	5%	8%
							grade 5 events	3241	3363	3026	3337	3704	11977
								1%	1%	0%	1%	1%	2%
							grade 6 events	40271	41868	37622	37831	49590	157410
								12%	12%	11%	11%	13%	28%
							grade 7 events	41953	42804	43175	44100	48391	50721
								12%	12%	13%	13%	13%	9%

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	253.1181183772912	Alternating exposures requested	N	N
[deg] Pointing Dec	0	56.2712136824932	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	238.8857005610768			
[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)	176587772.787225	176587771.76253			
Observation start date	2003-08-06T20:09:33	2003-08-06T20:09:31			
[s] Observation end time (MET)	176610964.438214	176610963.41352			
Observation end date	2003-08-07T02:36:04	2003-08-07T02:36:03			
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)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.198318033993

A.2 Comments