

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61424 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Sep 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

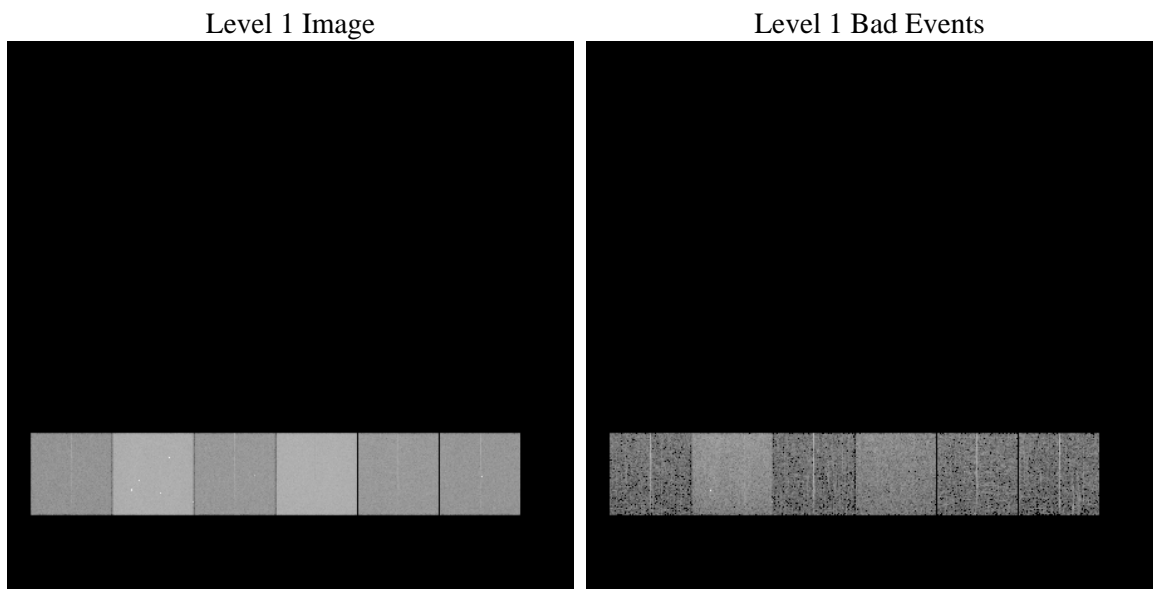
1 Front

seq_num	 	Sequence number
obs_id	61424	Observation id
title	ACIS-456789 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	321.04693157612	Nominal RA [deg]
dec_nom	-60.01640501792	Nominal Dec [deg]
roll_nom	292.33985274995	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6520.9106536955	Sum of GTIs [s]
livetime	6438.3389565774	Livetime [s]
ontime4	2508.4684318453	Sum of GTIs [s]
ontime5	6968.1505214125	Sum of GTIs [s]
ontime6	2728.9001913518	Sum of GTIs [s]
ontime7	6520.9106536955	Sum of GTIs [s]
ontime8	2816.4607123286	Sum of GTIs [s]
ontime9	2634.9629413188	Sum of GTIs [s]
l2events	1320783	Number of level 2 events

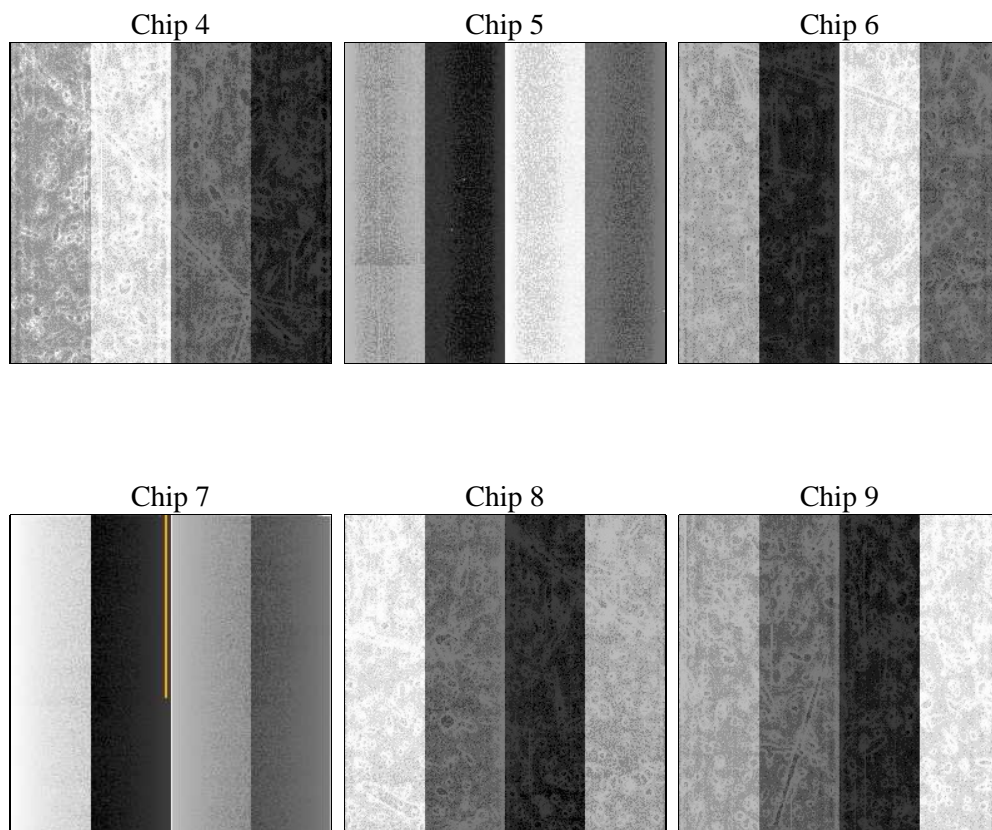
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6520.9106536955	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	2508.4684318453	Sum of GTIs [s]
date	2012-09-26T06:57:55	Date and time of file creation	ontime5	6968.1505214125	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2728.9001913518	Sum of GTIs [s]
			ontime7	6520.9106536955	Sum of GTIs [s]
			ontime8	2816.4607123286	Sum of GTIs [s]
			ontime9	2634.9629413188	Sum of GTIs [s]
			l1events	1544351	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	158585	412796	185820	421017	192634	173499	grade 0 events	78744	86855	90503	98318	94186	84157
rejected events	19216	48727	19997	32294	21641	19606		49%	21%	48%	23%	48%	48%
rejected %	12%	11%	10%	7%	11%	11%	grade 1 events	422	333	434	275	436	449
								0%	0%	0%	0%	0%	0%
							grade 2 events	24704	133300	28661	85971	30113	27701
								15%	32%	15%	20%	15%	15%
							grade 3 events	8572	21938	10263	39571	10790	9606
								5%	5%	5%	9%	5%	5%
							grade 4 events	8384	21658	10355	38912	10712	9370
								5%	5%	5%	9%	5%	5%
							grade 5 events	1323	9068	1442	6717	1665	1470
								0%	2%	0%	1%	0%	0%
							grade 6 events	18965	100318	26041	125951	25192	23059
								11%	24%	14%	29%	13%	13%
							grade 7 events	17471	39326	18121	25302	19540	17687
								11%	9%	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	321.046931576118	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-60.01640501791998	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	292.3398527499468			
[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)	120650742.47	120650741.70124			
Observation start date	2001-10-28T10:05:42	2001-10-28T10:05:41			
[s] Observation end time (MET)	120672052.221	120672051.45209			
Observation end date	2001-10-28T16:00:52	2001-10-28T16:00:51			
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)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.5209106536955

A.2 Comments