

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61810 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Sep 5 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

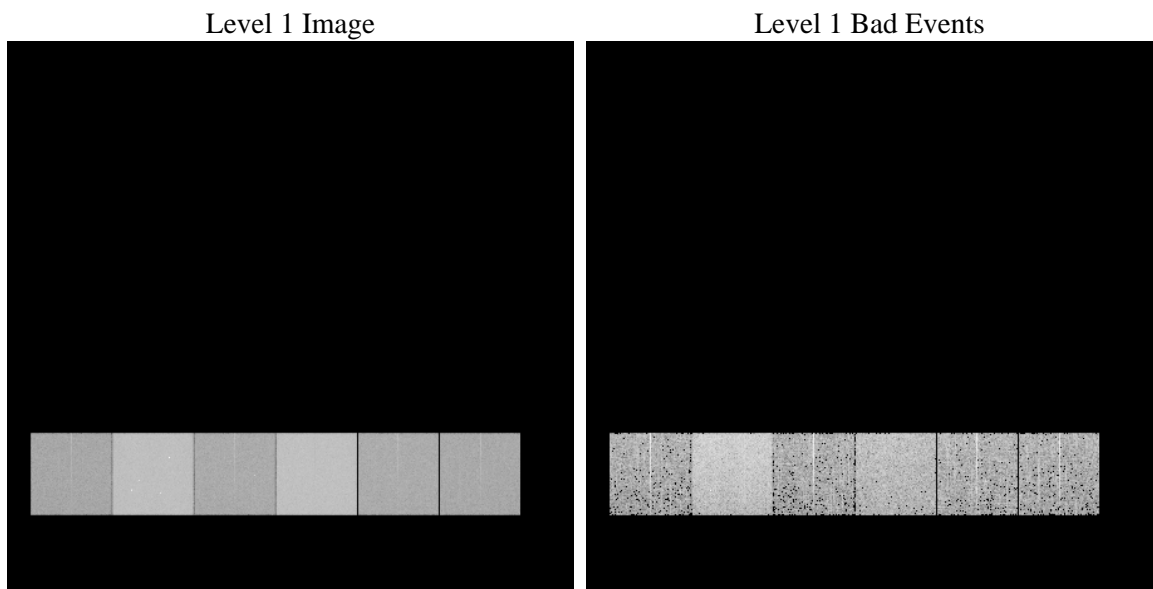
1 Front

seq_num	 	Sequence number
obs_id	61810	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	316.51944520659	Nominal RA [deg]
dec_nom	61.644853122504	Nominal Dec [deg]
roll_nom	317.11880216292	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5209.5535027981	Sum of GTIs [s]
livetime	5143.5869995291	Livetime [s]
ontime4	2171.4949898571	Sum of GTIs [s]
ontime5	5588.7050302029	Sum of GTIs [s]
ontime6	2346.511199221	Sum of GTIs [s]
ontime7	5209.5535027981	Sum of GTIs [s]
ontime8	2402.6771011949	Sum of GTIs [s]
ontime9	2262.2315703332	Sum of GTIs [s]
l2events	1349106	Number of level 2 events

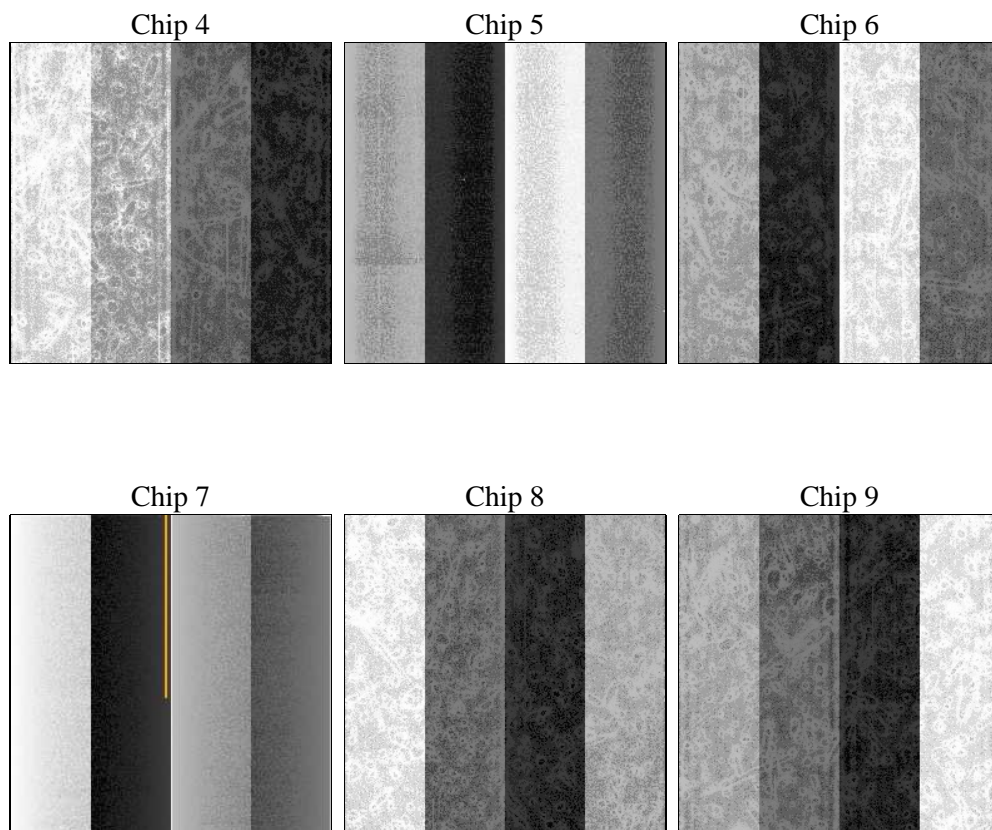
2 OBI

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	5209.5535027981	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	2171.4949898571	Sum of GTIs [s]
date	2012-09-05T05:17:31	Date and time of file creation	ontime5	5588.7050302029	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	2346.511199221	Sum of GTIs [s]
			ontime7	5209.5535027981	Sum of GTIs [s]
			ontime8	2402.6771011949	Sum of GTIs [s]
			ontime9	2262.2315703332	Sum of GTIs [s]
			l1events	1554964	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	170359	397056	195214	410300	200481	181554	grade 0 events	86595	89092	97048	98406	99350	89887
rejected events	18576	41394	18439	27277	20573	18710		50%	22%	49%	23%	49%	49%
rejected %	10%	10%	9%	6%	10%	10%	grade 1 events	502	253	492	277	483	495
								0%	0%	0%	0%	0%	0%
							grade 2 events	26606	126663	30715	85265	31758	28832
								15%	31%	15%	20%	15%	15%
							grade 3 events	9423	23226	11165	39180	11498	10224
								5%	5%	5%	9%	5%	5%
							grade 4 events	9310	23183	10889	39272	11501	9955
								5%	5%	5%	9%	5%	5%
							grade 5 events	1255	8095	1447	5814	1646	1473
								0%	2%	0%	1%	0%	0%
							grade 6 events	20561	94978	27730	122512	26551	24625
								12%	23%	14%	29%	13%	13%
							grade 7 events	16107	31566	15728	19574	17694	16063
								9%	7%	8%	4%	8%	8%

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	316.5194452065867	Alternating exposures requested	N	N
[deg] Pointing Dec	0	61.64485312250399	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	317.118802162922			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	93688518.219	93688517.45026501			
Observation start date	2000-12-20T08:35:18	2000-12-20T08:35:17			
[s] Observation end time (MET)	93710914.47	93710913.701122			
Observation end date	2000-12-20T14:48:34	2000-12-20T14:48:33			
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)	2012.09.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.2095535027981

A.2 Comments