

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 58946 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 2 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

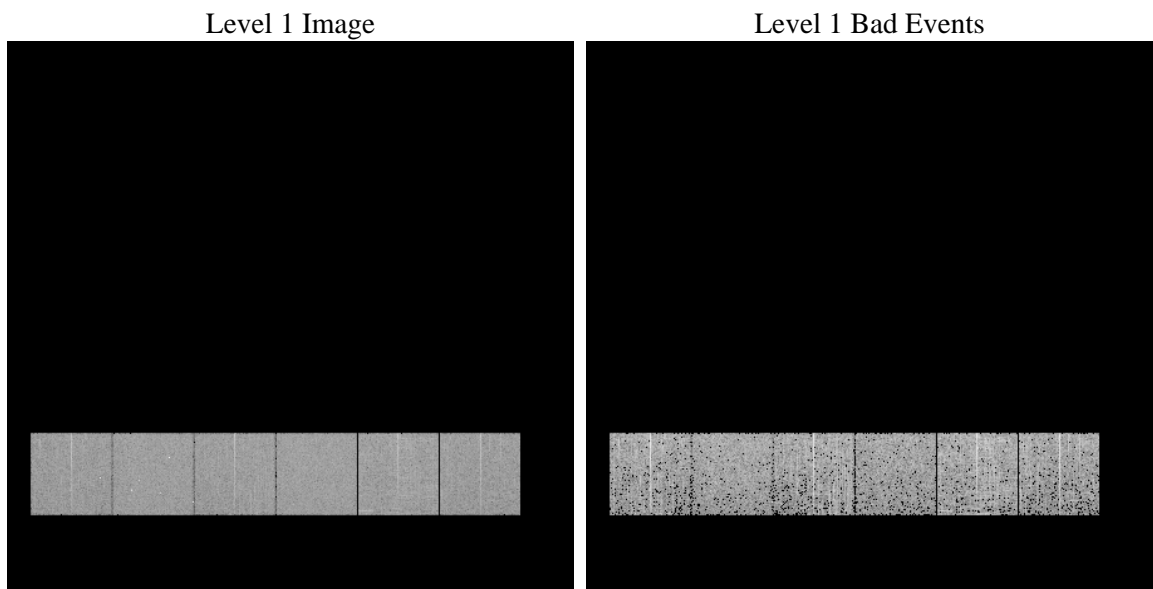
1 Front

seq_num	 	Sequence number
obs_id	58946	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	232.98703356696	Nominal RA [deg]
dec_nom	2.974475324601	Nominal Dec [deg]
roll_nom	210.24189706511	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2162.2738215327	Sum of GTIs [s]
livetime	2134.8938084395	Livetime [s]
ontime4	2162.1507015228	Sum of GTIs [s]
ontime5	2162.2327815294	Sum of GTIs [s]
ontime6	2162.1917415261	Sum of GTIs [s]
ontime7	2162.2738215327	Sum of GTIs [s]
ontime8	2162.1096615493	Sum of GTIs [s]
ontime9	2162.314861536	Sum of GTIs [s]
l2events	244168	Number of level 2 events

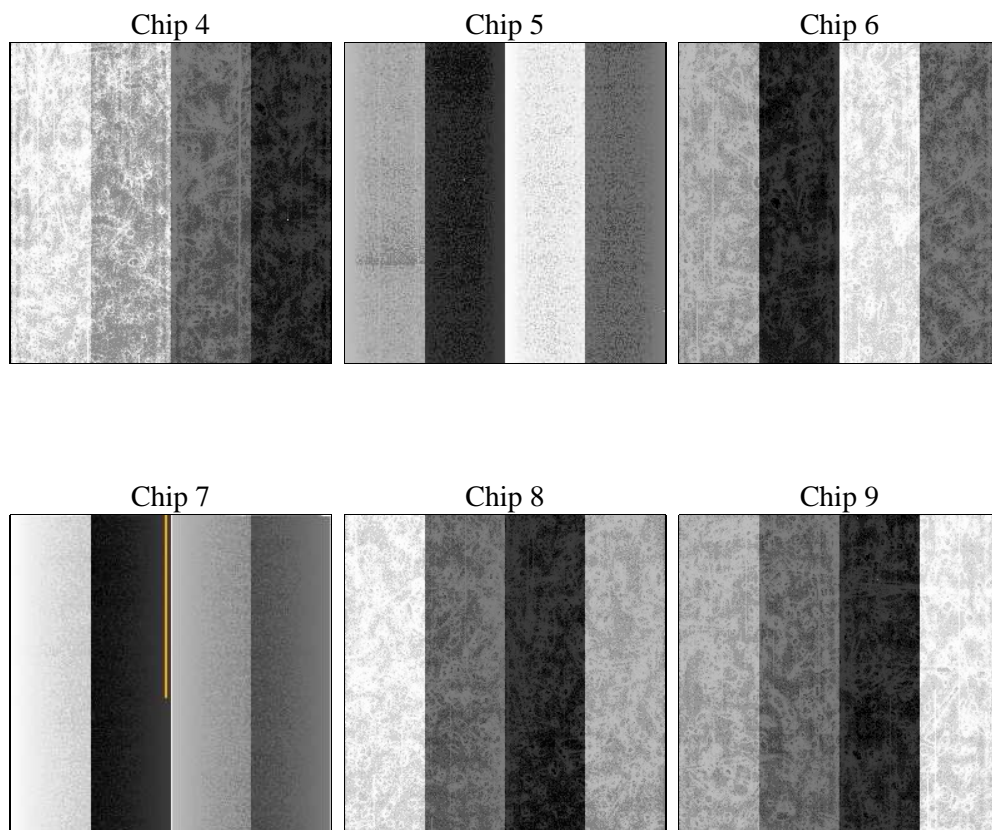
2 OBI

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	8.4.3.1	Processing system revision	ontime	2162.2738215327	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	2162.1507015228	Sum of GTIs [s]
date	2012-04-02T19:30:12	Date and time of file creation	ontime5	2162.2327815294	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2162.1917415261	Sum of GTIs [s]
			ontime7	2162.2738215327	Sum of GTIs [s]
			ontime8	2162.1096615493	Sum of GTIs [s]
			ontime9	2162.314861536	Sum of GTIs [s]
			l1events	375899	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	58842	63662	61880	64597	67650	59268	grade 0 events	22941	9211	22507	10863	23918	22176
rejected events	19176	17520	19870	15931	22301	18470		38%	14%	36%	16%	35%	37%
rejected %	32%	27%	32%	24%	32%	31%	grade 1 events	215	106	140	46	168	162
								0%	0%	0%	0%	0%	0%
							grade 2 events	6432	16568	7276	10572	8162	7135
								10%	26%	11%	16%	12%	12%
							grade 3 events	2682	2476	2791	4844	3169	2704
								4%	3%	4%	7%	4%	4%
							grade 4 events	2561	2440	2671	4784	3139	2650
								4%	3%	4%	7%	4%	4%
							grade 5 events	1036	2683	1152	2821	1404	1186
								1%	4%	1%	4%	2%	2%
							grade 6 events	5106	15513	6831	17670	7021	6192
								8%	24%	11%	27%	10%	10%
							grade 7 events	17869	14665	18512	12997	20669	17063
								30%	23%	29%	20%	30%	28%

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	232.9870335669632	Alternating exposures requested	N	N
[deg] Pointing Dec	0	2.974475324600981	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	210.2418970651098			
[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)	265469442.283571	265469441.25856			
Observation start date	2006-05-31T13:30:42	2006-05-31T13:30:41			
[s] Observation end time (MET)	265505222.985243	265505221.96023			
Observation end date	2006-05-31T23:27:03	2006-05-31T23:27:01			
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)	2012.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1622738215327

A.2 Comments