

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53707 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 10 2013

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

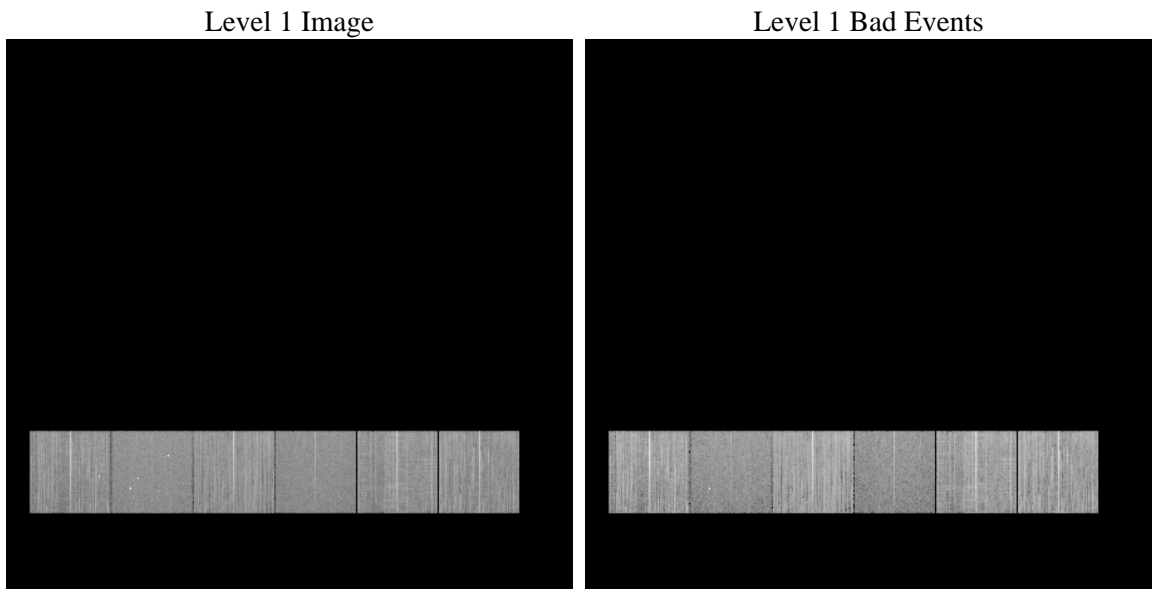
1 Front

seq_num	 	Sequence number
obs_id	53707	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	193.44600714065	Nominal RA [deg]
dec_nom	-26.331029053506	Nominal Dec [deg]
roll_nom	278.29857767492	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8162.3884453773	Sum of GTIs [s]
livetime	8059.0313680817	Livetime [s]
ontime4	8162.2653253675	Sum of GTIs [s]
ontime5	8162.3474053741	Sum of GTIs [s]
ontime6	8162.3063653708	Sum of GTIs [s]
ontime7	8162.3884453773	Sum of GTIs [s]
ontime8	8162.2242853642	Sum of GTIs [s]
ontime9	8162.4294853806	Sum of GTIs [s]
l2events	240799	Number of level 2 events

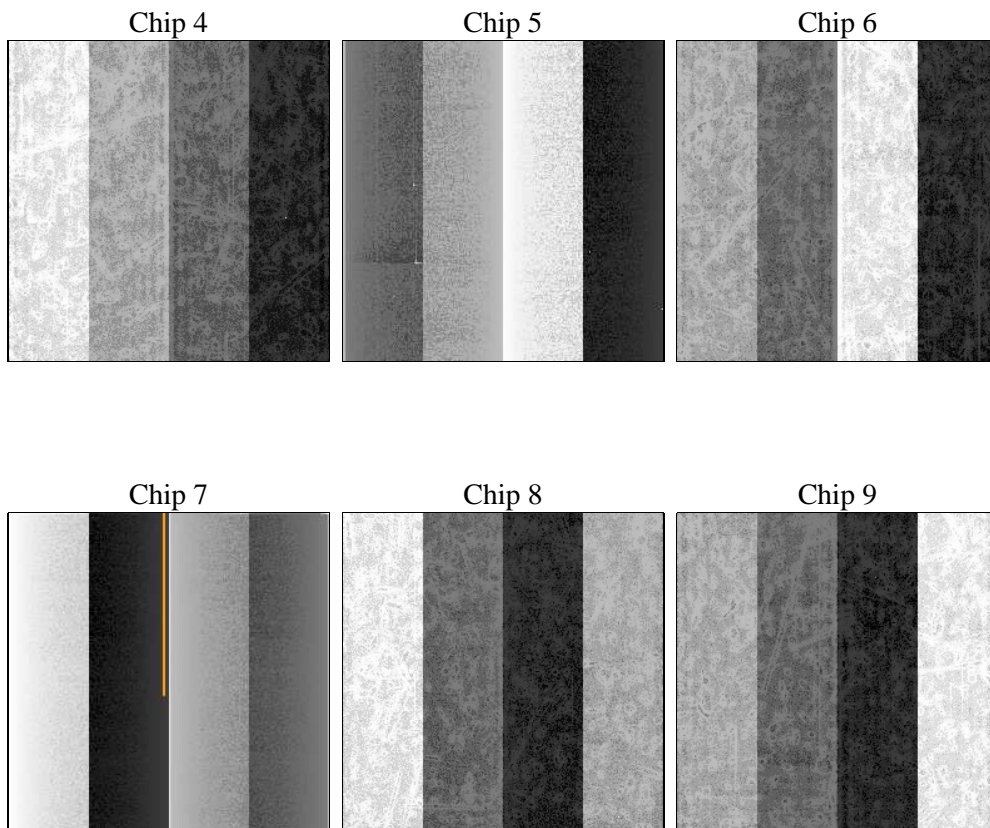
2 OBI

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	8.5.1.1	Processing system revision	ontime	8162.3884453773	Sum of GTIs [s]
caldsver	4.5.6	 	ontime4	8162.2653253675	Sum of GTIs [s]
date	2013-05-11T01:29:59	Date and time of file creation	ontime5	8162.3474053741	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8162.3063653708	Sum of GTIs [s]
			ontime7	8162.3884453773	Sum of GTIs [s]
			ontime8	8162.2242853642	Sum of GTIs [s]
			ontime9	8162.4294853806	Sum of GTIs [s]
			l1events	932539	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	156548	142484	172138	128927	166859	165583	grade 0 events	19114	9034	16885	8829	19236	17095
rejected events	122605	76815	138447	69540	124885	132471		12%	6%	9%	6%	11%	10%
rejected %	78%	53%	80%	53%	74%	80%	grade 1 events	124	110	78	92	117	98
								0%	0%	0%	0%	0%	0%
							grade 2 events	6240	24080	6822	14835	8741	6433
								3%	16%	3%	11%	5%	3%
							grade 3 events	2320	2414	2291	5045	3260	2315
								1%	1%	1%	3%	1%	1%
							grade 4 events	2347	2359	2282	4991	3261	2160
								1%	1%	1%	3%	1%	1%
							grade 5 events	3252	7037	3243	7777	4130	3754
								2%	4%	1%	6%	2%	2%
							grade 6 events	4427	28764	5907	26582	8172	5598
								2%	20%	3%	20%	4%	3%
							grade 7 events	118724	68686	134630	60776	119942	128130
								75%	48%	78%	47%	71%	77%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	193.4460071406458
[deg] Pointing Dec	0	-26.33102905350567
[deg] Pointing Roll	0.0	278.2985776749219
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	484586177.384292	484586177.384292
Observation start date	2013-05-10T15:16:17	2013-05-10T15:16:17
[s] Observation end time (MET)	484595228.650483	484595228.650483
Observation end date	2013-05-10T17:47:09	2013-05-10T17:47:08
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.05.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1623884453773

A.2 Comments