

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53956 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 11 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

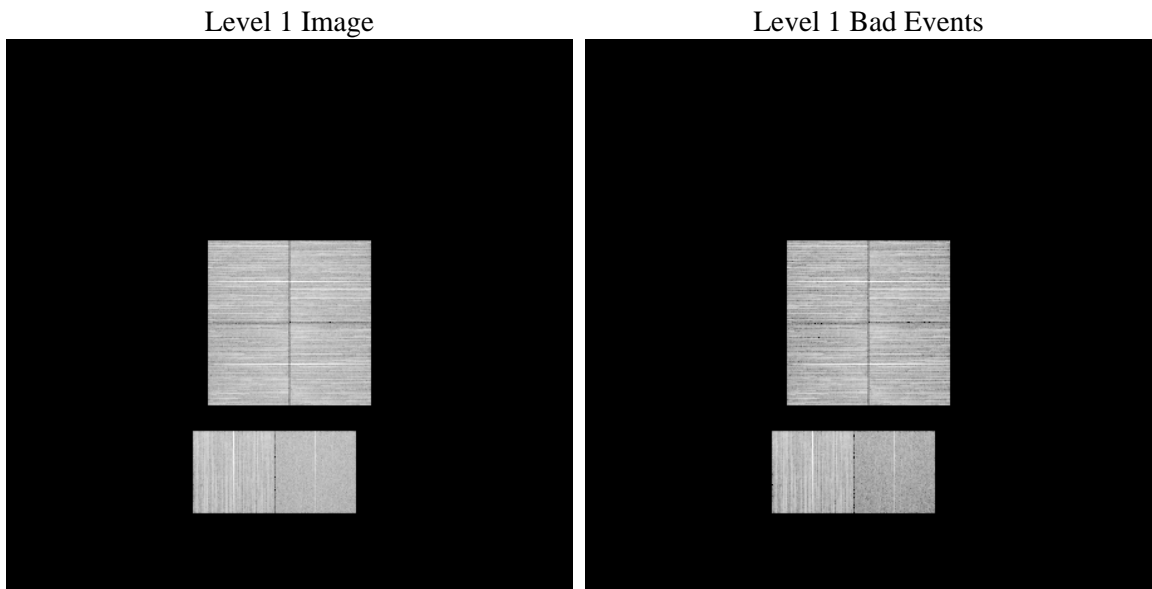
1 Front

seq_num	 	Sequence number
obs_id	53956	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	142.55301761035	Nominal RA [deg]
dec_nom	38.595583772768	Nominal Dec [deg]
roll_nom	178.58034220237	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8255.9999693036	Sum of GTIs [s]
livetime	8151.4575265259	Livetime [s]
ontime0	8255.9999693036	Sum of GTIs [s]
ontime1	8255.9999693036	Sum of GTIs [s]
ontime2	8255.9999693036	Sum of GTIs [s]
ontime3	8255.9999693036	Sum of GTIs [s]
ontime6	8255.9999693036	Sum of GTIs [s]
ontime7	8255.9999693036	Sum of GTIs [s]
l2events	222514	Number of level 2 events

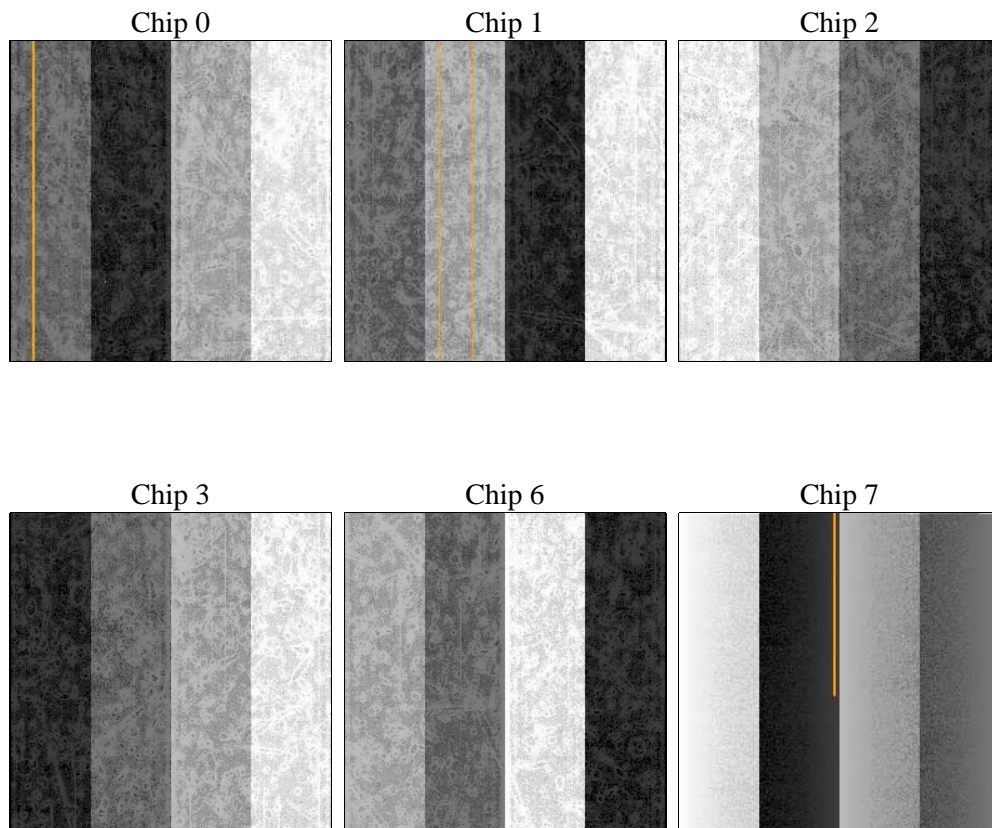
2 OBI

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	8255.9999693036	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	8255.9999693036	Sum of GTIs [s]
date	2013-02-10T17:23:42	Date and time of file creation	ontime1	8255.9999693036	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8255.9999693036	Sum of GTIs [s]
			ontime3	8255.9999693036	Sum of GTIs [s]
			ontime6	8255.9999693036	Sum of GTIs [s]
			ontime7	8255.9999693036	Sum of GTIs [s]
			l1events	1019997	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	177388	178155	165779	174507	185673	138495	grade 0 events	17110	15841	17810	17762	15995	8410
rejected events	143087	143700	131251	139828	150027	76430		9%	8%	10%	10%	8%	6%
rejected %	80%	80%	79%	80%	80%	55%	grade 1 events	81	91	88	103	80	86
								0%	0%	0%	0%	0%	0%
							grade 2 events	7339	8571	6992	6977	9025	15414
								4%	4%	4%	3%	4%	11%
							grade 3 events	2279	2117	2324	2368	2119	4808
								1%	1%	1%	1%	1%	3%
							grade 4 events	2153	2129	2364	2441	2064	4689
								1%	1%	1%	1%	1%	3%
							grade 5 events	2916	2957	2863	3245	3050	7712
								1%	1%	1%	1%	1%	5%
							grade 6 events	5520	5923	5163	5255	6568	28964
								3%	3%	3%	3%	3%	20%
							grade 7 events	139990	140526	128175	136356	146772	68412
								78%	78%	77%	78%	79%	49%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	142.5530176103472
[deg] Pointing Dec	0	38.59558377276793
[deg] Pointing Roll	0.0	178.5803422023664
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)	476848296.165585	476848296.165585
Observation start date	2013-02-10T01:51:36	2013-02-10T01:51:36
[s] Observation end time (MET)	476858113.305136	476858113.305136
Observation end date	2013-02-10T04:35:13	2013-02-10T04:35:13
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)	2013.02.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2559999693036

A.2 Comments