

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52828 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 19 2014

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

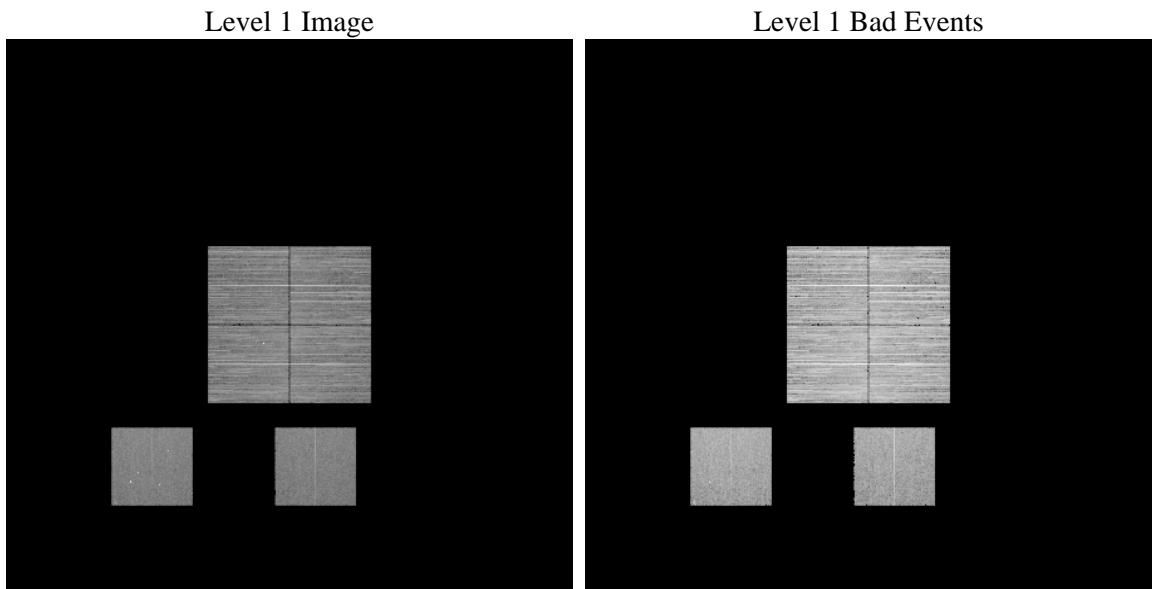
1 Front

seq_num	 	Sequence number
obs_id	52828	Observation id
title	ACIS-012357 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	358.0158119553	Nominal RA [deg]
dec_nom	55.027381618551	Nominal Dec [deg]
roll_nom	38.871675935762	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8166.1375420094	Sum of GTIs [s]
livetime	8062.7329913947	Livetime [s]
ontime0	8166.0965020061	Sum of GTIs [s]
ontime1	8166.0554620028	Sum of GTIs [s]
ontime2	8166.0144219995	Sum of GTIs [s]
ontime3	8166.1785820127	Sum of GTIs [s]
ontime5	8165.9733819962	Sum of GTIs [s]
ontime7	8166.1375420094	Sum of GTIs [s]
l2events	195662	Number of level 2 events

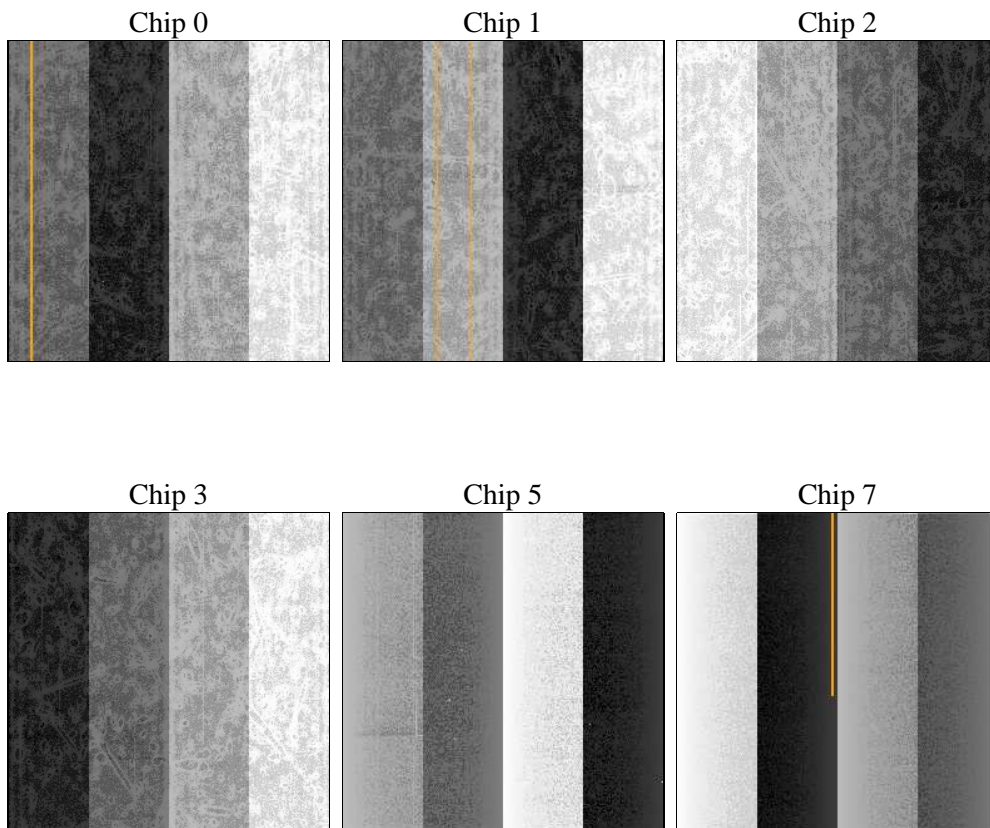
2 OBI

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	10.2.1	Processing system revision	ontime	8166.1375420094	Sum of GTIs [s]
caldsver	4.6.1	 	ontime0	8166.0965020061	Sum of GTIs [s]
date	2014-04-20T00:10:53	Date and time of file creation	ontime1	8166.0554620028	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8166.0144219995	Sum of GTIs [s]
			ontime3	8166.1785820127	Sum of GTIs [s]
			ontime5	8165.9733819962	Sum of GTIs [s]
			ontime7	8166.1375420094	Sum of GTIs [s]
			l1events	809160	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	131510	142237	154137	146179	122397	112700	grade 0 events	13007	12505	16376	13810	6766	6561
rejected events	105461	115857	125120	119524	68091	63728		9%	8%	10%	9%	5%	5%
rejected %	80%	81%	81%	81%	55%	56%	grade 1 events	66	53	72	86	222	63
								0%	0%	0%	0%	0%	0%
							grade 2 events	5614	6290	5450	5302	19654	12500
								4%	4%	3%	3%	16%	11%
							grade 3 events	1826	1772	1801	1873	1821	3773
								1%	1%	1%	1%	1%	3%
							grade 4 events	1761	1648	1823	1942	1723	3669
								1%	1%	1%	1%	1%	3%
							grade 5 events	2591	2448	2351	2986	5179	6469
								1%	1%	1%	2%	4%	5%
							grade 6 events	4206	4558	3982	4104	25057	23189
								3%	3%	2%	2%	20%	20%
							grade 7 events	102439	112963	122282	116076	61975	56476
								77%	79%	79%	79%	50%	50%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	358.0158119553031
[deg] Pointing Dec	0	55.02738161855059
[deg] Pointing Roll	0.0	38.87167593576187
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)	514289260.409763	514289260.409763
Observation start date	2014-04-19T10:07:40	2014-04-19T10:07:40
[s] Observation end time (MET)	514298525.601804	514298525.601804
Observation end date	2014-04-19T12:42:06	2014-04-19T12:42:05
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.04.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1661375420094

A.2 Comments