

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52810 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 27 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

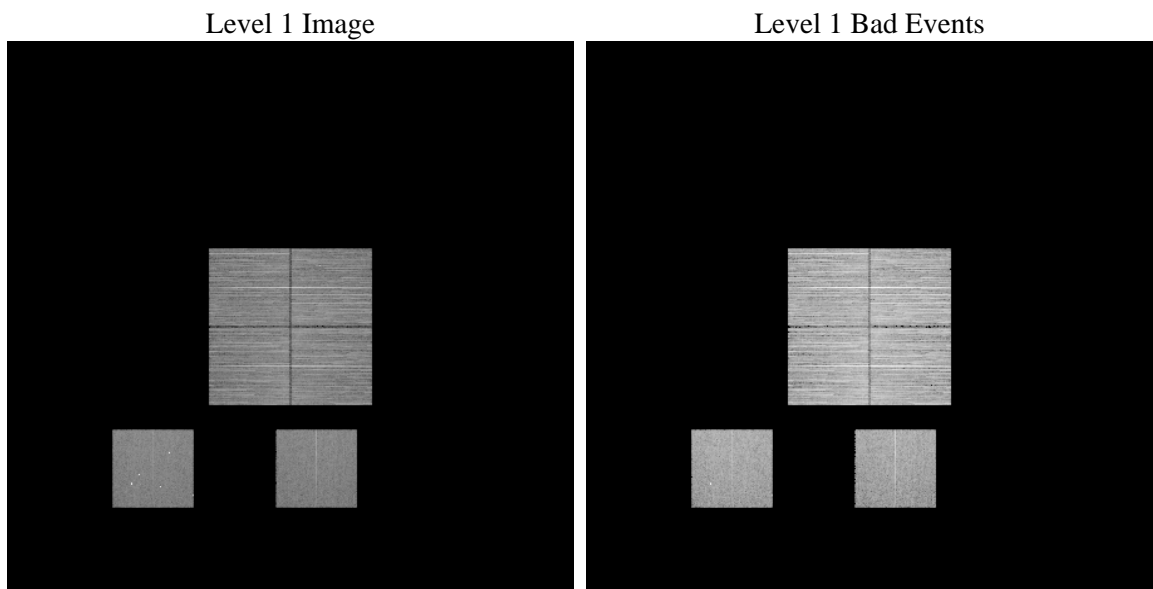
1 Front

seq_num	 	Sequence number
obs_id	52810	Observation id
title	ACIS-012357 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	344.32148080661	Nominal RA [deg]
dec_nom	-9.8808755432727	Nominal Dec [deg]
roll_nom	113.18704916749	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8259.1999692917	Sum of GTIs [s]
livetime	8154.6170061874	Livetime [s]
ontime0	8259.1999692917	Sum of GTIs [s]
ontime1	8259.1999692917	Sum of GTIs [s]
ontime2	8259.1999692917	Sum of GTIs [s]
ontime3	8259.1999692917	Sum of GTIs [s]
ontime5	8259.1999692917	Sum of GTIs [s]
ontime7	8259.1999692917	Sum of GTIs [s]
l2events	199276	Number of level 2 events

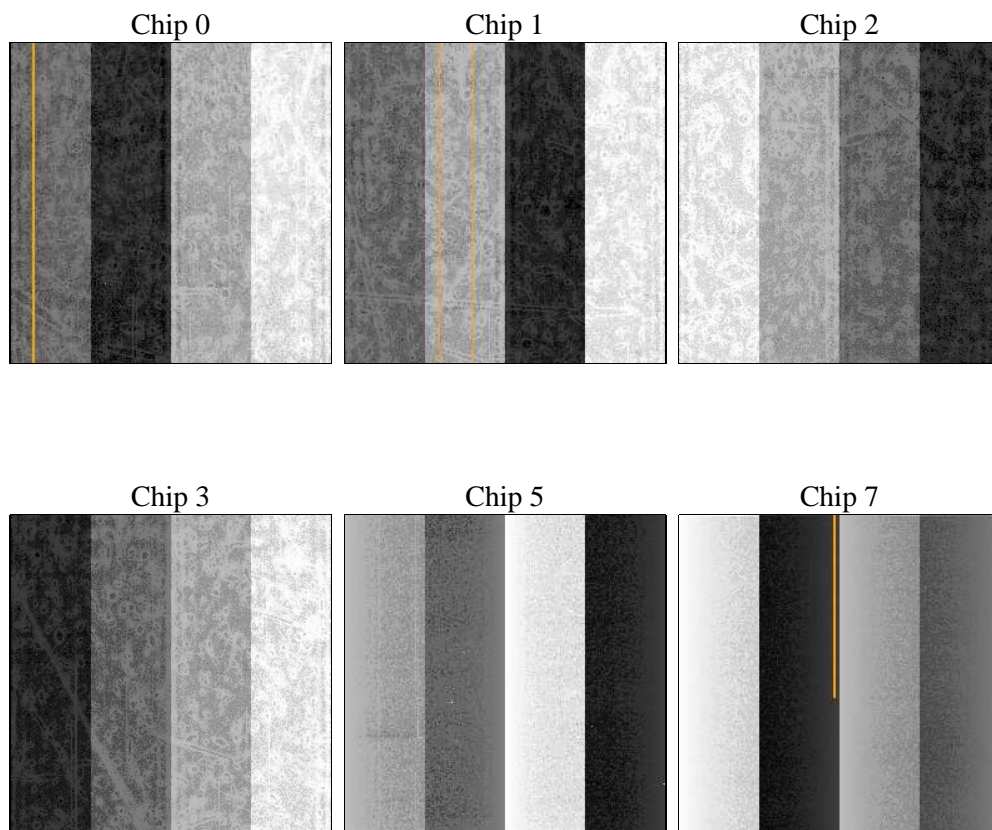
2 OBI

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	8259.1999692917	Sum of GTIs [s]
caldsver	4.6.1	 	ontime0	8259.1999692917	Sum of GTIs [s]
date	2014-04-27T21:12:06	Date and time of file creation	ontime1	8259.1999692917	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8259.1999692917	Sum of GTIs [s]
			ontime3	8259.1999692917	Sum of GTIs [s]
			ontime5	8259.1999692917	Sum of GTIs [s]
			ontime7	8259.1999692917	Sum of GTIs [s]
			l1events	810094	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	135032	145812	141113	145874	127122	115141	grade 0 events	12963	12455	13683	13816	10154	6722
rejected events	108793	118914	114688	118836	67237	64464		9%	8%	9%	9%	7%	5%
rejected %	80%	81%	81%	81%	52%	55%	grade 1 events	71	46	66	63	507	63
								0%	0%	0%	0%	0%	0%
							grade 2 events	5503	6365	5349	5211	21192	12646
								4%	4%	3%	3%	16%	10%
							grade 3 events	1794	1675	1792	1952	1710	3983
								1%	1%	1%	1%	1%	3%
							grade 4 events	1728	1823	1755	1903	1607	3977
								1%	1%	1%	1%	1%	3%
							grade 5 events	2648	2580	2552	2986	5208	6795
								1%	1%	1%	2%	4%	5%
							grade 6 events	4338	4678	3964	4256	25460	23548
								3%	3%	2%	2%	20%	20%
							grade 7 events	105987	116190	111952	115687	61284	57407
								78%	79%	79%	79%	48%	49%

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	344.3214808066103
[deg] Pointing Dec	0	-9.880875543272703
[deg] Pointing Roll	0.0	113.1870491674876
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)	514975325.747613	514975325.747613
Observation start date	2014-04-27T08:42:06	2014-04-27T08:42:05
[s] Observation end time (MET)	514983905.208016	514983905.208016
Observation end date	2014-04-27T11:05:05	2014-04-27T11:05:05
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.04.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2591999692917

A.2 Comments