

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52833 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 17 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

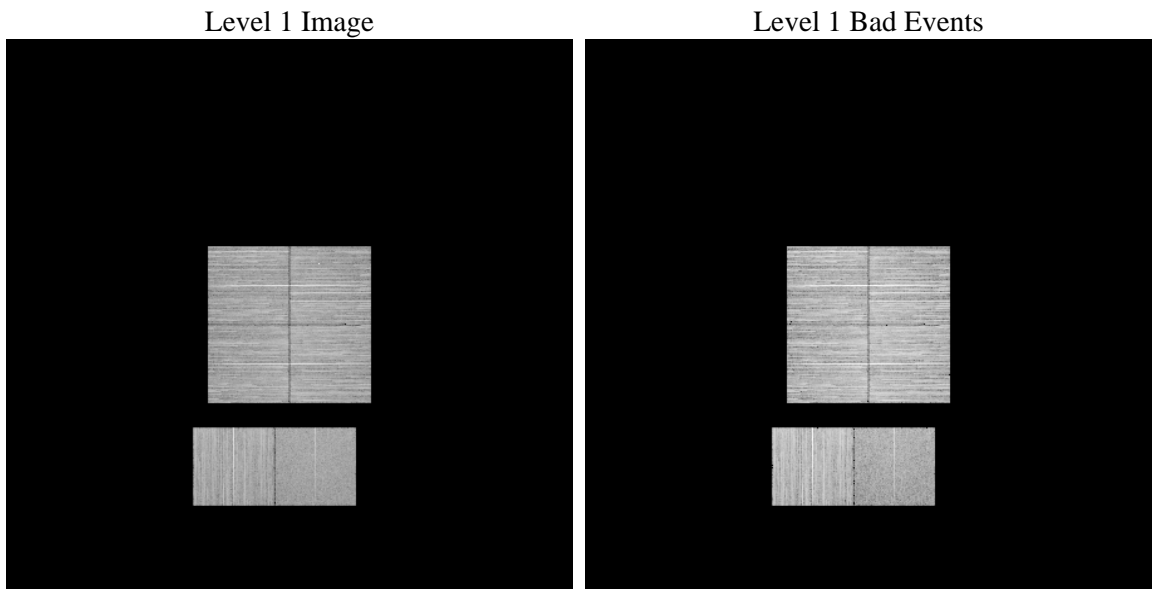
1 Front

seq_num	 	Sequence number
obs_id	52833	Observation id
title	ACIS-012367 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	77.028306180943	Nominal RA [deg]
dec_nom	38.981565442976	Nominal Dec [deg]
roll_nom	287.16290994787	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8060.7999700308	Sum of GTIs [s]
livetime	7958.7292671792	Livetime [s]
ontime0	8060.7999700308	Sum of GTIs [s]
ontime1	8060.7999700308	Sum of GTIs [s]
ontime2	8060.7999700308	Sum of GTIs [s]
ontime3	8060.7999700308	Sum of GTIs [s]
ontime6	8060.7999700308	Sum of GTIs [s]
ontime7	8060.7999700308	Sum of GTIs [s]
l2events	172097	Number of level 2 events

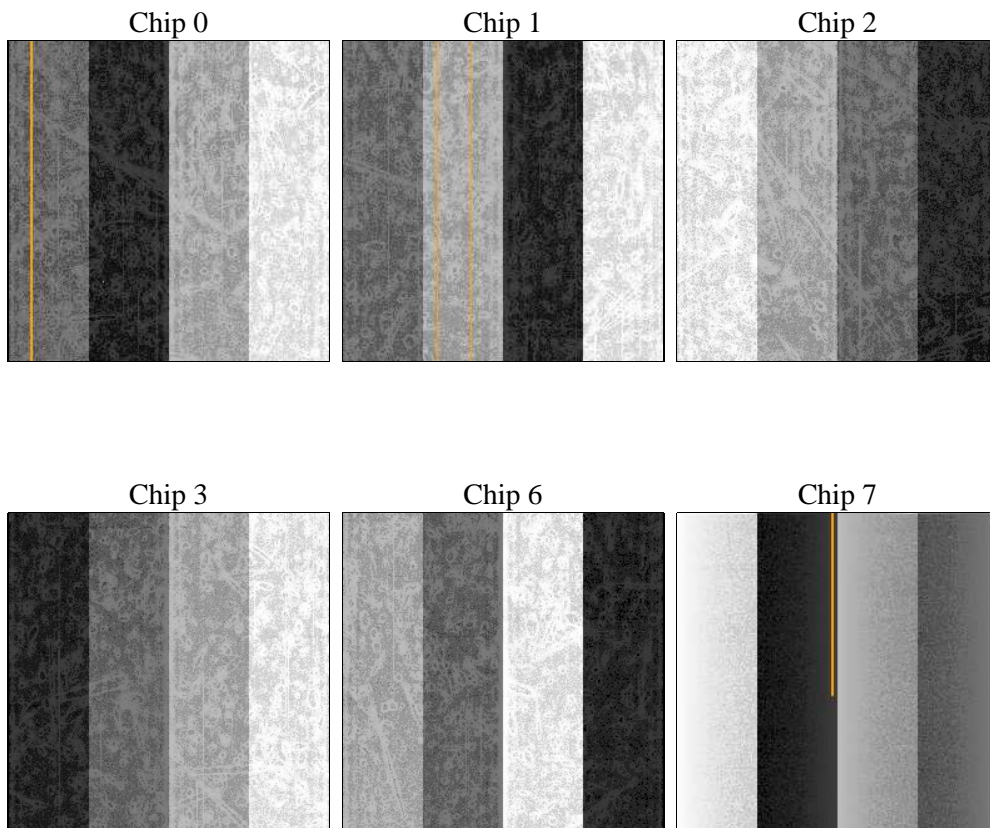
2 OBI

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	8060.7999700308	Sum of GTIs [s]
caldsver	4.6.1	 	ontime0	8060.7999700308	Sum of GTIs [s]
date	2014-04-17T12:24:19	Date and time of file creation	ontime1	8060.7999700308	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8060.7999700308	Sum of GTIs [s]
			ontime3	8060.7999700308	Sum of GTIs [s]
			ontime6	8060.7999700308	Sum of GTIs [s]
			ontime7	8060.7999700308	Sum of GTIs [s]
			l1events	851485	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	140590	146059	141867	155973	148663	118333	grade 0 events	13467	13718	13910	13808	13469	7066
rejected events	114568	118970	115733	129935	121480	67738		9%	9%	9%	8%	9%	5%
rejected %	81%	81%	81%	83%	81%	57%	grade 1 events	63	66	76	91	61	68
								0%	0%	0%	0%	0%	0%
							grade 2 events	5392	6058	5145	5193	5946	12963
								3%	4%	3%	3%	3%	10%
							grade 3 events	1811	1729	1905	1839	1795	4090
								1%	1%	1%	1%	1%	3%
							grade 4 events	1836	1840	1867	1887	1828	4071
								1%	1%	1%	1%	1%	3%
							grade 5 events	2799	2765	2614	3054	2986	7173
								1%	1%	1%	1%	2%	6%
							grade 6 events	4309	4548	4046	4066	4917	23867
								3%	3%	2%	2%	3%	20%
							grade 7 events	110913	115335	112304	126035	117661	59035
								78%	78%	79%	80%	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	77.02830618094335
[deg] Pointing Dec	0	38.98156544297551
[deg] Pointing Roll	0.0	287.1629099478703
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)	514063403.697304	514063403.697304
Observation start date	2014-04-16T19:23:24	2014-04-16T19:23:23
[s] Observation end time (MET)	514072734.349248	514072734.349248
Observation end date	2014-04-16T21:58:54	2014-04-16T21:58:54
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)	2014.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0607999700308

A.2 Comments