

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 55771 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 8 2012

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

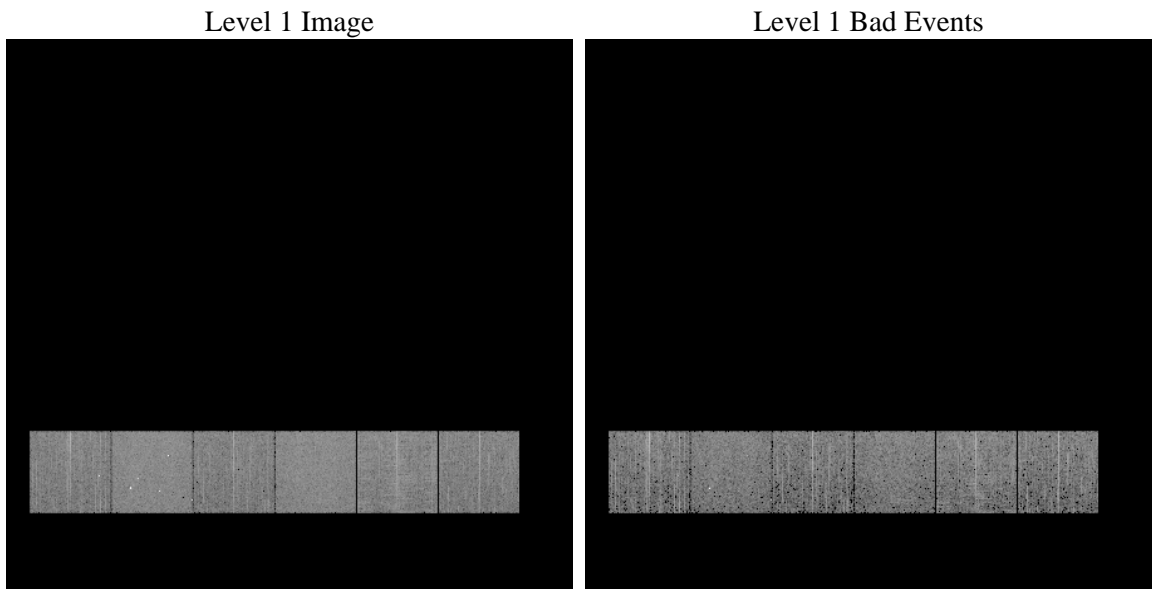
1 Front

seq_num	 	Sequence number
obs_id	55771	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	130.56723236055	Nominal RA [deg]
dec_nom	19.673103188208	Nominal Dec [deg]
roll_nom	70.659813740373	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3164.7999882698	Sum of GTIs [s]
livetime	3124.7253852046	Livetime [s]
ontime4	3164.7999882698	Sum of GTIs [s]
ontime5	3164.7999882698	Sum of GTIs [s]
ontime6	3164.7999882698	Sum of GTIs [s]
ontime7	3164.7999882698	Sum of GTIs [s]
ontime8	3164.7999882698	Sum of GTIs [s]
ontime9	3164.7999882698	Sum of GTIs [s]
l2events	144552	Number of level 2 events

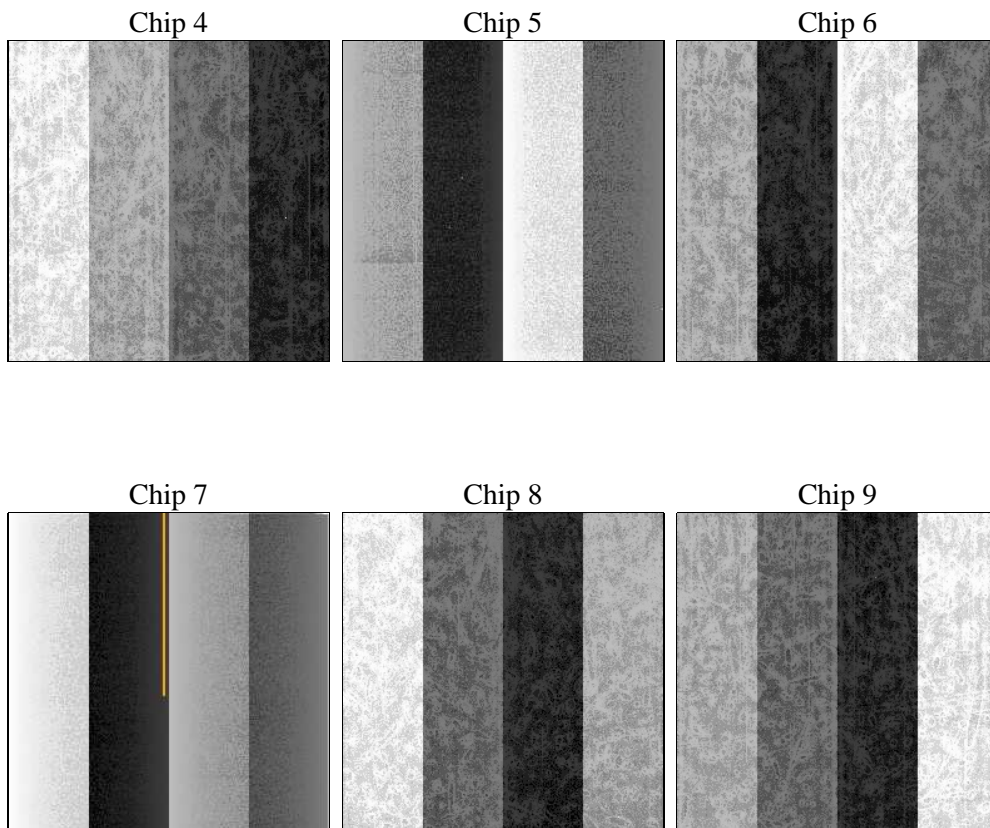
2 OBI

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	8.4.5	Processing system revision	ontime	3164.7999882698	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	3164.7999882698	Sum of GTIs [s]
date	2012-07-08T23:46:38	Date and time of file creation	ontime5	3164.7999882698	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3164.7999882698	Sum of GTIs [s]
			ontime7	3164.7999882698	Sum of GTIs [s]
			ontime8	3164.7999882698	Sum of GTIs [s]
			ontime9	3164.7999882698	Sum of GTIs [s]
			l1events	329815	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	50082	65071	47476	60725	57867	48594	grade 0 events	12861	6333	11601	5938	13267	11625
rejected events	28626	28273	25874	27102	31230	27364		25%	9%	24%	9%	22%	23%
rejected %	57%	43%	54%	44%	53%	56%	grade 1 events	115	146	71	57	83	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	3448	13368	4096	7627	5302	3924
								6%	20%	8%	12%	9%	8%
							grade 3 events	1571	1546	1472	3183	2087	1454
								3%	2%	3%	5%	3%	2%
							grade 4 events	1456	1478	1463	3119	1948	1503
								2%	2%	3%	5%	3%	3%
							grade 5 events	1555	3458	1597	3994	2129	1731
								3%	5%	3%	6%	3%	3%
							grade 6 events	2890	15391	3745	14932	5027	3465
								5%	23%	7%	24%	8%	7%
							grade 7 events	26186	23351	23431	21875	28024	24828
								52%	35%	49%	36%	48%	51%

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	130.567232360553
[deg] Pointing Dec	0	19.67310318820828
[deg] Pointing Roll	0.0	70.6598137403726
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	410099535.753478	410099535.753478
Observation start date	2010-12-30T12:32:16	2010-12-30T12:32:15
[s] Observation end time (MET)	410104618.432461	410104618.432461
Observation end date	2010-12-30T13:56:58	2010-12-30T13:56:58
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)	2012.07.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1647999882698

A.2 Comments