

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 55872 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 7 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

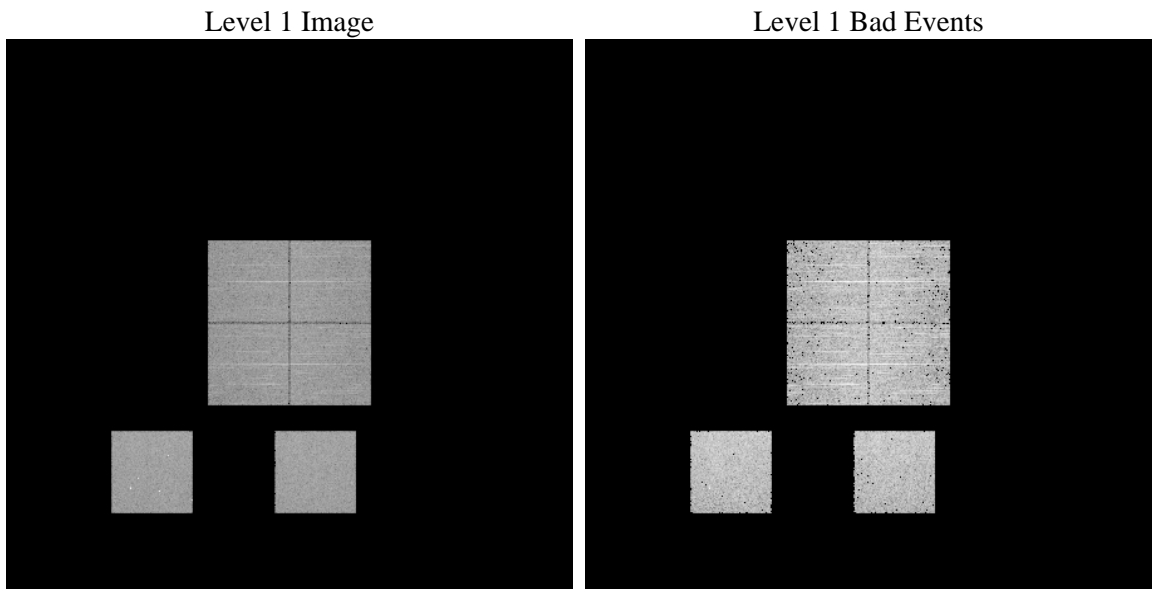
1 Front

seq_num	 	Sequence number
obs_id	55872	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	57.017087953005	Nominal RA [deg]
dec_nom	9.8233382661775	Nominal Dec [deg]
roll_nom	20.630432154304	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3158.3999882936	Sum of GTIs [s]
livetime	3118.4064258817	Livetime [s]
ontime0	3158.3999882936	Sum of GTIs [s]
ontime1	3158.3999882936	Sum of GTIs [s]
ontime2	3158.3999882936	Sum of GTIs [s]
ontime3	3158.3999882936	Sum of GTIs [s]
ontime5	3158.3999882936	Sum of GTIs [s]
ontime7	3158.3999882936	Sum of GTIs [s]
l2events	219209	Number of level 2 events

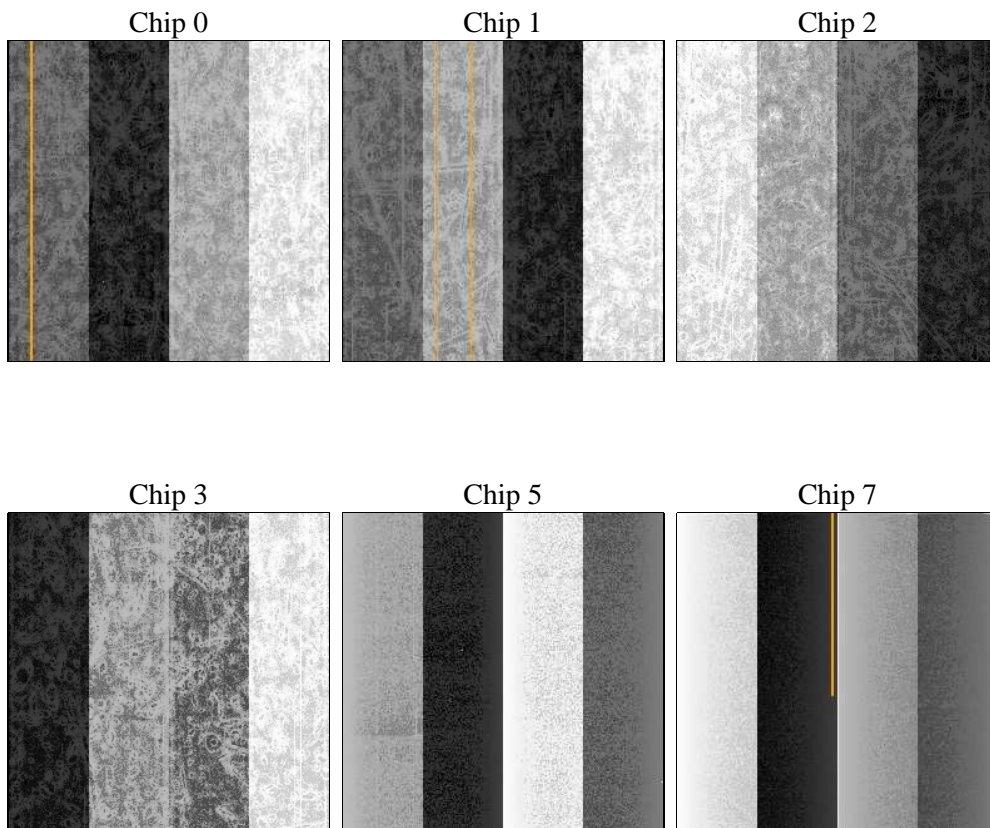
2 OBI

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	3158.3999882936	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	3158.3999882936	Sum of GTIs [s]
date	2012-07-07T04:00:54	Date and time of file creation	ontime1	3158.3999882936	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3158.3999882936	Sum of GTIs [s]
			ontime3	3158.3999882936	Sum of GTIs [s]
			ontime5	3158.3999882936	Sum of GTIs [s]
			ontime7	3158.3999882936	Sum of GTIs [s]
			l1events	398292	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	60833	63046	61790	64079	74083	74461	grade 0 events	18677	18147	18471	19349	7220	9632
rejected events	25898	27977	27887	28976	28571	28097		30%	28%	29%	30%	9%	12%
rejected %	42%	44%	45%	45%	38%	37%	grade 1 events	139	125	139	138	99	62
								0%	0%	0%	0%	0%	0%
							grade 2 events	6802	7361	6007	6233	17714	10711
								11%	11%	9%	9%	23%	14%
							grade 3 events	2291	2260	2326	2449	2016	4095
								3%	3%	3%	3%	2%	5%
							grade 4 events	2278	2243	2374	2445	1904	4179
								3%	3%	3%	3%	2%	5%
							grade 5 events	1601	1527	1491	1747	3511	4063
								2%	2%	2%	2%	4%	5%
							grade 6 events	6823	7081	6467	6529	18864	19944
								11%	11%	10%	10%	25%	26%
							grade 7 events	22222	24302	24515	25189	22755	21775
								36%	38%	39%	39%	30%	29%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	57.01708795300476	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	9.823338266177512	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	20.63043215430425	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
[mm] SIM translation stage pos	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	406444580.314972	406444580.314972			
Observation start date	2010-11-18T05:16:20	2010-11-18T05:16:20			
[s] Observation end time (MET)	406449128.023137	406449128.023137			
Observation end date	2010-11-18T06:32:08	2010-11-18T06:32:08			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1583999882936

A.2 Comments