

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55186 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 23 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

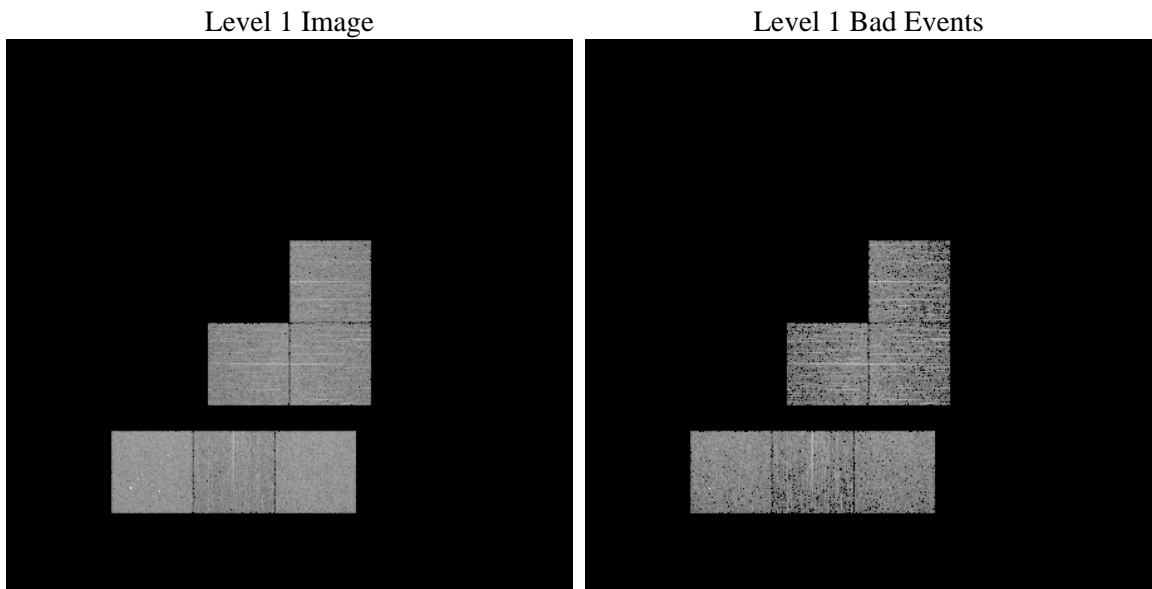
1 Front

seq_num	 	Sequence number
obs_id	55186	Observation id
title	ACIS-123567 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	328.02815558756	Nominal RA [deg]
dec_nom	-21.01155667194	Nominal Dec [deg]
roll_nom	303.23202943081	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3273.111731708	Sum of GTIs [s]
livetime	3231.6656201299	Livetime [s]
ontime1	3273.0296517015	Sum of GTIs [s]
ontime2	3272.9886116982	Sum of GTIs [s]
ontime3	3273.1527717113	Sum of GTIs [s]
ontime5	3273.0706917048	Sum of GTIs [s]
ontime6	3272.9475716949	Sum of GTIs [s]
ontime7	3273.111731708	Sum of GTIs [s]
l2events	131004	Number of level 2 events

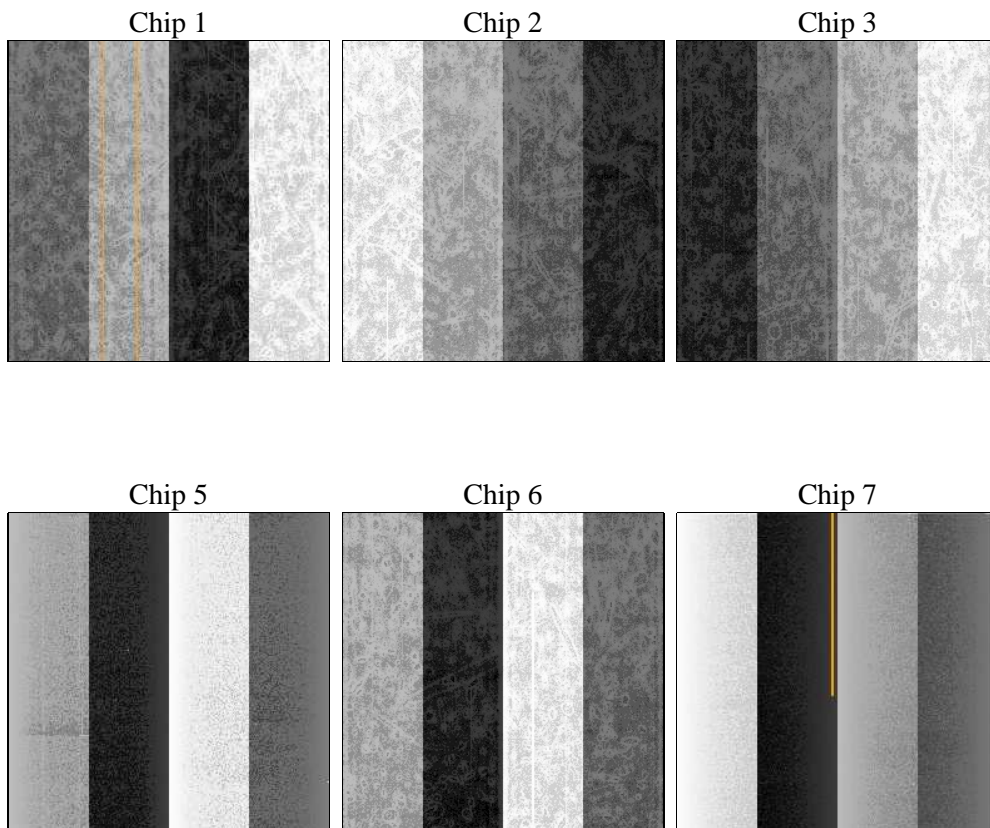
2 OBI

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	8.4.3	Processing system revision	ontime	3273.111731708	Sum of GTIs [s]
caldsver	4.4.8	 	ontime1	3273.0296517015	Sum of GTIs [s]
date	2012-02-23T04:44:46	Date and time of file creation	ontime2	3272.9886116982	Sum of GTIs [s]
revision	2	Processing version of data	ontime3	3273.1527717113	Sum of GTIs [s]
			ontime5	3273.0706917048	Sum of GTIs [s]
			ontime6	3272.9475716949	Sum of GTIs [s]
			ontime7	3273.111731708	Sum of GTIs [s]
			l1events	267027	Number of level 1 events

2.1.4 Events

	ccd 1	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7		ccd 1	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	38783	39504	40461	55331	40516	52432	grade 0 events	9627	9946	10032	4425	9957	5208
rejected events	19890	20798	21699	23729	21047	22102		24%	25%	24%	7%	24%	9%
rejected %	51%	52%	53%	42%	51%	42%	grade 1 events	44	62	59	52	46	50
								0%	0%	0%	0%	0%	0%
							grade 2 events	3567	3276	3353	11164	3622	6532
								9%	8%	8%	20%	8%	12%
							grade 3 events	1244	1378	1256	1346	1268	2750
								3%	3%	3%	2%	3%	5%
							grade 4 events	1381	1309	1295	1237	1286	2683
								3%	3%	3%	2%	3%	5%
							grade 5 events	1390	1189	1418	3025	1447	3558
								3%	3%	3%	5%	3%	6%
							grade 6 events	3074	2797	2826	13430	3336	13157
								7%	7%	6%	24%	8%	25%
							grade 7 events	18456	19547	20222	20652	19554	18494
								47%	49%	49%	37%	48%	35%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-123567	ACIS-123567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
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	328.0281555875642	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-21.01155667194018	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	303.2320294308059	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	432491424.14558	432491423.12058			
Observation start date	2011-09-15T16:30:24	2011-09-15T16:30:23			
[s] Observation end time (MET)	432498262.945938	432498261.92094			
Observation end date	2011-09-15T18:24:23	2011-09-15T18:24:21			
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)	2012.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.273111731708

A.2 Comments

One of two sequential CTI observations intended to test the new FEP video offsets. A Special Activity Request (SAR) submitted by the ACIS Team documents this test.