

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55077 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 26 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

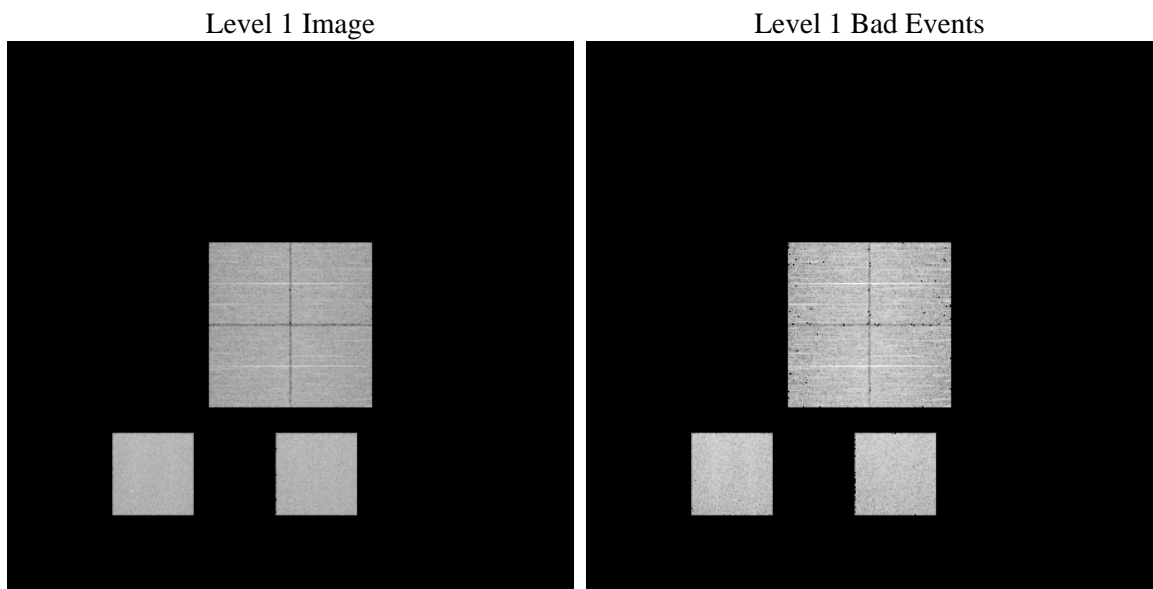
1 Front

seq_num	 	Sequence number
obs_id	55077	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	43.32524959072	Nominal RA [deg]
dec_nom	-7.636674593462	Nominal Dec [deg]
roll_nom	271.71977868226	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7042.6893330812	Sum of GTIs [s]
livetime	6953.5105601474	Livetime [s]
ontime0	6932.452933073	Sum of GTIs [s]
ontime1	6929.1725791097	Sum of GTIs [s]
ontime2	6922.6494591236	Sum of GTIs [s]
ontime3	6926.0546987653	Sum of GTIs [s]
ontime5	7042.525173068	Sum of GTIs [s]
ontime7	7042.6893330812	Sum of GTIs [s]
l2events	261018	Number of level 2 events

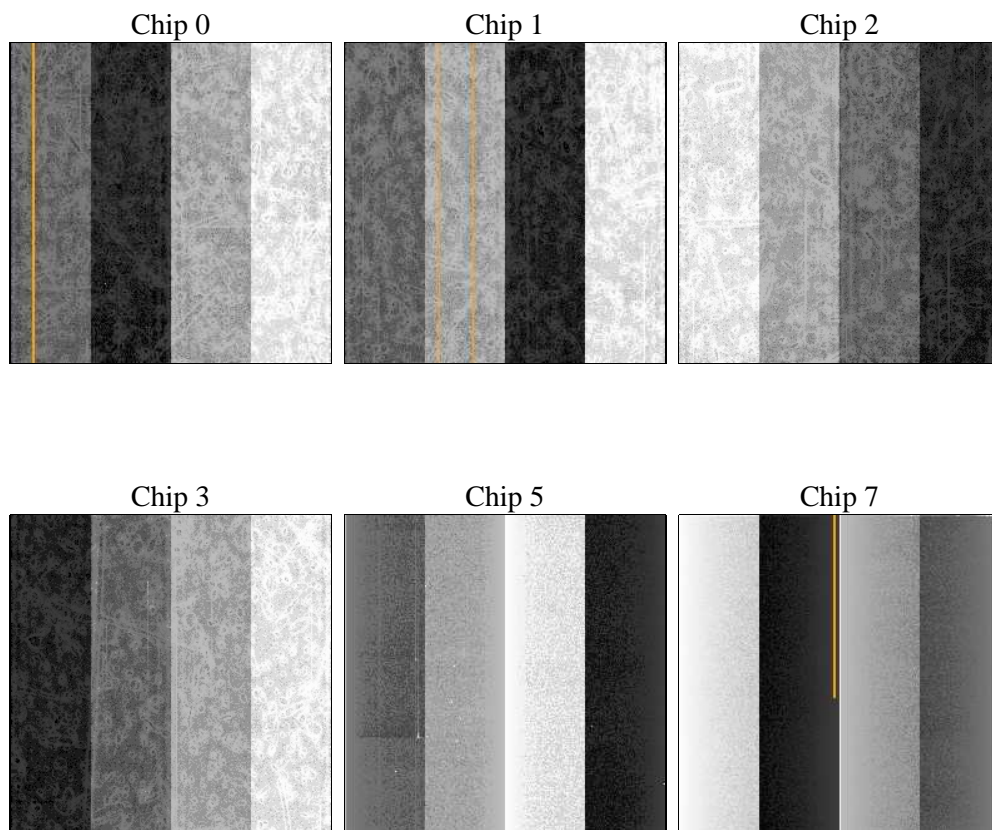
2 OBI

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	7042.6893330812	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	6932.452933073	Sum of GTIs [s]
date	2012-02-26T05:41:54	Date and time of file creation	ontime1	6929.1725791097	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	6922.6494591236	Sum of GTIs [s]
			ontime3	6926.0546987653	Sum of GTIs [s]
			ontime5	7042.525173068	Sum of GTIs [s]
			ontime7	7042.6893330812	Sum of GTIs [s]
			l1events	560133	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	81739	82056	82890	84634	115692	113122	grade 0 events	19501	18328	20495	20390	6071	10020
rejected events	44835	44937	45747	47240	52035	51179		23%	22%	24%	24%	5%	8%
rejected %	54%	54%	55%	55%	44%	45%	grade 1 events	126	103	132	125	156	106
								0%	0%	0%	0%	0%	0%
							grade 2 events	7103	8364	6565	6600	24039	13954
								8%	10%	7%	7%	20%	12%
							grade 3 events	2548	2315	2599	2625	2170	5165
								3%	2%	3%	3%	1%	4%
							grade 4 events	2419	2356	2602	2633	2133	5223
								2%	2%	3%	3%	1%	4%
							grade 5 events	2710	2623	2557	3024	5704	7248
								3%	3%	3%	3%	4%	6%
							grade 6 events	5943	6287	5488	5715	30200	28514
								7%	7%	6%	6%	26%	25%
							grade 7 events	41389	41680	42452	43522	45219	42892
								50%	50%	51%	51%	39%	37%

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	43.32524959072035
[deg] Pointing Dec	0	-7.636674593461969
[deg] Pointing Roll	0.0	271.7197786822605
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)	436858207.062148	436858207.062148
Observation start date	2011-11-05T05:30:07	2011-11-05T05:30:07
[s] Observation end time (MET)	436867909.232679	436867909.232679
Observation end date	2011-11-05T08:11:49	2011-11-05T08:11:49
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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.0426893330812

A.2 Comments