

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 60037 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 9 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

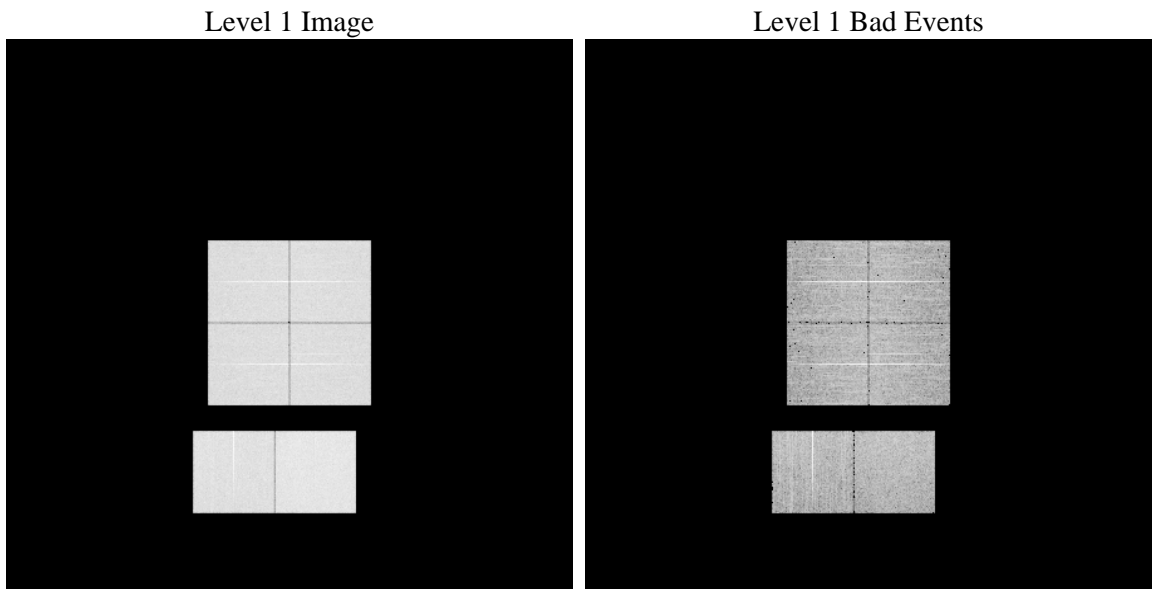
1 Front

seq_num	 	Sequence number
obs_id	60037	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	250.00736865068	Nominal RA [deg]
dec_nom	-14.025285520841	Nominal Dec [deg]
roll_nom	264.6407843369	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8280.7552199066	Sum of GTIs [s]
livetime	8175.8993112399	Livetime [s]
ontime0	6695.9156604707	Sum of GTIs [s]
ontime1	6841.7674327195	Sum of GTIs [s]
ontime2	6481.9297420084	Sum of GTIs [s]
ontime3	6498.2256816924	Sum of GTIs [s]
ontime6	7100.9129351676	Sum of GTIs [s]
ontime7	8280.7552199066	Sum of GTIs [s]
l2events	1155772	Number of level 2 events

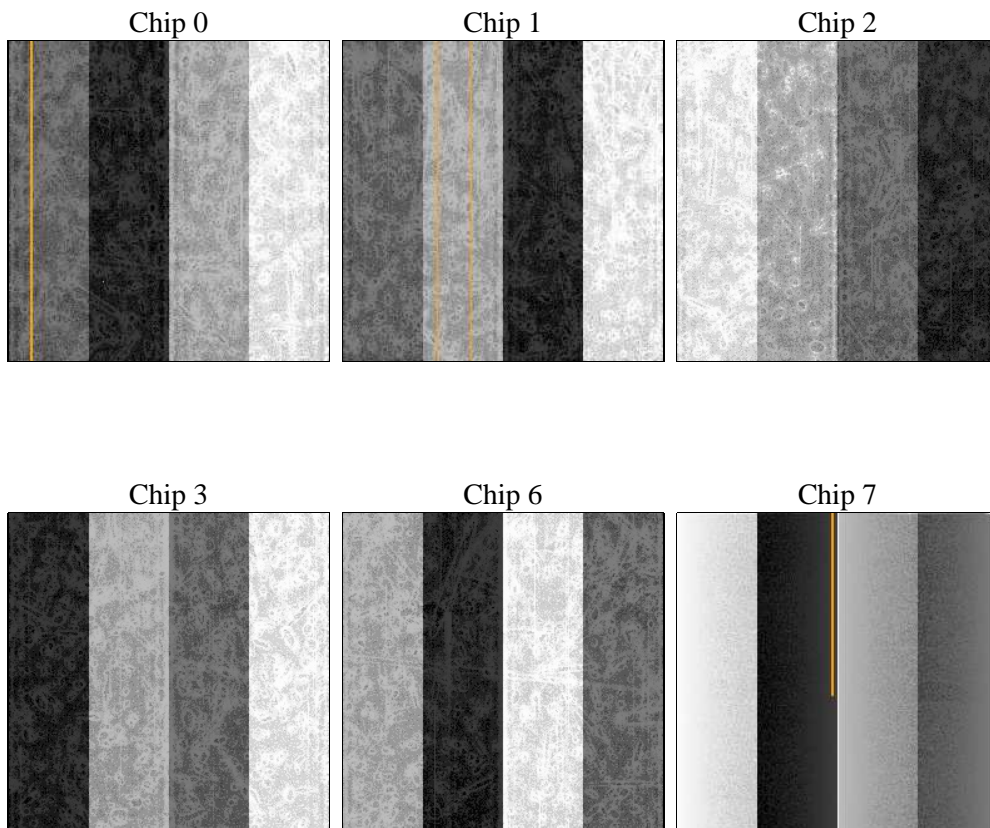
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	8280.7552199066	Sum of GTIs [s]
caldsver	4.5.4	 	ontime0	6695.9156604707	Sum of GTIs [s]
date	2012-12-09T04:03:24	Date and time of file creation	ontime1	6841.7674327195	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6481.9297420084	Sum of GTIs [s]
			ontime3	6498.2256816924	Sum of GTIs [s]
			ontime6	7100.9129351676	Sum of GTIs [s]
			ontime7	8280.7552199066	Sum of GTIs [s]
			l1events	1498225	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	233637	237700	229626	232258	259404	305600	grade 0 events	103461	105285	103097	104094	113327	61839
rejected events	45676	45563	46180	47408	50726	49357		44%	44%	44%	44%	43%	20%
rejected %	19%	19%	20%	20%	19%	16%	grade 1 events	582	525	627	661	566	187
								0%	0%	0%	0%	0%	0%
							grade 2 events	32815	34440	30493	31064	35910	56448
								14%	14%	13%	13%	13%	18%
							grade 3 events	12307	12021	12130	12167	13020	25255
								5%	5%	5%	5%	5%	8%
							grade 4 events	12142	12177	11965	12194	12765	25119
								5%	5%	5%	5%	4%	8%
							grade 5 events	2845	2908	2679	3134	3371	8835
								1%	1%	1%	1%	1%	2%
							grade 6 events	27236	28214	25761	25331	33656	87582
								11%	11%	11%	10%	12%	28%
							grade 7 events	42249	42130	42874	43613	46789	40335
								18%	17%	18%	18%	18%	13%

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	250.0073686506759
[deg] Pointing Dec	0	-14.02528552084134
[deg] Pointing Roll	0.0	264.6407843369049
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	212042489.488568	212042488.46355
Observation start date	2004-09-20T04:41:29	2004-09-20T04:41:28
[s] Observation end time (MET)	212066222.33963	212066221.31461
Observation end date	2004-09-20T11:17:02	2004-09-20T11:17:01
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2807552199066

A.2 Comments