

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58427 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Apr 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

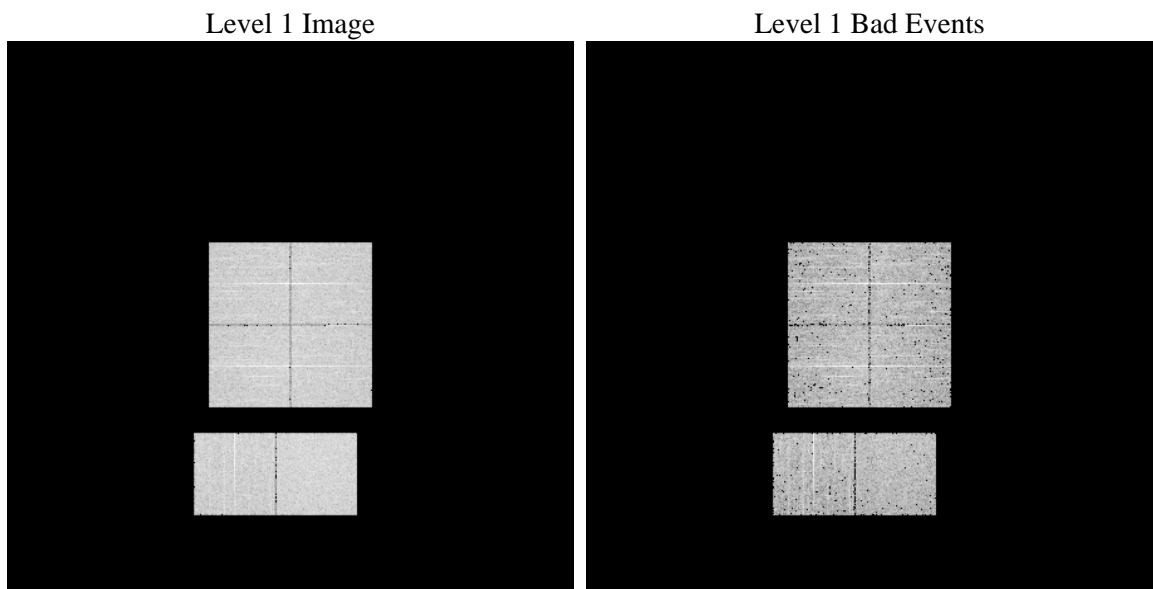
1 Front

seq_num	 	Sequence number
obs_id	58427	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	175.10807022946	Nominal RA [deg]
dec_nom	-2.6281048766821	Nominal Dec [deg]
roll_nom	252.90764177826	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2105.5999922156	Sum of GTIs [s]
livetime	2078.9376172741	Livetime [s]
ontime0	2105.5999922156	Sum of GTIs [s]
ontime1	2105.5999922156	Sum of GTIs [s]
ontime2	2105.5999922156	Sum of GTIs [s]
ontime3	2105.5999922156	Sum of GTIs [s]
ontime6	2105.5999922156	Sum of GTIs [s]
ontime7	2105.5999922156	Sum of GTIs [s]
l2events	192376	Number of level 2 events

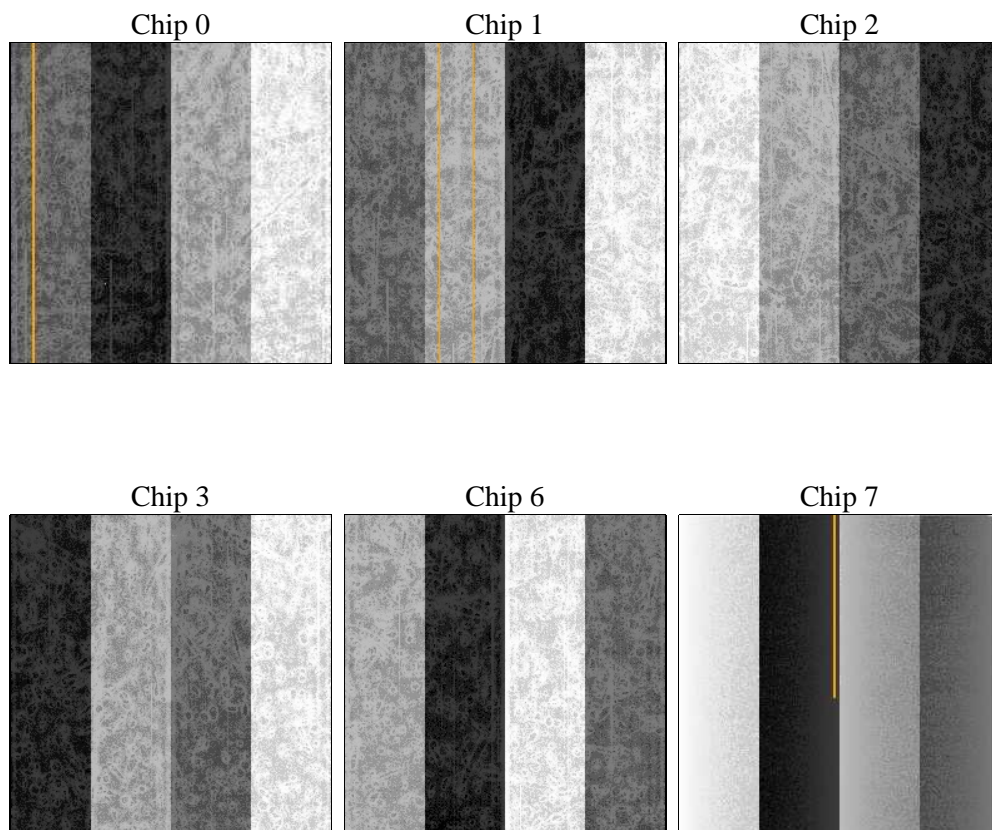
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	960	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2105.5999922156	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	2105.5999922156	Sum of GTIs [s]
date	2012-04-23T20:31:44	Date and time of file creation	ontime1	2105.5999922156	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2105.5999922156	Sum of GTIs [s]
			ontime3	2105.5999922156	Sum of GTIs [s]
			ontime6	2105.5999922156	Sum of GTIs [s]
			ontime7	2105.5999922156	Sum of GTIs [s]
			l1events	354749	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	57295	56764	58754	57508	58435	65993	grade 0 events	19886	19640	20139	20480	20108	9938
rejected events	25326	24712	26848	25052	25331	24759		34%	34%	34%	35%	34%	15%
rejected %	44%	43%	45%	43%	43%	37%	grade 1 events	135	111	142	145	120	56
								0%	0%	0%	0%	0%	0%
							grade 2 events	6410	6645	6315	6364	6616	10210
								11%	11%	10%	11%	11%	15%
							grade 3 events	2396	2383	2439	2448	2431	4560
								4%	4%	4%	4%	4%	6%
							grade 4 events	2471	2341	2468	2498	2414	4622
								4%	4%	4%	4%	4%	7%
							grade 5 events	1133	1187	1096	1275	1281	3244
								1%	2%	1%	2%	2%	4%
							grade 6 events	5325	5553	5209	5198	6247	17733
								9%	9%	8%	9%	10%	26%
							grade 7 events	19539	18904	20946	19100	19218	15630
								34%	33%	35%	33%	32%	23%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	175.1080497696405	175.1080702294638	Subarray requested	NONE	NONE
[deg] Pointing Dec	-2.627982184339432	-2.628104876682122	Alternating exposures requested	N	N
[deg] Pointing Roll	252.907641399417	252.9076417782645	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.0388663562	-1.0388663562			
[mm] SIM defocus	0.4944702069557434	0.4944702069557434			
[mm] SIM translation stage pos	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	293570173.260033	293570173.260033			
Observation start date	2007-04-21T19:57:00	2007-04-21T19:16:13			
[s] Observation end time (MET)	293574300.86075	293574300.86075			
Observation end date	2007-04-21T20:13:00	2007-04-21T20:25:00			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1055999922156

A.2 Comments