

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 59995 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 10 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

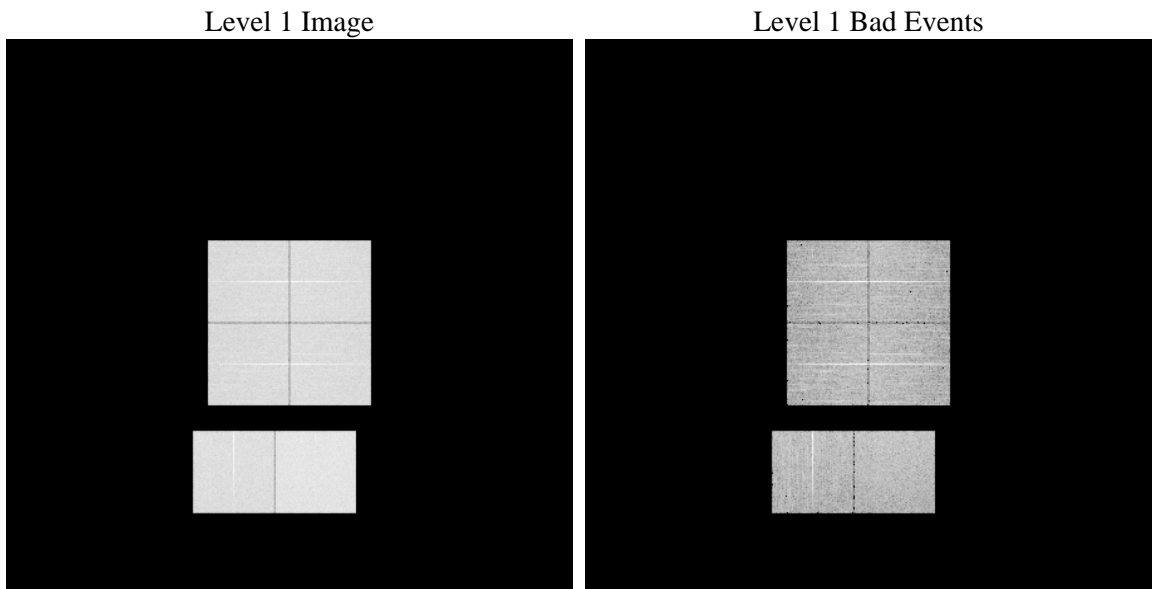
1 Front

seq_num	 	Sequence number
obs_id	59995	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	23.986225943379	Nominal RA [deg]
dec_nom	15.974626767412	Nominal Dec [deg]
roll_nom	209.56608634499	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8184.2165991366	Sum of GTIs [s]
livetime	8080.5831206147	Livetime [s]
ontime0	6427.5688858926	Sum of GTIs [s]
ontime1	6589.5775050819	Sum of GTIs [s]
ontime2	6161.1683607697	Sum of GTIs [s]
ontime3	6388.7600586116	Sum of GTIs [s]
ontime6	6861.7367603779	Sum of GTIs [s]
ontime7	8184.2165991366	Sum of GTIs [s]
l2events	1113508	Number of level 2 events

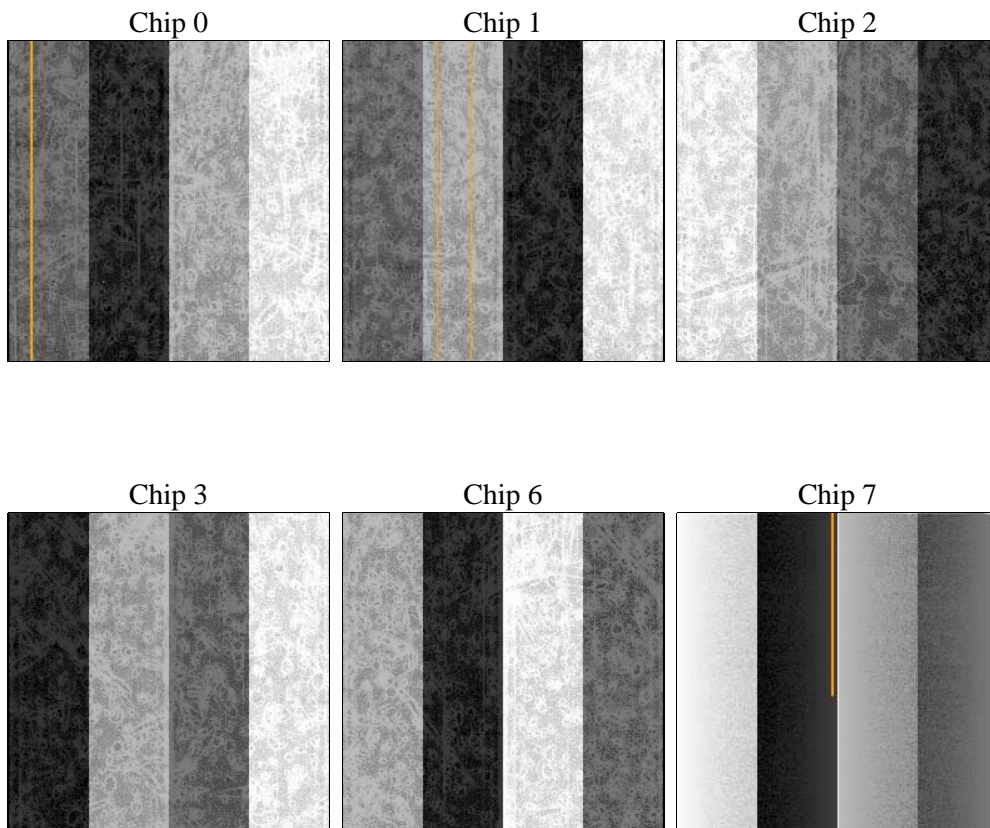
2 OBI

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	8.5	Processing system revision	ontime	8184.2165991366	Sum of GTIs [s]
caldsver	4.5.4	 	ontime0	6427.5688858926	Sum of GTIs [s]
date	2012-12-10T12:57:57	Date and time of file creation	ontime1	6589.5775050819	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6161.1683607697	Sum of GTIs [s]
			ontime3	6388.7600586116	Sum of GTIs [s]
			ontime6	6861.7367603779	Sum of GTIs [s]
			ontime7	8184.2165991366	Sum of GTIs [s]
			l1events	1497970	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	230387	237181	226101	235102	256718	312481	grade 0 events	99066	101334	97472	101276	109456	61682
rejected events	52221	53143	53733	55335	56828	57597		42%	42%	43%	43%	42%	19%
rejected %	22%	22%	23%	23%	22%	18%	grade 1 events	644	564	727	727	642	193
								0%	0%	0%	0%	0%	0%
							grade 2 events	31782	33239	29390	31086	34933	56296
								13%	14%	12%	13%	13%	18%
							grade 3 events	11839	11997	11381	11866	12549	25451
								5%	5%	5%	5%	4%	8%
							grade 4 events	11462	11981	11251	11885	12714	25460
								4%	5%	4%	5%	4%	8%
							grade 5 events	3074	3185	2867	3282	3609	9938
								1%	1%	1%	1%	1%	3%
							grade 6 events	26316	27572	24823	25567	32646	88946
								11%	11%	10%	10%	12%	28%
							grade 7 events	46204	47309	48190	49413	50169	44515
								20%	19%	21%	21%	19%	14%

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	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	23.98622594337873	Alternating exposures requested	N	N
[deg] Pointing Dec	0	15.9746267674122	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	209.5660863449851			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	214787453.961266	214787452.93627			
Observation start date	2004-10-21T23:10:54	2004-10-21T23:10:52			
[s] Observation end time (MET)	214809579.612256	214809578.58726			
Observation end date	2004-10-22T05:19:40	2004-10-22T05:19:38			
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)	2013.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1842165991366

A.2 Comments