

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 59516 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 27 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

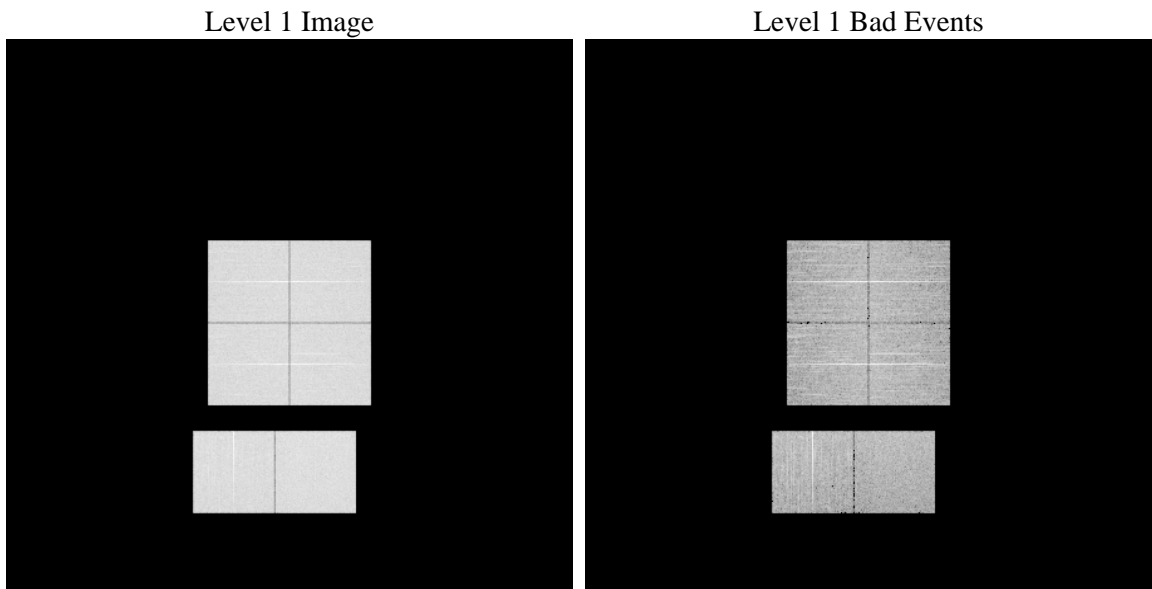
1 Front

seq_num	 	Sequence number
obs_id	59516	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	348.98078897758	Nominal RA [deg]
dec_nom	-16.977371224437	Nominal Dec [deg]
roll_nom	94.389826966512	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8198.1847682595	Sum of GTIs [s]
livetime	8094.3744163696	Livetime [s]
ontime0	8198.1437282562	Sum of GTIs [s]
ontime1	8198.1026882529	Sum of GTIs [s]
ontime2	8168.8928454518	Sum of GTIs [s]
ontime3	8130.1651822329	Sum of GTIs [s]
ontime6	8198.0206082761	Sum of GTIs [s]
ontime7	8198.1847682595	Sum of GTIs [s]
l2events	1079233	Number of level 2 events

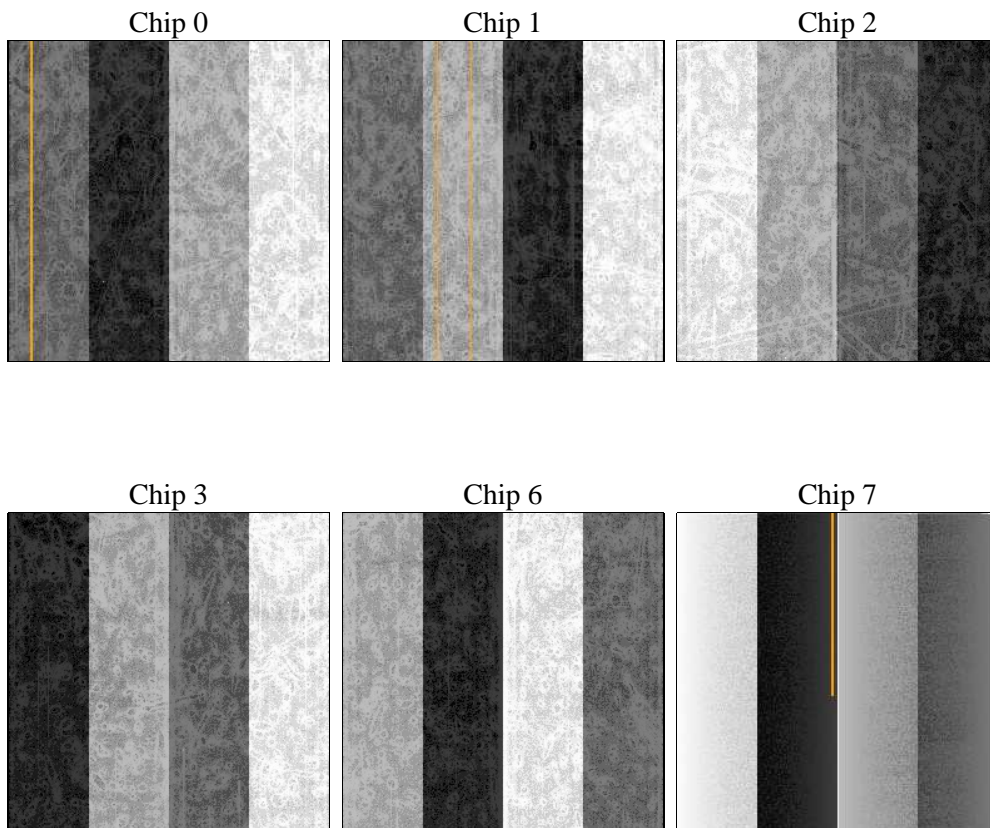
2 OBI

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	8.5.1.1	Processing system revision	ontime	8198.1847682595	Sum of GTIs [s]
caldbver	4.5.5	 	ontime0	8198.1437282562	Sum of GTIs [s]
date	2012-12-27T05:46:30	Date and time of file creation	ontime1	8198.1026882529	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	8168.8928454518	Sum of GTIs [s]
			ontime3	8130.1651822329	Sum of GTIs [s]
			ontime6	8198.0206082761	Sum of GTIs [s]
			ontime7	8198.1847682595	Sum of GTIs [s]
			l1events	1480584	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	240510	239951	243885	245061	252056	259121	grade 0 events	102217	101054	105225	105662	104481	47815
rejected events	57419	55803	59072	60095	60924	52028		42%	42%	43%	43%	41%	18%
rejected %	23%	23%	24%	24%	24%	20%	grade 1 events	558	479	619	635	496	140
								0%	0%	0%	0%	0%	0%
							grade 2 events	31982	33662	30370	30938	34020	46091
								13%	14%	12%	12%	13%	17%
							grade 3 events	12033	11736	12344	12225	11875	20292
								5%	4%	5%	4%	4%	7%
							grade 4 events	11754	11847	12373	12234	11799	20006
								4%	4%	5%	4%	4%	7%
							grade 5 events	3327	3372	3266	3531	3515	8433
								1%	1%	1%	1%	1%	3%
							grade 6 events	27041	27847	26360	25796	31031	75058
								11%	11%	10%	10%	12%	28%
							grade 7 events	51598	49954	53328	54040	54839	41286
								21%	20%	21%	22%	21%	15%

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	348.9807889775788
[deg] Pointing Dec	0	-16.97737122443744
[deg] Pointing Roll	0.0	94.38982696651236
[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)	239690846.890108	239690845.86511
Observation start date	2005-08-06T04:47:27	2005-08-06T04:47:25
[s] Observation end time (MET)	239712870.041117	239712869.01612
Observation end date	2005-08-06T10:54:30	2005-08-06T10:54:29
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)	2013.01.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1981847682595

A.2 Comments