

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 59900 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Dec 15 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

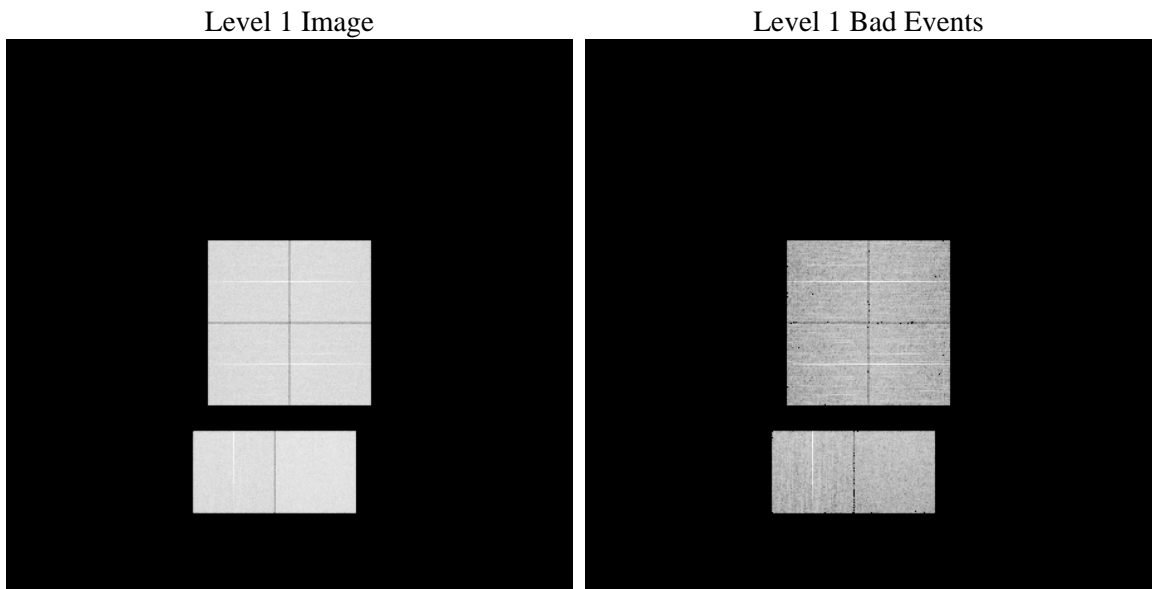
1 Front

seq_num	 	Sequence number
obs_id	59900	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	111.01405961099	Nominal RA [deg]
dec_nom	24.6930870493	Nominal Dec [deg]
roll_nom	90.877989173857	Nominal Roll [deg]
revision	4	Processing version of data
ontime	8227.1999693513	Sum of GTIs [s]
livetime	8123.0222095143	Livetime [s]
ontime0	6885.4356195331	Sum of GTIs [s]
ontime1	7073.4120572805	Sum of GTIs [s]
ontime2	6626.1571974158	Sum of GTIs [s]
ontime3	6836.8215031922	Sum of GTIs [s]
ontime6	7254.9073399901	Sum of GTIs [s]
ontime7	8227.1999693513	Sum of GTIs [s]
l2events	1112031	Number of level 2 events

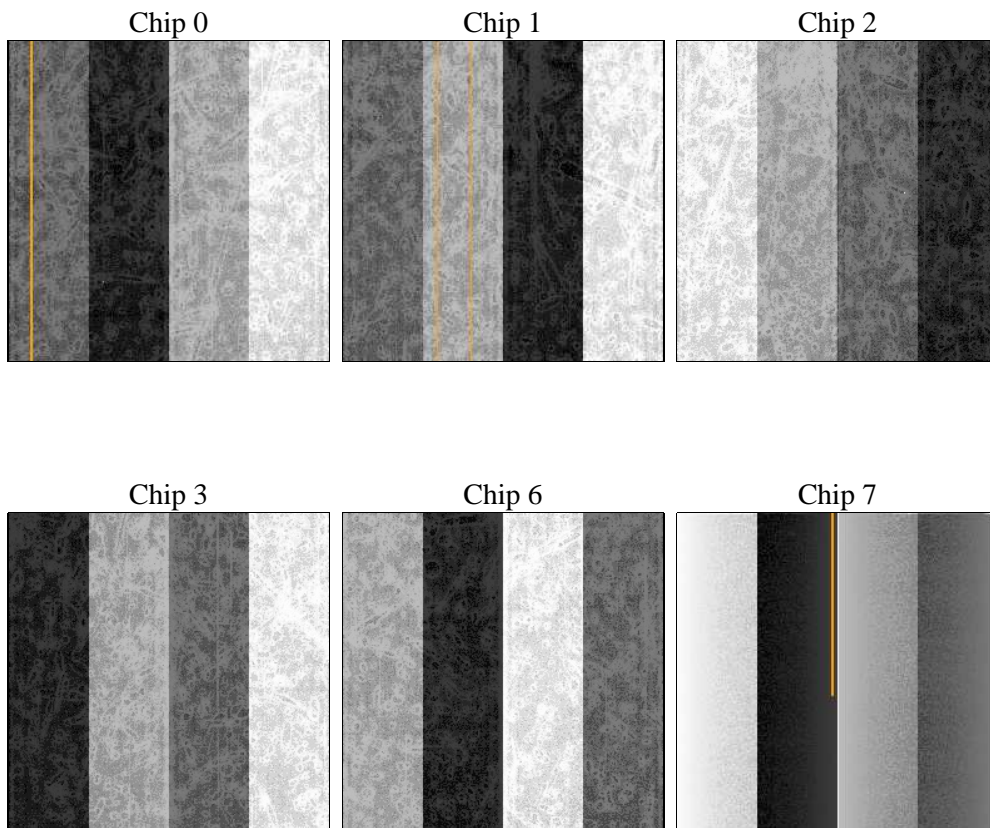
2 OBI

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	8.5.1	Processing system revision	ontime	8227.1999693513	Sum of GTIs [s]
caldbver	4.5.5	 	ontime0	6885.4356195331	Sum of GTIs [s]
date	2012-12-15T06:04:20	Date and time of file creation	ontime1	7073.4120572805	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	6626.1571974158	Sum of GTIs [s]
			ontime3	6836.8215031922	Sum of GTIs [s]
			ontime6	7254.9073399901	Sum of GTIs [s]
			ontime7	8227.1999693513	Sum of GTIs [s]
			l1events	1496199	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	230115	238822	230224	239972	257893	299173	grade 0 events	99208	102102	99317	102811	108522	57893
rejected events	50362	52769	53785	57712	58387	55160		43%	42%	43%	42%	42%	19%
rejected %	21%	22%	23%	24%	22%	18%	grade 1 events	590	580	640	684	580	226
								0%	0%	0%	0%	0%	0%
							grade 2 events	31609	33535	30011	31319	34933	53575
								13%	14%	13%	13%	13%	17%
							grade 3 events	11958	11830	11542	11891	12450	24195
								5%	4%	5%	4%	4%	8%
							grade 4 events	11709	12141	11747	11879	12429	24327
								5%	5%	5%	4%	4%	8%
							grade 5 events	3151	3275	2900	3380	3652	9506
								1%	1%	1%	1%	1%	3%
							grade 6 events	26464	27620	25068	25476	32618	85577
								11%	11%	10%	10%	12%	28%
							grade 7 events	45426	47739	48999	52532	52709	43874
								19%	19%	21%	21%	20%	14%

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	111.0140600553456	111.0140596109903
[deg] Pointing Dec	24.69305931741915	24.69308704929989
[deg] Pointing Roll	90.87798895411369	90.87798917385676
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	220282208.608057	220282208.608057
Observation start date	2004-12-24T13:37:00	2004-12-24T13:30:08
[s] Observation end time (MET)	220291255.521774	220291255.521774
Observation end date	2004-12-24T13:53:00	2004-12-24T16:00:55
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2271999693513

A.2 Comments