

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60735 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Oct 28 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

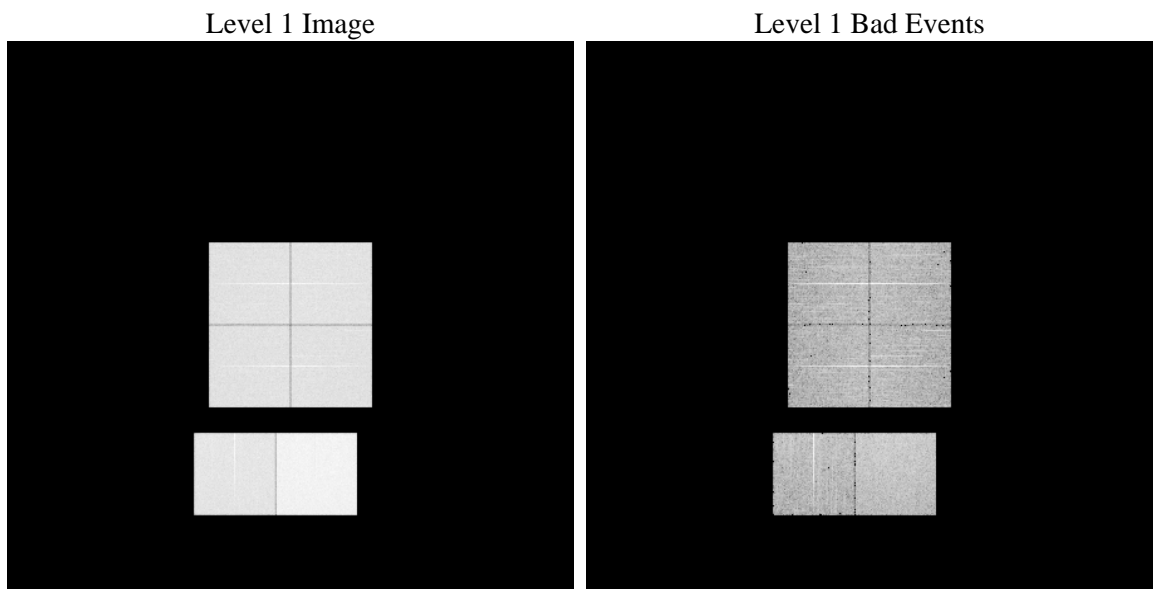
1 Front

seq_num	 	Sequence number
obs_id	60735	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	330.71106842047	Nominal RA [deg]
dec_nom	-16.704609176865	Nominal Dec [deg]
roll_nom	102.7987623652	Nominal Roll [deg]
revision	4	Processing version of data
ontime	11222.399958193	Sum of GTIs [s]
livetime	11080.295172605	Livetime [s]
ontime0	6409.5638308525	Sum of GTIs [s]
ontime1	6692.4432469904	Sum of GTIs [s]
ontime2	6266.9610700011	Sum of GTIs [s]
ontime3	6247.5134961307	Sum of GTIs [s]
ontime6	6950.8086028397	Sum of GTIs [s]
ontime7	11222.399958193	Sum of GTIs [s]
l2events	1682282	Number of level 2 events

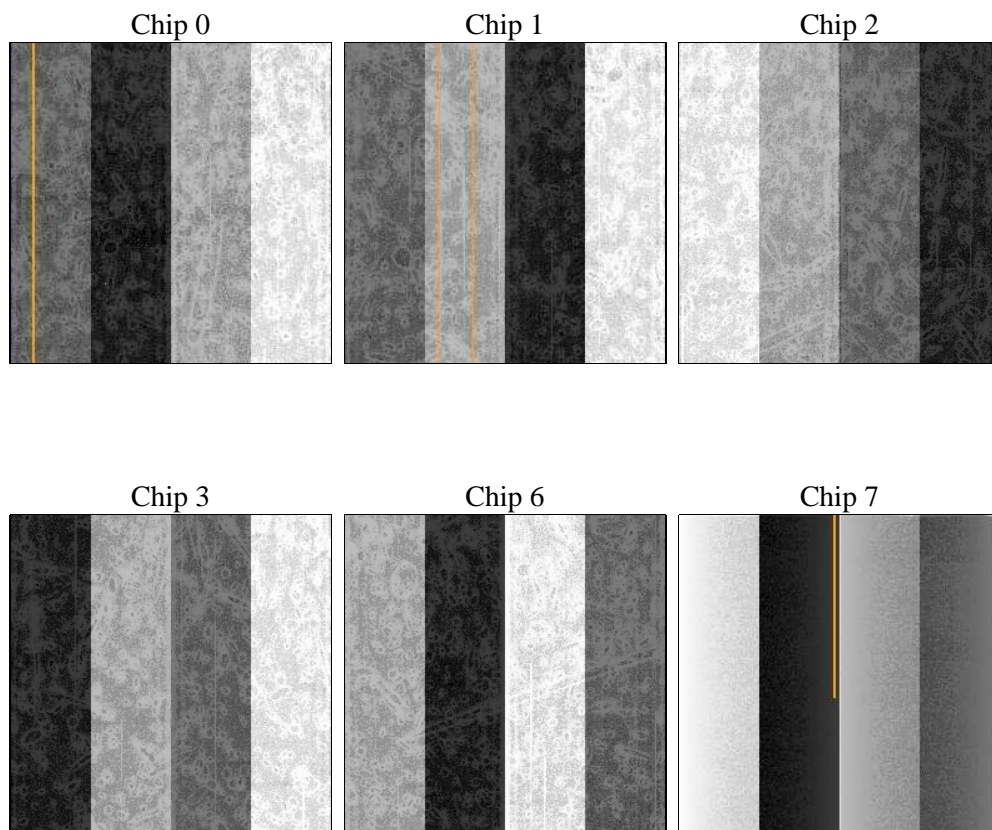
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10200	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	11222.399958193	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	6409.5638308525	Sum of GTIs [s]
date	2012-10-28T12:00:43	Date and time of file creation	ontime1	6692.4432469904	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	6266.9610700011	Sum of GTIs [s]
			ontime3	6247.5134961307	Sum of GTIs [s]
			ontime6	6950.8086028397	Sum of GTIs [s]
			ontime7	11222.399958193	Sum of GTIs [s]
			l1events	2066085	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	297690	309904	294783	294744	337019	531945	grade 0 events	141053	146345	142012	141440	158407	118907
rejected events	46976	48246	46205	47094	50882	66709		47%	47%	48%	47%	47%	22%
rejected %	15%	15%	15%	15%	15%	12%	grade 1 events	742	727	829	754	761	329
								0%	0%	0%	0%	0%	0%
							grade 2 events	43942	47362	42663	42747	50094	104013
								14%	15%	14%	14%	14%	19%
							grade 3 events	16719	17068	16400	16154	17908	47803
								5%	5%	5%	5%	5%	8%
							grade 4 events	16320	16890	16280	16591	18306	47434
								5%	5%	5%	5%	5%	8%
							grade 5 events	2967	3041	2760	3018	3365	11297
								0%	0%	0%	1%	0%	2%
							grade 6 events	36759	38443	35227	34229	45527	154350
								12%	12%	11%	11%	13%	29%
							grade 7 events	39188	40028	38612	39811	42651	47812
								13%	12%	13%	13%	12%	8%

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	330.707482472151	330.7110684204666
[deg] Pointing Dec	-16.70665797356581	-16.70460917686527
[deg] Pointing Roll	102.7974529323444	102.7987623652014
[mm] SIM focus pos	-1.0388663562	-1.0388663562
[mm] SIM defocus	0.4944702069557434	0.4944702069557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	169725141.245351	169725141.245351
Observation start date	2003-05-19T10:20:00	2003-05-19T09:52:21
[s] Observation end time (MET)	169738077.069229	169738077.069229
Observation end date	2003-05-19T13:10:00	2003-05-19T13:27:57
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.222399958193

A.2 Comments