

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60475 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 8 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

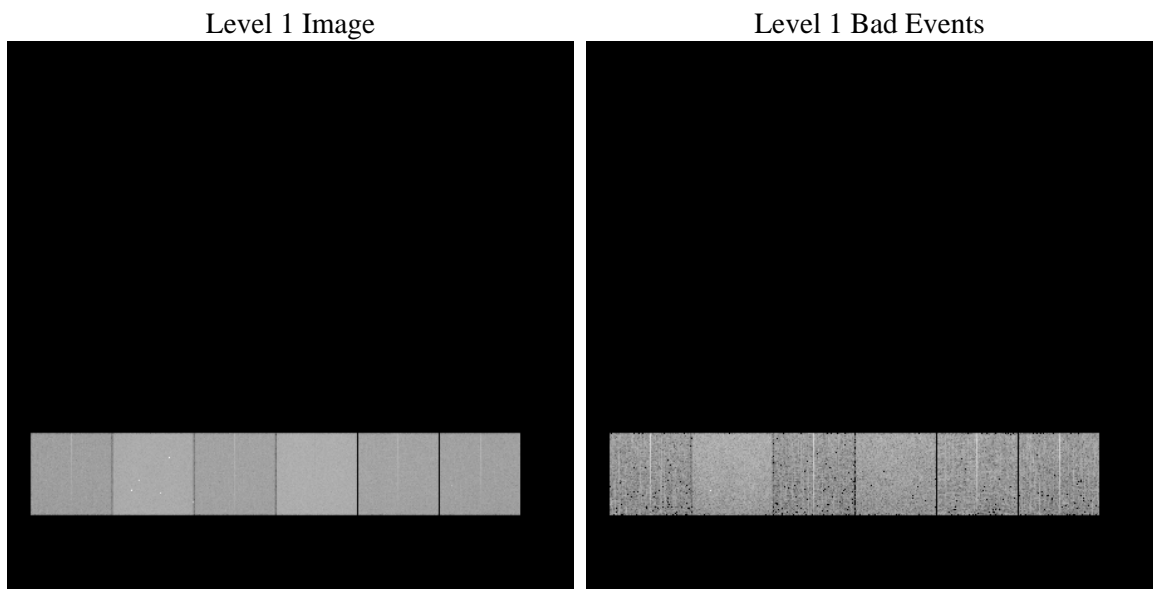
1 Front

seq_num	 	Sequence number
obs_id	60475	Observation id
title	ACIS-456789 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	130.2549321245	Nominal RA [deg]
dec_nom	36.105885260647	Nominal Dec [deg]
roll_nom	82.372096809251	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8459.7462280691	Sum of GTIs [s]
livetime	8352.6238274816	Livetime [s]
ontime4	5027.4305561483	Sum of GTIs [s]
ontime5	8459.7051880658	Sum of GTIs [s]
ontime6	5471.4866555035	Sum of GTIs [s]
ontime7	8459.7462280691	Sum of GTIs [s]
ontime8	5549.1885601282	Sum of GTIs [s]
ontime9	5243.9729270935	Sum of GTIs [s]
l2events	1268834	Number of level 2 events

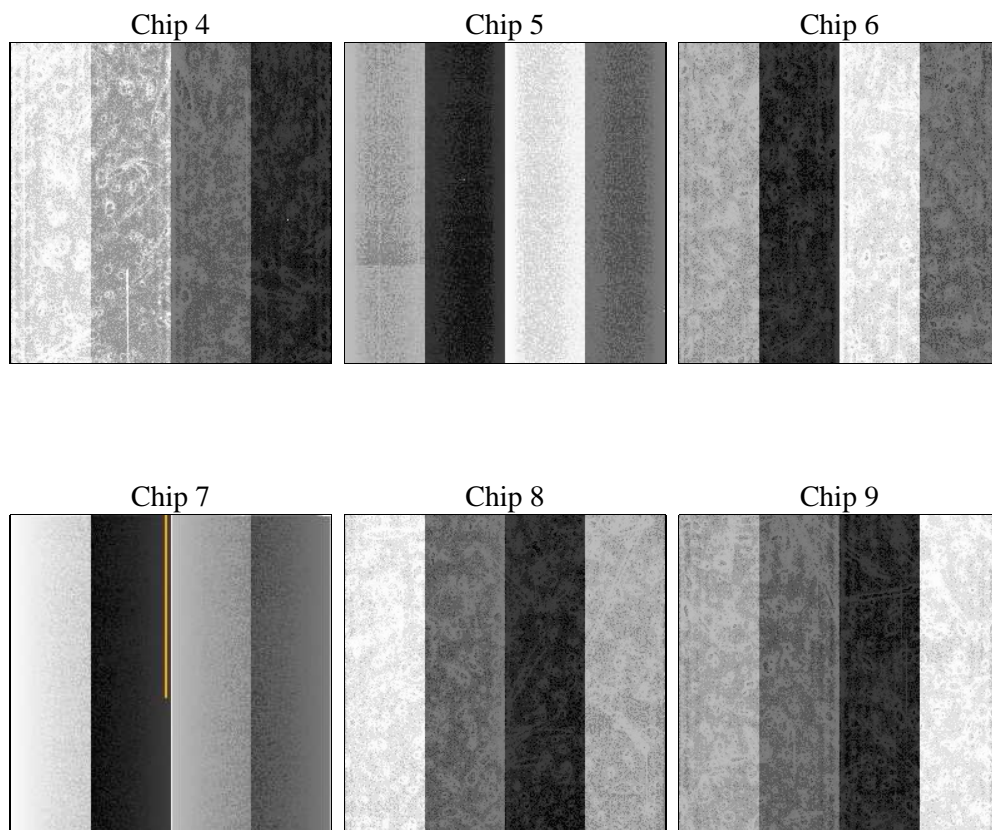
2 OBI

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	8.4.5	Processing system revision	ontime	8459.7462280691	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	5027.4305561483	Sum of GTIs [s]
date	2012-11-08T07:39:31	Date and time of file creation	ontime5	8459.7051880658	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	5471.4866555035	Sum of GTIs [s]
			ontime7	8459.7462280691	Sum of GTIs [s]
			ontime8	5549.1885601282	Sum of GTIs [s]
			ontime9	5243.9729270935	Sum of GTIs [s]
			l1events	1536237	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	199397	315796	227302	341949	237588	214205	grade 0 events	99833	63319	109521	76692	113174	102715
rejected events	28609	45350	27404	35505	32410	28562		50%	20%	48%	22%	47%	47%
rejected %	14%	14%	12%	10%	13%	13%	grade 1 events	552	222	436	200	493	482
								0%	0%	0%	0%	0%	0%
							grade 2 events	27127	99674	34377	68047	35844	32022
								13%	31%	15%	19%	15%	14%
							grade 3 events	11273	16293	12485	30793	13121	11793
								5%	5%	5%	9%	5%	5%
							grade 4 events	11247	15966	12280	30564	13143	11658
								5%	5%	5%	8%	5%	5%
							grade 5 events	1855	7940	2045	6791	2452	2200
								0%	2%	0%	1%	1%	1%
							grade 6 events	21544	75509	31485	100565	30165	27571
								10%	23%	13%	29%	12%	12%
							grade 7 events	25966	36873	24673	28297	29196	25764
								13%	11%	10%	8%	12%	12%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	130.2549321244956	Alternating exposures requested	N	N
[deg] Pointing Dec	0	36.1058852606466	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	82.37209680925133			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	185769061.031811	185769060.00708			
Observation start date	2003-11-21T02:31:01	2003-11-21T02:31:00			
[s] Observation end time (MET)	185791389.63278	185791388.60804			
Observation end date	2003-11-21T08:43:10	2003-11-21T08:43:08			
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)	2012.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4597462280691

A.2 Comments