

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54185 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 7 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

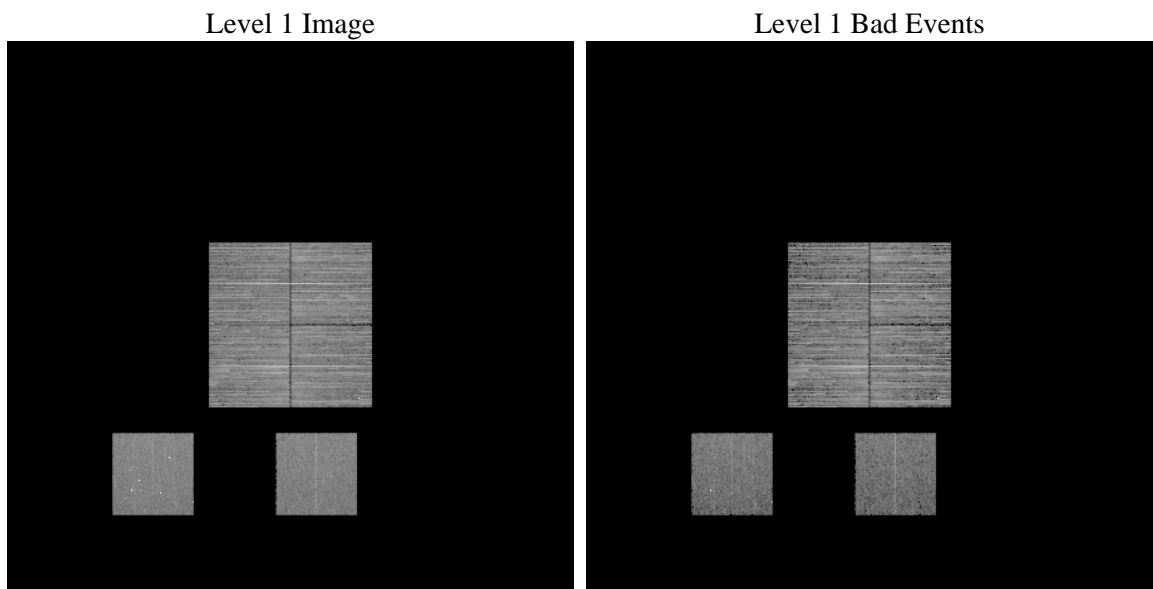
1 Front

seq_num	 	Sequence number
obs_id	54185	Observation id
title	ACIS-012357 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	66.866738171181	Nominal RA [deg]
dec_nom	23.51449102828	Nominal Dec [deg]
roll_nom	102.84278910623	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5004.6145709753	Sum of GTIs [s]
livetime	4941.2431278605	Livetime [s]
ontime0	5004.573530972	Sum of GTIs [s]
ontime1	5004.5324909687	Sum of GTIs [s]
ontime2	5004.4914509654	Sum of GTIs [s]
ontime3	5004.6556109786	Sum of GTIs [s]
ontime5	5004.4504109621	Sum of GTIs [s]
ontime7	5004.6145709753	Sum of GTIs [s]
l2events	157344	Number of level 2 events

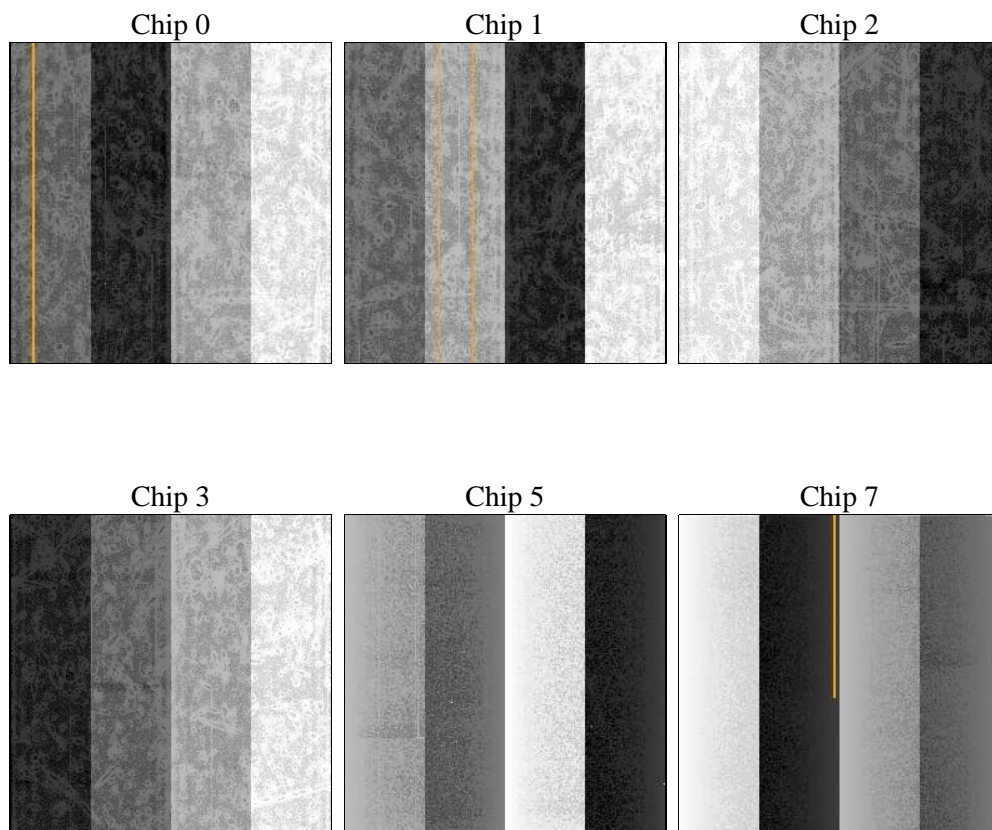
2 OBI

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	5004.6145709753	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	5004.573530972	Sum of GTIs [s]
date	2012-11-07T13:47:55	Date and time of file creation	ontime1	5004.5324909687	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5004.4914509654	Sum of GTIs [s]
			ontime3	5004.6556109786	Sum of GTIs [s]
			ontime5	5004.4504109621	Sum of GTIs [s]
			ontime7	5004.6145709753	Sum of GTIs [s]
			l1events	586507	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	93594	104859	108728	102875	93892	82559	grade 0 events	11482	11108	11955	11656	8300	5729
rejected events	71611	82680	86534	80955	49655	44173		12%	10%	10%	11%	8%	6%
rejected %	76%	78%	79%	78%	52%	53%	grade 1 events	58	53	67	1609	153	53
								0%	0%	0%	1%	0%	0%
							grade 2 events	4469	4957	4264	4341	15128	9534
								4%	4%	3%	4%	16%	11%
							grade 3 events	1502	1482	1531	1537	1605	3103
								1%	1%	1%	1%	1%	3%
							grade 4 events	1421	1523	1511	1525	1404	3052
								1%	1%	1%	1%	1%	3%
							grade 5 events	1832	1833	1721	2098	3995	4755
								1%	1%	1%	2%	4%	5%
							grade 6 events	3588	3576	3350	3268	18815	17726
								3%	3%	3%	3%	20%	21%
							grade 7 events	69242	80327	84329	76841	44492	38607
								73%	76%	77%	74%	47%	46%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	66.86673817118071
[deg] Pointing Dec	0	23.51449102828004
[deg] Pointing Roll	0.0	102.8427891062292
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	468595739.871018	468595739.871018
Observation start date	2012-11-06T13:29:00	2012-11-06T13:28:59
[s] Observation end time (MET)	468601905.523959	468601905.523959
Observation end date	2012-11-06T15:11:46	2012-11-06T15:11:45
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)	2012.11.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0046145709753

A.2 Comments