

V&V Reference Report

L2 ASCDS Version : 10

Observation 53501 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 7 2013

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

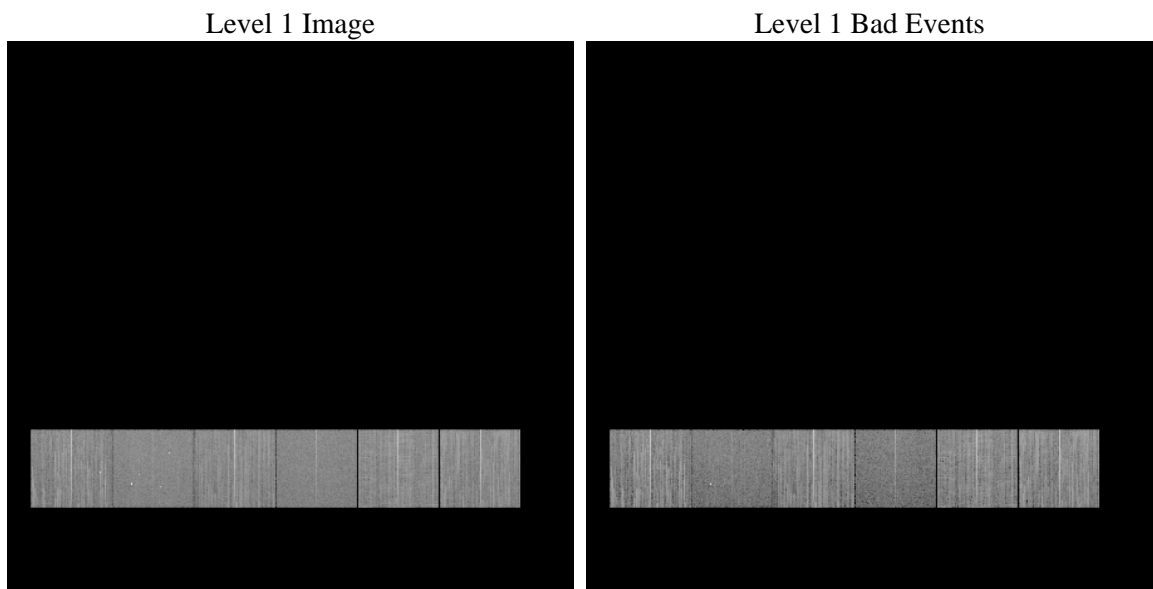
1 Front

seq_num	 	Sequence number
obs_id	53501	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	296.47382511924	Nominal RA [deg]
dec_nom	-30.2988506442	Nominal Dec [deg]
roll_nom	299.70976528026	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8178.2653256059	Sum of GTIs [s]
livetime	8074.7072056929	Livetime [s]
ontime4	8178.142205596	Sum of GTIs [s]
ontime5	8178.2242856026	Sum of GTIs [s]
ontime6	8178.1832455993	Sum of GTIs [s]
ontime7	8178.2653256059	Sum of GTIs [s]
ontime8	8178.1011655927	Sum of GTIs [s]
ontime9	8178.3063656092	Sum of GTIs [s]
l2events	297059	Number of level 2 events

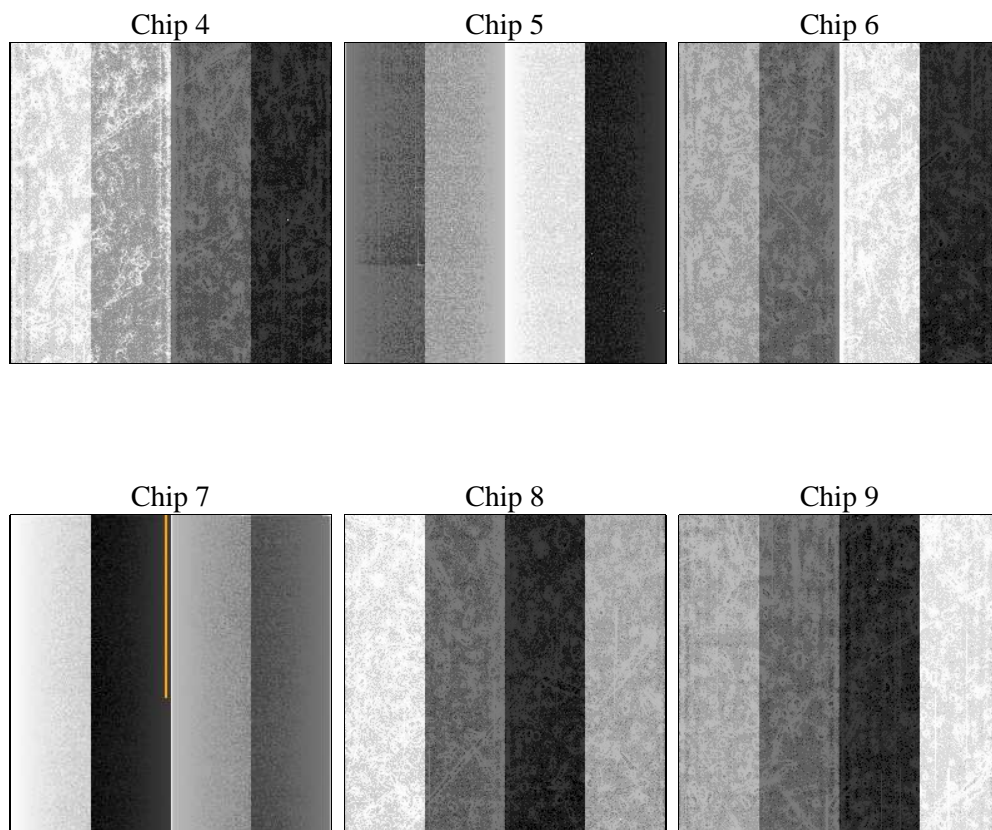
2 OBI

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	10	Processing system revision	ontime	8178.2653256059	Sum of GTIs [s]
caldsver	4.5.7	 	ontime4	8178.142205596	Sum of GTIs [s]
date	2013-08-07T16:24:21	Date and time of file creation	ontime5	8178.2242856026	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8178.1832455993	Sum of GTIs [s]
			ontime7	8178.2653256059	Sum of GTIs [s]
			ontime8	8178.1011655927	Sum of GTIs [s]
			ontime9	8178.3063656092	Sum of GTIs [s]
			l1events	955565	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	163185	144752	163665	132994	174238	176731	grade 0 events	25335	8285	22602	11433	25596	22403
rejected events	117448	76245	117504	66360	119504	132302		15%	5%	13%	8%	14%	12%
rejected %	71%	52%	71%	49%	68%	74%	grade 1 events	189	133	96	101	120	132
								0%	0%	0%	0%	0%	0%
							grade 2 events	8447	27049	9841	17012	11224	8760
								5%	18%	6%	12%	6%	4%
							grade 3 events	3193	2451	2924	5293	3904	2954
								1%	1%	1%	3%	2%	1%
							grade 4 events	3057	2351	2909	5419	3945	3023
								1%	1%	1%	4%	2%	1%
							grade 5 events	3093	7064	3024	7362	4080	3546
								1%	4%	1%	5%	2%	2%
							grade 6 events	7201	29828	9431	29116	11836	8715
								4%	20%	5%	21%	6%	4%
							grade 7 events	112670	67591	112838	57258	113533	127198
								69%	46%	68%	43%	65%	71%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	296.4738251192381
[deg] Pointing Dec	0	-30.2988506441998
[deg] Pointing Roll	0.0	299.7097652802614
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)	492126762.494001	492126762.494001
Observation start date	2013-08-05T21:52:42	2013-08-05T21:52:42
[s] Observation end time (MET)	492136309.832812	492136309.832812
Observation end date	2013-08-06T00:31:50	2013-08-06T00:31:49
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)	2013.08.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1782653256059

A.2 Comments