

V&V Reference Report

L2 ASCDS Version : 10

Observation 53409 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 9 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

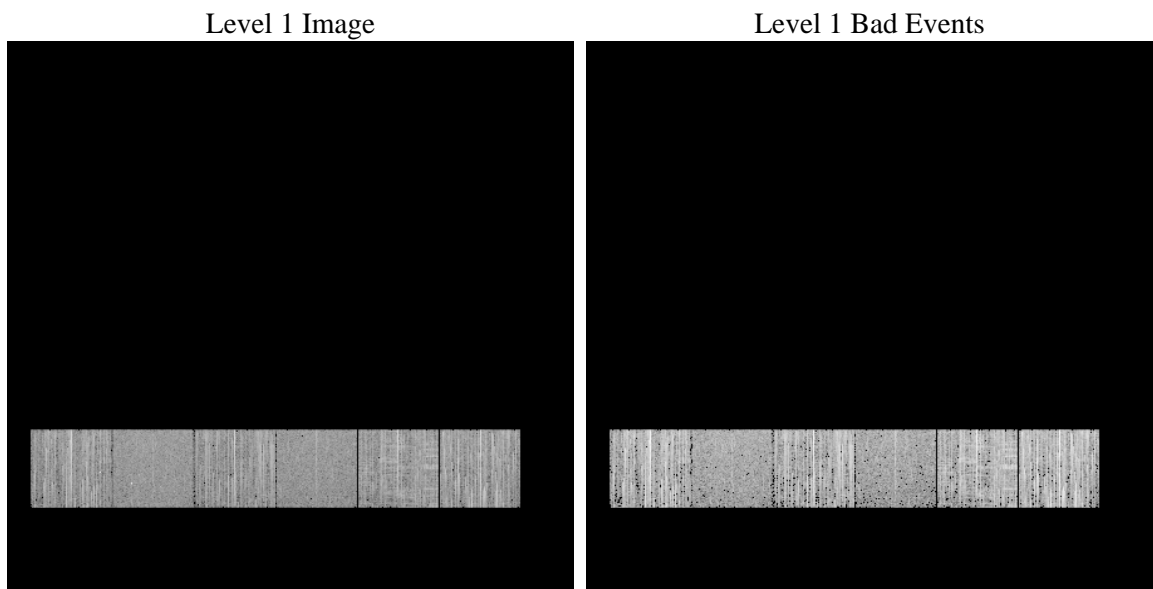
1 Front

seq_num	 	Sequence number
obs_id	53409	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	357.5899298407	Nominal RA [deg]
dec_nom	20.204243209546	Nominal Dec [deg]
roll_nom	158.61516027197	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3279.9999878407	Sum of GTIs [s]
livetime	3238.4666530157	Livetime [s]
ontime4	3279.9999878407	Sum of GTIs [s]
ontime5	3279.9999878407	Sum of GTIs [s]
ontime6	3279.9999878407	Sum of GTIs [s]
ontime7	3279.9999878407	Sum of GTIs [s]
ontime8	3279.9999878407	Sum of GTIs [s]
ontime9	3279.9999878407	Sum of GTIs [s]
l2events	88554	Number of level 2 events

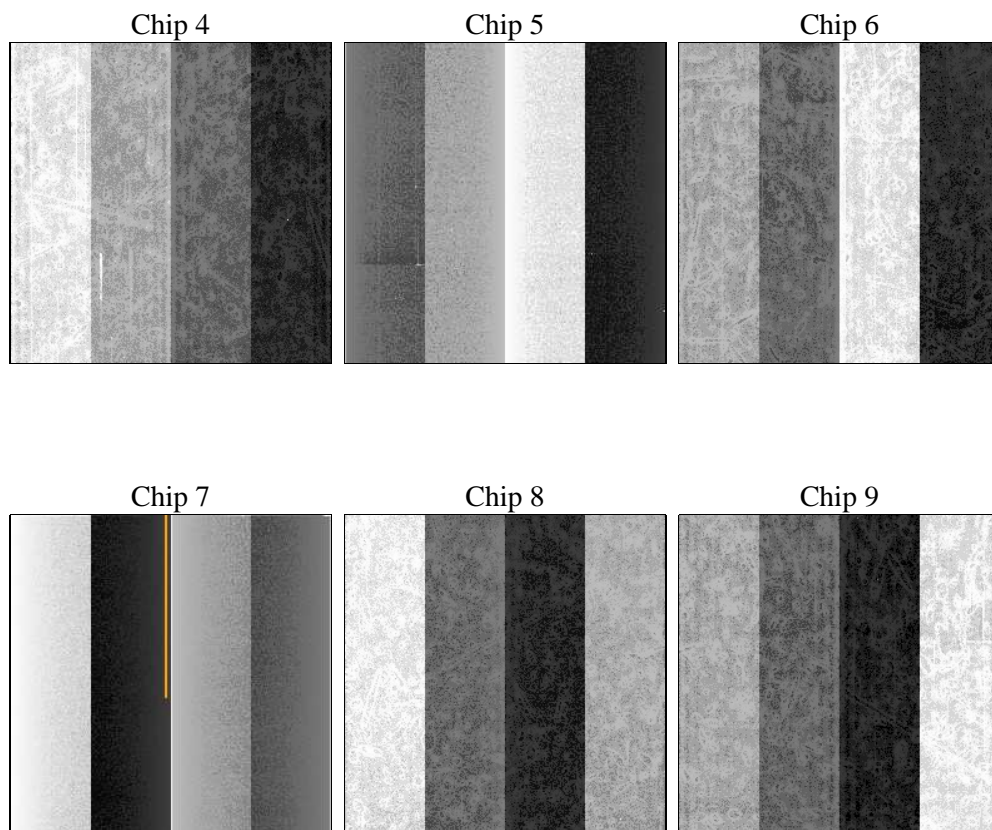
2 OBI

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	3279.9999878407	Sum of GTIs [s]
caldbver	4.5.8	 	ontime4	3279.9999878407	Sum of GTIs [s]
date	2013-09-09T23:11:58	Date and time of file creation	ontime5	3279.9999878407	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3279.9999878407	Sum of GTIs [s]
			ontime7	3279.9999878407	Sum of GTIs [s]
			ontime8	3279.9999878407	Sum of GTIs [s]
			ontime9	3279.9999878407	Sum of GTIs [s]
			l1events	350444	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	61059	49706	58457	46935	63033	71254	grade 0 events	6874	2316	6282	3006	6960	6145
rejected events	48501	26993	45715	25298	47478	59102		11%	4%	10%	6%	11%	8%
rejected %	79%	54%	78%	53%	75%	82%	grade 1 events	50	45	33	30	36	34
								0%	0%	0%	0%	0%	0%
							grade 2 events	2336	8604	2620	5171	3297	2360
								3%	17%	4%	11%	5%	3%
							grade 3 events	864	746	803	1776	1124	832
								1%	1%	1%	3%	1%	1%
							grade 4 events	840	727	811	1769	1131	809
								1%	1%	1%	3%	1%	1%
							grade 5 events	1196	2185	1170	2806	1505	1366
								1%	4%	2%	5%	2%	1%
							grade 6 events	1658	10343	2235	9937	3057	2019
								2%	20%	3%	21%	4%	2%
							grade 7 events	47241	24740	44503	22440	45923	57689
								77%	49%	76%	47%	72%	80%

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	357.5899298407015
[deg] Pointing Dec	0	20.20424320954643
[deg] Pointing Roll	0.0	158.6151602719685
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	495131693.65786	495131692.63286
Observation start date	2013-09-09T16:34:54	2013-09-09T16:34:52
[s] Observation end time (MET)	495136874.008143	495136872.98314
Observation end date	2013-09-09T18:01:14	2013-09-09T18:01:12
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2013.09.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2799999878407

A.2 Comments