

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54837 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 24 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

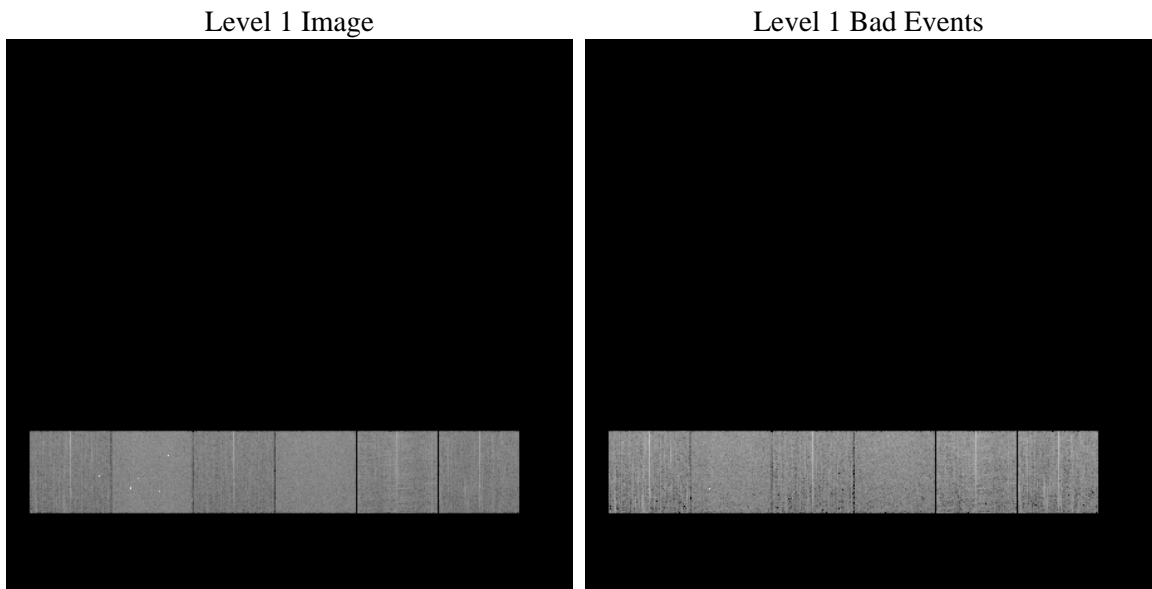
1 Front

seq_num	 	Sequence number
obs_id	54837	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	133.0410529654	Nominal RA [deg]
dec_nom	0.31778575112986	Nominal Dec [deg]
roll_nom	292.96456389116	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7443.1999723315	Sum of GTIs [s]
livetime	7348.9496925249	Livetime [s]
ontime4	7443.1999723315	Sum of GTIs [s]
ontime5	7443.1999723315	Sum of GTIs [s]
ontime6	7443.1999723315	Sum of GTIs [s]
ontime7	7443.1999723315	Sum of GTIs [s]
ontime8	7443.1999723315	Sum of GTIs [s]
ontime9	7443.1999723315	Sum of GTIs [s]
l2events	273309	Number of level 2 events

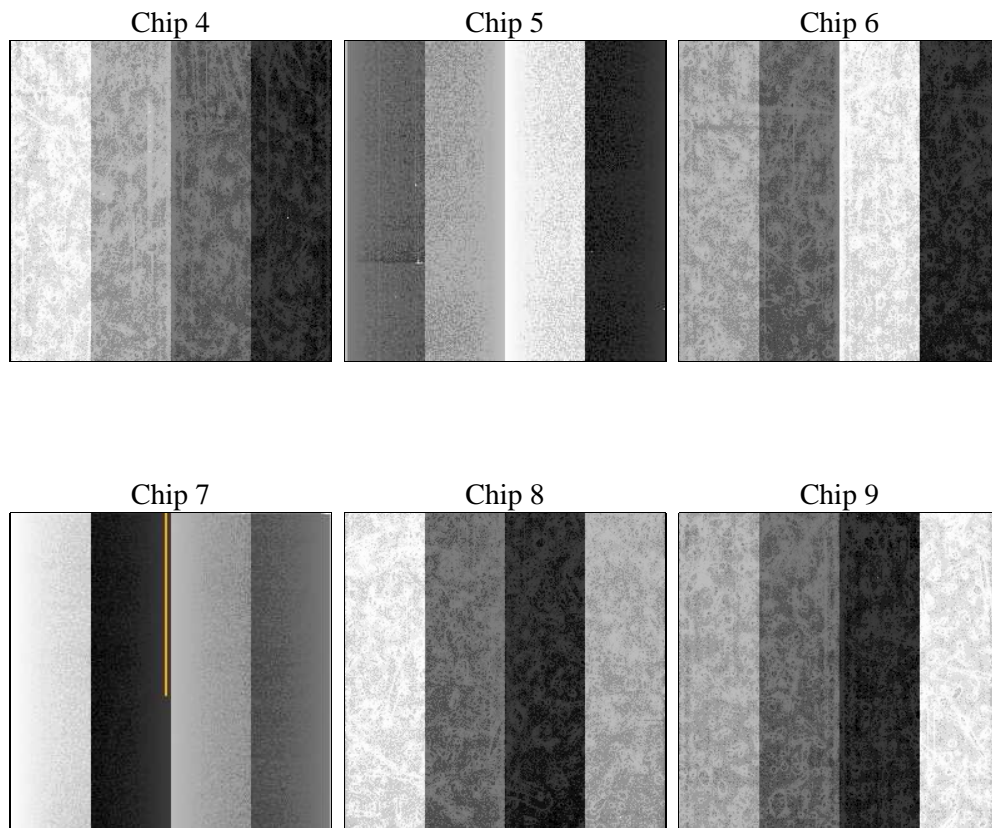
2 OBI

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	8.4.3	Processing system revision	ontime	7443.1999723315	Sum of GTIs [s]
caldsver	4.4.8	 	ontime4	7443.1999723315	Sum of GTIs [s]
date	2012-02-24T18:11:20	Date and time of file creation	ontime5	7443.1999723315	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7443.1999723315	Sum of GTIs [s]
			ontime7	7443.1999723315	Sum of GTIs [s]
			ontime8	7443.1999723315	Sum of GTIs [s]
			ontime9	7443.1999723315	Sum of GTIs [s]
			l1events	634048	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	94674	127691	92039	117949	107439	94256	grade 0 events	23240	11087	20694	10675	23374	20467
rejected events	54819	55711	52116	52983	57736	55026		24%	8%	22%	9%	21%	21%
rejected %	57%	43%	56%	44%	53%	58%	grade 1 events	194	156	119	101	154	171
								0%	0%	0%	0%	0%	0%
							grade 2 events	6301	25030	7462	14311	9754	7256
								6%	19%	8%	12%	9%	7%
							grade 3 events	2733	2794	2757	5673	3905	2665
								2%	2%	2%	4%	3%	2%
							grade 4 events	2769	2820	2627	5738	3758	2670
								2%	2%	2%	4%	3%	2%
							grade 5 events	3022	6931	3343	8290	4475	3582
								3%	5%	3%	7%	4%	3%
							grade 6 events	5159	30847	6702	29080	9296	6493
								5%	24%	7%	24%	8%	6%
							grade 7 events	51256	48026	48335	44081	52723	50952
								54%	37%	52%	37%	49%	54%

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	133.0410529654016
[deg] Pointing Dec	0	0.3177857511298625
[deg] Pointing Roll	0.0	292.9645638911638
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)	446428195.91759	446428195.91759
Observation start date	2012-02-23T23:49:56	2012-02-23T23:49:55
[s] Observation end time (MET)	446436966.936685	446436966.936685
Observation end date	2012-02-24T02:16:07	2012-02-24T02:16:06
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)	2012.02.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.4431999723315

A.2 Comments