

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 51936 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 22 2015

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

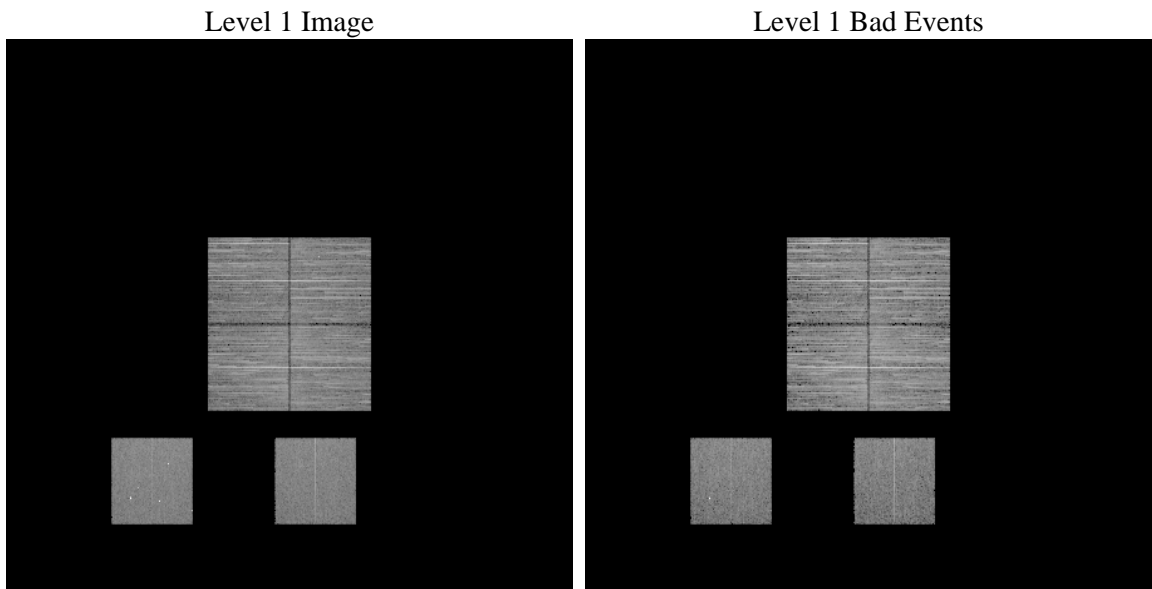
1 Front

seq_num	 	Sequence number
obs_id	51936	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	213.57197399143	Nominal RA [deg]
dec_nom	13.389258406845	Nominal Dec [deg]
roll_nom	168.07383409421	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7061.0450220108	Sum of GTIs [s]
livetime	6971.6338182912	Livetime [s]
ontime0	7061.0039819479	Sum of GTIs [s]
ontime1	7060.9629420042	Sum of GTIs [s]
ontime2	7060.9219019413	Sum of GTIs [s]
ontime3	7061.0860619545	Sum of GTIs [s]
ontime5	7060.8808619976	Sum of GTIs [s]
ontime7	7061.0450220108	Sum of GTIs [s]
l2events	148391	Number of level 2 events

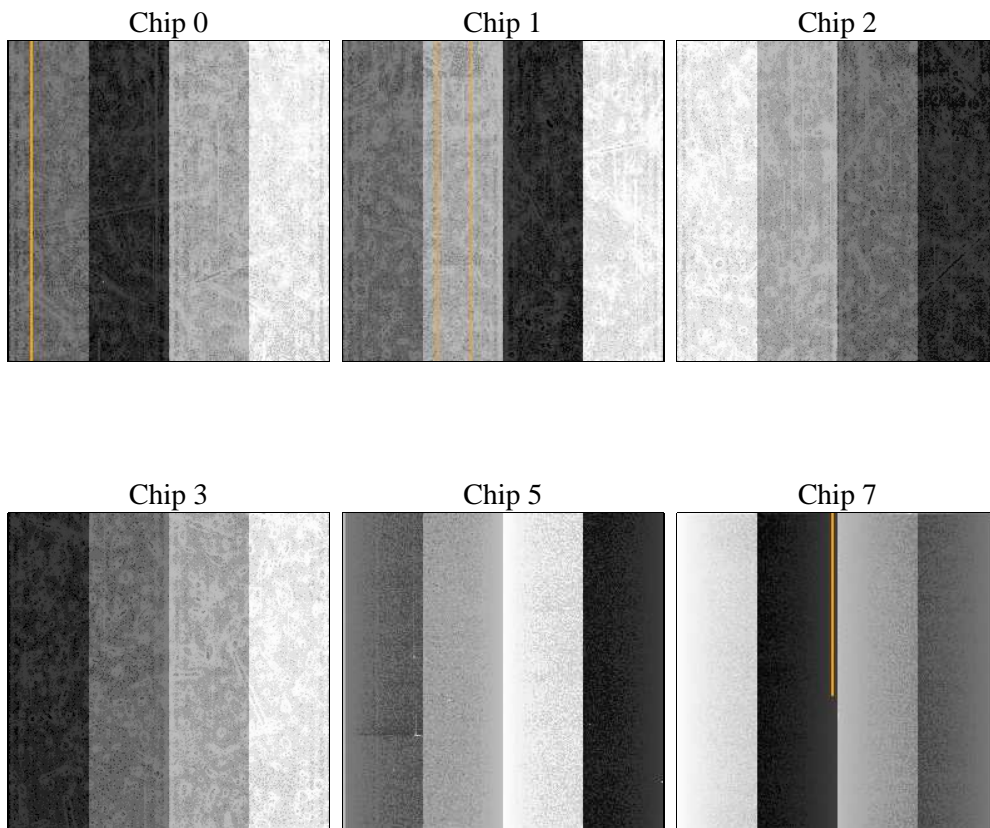
2 OBI

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	10.3.3	Processing system revision	ontime	7061.0450220108	Sum of GTIs [s]
caldsver	4.6.7	 	ontime0	7061.0039819479	Sum of GTIs [s]
date	2015-04-23T03:39:46	Date and time of file creation	ontime1	7060.9629420042	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7060.9219019413	Sum of GTIs [s]
			ontime3	7061.0860619545	Sum of GTIs [s]
			ontime5	7060.8808619976	Sum of GTIs [s]
			ontime7	7061.0450220108	Sum of GTIs [s]
			l1events	634299	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	105148	106450	112859	114815	102518	92509	grade 0 events	9125	9246	9466	9533	6947	5032
rejected events	86586	87295	94101	95895	56762	53250		8%	8%	8%	8%	6%	5%
rejected %	82%	82%	83%	83%	55%	57%	grade 1 events	51	34	56	52	143	68
								0%	0%	0%	0%	0%	0%
							grade 2 events	3827	4085	3737	3698	16032	9708
								3%	3%	3%	3%	15%	10%
							grade 3 events	1304	1268	1395	1401	1365	3075
								1%	1%	1%	1%	1%	3%
							grade 4 events	1241	1315	1348	1303	1338	3087
								1%	1%	1%	1%	1%	3%
							grade 5 events	2238	2234	2119	2538	4818	5879
								2%	2%	1%	2%	4%	6%
							grade 6 events	3065	3241	2812	2985	20074	18357
								2%	3%	2%	2%	19%	19%
							grade 7 events	84297	85027	91926	93305	51801	47303
								80%	79%	81%	81%	50%	51%

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	213.5719739914292
[deg] Pointing Dec	0	13.3892584068452
[deg] Pointing Roll	0.0	168.0738340942133
[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)	546089194.27797	546089193.25297
Observation start date	2015-04-22T11:26:34	2015-04-22T11:26:33
[s] Observation end time (MET)	546097972.378462	546097971.35346
Observation end date	2015-04-22T13:52:52	2015-04-22T13:52:51
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.0610450220108

A.2 Comments