

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 52056 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 23 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

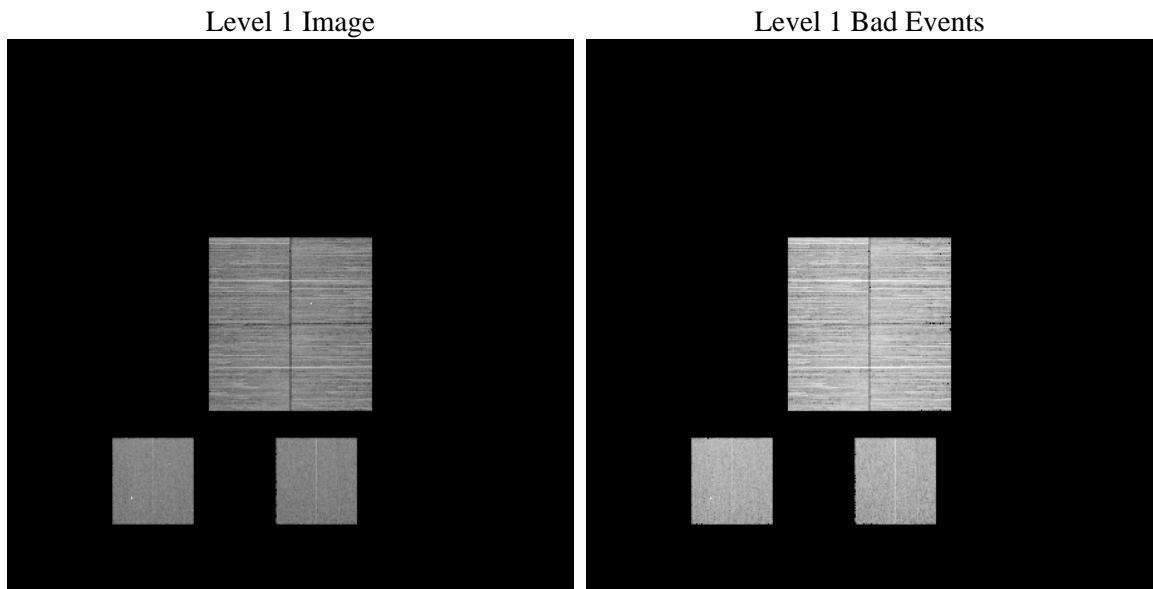
1 Front

seq_num	 	Sequence number
obs_id	52056	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	184.47505390916	Nominal RA [deg]
dec_nom	18.865653261165	Nominal Dec [deg]
roll_nom	103.21287514213	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8115.2001209259	Sum of GTIs [s]
livetime	8012.4405706079	Livetime [s]
ontime0	8115.2001209259	Sum of GTIs [s]
ontime1	8115.2001209259	Sum of GTIs [s]
ontime2	8115.2001209259	Sum of GTIs [s]
ontime3	8115.2001209259	Sum of GTIs [s]
ontime5	8115.2001209259	Sum of GTIs [s]
ontime7	8115.2001209259	Sum of GTIs [s]
l2events	176927	Number of level 2 events

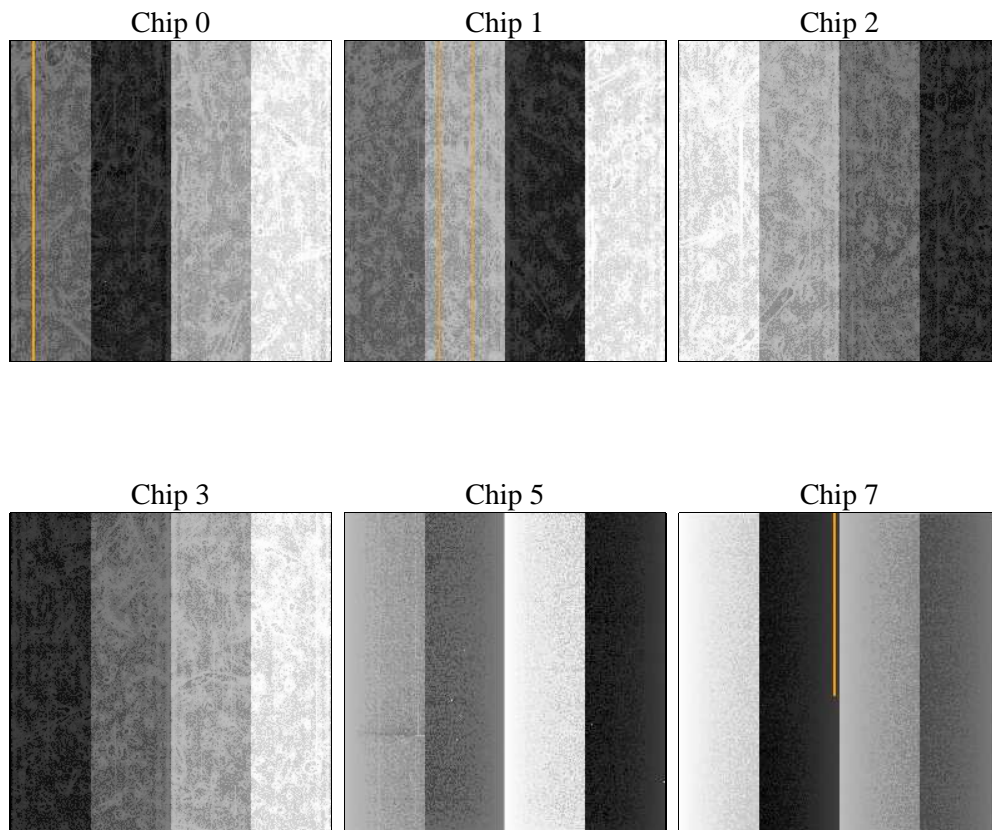
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	8115.2001209259	Sum of GTIs [s]
caldbver	4.6.6	 	ontime0	8115.2001209259	Sum of GTIs [s]
date	2015-02-23T12:30:19	Date and time of file creation	ontime1	8115.2001209259	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8115.2001209259	Sum of GTIs [s]
			ontime3	8115.2001209259	Sum of GTIs [s]
			ontime5	8115.2001209259	Sum of GTIs [s]
			ontime7	8115.2001209259	Sum of GTIs [s]
			l1events	797718	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	141278	144323	136374	142245	119611	113887	grade 0 events	11362	13017	11319	11663	4894	6005
rejected events	118759	119493	114441	119729	68488	66806		8%	9%	8%	8%	4%	5%
rejected %	84%	82%	83%	84%	57%	58%	grade 1 events	67	64	78	79	145	83
								0%	0%	0%	0%	0%	0%
							grade 2 events	4784	5192	4529	4522	19382	11931
								3%	3%	3%	3%	16%	10%
							grade 3 events	1537	1509	1590	1618	1657	3781
								1%	1%	1%	1%	1%	3%
							grade 4 events	1532	1544	1533	1585	1537	3726
								1%	1%	1%	1%	1%	3%
							grade 5 events	2733	2641	2655	3045	5520	7267
								1%	1%	1%	2%	4%	6%
							grade 6 events	3723	4022	3362	3574	24551	22538
								2%	2%	2%	2%	20%	19%
							grade 7 events	115540	116334	111308	116159	61925	58556
								81%	80%	81%	81%	51%	51%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	184.4750539091605	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	18.86565326116517	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	103.2128751421287	[s] Primary exposure time	3.2	3.2
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)	541023803.894459	541023803.894459			
Observation start date	2015-02-22T20:23:24	2015-02-22T20:23:23			
[s] Observation end time (MET)	541033352.764313	541033352.764313			
Observation end date	2015-02-22T23:02:33	2015-02-22T23:02:32			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1152001209259

A.2 Comments