

V&V Reference Report

L2 ASCDS Version : 10.3

Observation 52351 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 30 2014

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

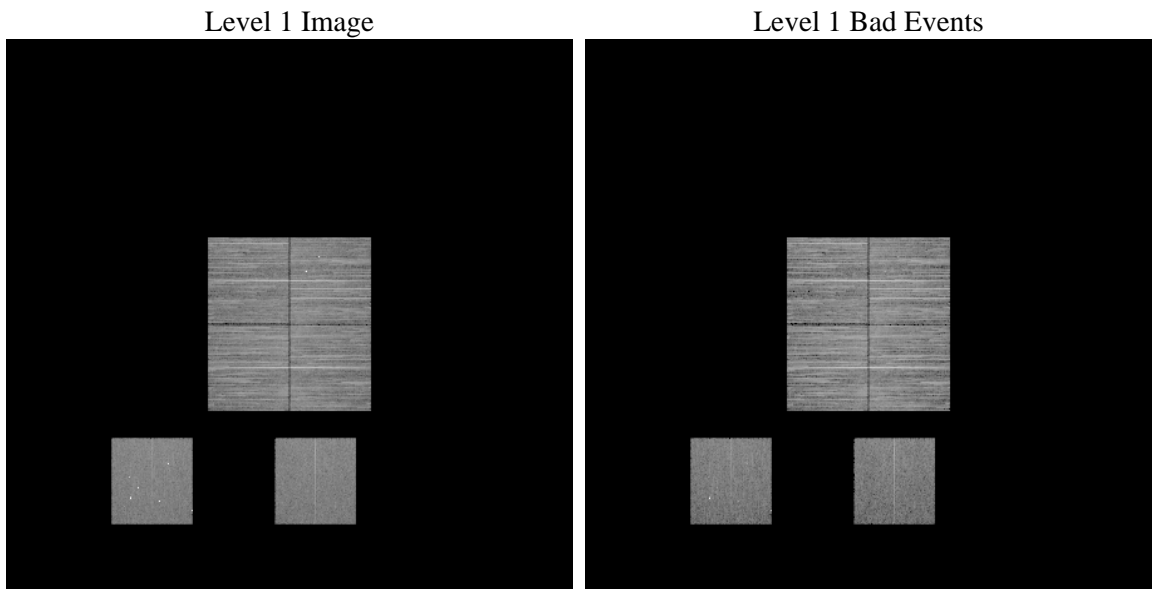
1 Front

seq_num	 	Sequence number
obs_id	52351	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	26.629749905709	Nominal RA [deg]
dec_nom	29.681049122239	Nominal Dec [deg]
roll_nom	174.45075561126	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8134.0206950307	Sum of GTIs [s]
livetime	8031.022827271	Livetime [s]
ontime0	8133.9796550274	Sum of GTIs [s]
ontime1	8133.9386150241	Sum of GTIs [s]
ontime2	8133.8975750208	Sum of GTIs [s]
ontime3	8134.061735034	Sum of GTIs [s]
ontime5	8133.8565350175	Sum of GTIs [s]
ontime7	8134.0206950307	Sum of GTIs [s]
l2events	186111	Number of level 2 events

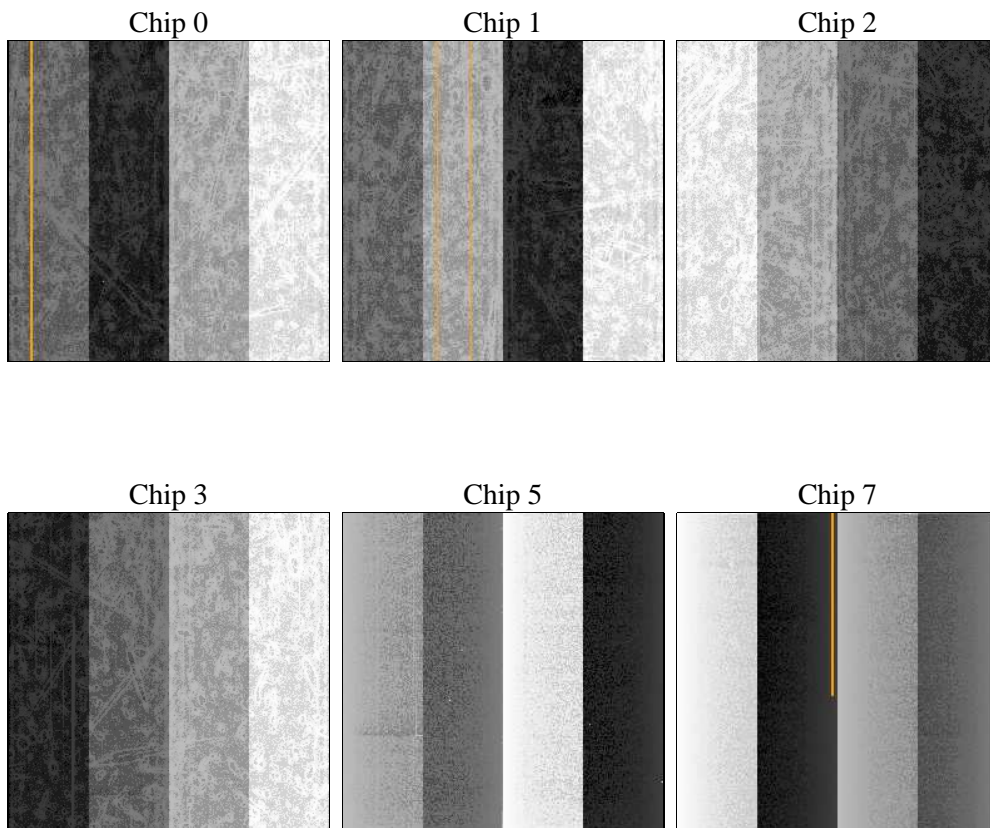
2 OBI

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	Processing system revision	ontime	8134.0206950307	Sum of GTIs [s]
caldsver	4.6.4	 	ontime0	8133.9796550274	Sum of GTIs [s]
date	2014-10-30T08:13:56	Date and time of file creation	ontime1	8133.9386150241	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8133.8975750208	Sum of GTIs [s]
			ontime3	8134.061735034	Sum of GTIs [s]
			ontime5	8133.8565350175	Sum of GTIs [s]
			ontime7	8134.0206950307	Sum of GTIs [s]
			l1events	849219	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	141544	159325	150199	147636	133925	116590	grade 0 events	12006	15292	12355	12346	12315	6336
rejected events	117685	131420	126268	123809	72944	68019		8%	9%	8%	8%	9%	5%
rejected %	83%	82%	84%	83%	54%	58%	grade 1 events	65	54	74	85	225	79
								0%	0%	0%	0%	0%	0%
							grade 2 events	5033	5614	4851	4761	20188	12172
								3%	3%	3%	3%	15%	10%
							grade 3 events	1738	1665	1742	1670	2028	3938
								1%	1%	1%	1%	1%	3%
							grade 4 events	1569	1679	1670	1697	1886	3718
								1%	1%	1%	1%	1%	3%
							grade 5 events	2834	2743	2757	3152	5728	7233
								2%	1%	1%	2%	4%	6%
							grade 6 events	3948	4211	3769	3800	25704	23279
								2%	2%	2%	2%	19%	19%
							grade 7 events	114351	128067	122981	120125	65851	59835
								80%	80%	81%	81%	49%	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	26.62974990570898
[deg] Pointing Dec	0	29.68104912223937
[deg] Pointing Roll	0.0	174.4507556112597
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)	530971408.983923	530971408.983923
Observation start date	2014-10-29T12:03:29	2014-10-29T12:03:28
[s] Observation end time (MET)	530980955.911784	530980955.911784
Observation end date	2014-10-29T14:42:36	2014-10-29T14:42:35
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)	2014.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1340206950307

A.2 Comments