

V&V Reference Report

L2 ASCDS Version : 10.0.1

Observation 53449 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 27 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

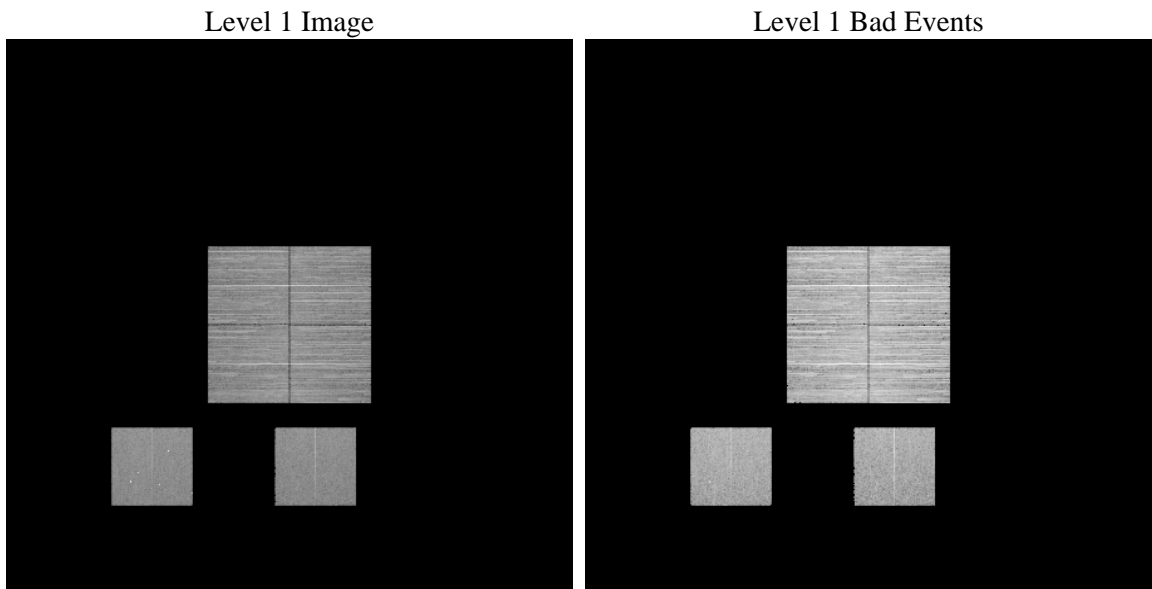
1 Front

seq_num	 	Sequence number
obs_id	53449	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	349.31298030397	Nominal RA [deg]
dec_nom	-30.97345849617	Nominal Dec [deg]
roll_nom	34.209745401535	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8047.1016969085	Sum of GTIs [s]
livetime	7945.2044498393	Livetime [s]
ontime0	8047.0606569052	Sum of GTIs [s]
ontime1	8047.0196169019	Sum of GTIs [s]
ontime2	8046.9785768986	Sum of GTIs [s]
ontime3	8047.1427369118	Sum of GTIs [s]
ontime5	8046.9375368953	Sum of GTIs [s]
ontime7	8047.1016969085	Sum of GTIs [s]
l2events	233415	Number of level 2 events

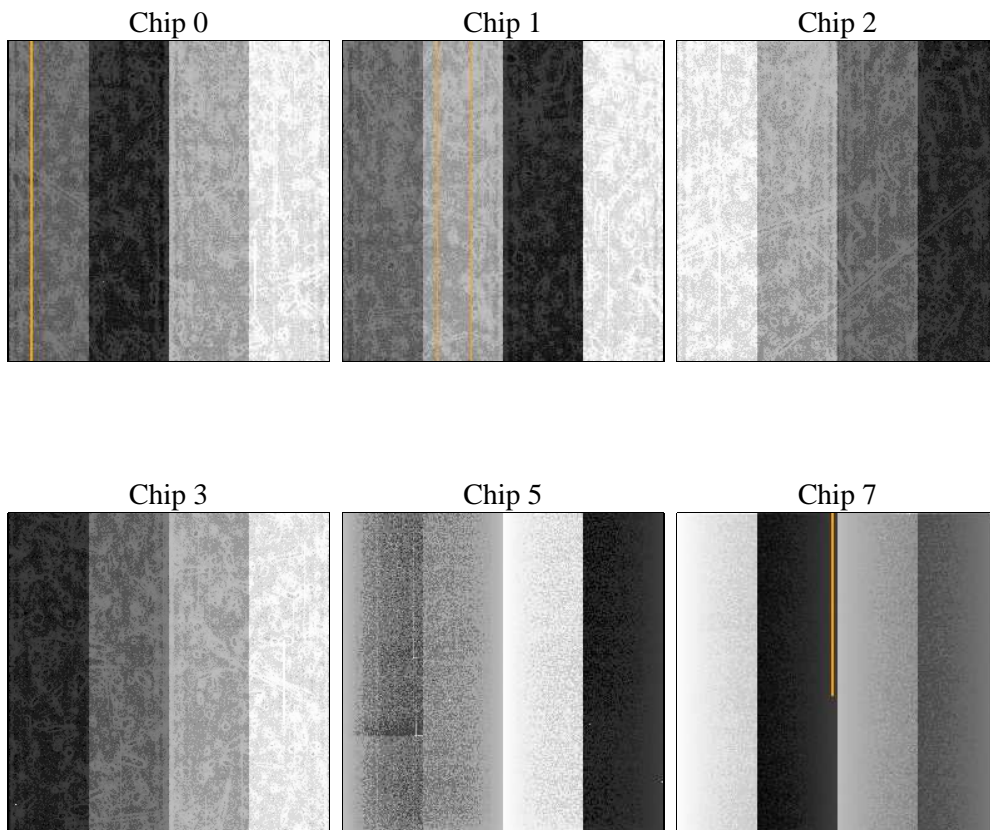
2 OBI

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	8047.1016969085	Sum of GTIs [s]
caldbver	4.5.8	 	ontime0	8047.0606569052	Sum of GTIs [s]
date	2013-08-27T15:48:07	Date and time of file creation	ontime1	8047.0196169019	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8046.9785768986	Sum of GTIs [s]
			ontime3	8047.1427369118	Sum of GTIs [s]
			ontime5	8046.9375368953	Sum of GTIs [s]
			ontime7	8047.1016969085	Sum of GTIs [s]
			l1events	845034	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	144741	150511	145208	151334	130595	122645	grade 0 events	17120	16717	17709	17560	9328	9131
rejected events	112104	117746	112484	118397	69664	65920		11%	11%	12%	11%	7%	7%
rejected %	77%	78%	77%	78%	53%	53%	grade 1 events	87	83	85	92	111	71
								0%	0%	0%	0%	0%	0%
							grade 2 events	6692	7152	6602	6505	22569	14326
								4%	4%	4%	4%	17%	11%
							grade 3 events	2296	2248	2204	2374	2314	4909
								1%	1%	1%	1%	1%	4%
							grade 4 events	2292	2211	2355	2380	2183	4841
								1%	1%	1%	1%	1%	3%
							grade 5 events	2774	2866	2570	3120	5959	7343
								1%	1%	1%	2%	4%	5%
							grade 6 events	5634	5844	5192	5486	26653	25657
								3%	3%	3%	3%	20%	20%
							grade 7 events	107846	113390	108491	113817	61478	56367
								74%	75%	74%	75%	47%	45%

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	349.3129803039732	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-30.97345849617048	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	34.20974540153536	[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)	493953300.293584	493953300.293584			
Observation start date	2013-08-27T01:15:00	2013-08-27T01:15:00			
[s] Observation end time (MET)	493962847.720865	493962847.720865			
Observation end date	2013-08-27T03:54:08	2013-08-27T03:54:07			
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)	2013.08.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0471016969085

A.2 Comments