

V&V Reference Report

L2 ASCDS Version : 10.3

Observation 52296 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 22 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

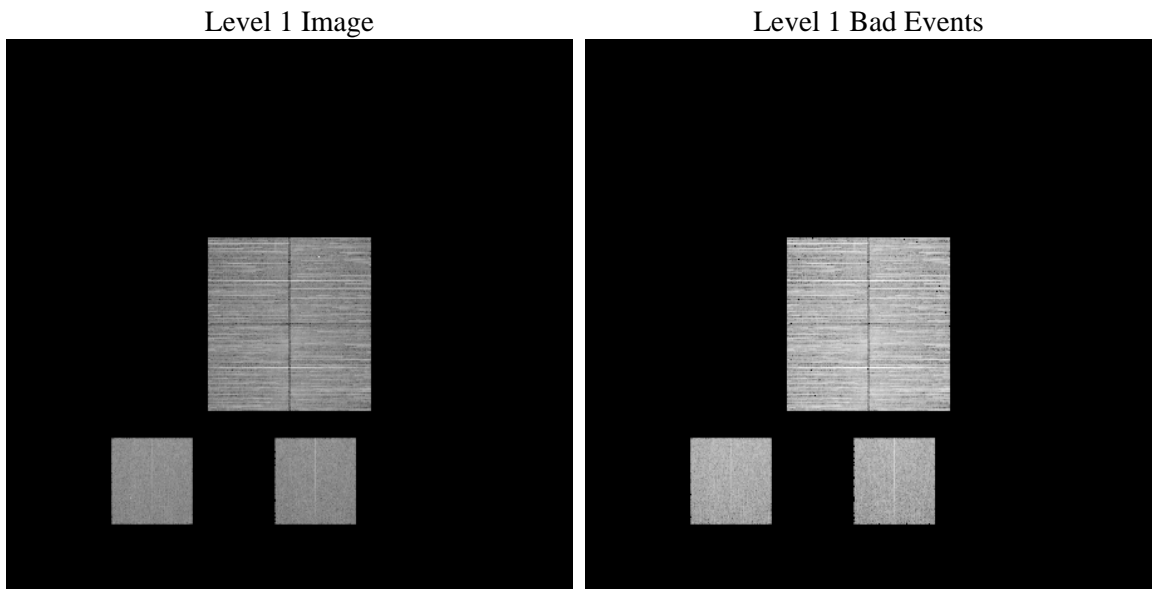
1 Front

seq_num	 	Sequence number
obs_id	52296	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	80.997080346061	Nominal RA [deg]
dec_nom	10.028798161972	Nominal Dec [deg]
roll_nom	62.873516586446	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6262.3999767303	Sum of GTIs [s]
livetime	6183.1016974604	Livetime [s]
ontime0	6262.3999767303	Sum of GTIs [s]
ontime1	6262.3999767303	Sum of GTIs [s]
ontime2	6262.3999767303	Sum of GTIs [s]
ontime3	6262.3999767303	Sum of GTIs [s]
ontime5	6262.3999767303	Sum of GTIs [s]
ontime7	6262.3999767303	Sum of GTIs [s]
l2events	149547	Number of level 2 events

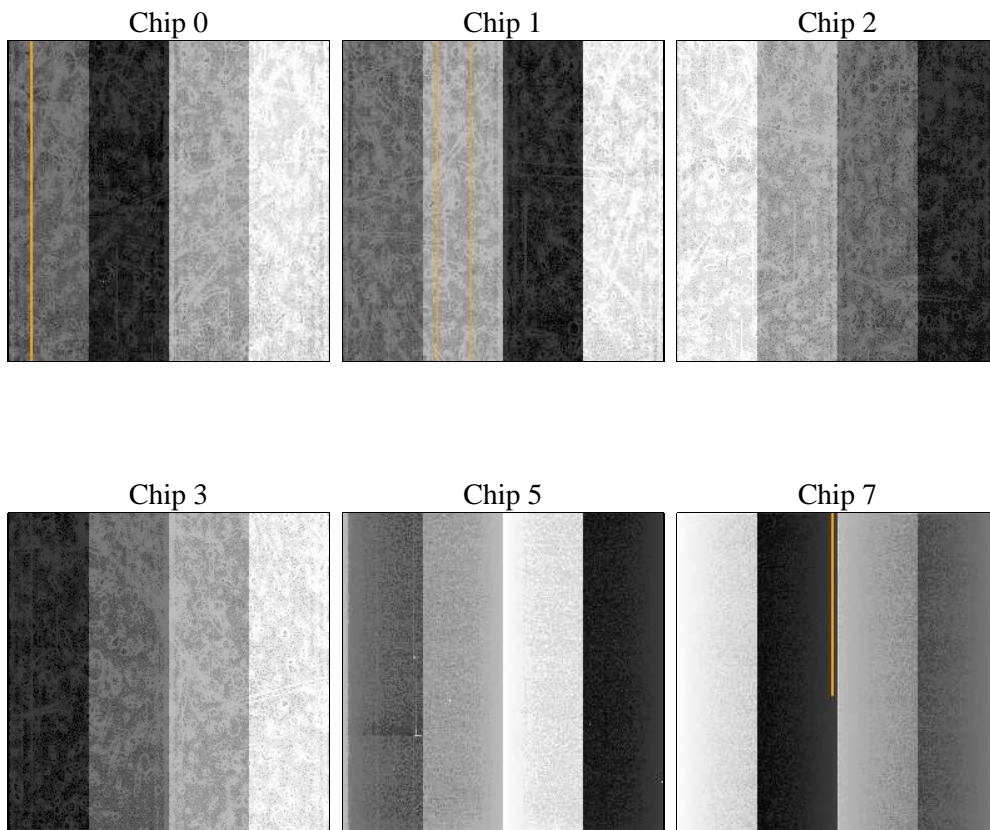
2 OBI

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	6262.3999767303	Sum of GTIs [s]
caldbver	4.6.4	 	ontime0	6262.3999767303	Sum of GTIs [s]
date	2014-11-23T02:11:23	Date and time of file creation	ontime1	6262.3999767303	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	6262.3999767303	Sum of GTIs [s]
			ontime3	6262.3999767303	Sum of GTIs [s]
			ontime5	6262.3999767303	Sum of GTIs [s]
			ontime7	6262.3999767303	Sum of GTIs [s]
			l1events	665538	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	109269	115361	122808	124615	98883	94602	grade 0 events	9221	10261	9407	9491	3140	4936
rejected events	90566	95029	104216	105678	57050	54571		8%	8%	7%	7%	3%	5%
rejected %	82%	82%	84%	84%	57%	57%	grade 1 events	57	42	67	57	109	92
								0%	0%	0%	0%	0%	0%
							grade 2 events	3918	4275	3722	3635	15546	9831
								3%	3%	3%	2%	15%	10%
							grade 3 events	1303	1245	1329	1361	1345	3120
								1%	1%	1%	1%	1%	3%
							grade 4 events	1271	1316	1230	1374	1283	3062
								1%	1%	1%	1%	1%	3%
							grade 5 events	2219	2281	2240	2552	4629	5829
								2%	1%	1%	2%	4%	6%
							grade 6 events	2990	3235	2904	3076	20519	19082
								2%	2%	2%	2%	20%	20%
							grade 7 events	88290	92706	101909	103069	52312	48650
								80%	80%	82%	82%	52%	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	NONE	UPDATED
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	80.99708034606064	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	10.02879816197154	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	62.87351658644623	[s] Primary exposure time	3.2	3.2
[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)	533064727.650376	533064726.62538			
Observation start date	2014-11-22T17:32:08	2014-11-22T17:32:06			
[s] Observation end time (MET)	533072706.25082	533072705.22582			
Observation end date	2014-11-22T19:45:06	2014-11-22T19:45:05			
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)	2014.11.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.2623999767303

A.2 Comments