

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52502 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 1 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

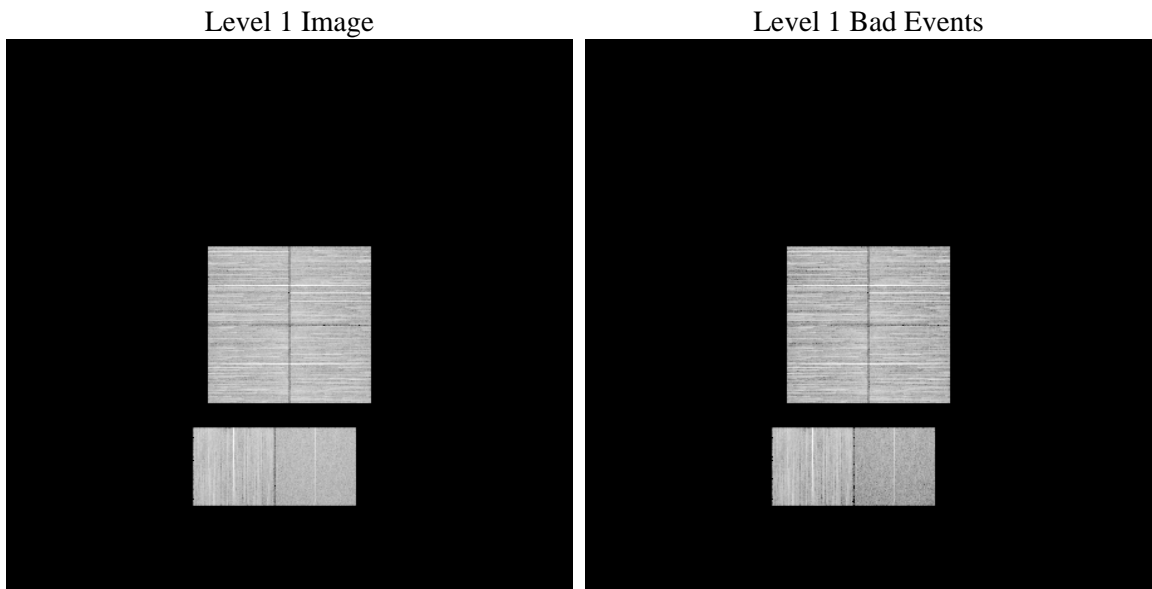
1 Front

seq_num	 	Sequence number
obs_id	52502	Observation id
title	ACIS-012367 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	321.03445739239	Nominal RA [deg]
dec_nom	-24.010101319411	Nominal Dec [deg]
roll_nom	306.92217488066	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8412.7999687195	Sum of GTIs [s]
livetime	8306.2720299356	Livetime [s]
ontime0	8412.7999687195	Sum of GTIs [s]
ontime1	8412.7999687195	Sum of GTIs [s]
ontime2	8412.7999687195	Sum of GTIs [s]
ontime3	8412.7999687195	Sum of GTIs [s]
ontime6	8412.7999687195	Sum of GTIs [s]
ontime7	8412.7999687195	Sum of GTIs [s]
l2events	175185	Number of level 2 events

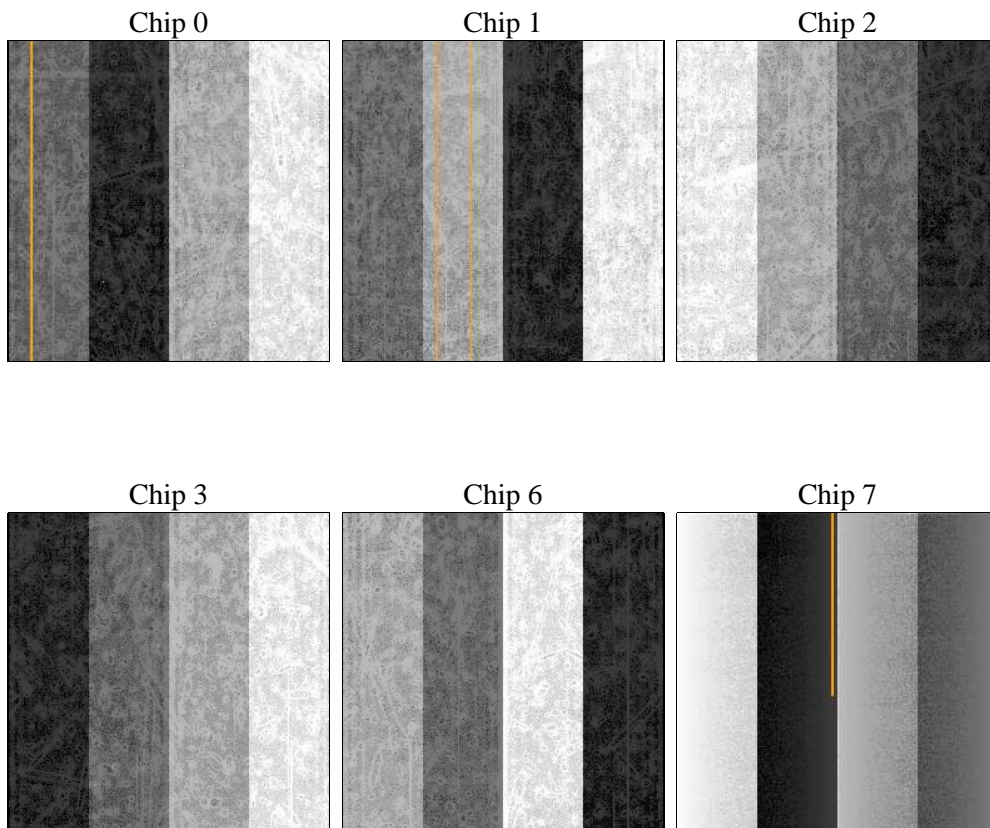
2 OBI

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	10.2.4	Processing system revision	ontime	8412.7999687195	Sum of GTIs [s]
caldsver	4.6.2	 	ontime0	8412.7999687195	Sum of GTIs [s]
date	2014-09-02T03:44:20	Date and time of file creation	ontime1	8412.7999687195	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8412.7999687195	Sum of GTIs [s]
			ontime3	8412.7999687195	Sum of GTIs [s]
			ontime6	8412.7999687195	Sum of GTIs [s]
			ontime7	8412.7999687195	Sum of GTIs [s]
			l1events	948193	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	163335	162168	163863	164735	166073	128019	grade 0 events	13077	12463	13346	13266	13092	7136
rejected events	137038	136261	137801	138806	139105	73025		8%	7%	8%	8%	7%	5%
rejected %	83%	84%	84%	84%	83%	57%	grade 1 events	80	79	88	84	73	101
								0%	0%	0%	0%	0%	0%
							grade 2 events	5432	5577	5268	5036	5618	13505
								3%	3%	3%	3%	3%	10%
							grade 3 events	1875	1796	1854	1887	1804	4451
								1%	1%	1%	1%	1%	3%
							grade 4 events	1742	1814	1815	1904	1818	4444
								1%	1%	1%	1%	1%	3%
							grade 5 events	3144	3053	2909	3371	3324	7986
								1%	1%	1%	2%	2%	6%
							grade 6 events	4348	4416	3961	3997	4798	25783
								2%	2%	2%	2%	2%	20%
							grade 7 events	133637	132970	134622	135190	135546	64613
								81%	81%	82%	82%	81%	50%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	321.0344573923891	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-24.01010131941103	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	306.9221748806618	[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	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	525980591.456626	525980590.43163			
Observation start date	2014-09-01T17:43:11	2014-09-01T17:43:10			
[s] Observation end time (MET)	525992940.65731	525992939.63231			
Observation end date	2014-09-01T21:09:01	2014-09-01T21:08:59			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.09.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4127999687195

A.2 Comments