

V&V Reference Report

L2 ASCDS Version : 10.0.1

Observation 53444 - 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

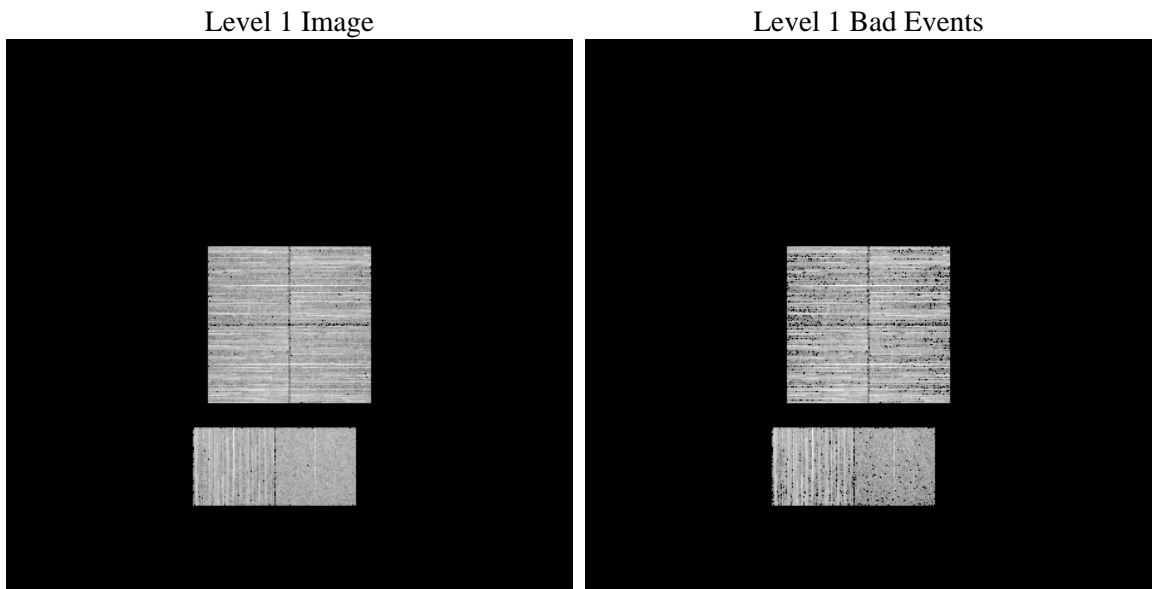
1 Front

seq_num	 	Sequence number
obs_id	53444	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	349.80294887334	Nominal RA [deg]
dec_nom	-30.279118462946	Nominal Dec [deg]
roll_nom	35.179598111156	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3292.4036992788	Sum of GTIs [s]
livetime	3250.7133011911	Livetime [s]
ontime0	3292.3626592755	Sum of GTIs [s]
ontime1	3292.3216192722	Sum of GTIs [s]
ontime2	3292.2805792689	Sum of GTIs [s]
ontime3	3292.4447392821	Sum of GTIs [s]
ontime6	3292.2395392656	Sum of GTIs [s]
ontime7	3292.4036992788	Sum of GTIs [s]
l2events	77994	Number of level 2 events

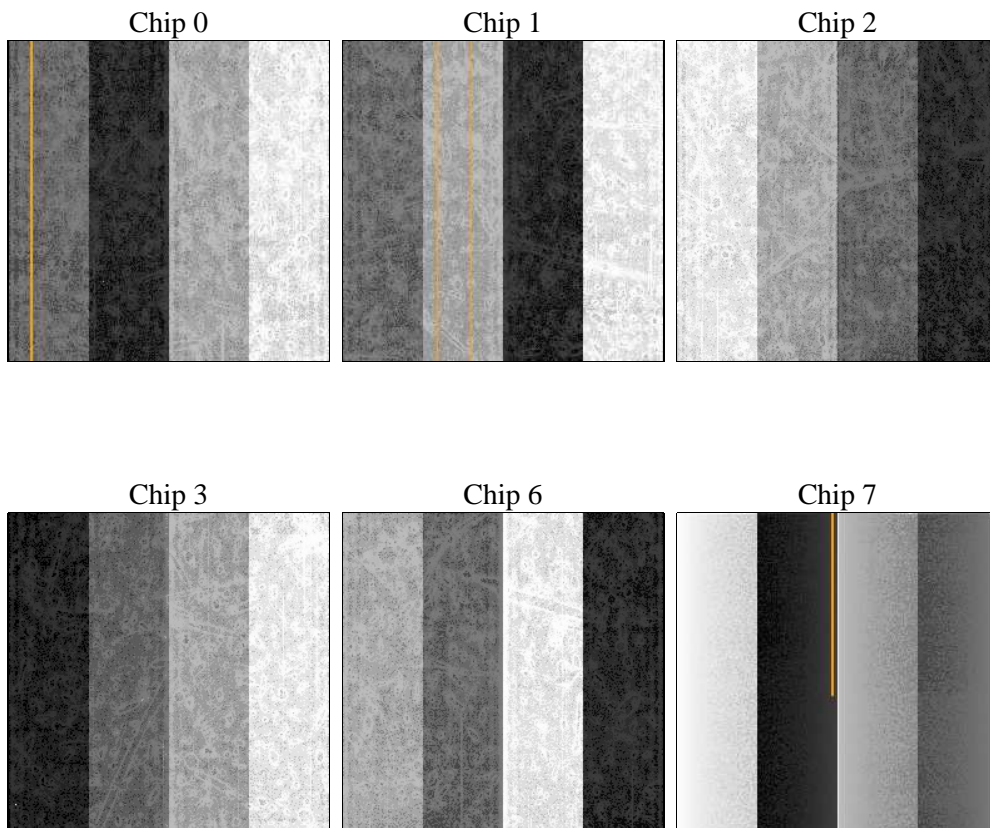
2 OBI

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	3292.4036992788	Sum of GTIs [s]
caldbver	4.5.8	 	ontime0	3292.3626592755	Sum of GTIs [s]
date	2013-08-27T22:04:19	Date and time of file creation	ontime1	3292.3216192722	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3292.2805792689	Sum of GTIs [s]
			ontime3	3292.4447392821	Sum of GTIs [s]
			ontime6	3292.2395392656	Sum of GTIs [s]
			ontime7	3292.4036992788	Sum of GTIs [s]
			l1events	343058	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	52056	60815	67051	57489	58023	47624	grade 0 events	6169	5988	6292	6487	6124	3176
rejected events	39996	48700	54978	45228	45486	25759		11%	9%	9%	11%	10%	6%
rejected %	76%	80%	81%	78%	78%	54%	grade 1 events	40	25	37	23	30	33
								0%	0%	0%	0%	0%	0%
							grade 2 events	2395	2483	2354	2257	2563	5230
								4%	4%	3%	3%	4%	10%
							grade 3 events	853	805	866	839	856	1855
								1%	1%	1%	1%	1%	3%
							grade 4 events	783	787	859	850	872	1848
								1%	1%	1%	1%	1%	3%
							grade 5 events	1122	1050	1082	1219	1197	2792
								2%	1%	1%	2%	2%	5%
							grade 6 events	1860	2052	1702	1828	2122	9756
								3%	3%	2%	3%	3%	20%
							grade 7 events	38834	47625	53859	43986	44259	22934
								74%	78%	80%	76%	76%	48%

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	349.8029488733435	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-30.27911846294629	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	35.17959811115631	[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)	493986016.245369	493986015.22037			
Observation start date	2013-08-27T10:20:16	2013-08-27T10:20:15			
[s] Observation end time (MET)	493992570.095713	493992569.07071			
Observation end date	2013-08-27T12:09:30	2013-08-27T12:09:29			
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	3.2924036992788

A.2 Comments