

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52404 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 8 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

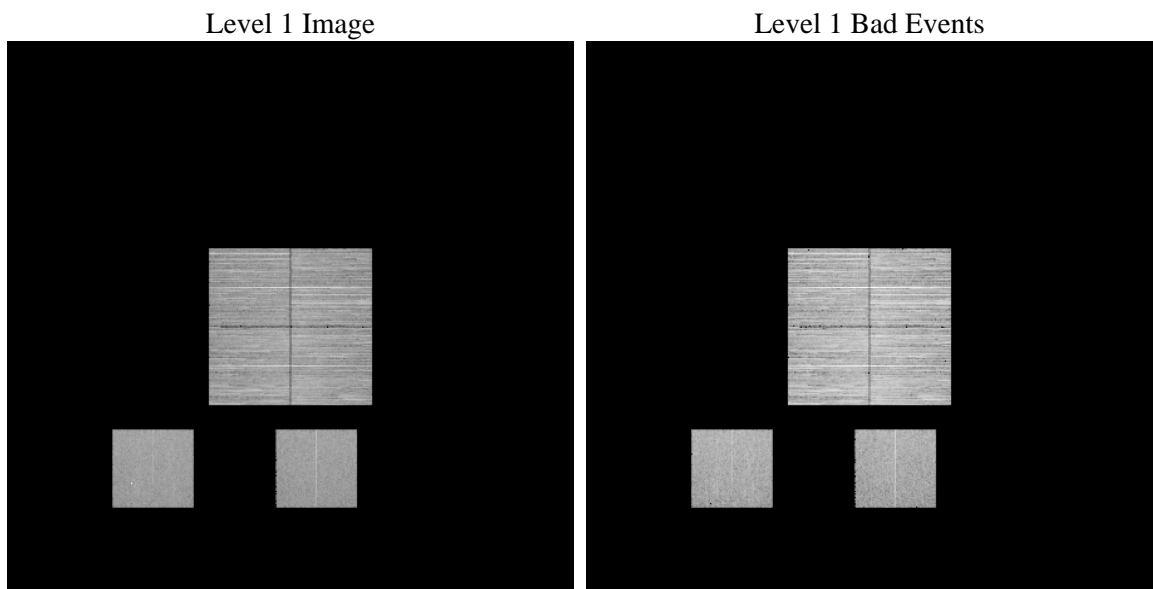
1 Front

seq_num	 	Sequence number
obs_id	52404	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	32.317489531159	Nominal RA [deg]
dec_nom	-10.235943809649	Nominal Dec [deg]
roll_nom	49.145402020363	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8465.8575253487	Sum of GTIs [s]
livetime	8358.6577398353	Livetime [s]
ontime0	8465.8164853454	Sum of GTIs [s]
ontime1	8465.7754453421	Sum of GTIs [s]
ontime2	8465.7344053388	Sum of GTIs [s]
ontime3	8465.898565352	Sum of GTIs [s]
ontime5	8465.6933653355	Sum of GTIs [s]
ontime7	8465.8575253487	Sum of GTIs [s]
l2events	198205	Number of level 2 events

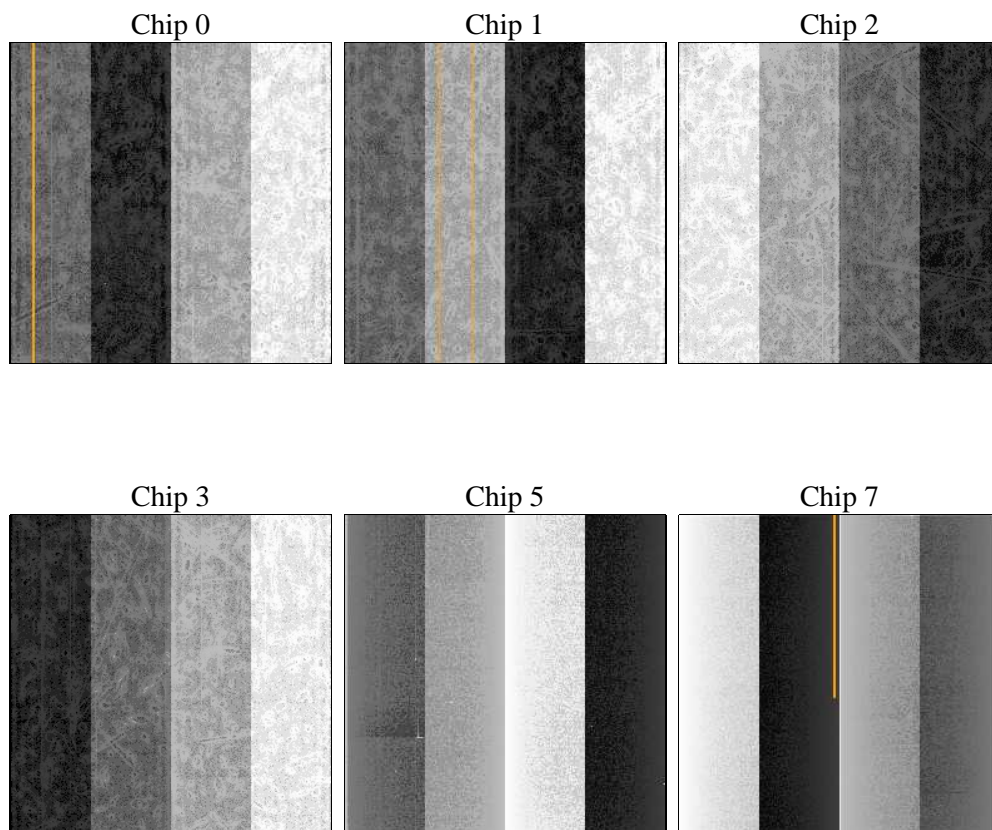
2 OBI

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	8465.8575253487	Sum of GTIs [s]
caldsver	4.6.3	 	ontime0	8465.8164853454	Sum of GTIs [s]
date	2014-10-09T02:53:56	Date and time of file creation	ontime1	8465.7754453421	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8465.7344053388	Sum of GTIs [s]
			ontime3	8465.898565352	Sum of GTIs [s]
			ontime5	8465.6933653355	Sum of GTIs [s]
			ontime7	8465.8575253487	Sum of GTIs [s]
			l1events	846797	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	137683	148220	155004	155739	128263	121888	grade 0 events	12548	12072	13100	12817	4831	6727
rejected events	112417	122848	129400	130524	72890	69851		9%	8%	8%	8%	3%	5%
rejected %	81%	82%	83%	83%	56%	57%	grade 1 events	73	70	79	68	124	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	5147	5576	5074	4923	20484	12851
								3%	3%	3%	3%	15%	10%
							grade 3 events	1736	1711	1773	1749	1768	4113
								1%	1%	1%	1%	1%	3%
							grade 4 events	1712	1718	1811	1811	1681	4085
								1%	1%	1%	1%	1%	3%
							grade 5 events	2900	2951	2737	3131	5896	7560
								2%	1%	1%	2%	4%	6%
							grade 6 events	4128	4306	3859	3925	26622	24283
								2%	2%	2%	2%	20%	19%
							grade 7 events	109439	119816	126571	127315	66857	62187
								79%	80%	81%	81%	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	32.31748953115901	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-10.23594380964926	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	49.1454020203625	[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)	529179450.584313	529179449.55931			
Observation start date	2014-10-08T18:17:31	2014-10-08T18:17:29			
[s] Observation end time (MET)	529191137.634963	529191136.60996			
Observation end date	2014-10-08T21:32:18	2014-10-08T21:32:16			
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)	2014.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4658575253487

A.2 Comments