

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57360 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : May 30 2012

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

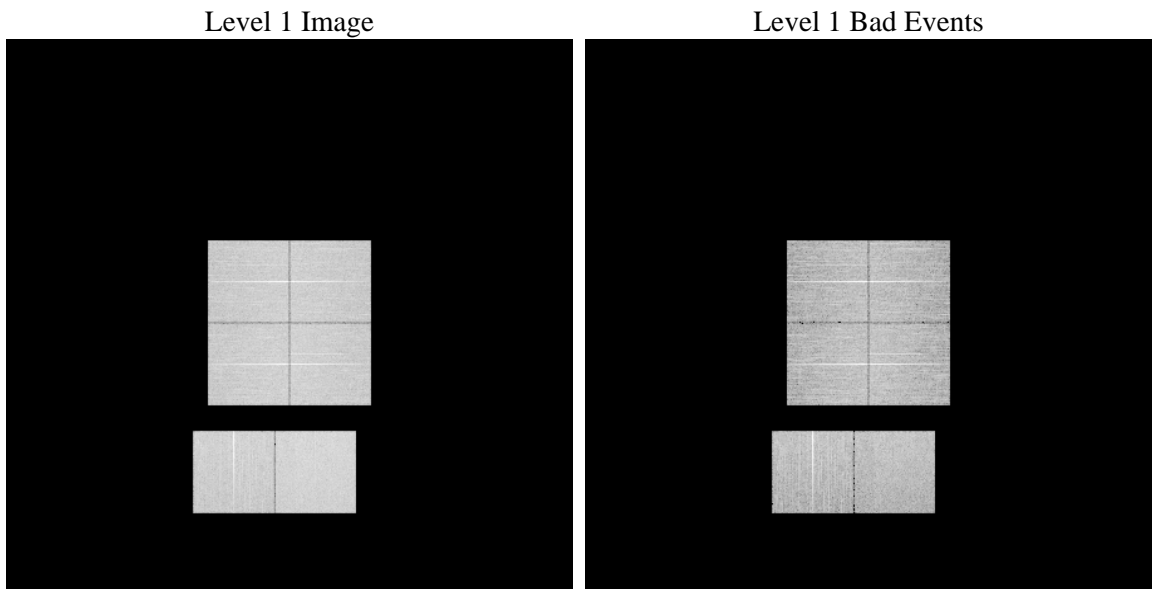
1 Front

seq_num	 	Sequence number
obs_id	57360	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	124.8466578134	Nominal RA [deg]
dec_nom	21.547407599223	Nominal Dec [deg]
roll_nom	251.29863201592	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8038.3999701142	Sum of GTIs [s]
livetime	7936.6129095493	Livetime [s]
ontime0	8038.3999701142	Sum of GTIs [s]
ontime1	8038.3999701142	Sum of GTIs [s]
ontime2	8038.3999701142	Sum of GTIs [s]
ontime3	8035.158949852	Sum of GTIs [s]
ontime6	8038.3999701142	Sum of GTIs [s]
ontime7	8038.3999701142	Sum of GTIs [s]
l2events	503169	Number of level 2 events

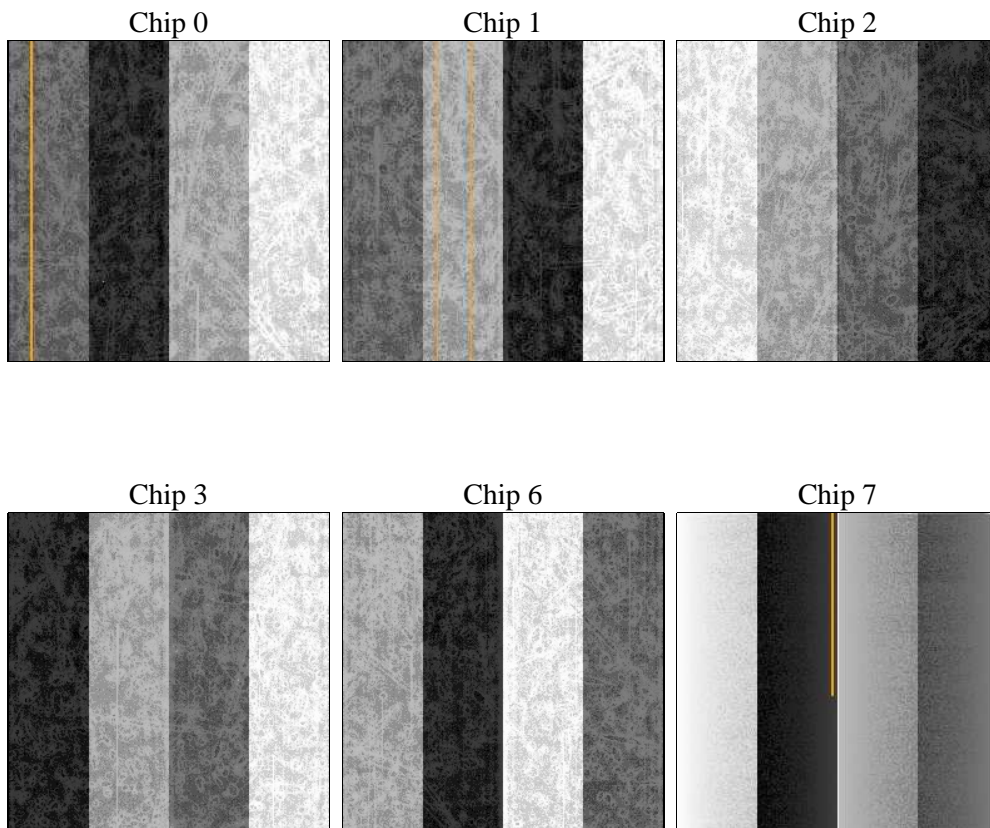
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8460	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8038.3999701142	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8038.3999701142	Sum of GTIs [s]
date	2012-05-30T06:16:58	Date and time of file creation	ontime1	8038.3999701142	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	8038.3999701142	Sum of GTIs [s]
			ontime3	8035.158949852	Sum of GTIs [s]
			ontime6	8038.3999701142	Sum of GTIs [s]
			ontime7	8038.3999701142	Sum of GTIs [s]
			l1events	981628	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	153373	152312	160426	160900	163810	190807	grade 0 events	44861	44649	46028	46493	45946	23091
rejected events	71481	70334	78231	78285	78871	72813		29%	29%	28%	28%	28%	12%
rejected %	46%	46%	48%	48%	48%	38%	grade 1 events	355	282	350	354	304	152
								0%	0%	0%	0%	0%	0%
							grade 2 events	15223	15621	14703	14682	15614	26151
								9%	10%	9%	9%	9%	13%
							grade 3 events	5714	5585	5769	5799	5732	11447
								3%	3%	3%	3%	3%	5%
							grade 4 events	5827	5518	5708	5750	5699	11180
								3%	3%	3%	3%	3%	5%
							grade 5 events	4078	4100	3880	4480	4427	11092
								2%	2%	2%	2%	2%	5%
							grade 6 events	12701	13031	12472	12318	14580	49691
								8%	8%	7%	7%	8%	26%
							grade 7 events	64614	63526	71516	71024	71508	58003
								42%	41%	44%	44%	43%	30%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	124.8466578311582	124.8466578133974
[deg] Pointing Dec	21.54740767714963	21.54740759922259
[deg] Pointing Roll	251.2986317154439	251.2986320159222
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	348903924.859195	348903924.859195
Observation start date	2009-01-21T06:09:00	2009-01-21T05:45:24
[s] Observation end time (MET)	348913742.996241	348913742.996241
Observation end date	2009-01-21T08:30:00	2009-01-21T08:29:02
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0383999701142

A.2 Comments