

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54967 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 29 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

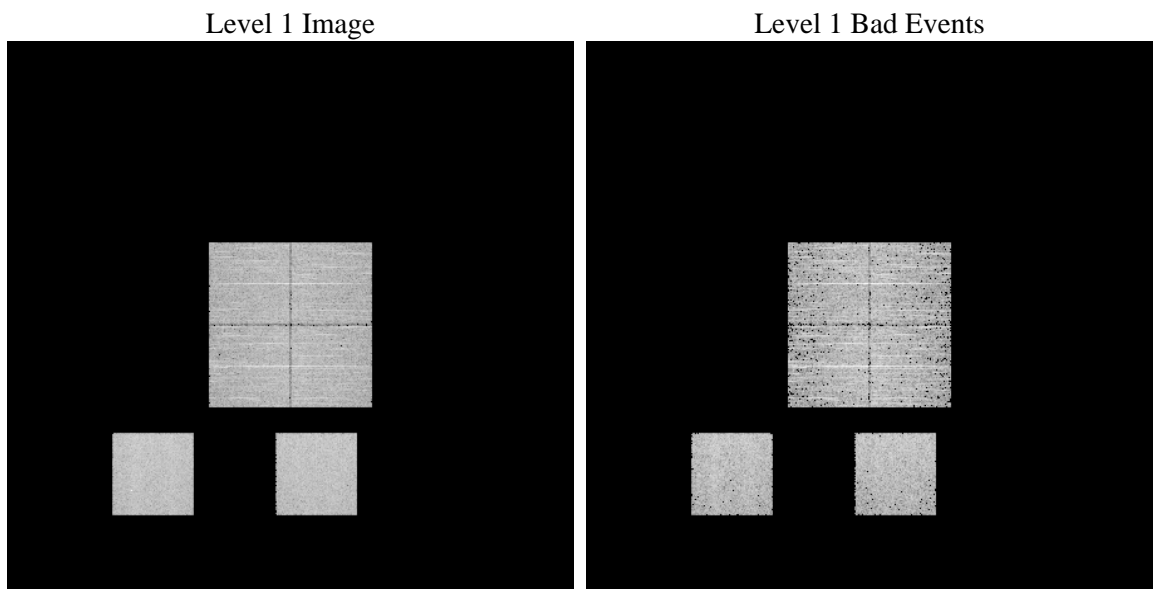
1 Front

seq_num	 	Sequence number
obs_id	54967	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	79.028394019821	Nominal RA [deg]
dec_nom	1.0037689502183	Nominal Dec [deg]
roll_nom	334.50338743594	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3803.8758993745	Sum of GTIs [s]
livetime	3755.7089323175	Livetime [s]
ontime0	3803.8348593712	Sum of GTIs [s]
ontime1	3803.7938193679	Sum of GTIs [s]
ontime2	3803.7527793646	Sum of GTIs [s]
ontime3	3803.9169393778	Sum of GTIs [s]
ontime5	3803.7117393613	Sum of GTIs [s]
ontime7	3803.8758993745	Sum of GTIs [s]
l2events	139550	Number of level 2 events

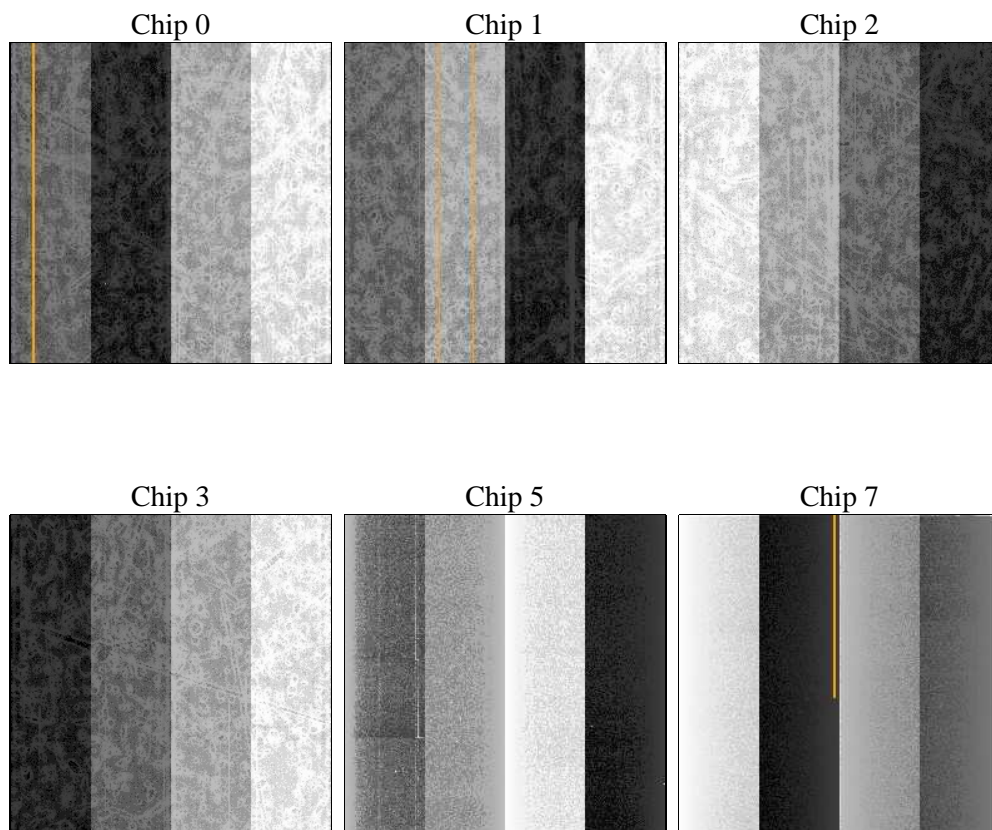
2 OBI

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	8.4.3	Processing system revision	ontime	3803.8758993745	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	3803.8348593712	Sum of GTIs [s]
date	2012-02-29T13:20:30	Date and time of file creation	ontime1	3803.7938193679	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3803.7527793646	Sum of GTIs [s]
			ontime3	3803.9169393778	Sum of GTIs [s]
			ontime5	3803.7117393613	Sum of GTIs [s]
			ontime7	3803.8758993745	Sum of GTIs [s]
			l1events	308104	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	45034	45007	46928	47468	62707	60960
rejected events	25061	25133	27168	27641	28753	28100
rejected %	55%	55%	57%	58%	45%	46%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
grade 0 events	10149	9219	10543	10536	2924	4885
	22%	20%	22%	22%	4%	8%
grade 1 events	60	55	69	60	91	54
	0%	0%	0%	0%	0%	0%
grade 2 events	3919	4812	3487	3553	12765	7361
	8%	10%	7%	7%	20%	12%
grade 3 events	1376	1279	1405	1396	1095	2694
	3%	2%	2%	2%	1%	4%
grade 4 events	1318	1139	1361	1333	1050	2583
	2%	2%	2%	2%	1%	4%
grade 5 events	1425	1422	1331	1645	3063	3917
	3%	3%	2%	3%	4%	6%
grade 6 events	3211	3425	2964	3009	16120	15337
	7%	7%	6%	6%	25%	25%
grade 7 events	23576	23656	25768	25936	25599	24129
	52%	52%	54%	54%	40%	39%

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	79.02839401982112	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	1.003768950218333	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	334.5033874359443	[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)	440972674.129057	440972673.10406			
Observation start date	2011-12-22T20:24:34	2011-12-22T20:24:33			
[s] Observation end time (MET)	440978377.229358	440978376.20436			
Observation end date	2011-12-22T21:59:37	2011-12-22T21:59:36			
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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.8038758993745

A.2 Comments