

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54773 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 19 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

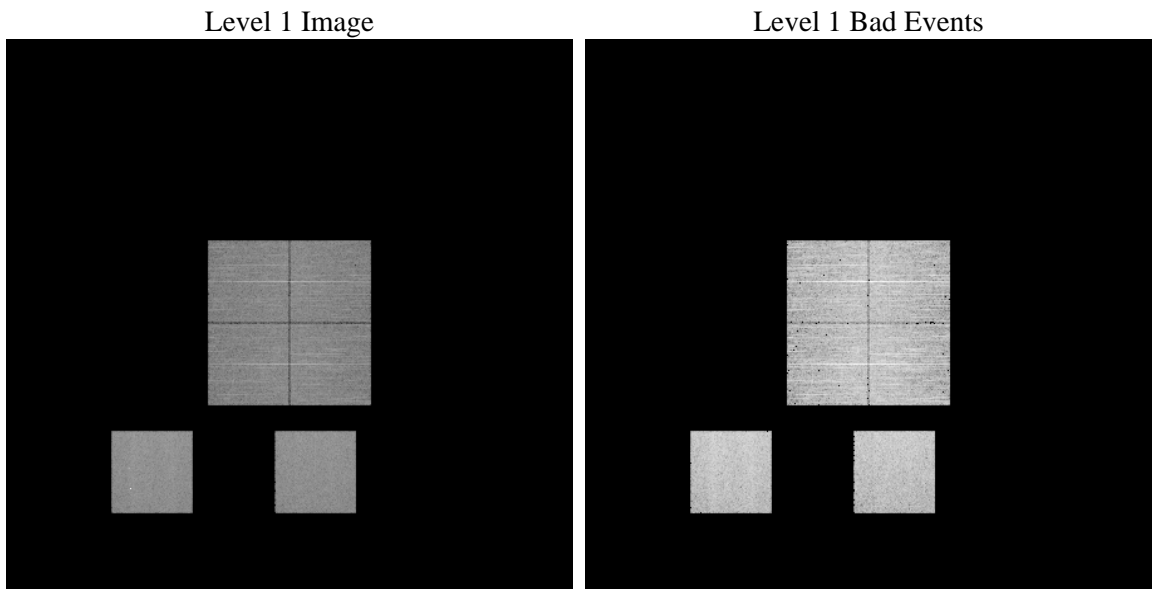
1 Front

seq_num	 	Sequence number
obs_id	54773	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	163.19743347843	Nominal RA [deg]
dec_nom	-15.522749373834	Nominal Dec [deg]
roll_nom	310.85370606392	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8175.9999696016	Sum of GTIs [s]
livetime	8072.4705349904	Livetime [s]
ontime0	8175.9999696016	Sum of GTIs [s]
ontime1	8175.9999696016	Sum of GTIs [s]
ontime2	8175.9999696016	Sum of GTIs [s]
ontime3	8175.9999696016	Sum of GTIs [s]
ontime5	8175.9999696016	Sum of GTIs [s]
ontime7	8175.9999696016	Sum of GTIs [s]
l2events	274140	Number of level 2 events

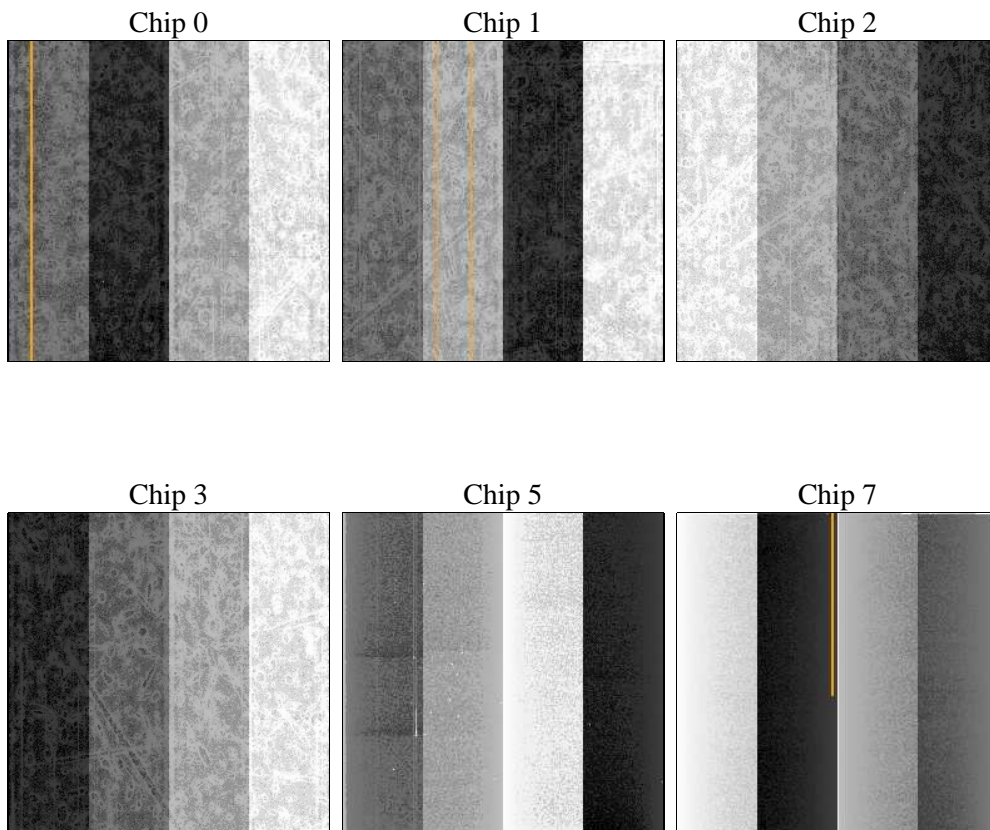
2 OBI

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	8175.9999696016	Sum of GTIs [s]
caldbver	4.4.8	 	ontime0	8175.9999696016	Sum of GTIs [s]
date	2012-03-19T17:36:36	Date and time of file creation	ontime1	8175.9999696016	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8175.9999696016	Sum of GTIs [s]
			ontime3	8175.9999696016	Sum of GTIs [s]
			ontime5	8175.9999696016	Sum of GTIs [s]
			ontime7	8175.9999696016	Sum of GTIs [s]
			l1events	594725	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	86555	87735	88046	91602	123412	117375	grade 0 events	19389	17306	20610	20775	5891	9999
rejected events	47377	48115	48868	52012	56271	53289		22%	19%	23%	22%	4%	8%
rejected %	54%	54%	55%	56%	45%	45%	grade 1 events	103	87	104	113	160	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	8852	11167	7953	8034	24401	14328
								10%	12%	9%	8%	19%	12%
							grade 3 events	2424	2185	2544	2535	2713	5616
								2%	2%	2%	2%	2%	4%
							grade 4 events	2505	2211	2529	2683	2804	5151
								2%	2%	2%	2%	2%	4%
							grade 5 events	2614	2672	2560	2941	5536	7139
								3%	3%	2%	3%	4%	6%
							grade 6 events	6513	7261	6042	6099	32237	29817
								7%	8%	6%	6%	26%	25%
							grade 7 events	44155	44846	45704	48422	49670	45243
								51%	51%	51%	52%	40%	38%

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	OVERRIDE	OVERRIDE
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	163.1974334784286	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-15.52274937383434	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	310.8537060639212	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	448514292.42815	448514292.42815			
Observation start date	2012-03-19T03:18:12	2012-03-19T03:18:12			
[s] Observation end time (MET)	448524110.094331	448524110.094331			
Observation end date	2012-03-19T06:01:50	2012-03-19T06:01:50			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1759999696016

A.2 Comments