

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55094 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Mar 2 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

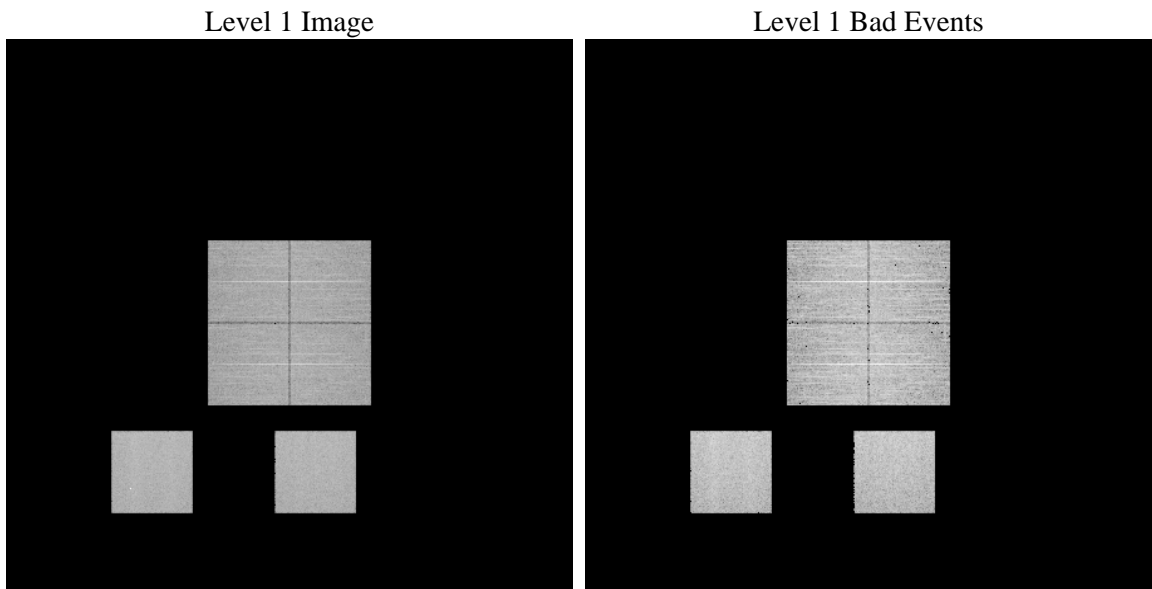
1 Front

seq_num	 	Sequence number
obs_id	55094	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	15.026341336436	Nominal RA [deg]
dec_nom	2.4882955514037	Nominal Dec [deg]
roll_nom	302.73210375146	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8149.4832825661	Sum of GTIs [s]
livetime	8046.2896182125	Livetime [s]
ontime0	8149.4422425628	Sum of GTIs [s]
ontime1	8149.4012025595	Sum of GTIs [s]
ontime2	8149.3601625562	Sum of GTIs [s]
ontime3	8149.5243225694	Sum of GTIs [s]
ontime5	8149.3191225529	Sum of GTIs [s]
ontime7	8149.4832825661	Sum of GTIs [s]
l2events	306708	Number of level 2 events

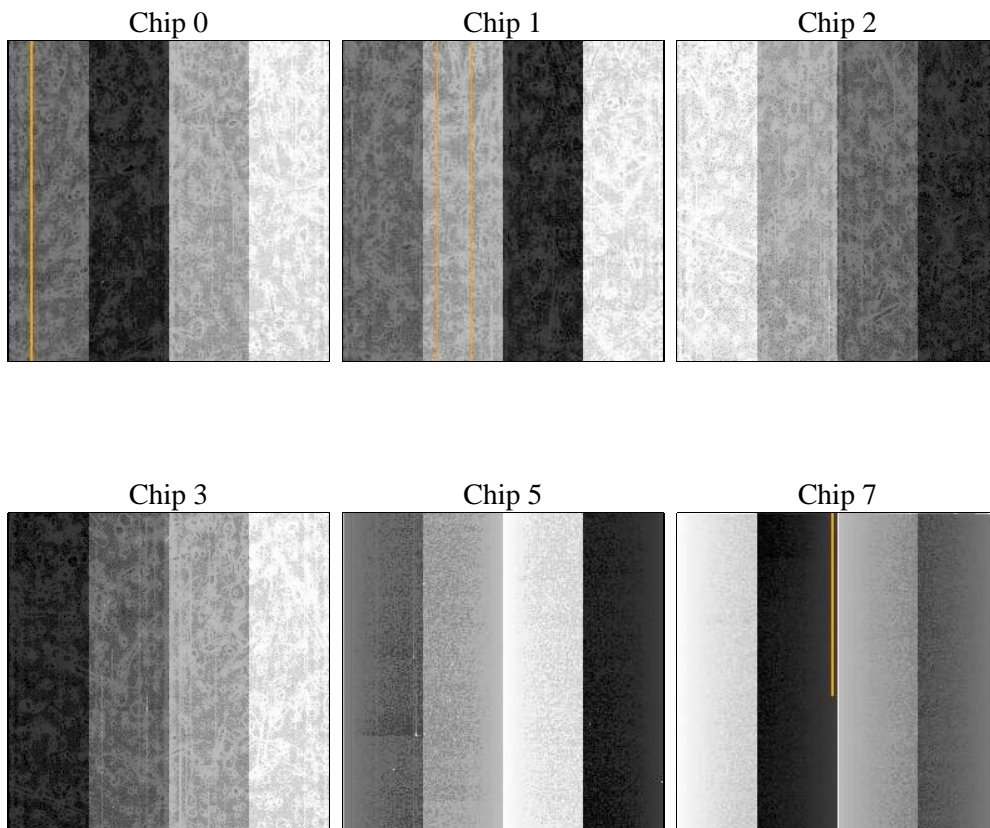
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	8149.4832825661	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	8149.4422425628	Sum of GTIs [s]
date	2012-03-02T15:26:22	Date and time of file creation	ontime1	8149.4012025595	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8149.3601625562	Sum of GTIs [s]
			ontime3	8149.5243225694	Sum of GTIs [s]
			ontime5	8149.3191225529	Sum of GTIs [s]
			ontime7	8149.4832825661	Sum of GTIs [s]
			l1events	639099	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	93764	94338	95529	97760	130985	126723	grade 0 events	22712	21900	24027	24126	7421	11736
rejected events	49995	50168	51356	52911	57341	55462		24%	23%	25%	24%	5%	9%
rejected %	53%	53%	53%	54%	43%	43%	grade 1 events	136	106	155	152	149	110
								0%	0%	0%	0%	0%	0%
							grade 2 events	8275	9177	7617	7853	27191	15792
								8%	9%	7%	8%	20%	12%
							grade 3 events	2983	2764	2942	2969	2638	6180
								3%	2%	3%	3%	2%	4%
							grade 4 events	2977	2911	3042	3128	2600	5991
								3%	3%	3%	3%	1%	4%
							grade 5 events	3222	3280	3034	3463	6664	8447
								3%	3%	3%	3%	5%	6%
							grade 6 events	6844	7436	6560	6773	33827	31592
								7%	7%	6%	6%	25%	24%
							grade 7 events	46615	46764	48152	49296	50495	46875
								49%	49%	50%	50%	38%	36%

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	15.02634133643568	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	2.4882955514037	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	302.7321037514591	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	436173297.926118	436173296.90111			
Observation start date	2011-10-28T07:14:58	2011-10-28T07:14:56			
[s] Observation end time (MET)	436183996.876682	436183995.85168			
Observation end date	2011-10-28T10:13:17	2011-10-28T10:13:15			
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)	2012.03.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1494832825661

A.2 Comments