

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57551 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 22 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

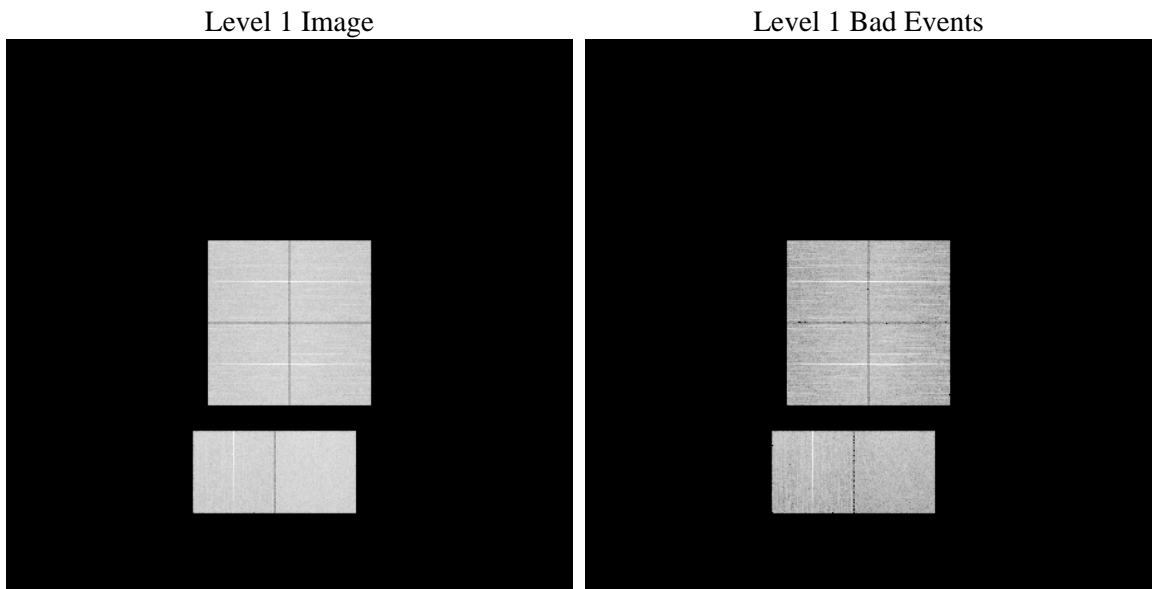
1 Front

seq_num	 	Sequence number
obs_id	57551	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	32.014105894611	Nominal RA [deg]
dec_nom	-12.9747652616	Nominal Dec [deg]
roll_nom	28.503441792537	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8277.0063775778	Sum of GTIs [s]
livetime	8172.19793901	Livetime [s]
ontime0	8276.9653375745	Sum of GTIs [s]
ontime1	8270.4423267841	Sum of GTIs [s]
ontime2	8276.8832575679	Sum of GTIs [s]
ontime3	8277.0474175811	Sum of GTIs [s]
ontime6	8276.8422175646	Sum of GTIs [s]
ontime7	8277.0063775778	Sum of GTIs [s]
l2events	547585	Number of level 2 events

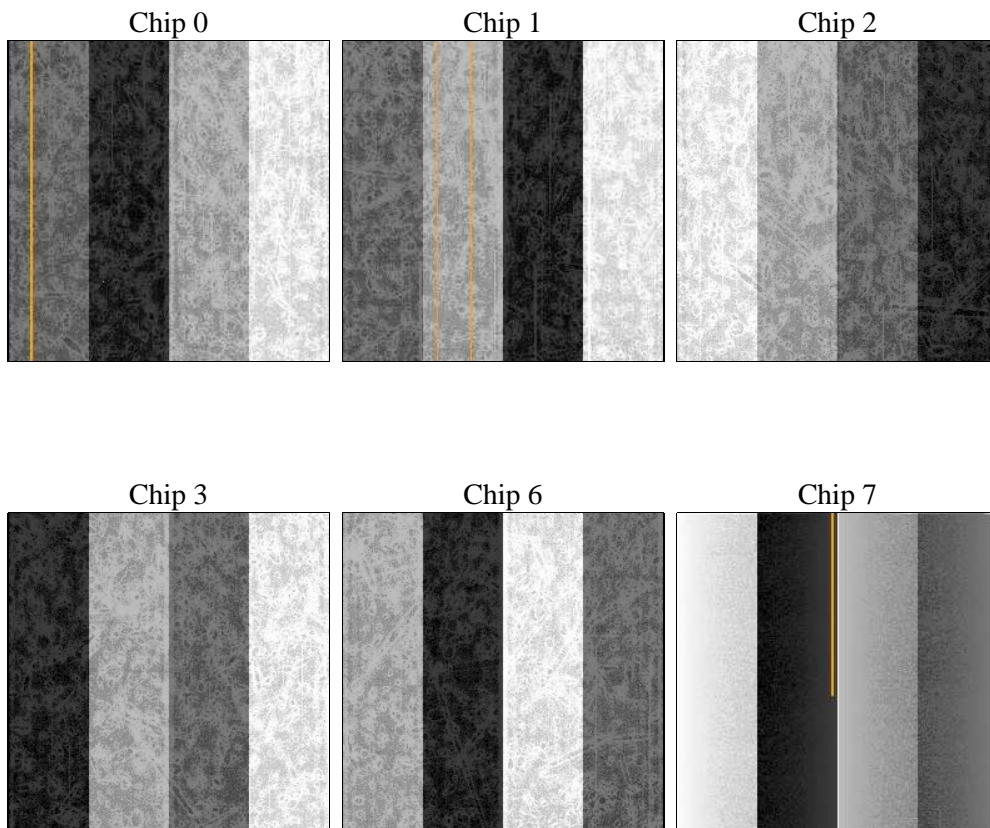
2 OBI

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	8.4.4	Processing system revision	ontime	8277.0063775778	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8276.9653375745	Sum of GTIs [s]
date	2012-05-22T23:29:14	Date and time of file creation	ontime1	8270.4423267841	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8276.8832575679	Sum of GTIs [s]
			ontime3	8277.0474175811	Sum of GTIs [s]
			ontime6	8276.8422175646	Sum of GTIs [s]
			ontime7	8277.0063775778	Sum of GTIs [s]
			l1events	1009777	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	157470	160666	164346	164421	169207	193667	grade 0 events	48065	47537	48949	49177	49190	24241
rejected events	68163	70626	74679	74488	75742	67702		30%	29%	29%	29%	29%	12%
rejected %	43%	43%	45%	45%	44%	34%	grade 1 events	340	303	413	405	295	176
								0%	0%	0%	0%	0%	0%
							grade 2 events	16088	16657	15401	15576	16688	27311
								10%	10%	9%	9%	9%	14%
							grade 3 events	5891	6042	6094	6071	6030	12058
								3%	3%	3%	3%	3%	6%
							grade 4 events	5939	5914	6067	6150	6117	11878
								3%	3%	3%	3%	3%	6%
							grade 5 events	3978	4205	3704	4370	4376	11308
								2%	2%	2%	2%	2%	5%
							grade 6 events	13324	13890	13156	12959	15440	50477
								8%	8%	8%	7%	9%	26%
							grade 7 events	63845	66118	70562	69713	71071	56218
								40%	41%	42%	42%	42%	29%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	32.01410589461105	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-12.97476526159973	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	28.50344179253711	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	340438959.891068	340438958.86607			
Observation start date	2008-10-15T06:22:40	2008-10-15T06:22:38			
[s] Observation end time (MET)	340461085.542158	340461084.51716			
Observation end date	2008-10-15T12:31:26	2008-10-15T12:31:24			
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)	2012.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2770063775778

A.2 Comments