

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57770 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : May 16 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

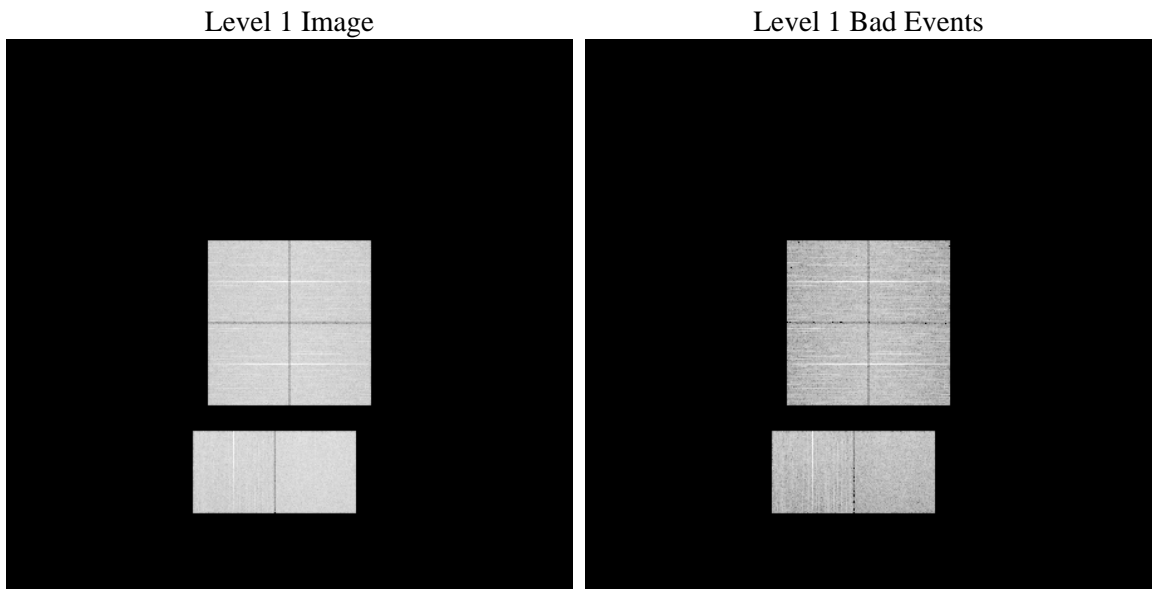
1 Front

seq_num	 	Sequence number
obs_id	57770	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	261.97542829941	Nominal RA [deg]
dec_nom	0.98519363147672	Nominal Dec [deg]
roll_nom	178.0385832184	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7747.199971199	Sum of GTIs [s]
livetime	7649.1002603599	Livetime [s]
ontime0	7747.199971199	Sum of GTIs [s]
ontime1	7747.199971199	Sum of GTIs [s]
ontime2	7747.199971199	Sum of GTIs [s]
ontime3	7747.199971199	Sum of GTIs [s]
ontime6	7747.199971199	Sum of GTIs [s]
ontime7	7747.199971199	Sum of GTIs [s]
l2events	550494	Number of level 2 events

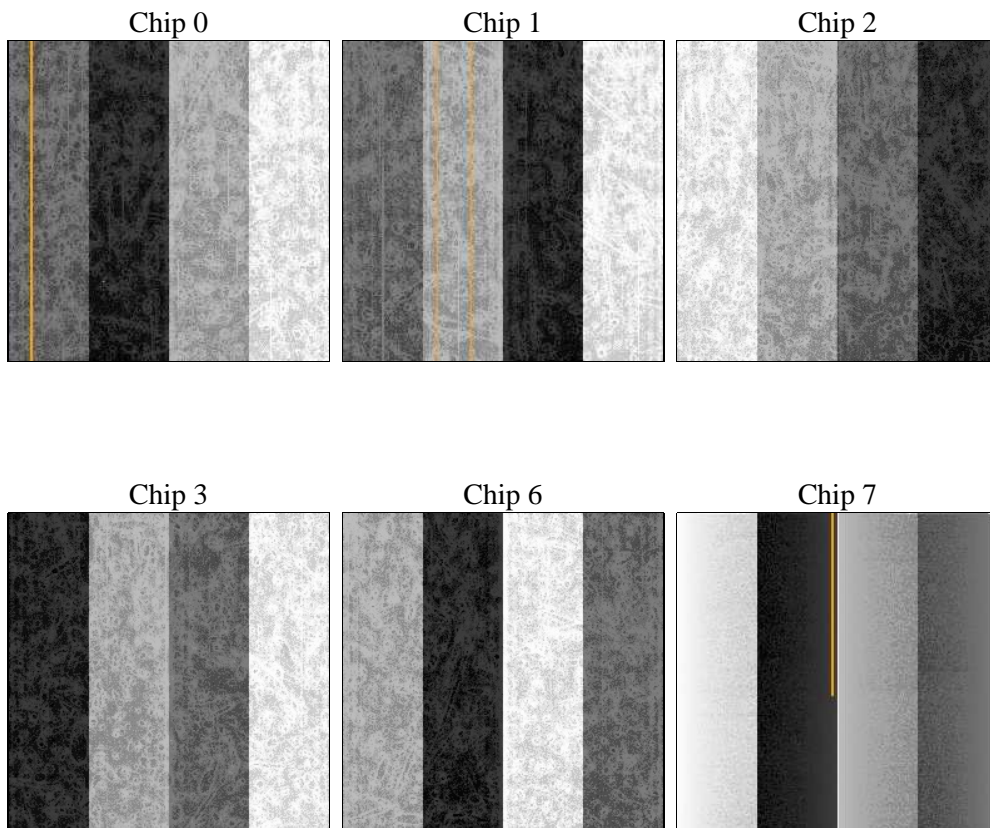
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6360	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7747.199971199	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	7747.199971199	Sum of GTIs [s]
date	2012-05-16T15:01:16	Date and time of file creation	ontime1	7747.199971199	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7747.199971199	Sum of GTIs [s]
			ontime3	7747.199971199	Sum of GTIs [s]
			ontime6	7747.199971199	Sum of GTIs [s]
			ontime7	7747.199971199	Sum of GTIs [s]
			l1events	983803	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	155990	155239	160741	161532	164553	185748	grade 0 events	48876	48942	50553	50532	50554	24417
rejected events	65721	64465	69282	70164	70132	63049		31%	31%	31%	31%	30%	13%
rejected %	42%	41%	43%	43%	42%	33%	grade 1 events	323	302	349	386	333	165
								0%	0%	0%	0%	0%	0%
							grade 2 events	16358	16765	15829	15799	16583	26611
								10%	10%	9%	9%	10%	14%
							grade 3 events	6186	5999	6253	6335	6144	11720
								3%	3%	3%	3%	3%	6%
							grade 4 events	5922	5913	6190	6348	6129	11505
								3%	3%	3%	3%	3%	6%
							grade 5 events	3649	3834	3397	4131	4165	10189
								2%	2%	2%	2%	2%	5%
							grade 6 events	13465	13751	13154	12930	15573	49267
								8%	8%	8%	8%	9%	26%
							grade 7 events	61211	59733	65016	65071	65072	51874
								39%	38%	40%	40%	39%	27%

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	261.9754286404803	261.9754282994057
[deg] Pointing Dec	0.9851938856991306	0.9851936314767206
[deg] Pointing Roll	178.0385831994933	178.0385832184038
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	329664412.252675	329664412.252675
Observation start date	2008-06-12T13:56:00	2008-06-12T13:26:52
[s] Observation end time (MET)	329673929.18512	329673929.18512
Observation end date	2008-06-12T15:42:00	2008-06-12T16:05:29
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.747199971199

A.2 Comments