

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 59785 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 17 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

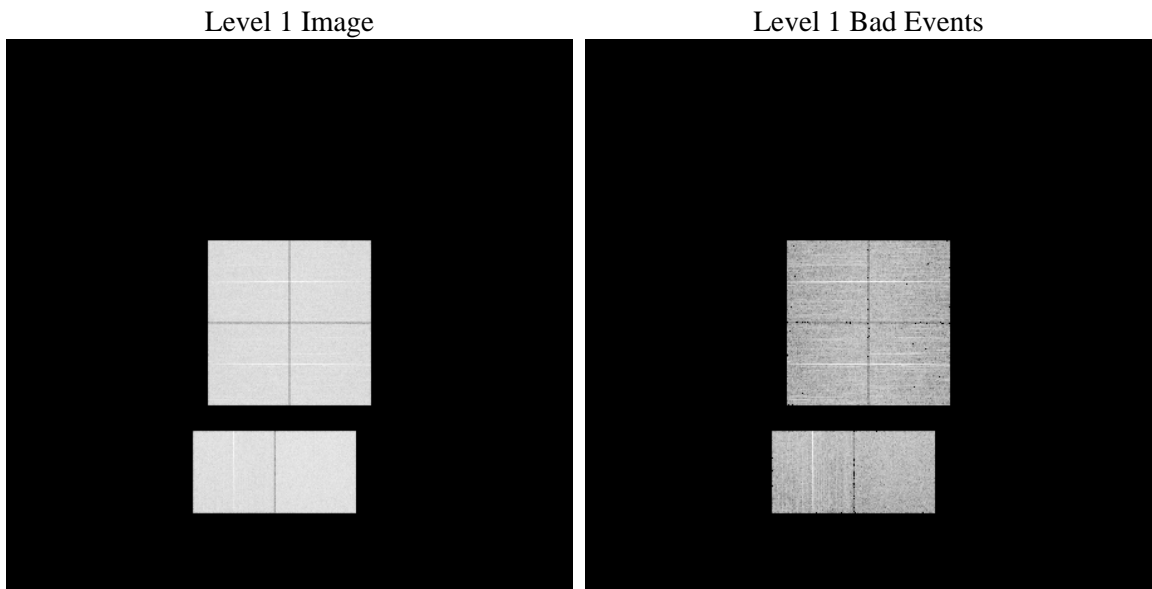
1 Front

seq_num	 	Sequence number
obs_id	59785	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	164.98387098125	Nominal RA [deg]
dec_nom	17.011549064216	Nominal Dec [deg]
roll_nom	128.0320443164	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7804.3356430829	Sum of GTIs [s]
livetime	7705.5124459634	Livetime [s]
ontime0	6909.8013275862	Sum of GTIs [s]
ontime1	7023.1940091252	Sum of GTIs [s]
ontime2	6689.3333379626	Sum of GTIs [s]
ontime3	6832.0451936722	Sum of GTIs [s]
ontime6	7168.9555722475	Sum of GTIs [s]
ontime7	7804.3356430829	Sum of GTIs [s]
l2events	1063031	Number of level 2 events

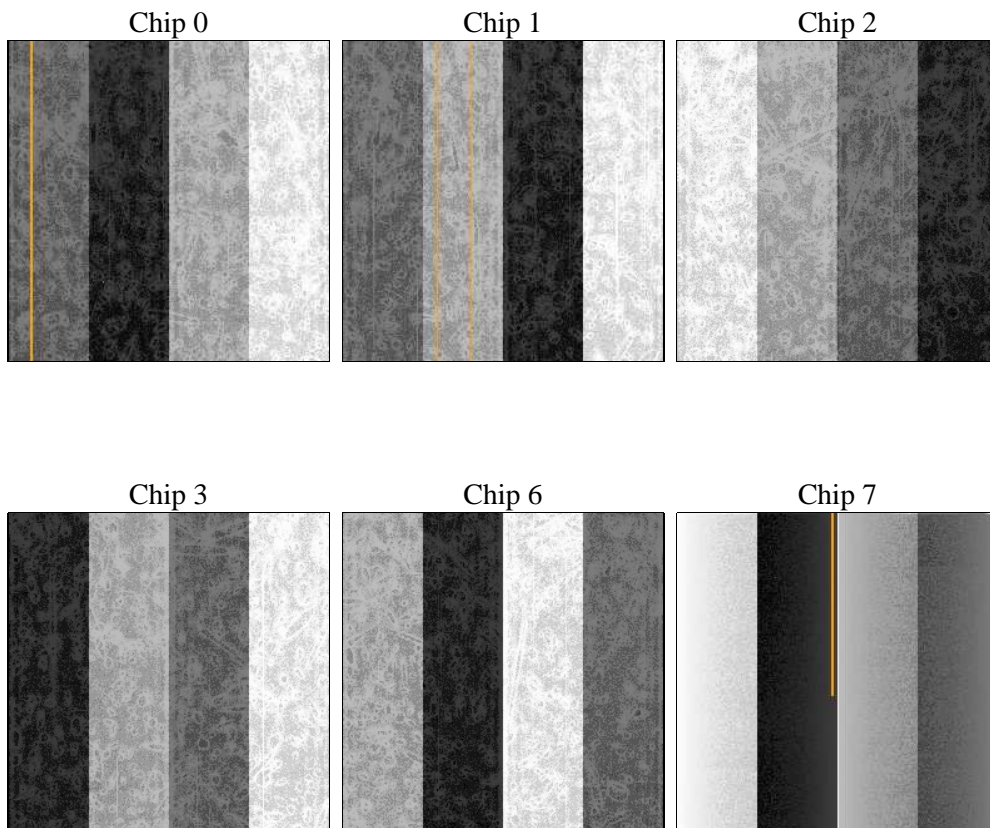
2 OBI

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	8.5.1	Processing system revision	ontime	7804.3356430829	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	6909.8013275862	Sum of GTIs [s]
date	2012-12-17T22:50:55	Date and time of file creation	ontime1	7023.1940091252	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6689.3333379626	Sum of GTIs [s]
			ontime3	6832.0451936722	Sum of GTIs [s]
			ontime6	7168.9555722475	Sum of GTIs [s]
			ontime7	7804.3356430829	Sum of GTIs [s]
			l1events	1408275	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	223246	225708	220829	226409	243496	268587	grade 0 events	97109	97411	96681	99072	103724	52711
rejected events	46714	47104	48334	49876	51811	47175		43%	43%	43%	43%	42%	19%
rejected %	20%	20%	21%	22%	21%	17%	grade 1 events	546	484	562	563	483	189
								0%	0%	0%	0%	0%	0%
							grade 2 events	30903	32044	29083	30103	33315	48382
								13%	14%	13%	13%	13%	18%
							grade 3 events	11317	11456	11255	11583	12099	22020
								5%	5%	5%	5%	4%	8%
							grade 4 events	11441	11419	11232	11531	11978	21773
								5%	5%	5%	5%	4%	8%
							grade 5 events	3015	3020	2752	3254	3482	8284
								1%	1%	1%	1%	1%	3%
							grade 6 events	25762	26274	24244	24244	30569	76526
								11%	11%	10%	10%	12%	28%
							grade 7 events	43153	43600	45020	46059	47846	38702
								19%	19%	20%	20%	19%	14%

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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	164.9838709812477	Alternating exposures requested	N	N
[deg] Pointing Dec	0	17.01154906421577	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	128.0320443163963			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	225486291.693038	225486290.66804			
Observation start date	2005-02-22T19:04:52	2005-02-22T19:04:50			
[s] Observation end time (MET)	225499881.143653	225499880.11865			
Observation end date	2005-02-22T22:51:21	2005-02-22T22:51:20			
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)	2013.01.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8043356430829

A.2 Comments