

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 59006 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Mar 30 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

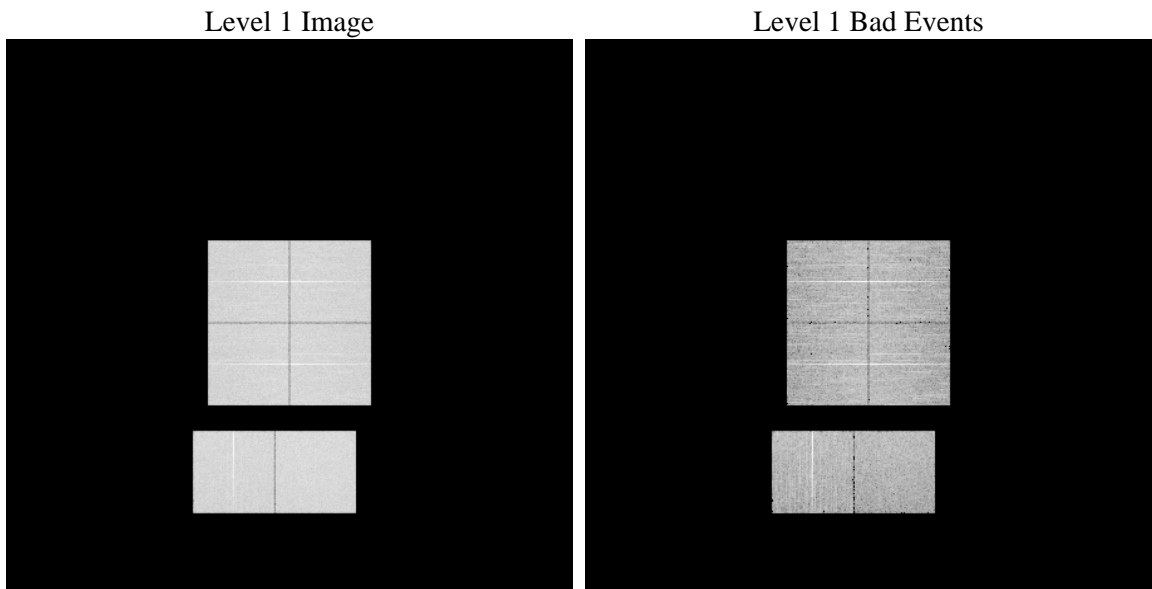
1 Front

seq_num	 	Sequence number
obs_id	59006	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	203.03024462311	Nominal RA [deg]
dec_nom	-20.002866855471	Nominal Dec [deg]
roll_nom	321.59335602248	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6927.9999741912	Sum of GTIs [s]
livetime	6840.2734669772	Livetime [s]
ontime0	6927.9999741912	Sum of GTIs [s]
ontime1	6927.9597593546	Sum of GTIs [s]
ontime2	6927.9187193513	Sum of GTIs [s]
ontime3	6927.9999741912	Sum of GTIs [s]
ontime6	6927.8776793778	Sum of GTIs [s]
ontime7	6927.9999741912	Sum of GTIs [s]
l2events	796080	Number of level 2 events

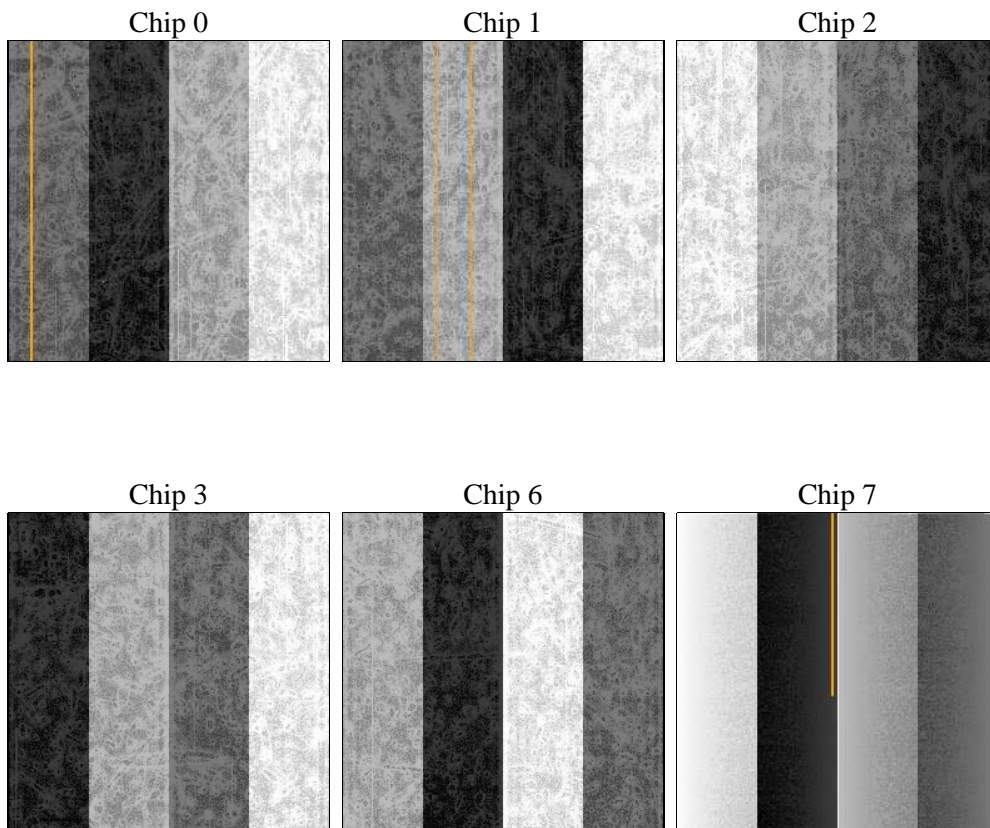
2 OBI

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	8.4.3.1	Processing system revision	ontime	6927.9999741912	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	6927.9999741912	Sum of GTIs [s]
date	2012-03-30T18:51:44	Date and time of file creation	ontime1	6927.9597593546	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	6927.9187193513	Sum of GTIs [s]
			ontime3	6927.9999741912	Sum of GTIs [s]
			ontime6	6927.8776793778	Sum of GTIs [s]
			ontime7	6927.9999741912	Sum of GTIs [s]
			l1events	1177561	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	190680	190867	192843	193284	200007	209880	grade 0 events	72686	72434	75360	75467	75551	36353
rejected events	57868	57304	57495	57834	59495	49186		38%	37%	39%	39%	37%	17%
rejected %	30%	30%	29%	29%	29%	23%	grade 1 events	496	400	510	528	451	134
								0%	0%	0%	0%	0%	0%
							grade 2 events	23331	24070	23017	23145	24240	35089
								12%	12%	11%	11%	12%	16%
							grade 3 events	8694	8467	8837	9058	9021	15759
								4%	4%	4%	4%	4%	7%
							grade 4 events	8765	8664	8995	8826	9024	15819
								4%	4%	4%	4%	4%	7%
							grade 5 events	3253	3317	3094	3594	3648	8583
								1%	1%	1%	1%	1%	4%
							grade 6 events	19336	19928	19139	18954	22676	57674
								10%	10%	9%	9%	11%	27%
							grade 7 events	54119	53587	53891	53712	55396	40469
								28%	28%	27%	27%	27%	19%

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	203.030244623114	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-20.00286685547088	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	321.5933560224776			
[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)	262040392.773597	262040391.74859			
Observation start date	2006-04-21T20:59:53	2006-04-21T20:59:51			
[s] Observation end time (MET)	262052260.224151	262052259.19914			
Observation end date	2006-04-22T00:17:40	2006-04-22T00:17:39			
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)	2012.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.9279999741912

A.2 Comments