

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60690 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 29 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

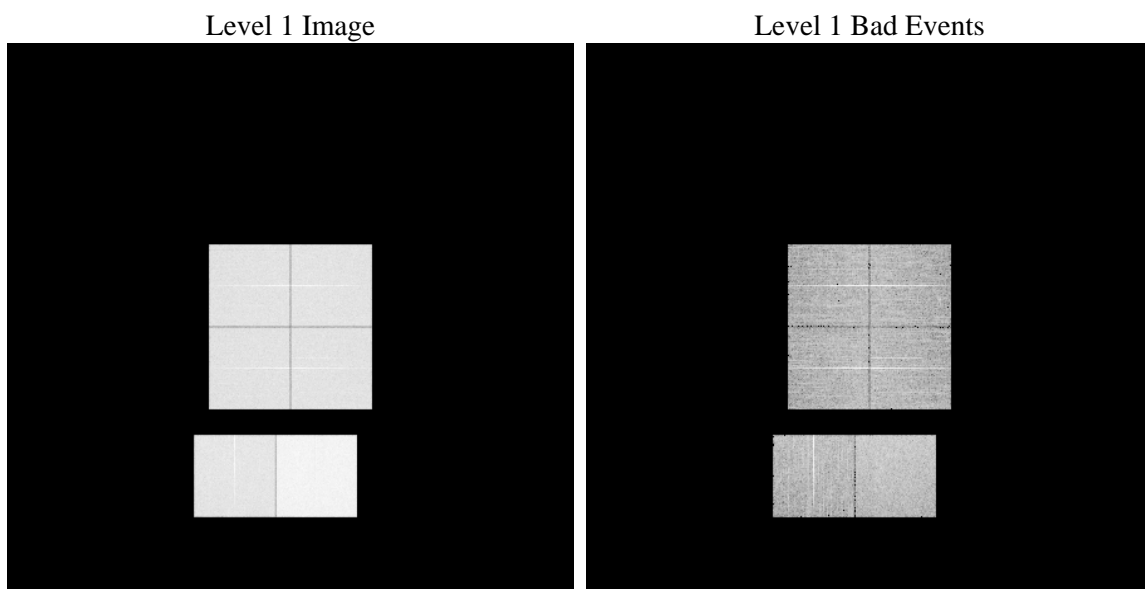
1 Front

seq_num	 	Sequence number
obs_id	60690	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	299.96548648176	Nominal RA [deg]
dec_nom	34.00082414687	Nominal Dec [deg]
roll_nom	145.50772446956	Nominal Roll [deg]
revision	3	Processing version of data
ontime	12207.822721153	Sum of GTIs [s]
livetime	12053.23991919	Livetime [s]
ontime0	6986.5798185468	Sum of GTIs [s]
ontime1	7169.143417418	Sum of GTIs [s]
ontime2	6749.9050666094	Sum of GTIs [s]
ontime3	6866.7458699346	Sum of GTIs [s]
ontime6	7333.2423785329	Sum of GTIs [s]
ontime7	12207.822721153	Sum of GTIs [s]
l2events	1832479	Number of level 2 events

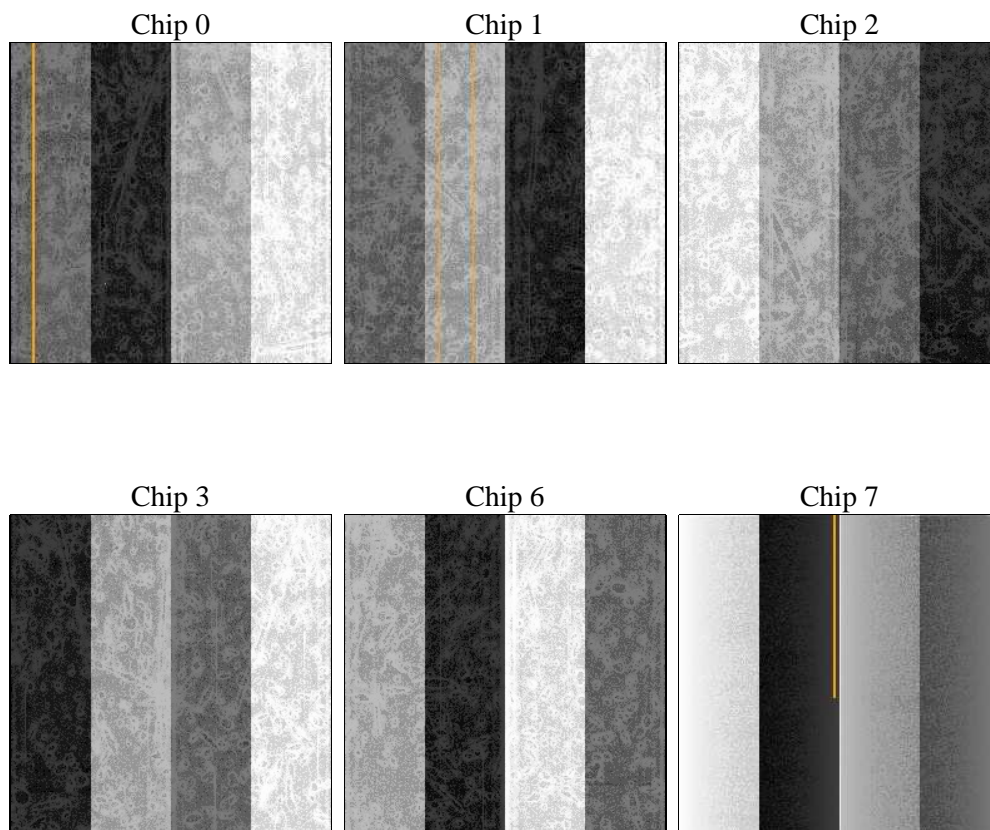
2 OBI

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	8.4.5	Processing system revision	ontime	12207.822721153	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	6986.5798185468	Sum of GTIs [s]
date	2012-10-29T19:24:46	Date and time of file creation	ontime1	7169.143417418	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6749.9050666094	Sum of GTIs [s]
			ontime3	6866.7458699346	Sum of GTIs [s]
			ontime6	7333.2423785329	Sum of GTIs [s]
			ontime7	12207.822721153	Sum of GTIs [s]
			l1events	2212044	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	319621	328224	315907	322066	354456	571770	grade 0 events	151662	155241	151315	153848	164896	128710
rejected events	44801	44817	46006	47434	49693	62256		47%	47%	47%	47%	46%	22%
rejected %	14%	13%	14%	14%	14%	10%	grade 1 events	794	726	843	877	804	339
								0%	0%	0%	0%	0%	0%
							grade 2 events	47702	50435	45680	47015	52865	112144
								14%	15%	14%	14%	14%	19%
							grade 3 events	17730	17846	17405	17820	18821	51266
								5%	5%	5%	5%	5%	8%
							grade 4 events	17585	17946	17617	17880	18946	50850
								5%	5%	5%	5%	5%	8%
							grade 5 events	3114	3190	2886	3295	3492	11985
								0%	0%	0%	1%	0%	2%
							grade 6 events	40141	41939	37884	38069	49235	166544
								12%	12%	11%	11%	13%	29%
							grade 7 events	40893	40901	42277	43262	45397	49932
								12%	12%	13%	13%	12%	8%

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	299.9654864817649	Alternating exposures requested	N	N
[deg] Pointing Dec	0	34.00082414687025	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	145.5077244695643			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	172246641.352371	172246640.32764			
Observation start date	2003-06-17T14:17:21	2003-06-17T14:17:20			
[s] Observation end time (MET)	172281278.153845	172281277.12911			
Observation end date	2003-06-17T23:54:38	2003-06-17T23:54:37			
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)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.207822721153

A.2 Comments