

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61775 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Sep 6 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

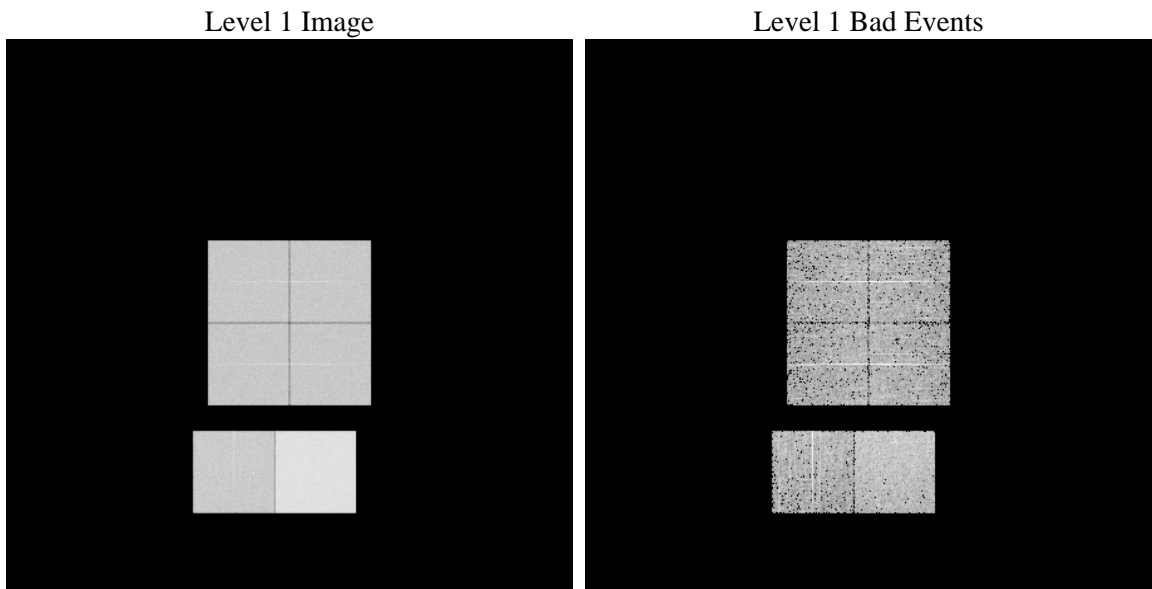
1 Front

seq_num	 	Sequence number
obs_id	61775	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	353.96179146405	Nominal RA [deg]
dec_nom	32.409822399187	Nominal Dec [deg]
roll_nom	306.6461131807	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5791.2894290686	Sum of GTIs [s]
livetime	5717.9566352219	Livetime [s]
ontime0	2491.9201213717	Sum of GTIs [s]
ontime1	2456.2276313901	Sum of GTIs [s]
ontime2	2408.0905305594	Sum of GTIs [s]
ontime3	2401.253061682	Sum of GTIs [s]
ontime6	2608.4742317498	Sum of GTIs [s]
ontime7	5791.2894290686	Sum of GTIs [s]
l2events	1251364	Number of level 2 events

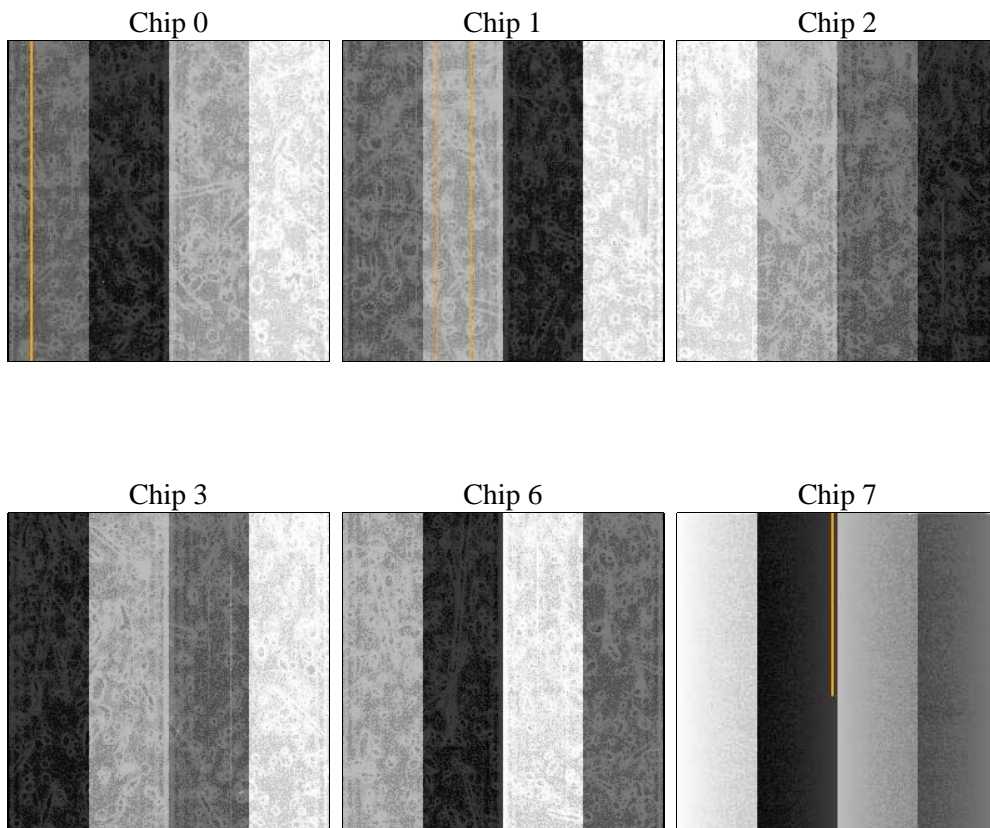
2 OBI

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	5791.2894290686	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	2491.9201213717	Sum of GTIs [s]
date	2012-09-06T16:53:42	Date and time of file creation	ontime1	2456.2276313901	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	2408.0905305594	Sum of GTIs [s]
			ontime3	2401.253061682	Sum of GTIs [s]
			ontime6	2608.4742317498	Sum of GTIs [s]
			ontime7	5791.2894290686	Sum of GTIs [s]
			l1events	1428141	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	193707	191897	189574	190591	213245	449127	grade 0 events	97295	95659	95899	96196	105773	108113
rejected events	17693	18905	17953	19160	20193	28934		50%	49%	50%	50%	49%	24%
rejected %	9%	9%	9%	10%	9%	6%	grade 1 events	493	473	479	506	526	284
								0%	0%	0%	0%	0%	0%
							grade 2 events	31053	30664	29825	30066	33326	93414
								16%	15%	15%	15%	15%	20%
							grade 3 events	11067	10776	10765	10756	11889	42708
								5%	5%	5%	5%	5%	9%
							grade 4 events	11117	10976	10917	10844	11712	42693
								5%	5%	5%	5%	5%	9%
							grade 5 events	1432	1367	1330	1413	1605	6495
								0%	0%	0%	0%	0%	1%
							grade 6 events	25482	24917	24215	23569	30352	133265
								13%	12%	12%	12%	14%	29%
							grade 7 events	15768	17065	16144	17241	18062	22155
								8%	8%	8%	9%	8%	4%

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	0	353.9617914640542
[deg] Pointing Dec	0	32.40982239918684
[deg] Pointing Roll	0.0	306.6461131807005
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-233.592463	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	95941646.65507101	95941645.886611
Observation start date	2001-01-15T10:27:27	2001-01-15T10:27:25
[s] Observation end time (MET)	95953952.80554301	95953952.037083
Observation end date	2001-01-15T13:52:33	2001-01-15T13:52:32
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.7912894290686

A.2 Comments