

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61373 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Sep 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

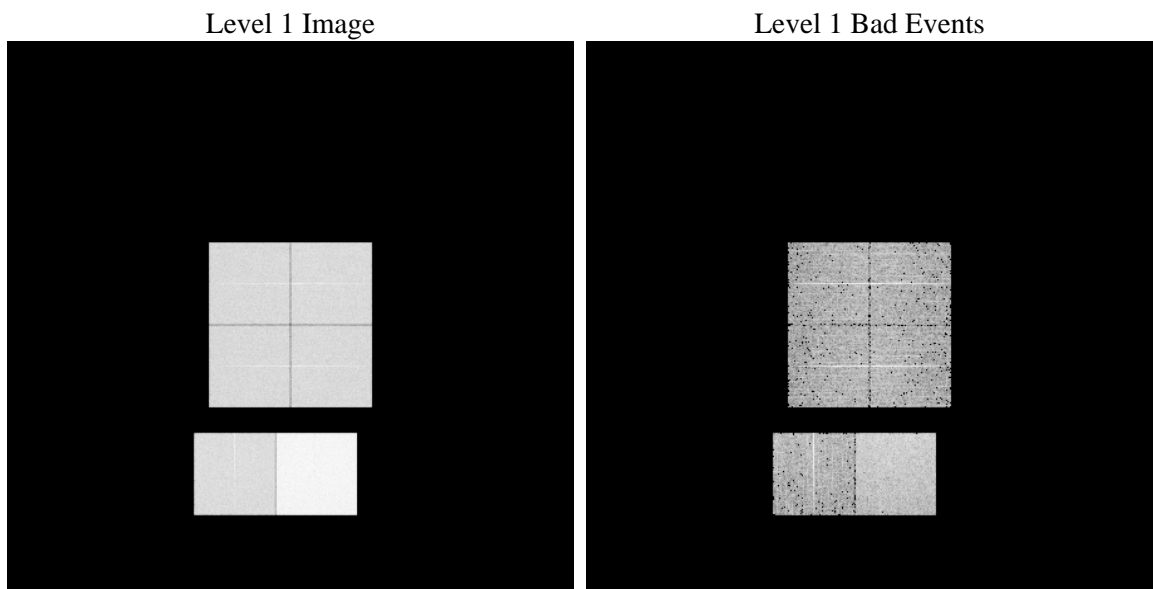
1 Front

seq_num	 	Sequence number
obs_id	61373	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	143.01095635357	Nominal RA [deg]
dec_nom	-59.971909755652	Nominal Dec [deg]
roll_nom	46.230193605009	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8219.8988322616	Sum of GTIs [s]
livetime	8115.8135238186	Livetime [s]
ontime0	3128.3263897151	Sum of GTIs [s]
ontime1	3287.1362226009	Sum of GTIs [s]
ontime2	3052.6007018834	Sum of GTIs [s]
ontime3	3075.1238715947	Sum of GTIs [s]
ontime6	3324.8871378899	Sum of GTIs [s]
ontime7	8219.8988322616	Sum of GTIs [s]
l2events	1316121	Number of level 2 events

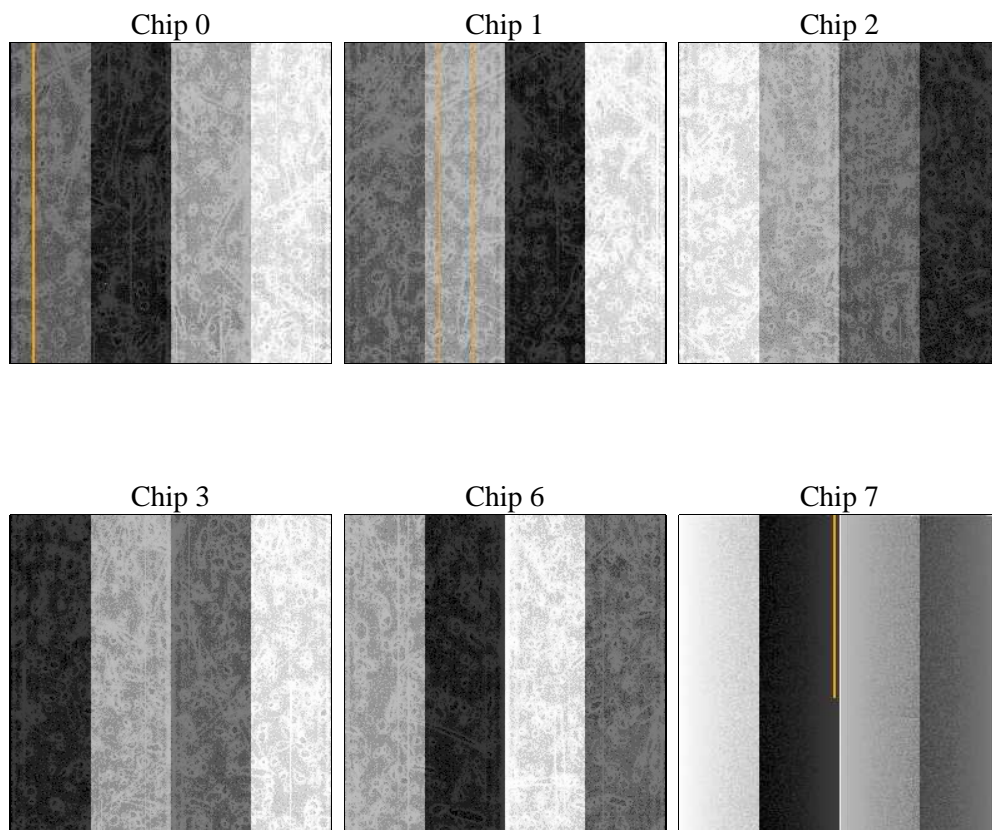
2 OBI

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	8219.8988322616	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	3128.3263897151	Sum of GTIs [s]
date	2012-09-29T14:43:37	Date and time of file creation	ontime1	3287.1362226009	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3052.6007018834	Sum of GTIs [s]
			ontime3	3075.1238715947	Sum of GTIs [s]
			ontime6	3324.8871378899	Sum of GTIs [s]
			ontime7	8219.8988322616	Sum of GTIs [s]
			l1events	1539221	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	197256	206273	194721	197798	220373	522800	grade 0 events	95949	100132	95375	96434	106300	121642
rejected events	23685	24192	23617	25021	25672	46163		48%	48%	48%	48%	48%	23%
rejected %	12%	11%	12%	12%	11%	8%	grade 1 events	497	521	534	523	572	319
								0%	0%	0%	0%	0%	0%
							grade 2 events	30755	32401	30119	30482	33786	105364
								15%	15%	15%	15%	15%	20%
							grade 3 events	11219	11612	10708	10990	11953	48810
								5%	5%	5%	5%	5%	9%
							grade 4 events	10910	11678	10590	10975	12009	48197
								5%	5%	5%	5%	5%	9%
							grade 5 events	1606	1743	1603	1656	1984	9204
								0%	0%	0%	0%	0%	1%
							grade 6 events	25464	26548	24312	24025	30970	154047
								12%	12%	12%	12%	14%	29%
							grade 7 events	20856	21638	21480	22713	22799	35217
								10%	10%	11%	11%	10%	6%

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	143.0109563535677	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-59.9719097556524	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	46.23019360500923			
[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)	125451244.061559	125451243.29307			
Observation start date	2001-12-22T23:34:04	2001-12-22T23:34:03			
[s] Observation end time (MET)	125473919.112469	125473918.34398			
Observation end date	2001-12-23T05:51:59	2001-12-23T05:51:58			
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)	2012.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2198988322616

A.2 Comments