

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61546 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Sep 20 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

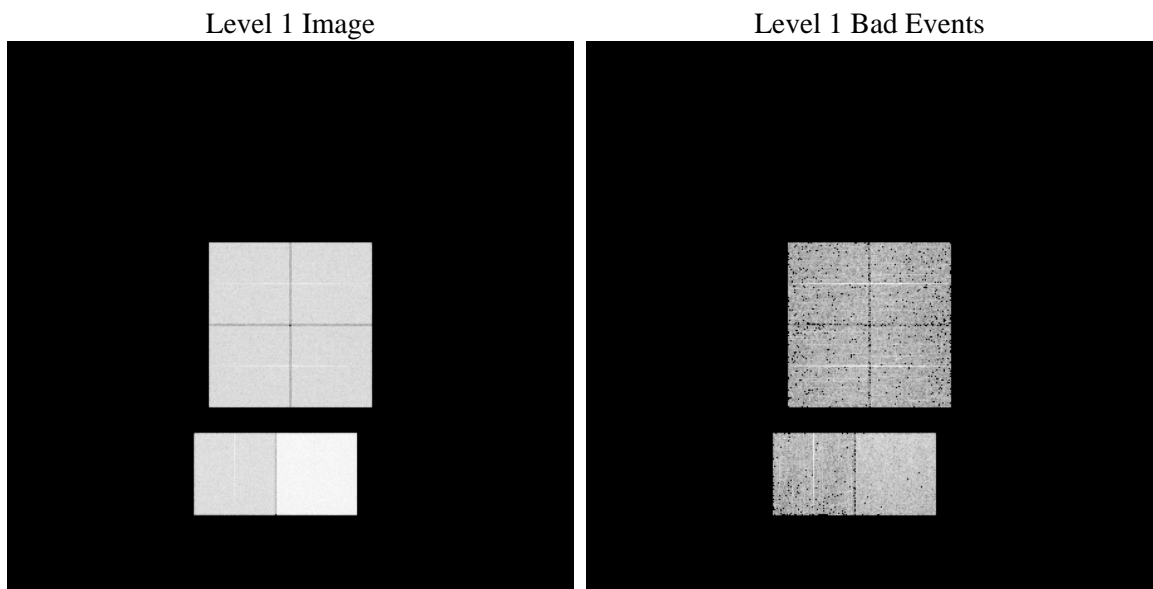
1 Front

seq_num	 	Sequence number
obs_id	61546	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	240.00527249229	Nominal RA [deg]
dec_nom	-5.0282278670522	Nominal Dec [deg]
roll_nom	247.92212264005	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6821.9478343427	Sum of GTIs [s]
livetime	6735.5642231804	Livetime [s]
ontime0	2679.9223922193	Sum of GTIs [s]
ontime1	2699.7839520574	Sum of GTIs [s]
ontime2	2579.8657812625	Sum of GTIs [s]
ontime3	2563.6604317874	Sum of GTIs [s]
ontime6	2842.3894327581	Sum of GTIs [s]
ontime7	6821.9478343427	Sum of GTIs [s]
l2events	1229592	Number of level 2 events

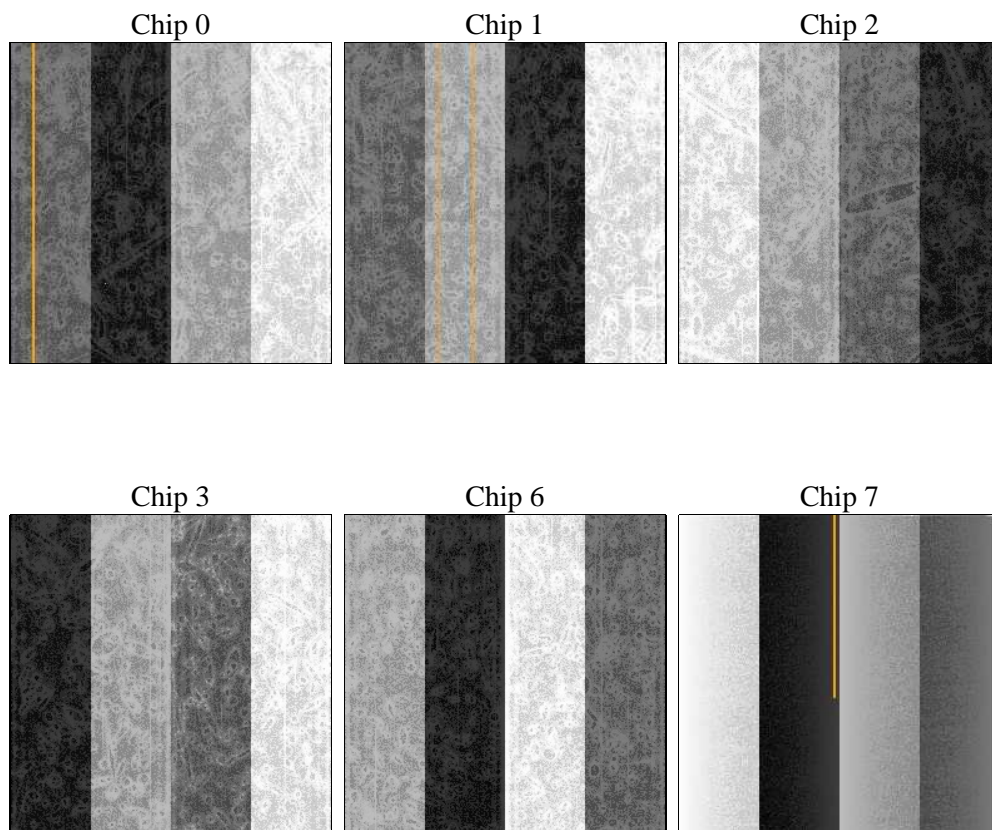
2 OBI

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	6821.9478343427	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime0	2679.9223922193	Sum of GTIs [s]
date	2012-09-20T22:32:20	Date and time of file creation	ontime1	2699.7839520574	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2579.8657812625	Sum of GTIs [s]
			ontime3	2563.6604317874	Sum of GTIs [s]
			ontime6	2842.3894327581	Sum of GTIs [s]
			ontime7	6821.9478343427	Sum of GTIs [s]
			l1events	1426190	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	185744	188231	183367	182239	207966	478643	grade 0 events	91501	91973	89826	90144	100440	113212
rejected events	20453	21089	21908	20998	23299	37637		49%	48%	48%	49%	48%	23%
rejected %	11%	11%	11%	11%	11%	7%	grade 1 events	509	522	493	492	532	314
								0%	0%	0%	0%	0%	0%
							grade 2 events	29049	29506	28427	28388	32227	97428
								15%	15%	15%	15%	15%	20%
							grade 3 events	10460	10581	10178	10129	11493	45350
								5%	5%	5%	5%	5%	9%
							grade 4 events	10482	10683	10297	10359	11264	44612
								5%	5%	5%	5%	5%	9%
							grade 5 events	1457	1547	1430	1483	1763	7701
								0%	0%	0%	0%	0%	1%
							grade 6 events	23799	24399	22731	22221	29243	140404
								12%	12%	12%	12%	14%	29%
							grade 7 events	18487	19020	19985	19023	21004	29622
								9%	10%	10%	10%	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	240.0052724922874	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-5.028227867052156	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	247.9221226400496			
[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)	111706436.316	111706435.54788			
Observation start date	2001-07-16T21:33:56	2001-07-16T21:33:55			
[s] Observation end time (MET)	111717094.267	111717093.4983			
Observation end date	2001-07-17T00:31:34	2001-07-17T00:31:33			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.8219478343427

A.2 Comments