

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61746 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Sep 16 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

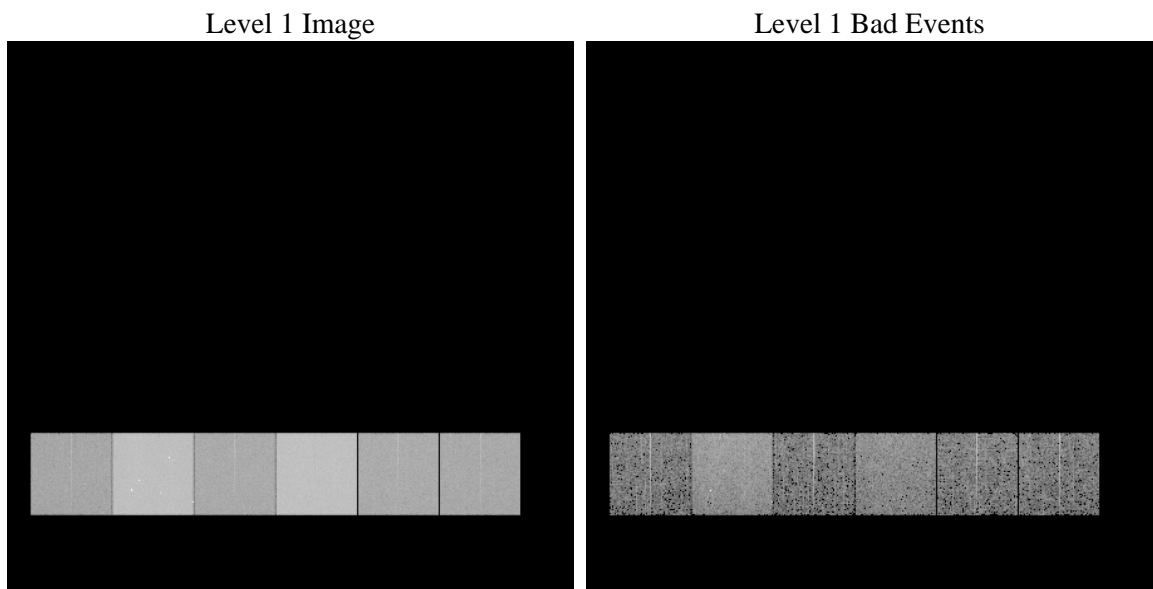
1 Front

seq_num	 	Sequence number
obs_id	61746	Observation id
title	ACIS-456789 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	69.023843953662	Nominal RA [deg]
dec_nom	56.974434674704	Nominal Dec [deg]
roll_nom	264.34288785166	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5377.37995857	Sum of GTIs [s]
livetime	5309.2883356651	Livetime [s]
ontime4	2175.1407358348	Sum of GTIs [s]
ontime5	5779.2182788551	Sum of GTIs [s]
ontime6	2382.6081060469	Sum of GTIs [s]
ontime7	5377.37995857	Sum of GTIs [s]
ontime8	2434.0188106894	Sum of GTIs [s]
ontime9	2314.1005602628	Sum of GTIs [s]
l2events	1338865	Number of level 2 events

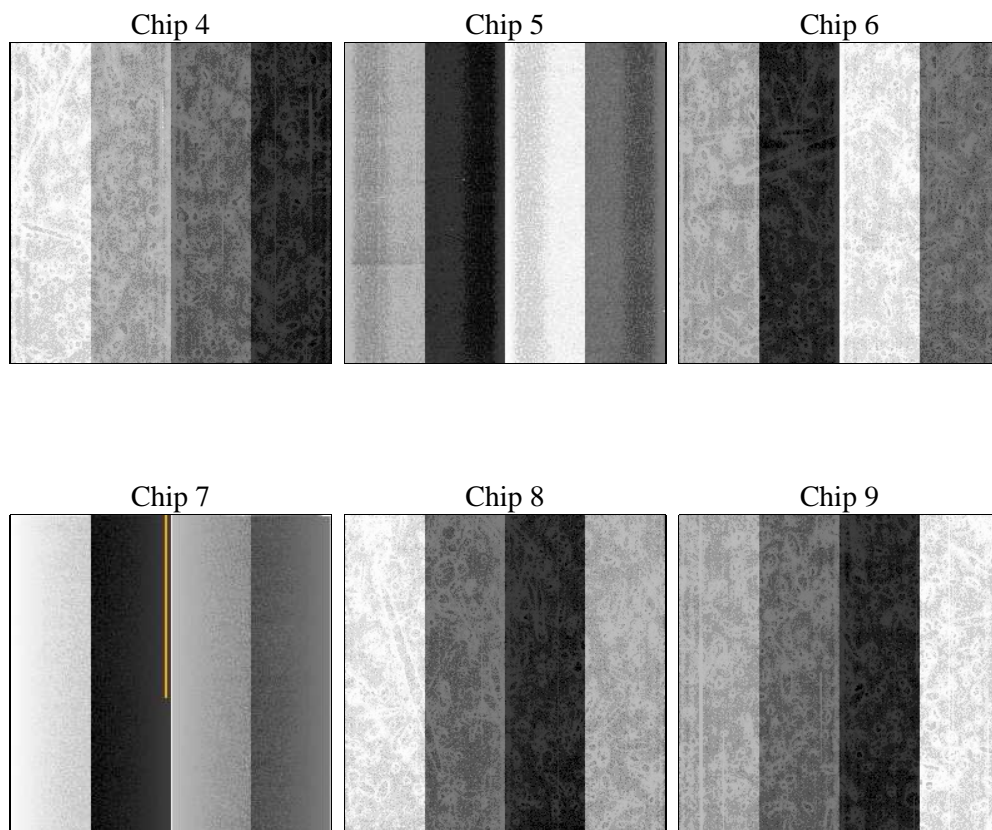
2 OBI

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	5377.37995857	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	2175.1407358348	Sum of GTIs [s]
date	2012-09-16T08:07:57	Date and time of file creation	ontime5	5779.2182788551	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	2382.6081060469	Sum of GTIs [s]
			ontime7	5377.37995857	Sum of GTIs [s]
			ontime8	2434.0188106894	Sum of GTIs [s]
			ontime9	2314.1005602628	Sum of GTIs [s]
			l1events	1546185	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	165001	400492	191050	412896	196696	180050	grade 0 events	82662	90263	94279	99140	97319	88973
rejected events	18960	42609	18647	27854	20562	18615		50%	22%	49%	24%	49%	49%
rejected %	11%	10%	9%	6%	10%	10%	grade 1 events	433	467	440	266	492	472
								0%	0%	0%	0%	0%	0%
							grade 2 events	26145	126285	30005	85544	31077	28330
								15%	31%	15%	20%	15%	15%
							grade 3 events	8959	23266	10585	39561	11060	9949
								5%	5%	5%	9%	5%	5%
							grade 4 events	8844	23217	10799	39241	10882	9902
								5%	5%	5%	9%	5%	5%
							grade 5 events	1193	8239	1473	6036	1561	1472
								0%	2%	0%	1%	0%	0%
							grade 6 events	19656	95075	26964	121799	25796	24281
								11%	23%	14%	29%	13%	13%
							grade 7 events	17109	33680	16505	21309	18509	16671
								10%	8%	8%	5%	9%	9%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	69.02384395366182	Alternating exposures requested	N	N
[deg] Pointing Dec	0	56.97443467470379	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	264.3428878516587			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	98035951.336	98035950.567201			
Observation start date	2001-02-08T16:12:31	2001-02-08T16:12:30			
[s] Observation end time (MET)	98057261.086	98057260.318022			
Observation end date	2001-02-08T22:07:41	2001-02-08T22:07:40			
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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.37737995857

A.2 Comments