

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 58733 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 11 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

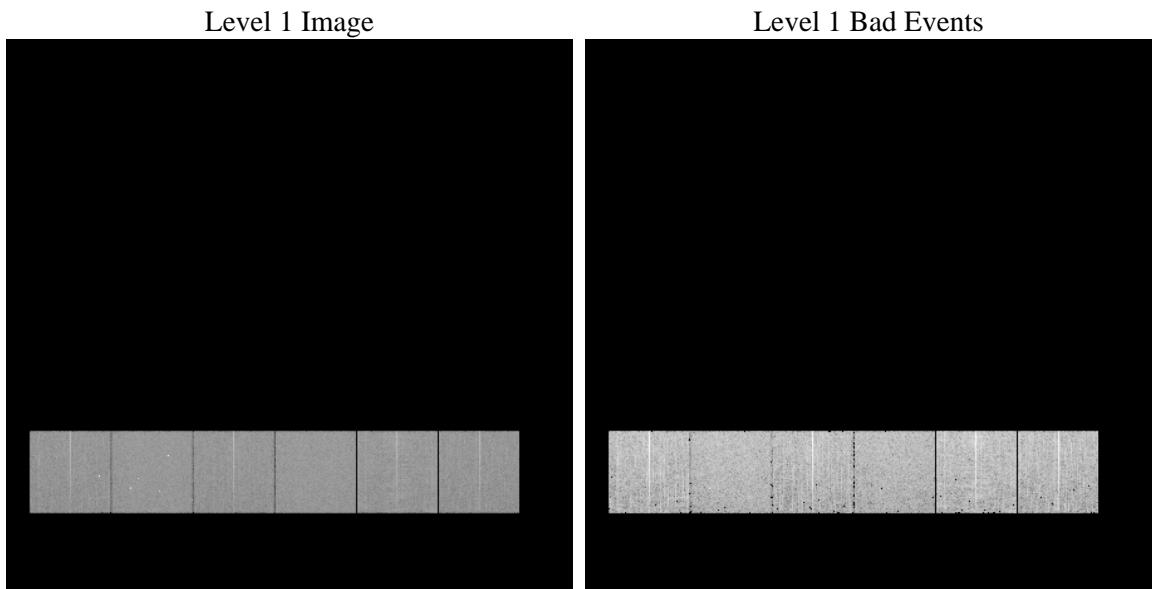
1 Front

seq_num	 	Sequence number
obs_id	58733	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	359.99962885827	Nominal RA [deg]
dec_nom	27.371389193237	Nominal Dec [deg]
roll_nom	236.41182146854	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4632.1906374097	Sum of GTIs [s]
livetime	4573.5350503885	Livetime [s]
ontime4	4632.0675173998	Sum of GTIs [s]
ontime5	4632.1495974064	Sum of GTIs [s]
ontime6	4632.1085574031	Sum of GTIs [s]
ontime7	4632.1906374097	Sum of GTIs [s]
ontime8	4632.0264773965	Sum of GTIs [s]
ontime9	4632.231677413	Sum of GTIs [s]
l2events	483465	Number of level 2 events

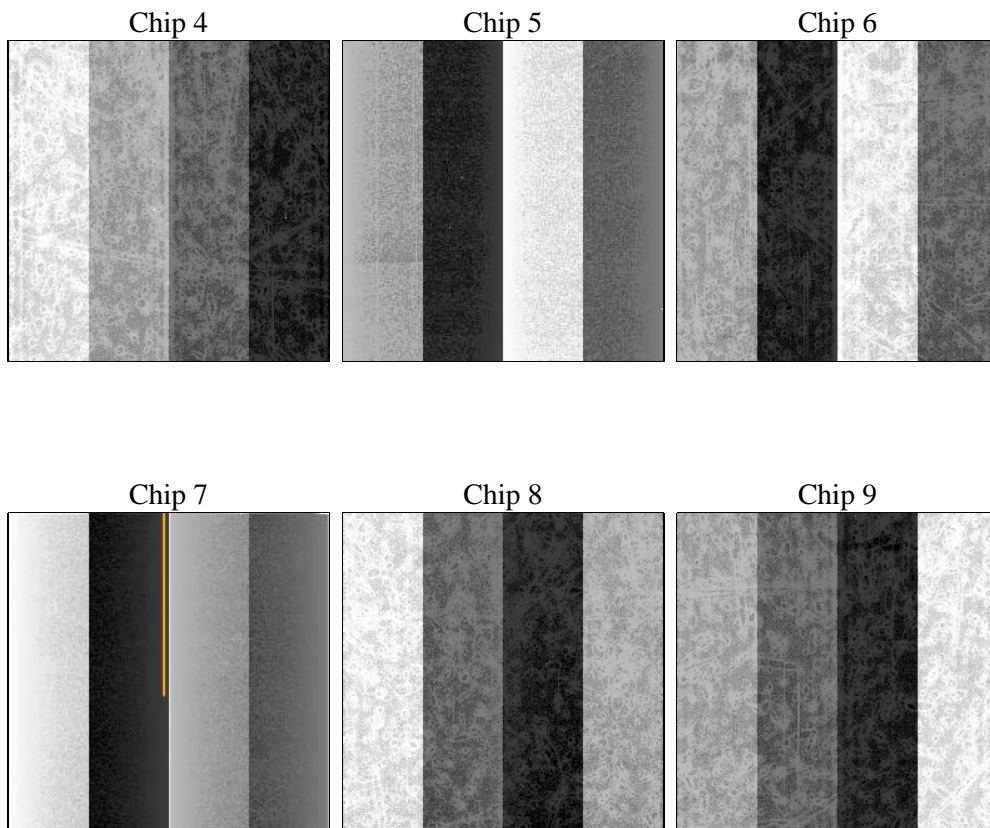
2 OBI

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	8.4.3.1	Processing system revision	ontime	4632.1906374097	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	4632.0675173998	Sum of GTIs [s]
date	2012-04-11T18:24:16	Date and time of file creation	ontime5	4632.1495974064	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4632.1085574031	Sum of GTIs [s]
			ontime7	4632.1906374097	Sum of GTIs [s]
			ontime8	4632.0264773965	Sum of GTIs [s]
			ontime9	4632.231677413	Sum of GTIs [s]
			l1events	778872	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	123814	133681	125190	135008	137380	123799	grade 0 events	45862	18154	45135	21654	47110	44268
rejected events	45723	40357	43019	37131	48836	43859		37%	13%	36%	16%	34%	35%
rejected %	36%	30%	34%	27%	35%	35%	grade 1 events	439	136	247	105	300	332
								0%	0%	0%	0%	0%	0%
							grade 2 events	12630	33986	14659	21985	16177	14087
								10%	25%	11%	16%	11%	11%
							grade 3 events	5404	4958	5236	9851	6312	5380
								4%	3%	4%	7%	4%	4%
							grade 4 events	5434	4865	5273	9694	5999	5194
								4%	3%	4%	7%	4%	4%
							grade 5 events	2384	5749	2445	6032	3095	2694
								1%	4%	1%	4%	2%	2%
							grade 6 events	10146	33052	13368	36476	14618	12486
								8%	24%	10%	27%	10%	10%
							grade 7 events	41515	32781	38827	29211	43769	39358
								33%	24%	31%	21%	31%	31%

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	359.9996288582686	Alternating exposures requested	N	N
[deg] Pointing Dec	0	27.37138919323695	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	236.411821468542			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	277613507.553412	277613506.52843			
Observation start date	2006-10-19T02:51:48	2006-10-19T02:51:46			
[s] Observation end time (MET)	277632566.404309	277632565.37933			
Observation end date	2006-10-19T08:09:26	2006-10-19T08:09:25			
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)	2012.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.6321906374097

A.2 Comments