

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 59092 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Mar 27 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

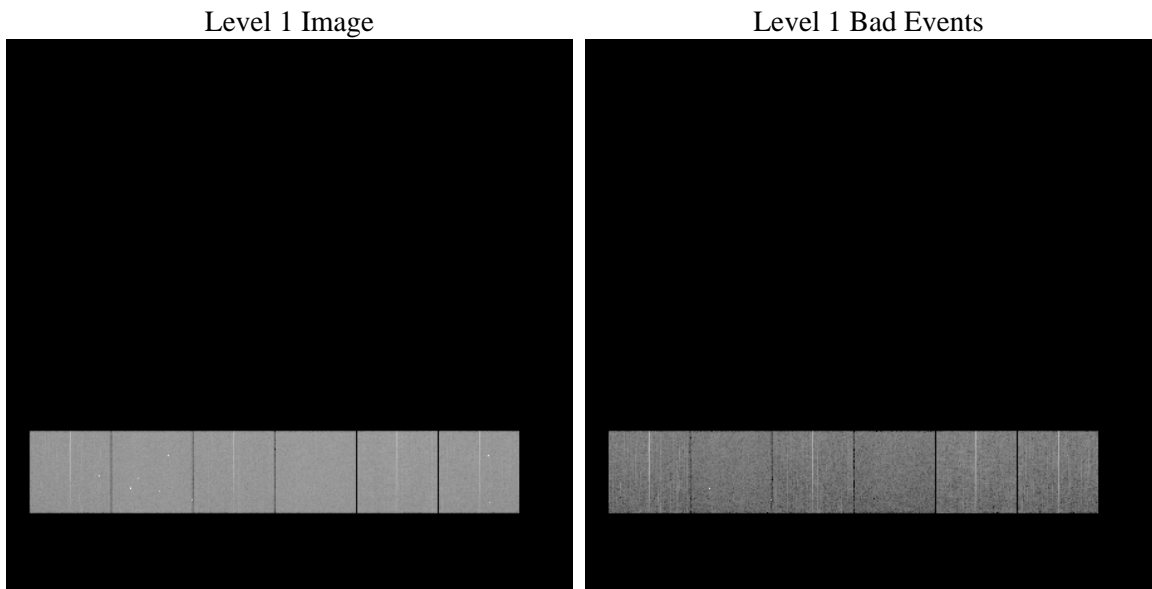
1 Front

seq_num	 	Sequence number
obs_id	59092	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	142.02802839258	Nominal RA [deg]
dec_nom	-11.508159757021	Nominal Dec [deg]
roll_nom	310.57456475697	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7791.9999709725	Sum of GTIs [s]
livetime	7693.332975561	Livetime [s]
ontime4	7791.9999709725	Sum of GTIs [s]
ontime5	7791.9999709725	Sum of GTIs [s]
ontime6	7791.9999709725	Sum of GTIs [s]
ontime7	7791.9999709725	Sum of GTIs [s]
ontime8	7788.7590005994	Sum of GTIs [s]
ontime9	7791.9999709725	Sum of GTIs [s]
l2events	928185	Number of level 2 events

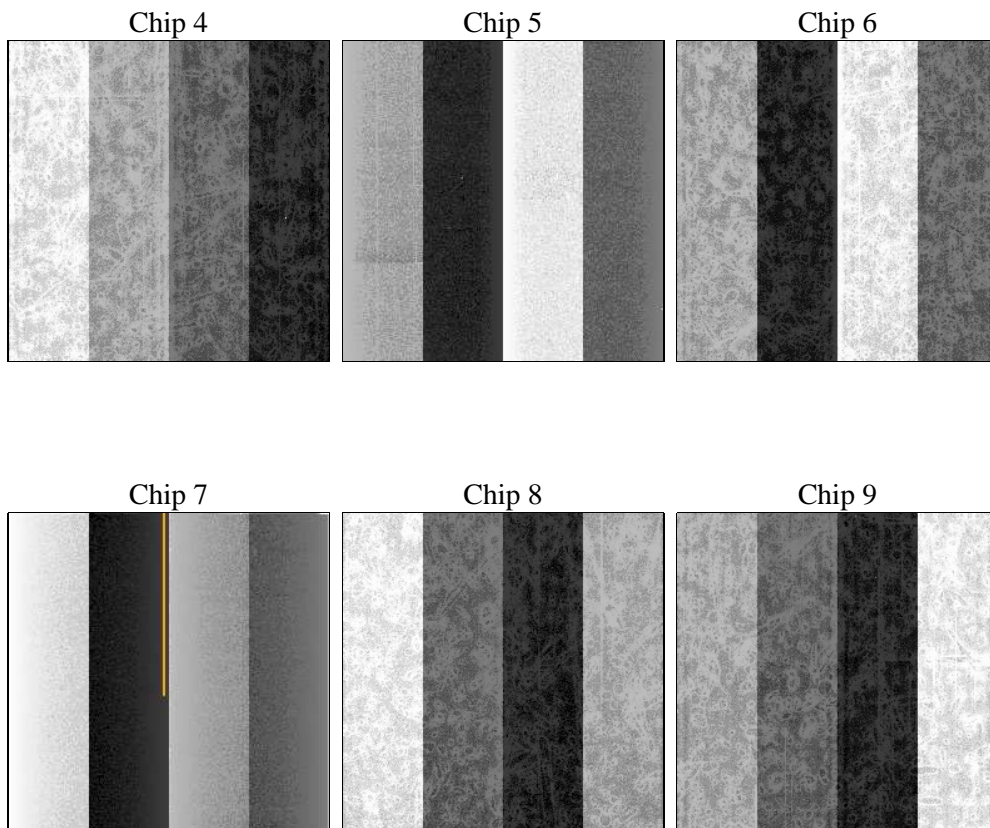
2 OBI

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	7791.9999709725	Sum of GTIs [s]
caldsver	4.4.8	 	ontime4	7791.9999709725	Sum of GTIs [s]
date	2012-03-27T04:14:07	Date and time of file creation	ontime5	7791.9999709725	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7791.9999709725	Sum of GTIs [s]
			ontime7	7791.9999709725	Sum of GTIs [s]
			ontime8	7788.7590005994	Sum of GTIs [s]
			ontime9	7791.9999709725	Sum of GTIs [s]
			l1events	1390266	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	220831	234402	227945	238433	243432	225223	grade 0 events	87574	34676	87969	41751	90555	86118
rejected events	69429	63150	64830	54454	72652	67370		39%	14%	38%	17%	37%	38%
rejected %	31%	26%	28%	22%	29%	29%	grade 1 events	753	397	503	168	564	650
								0%	0%	0%	0%	0%	0%
							grade 2 events	23945	61440	28423	40345	30736	27355
								10%	26%	12%	16%	12%	12%
							grade 3 events	10182	9485	10299	17982	11450	10350
								4%	4%	4%	7%	4%	4%
							grade 4 events	10395	9059	10345	17987	11207	10256
								4%	3%	4%	7%	4%	4%
							grade 5 events	3736	9825	3919	9373	4882	4269
								1%	4%	1%	3%	2%	1%
							grade 6 events	19370	56655	26143	66009	26894	23828
								8%	24%	11%	27%	11%	10%
							grade 7 events	64876	52865	60344	44818	67144	62397
								29%	22%	26%	18%	27%	27%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	142.028028392582
[deg] Pointing Dec	0	-11.50815975702131
[deg] Pointing Roll	0.0	310.5745647569657
[mm] SIM focus pos	-0.684267	-1.523540733526241
[mm] SIM defocus	0	0.009795905878055677
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	257694657.021306	257694655.9963
Observation start date	2006-03-02T13:50:57	2006-03-02T13:50:55
[s] Observation end time (MET)	257714468.222228	257714467.19722
Observation end date	2006-03-02T19:21:08	2006-03-02T19:21:07
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)	2012.03.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7919999709725

A.2 Comments