

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58091 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 5 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

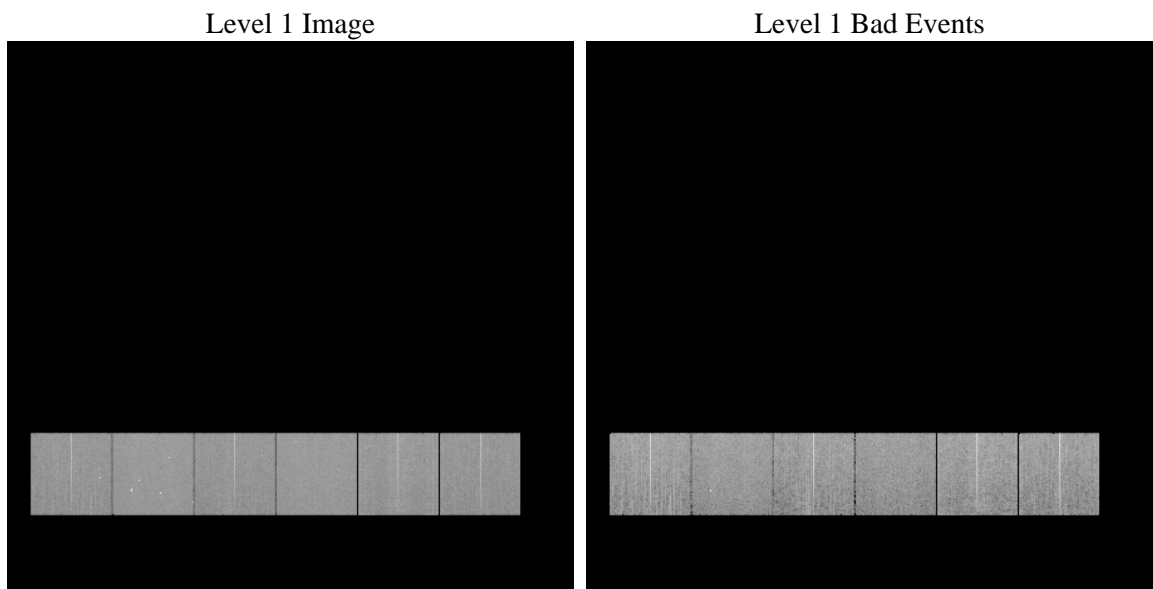
1 Front

seq_num	 	Sequence number
obs_id	58091	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	47.026108379092	Nominal RA [deg]
dec_nom	11.982677953154	Nominal Dec [deg]
roll_nom	291.05045349199	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8271.999969244	Sum of GTIs [s]
livetime	8167.254924833	Livetime [s]
ontime4	8271.999969244	Sum of GTIs [s]
ontime5	8271.999969244	Sum of GTIs [s]
ontime6	8271.999969244	Sum of GTIs [s]
ontime7	8271.999969244	Sum of GTIs [s]
ontime8	8271.999969244	Sum of GTIs [s]
ontime9	8271.999969244	Sum of GTIs [s]
l2events	684838	Number of level 2 events

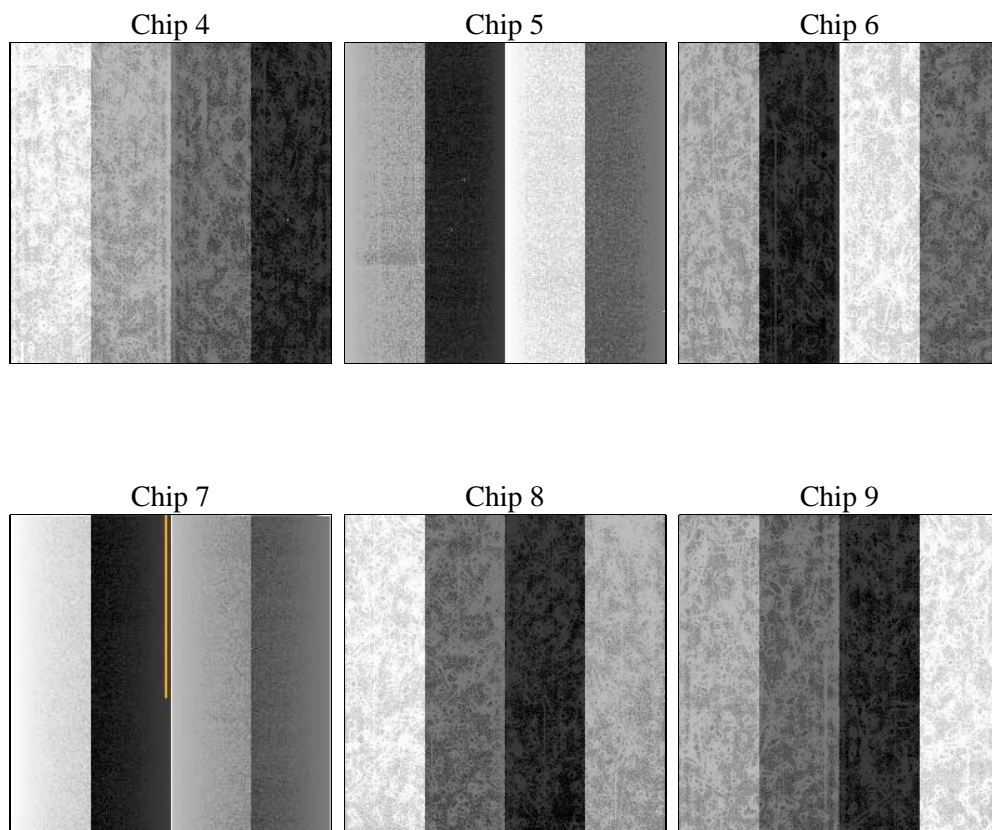
2 OBI

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	8.4.4	Processing system revision	ontime	8271.999969244	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8271.999969244	Sum of GTIs [s]
date	2012-05-06T00:40:15	Date and time of file creation	ontime5	8271.999969244	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8271.999969244	Sum of GTIs [s]
			ontime7	8271.999969244	Sum of GTIs [s]
			ontime8	8271.999969244	Sum of GTIs [s]
			ontime9	8271.999969244	Sum of GTIs [s]
			l1events	1207141	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	191088	217691	190011	212251	209292	186808	grade 0 events	61461	26049	60157	29408	64062	58666
rejected events	84011	73865	77041	67455	83714	77874		32%	11%	31%	13%	30%	31%
rejected %	43%	33%	40%	31%	39%	41%	grade 1 events	625	226	389	180	490	430
								0%	0%	0%	0%	0%	0%
							grade 2 events	16999	50902	19910	31467	23062	18946
								8%	23%	10%	14%	11%	10%
							grade 3 events	7438	7176	7224	13741	8699	7087
								3%	3%	3%	6%	4%	3%
							grade 4 events	7385	6767	7290	13577	8534	7251
								3%	3%	3%	6%	4%	3%
							grade 5 events	4319	10434	4496	11236	5595	4907
								2%	4%	2%	5%	2%	2%
							grade 6 events	13835	52991	18431	56652	21261	17029
								7%	24%	9%	26%	10%	9%
							grade 7 events	79026	63146	72114	55990	77589	72492
								41%	29%	37%	26%	37%	38%

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	47.02610837909165
[deg] Pointing Dec	0	11.98267795315412
[deg] Pointing Roll	0.0	291.0504534919902
[mm] SIM focus pos	-0.684267	-1.038866356238299
[mm] SIM defocus	0	0.4944702831659975
[mm] SIM translation stage pos	-190.132523	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	313480264.166102	313480263.1411
Observation start date	2007-12-08T05:51:04	2007-12-08T05:51:03
[s] Observation end time (MET)	313503695.667235	313503694.64223
Observation end date	2007-12-08T12:21:36	2007-12-08T12:21:34
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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.271999969244

A.2 Comments