

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58103 - 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

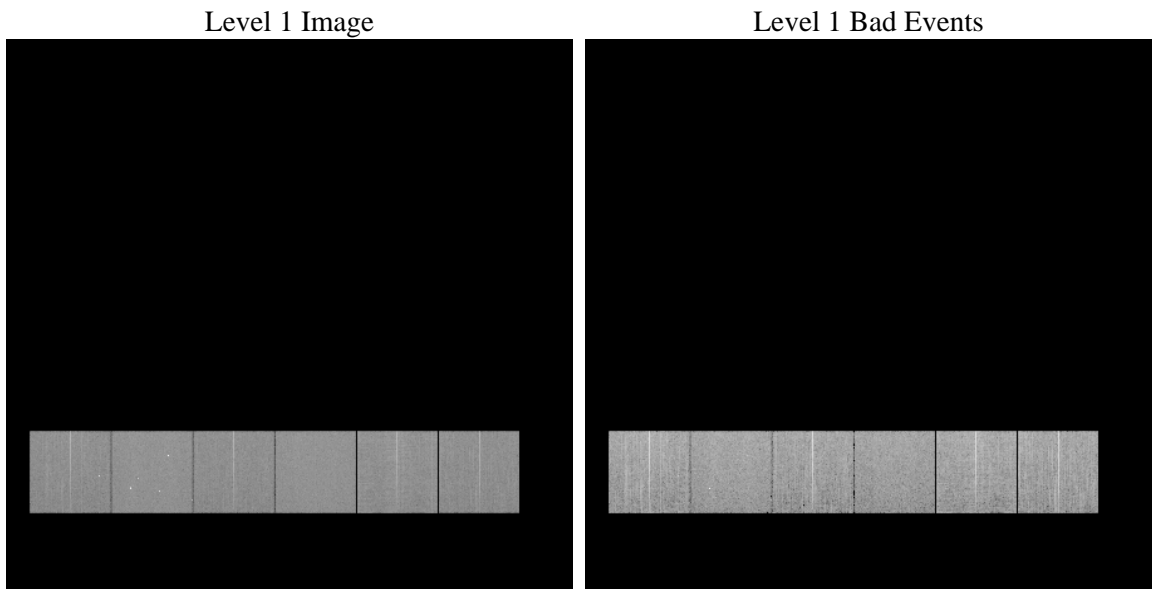
1 Front

seq_num	 	Sequence number
obs_id	58103	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	85.958201657248	Nominal RA [deg]
dec_nom	47.00331535381	Nominal Dec [deg]
roll_nom	140.49690341381	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8168.8321456313	Sum of GTIs [s]
livetime	8065.3934743231	Livetime [s]
ontime4	8168.7090256214	Sum of GTIs [s]
ontime5	8168.791105628	Sum of GTIs [s]
ontime6	8168.7500656247	Sum of GTIs [s]
ontime7	8168.8321456313	Sum of GTIs [s]
ontime8	8168.6679856181	Sum of GTIs [s]
ontime9	8168.8731856346	Sum of GTIs [s]
l2events	678899	Number of level 2 events

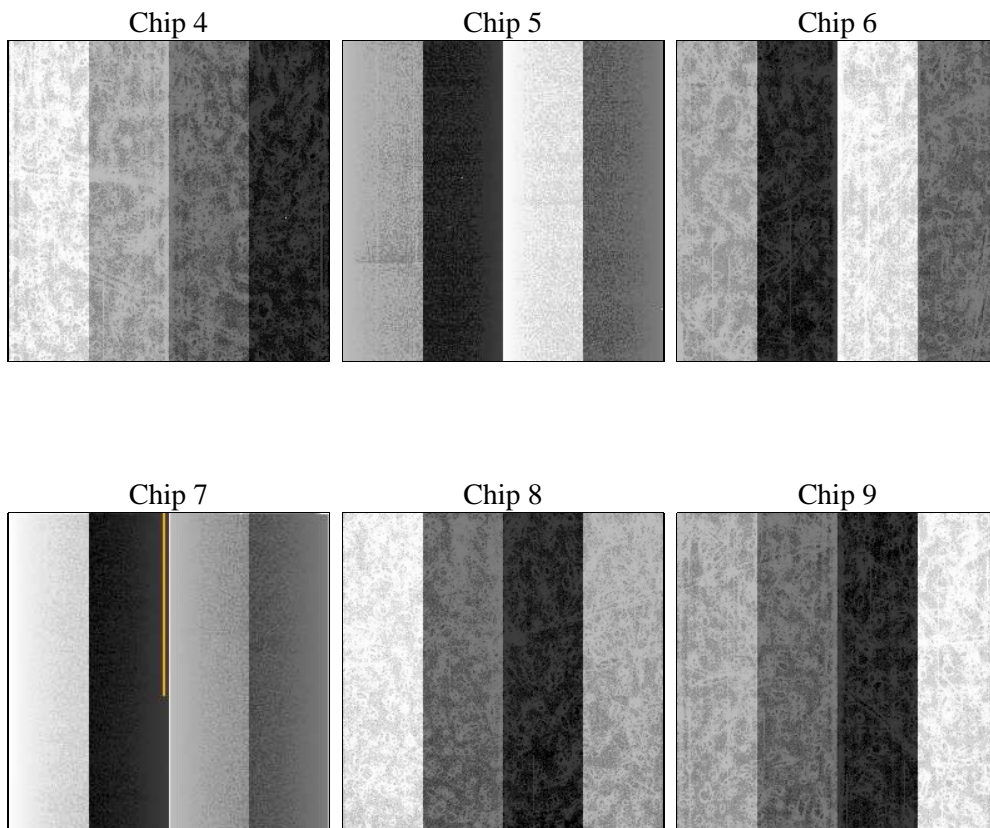
2 OBI

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	8168.8321456313	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8168.7090256214	Sum of GTIs [s]
date	2012-05-05T09:06:03	Date and time of file creation	ontime5	8168.791105628	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8168.7500656247	Sum of GTIs [s]
			ontime7	8168.8321456313	Sum of GTIs [s]
			ontime8	8168.6679856181	Sum of GTIs [s]
			ontime9	8168.8731856346	Sum of GTIs [s]
			l1events	1202931	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	189613	214908	187900	210257	210128	190125	grade 0 events	61705	26370	60336	29766	65093	59136
rejected events	83767	73142	75889	67315	84679	82012		32%	12%	32%	14%	30%	31%
rejected %	44%	34%	40%	32%	40%	43%	grade 1 events	576	246	340	163	424	450
								0%	0%	0%	0%	0%	0%
							grade 2 events	17268	50875	19953	31648	23383	18897
								9%	23%	10%	15%	11%	9%
							grade 3 events	7192	7169	7392	13862	9038	7268
								3%	3%	3%	6%	4%	3%
							grade 4 events	7346	6932	7378	13672	8699	7243
								3%	3%	3%	6%	4%	3%
							grade 5 events	4261	10062	4375	10864	5587	4866
								2%	4%	2%	5%	2%	2%
							grade 6 events	13724	52285	18442	55835	20875	16939
								7%	24%	9%	26%	9%	8%
							grade 7 events	77541	60969	69684	54447	77029	75326
								40%	28%	37%	25%	36%	39%

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	85.95820165724842	Alternating exposures requested	N	N
[deg] Pointing Dec	0	47.00331535380981	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	140.4969034138144			
[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)	312795147.982995	312795146.95799			
Observation start date	2007-11-30T07:32:28	2007-11-30T07:32:26			
[s] Observation end time (MET)	312818987.434148	312818986.40915			
Observation end date	2007-11-30T14:09:47	2007-11-30T14:09:46			
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)	2012.05.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1688321456313

A.2 Comments