

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57931 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 10 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

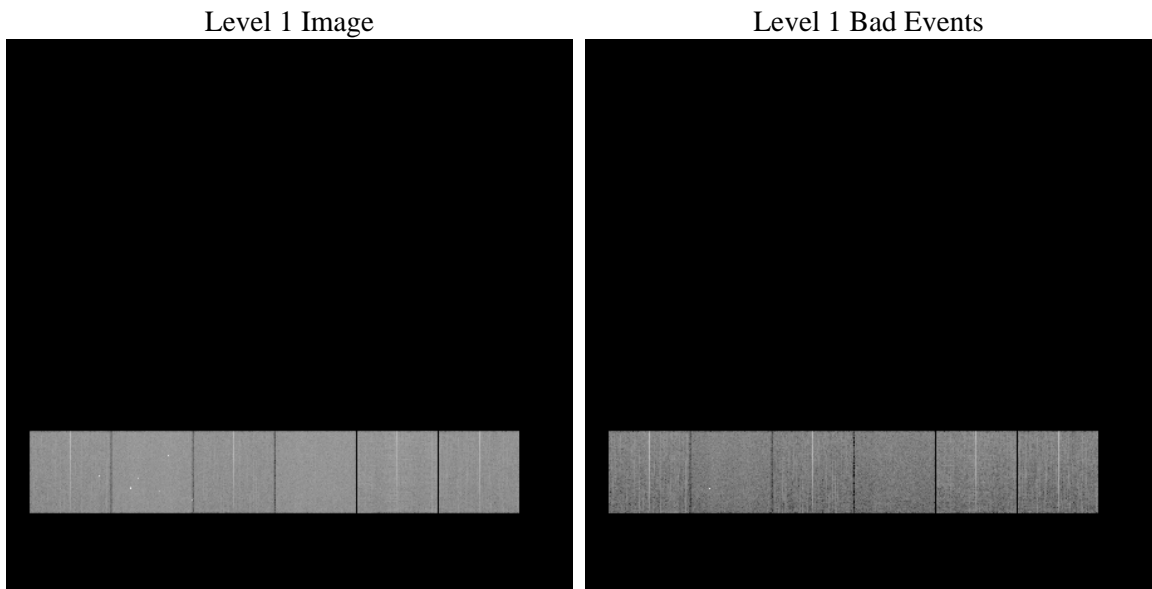
1 Front

seq_num	 	Sequence number
obs_id	57931	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	184.96651095409	Nominal RA [deg]
dec_nom	27.004331154107	Nominal Dec [deg]
roll_nom	134.81098573333	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	652169	Number of level 2 events

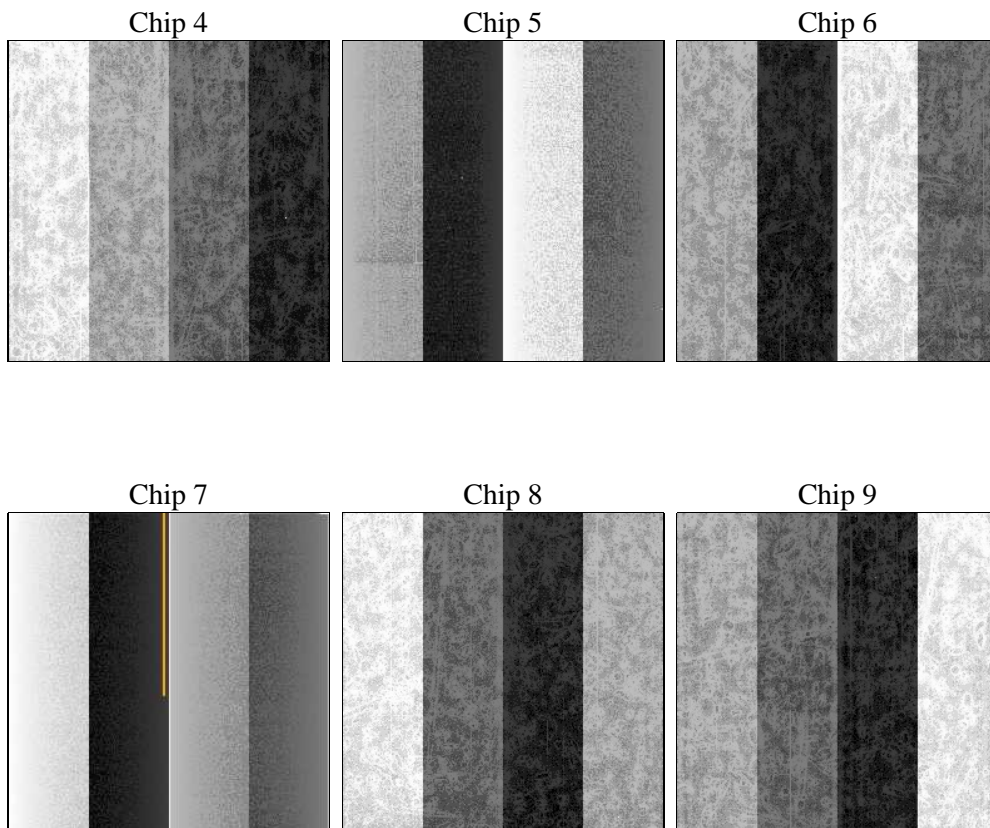
2 OBI

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	2012-05-11T01:38:06	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	1151412	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	181634	208558	179860	202397	200081	178882	grade 0 events	58716	23397	56493	28042	61127	55702
rejected events	79899	72950	73209	64696	80742	75206		32%	11%	31%	13%	30%	31%
rejected %	43%	34%	40%	31%	40%	42%	grade 1 events	561	210	386	155	435	406
								0%	0%	0%	0%	0%	0%
							grade 2 events	16034	48187	18922	29643	21663	17953
								8%	23%	10%	14%	10%	10%
							grade 3 events	6851	6916	6892	13131	8500	6882
								3%	3%	3%	6%	4%	3%
							grade 4 events	6789	6698	6931	13011	8283	6839
								3%	3%	3%	6%	4%	3%
							grade 5 events	4196	10152	4313	10720	5562	4881
								2%	4%	2%	5%	2%	2%
							grade 6 events	13345	50410	17413	53874	19766	16339
								7%	24%	9%	26%	9%	9%
							grade 7 events	75142	62588	68510	53821	74745	69880
								41%	30%	38%	26%	37%	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	184.9665109540911	Alternating exposures requested	N	N
[deg] Pointing Dec	0	27.00433115410658	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	134.8109857333341			
[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)	321021402.731604	321021401.70661			
Observation start date	2008-03-04T12:36:43	2008-03-04T12:36:41			
[s] Observation end time (MET)	321045359.032768	321045358.00778			
Observation end date	2008-03-04T19:15:59	2008-03-04T19:15:58			
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)	2012.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.271999969244

A.2 Comments