

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 58952 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 2 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

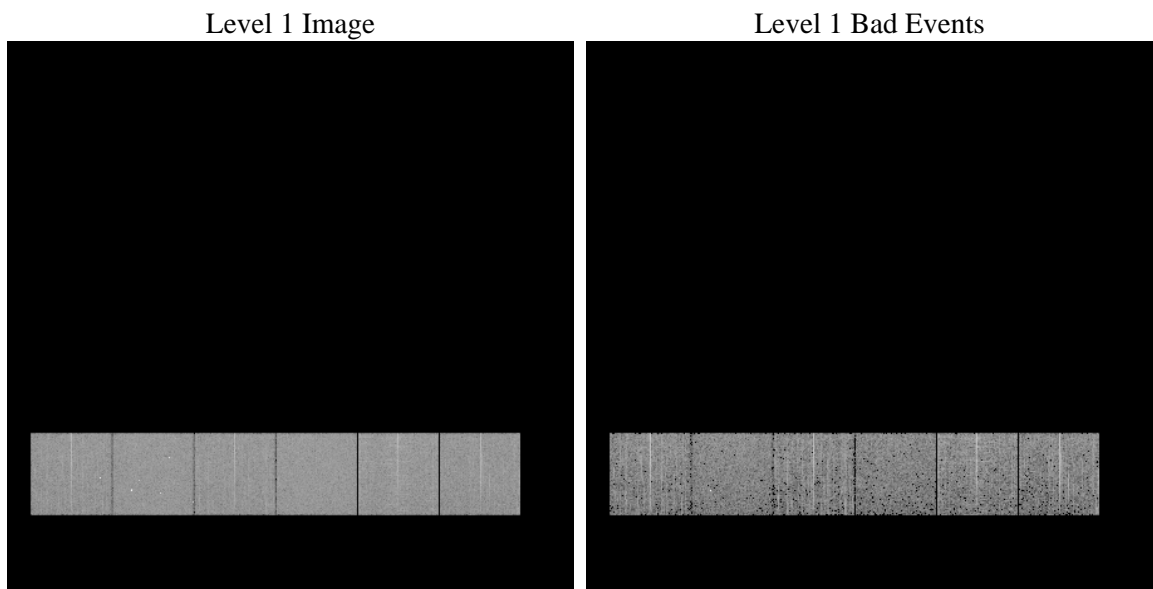
1 Front

seq_num	 	Sequence number
obs_id	58952	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	263.9718128819	Nominal RA [deg]
dec_nom	0.0050372511558735	Nominal Dec [deg]
roll_nom	136.95951064083	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2991.9999888539	Sum of GTIs [s]
livetime	2954.113483429	Livetime [s]
ontime4	2991.9999888539	Sum of GTIs [s]
ontime5	2991.9999888539	Sum of GTIs [s]
ontime6	2991.9999888539	Sum of GTIs [s]
ontime7	2991.9999888539	Sum of GTIs [s]
ontime8	2991.9999888539	Sum of GTIs [s]
ontime9	2991.9999888539	Sum of GTIs [s]
l2events	338846	Number of level 2 events

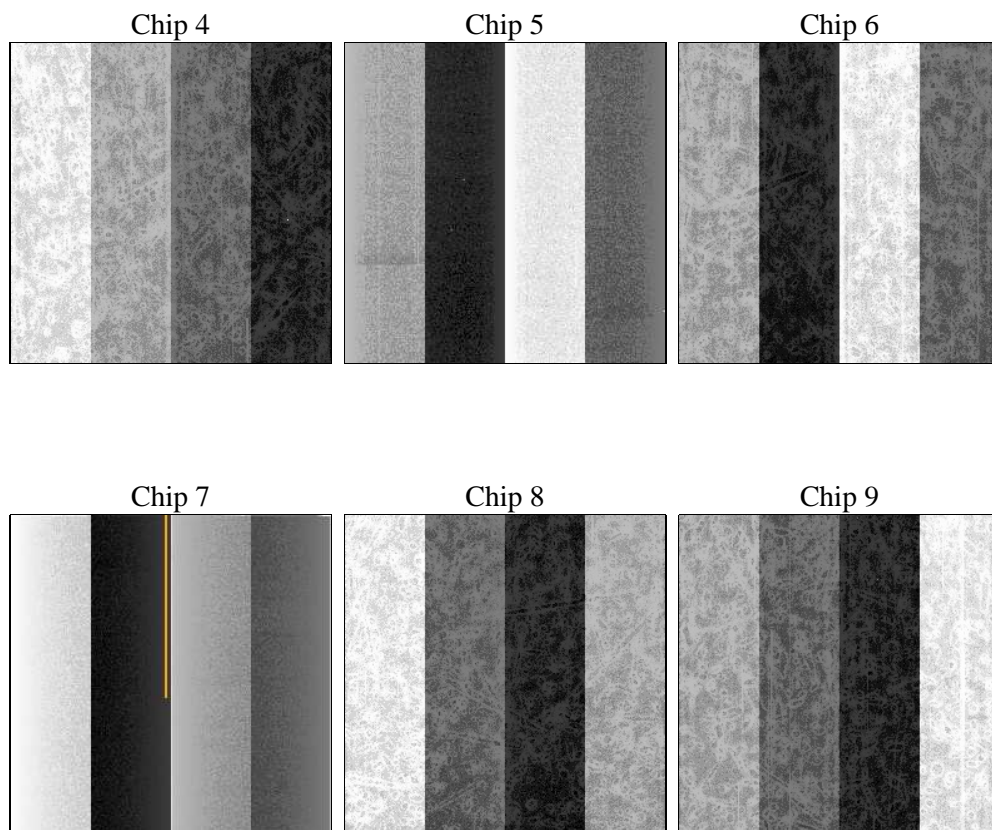
2 OBI

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	Processing system revision	ontime	2991.9999888539	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	2991.9999888539	Sum of GTIs [s]
date	2012-04-02T05:48:32	Date and time of file creation	ontime5	2991.9999888539	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2991.9999888539	Sum of GTIs [s]
			ontime7	2991.9999888539	Sum of GTIs [s]
			ontime8	2991.9999888539	Sum of GTIs [s]
			ontime9	2991.9999888539	Sum of GTIs [s]
			l1events	523111	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	84091	88890	85977	90009	91399	82745	grade 0 events	32032	13067	31387	15182	32827	30571
rejected events	28644	24816	27190	21801	29001	26735		38%	14%	36%	16%	35%	36%
rejected %	34%	27%	31%	24%	31%	32%	grade 1 events	302	173	181	62	214	206
								0%	0%	0%	0%	0%	0%
							grade 2 events	8743	22746	10378	14750	11033	9685
								10%	25%	12%	16%	12%	11%
							grade 3 events	3718	3745	3912	6711	4342	3756
								4%	4%	4%	7%	4%	4%
							grade 4 events	3815	3496	3747	6691	4368	3674
								4%	3%	4%	7%	4%	4%
							grade 5 events	1515	3816	1567	3754	1988	1724
								1%	4%	1%	4%	2%	2%
							grade 6 events	7207	21072	9438	24945	9887	8392
								8%	23%	10%	27%	10%	10%
							grade 7 events	26759	20775	25367	17914	26740	24737
								31%	23%	29%	19%	29%	29%

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	263.9718128819033	Alternating exposures requested	N	N
[deg] Pointing Dec	0	0.005037251155873452	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	136.9595106408338			
[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)	265010783.462145	265010782.43715			
Observation start date	2006-05-26T06:06:23	2006-05-26T06:06:22			
[s] Observation end time (MET)	265024903.862804	265024902.83781			
Observation end date	2006-05-26T10:01:44	2006-05-26T10:01:42			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9919999888539

A.2 Comments