

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 60099 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 7 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

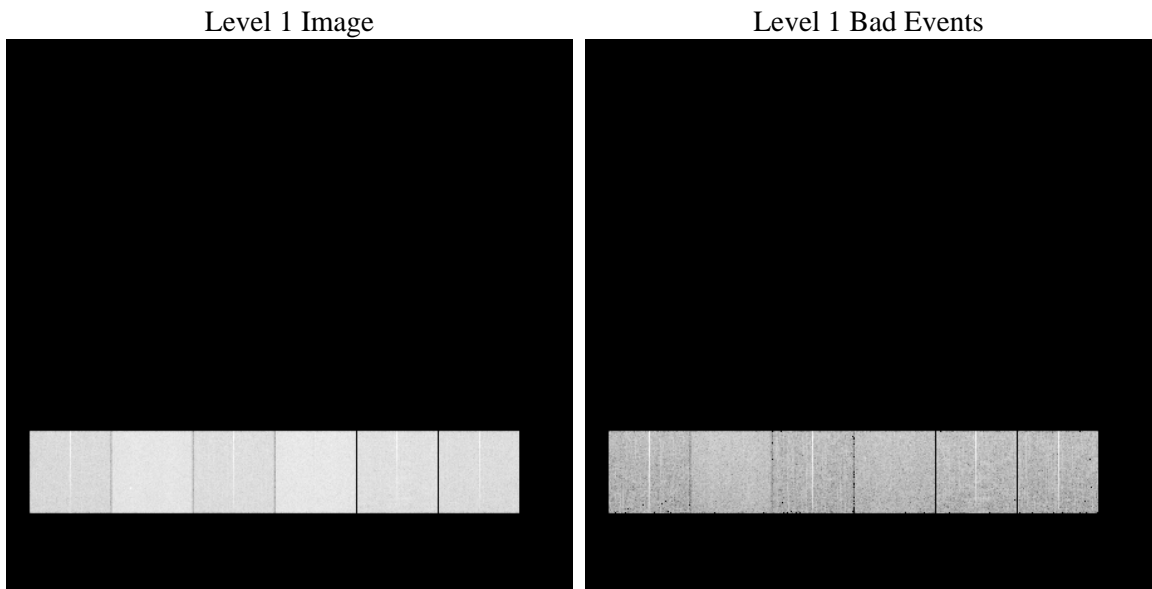
1 Front

seq_num	 	Sequence number
obs_id	60099	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	326.99758612899	Nominal RA [deg]
dec_nom	-17.971482370702	Nominal Dec [deg]
roll_nom	61.753288396665	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8197.8404000998	Sum of GTIs [s]
livetime	8094.0344088068	Livetime [s]
ontime4	5371.5893414915	Sum of GTIs [s]
ontime5	8197.7993600965	Sum of GTIs [s]
ontime6	5909.6328334808	Sum of GTIs [s]
ontime7	8197.8404000998	Sum of GTIs [s]
ontime8	6078.0816259682	Sum of GTIs [s]
ontime9	5686.1288836598	Sum of GTIs [s]
l2events	1125713	Number of level 2 events

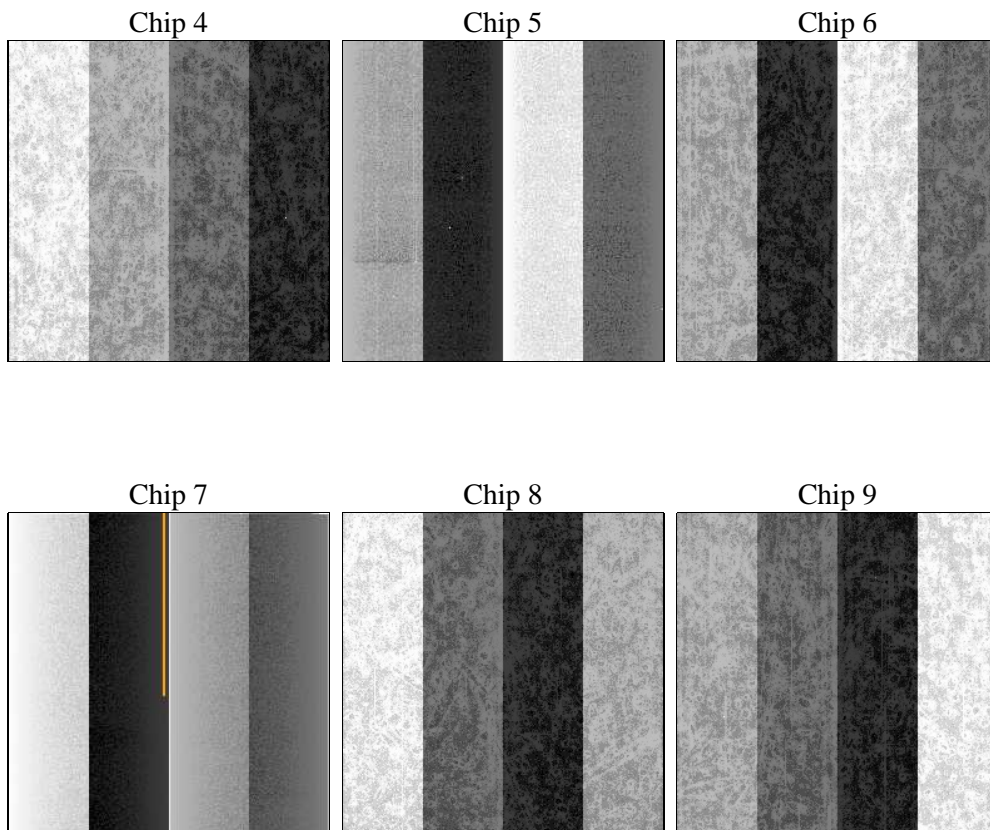
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	8197.8404000998	Sum of GTIs [s]
caldbver	4.5.4	 	ontime4	5371.5893414915	Sum of GTIs [s]
date	2012-12-07T15:38:09	Date and time of file creation	ontime5	8197.7993600965	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	5909.6328334808	Sum of GTIs [s]
			ontime7	8197.8404000998	Sum of GTIs [s]
			ontime8	6078.0816259682	Sum of GTIs [s]
			ontime9	5686.1288836598	Sum of GTIs [s]
			l1events	1497181	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	198272	294751	227321	315035	245550	216252	grade 0 events	89984	45144	98280	63652	105711	93793
rejected events	45855	61835	47380	52294	53233	47832		45%	15%	43%	20%	43%	43%
rejected %	23%	20%	20%	16%	21%	22%	grade 1 events	719	201	499	179	593	542
								0%	0%	0%	0%	0%	0%
							grade 2 events	23783	90622	31534	58408	33880	28873
								11%	30%	13%	18%	13%	13%
							grade 3 events	10192	12599	11102	26384	12776	10833
								5%	4%	4%	8%	5%	5%
							grade 4 events	10255	12113	11176	26028	12469	10897
								5%	4%	4%	8%	5%	5%
							grade 5 events	2611	8959	3023	8889	3547	3051
								1%	3%	1%	2%	1%	1%
							grade 6 events	19531	74546	29451	90639	29292	25623
								9%	25%	12%	28%	11%	11%
							grade 7 events	41197	50567	42256	40856	47282	42640
								20%	17%	18%	12%	19%	19%

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	326.997586128985	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-17.97148237070192	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	61.7532883966647			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	208614667.935779	208614666.91079			
Observation start date	2004-08-11T12:31:08	2004-08-11T12:31:06			
[s] Observation end time (MET)	208637055.986774	208637054.96178			
Observation end date	2004-08-11T18:44:16	2004-08-11T18:44:14			
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)	2012.12.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1978404000998

A.2 Comments