

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60436 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 9 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

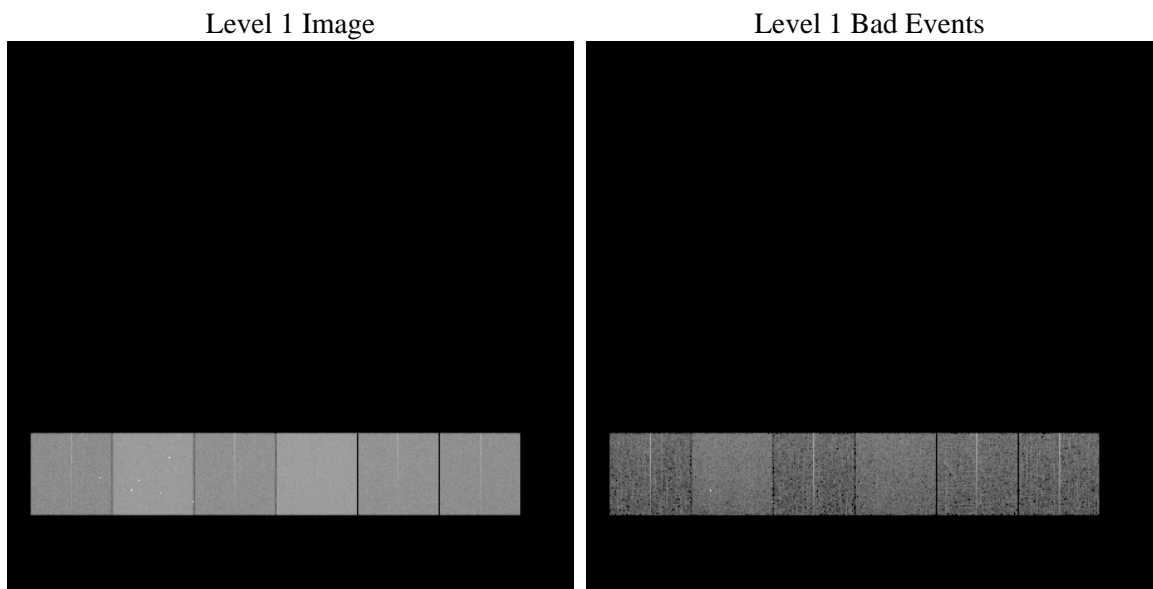
1 Front

seq_num	 	Sequence number
obs_id	60436	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	128.95914880387	Nominal RA [deg]
dec_nom	49.010013591526	Nominal Dec [deg]
roll_nom	126.63886625204	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7804.1061239243	Sum of GTIs [s]
livetime	7705.2858331146	Livetime [s]
ontime4	4362.4234601259	Sum of GTIs [s]
ontime5	7804.065083921	Sum of GTIs [s]
ontime6	4822.3174232543	Sum of GTIs [s]
ontime7	7804.1061239243	Sum of GTIs [s]
ontime8	4958.7667882442	Sum of GTIs [s]
ontime9	4631.2224184573	Sum of GTIs [s]
l2events	1129002	Number of level 2 events

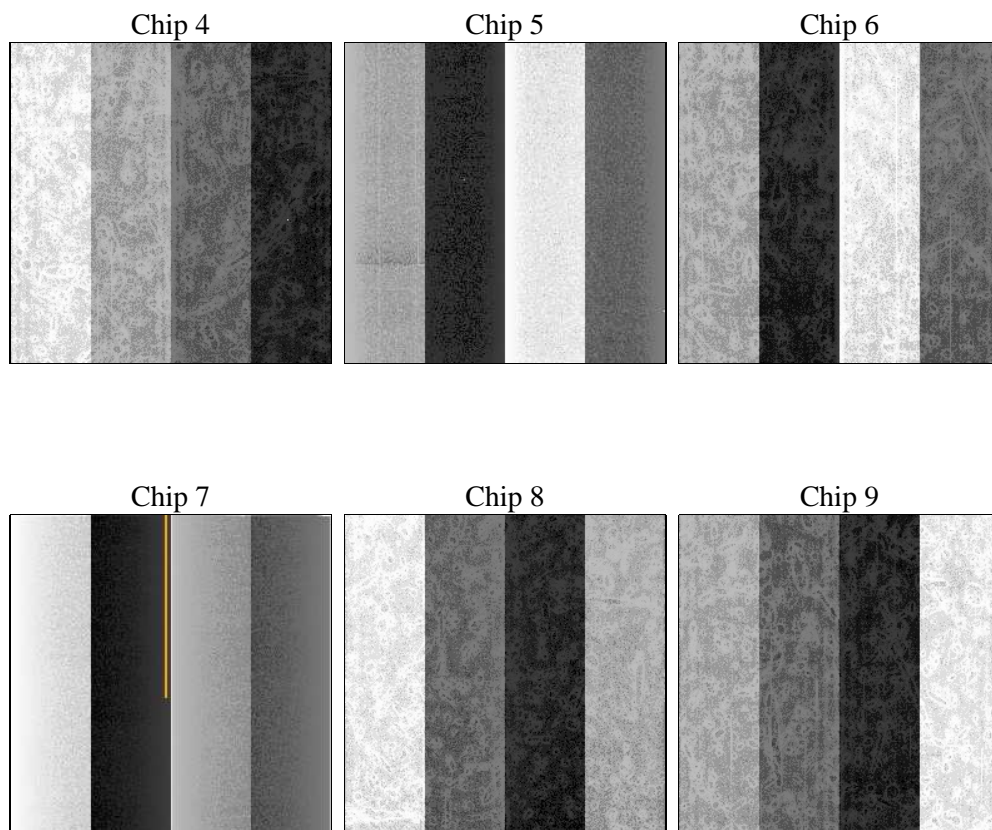
2 OBI

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	8.4.5	Processing system revision	ontime	7804.1061239243	Sum of GTIs [s]
caldbver	4.5.2	 	ontime4	4362.4234601259	Sum of GTIs [s]
date	2012-11-09T18:29:18	Date and time of file creation	ontime5	7804.065083921	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4822.3174232543	Sum of GTIs [s]
			ontime7	7804.1061239243	Sum of GTIs [s]
			ontime8	4958.7667882442	Sum of GTIs [s]
			ontime9	4631.2224184573	Sum of GTIs [s]
			l1events	1417065	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	176230	308102	203568	323785	214567	190813	grade 0 events	84850	60554	94201	69712	98348	88079
rejected events	30811	51352	31124	41506	35286	31709		48%	19%	46%	21%	45%	46%
rejected %	17%	16%	15%	12%	16%	16%	grade 1 events	623	407	452	192	461	509
								0%	0%	0%	0%	0%	0%
							grade 2 events	22726	92891	29776	62219	31222	27027
								12%	30%	14%	19%	14%	14%
							grade 3 events	9630	15094	10724	28300	11476	10041
								5%	4%	5%	8%	5%	5%
							grade 4 events	9566	14950	10597	27981	11377	10183
								5%	4%	5%	8%	5%	5%
							grade 5 events	1909	8596	2258	7657	2677	2262
								1%	2%	1%	2%	1%	1%
							grade 6 events	18647	73261	27146	94067	26858	23774
								10%	23%	13%	29%	12%	12%
							grade 7 events	28279	42349	28414	33657	32148	28938
								16%	13%	13%	10%	14%	15%

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	128.9591488038725	Alternating exposures requested	N	N
[deg] Pointing Dec	0	49.01001359152562	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	126.6388662520396			
[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)	189161220.779028	189161219.75431			
Observation start date	2003-12-30T08:47:01	2003-12-30T08:46:59			
[s] Observation end time (MET)	189199611.130697	189199610.10598			
Observation end date	2003-12-30T19:26:51	2003-12-30T19:26:50			
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)	2012.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8041061239243

A.2 Comments