

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61947 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Sep 1 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

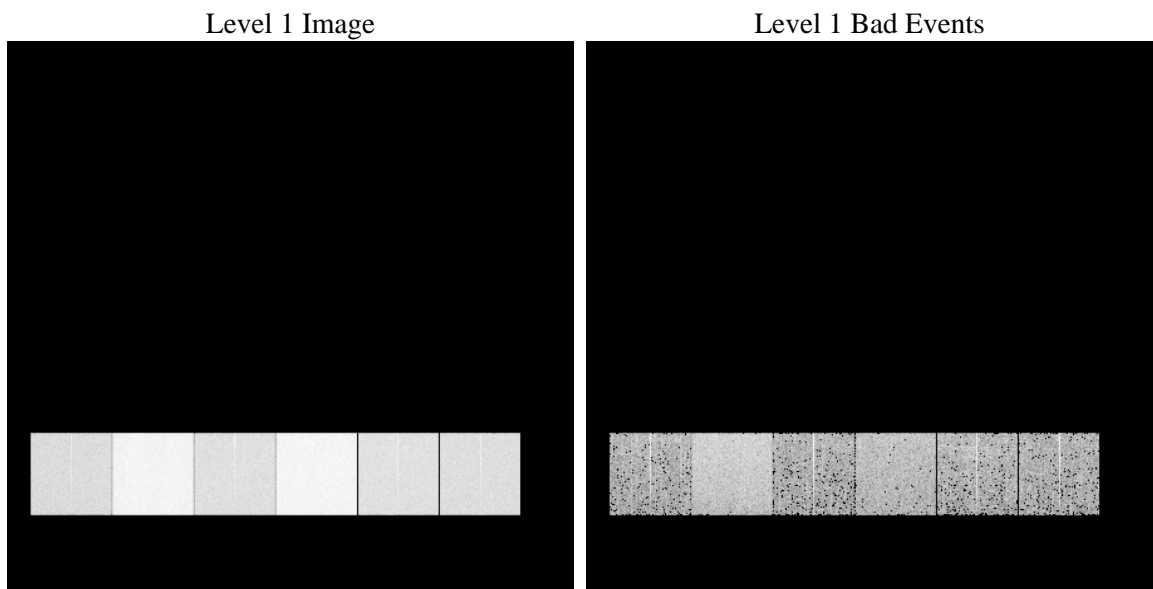
1 Front

seq_num	 	Sequence number
obs_id	61947	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	187.74537153088	Nominal RA [deg]
dec_nom	-37.362642931937	Nominal Dec [deg]
roll_nom	215.50295334501	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4882.7220042795	Sum of GTIs [s]
livetime	4820.8940382391	Livetime [s]
ontime4	2024.2711743414	Sum of GTIs [s]
ontime5	5251.3914392292	Sum of GTIs [s]
ontime6	2188.6403263062	Sum of GTIs [s]
ontime7	4882.7220042795	Sum of GTIs [s]
ontime8	2257.66682446	Sum of GTIs [s]
ontime9	2144.0253743529	Sum of GTIs [s]
l2events	1363329	Number of level 2 events

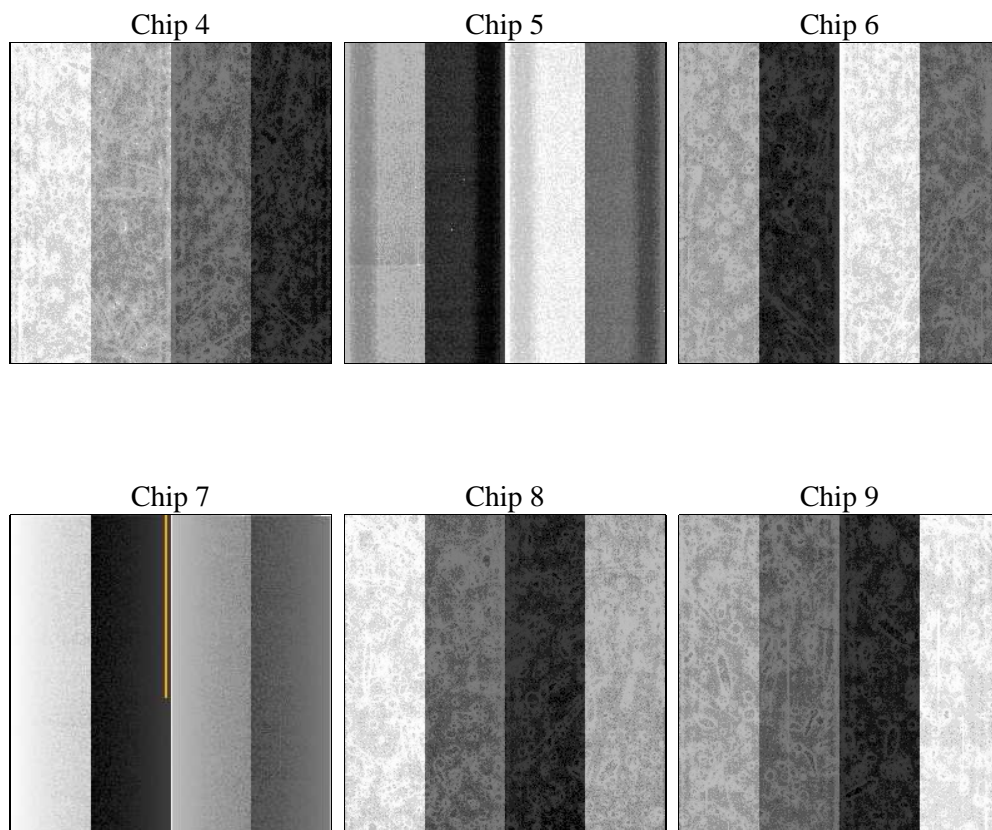
2 OBI

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	4882.7220042795	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	2024.2711743414	Sum of GTIs [s]
date	2012-09-01T06:56:36	Date and time of file creation	ontime5	5251.3914392292	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2188.6403263062	Sum of GTIs [s]
			ontime7	4882.7220042795	Sum of GTIs [s]
			ontime8	2257.66682446	Sum of GTIs [s]
			ontime9	2144.0253743529	Sum of GTIs [s]
			l1events	1555525	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	168886	395855	194464	410598	201761	183961	grade 0 events	85327	82390	96997	98699	100882	91722
rejected events	18486	39667	17463	23901	19380	17393		50%	20%	49%	24%	50%	49%
rejected %	10%	10%	8%	5%	9%	9%	grade 1 events	460	260	508	267	495	449
								0%	0%	0%	0%	0%	0%
							grade 2 events	26515	133043	30536	85580	32134	29271
								15%	33%	15%	20%	15%	15%
							grade 3 events	8988	21909	10744	39440	11434	10207
								5%	5%	5%	9%	5%	5%
							grade 4 events	9151	21395	10907	38796	11357	10335
								5%	5%	5%	9%	5%	5%
							grade 5 events	1244	8080	1461	5461	1585	1395
								0%	2%	0%	1%	0%	0%
							grade 6 events	20419	97451	27817	124182	26574	25033
								12%	24%	14%	30%	13%	13%
							grade 7 events	16782	31327	15494	18173	17300	15549
								9%	7%	7%	4%	8%	8%

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	187.7453715308845	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-37.36264293193738	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	215.5029533450066			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	84109925.655908	84109924.887455			
Observation start date	2000-08-31T11:52:06	2000-08-31T11:52:04			
[s] Observation end time (MET)	84120433.956302	84120433.18785			
Observation end date	2000-08-31T14:47:14	2000-08-31T14:47:13			
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)	2012.09.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8827220042795

A.2 Comments