

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61950 - 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

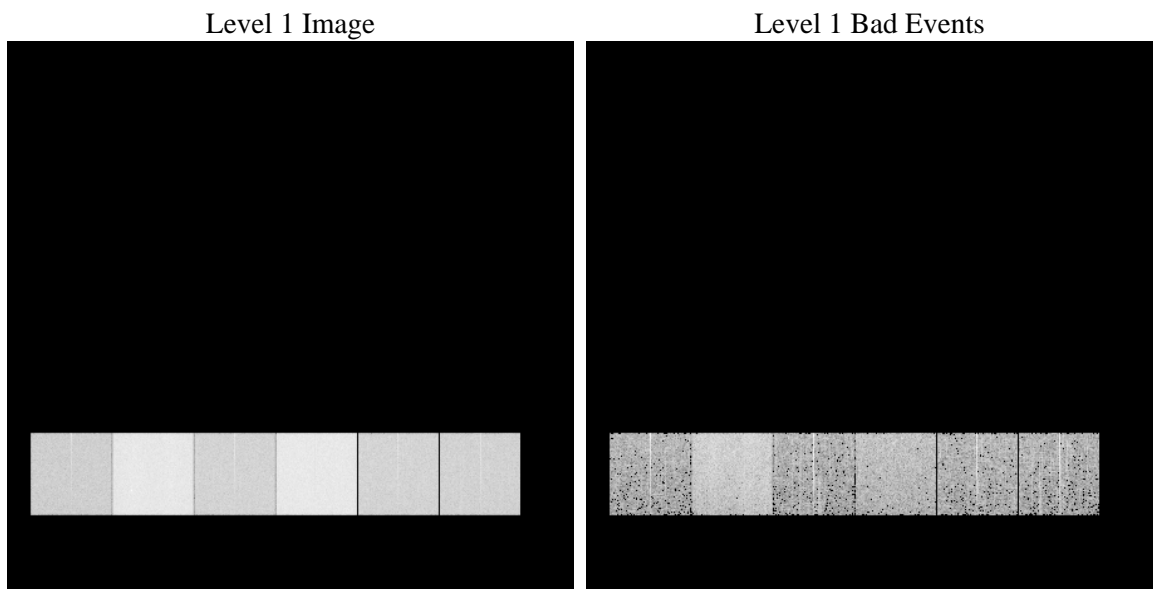
1 Front

seq_num	 	Sequence number
obs_id	61950	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	187.74663525611	Nominal RA [deg]
dec_nom	-37.36306987726	Nominal Dec [deg]
roll_nom	217.56523285184	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4885.4897878915	Sum of GTIs [s]
livetime	4823.6267745084	Livetime [s]
ontime4	1999.3353118598	Sum of GTIs [s]
ontime5	5254.9598210454	Sum of GTIs [s]
ontime6	2222.9259515107	Sum of GTIs [s]
ontime7	4885.4897878915	Sum of GTIs [s]
ontime8	2218.1371675879	Sum of GTIs [s]
ontime9	2163.0394278914	Sum of GTIs [s]
l2events	1348280	Number of level 2 events

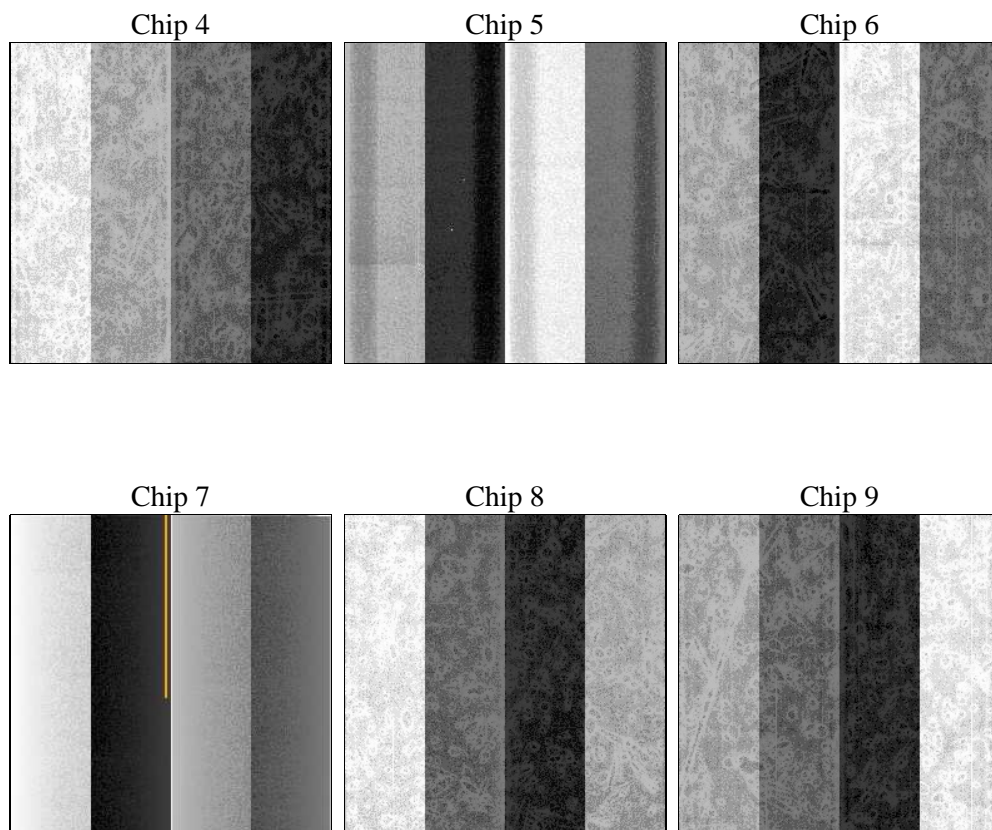
2 OBI

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	4885.4897878915	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	1999.3353118598	Sum of GTIs [s]
date	2012-09-01T06:04:01	Date and time of file creation	ontime5	5254.9598210454	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2222.9259515107	Sum of GTIs [s]
			ontime7	4885.4897878915	Sum of GTIs [s]
			ontime8	2218.1371675879	Sum of GTIs [s]
			ontime9	2163.0394278914	Sum of GTIs [s]
			l1events	1554616	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	165674	397754	196470	411057	197955	185706	grade 0 events	80546	72581	96647	97351	98837	91291
rejected events	19205	45228	19391	26414	20448	19679		48%	18%	49%	23%	49%	49%
rejected %	11%	11%	9%	6%	10%	10%	grade 1 events	418	238	452	250	496	458
								0%	0%	0%	0%	0%	0%
							grade 2 events	28980	141662	31333	85050	31568	29726
								17%	35%	15%	20%	15%	16%
							grade 3 events	8640	19197	10643	39083	10937	10076
								5%	4%	5%	9%	5%	5%
							grade 4 events	8484	18733	10529	38402	10884	10195
								5%	4%	5%	9%	5%	5%
							grade 5 events	1343	8390	1466	5666	1562	1413
								0%	2%	0%	1%	0%	0%
							grade 6 events	20280	101499	28444	125782	26068	25245
								12%	25%	14%	30%	13%	13%
							grade 7 events	16983	35454	16956	19473	17603	17302
								10%	8%	8%	4%	8%	9%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	187.7466352561081
[deg] Pointing Dec	0	-37.36306987726024
[deg] Pointing Roll	0.0	217.5652328518418
[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)	83876436.79714701	83876436.028687
Observation start date	2000-08-28T19:00:37	2000-08-28T19:00:36
[s] Observation end time (MET)	83887410.447559	83887409.67909899
Observation end date	2000-08-28T22:03:30	2000-08-28T22:03:29
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8854897878915

A.2 Comments