

V&V Reference Report

L2 ASCDS Version : 7.6.11.10

Observation 59747 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Feb 4 2009

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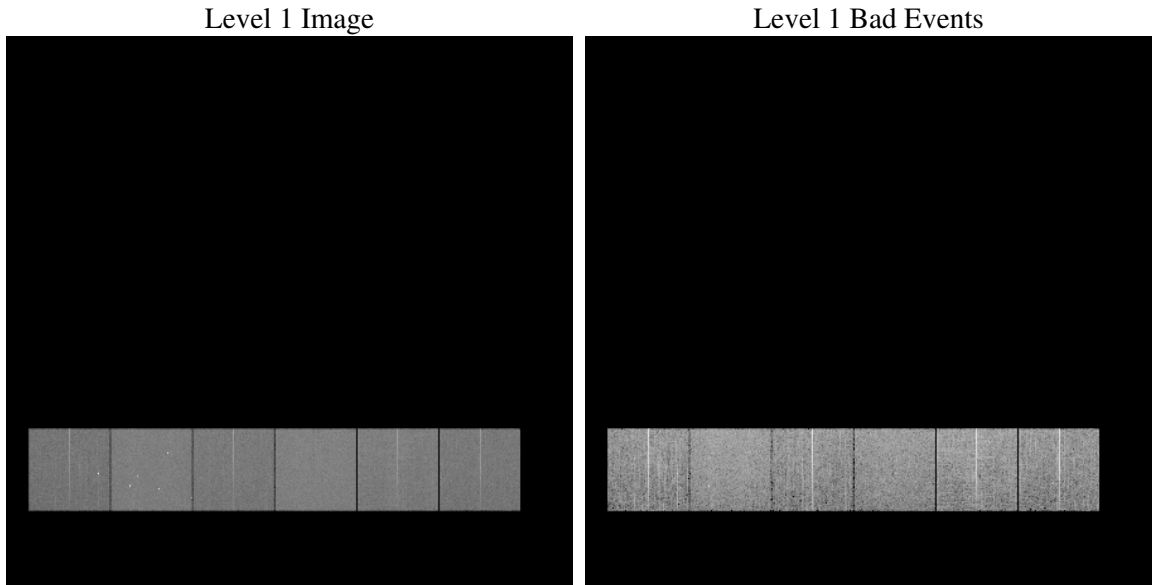
1 Front

seq_num	
obs_id	59747
title	ACIS-456789 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	177.81474669488
dec_nom	13.007278417197
roll_nom	144.86157046783
revision	3
ontime	8169.5999695659
livetime	8066.1515756087
ontime4	6416.2318428755
ontime5	8169.5999695659
ontime6	7013.9004246891
ontime7	8169.5999695659
ontime8	7278.3315990567
ontime9	6925.065217942
l2events	1082580

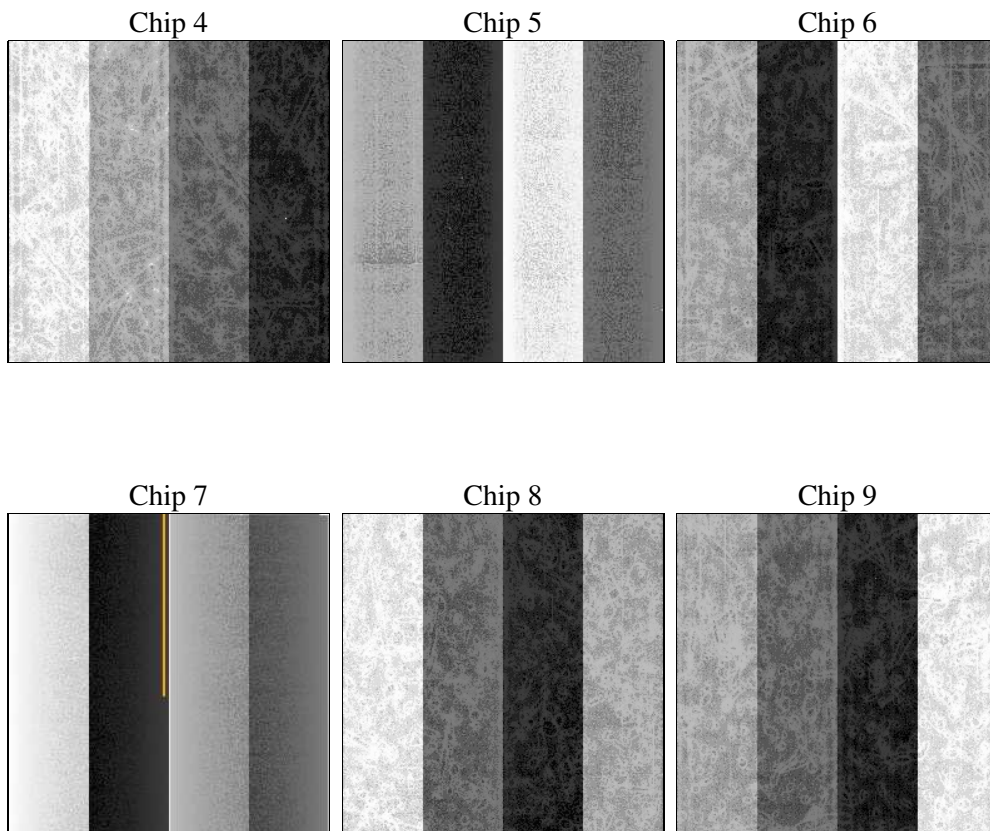
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11.10
caldbver	3.5.1
date	2009-02-04T12:33:36
revision	3

sched_exp_time	900
ontime	8169.5999695659
ontime4	6416.2318428755
ontime5	8169.5999695659
ontime6	7013.9004246891
ontime7	8169.5999695659
ontime8	7278.3315990567
ontime9	6925.065217942
l1events	1492212

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	211785	270934	237008	283312	260702	228471
rejected events	54056	60515	53655	53763	62928	53619
rejected %	25%	22%	22%	18%	24%	23%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	93051	47308	100594	55222	107883	97748
	43%	17%	42%	19%	41%	42%
grade 1 events	795	227	521	173	546	600
	0%	0%	0%	0%	0%	0%
grade 2 events	25224	76391	32358	50986	35601	30208
	11%	28%	13%	17%	13%	13%
grade 3 events	10714	12214	11616	23189	13269	11183
	5%	4%	4%	8%	5%	4%
grade 4 events	10614	11835	11785	22905	13177	11447
	5%	4%	4%	8%	5%	5%
grade 5 events	2996	9026	3416	9139	4273	3636
	1%	3%	1%	3%	1%	1%
grade 6 events	20228	65465	29426	80359	30349	26465
	9%	24%	12%	28%	11%	11%
grade 7 events	48163	48468	47292	41339	55604	47184
	22%	17%	19%	14%	21%	20%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
Pointing RA	177.8147466948821	177.8147466948821	Subarray requested	NONE	NONE
Pointing Dec	13.00727841719749	13.00727841719749	Alternating exposures requested	N	N
Pointing Roll	144.8615704678287	144.8615704678287	Primary exposure time	3.2	3.2
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119			
SIM defocus (mm)	0.8505140384245534	0.8505140384245534			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
SIM translation stage offset (mm)	-0.01005726120527584	-0.01005726120527584			
Observation start time	226906273.457345	226906273.457345			
Observation start date	2005-03-11T05:39:00	2005-03-11T05:31:13			
Observation end time	226915309.636474	226915309.636474			
Observation end date	2005-03-11T05:54:00	2005-03-11T08:01:49			
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)	2009.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.16959996

A.2 Comments

This obsid was reprocessed to correct minor errors in parameters used in processing. Some of these parameters cannot be determined automatically for this observation and were derived from spacecraft telemetry.