

V&V Reference Report

L2 ASCDS Version : 7.6.11.10

Observation 61038 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Feb 5 2009

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

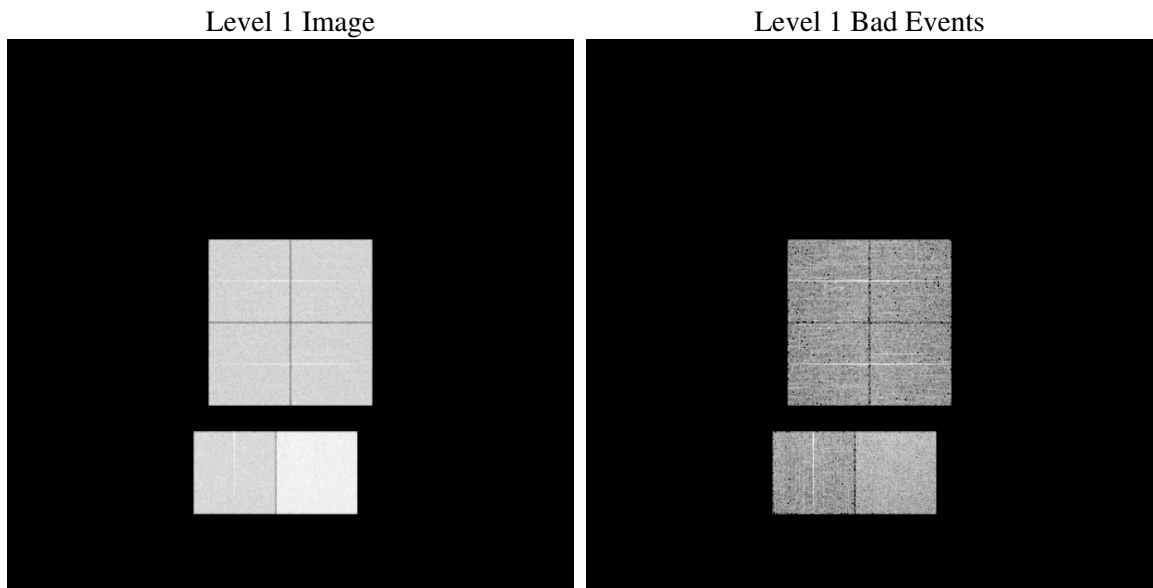
1 Front

seq_num	
obs_id	61038
title	ACIS-012367 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	312.0427563187
dec_nom	-50.007504442978
roll_nom	312.96762881993
revision	3
ontime	8252.7999692559
livetime	8148.2980468057
ontime0	3938.5599499047
ontime1	3967.7705494165
ontime2	3802.9376020133
ontime3	3915.7917754352
ontime6	4243.3379310369
ontime7	8252.7999692559
l2events	1279918

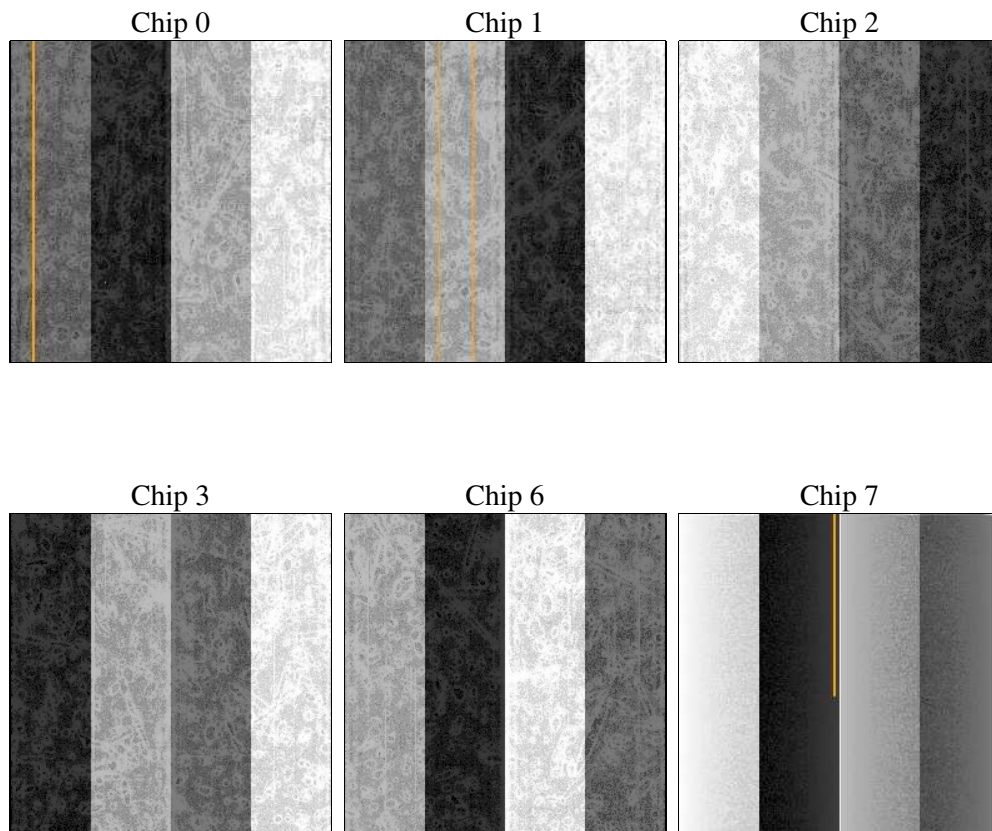
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.11.10
caldbver	3.5.1
date	2009-02-05T05:13:10
revision	3

sched_exp_time	5040
ontime	8252.7999692559
ontime0	3938.5599499047
ontime1	3967.7705494165
ontime2	3802.9376020133
ontime3	3915.7917754352
ontime6	4243.3379310369
ontime7	8252.7999692559
l1events	1553512

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	213996	216518	210874	216573	242454	453097
rejected events	31787	31268	31765	33143	35672	53630
rejected %	14%	14%	15%	15%	14%	11%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	103376	104591	103590	106143	116180	102164
	48%	48%	49%	49%	47%	22%
grade 1 events	588	501	610	622	544	235
	0%	0%	0%	0%	0%	0%
grade 2 events	32614	33531	30473	31613	36504	90410
	15%	15%	14%	14%	15%	19%
grade 3 events	11904	11959	11912	12250	12908	41628
	5%	5%	5%	5%	5%	9%
grade 4 events	12005	12047	11978	12259	13090	40898
	5%	5%	5%	5%	5%	9%
grade 5 events	1935	1874	1797	1970	2202	8518
	0%	0%	0%	0%	0%	1%
grade 6 events	27035	27826	25853	26055	33971	134696
	12%	12%	12%	12%	14%	29%
grade 7 events	24539	24189	24661	25661	27055	34548
	11%	11%	11%	11%	11%	7%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	312.0427563187047	312.0427563187047	Subarray requested	NONE	NONE
Pointing Dec	-50.00750444297768	-50.00750444297768	Alternating exposures requested	N	N
Pointing Roll	312.9676288199261	312.9676288199261	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	148081584.739408	148081584.739408			
Observation start date	2002-09-10T21:55:00	2002-09-10T21:46:24			
Observation end time	148092210.843706	148092210.843706			
Observation end date	2002-09-10T23:19:00	2002-09-11T00:43:30			
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)	2009.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.25279996

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.

Focal plane temperature is warmer than -118.7 C degrees throughout this observation. The ACIS spectral response calibration for the front-illuminated chips is less accurate at these warmer temperatures than it is at -119.7 C. The back-illuminated chips are not affected at the focal plane temperatures recorded for this observation.