

V&V Reference Report

L2 ASCDS Version : 7.6.11.10

Observation 60769 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Feb 4 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

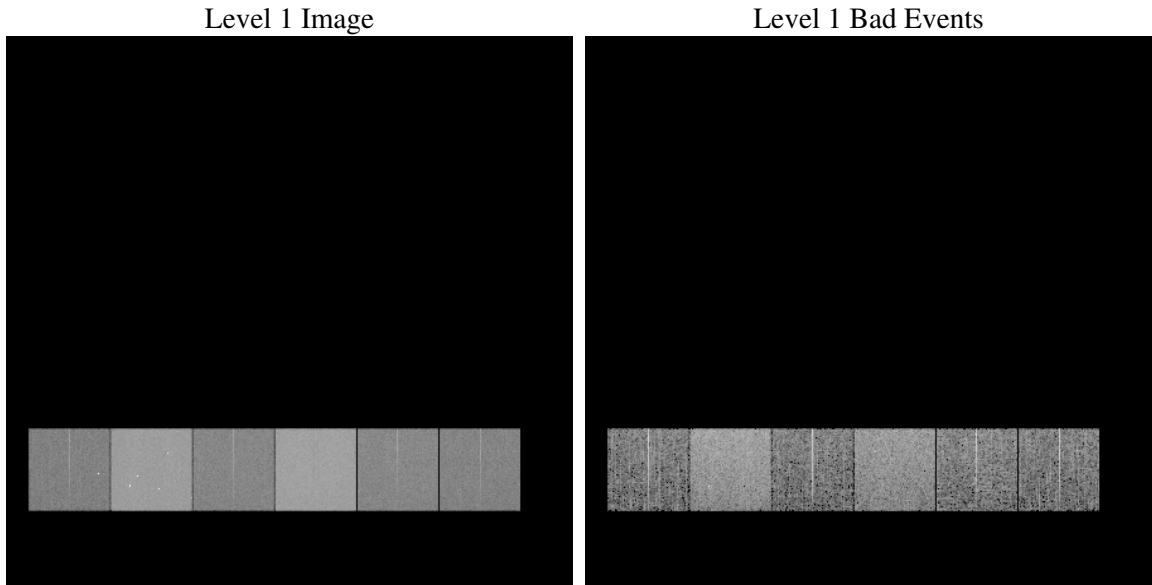
1 Front

seq_num	
obs_id	60769
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	30.506272499923
dec_nom	-38.915528563075
roll_nom	176.85103028125
revision	3
ontime	7731.199971199
livetime	7633.302861994
ontime4	3337.9427582622
ontime5	7731.199971199
ontime6	3710.6171024144
ontime7	7731.199971199
ontime8	3772.2788824737
ontime9	3548.4445839226
l2events	1159322

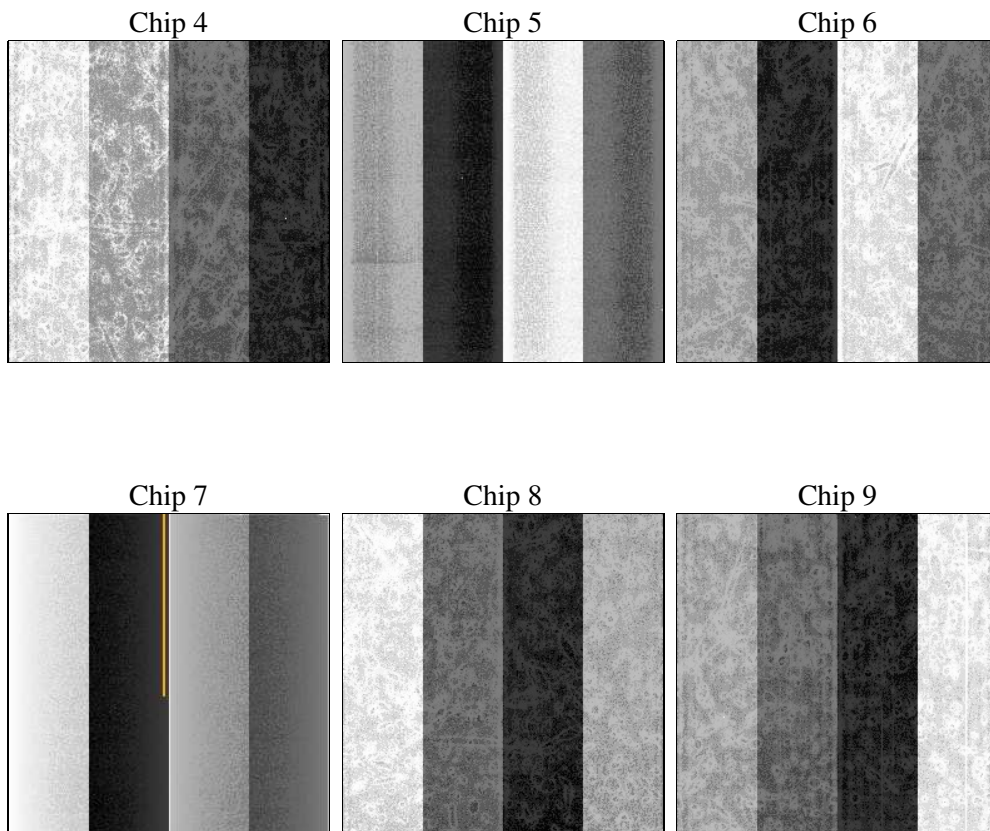
2 OBI

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	2009-02-05T02:45:29
revision	3

sched_exp_time	1200
ontime	7731.199971199
ontime4	3337.9427582622
ontime5	7731.199971199
ontime6	3710.6171024144
ontime7	7731.199971199
ontime8	3772.2788824737
ontime9	3548.4445839226
l1events	1420634

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	158584	345412	183336	373011	189700	170591
rejected events	26467	52284	25906	43514	29421	26407
rejected %	16%	15%	14%	11%	15%	15%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	77211	71485	86557	83209	88735	80124
	48%	20%	47%	22%	46%	46%
grade 1 events	563	261	455	223	433	451
	0%	0%	0%	0%	0%	0%
grade 2 events	21071	104927	27456	73066	27904	24814
	13%	30%	14%	19%	14%	14%
grade 3 events	8897	18449	9846	33822	10338	9238
	5%	5%	5%	9%	5%	5%
grade 4 events	8823	18547	9984	33452	10350	9305
	5%	5%	5%	8%	5%	5%
grade 5 events	1621	8750	1877	7778	2138	1811
	1%	2%	1%	2%	1%	1%
grade 6 events	16978	81982	24772	108436	24052	21768
	10%	23%	13%	29%	12%	12%
grade 7 events	23420	41011	22389	33025	25750	23080
	14%	11%	12%	8%	13%	13%

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	30.50627249992346	30.50627249992346	Subarray requested	NONE	NONE
Pointing Dec	-38.91552856307529	-38.91552856307529	Alternating exposures requested	N	N
Pointing Roll	176.8510302812543	176.8510302812543	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	167688626.059226	167688626.059226			
Observation start date	2003-04-25T21:01:00	2003-04-25T20:10:26			
Observation end time	167697962.554651	167697962.554651			
Observation end date	2003-04-25T21:21:00	2003-04-25T22:46:02			
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	7.73119997

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.