

V&V Reference Report

L2 ASCDS Version : 7.6.11.10

Observation 60721 - 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

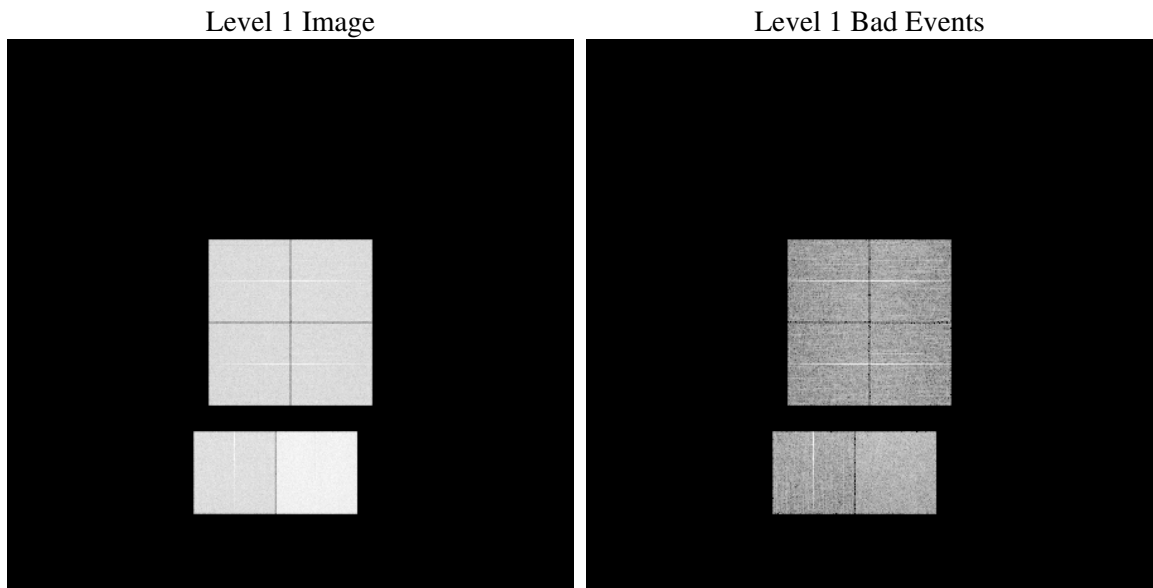
1 Front

seq_num	
obs_id	60721
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	255.01621896657
dec_nom	-53.373050949929
roll_nom	10.348630593995
revision	3
ontime	11123.199958563
livetime	10982.351303101
ontime0	6310.3533912897
ontime1	6488.6082199216
ontime2	6064.0375385582
ontime3	6202.2337714732
ontime6	6592.3191199601
ontime7	11123.199958563
l2events	1686290

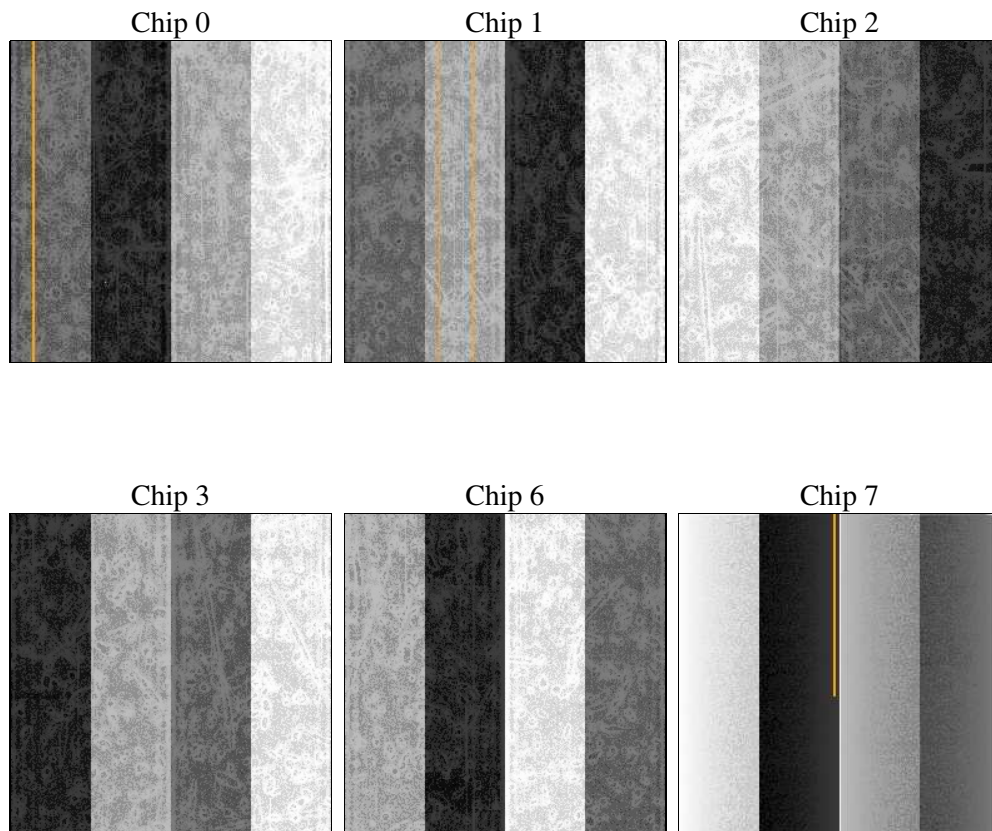
2 OBI

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	2009-02-04T16:59:23
revision	3

sched_exp_time	10200
ontime	11123.199958563
ontime0	6310.3533912897
ontime1	6488.6082199216
ontime2	6064.0375385582
ontime3	6202.2337714732
ontime6	6592.3191199601
ontime7	11123.199958563
l1events	2070055

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	300123	310110	291624	300646	329598	537954
rejected events	46033	48764	45168	47312	50379	68055
rejected %	15%	15%	15%	15%	15%	12%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	143242	147093	141091	145541	155080	121629
	47%	47%	48%	48%	47%	22%
grade 1 events	784	643	773	764	752	364
	0%	0%	0%	0%	0%	0%
grade 2 events	45637	47423	42722	44192	49353	106919
	15%	15%	14%	14%	14%	19%
grade 3 events	16699	16846	16319	16577	17658	47924
	5%	5%	5%	5%	5%	8%
grade 4 events	16490	16820	16229	16615	17508	47797
	5%	5%	5%	5%	5%	8%
grade 5 events	2776	2824	2635	2852	3251	10640
	0%	0%	0%	0%	0%	1%
grade 6 events	38314	39388	35815	36261	46177	158134
	12%	12%	12%	12%	14%	29%
grade 7 events	36181	39073	36040	37844	39819	44547
	12%	12%	12%	12%	12%	8%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
Pointing RA	255.0162189665688	255.0162189665688
Pointing Dec	-53.37305094992924	-53.37305094992924
Pointing Roll	10.34863059399489	10.34863059399489
SIM focus pos (mm)	-0.78090834371673	-0.78090834371673
SIM defocus (mm)	0.7524282194390134	0.7524282194390134
SIM translation stage pos (mm)	250.4660330802	250.4660330802
SIM translation stage offset (mm)	-0.01005726120527584	-0.01005726120527584
Observation start time	170871240.943965	170871240.943965
Observation start date	2003-06-01T16:44:00	2003-06-01T16:14:00
Observation end time	170884180.924254	170884180.924254
Observation end date	2003-06-01T19:34:00	2003-06-01T19:49:40
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Craig Anderson
V&V Date (YYYY-MM-DD)	2009.02.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.123199958563

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.