

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 60719 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Aug 3 2006

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	Aspect	6
2.4	Star Slots	8
2.5	FID Slots	8
A	Summary	9
A.1	Status	9
A.2	Comments	9

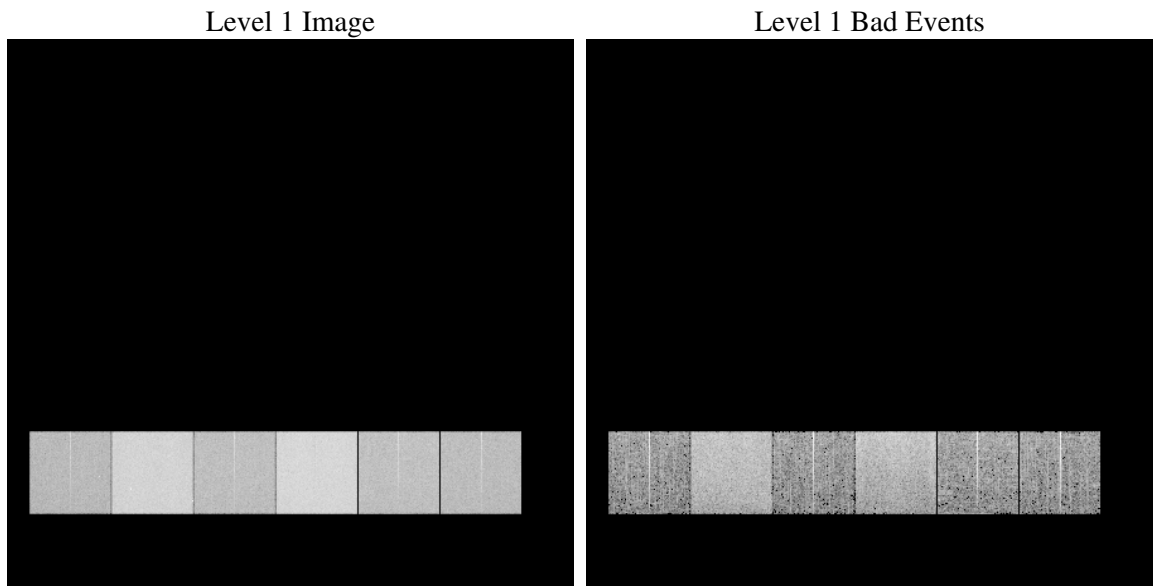
1 Front

seq_num	
obs_id	60719
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	273.97315407126
dec_nom	-6.7896277966222
roll_nom	125.81173311614
revision	2
ontime	8459.4510565102
livetime	8352.3323935628
ontime4	4071.2870452702
ontime5	8459.4920965135
ontime6	4424.5148922205
ontime7	8459.4510565102
ontime8	4570.4410232902
ontime9	4285.0299115479
l2events	1250558

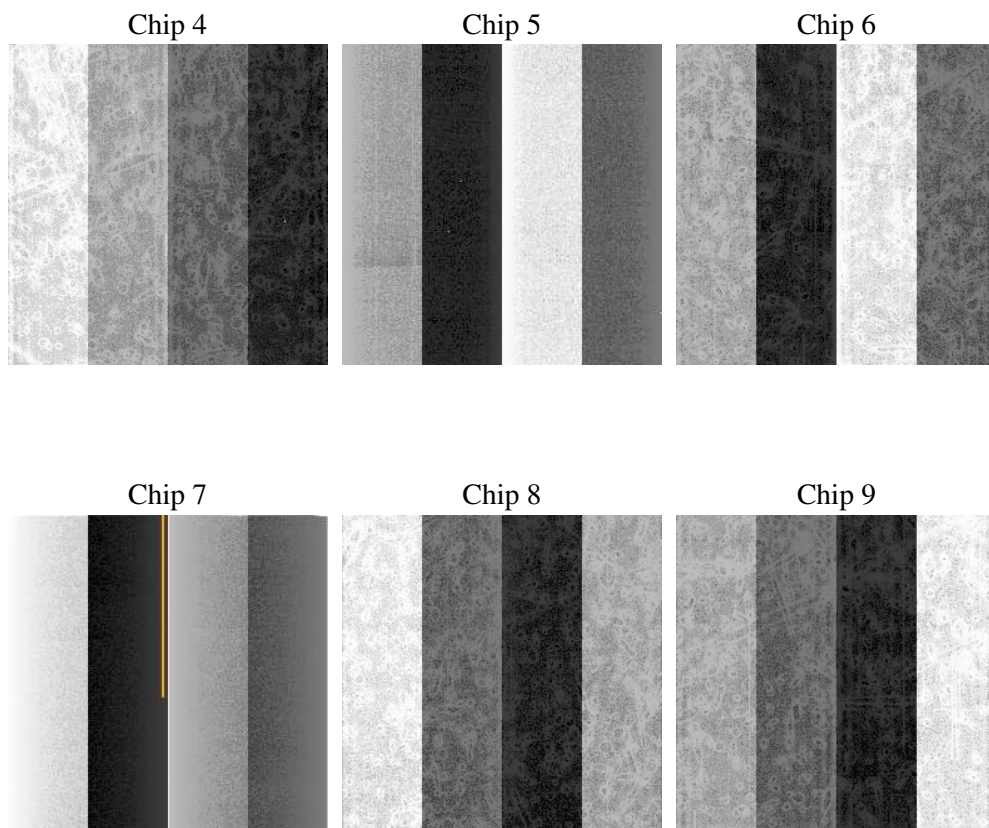
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.8.1
caldbver	3.2.2
date	2006-08-03T16:45:13
revision	2

sched_exp_time	0.0
ontime	8462.2625886798
ontime4	4073.9754574299
ontime5	8462.2625886798
ontime6	4427.2443443835
ontime7	8462.2625886798
ontime8	4573.0883954763
ontime9	4287.8824837208
l1events	1538860

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	180440	352917	206746	386046	217498	195213
rejected events	27464	59816	27549	53988	30719	28191
rejected %	15%	16%	13%	13%	14%	14%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	89432	33839	97813	59324	102922	92118
	49%	9%	47%	15%	47%	47%
grade 1 events	543	98	429	162	477	491
	0%	0%	0%	0%	0%	0%
grade 2 events	23934	140205	30899	100630	32612	29052
	13%	39%	14%	26%	14%	14%
grade 3 events	10227	9911	11228	24462	12045	10563
	5%	2%	5%	6%	5%	5%
grade 4 events	10216	9413	11119	24127	12033	10603
	5%	2%	5%	6%	5%	5%
grade 5 events	1804	6502	1987	6916	2356	2118
	0%	1%	0%	1%	1%	1%
grade 6 events	19291	99837	28281	123638	27298	24782
	10%	28%	13%	32%	12%	12%
grade 7 events	24993	53112	24990	46787	27755	25486
	13%	15%	12%	12%	12%	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	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	273.9731540712605	Alternating exposures requested	N	N
Pointing Dec	0	-6.789627796622153	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	125.8117331161409			
SIM focus pos (mm)	-0.684267	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	170919354.446007	170919353.42129			
Observation start date	2003-06-02T05:35:54	2003-06-02T05:35:53			
Observation end time	170942580.946992	170942579.92227			
Observation end date	2003-06-02T12:03:01	2003-06-02T12:02:59			
Read mode	TIMED	TIMED			

2.3 Aspect

2.4 Star Slots

2.5 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.08.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.45945105

A.2 Comments