

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 61187 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Sep 16 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

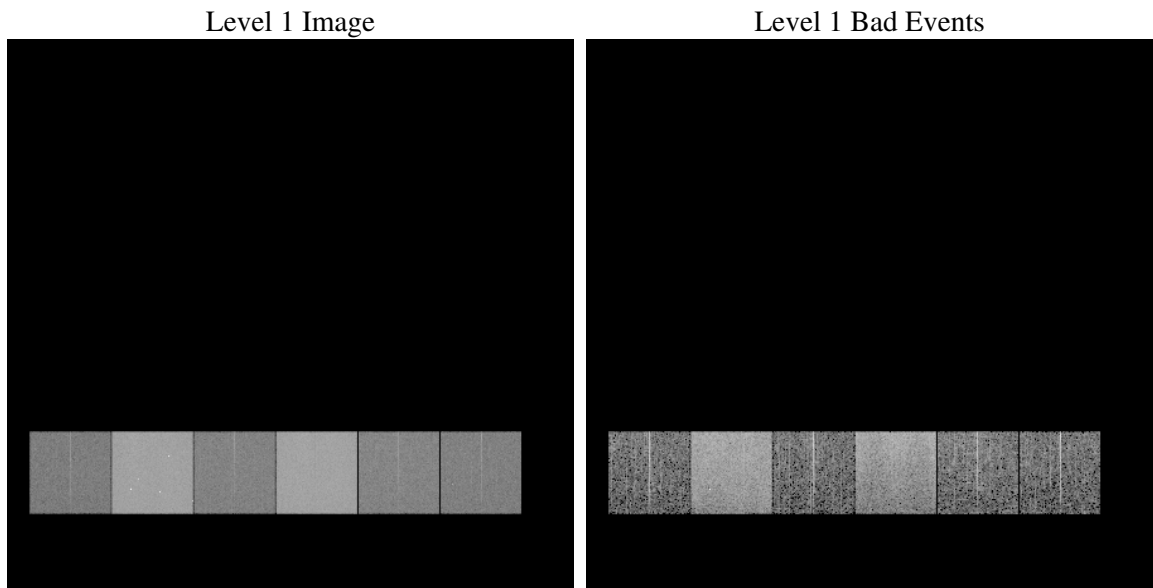
1 Front

seq_num	
obs_id	61187
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	351.97509101603
dec_nom	-11.485057464202
roll_nom	115.71985636825
revision	2
ontime	6991.48341313
livetime	6902.9530403871
ontime4	2557.8156864345
ontime5	7484.9119751453
ontime6	2834.1479463875
ontime7	6991.48341313
ontime8	2963.8708087802
ontime9	2746.5166968405
l2events	1201789

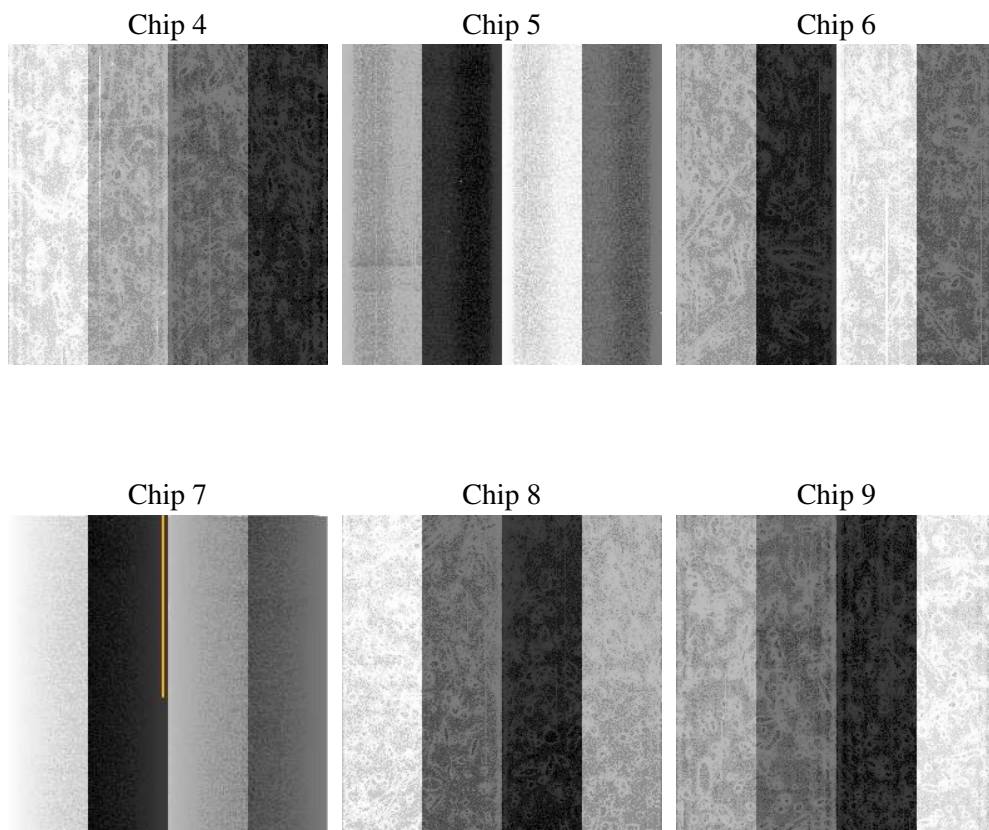
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-09-16T21:20:59
revision	2

sched_exp_time	0.0
ontime	6994.0864600241
ontime4	2560.4187333286
ontime5	7486.7120418251
ontime6	2835.9069730639
ontime7	6994.0864600241
ontime8	2965.5477554798
ontime9	2748.3988435268
l1events	1446519

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	144735	393892	169523	400223	179216	158930
rejected events	20359	58457	20390	48566	23003	19979
rejected %	14%	14%	12%	12%	12%	12%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	70509	44467	81515	64697	86381	76185
	48%	11%	48%	16%	48%	47%
grade 1 events	398	296	387	149	454	407
	0%	0%	0%	0%	0%	0%
grade 2 events	21981	158476	25869	105708	27549	24632
	15%	40%	15%	26%	15%	15%
grade 3 events	7578	11856	9234	26671	10001	8557
	5%	3%	5%	6%	5%	5%
grade 4 events	7475	11614	9188	25670	9770	8856
	5%	2%	5%	6%	5%	5%
grade 5 events	1229	6615	1481	6370	1728	1520
	0%	1%	0%	1%	0%	0%
grade 6 events	16972	109181	23498	129074	22682	20898
	11%	27%	13%	32%	12%	13%
grade 7 events	18593	51387	18351	41884	20651	17875
	12%	13%	10%	10%	11%	11%

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	351.9750910160309	Alternating exposures requested	N	N
Pointing Dec	0	-11.48505746420246	Primary exposure time	3.2	3.2
Pointing Roll	0.0	115.7198563682479			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	138437303.993364	138437302.96864			
Observation start date	2002-05-22T06:48:24	2002-05-22T06:48:22			
Observation end time	138472752.594812	138472751.57009			
Observation end date	2002-05-22T16:39:13	2002-05-22T16:39:11			
Read mode	TIMED	TIMED			

2.3 Aspect

2.4 Star Slots

2.5 FID Slots

A Summary

A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2006.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.99148341

A.2 Comments