

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 59982 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Apr 13 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

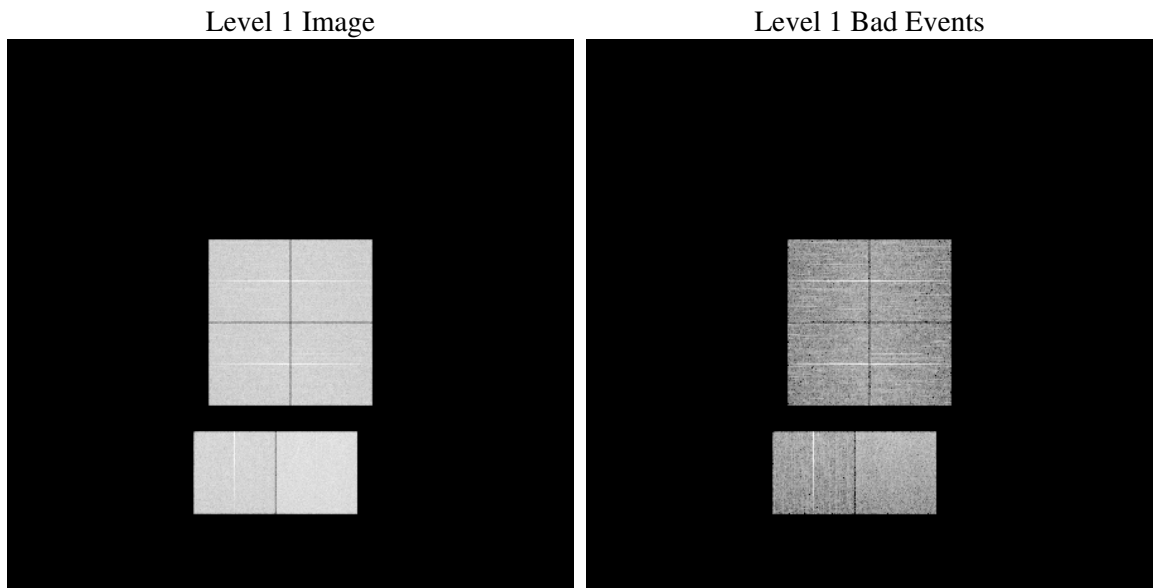
1 Front

seq_num	
obs_id	59982
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	40.010020735144
dec_nom	10.026821030677
roll_nom	36.918247597582
revision	2
ontime	7797.2614634335
livetime	7698.5278438363
ontime0	5979.1205394268
ontime1	6086.1129910946
ontime2	5849.5627321601
ontime3	5998.484090656
ontime6	6306.5809303522
ontime7	7797.2614634335
l2events	1066577

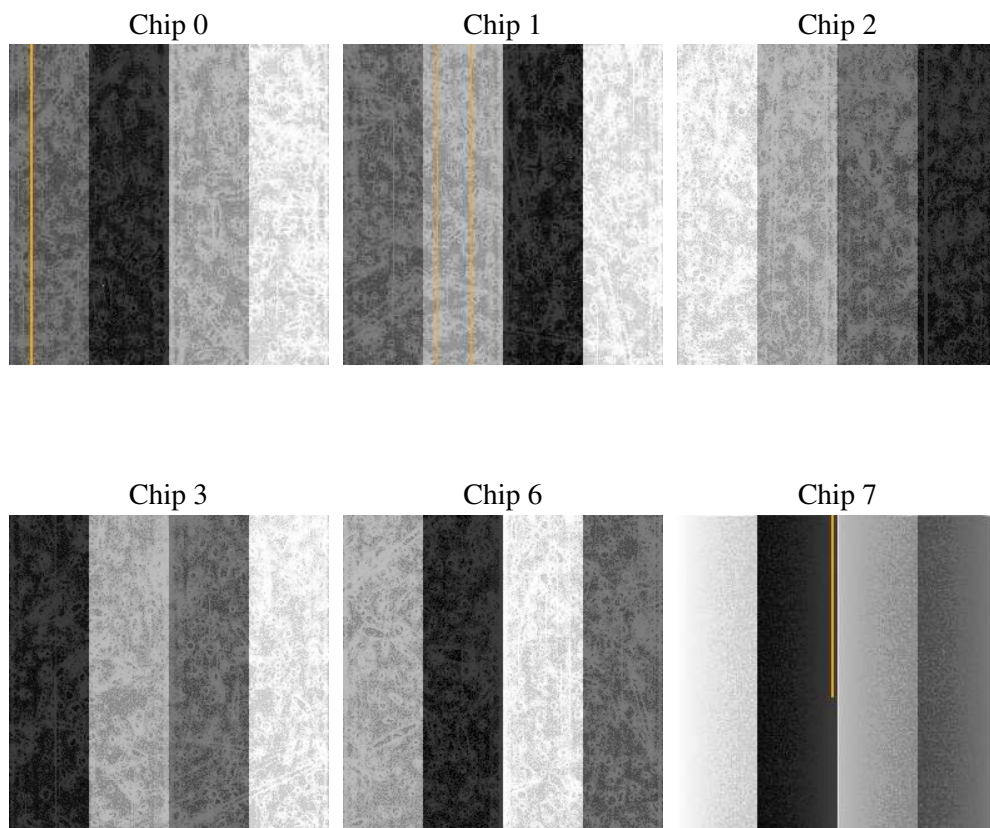
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-13T20:00:00
revision	2

sched_exp_time	0.0
ontime	7797.8513794541
ontime0	5979.6694154441
ontime1	6086.6208271086
ontime2	5850.0295281708
ontime3	5999.11504668
ontime6	6307.0066863894
ontime7	7797.8513794541
l1events	1413260

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	217471	220192	215317	220466	240053	299761
rejected events	46094	45594	45546	46651	49269	60403
rejected %	21%	20%	21%	21%	20%	20%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	93819	94814	94783	96711	102575	41506
	43%	43%	44%	43%	42%	13%
grade 1 events	594	547	686	617	564	131
	0%	0%	0%	0%	0%	0%
grade 2 events	29944	31174	28671	29566	33047	71740
	13%	14%	13%	13%	13%	23%
grade 3 events	11130	11187	11063	11297	11919	17094
	5%	5%	5%	5%	4%	5%
grade 4 events	10898	11147	10886	11595	11891	17008
	5%	5%	5%	5%	4%	5%
grade 5 events	2845	2881	2636	3020	3225	7227
	1%	1%	1%	1%	1%	2%
grade 6 events	25586	26276	24368	24646	31352	92010
	11%	11%	11%	11%	13%	30%
grade 7 events	42655	42166	42224	43014	45480	53045
	19%	19%	19%	19%	18%	17%

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	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	40.01002073514423	Alternating exposures requested	N	N
Pointing Dec	0	10.02682103067665	Primary exposure time	3.2	3.2
Pointing Roll	0.0	36.91824759758212			
SIM focus pos (mm)	-0.782348	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	215662437.05049	215662436.02548			
Observation start date	2004-11-01T02:13:57	2004-11-01T02:13:56			
Observation end time	215697643.75207	215697642.72706			
Observation end date	2004-11-01T12:00:44	2004-11-01T12:00:42			
Read mode	TIMED	TIMED			

2.3 Aspect

2.4 Star Slots

2.5 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.79726146

A.2 Comments