

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 60697 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Aug 7 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

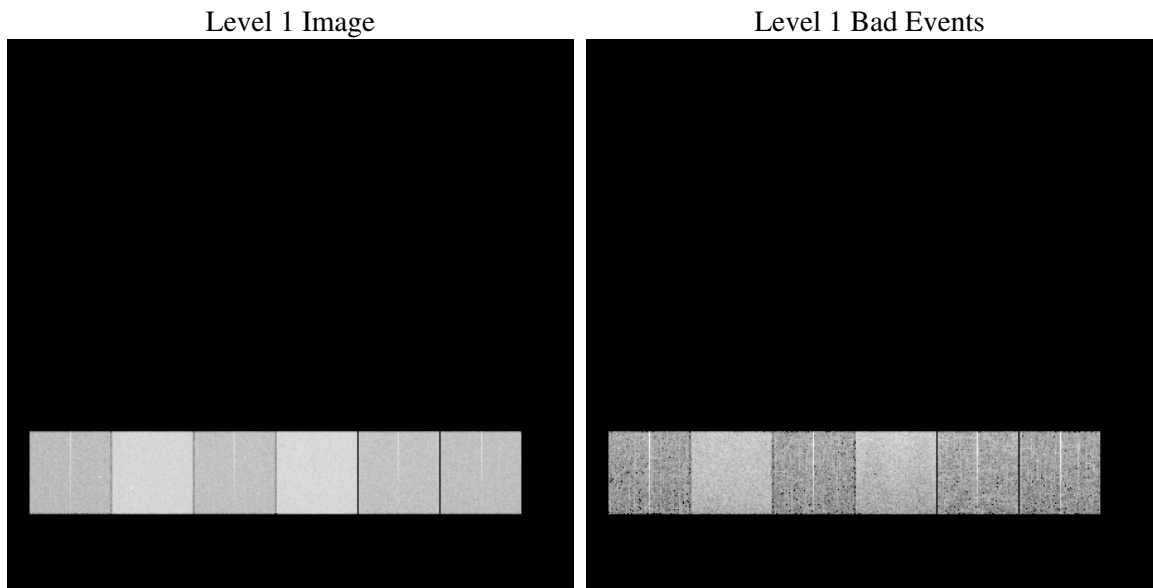
1 Front

seq_num	
obs_id	60697
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	156.20553170143
dec_nom	7.3719221879037
roll_nom	248.1312455531
revision	2
ontime	8380.7999687791
livetime	8274.6772332625
ontime4	4010.4206706882
ontime5	8380.7999687791
ontime6	4439.7801911235
ontime7	8380.7999687791
ontime8	4428.550021261
ontime9	4280.9718827307
l2events	1234859

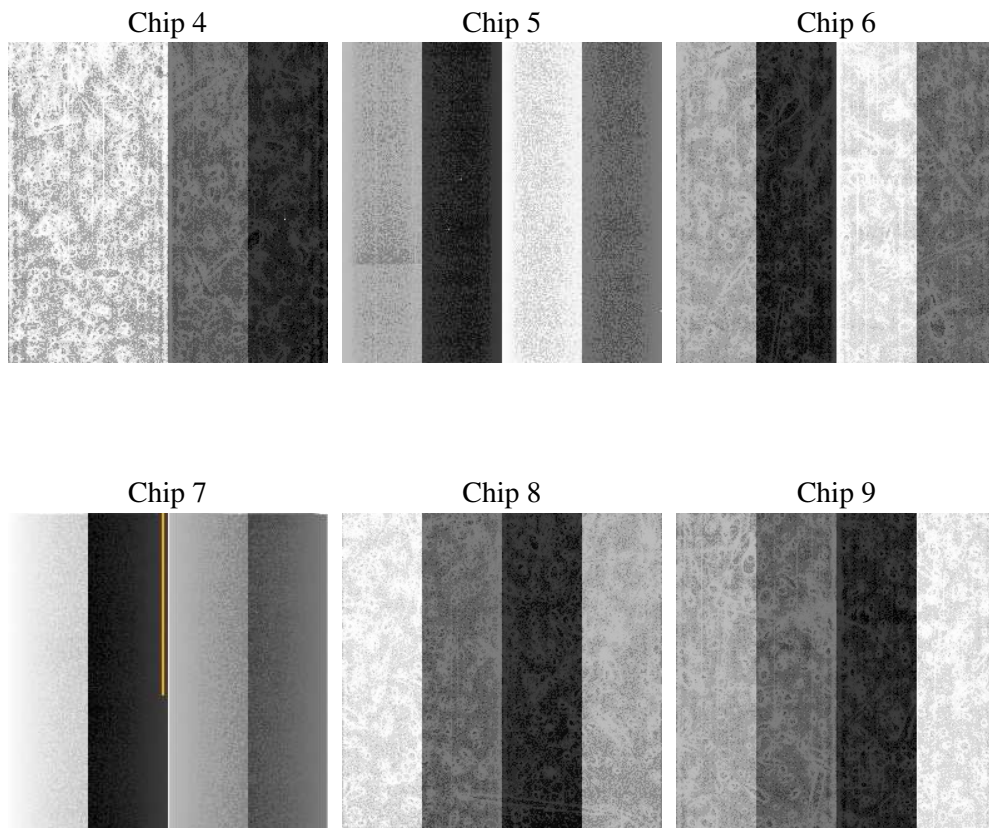
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldbver	3.2.2
date	2006-08-07T05:44:08
revision	2

sched_exp_time	0.0
ontime	8465.4909794927
ontime4	4051.2872551382
ontime5	8465.4909794927
ontime6	4485.5795787573
ontime7	8465.4909794927
ontime8	4469.3755058944
ontime9	4323.5302403569
l1events	1539436

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	180129	352433	209211	385925	214591	197147
rejected events	29463	63217	30205	57959	33875	29841
rejected %	16%	17%	14%	15%	15%	15%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	88601	32963	99019	59218	100095	93624
	49%	9%	47%	15%	46%	47%
grade 1 events	587	107	455	125	485	485
	0%	0%	0%	0%	0%	0%
grade 2 events	24190	140289	31175	100502	31945	28964
	13%	39%	14%	26%	14%	14%
grade 3 events	10200	9693	11270	24265	11682	10753
	5%	2%	5%	6%	5%	5%
grade 4 events	10050	9462	11151	23833	11817	10700
	5%	2%	5%	6%	5%	5%
grade 5 events	1763	6578	2118	7131	2384	2078
	0%	1%	1%	1%	1%	1%
grade 6 events	19247	99644	28321	123488	26810	24957
	10%	28%	13%	31%	12%	12%
grade 7 events	25491	53697	25702	47363	29373	25586
	14%	15%	12%	12%	13%	12%

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	156.2055317014325	Alternating exposures requested	N	N
Pointing Dec	0	7.371922187903654	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	248.1312455530978			
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	171604956.475071	171604955.45038			
Observation start date	2003-06-10T04:02:36	2003-06-10T04:02:35			
Observation end time	171627865.226042	171627864.20135			
Observation end date	2003-06-10T10:24:25	2003-06-10T10:24:24			
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)	2006.08.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.38079996

A.2 Comments