

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 61143 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Sep 21 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

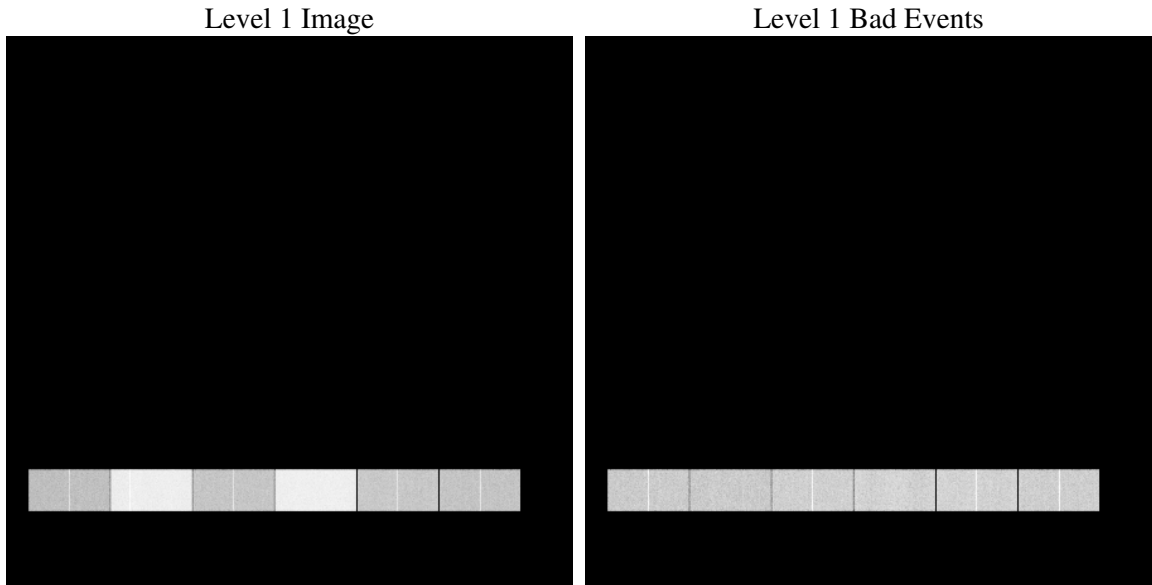
1 Front

seq_num	
obs_id	61143
title	ACIS-456789 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
ra_targ	0.0
dec_targ	0.0
ra_nom	338.9731514747
dec_nom	14.511969584171
roll_nom	122.4697651334
revision	2
ontime	8849.3409931362
livetime	8814.7732548817
ontime4	2825.8599191606
ontime5	9530.25
ontime6	3141.045966357
ontime7	8849.3409931362
ontime8	3181.9033381343
ontime9	3127.9131568074
l2events	955714

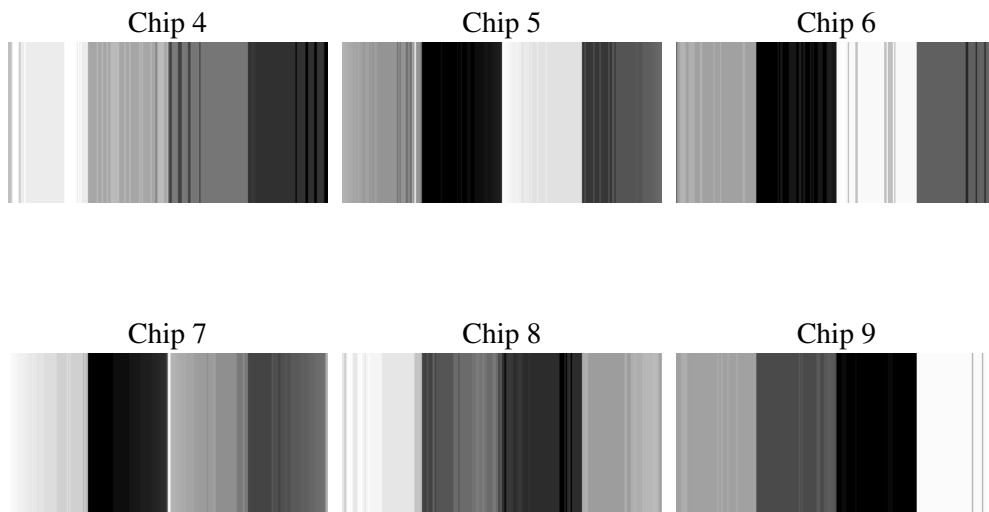
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-21T12:46:15
revision	2

sched_exp_time	0.0
ontime	8849.949125886
ontime4	2826.4680519998
ontime5	9531.3790506124
ontime6	3141.6540696621
ontime7	8849.949125886
ontime8	3182.5114708841
ontime9	3128.5212896168
l1events	1694776

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	146950	504663	173768	516031	186391	166973	grade 0 events	7030	26294	11809	65013	17102	11409
rejected events	103639	99384	117156	123433	125452	113360		4%	5%	6%	12%	9%	6%
rejected %	70%	19%	67%	23%	67%	67%	grade 1 events	24	89	62	179	90	49
								0%	0%	0%	0%	0%	0%
							grade 2 events	83235	214310	93984	147892	92183	89841
								56%	42%	54%	28%	49%	53%
							grade 3 events	1208	7303	1711	26295	2507	1557
								0%	1%	0%	5%	1%	0%
							grade 4 events	1198	7145	1628	25883	2582	1582
								0%	1%	0%	5%	1%	0%
							grade 5 events	1739	8116	1755	9421	1971	1702
								1%	1%	1%	1%	1%	1%
							grade 6 events	24676	150448	31265	159145	30876	29165
								16%	29%	17%	30%	16%	17%
							grade 7 events	27840	90958	31554	82203	39080	31668
								18%	18%	18%	15%	20%	18%

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	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	338.9731514747008	Alternating exposures requested	N	N
Pointing Dec	0	14.51196958417136	Primary exposure time	0	0
Pointing Roll	0.0	122.4697651334013			
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	141902587.235089	141902586.21035			
Observation start date	2002-07-01T09:23:07	2002-07-01T09:23:06			
Observation end time	141925081.88599	141925080.86128			
Observation end date	2002-07-01T15:38:02	2002-07-01T15:38:00			
Read mode	CONTINUOUS	CONTINUOUS			

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)	2006.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.84934099

A.2 Comments

Focal plane temperature is warmer than -118 degrees during initial ~2 ksec of observation. The ACIS calibrations are not verified or necessarily applicable for focal plane temperatures warmer than -118 degrees.