

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 60224 - L2 Version _e1
Chandra X-Ray Center

L2 Processing Date : May 17 2006

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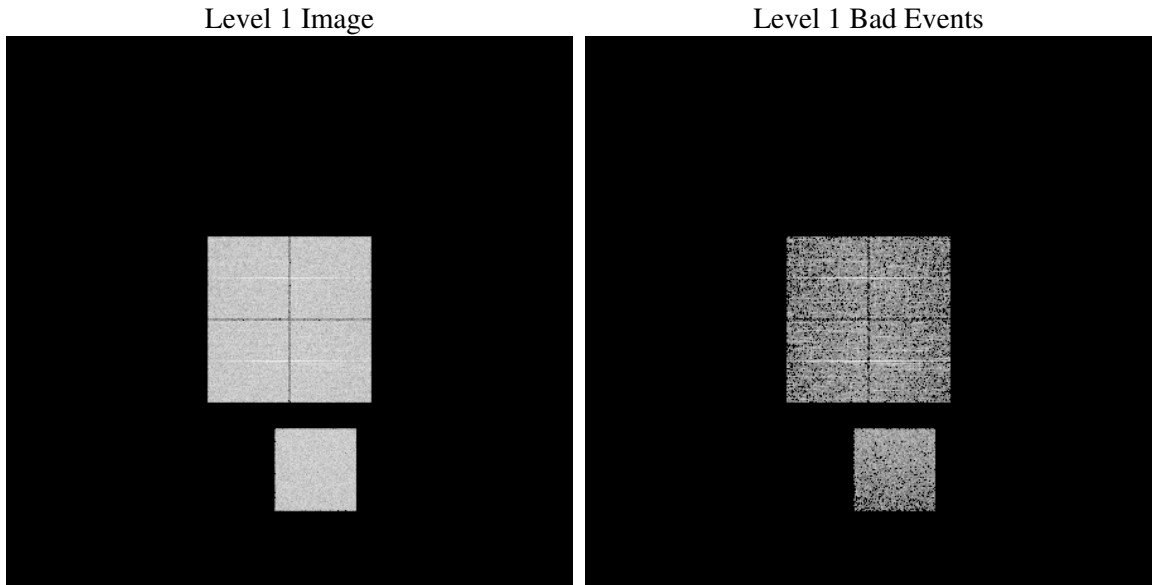
1 Front

seq_num	
obs_id	60224
title	ACIS-01237 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	325.97091955142
dec_nom	39.017512604821
roll_nom	109.35025210511
revision	2
ontime	3822.717939198
livetime	1685.4303958906
ontime0	3822.8820992112
ontime1	3822.8410592079
ontime2	3822.8000490963
ontime3	3822.7589792013
ontime7	3822.717939198
l2events	255611

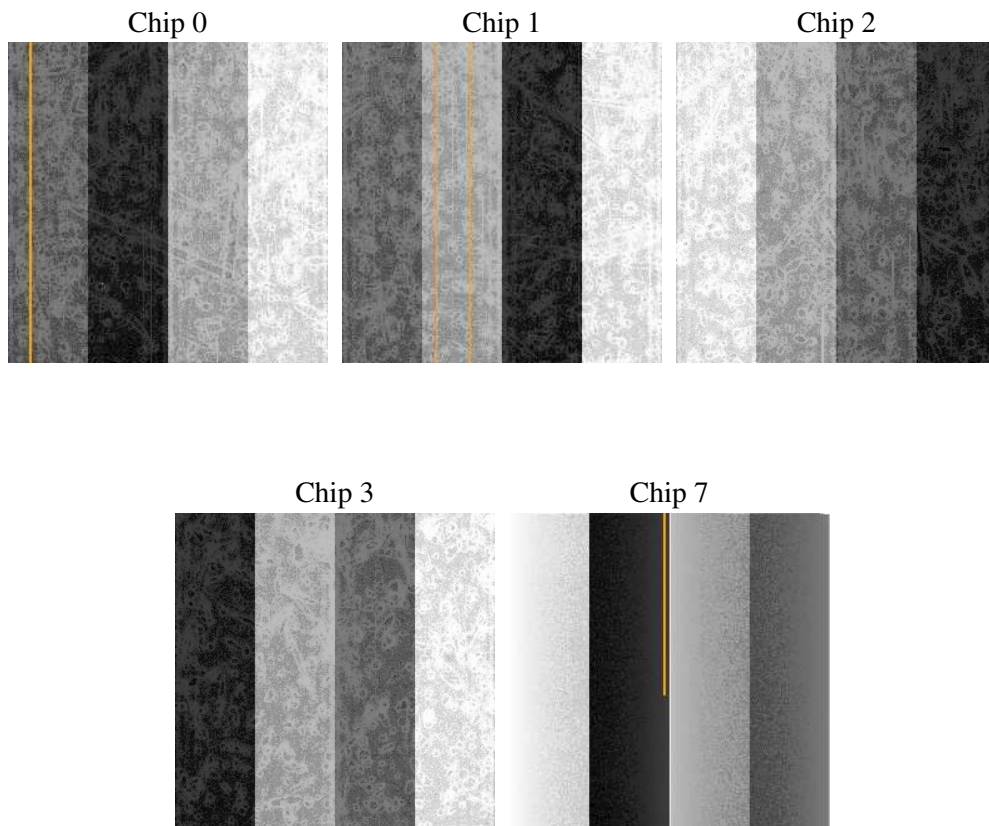
2 OBI Primary

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-05-17T12:22:09
revision	2

sched_exp_time	0.0
ontime	3827.4120099843
ontime0	3827.4120099843
ontime1	3827.4120099843
ontime2	3827.4120099843
ontime3	3827.4120099843
ontime7	3827.4120099843
llevents	336837

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	65649	66235	67821	68253	68879
rejected events	12889	12807	14559	14423	13075
rejected %	19%	19%	21%	21%	18%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	29366	29427	30026	30288	9977
	44%	44%	44%	44%	14%
grade 1 events	146	151	169	158	30
	0%	0%	0%	0%	0%
grade 2 events	9139	9580	9001	9248	16933
	13%	14%	13%	13%	24%
grade 3 events	3409	3354	3549	3559	4161
	5%	5%	5%	5%	6%
grade 4 events	3417	3459	3491	3580	4049
	5%	5%	5%	5%	5%
grade 5 events	771	822	774	864	1636
	1%	1%	1%	1%	2%
grade 6 events	7512	7675	7279	7232	20771
	11%	11%	10%	10%	30%
grade 7 events	11889	11767	13532	13324	11322
	18%	17%	19%	19%	16%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01237	ACIS-01237	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	325.970919551415	Alternating exposures requested	N	Y
Pointing Dec	0	39.01751260482062	Primary exposure time	0.000000	2.5
Pointing Roll	0.0	109.350252105106	Secondary exposure time	N/A	3.2
SIM focus pos (mm)	-0.782348	-0.7809083437167272	Duty cycle	N/A	1
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	201728283.030533	201728282.00551			
Observation start date	2004-05-23T19:38:03	2004-05-23T19:38:02			
Observation end time	201741228.781106	201741227.75608			
Observation end date	2004-05-23T23:13:49	2004-05-23T23:13:47			
Read mode	TIMED	TIMED			

2.3 Aspect

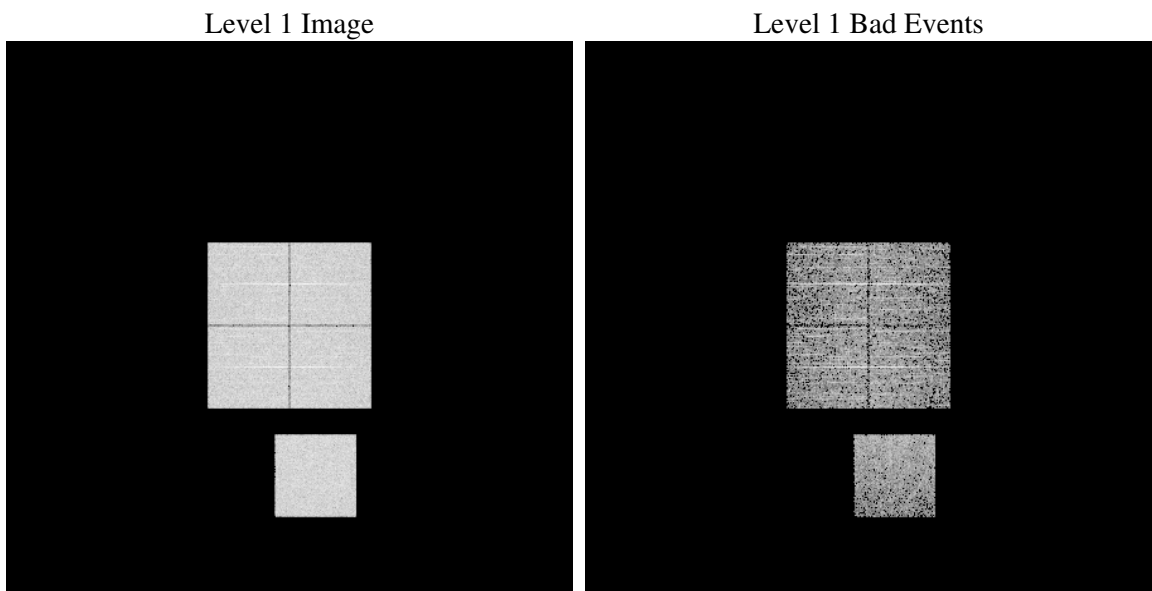
2.4 Star Slots

2.5 FID Slots

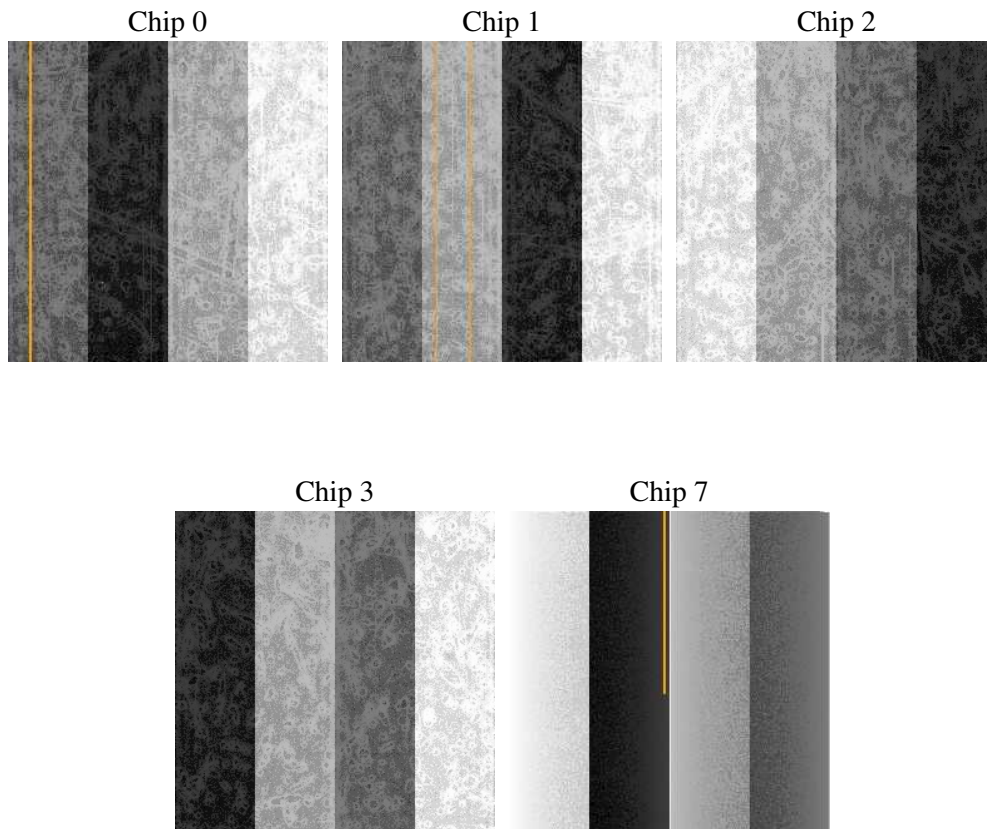
3 OBI Secondary

3.1 OBI

3.1.1 Images



3.1.2 Bias



3.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-05-17T12:23:20
revision	2

sched_exp_time	0.0
ontime	2190.9430341721
ontime0	2190.9430341721
ontime1	2190.9430341721
ontime2	2190.9430341721
ontime3	2190.9430341721
ontime7	2190.9430341721
l1events	420417

3.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	82631	82449	84350	84255	86732
rejected events	15483	15176	16504	16363	15929
rejected %	18%	18%	19%	19%	18%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	37151	36838	38066	37980	11984
	44%	44%	45%	45%	13%
grade 1 events	194	177	214	220	40
	0%	0%	0%	0%	0%
grade 2 events	11622	11875	11516	11705	21463
	14%	14%	13%	13%	24%
grade 3 events	4365	4191	4428	4548	5046
	5%	5%	5%	5%	5%
grade 4 events	4260	4430	4413	4405	5114
	5%	5%	5%	5%	5%
grade 5 events	991	926	938	1065	1935
	1%	1%	1%	1%	2%
grade 6 events	9848	10036	9529	9343	27291
	11%	12%	11%	11%	31%
grade 7 events	14200	13976	15246	14989	13859
	17%	16%	18%	17%	15%

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.05.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.01037941

A.2 Comments