

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 60647 - L2 Version _e1
Chandra X-Ray Center

L2 Processing Date : Jul 14 2006

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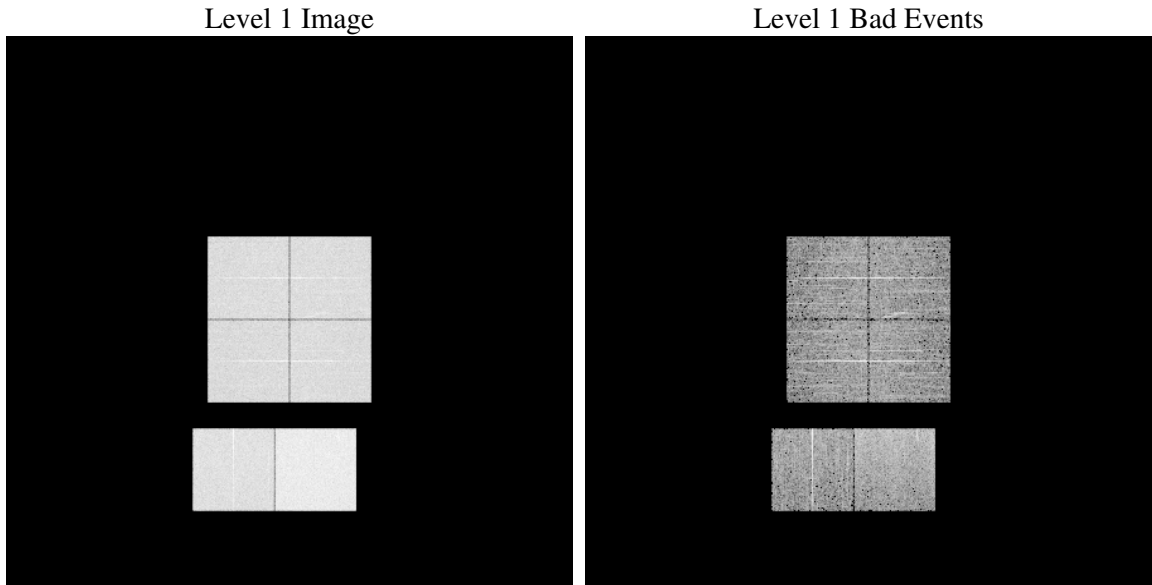
1 Front

seq_num	
obs_id	60647
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	167.04598573021
dec_nom	58.984002491878
roll_nom	293.09196806235
revision	2
ontime	6658.9190741181
livetime	6591.292413951
ontime0	4779.8354725838
ontime1	4748.9022674263
ontime2	4444.4291523099
ontime3	4558.8913072646
ontime6	4985.9285127521
ontime7	6658.9190741181
l2events	1098831

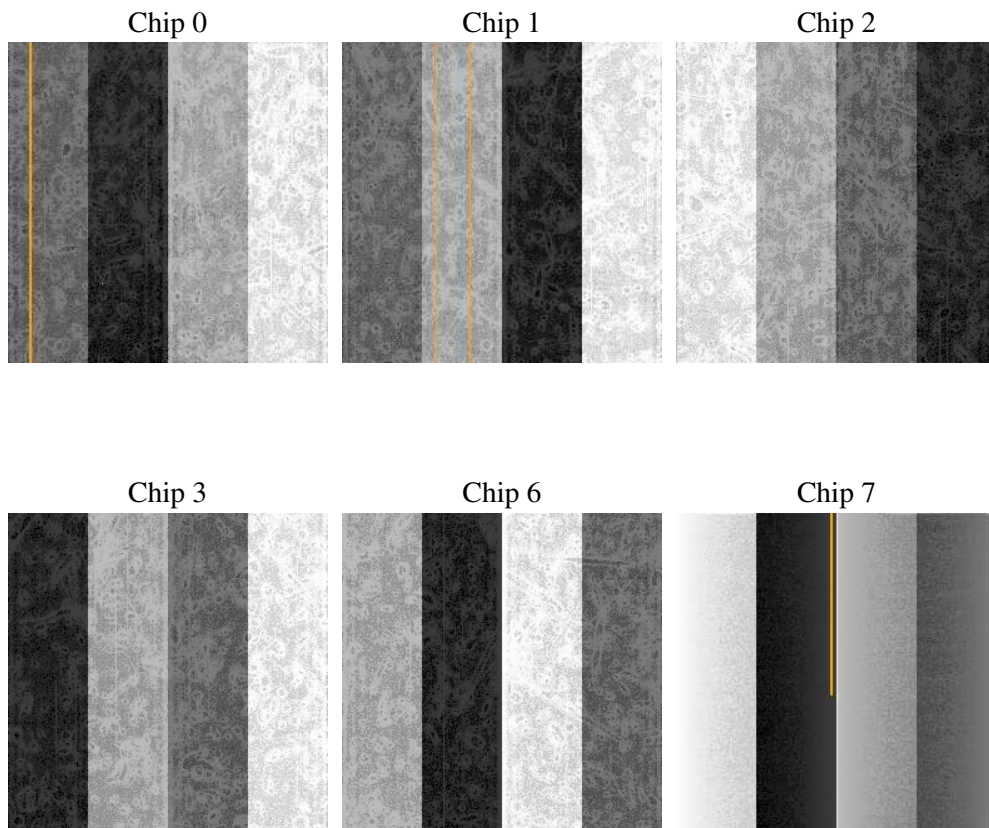
2 OBI Primary

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-14T18:24:00
revision	2

sched_exp_time	0.0
ontime	6663.6749654412
ontime0	4784.5913639069
ontime1	4752.2630438805
ontime2	4449.185043633
ontime3	4562.3341637254
ontime6	4990.6844040751
ontime7	6663.6749654412
l1events	1334683

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	205819	205264	196949	201108	227263	298280
rejected events	27542	28039	28033	28366	31191	39970
rejected %	13%	13%	14%	14%	13%	13%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	98709	97674	94997	97062	106751	48693
	47%	47%	48%	48%	46%	16%
grade 1 events	600	505	655	628	564	103
	0%	0%	0%	0%	0%	0%
grade 2 events	30680	31331	28259	29633	33850	77298
	14%	15%	14%	14%	14%	25%
grade 3 events	11460	11323	10913	11186	12250	19663
	5%	5%	5%	5%	5%	6%
grade 4 events	11363	11183	11165	11363	12244	19230
	5%	5%	5%	5%	5%	6%
grade 5 events	2026	2024	1931	2134	2282	5468
	0%	0%	0%	1%	1%	1%
grade 6 events	26218	25856	23739	23677	31120	93591
	12%	12%	12%	11%	13%	31%
grade 7 events	24763	25368	25290	25425	28202	34234
	12%	12%	12%	12%	12%	11%

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	167.0459857302091	Alternating exposures requested	N	Y
Pointing Dec	0	58.98400249187833	Primary exposure time	0.000000	4
Pointing Roll	0.0	293.0919680623475	Secondary exposure time	N/A	3.2
SIM focus pos (mm)	-0.782348	-0.6828225247311905	Duty cycle	N/A	1
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	174759931.209278	174759930.18457			
Observation start date	2003-07-16T16:25:31	2003-07-16T16:25:30			
Observation end time	174782196.260226	174782195.23552			
Observation end date	2003-07-16T22:36:36	2003-07-16T22:36:35			
Read mode	TIMED	TIMED			

2.3 Aspect

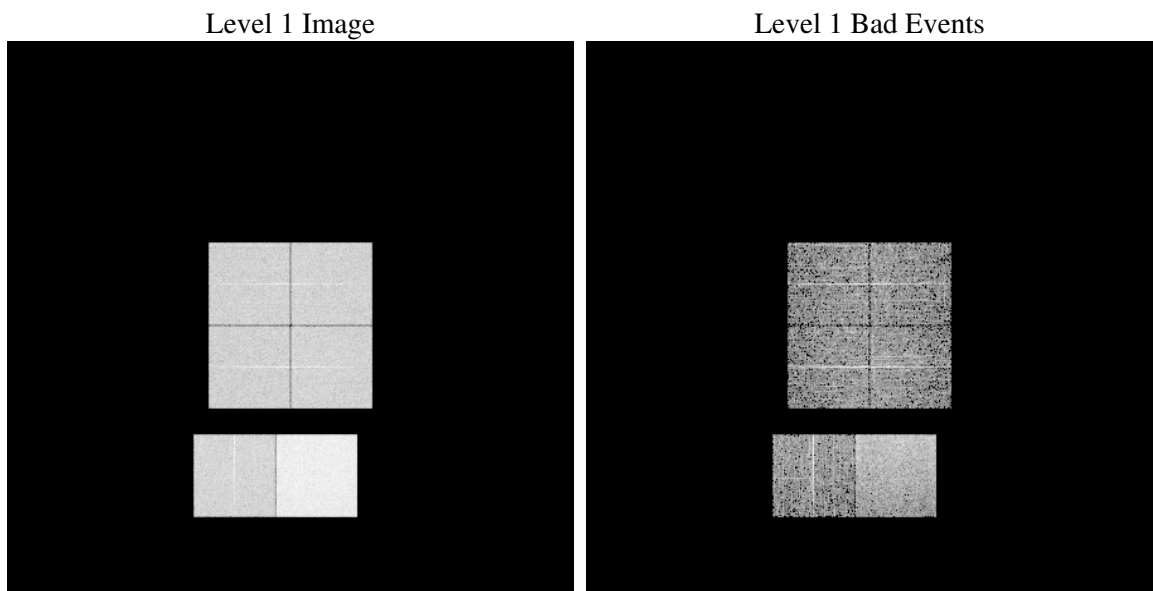
2.4 Star Slots

2.5 FID Slots

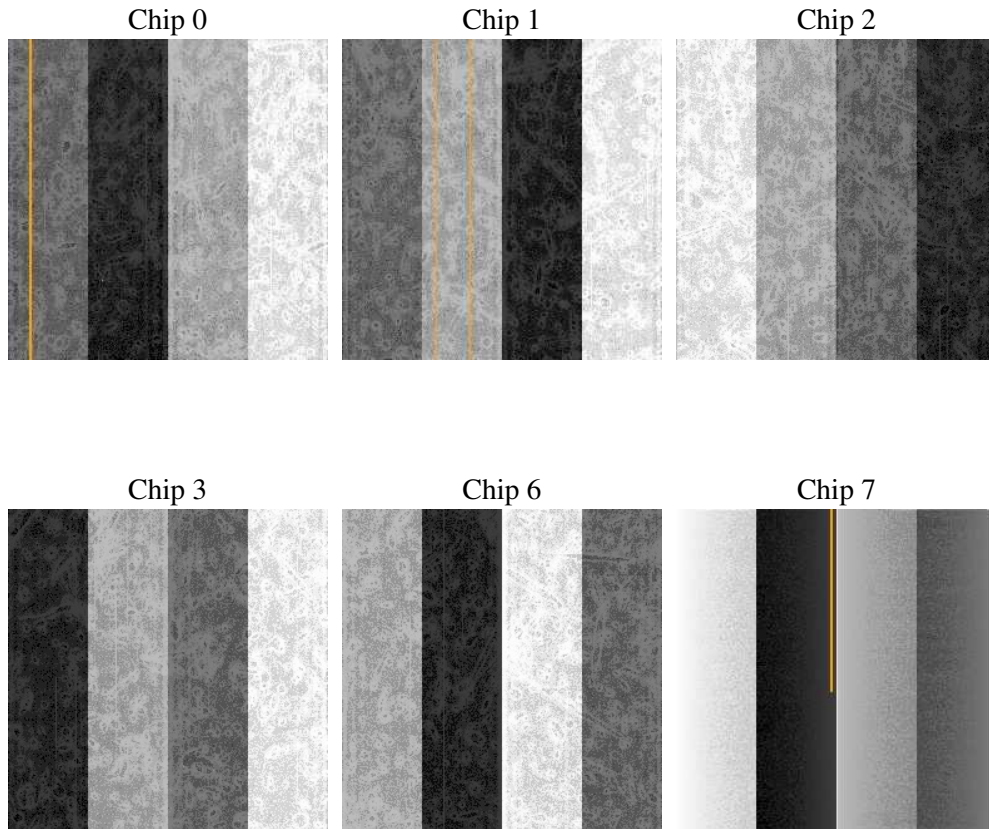
3 OBI Secondary

3.1 OBI

3.1.1 Images



3.1.2 Bias



3.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-14T18:20:03
revision	2

sched_exp_time	0.0
ontime	5347.715985775
ontime0	2703.0273528099
ontime1	2751.6429526806
ontime2	2609.0371930599
ontime3	2748.4019126892
ontime6	2822.9458324909
ontime7	5347.715985775
llevents	849968

3.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	117735	120338	116585	122525	130991	241794
rejected events	16980	16672	17668	17953	19103	34270
rejected %	14%	13%	15%	14%	14%	14%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	55552	57013	55453	59079	61468	38749
	47%	47%	47%	48%	46%	16%
grade 1 events	313	282	345	327	303	90
	0%	0%	0%	0%	0%	0%
grade 2 events	17660	18315	16927	17740	19299	61746
	14%	15%	14%	14%	14%	25%
grade 3 events	6399	6546	6396	6868	6951	15805
	5%	5%	5%	5%	5%	6%
grade 4 events	6495	6596	6411	6819	6895	15687
	5%	5%	5%	5%	5%	6%
grade 5 events	1185	1241	1113	1276	1371	4506
	1%	1%	0%	1%	1%	1%
grade 6 events	14769	15327	13874	14179	17405	75681
	12%	12%	11%	11%	13%	31%
grade 7 events	15362	15018	16066	16237	17299	29530
	13%	12%	13%	13%	13%	12%

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.0033971

A.2 Comments

Observation was done in interleaved mode.