

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 60861 - L2 Version _e1
Chandra X-Ray Center

L2 Processing Date : Jul 21 2006

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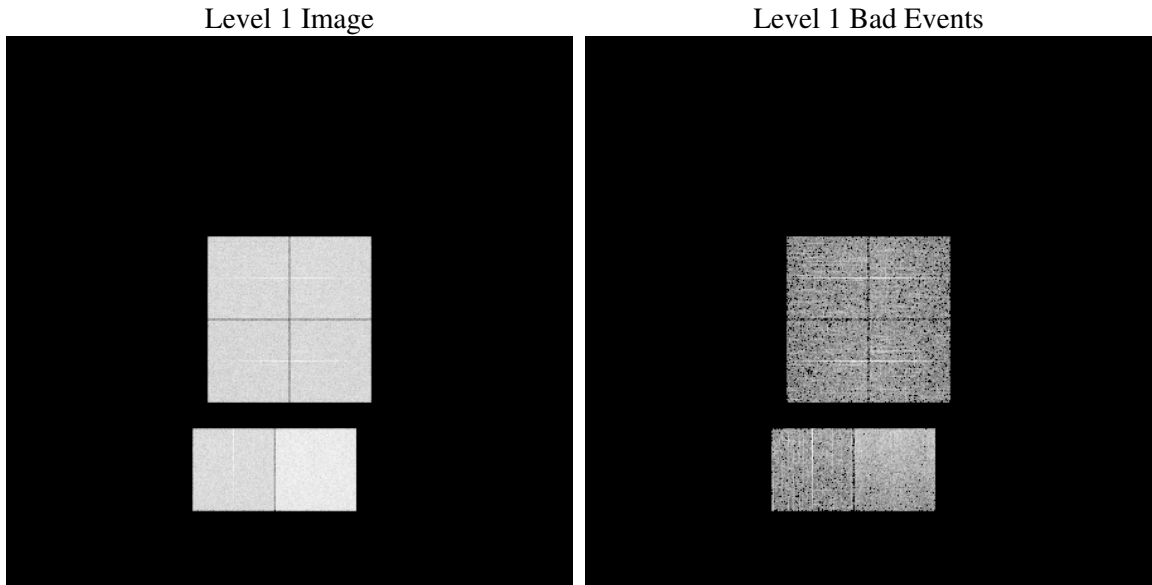
1 Front

seq_num	
obs_id	60861
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	354.03500885643
dec_nom	35.996189240789
roll_nom	319.33892923746
revision	2
ontime	4584.7675071359
livetime	4538.2055185159
ontime0	2944.2861979306
ontime1	3000.8197180033
ontime2	2766.3983578086
ontime3	2814.7919856906
ontime6	2972.368277967
ontime7	4584.7675071359
l2events	773757

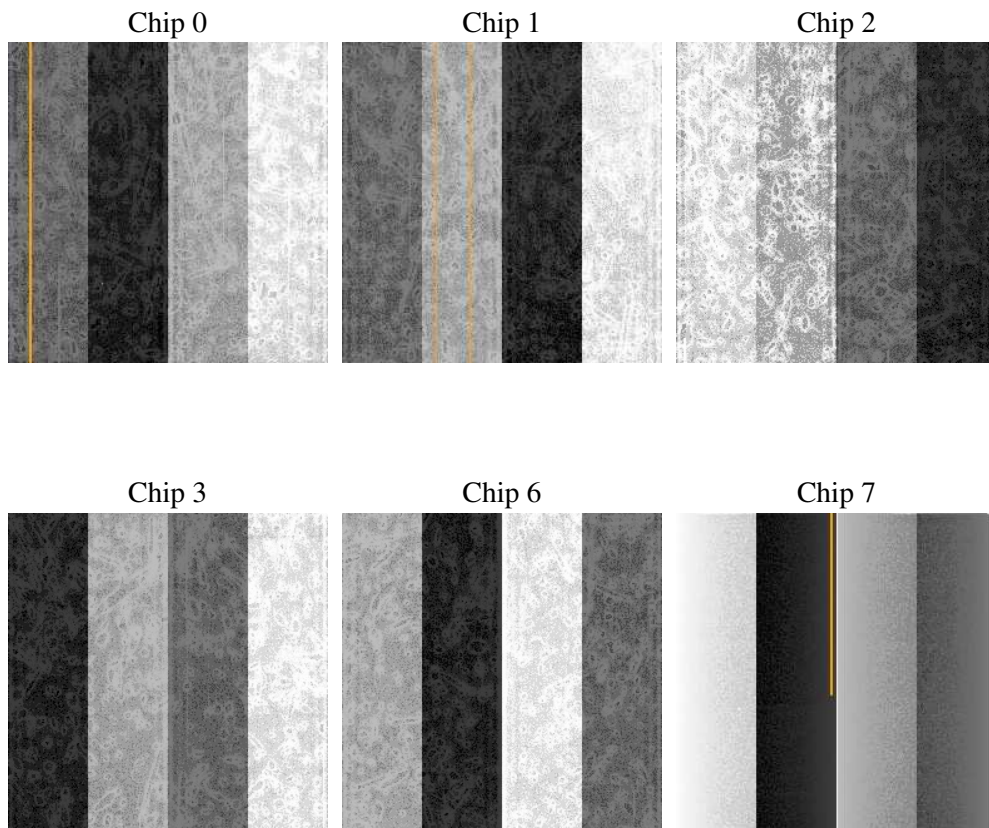
2 OBI Primary

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	2006-07-21T03:02:52
revision	2

sched_exp_time	0.0
ontime	4586.5804037452
ontime0	2945.9181624055
ontime1	3002.4927224517
ontime2	2768.1124022603
ontime3	2816.6048822999
ontime6	2974.2054424286
ontime7	4586.5804037452
l1events	927356

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	140212	142339	133535	137157	150344	223769
rejected events	17022	17389	16738	17465	19395	29121
rejected %	12%	12%	12%	12%	12%	13%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	67906	68720	65380	67112	71218	35261
	48%	48%	48%	48%	47%	15%
grade 1 events	416	364	426	438	406	81
	0%	0%	0%	0%	0%	0%
grade 2 events	21429	21939	19761	20379	22454	59144
	15%	15%	14%	14%	14%	26%
grade 3 events	8023	8042	7580	7836	8146	14303
	5%	5%	5%	5%	5%	6%
grade 4 events	7876	7807	7713	7826	8102	14064
	5%	5%	5%	5%	5%	6%
grade 5 events	1322	1382	1160	1296	1447	3894
	0%	0%	0%	0%	0%	1%
grade 6 events	17956	18442	16363	16539	21029	71876
	12%	12%	12%	12%	13%	32%
grade 7 events	15284	15643	15152	15731	17542	25146
	10%	10%	11%	11%	11%	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	354.0350088564327	Alternating exposures requested	N	Y
Pointing Dec	0	35.99618924078874	Primary exposure time	0.000000	4
Pointing Roll	0.0	319.338929237462	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	160645444.862539	160645443.83782			
Observation start date	2003-02-03T07:44:05	2003-02-03T07:44:03			
Observation end time	160657300.013037	160657298.98832			
Observation end date	2003-02-03T11:01:40	2003-02-03T11:01:38			
Read mode	TIMED	TIMED			

2.3 Aspect

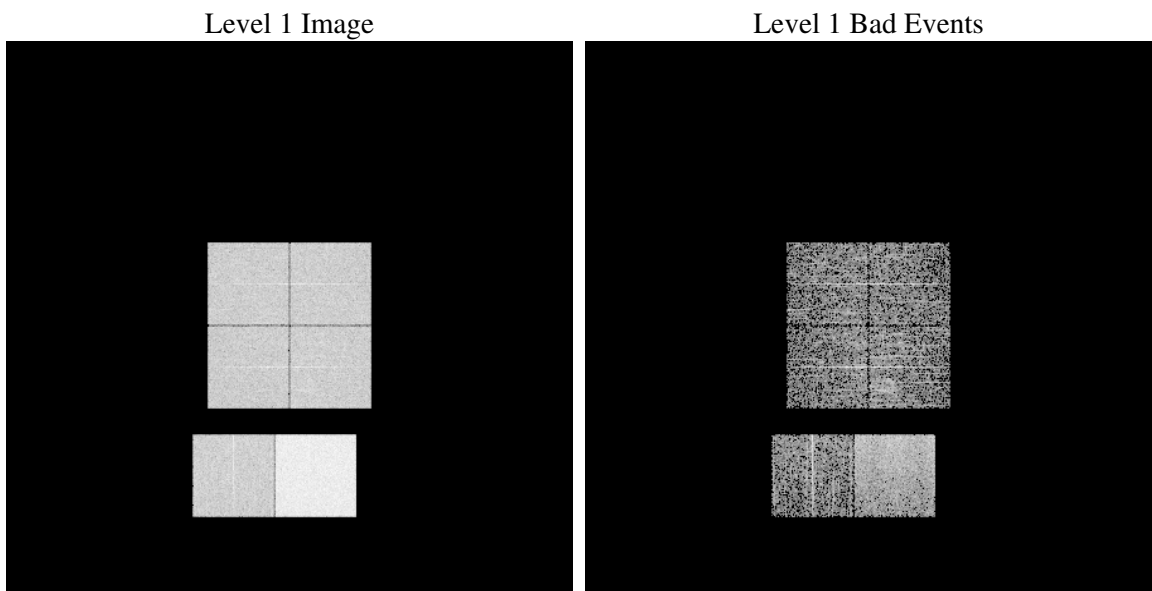
2.4 Star Slots

2.5 FID Slots

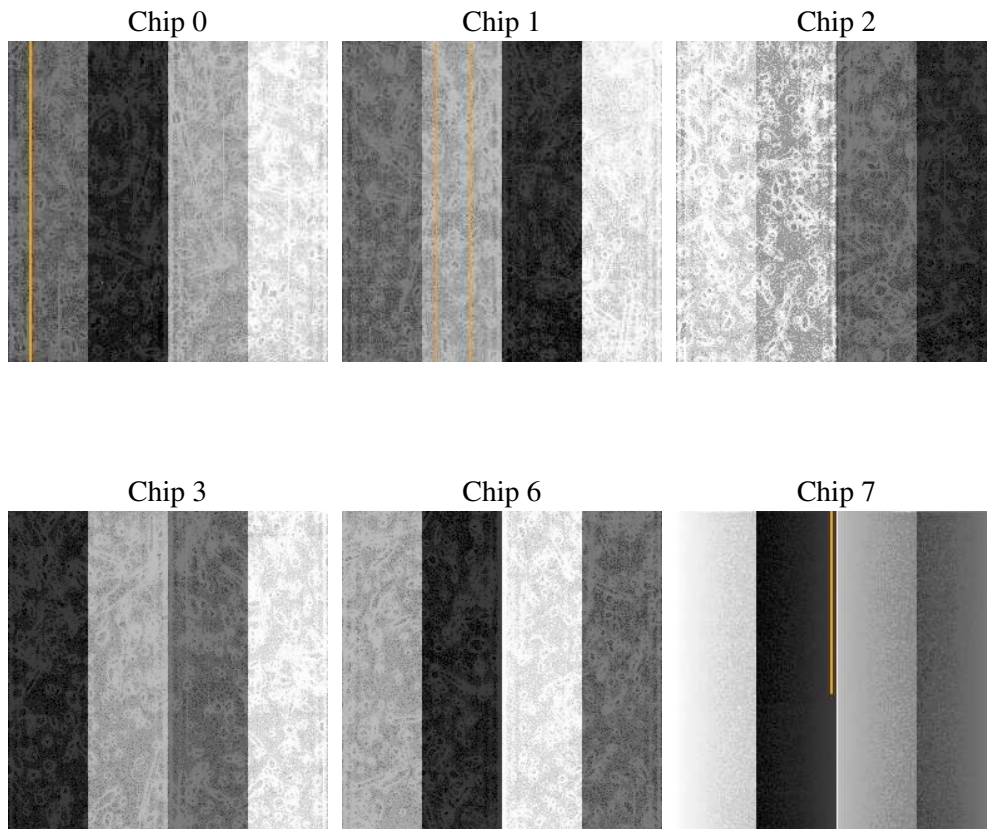
3 OBI Secondary

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	2006-07-21T03:01:55
revision	2

sched_exp_time	0.0
ontime	3678.5803902149
ontime0	1682.0997555256
ontime1	1691.8228754997
ontime2	1614.0379157066
ontime3	1662.6535155773
ontime6	1691.8228754997
ontime7	3678.5803902149
l1events	592596

3.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	81498	81615	79094	83039	86311	181039
rejected events	10753	10419	10730	12474	12197	24779
rejected %	13%	12%	13%	15%	14%	13%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	39286	39245	38514	39946	40780	27851
	48%	48%	48%	48%	47%	15%
grade 1 events	218	193	218	235	202	84
	0%	0%	0%	0%	0%	0%
grade 2 events	12231	12712	11651	11871	12692	47590
	15%	15%	14%	14%	14%	26%
grade 3 events	4704	4425	4515	4633	4493	11618
	5%	5%	5%	5%	5%	6%
grade 4 events	4457	4550	4420	4549	4524	11091
	5%	5%	5%	5%	5%	6%
grade 5 events	715	794	706	815	882	3233
	0%	0%	0%	0%	1%	1%
grade 6 events	10210	10385	9406	9685	11760	58274
	12%	12%	11%	11%	13%	32%
grade 7 events	9677	9311	9664	11305	10978	21298
	11%	11%	12%	13%	12%	11%

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.26010685

A.2 Comments

Interleave mode