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## HOW TO VERIFY THE CORRECT FRAMES WERE CAPTURED @23.98 FROM A 29.97 FILM TRANSFER

This document will exemplify how 1 second of 29.97 video footage should look when digitized into a 23.98 project utilizing a qualified capture card (not DV firewire) to pull out the correct 6 (approximately) frames a second. This is to assure that the digitized footage captured in the 23.98 project are real frames and not phantom frames so that in the on-line stage the edl that is created is frame accurate.

The following examples are frame grabs of timecode and keycode from 29.97 footage digitized in at 24 or 23.98 in Adrenaline.

AVID xpress Pro w/MOJO or a FCP suite with AJA KONA or compatible card with 23.98 Final Cut Pro "Easy Setups" will pull out the correct frames as well.

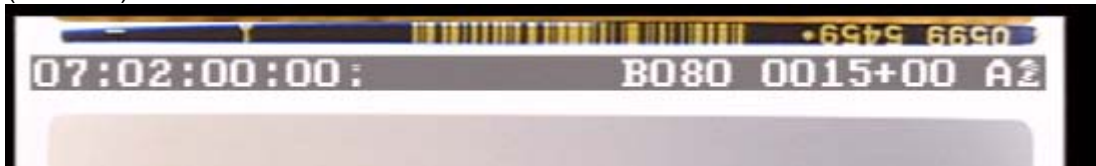
The captured footage should have timecode and keycode behaving similarly to these frame grabs. The following images are in total 1 second of footage captured at 23.98 (24)

When capturing 29.97 footage into a 23.98 project always log on a 0 or a 5 frame (these are "A" frames) Don't log on any other frames or else the cadence of the digitized footage will be off.

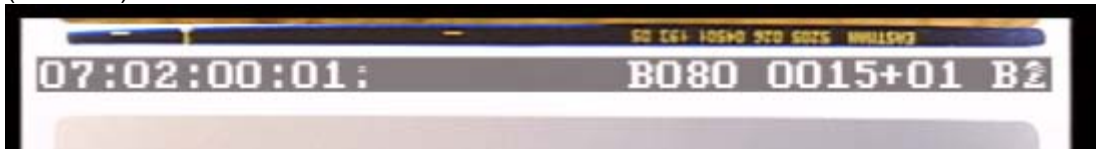
The captured 23.98 footage should not be interlaced when viewed frame by frame. There also should be no jitter when viewed at full speed. The frames captured in the 24 or 23.98 project should look like the example of 1 second of frame grabs below. Obviously if there is not a burn in of timecode or keycode on the footage this test won't work.

Notice that frames (A1 and A2) are made into 1 frame. Frames B1 and B2 are made into 1 frame. Frames (C1 and C2) are made into 1 frame. Frames (D2 and D3) are made into 1 frame. If the captured footage is not like this frame by frame then the wrong frames were captured.

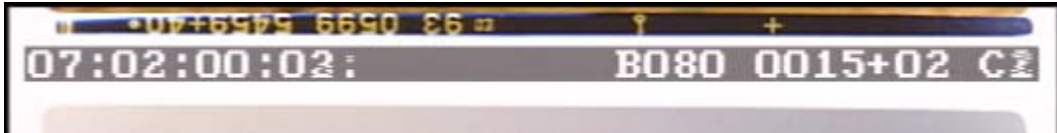
(A1 + A2)



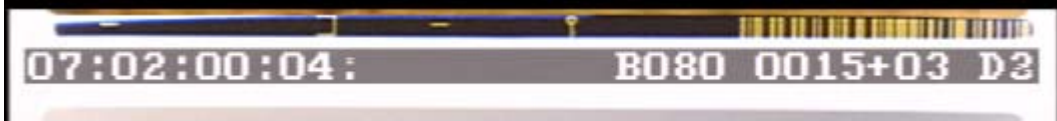
(B1 + B2)



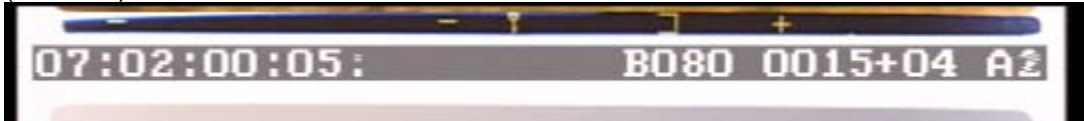
(C1 + C2)



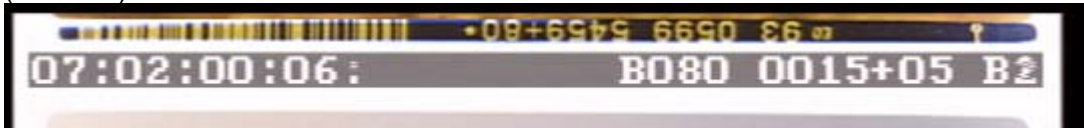
(D2 + D3)



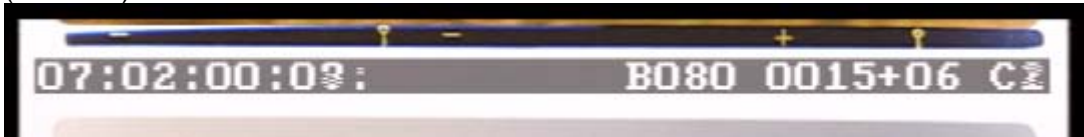
(A1 + A2)



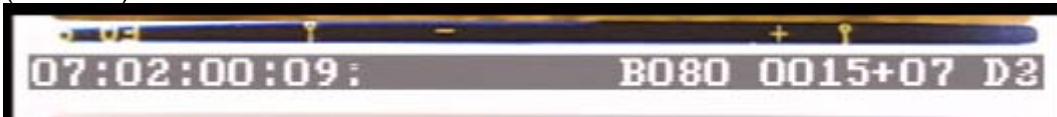
(B1 + B2)



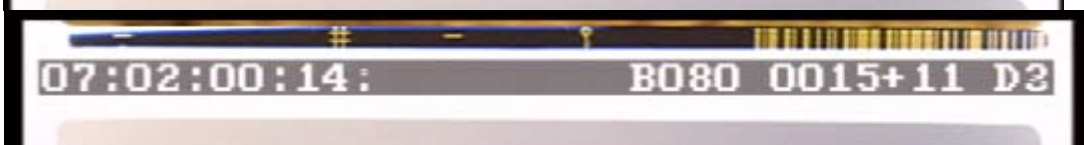
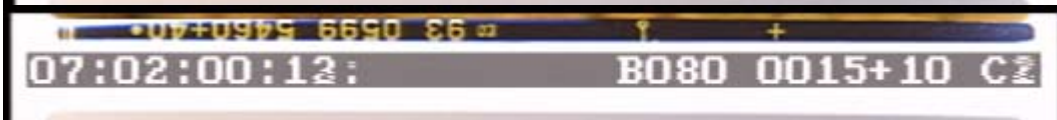
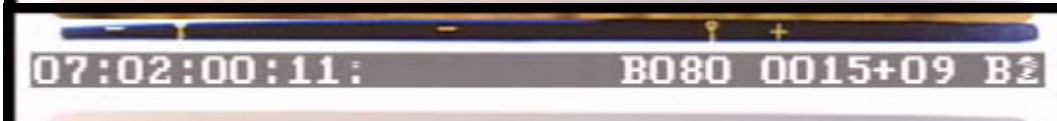
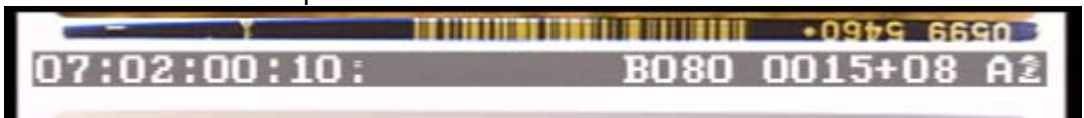
(C1 + C2)



(D2 + D3)



Continues in the same pattern shown below.



07:02:00:15: B080 0015+12 A

07:02:00:16: B080 0015+13 B

07:02:00:17: B080 0015+14 C

07:02:00:19: B080 0015+15 D

07:02:00:20: B080 0016+00 A

07:02:00:21: B080 0016+01 B

07:02:00:22: B080 0016+02 C

07:02:00:24: B080 0016+03 D

07:02:00:25: B080 0016+04 A

07:02:00:26: B080 0016+05 B

07:02:00:28: B080 0016+06 C

07:02:00:29: B080 0016+07 D

07:02:01:00: B080 0016+08 A