This test was performed to confirm that analog SMPTE could be sent reliably via Jack over a 100Mbit network.

In this case a powerbook was used as an audio source. A second powerbook was used to delay the stream (using Rax with the stock AuDelay fx plugin) and send that stream over the network to a G5.

The G5 played the audio from it's built-in audio device into an external MOTU SMPTE reader which converted the stream to MTC. In this case, the same G5 was used to monitor the MTC.

In the production setup, the audio source will come from the NTT RME D/A, a powerbook (or other G4) can be used as the "Jack Send" computer. Another G4 will be used as the Jack Receive computer and the MOTU will send the MTC via USB to the ProTools computer.

1. G4 Powerbook
Audio Source
Peak 4.1
(audio playback SMPTE 30fps)
CPU Load - ~15%

Analog Line Out

Jack Receive

2. G4 Powerbook
Jack Send / Delay
Jack, Rax, AuDelay
(SMPTE via Jack)
CPU Load - ~25%

Rax
with AuDelay

Jack Send

CAT-5

Switch
Cisco 100btx

CAT-5

MOTU
MIDI Express XT
(sequencer 30fps)

USB
MTC

3. Dual 1.8 GHz G5
Jack Receive
Logic Pro 7
(for MTC Display)
CPU Load - ~10%

Line Out
analog SMPTE
from Jack