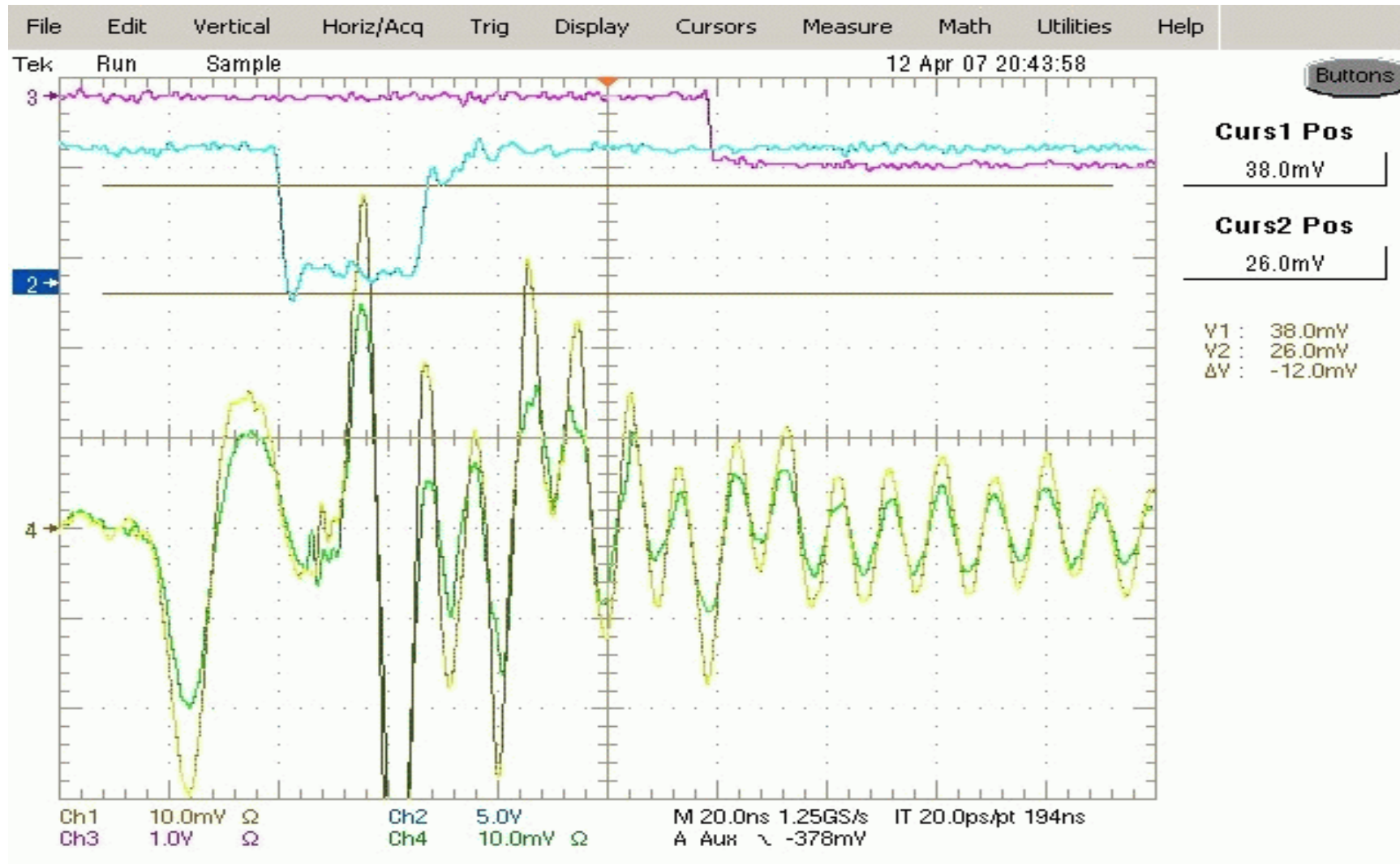# CMB, LED goes on

Xtalk LED ->PIN

Optical waveform

PINsignals, GRN shielded, YEL not shielded NO_optical signal

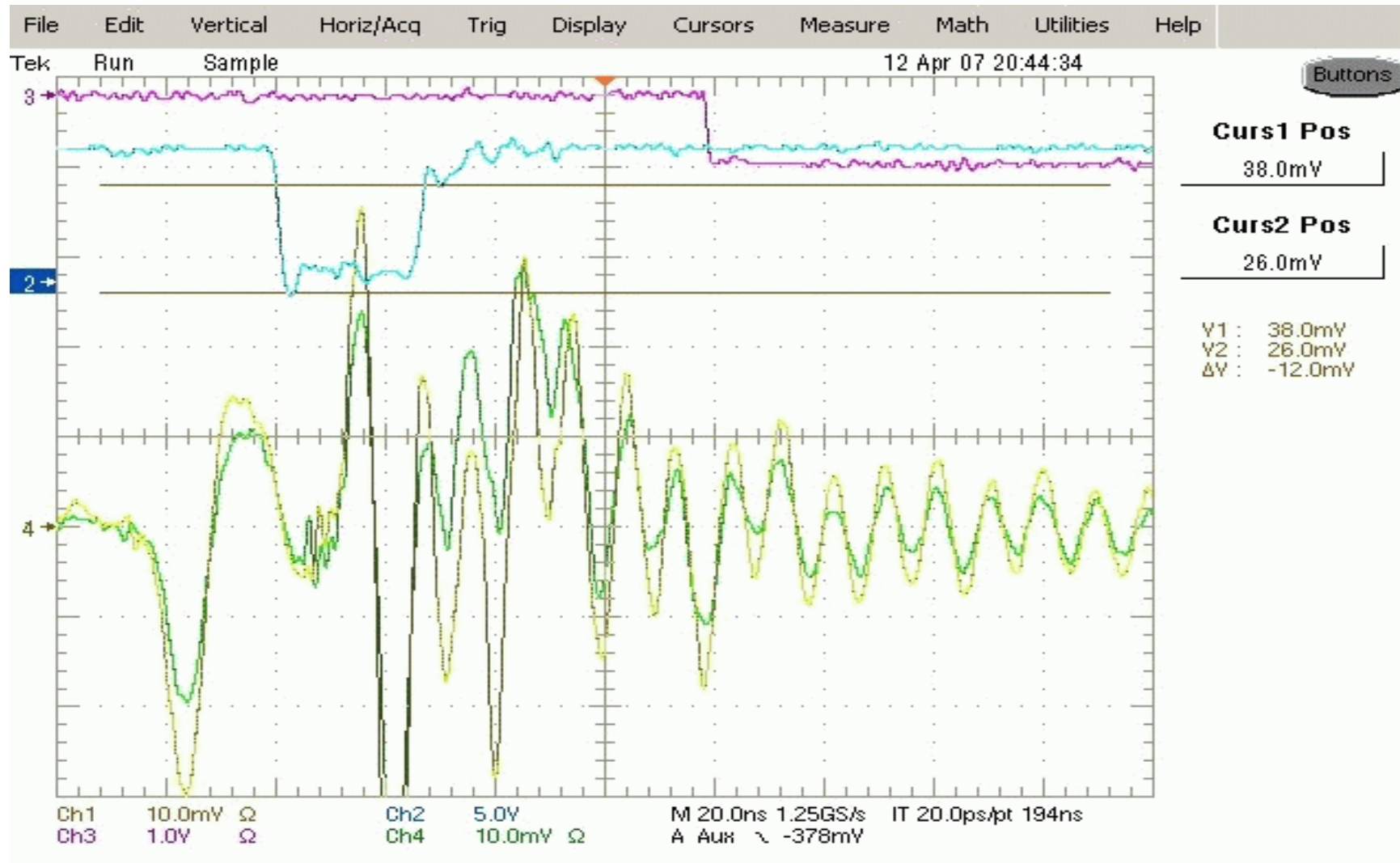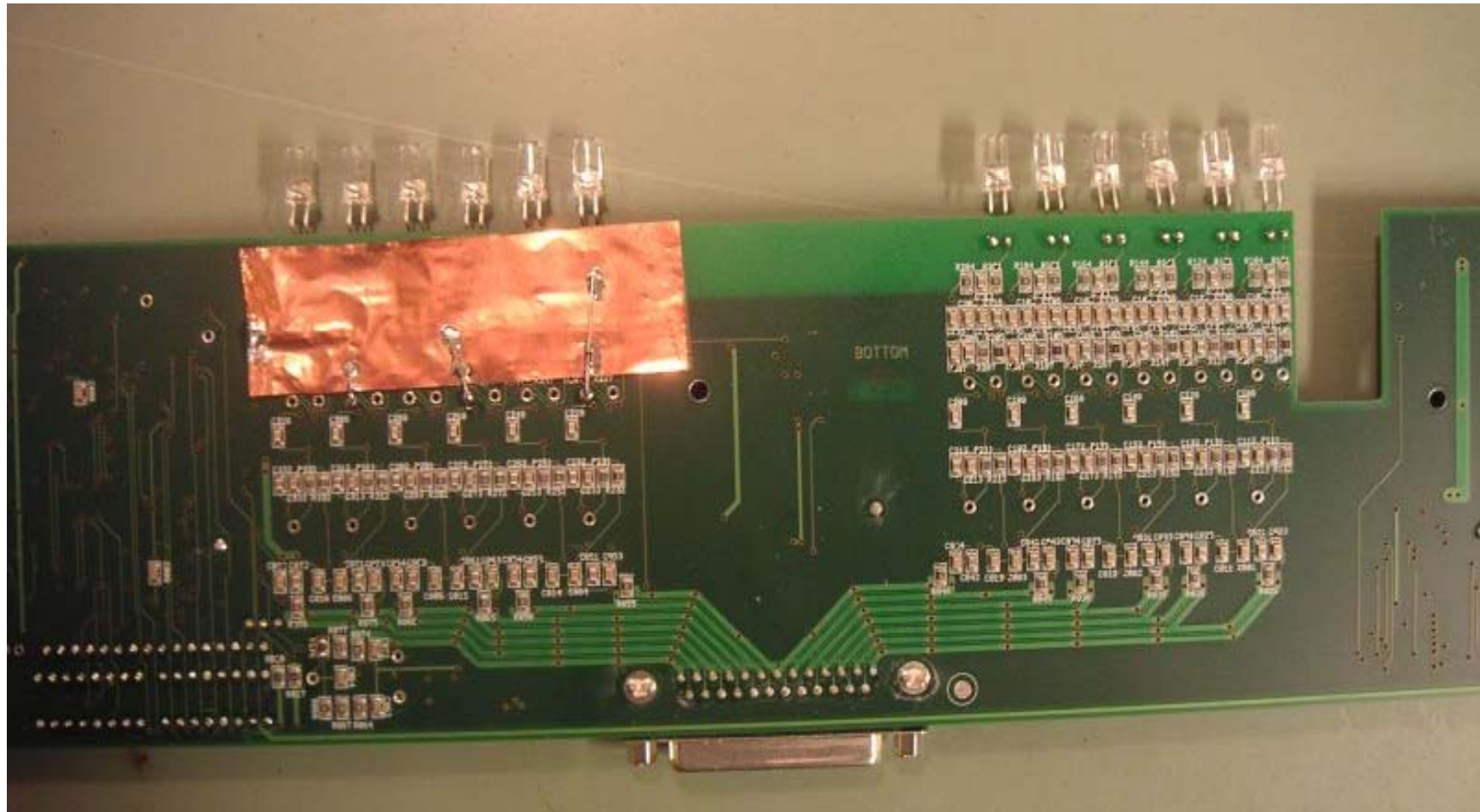# PINsignals, GRN shielded +optical signal, YEL not shielded,

Prototype, CMB with shielding Cu foil
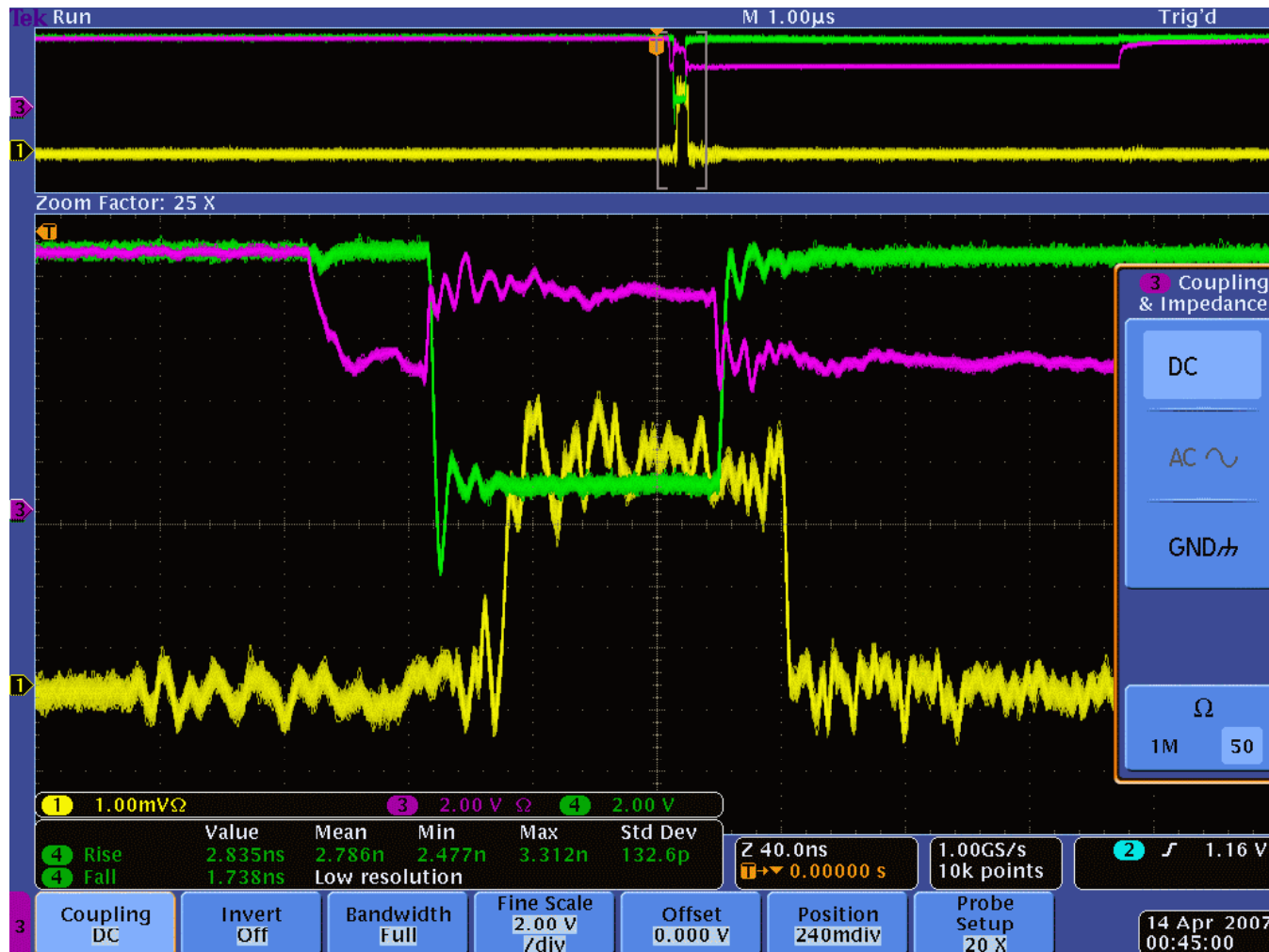
Optical waveform UV LED measured with fast PIN-photodiode S5973

GRN, VIO electrical signals at LED pins

YEL optical response, LED to fast PIN PD S5973 terminated by 50Ohm scope input

Note noise as form of electrical xtalk from LED drivers

April 18, 2007   Ivo Polak, IoP Prague   5

conclusion

- More test with modified CMB has to be done, with current DAQ.

- UV LED is fast electrical to optical convertor

- More tests at short pulses can be done with better suppression of xtalk.