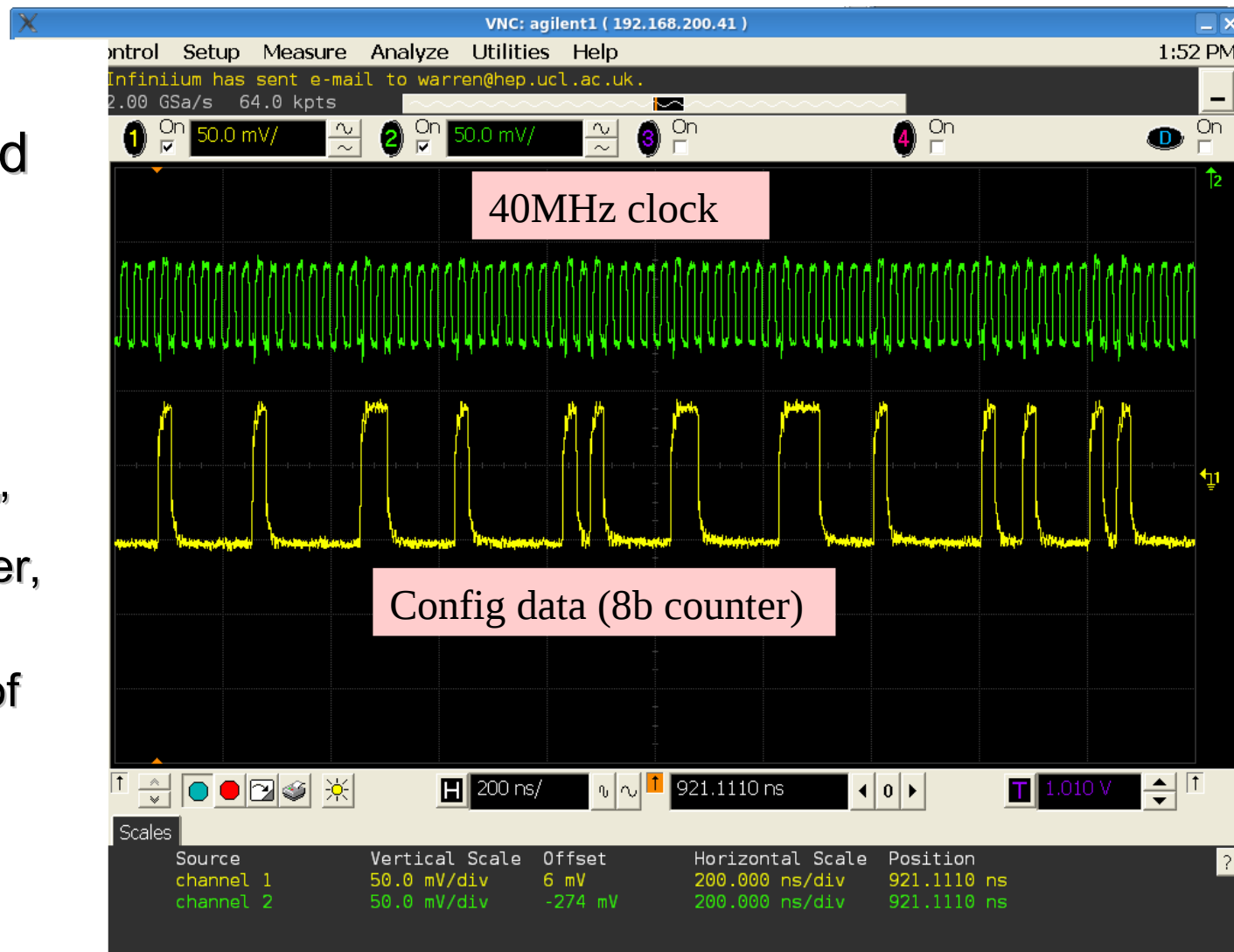- Atlys for CMOS progressing well

- Can send arb. length command at 40Mb

- Data readback functional at 160Mb

  - "Capture mode" only – no header, trailer detect

  - Needs testing of delays

40MHz clock

Config data (8b counter)

Send Square Wave, Loopback as Data

- 800ns period
- Sampled in at 160Mb (6.25ns steps)
- =0x0000000000000000FFFFFFFFFFFFFFFF

Capturing from eth0   [Wireshark 1.10.5 (SVN Rev Unkno

Go   Capture   Analyze   Statistics   Telephony   Tools   Internal

Filter: _____   ∨   Expressi

Time	Length	Source	Destination
93 12513.267632000	64	a0:dd:cc:bb:aa:00	Intel_cd
94 12513.269341000	1426	Intel_cd:1c:18	a0:dd:cc:k
95 12513.269466000	64	a0:dd:cc:bb:aa:00	Intel_cd
96 12513.269588000	1506	a0:dd:cc:bb:aa:00	Intel_cd
97 12513.269734000	64	a0:dd:cc:bb:aa:00	Intel_cd

me 96: 1506 by
ernet II, Src:
a (1492 bytes)

First nibble of each 8 byte word is meta-data

```
00 02 b3 cd 1c 18 a0 dd   cc bb aa 00 87 65 00 15    ......
05 d6 00 01 d0 04 00 02   95 c6 02 00 00 01 00 00    ......
f0 00 00 06 b5 5a 62 75   00 00 00 00 00 00 00 00    .....Z
00 00 1f ff ff ff ff ff   0f ff fe 00 00 00 00 00    ......
00 00 00 1f ff ff ff ff   0f ff ff fe 00 00 00 00    ......
00 00 00 00 1f ff ff ff   0f ff ff ff fe 00 00 00    ......
00 00 00 00 00 1f ff ff   0f ff ff ff ff fe 00 00    ......
00 00 00 00 00 00 1f ff   0f ff ff ff ff ff fe 00    ......
00 00 00 00 00 00 00 1f   0f ff ff ff ff ff ff fe    ......
00 00 00 00 00 00 00 00   01 ff ff ff ff ff ff ff    ......
0f e0 00 00 00 00 00 00   00 01 ff ff ff ff ff ff    ......
0f ff e0 00 00 00 00 00   00 00 01 ff ff ff ff ff    ......
0f ff ff e0 00 00 00 00   00 00 00 01 ff ff ff ff    ......
0f ff ff ff e0 00 00 00   00 00 00 00 01 ff ff ff    ......
0f ff ff ff ff e0 00 00   00 00 00 00 00 01 ff ff    ......
0f ff ff ff ff ff e0 00   00 00 00 00 00 00 01 ff    ......
0f ff ff ff ff ff ff e0   00 00 00 00 00 00 00 01    ......
0f ff ff ff ff ff ff ff   0e 00 00 00 00 00 00 00    ......
00 1f ff ff ff ff ff ff   0f fe 00 00 00 00 00 00    ......
```

eth0: <live capture in progress> File: /...   Packets: 97 · Displayed: 9...   Prof

Oscilloscope:

Control   Setup   Measure   Analyze   Utilities   Help   1:33 PM

2.00 GSa/s   64.0 kpts

1 On 50.0 mV/   2 On 50.0 mV/   3 On   4 On   D On

100 ns/   4.4011140 µs |◄ 0 ►| T 1.010 V

Scales

Source	Vertical Scale	Offset	Horizontal Scale	Position
channel 1	50.0 mV/div	6 mV	100.000 ns/div	4.4011140 µs
channel 2	50.0 mV/div	-274 mV	100.000 ns/div	4.4011140 µs