















#### **4. Conclusions**

We reported a 2Tbit/s CoWDM transmission over an unrepeaters 124km link, achieving the highest total capacity over an installed fiber link when using orthogonally multiplexed subcarriers. Fluctuations in the BER over time were primarily attributed to PMD and clock instabilities. In every case the worst case BER was below the FEC threshold and frame loss free Ethernet performances were observed for all optical subcarriers, indicating the robustness of the present system configuration against PMD.

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