

Case Study – IEEE WG Report - Oscillographic Report and Analysis

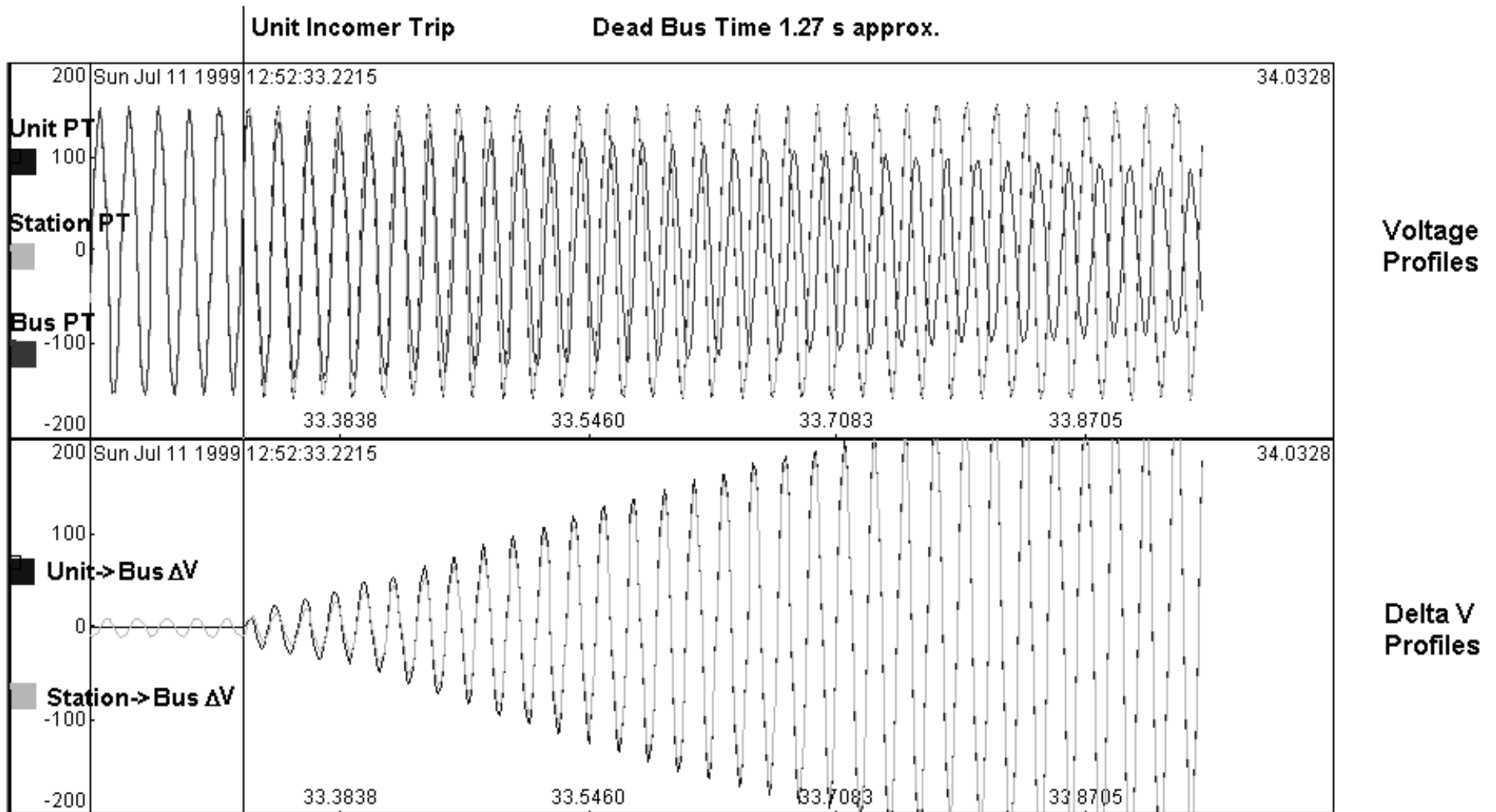


Fig 1: Spin Down Characteristics of a Thermal Power Station Unit Auxiliary Bus

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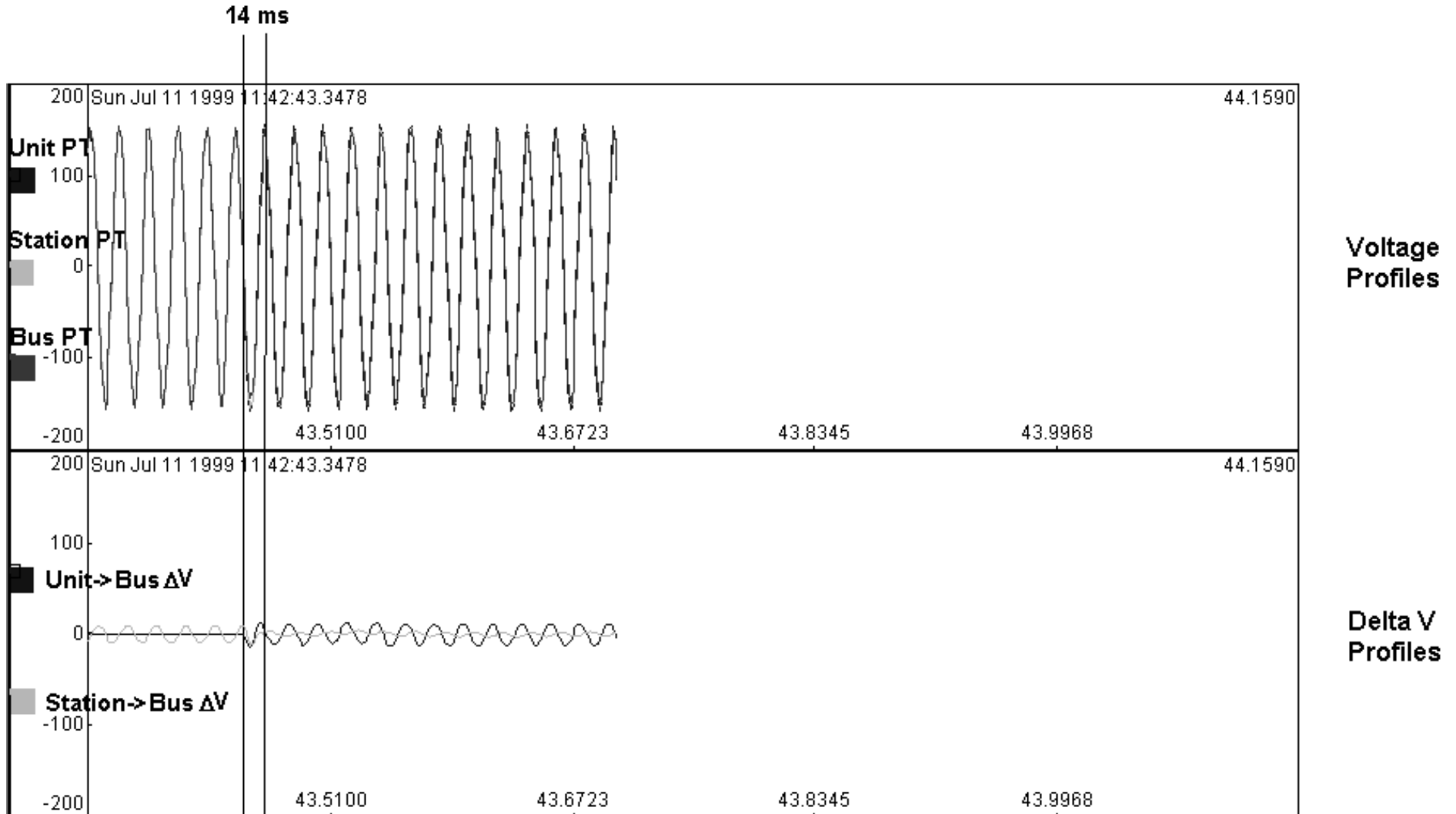


Fig 2: Fast Transfer of Unit Auxiliaries of a Thermal Power Station Unit

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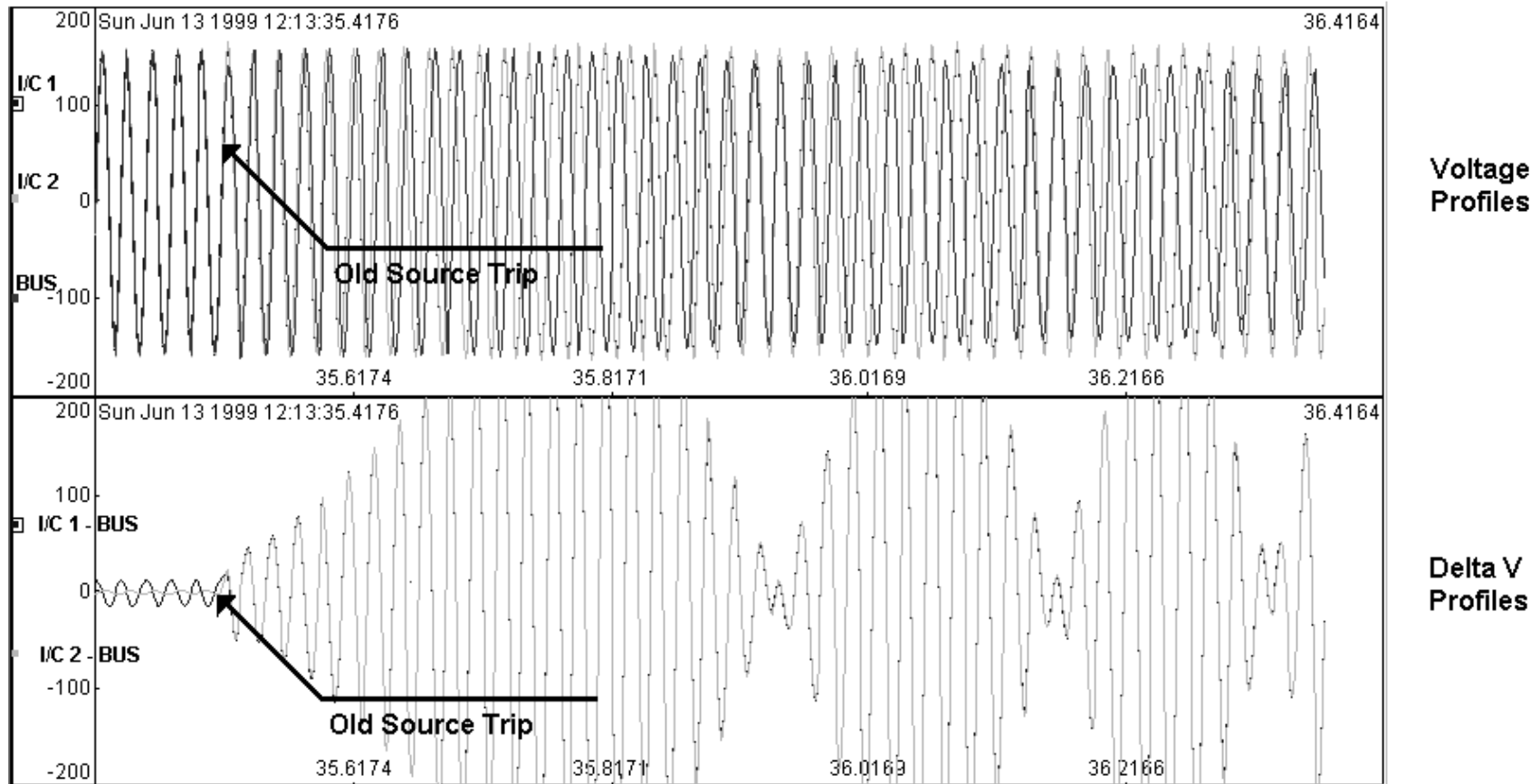


Fig 3: Spin Down Characteristics of a Process Industry Bus with Low Inertia Motors. Voltage maintained due to presence of Capacitor Bank.

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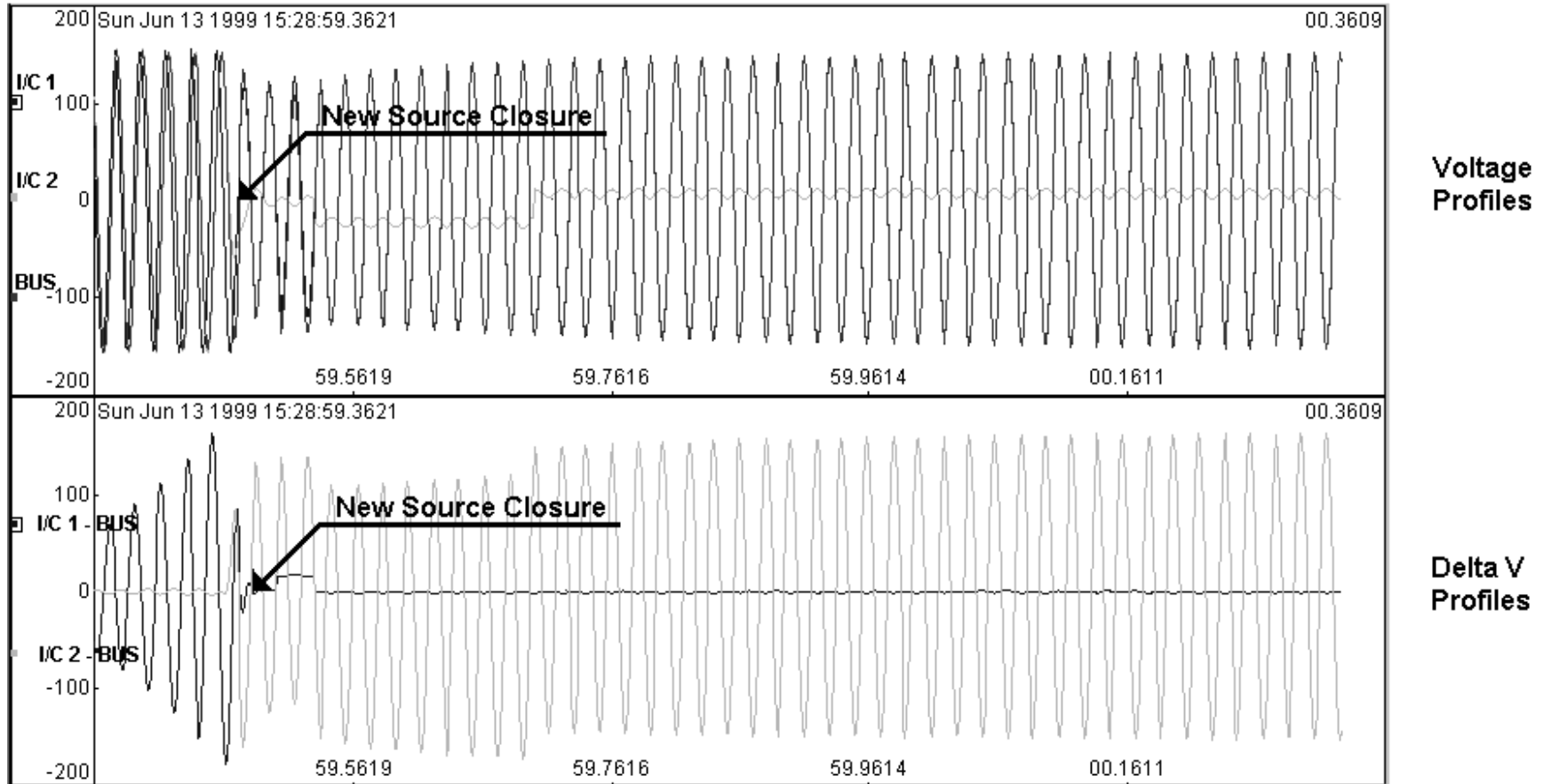


Fig 4: Fast Transfer of a Process Industry Bus with Low Inertia Motors within 6 cycles of loss of source initiated automatically on $|df/dt|$ sensing.

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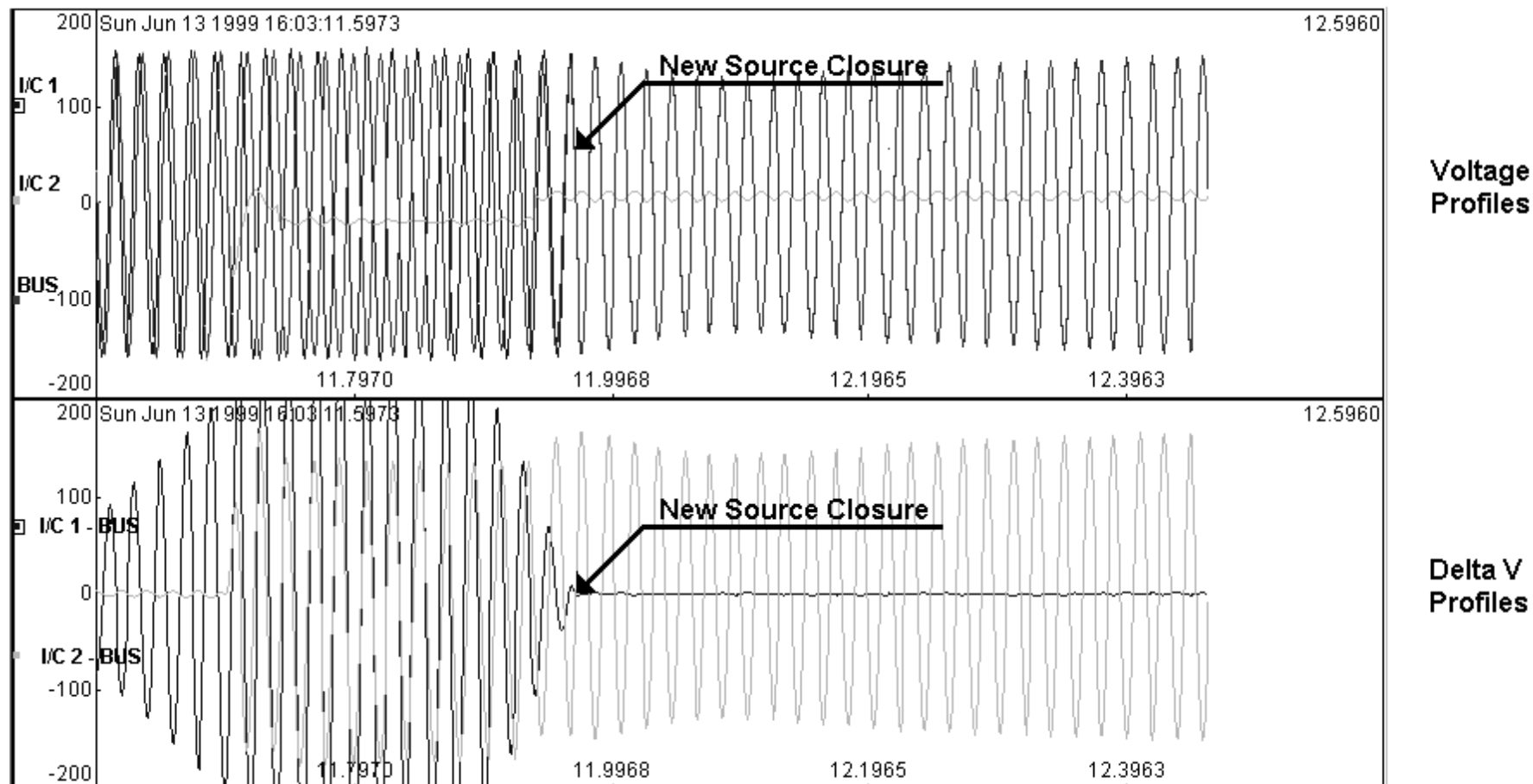


Fig 5: In-Phase Transfer of a Process Industry Bus with Low Inertia Motors within 21 cycles of loss of source initiated automatically on $|df/dt|$ sensing. Bus voltage > 85% due to Capacitor Bank