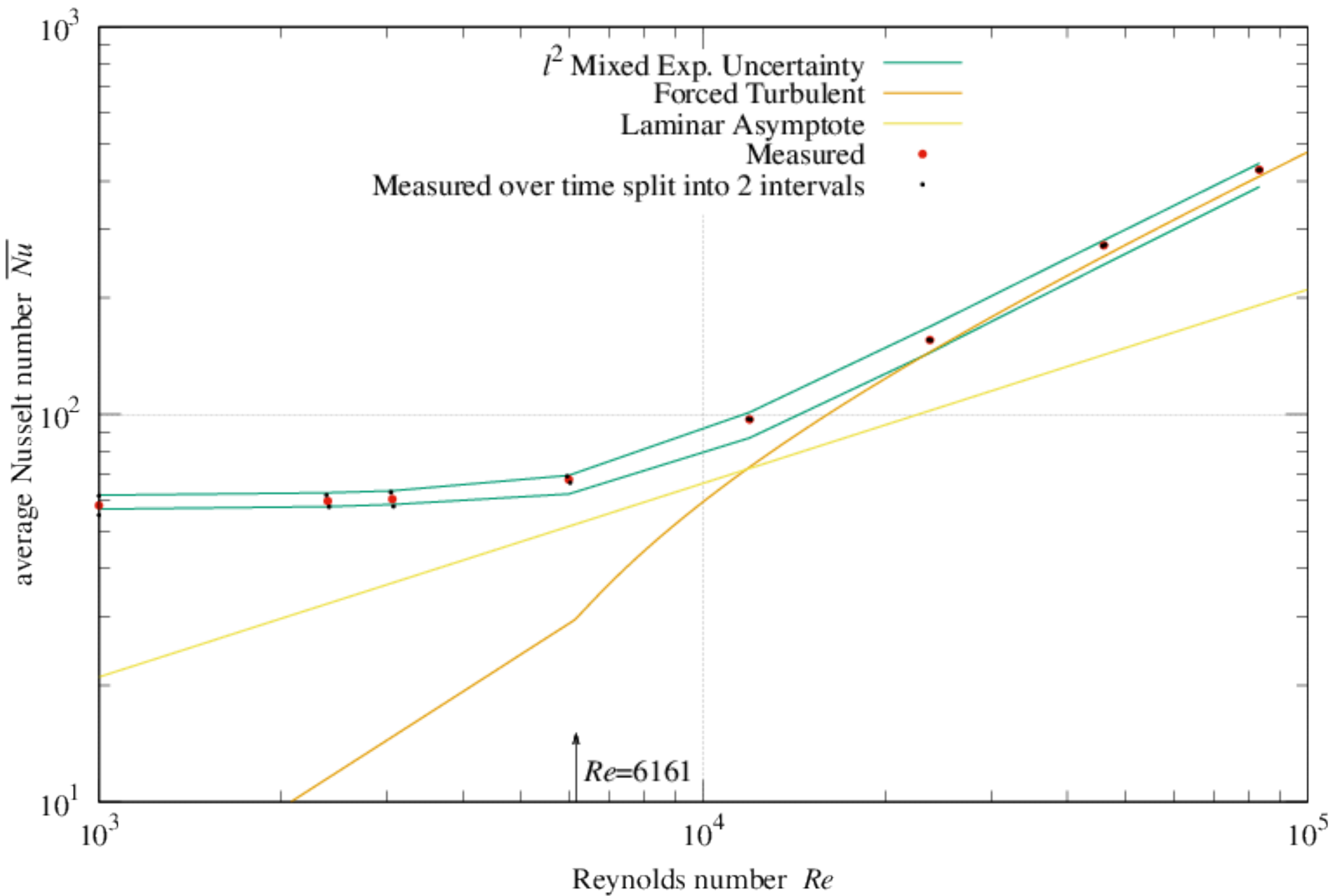
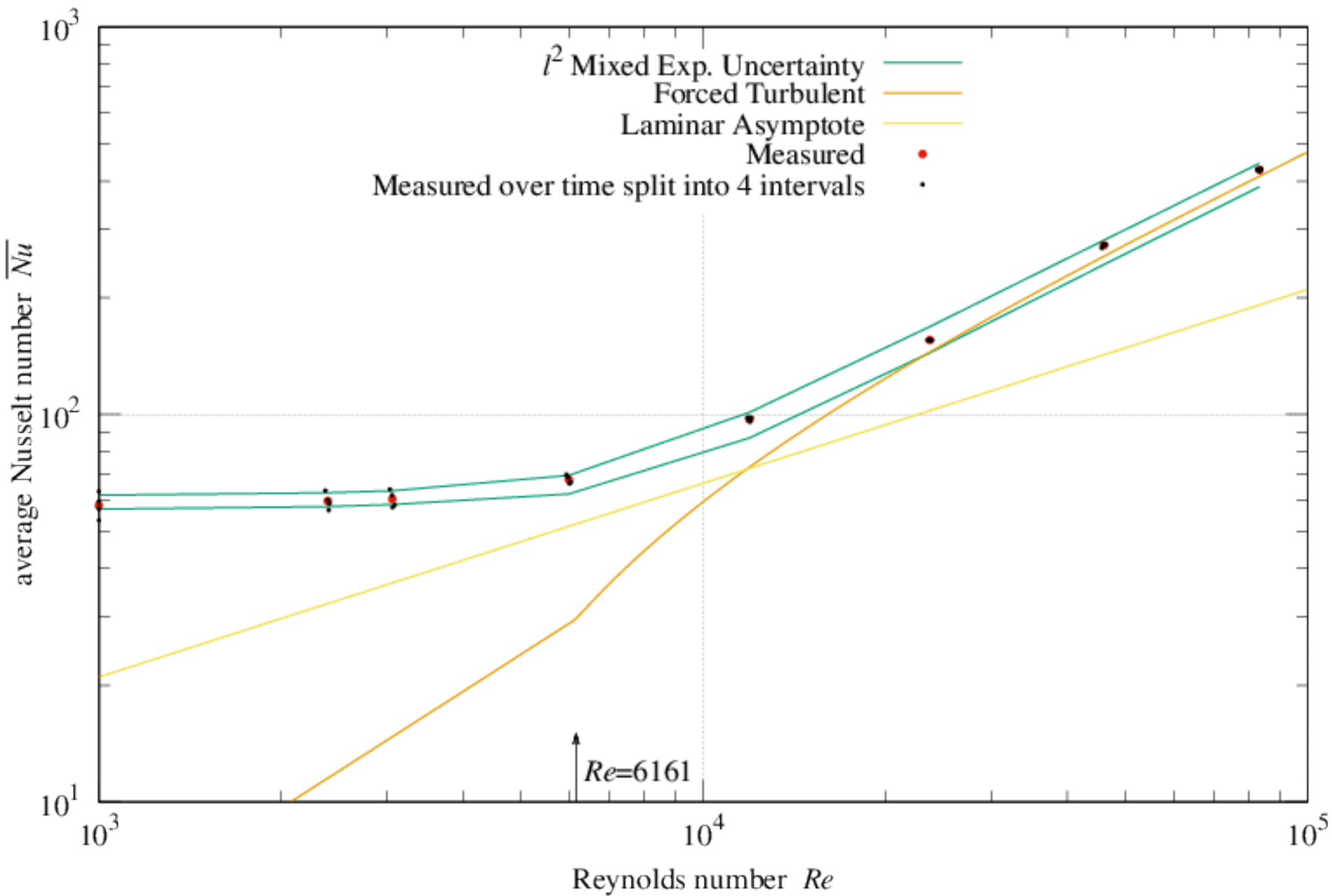


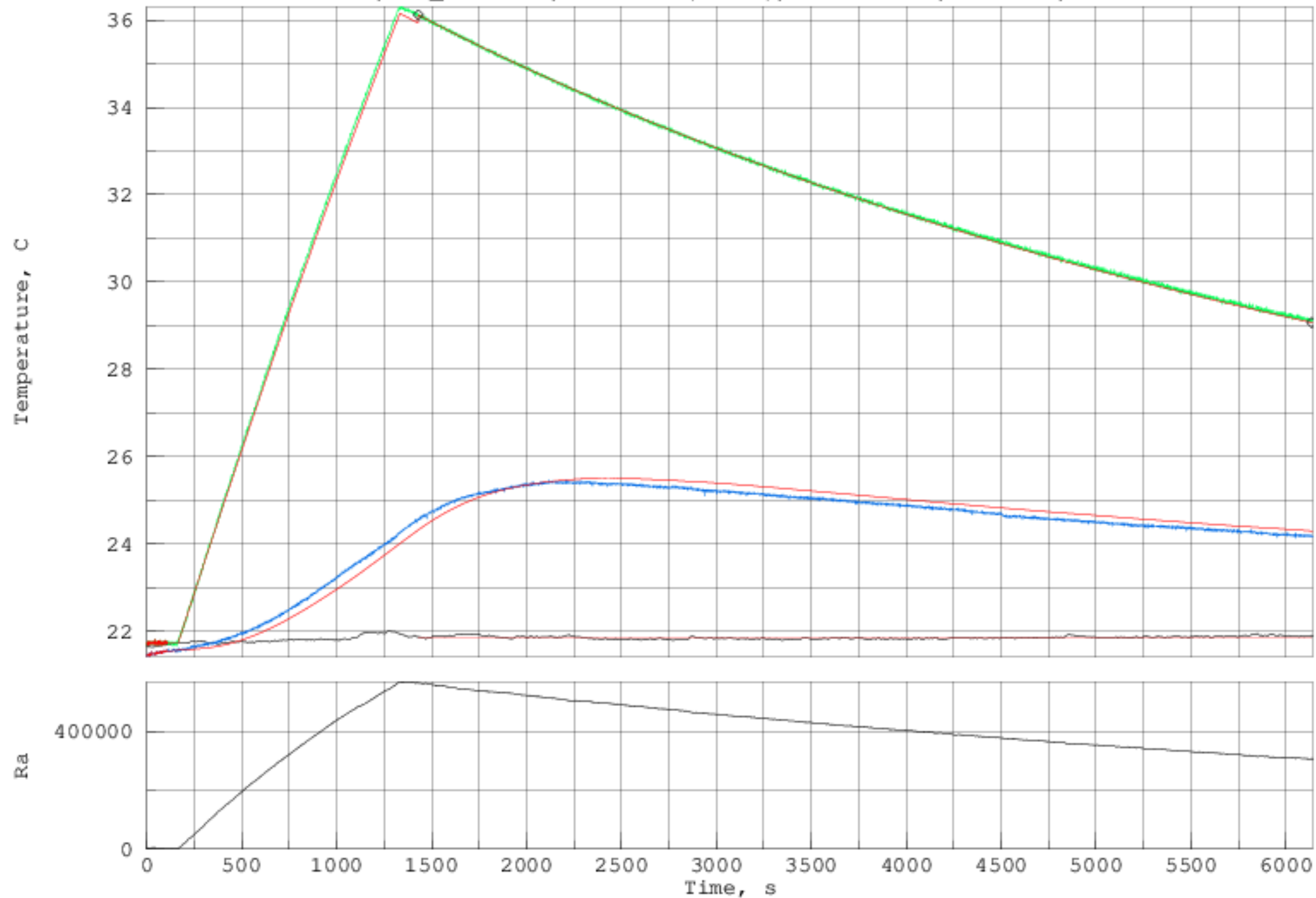
Mixed Convection from Upward Facing Plate, 1mm Roughness, $\Delta T=10.3\text{K}$



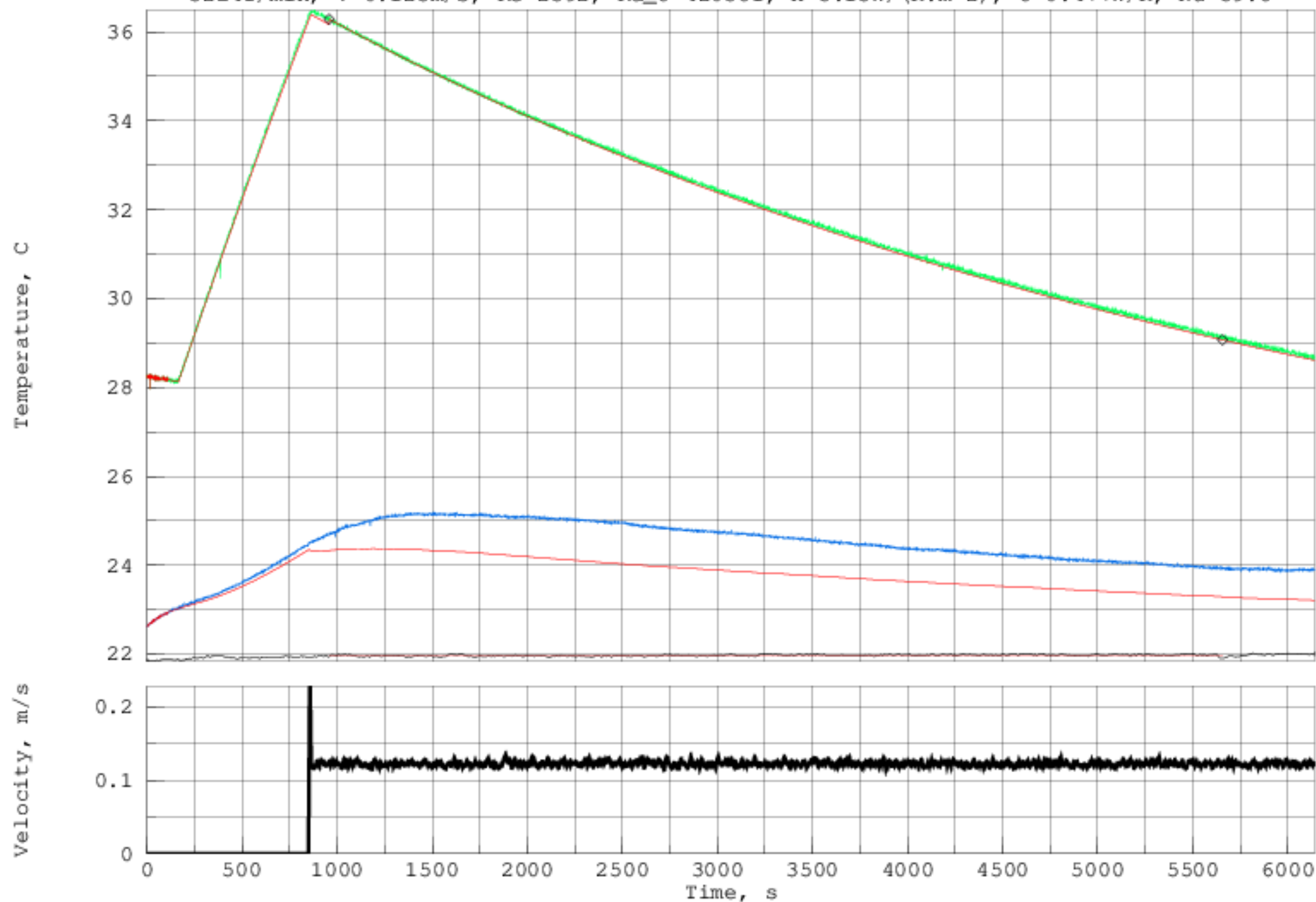
Mixed Convection from Upward Facing Plate, 1mm Roughness, $\Delta T=10.3\text{K}$



20170630T193819Z - mixed Convection - Roughness=1.13mm; T=21.9+10.3°C; -90.00°
k=0.0261, Ra_U=421593, h=5.00W/(K.m^2), U=0.465W/K, Nu=58.3, Pr=0.709

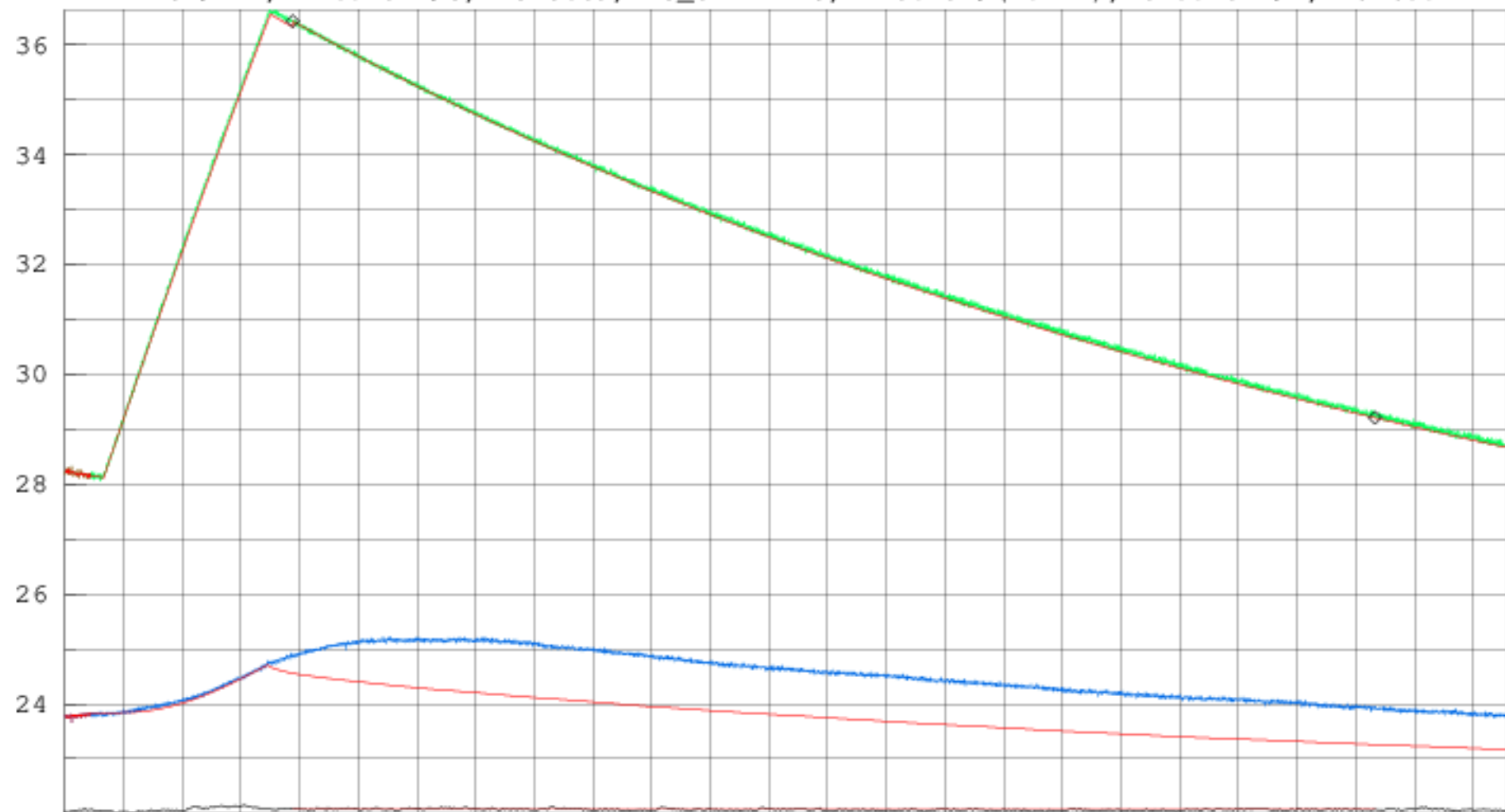


20170630T213001Z - mixed Convection - Roughness=1.13mm; T=22.0+10.2°C; -90.00°
32±4r/min, V=0.123m/s, Re=2392, Ra_U=420381, h=5.13W/(K.m²), U=0.477W/K, Nu=59.8

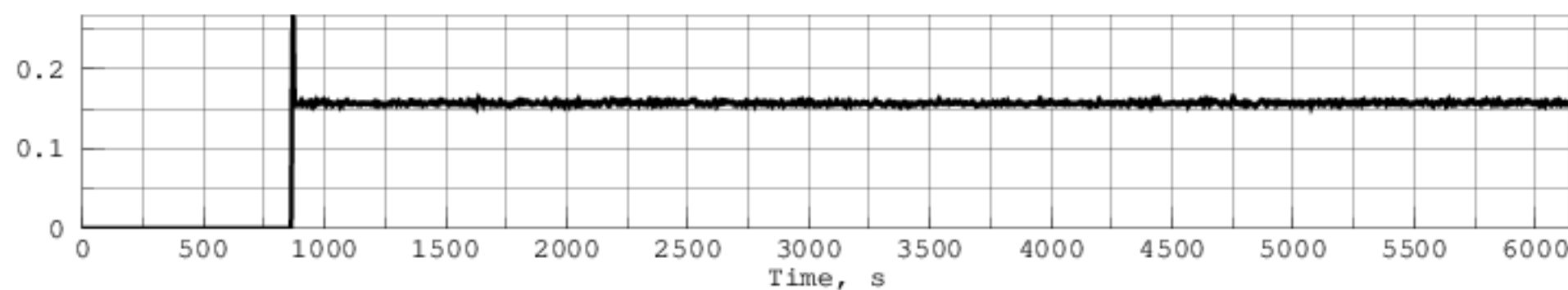


20170630T232030Z - mixed Convection - Roughness=1.13mm; T=22.1+10.3°C; -90.00°
41±3r/min, V=0.157m/s, Re=3059, Ra_U=421723, h=5.18W/(K.m²), U=0.482W/K, Nu=60.4

Temperature, C

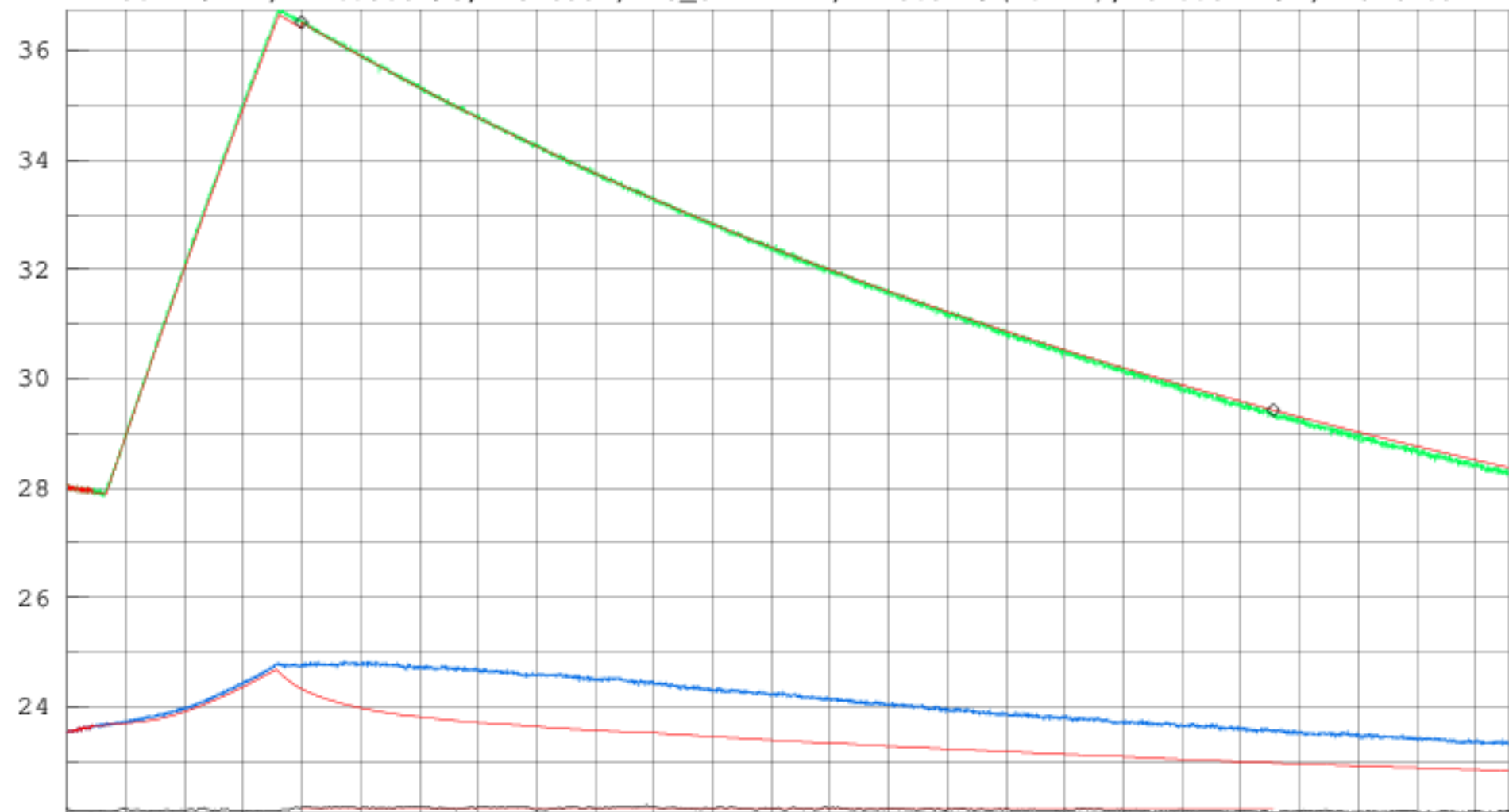


Velocity, m/s

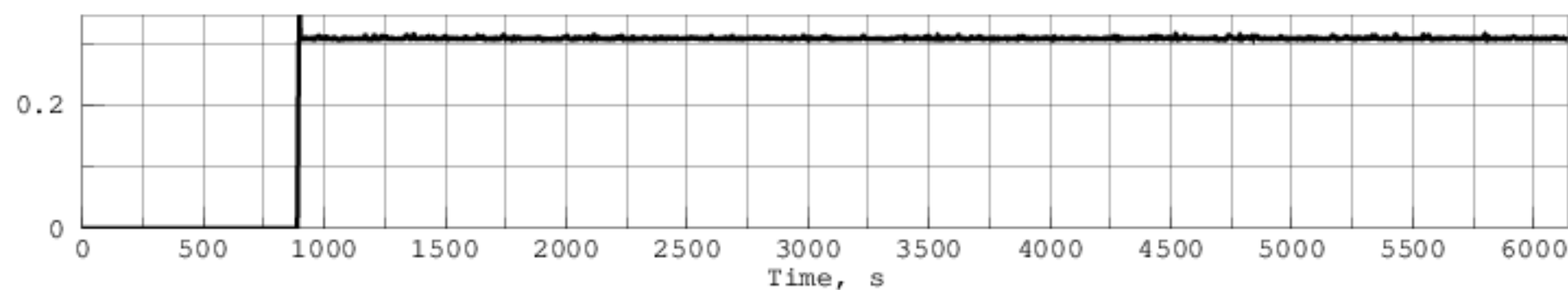


20170701T011540Z - mixed Convection - Roughness=1.13mm; T=22.1+10.4°C; -90.00°
80±2r/min, V=0.308m/s, Re=5991, Ra_U=424211, h=5.82W/(K.m^2), U=0.542W/K, Nu=67.9

Temperature, C

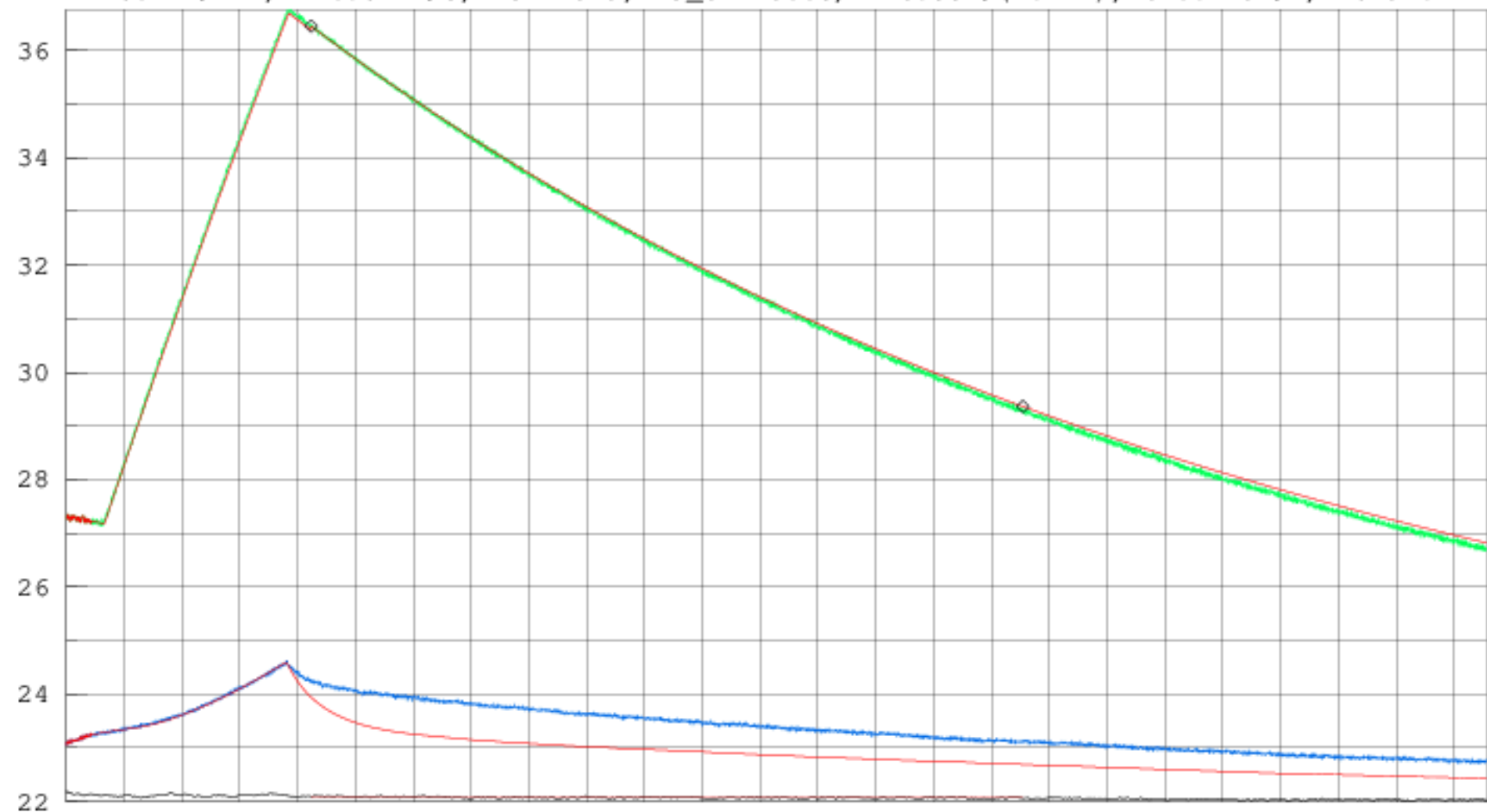


Velocity, m/s

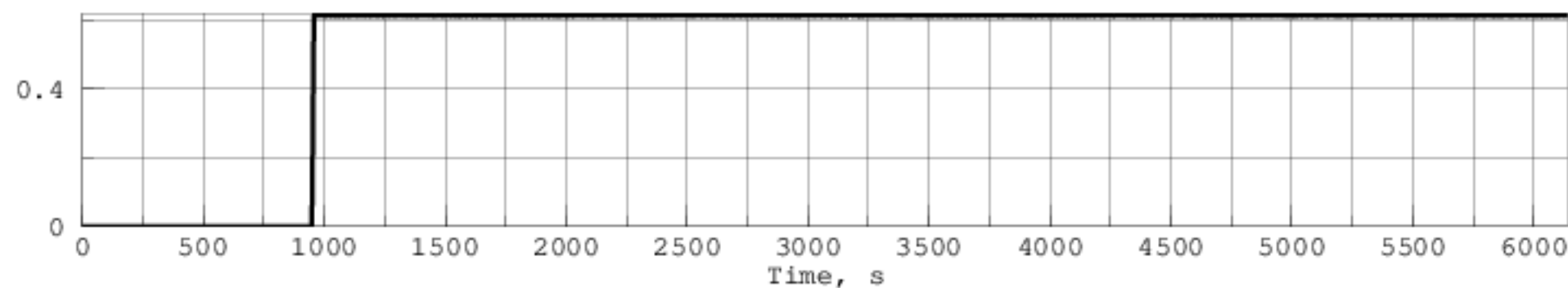


20170701T031434Z - mixed Convection - Roughness=1.13mm; T=22.1+10.4°C; -90.00°
160±1r/min, V=0.612m/s, Re=11929, Ra_U=425003, h=8.33W/(K.m²), U=0.775W/K, Nu=97.1

Temperature, C

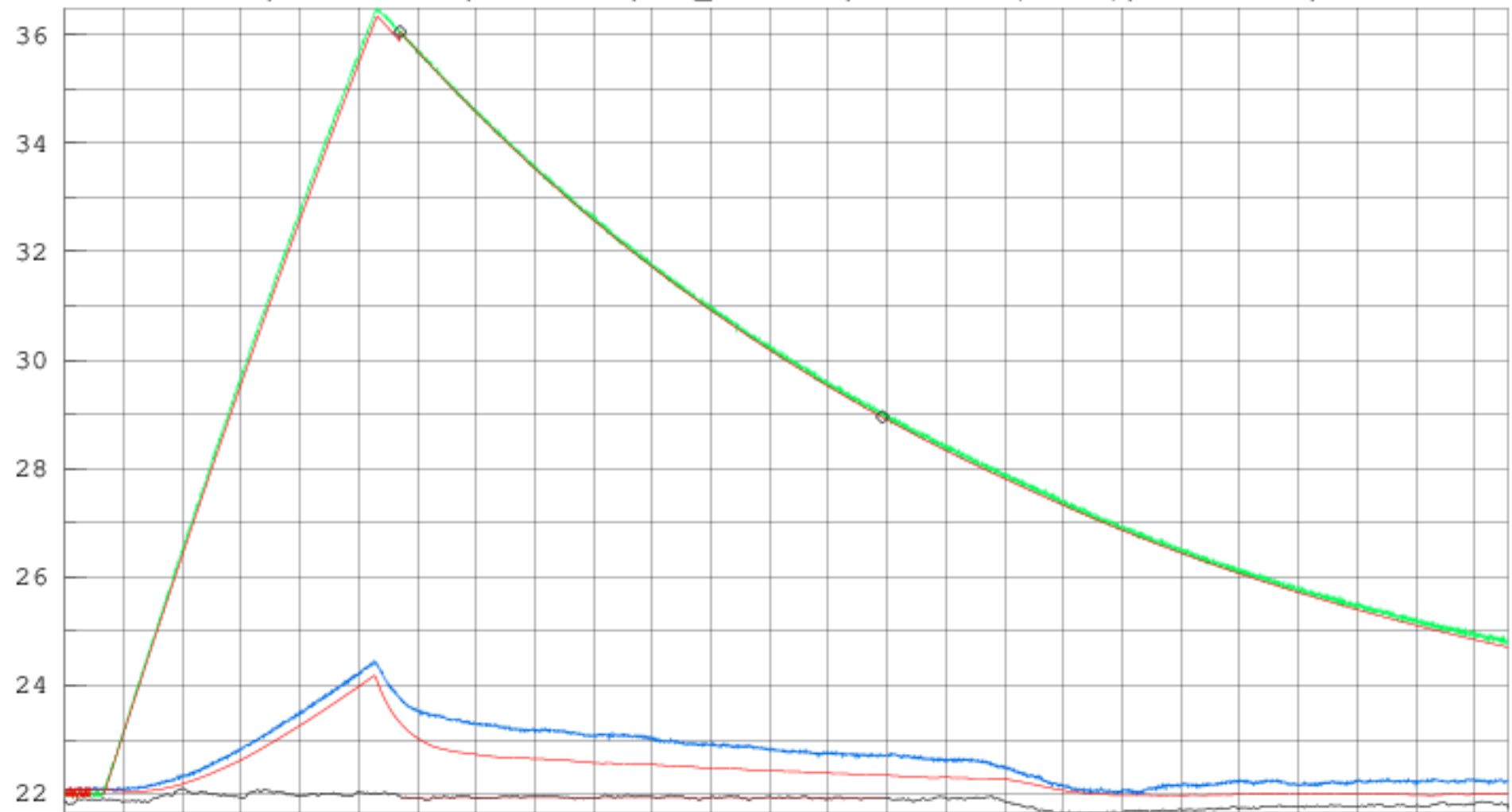


Velocity, m/s

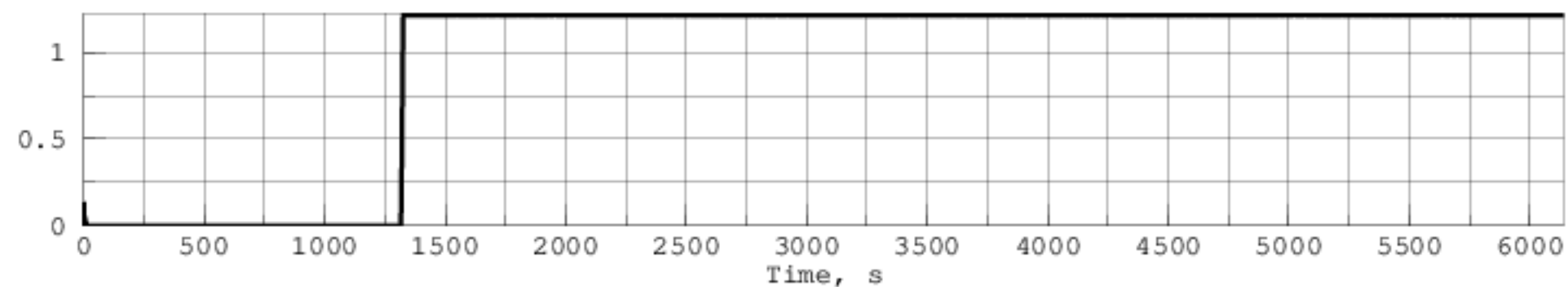


20170701T152213Z - mixed Convection - Roughness=1.13mm; T=21.9+10.2°C; -90.00°
320±1r/min, V=1.216m/s, Re=23715, Ra_U=419226, h=13.3W/(K.m²), U=1.24W/K, Nu=155.5

Temperature, C

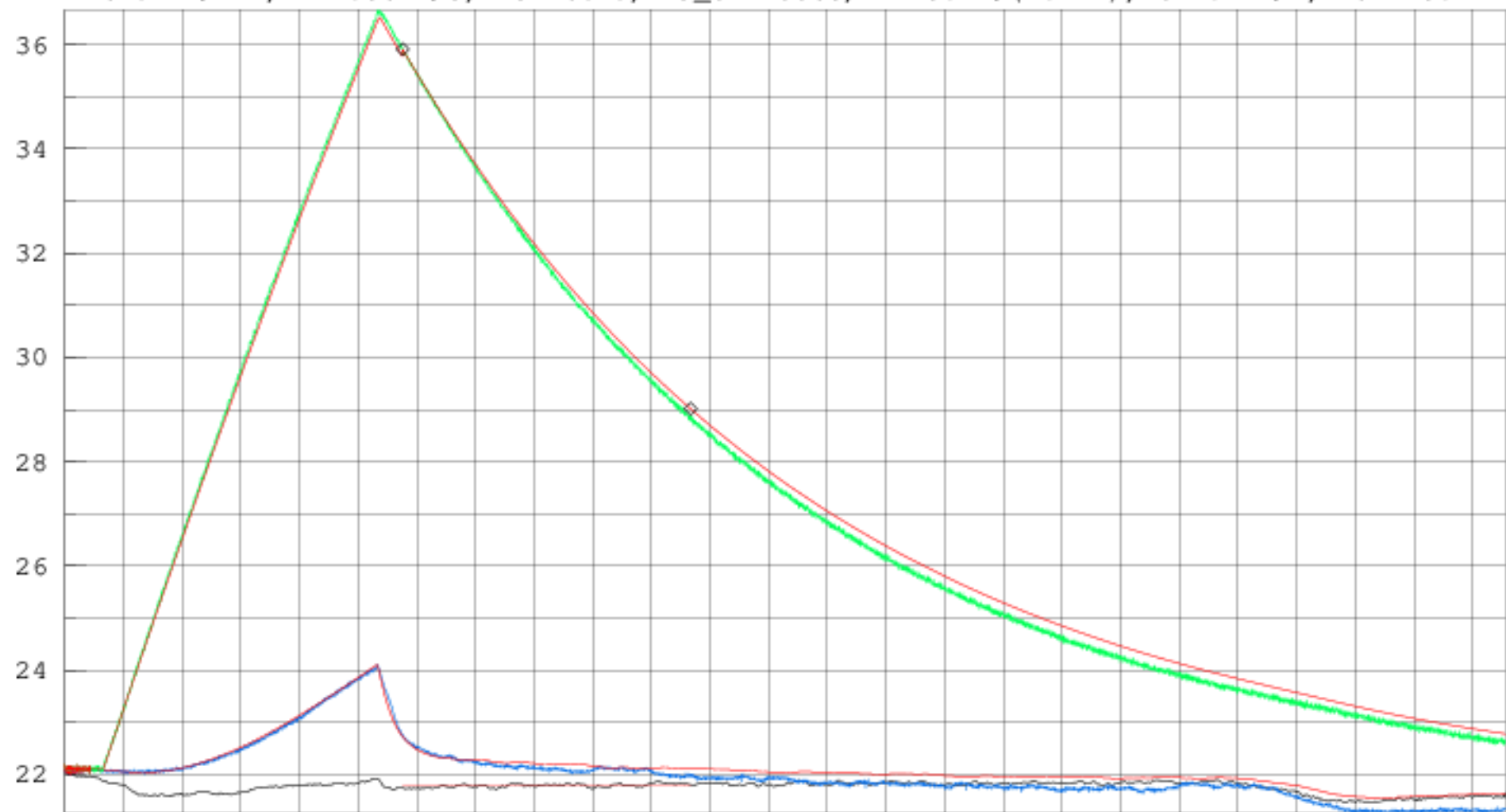


Velocity, m/s

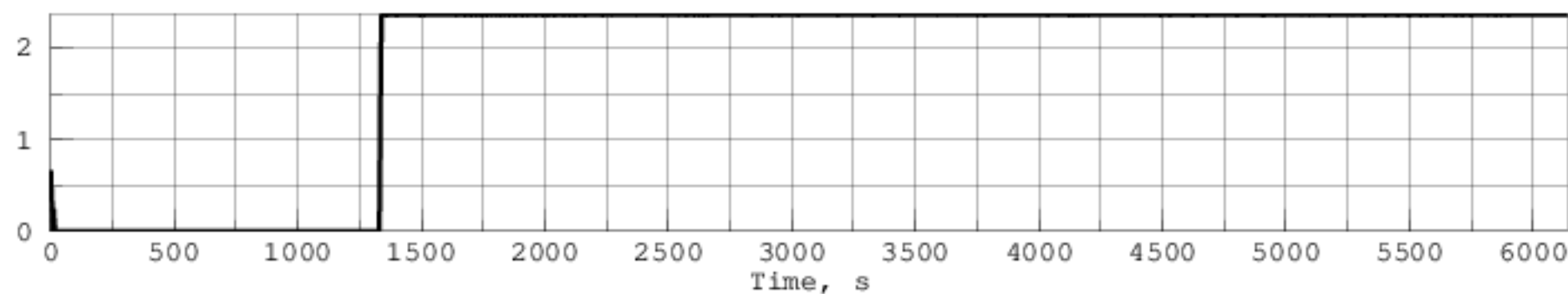


20170701T212313Z - mixed Convection - Roughness=1.13mm; T=21.8+10.2°C; -90.00°
640±4r/min, V=2.361m/s, Re=46020, Ra_U=418563, h=23.4W/(K.m²), U=2.17W/K, Nu=273.1

Temperature, C

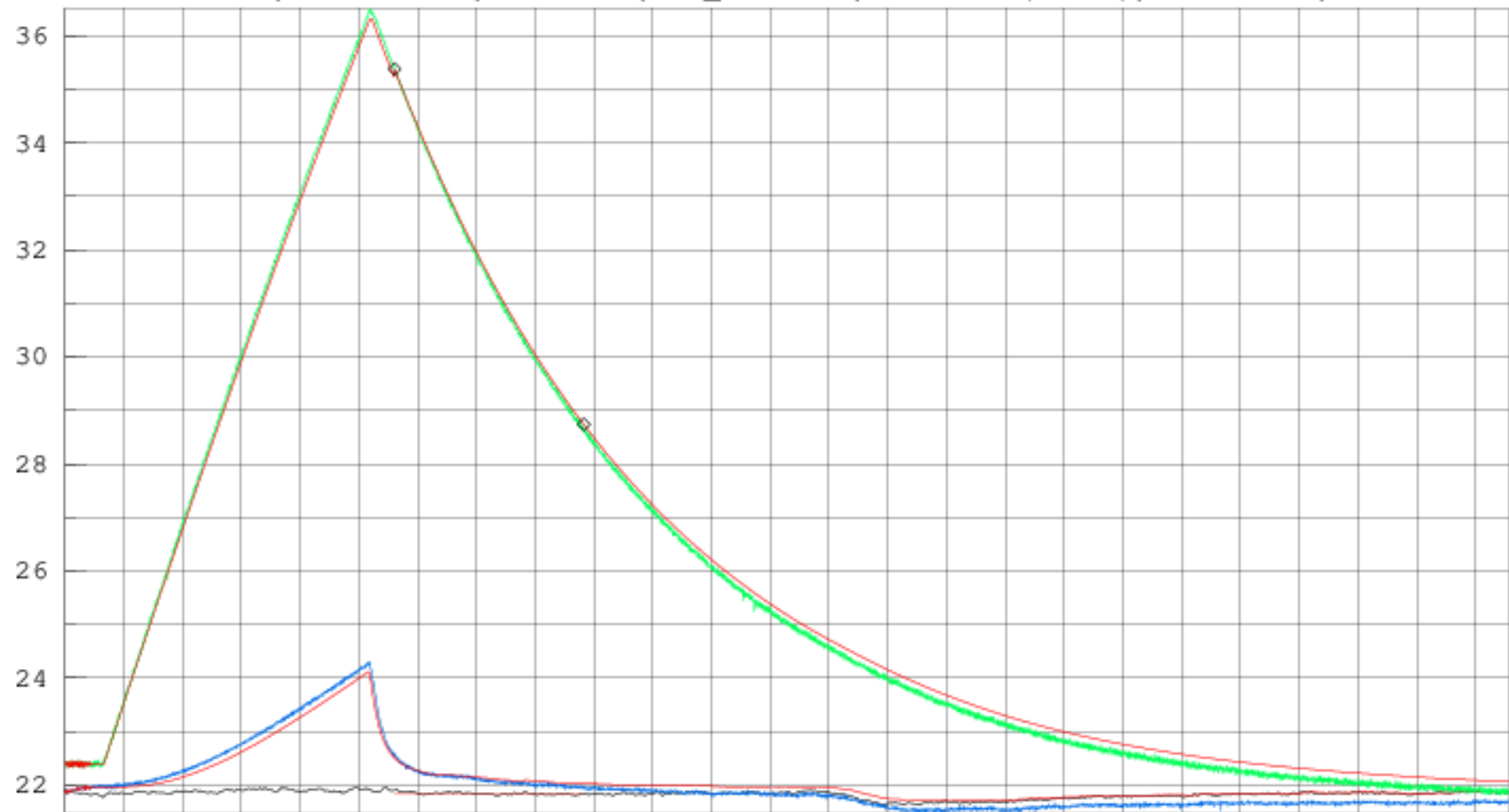


Velocity, m/s



20170701T231830Z - mixed Convection - Roughness=1.13mm; T=21.8+09.8°C; -90.00°
1280±6r/min, V=4.265m/s, Re=83195, Ra_U=403494, h=36.6W/(K.m²), U=3.40W/K, Nu=427.4

Temperature, C



Velocity, m/s

