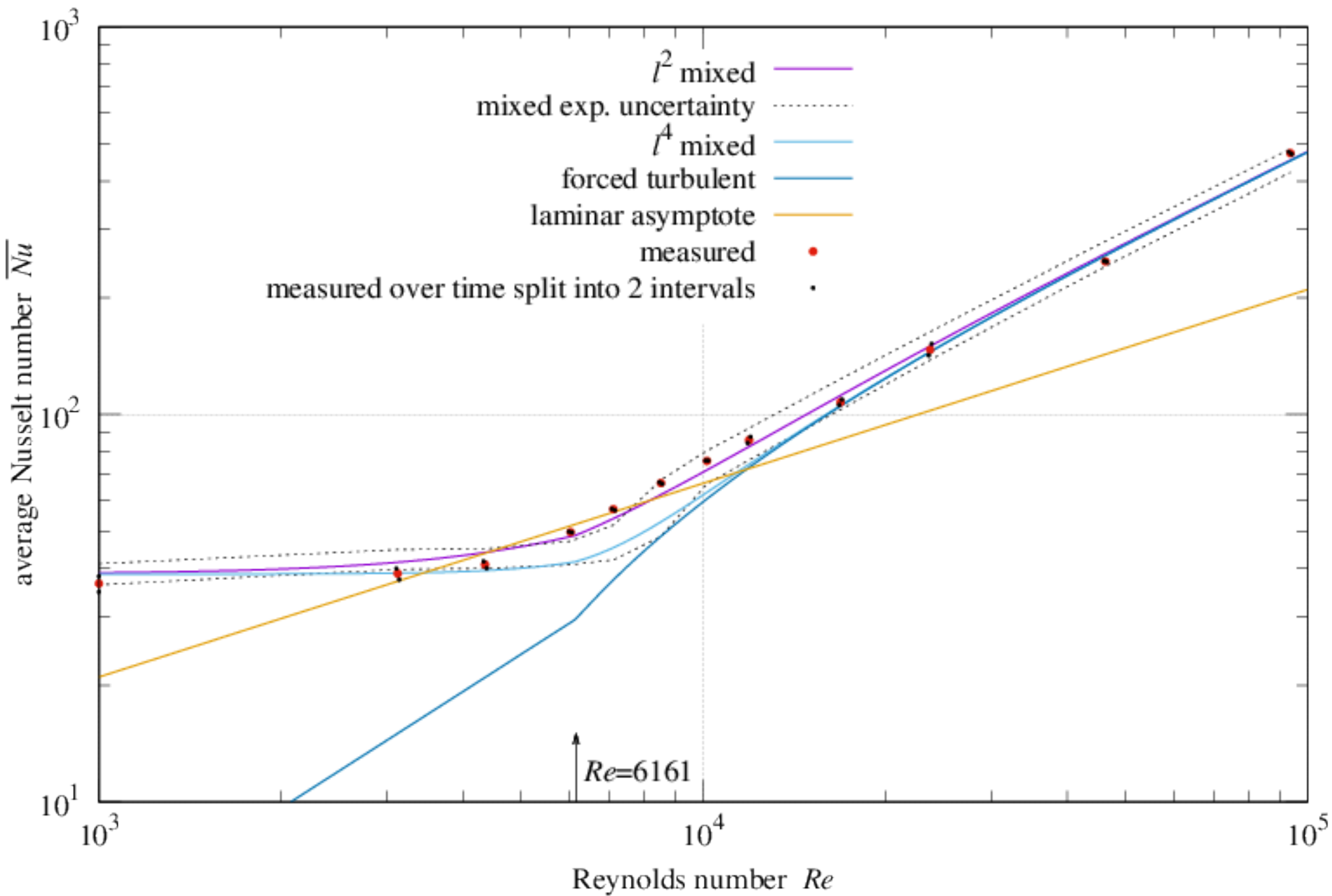
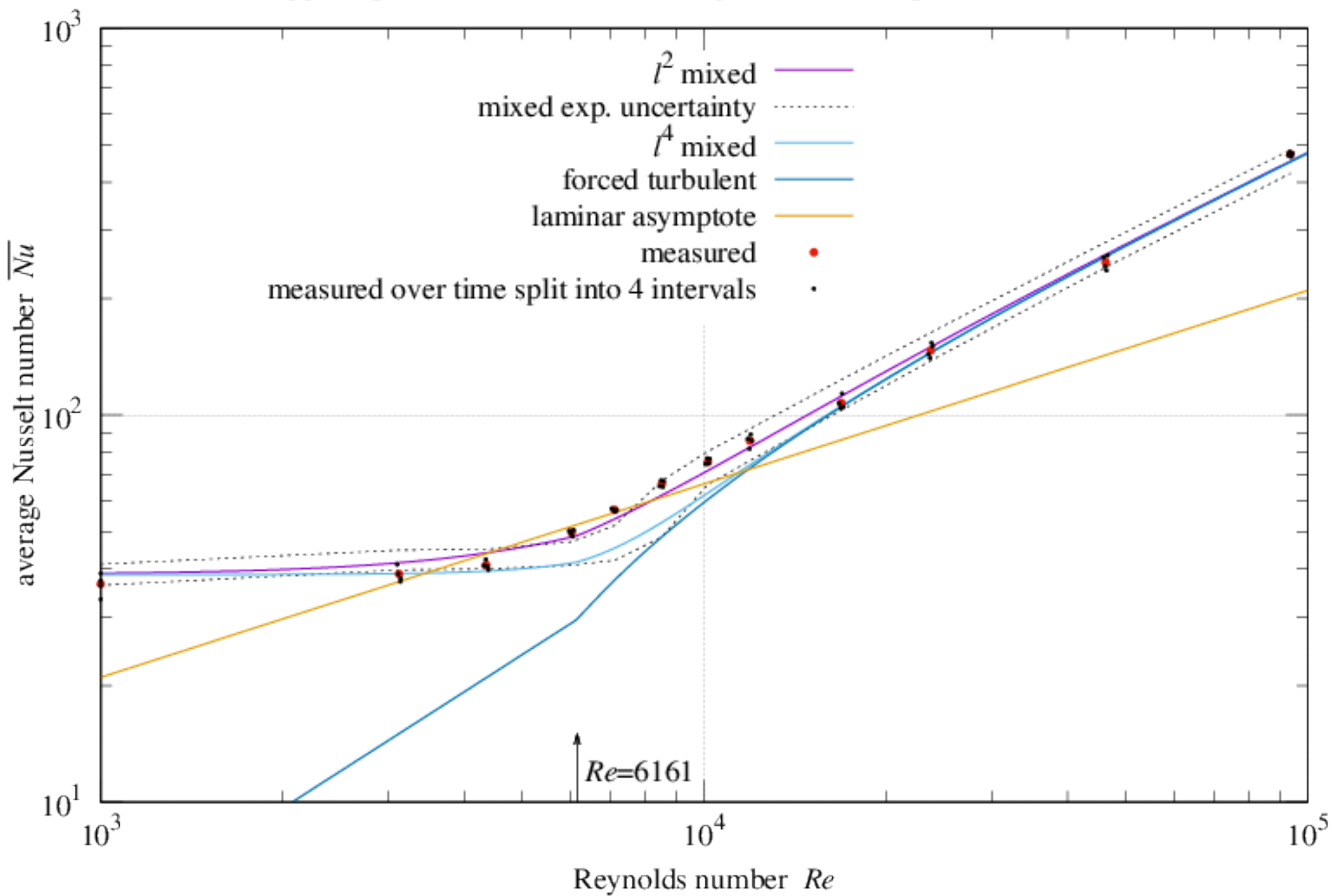


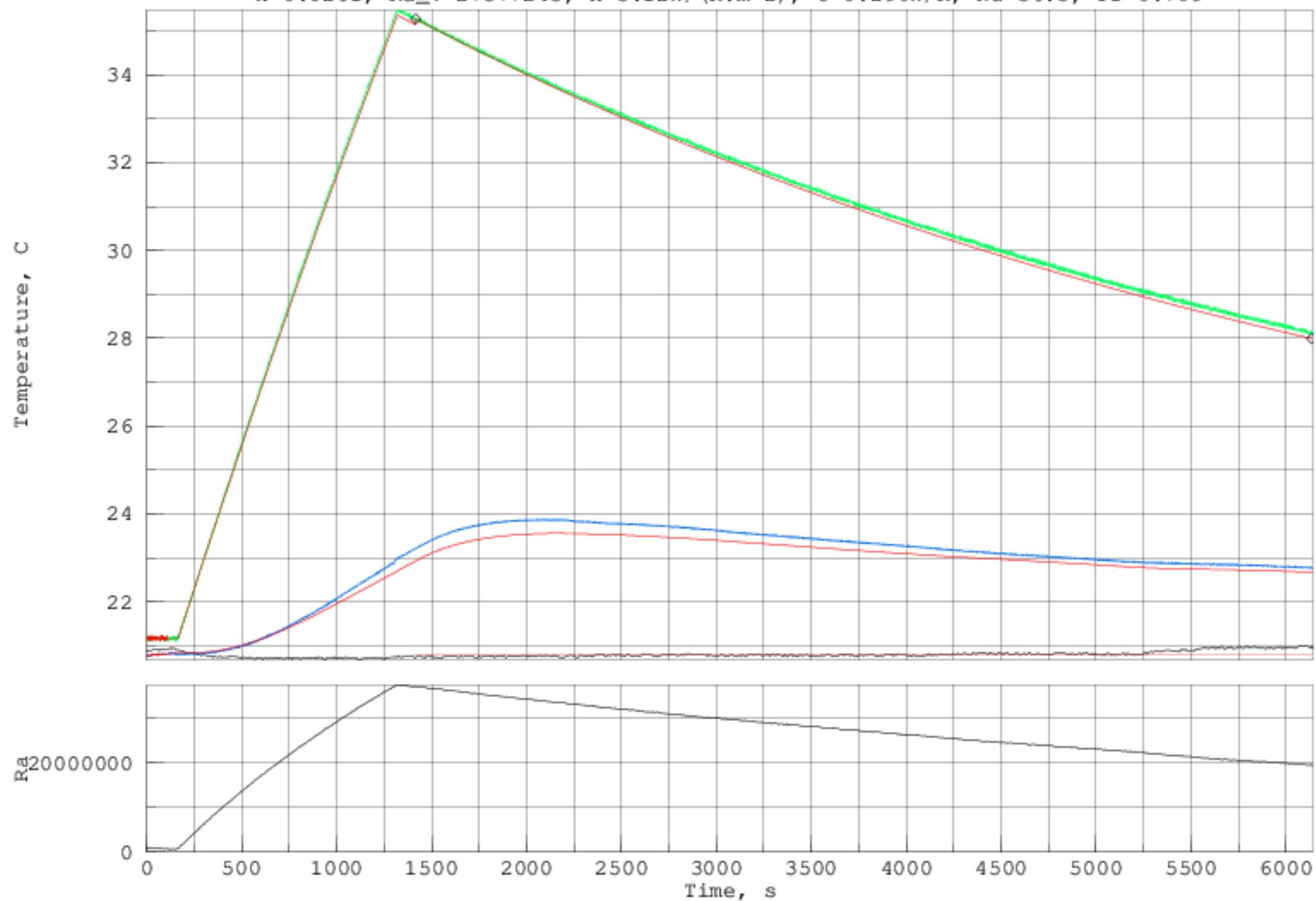
opposing mixed convection vertical plate, 1mm Roughness, $\Delta T=10.4\text{K}$



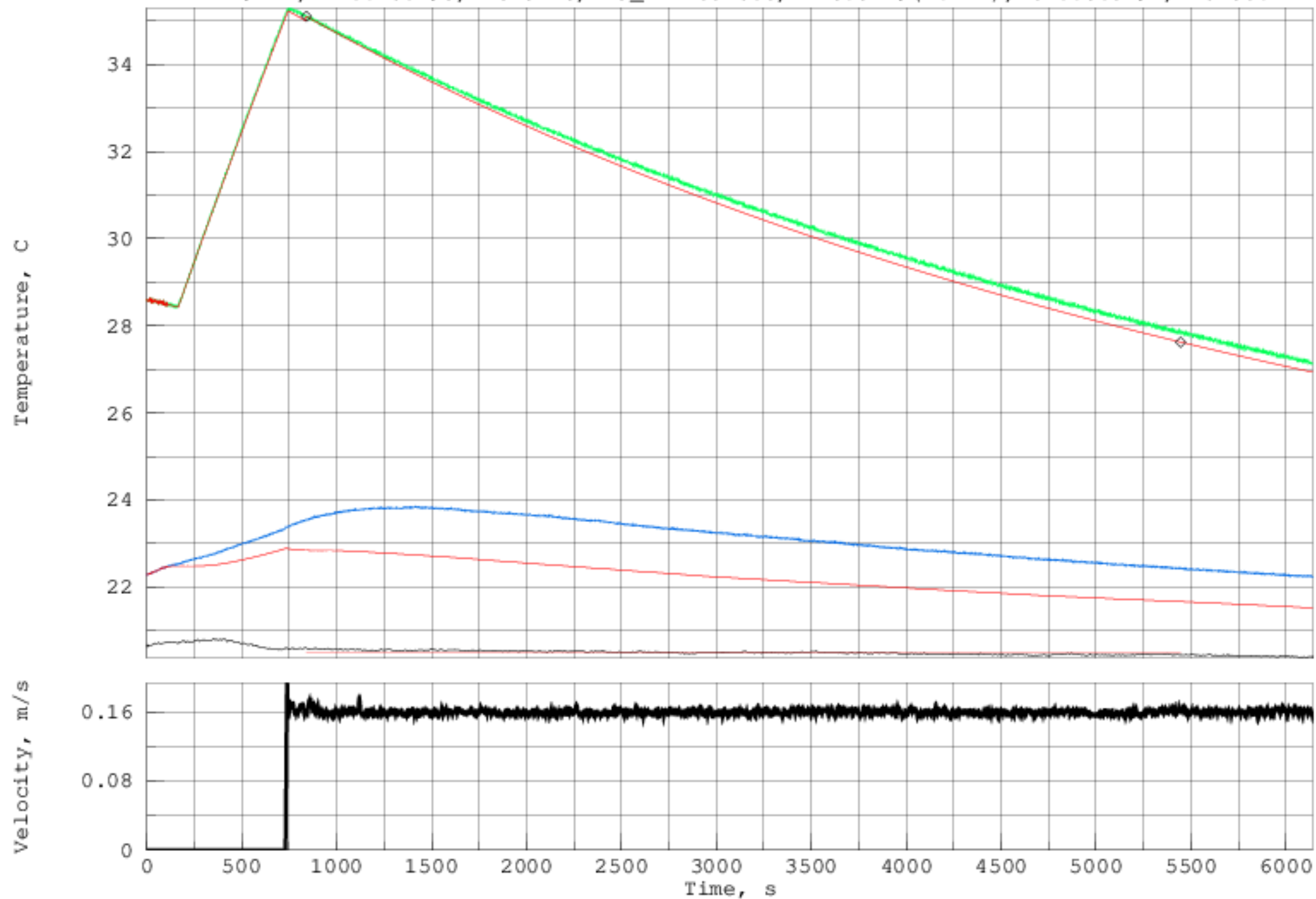
opposing mixed convection vertical plate, 1mm Roughness, $\Delta T=10.4\text{K}$



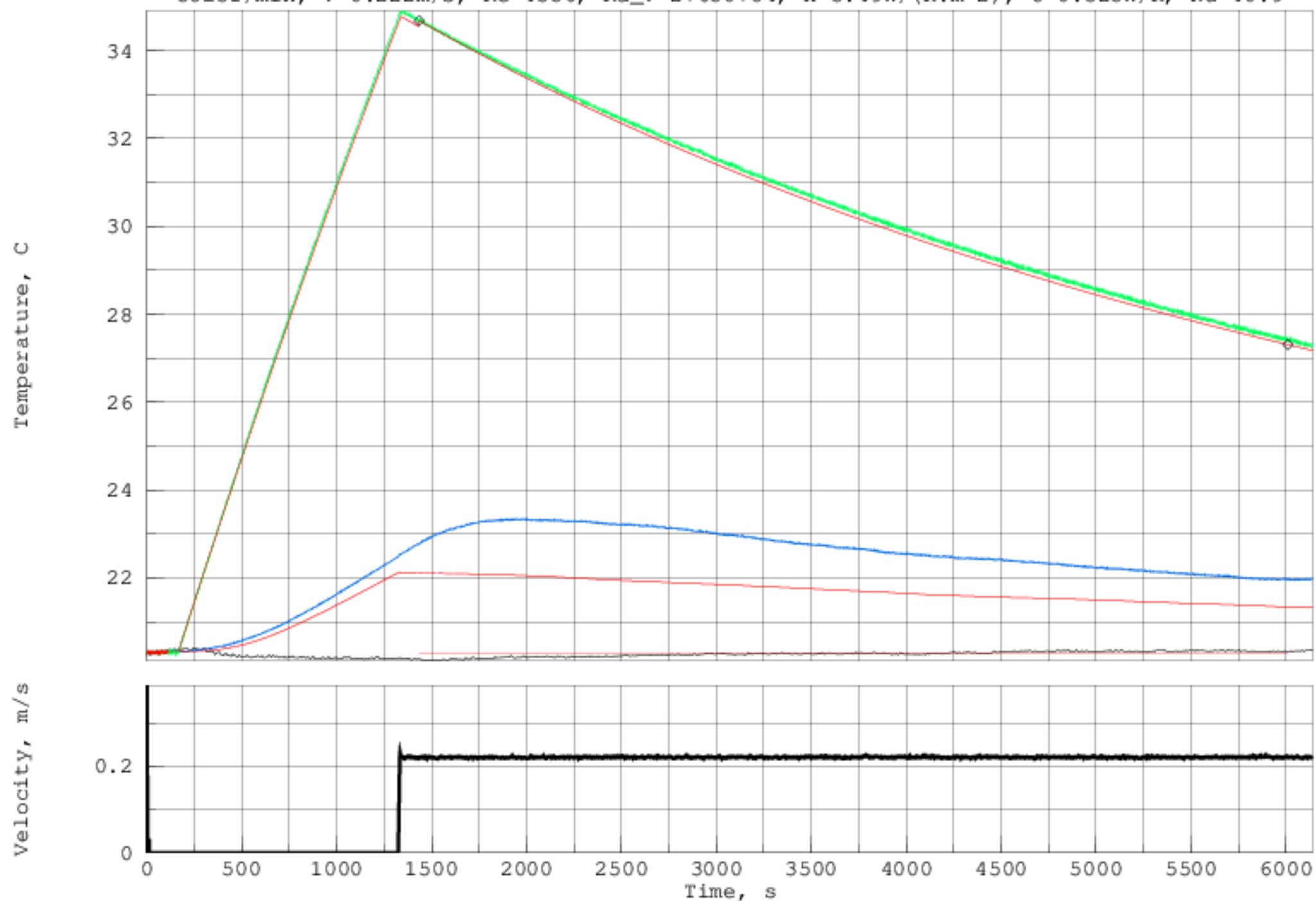
20170905T113019Z - mixed Convection - Roughness=1.13mm; T=20.8+10.4°C; +0.00°
k=0.0261, Ra_V=27577243, h=3.12W/(K.m^2), U=0.290W/K, Nu=36.5, Pr=0.709



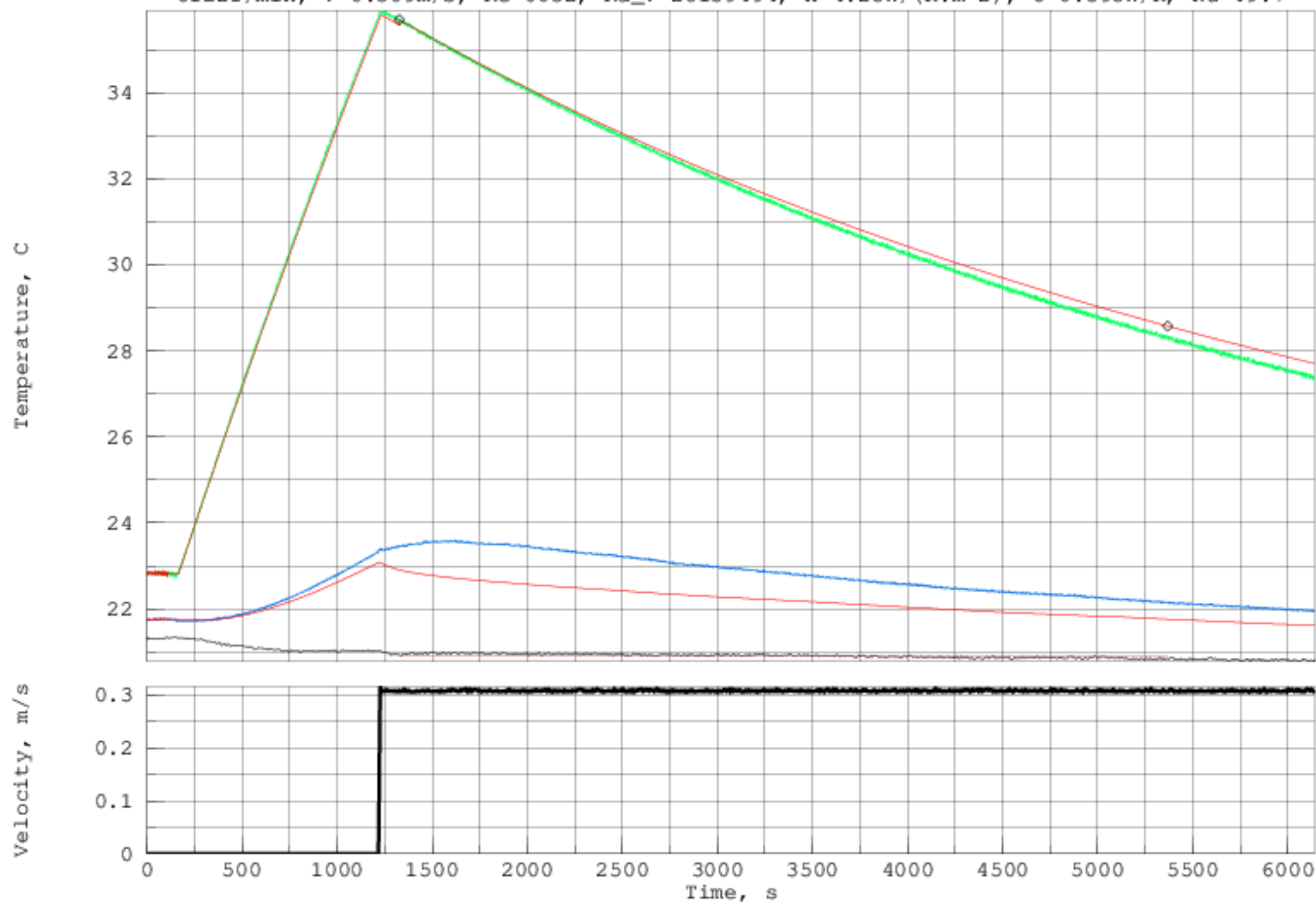
20170904T030735Z - mixed Convection - Roughness=1.13mm; T=20.5+10.5°C; +0.00°
42±4r/min, V=0.160m/s, Re=3123, Ra_V=27881608, h=3.31W/(K.m²), U=0.308W/K, Nu=38.7



20170904T124824Z - mixed Convection - Roughness=1.13mm; T=20.3+10.3°C; +0.00°
58±3r/min, V=0.222m/s, Re=4356, Ra_V=27650784, h=3.49W/(K.m²), U=0.325W/K, Nu=40.9

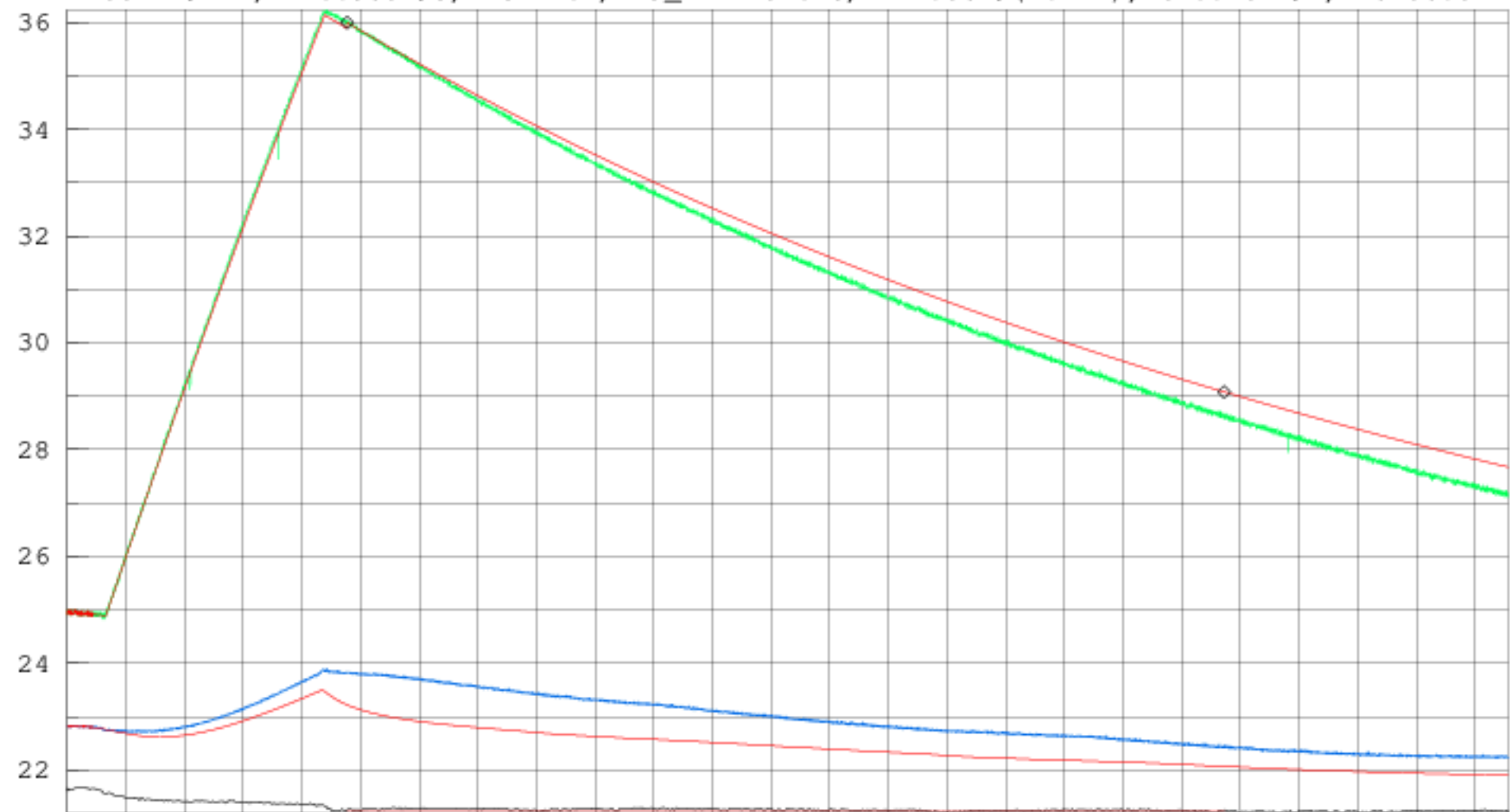


20170904T231856Z - mixed Convection - Roughness=1.13mm; T=20.9+10.6°C; +0.00°
81±2r/min, V=0.309m/s, Re=6032, Ra_V=28139494, h=4.25W/(K.m²), U=0.395W/K, Nu=49.7

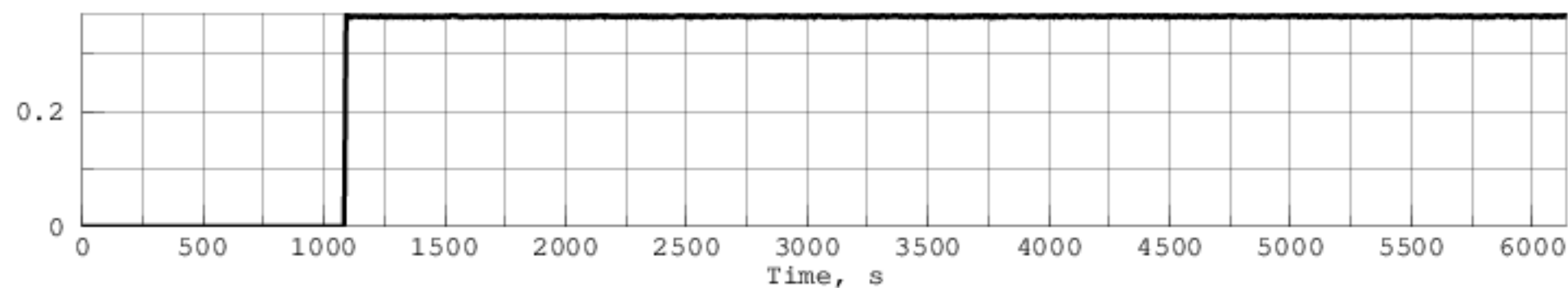


20170905T211144Z - mixed Convection - Roughness=1.13mm; T=21.3+10.6°C; +0.00°
95±2r/min, V=0.365m/s, Re=7101, Ra_V=27782013, h=4.86W/(K.m²), U=0.452W/K, Nu=56.8

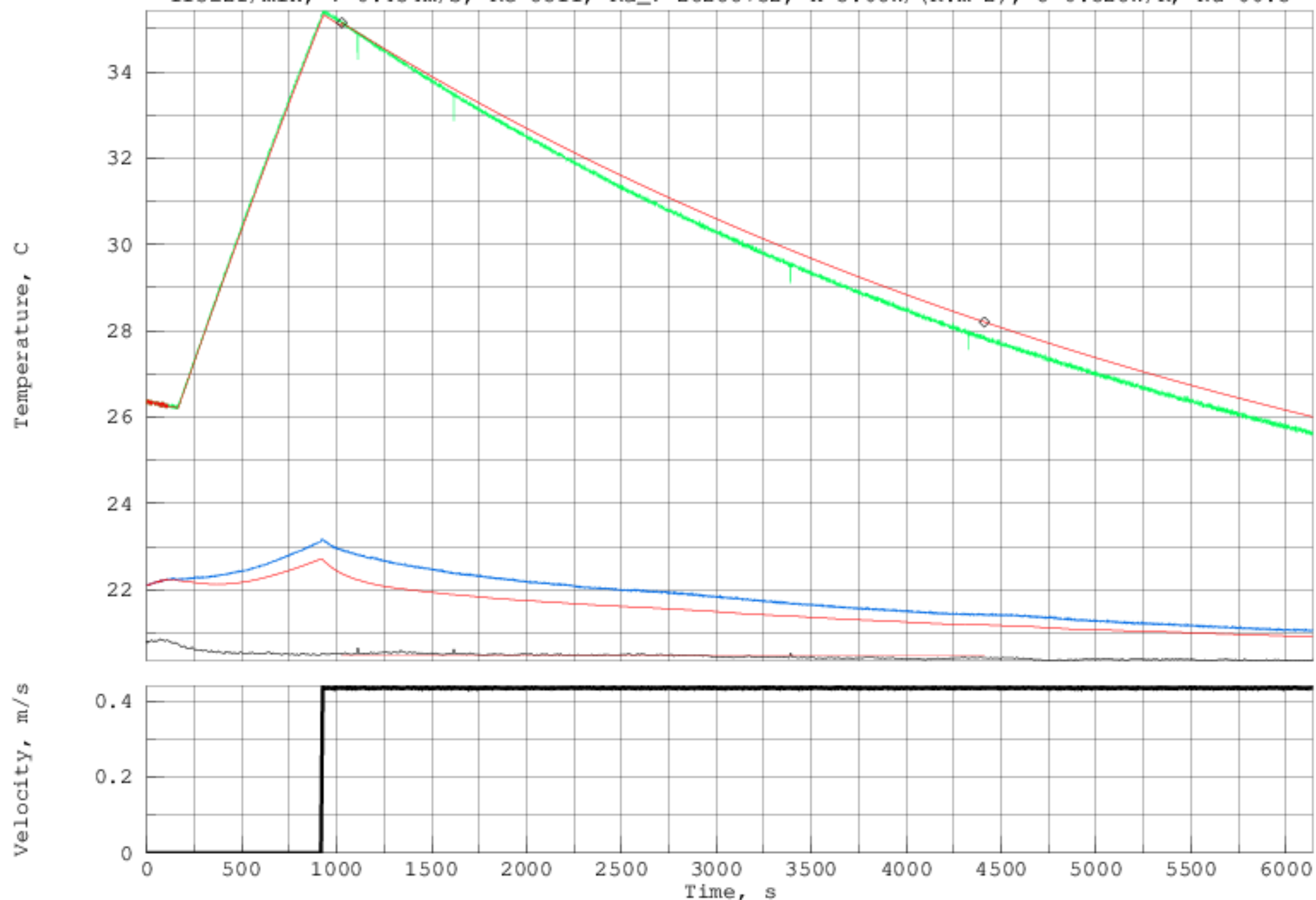
Temperature, C



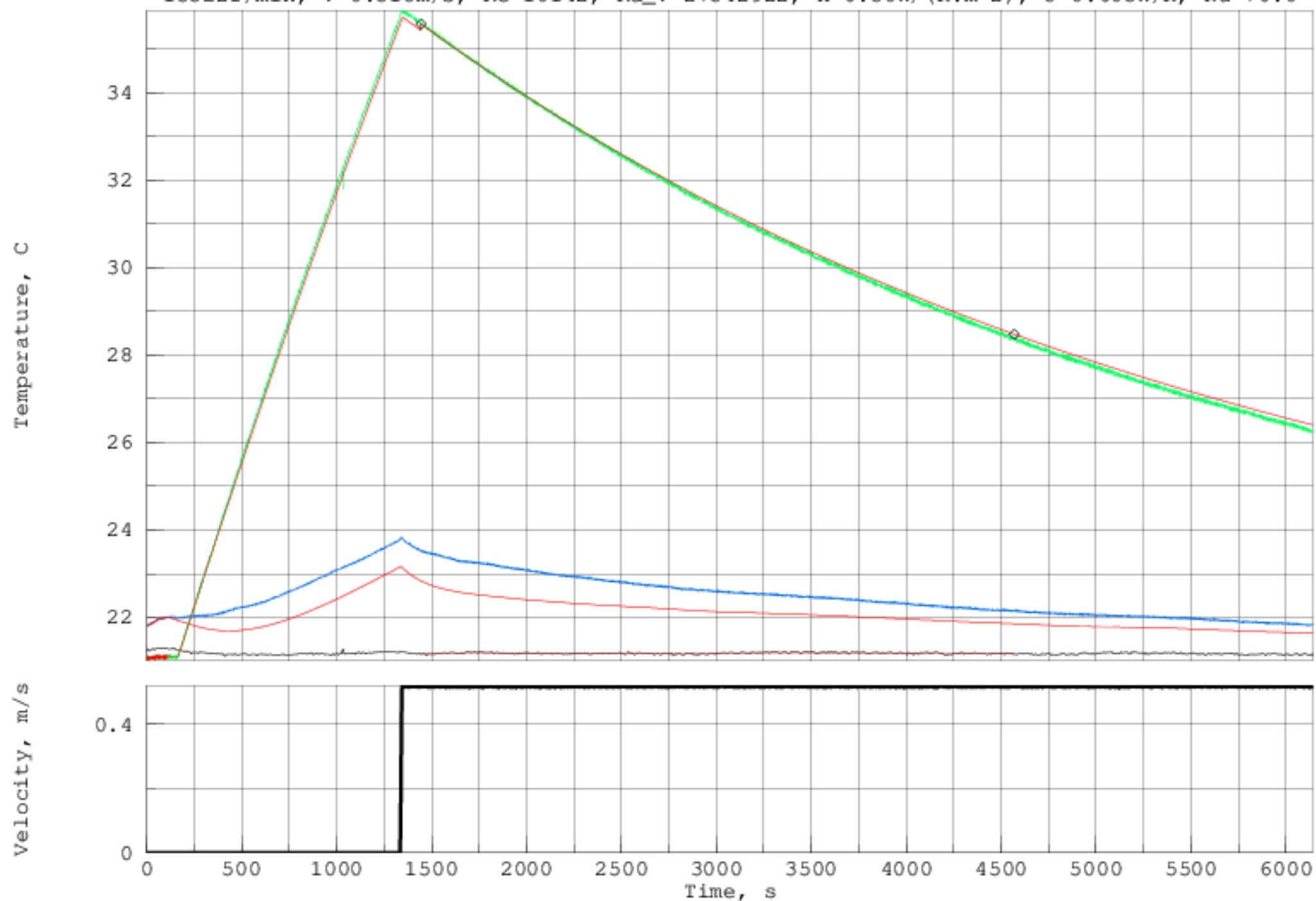
Velocity, m/s



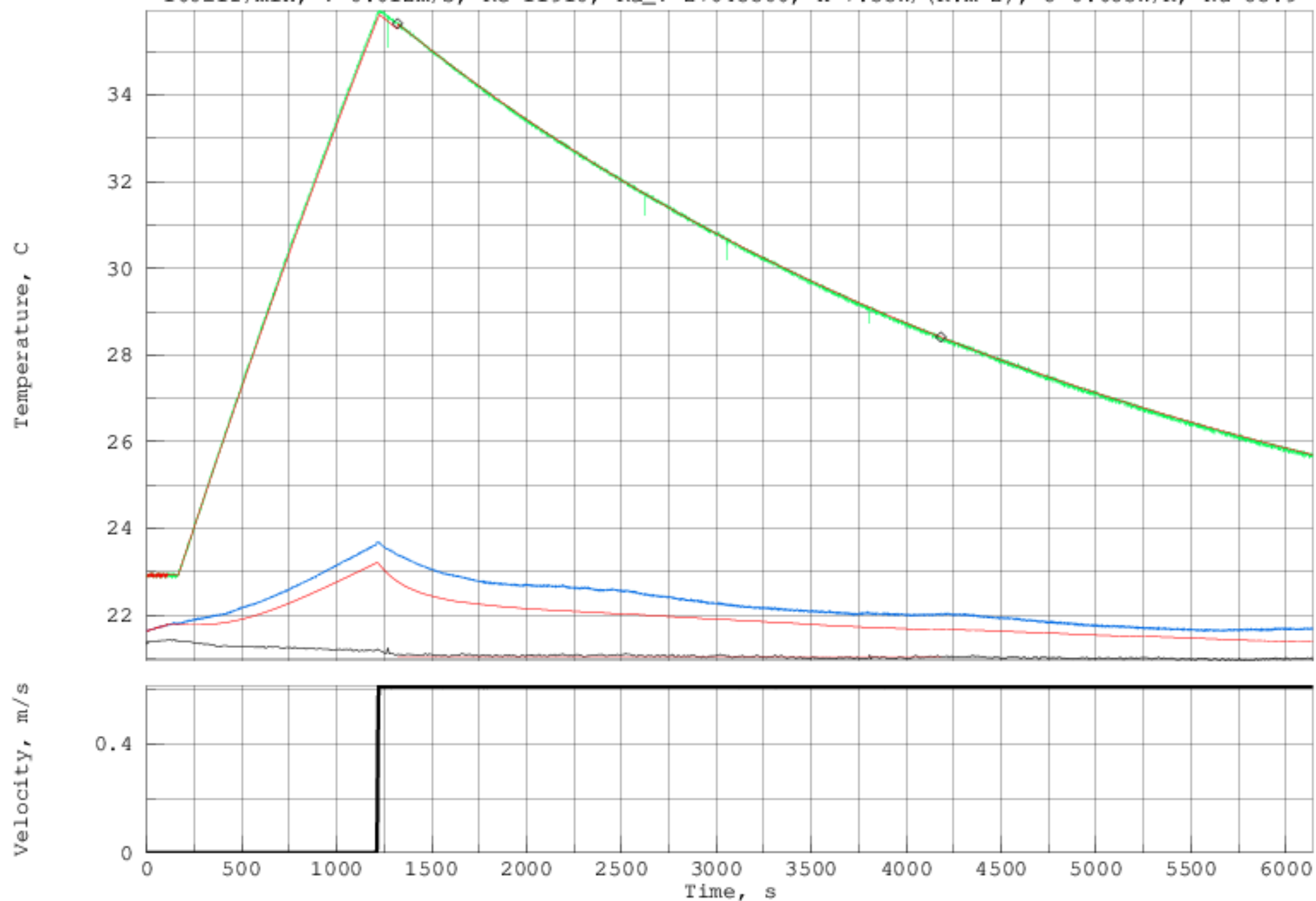
20170904T144811Z - mixed Convection - Roughness=1.13mm; T=20.5+10.6°C; +0.00°
113±2r/min, V=0.434m/s, Re=8511, Ra_V=28288732, h=5.68W/(K.m²), U=0.528W/K, Nu=66.5



20170908T005847Z - mixed Convection - Roughness=1.13mm; T=21.2+10.4°C; +0.00°
135±2r/min, V=0.518m/s, Re=10142, Ra_V=27542922, h=6.50W/(K.m²), U=0.605W/K, Nu=76.0

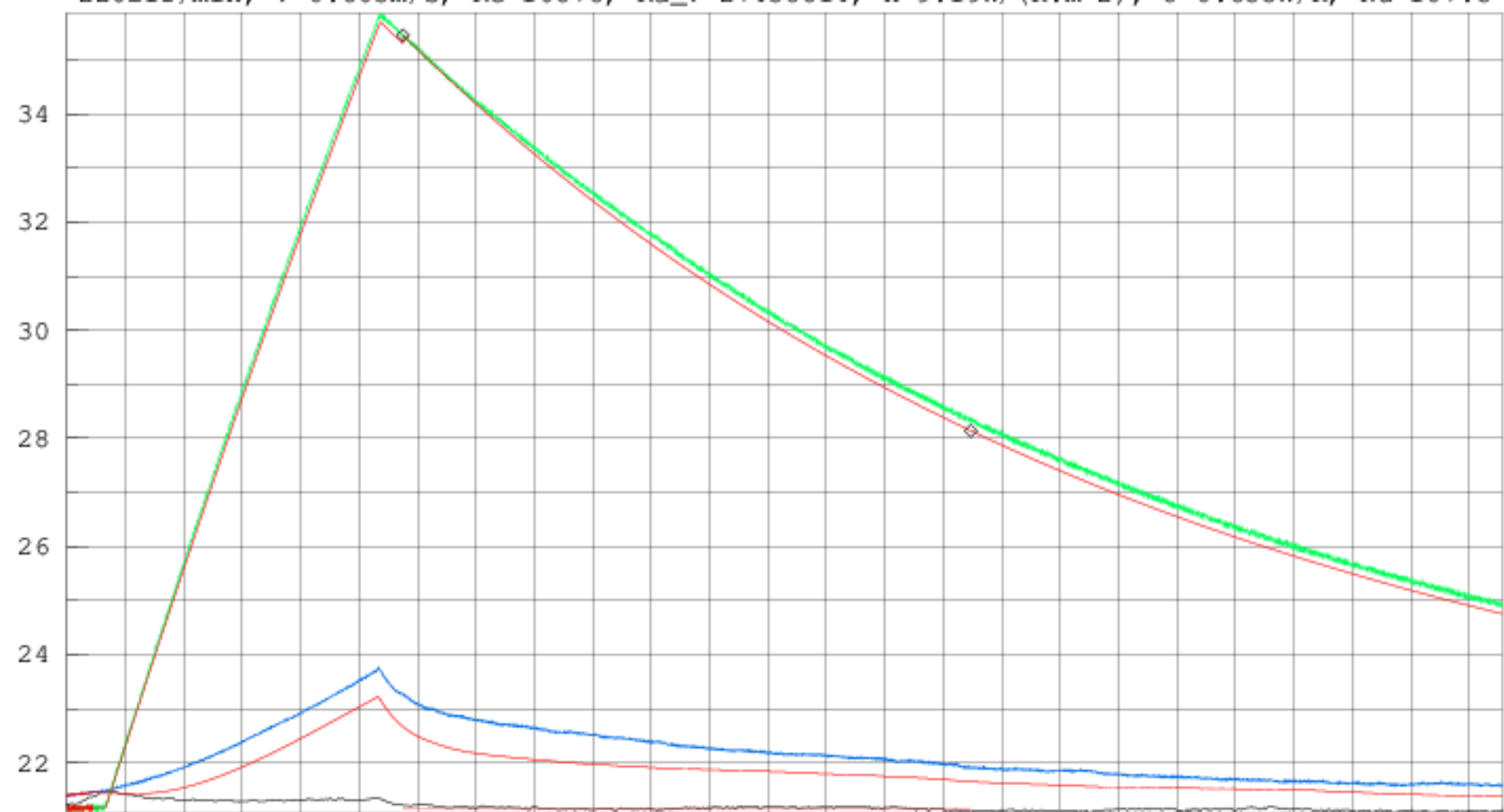


20170905T191045Z - mixed Convection - Roughness=1.13mm; T=21.1+10.5°C; +0.00°
160±1r/min, V=0.612m/s, Re=11910, Ra_V=27645506, h=7.35W/(K.m²), U=0.683W/K, Nu=85.9

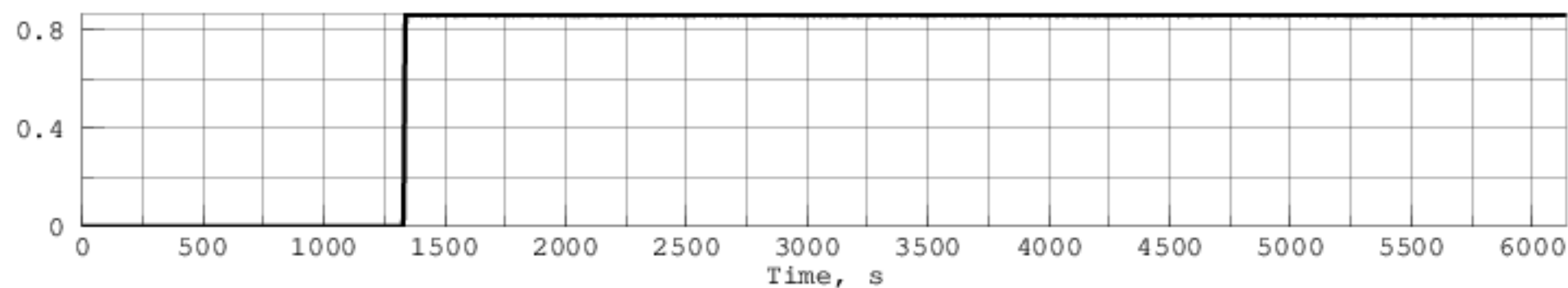


20170906T231528Z - mixed Convection - Roughness=1.13mm; T=21.2+10.3°C; +0.00°
226±1r/min, V=0.863m/s, Re=16878, Ra_V=27438814, h=9.19W/(K.m²), U=0.855W/K, Nu=107.5

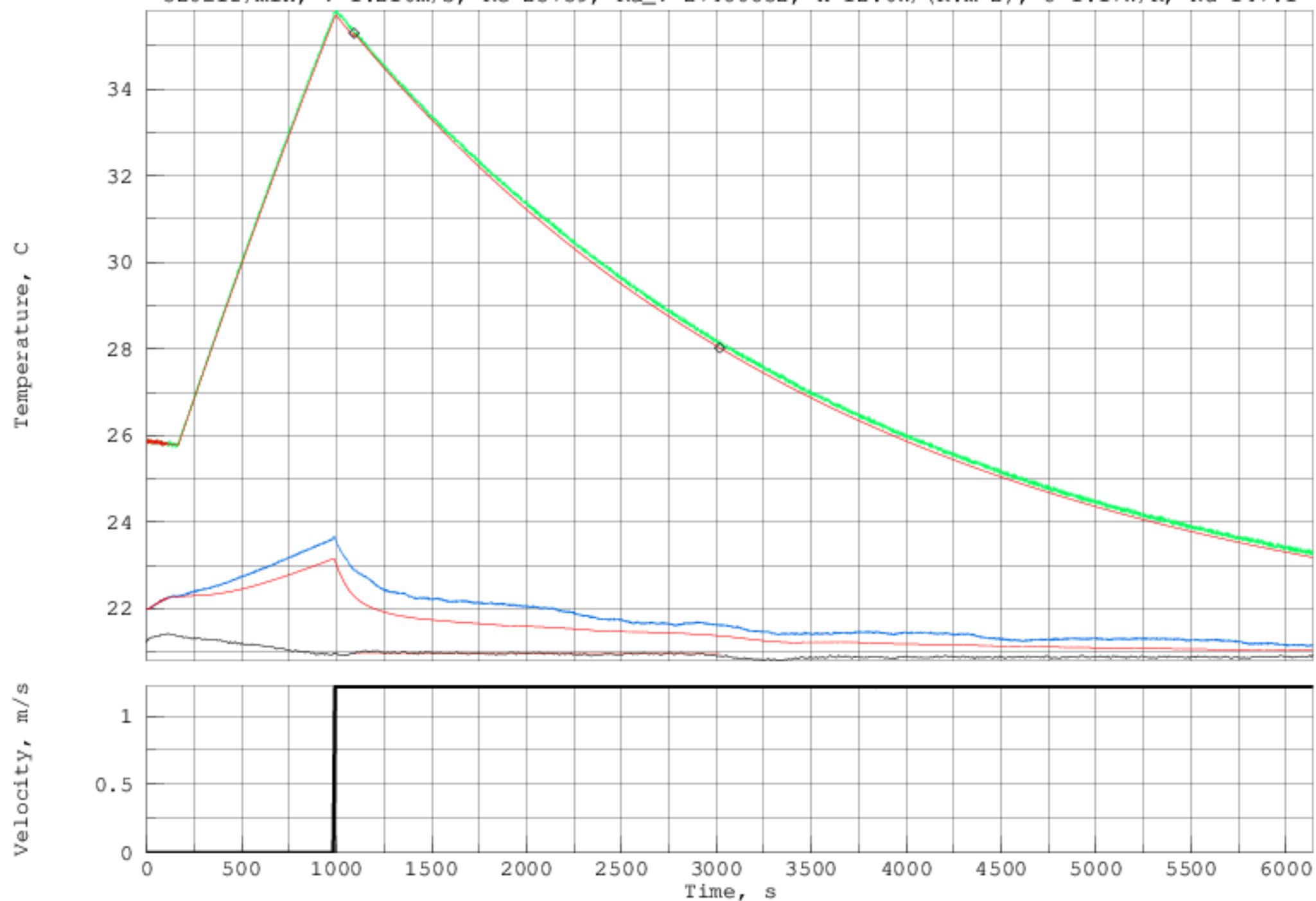
Temperature, C



Velocity, m/s

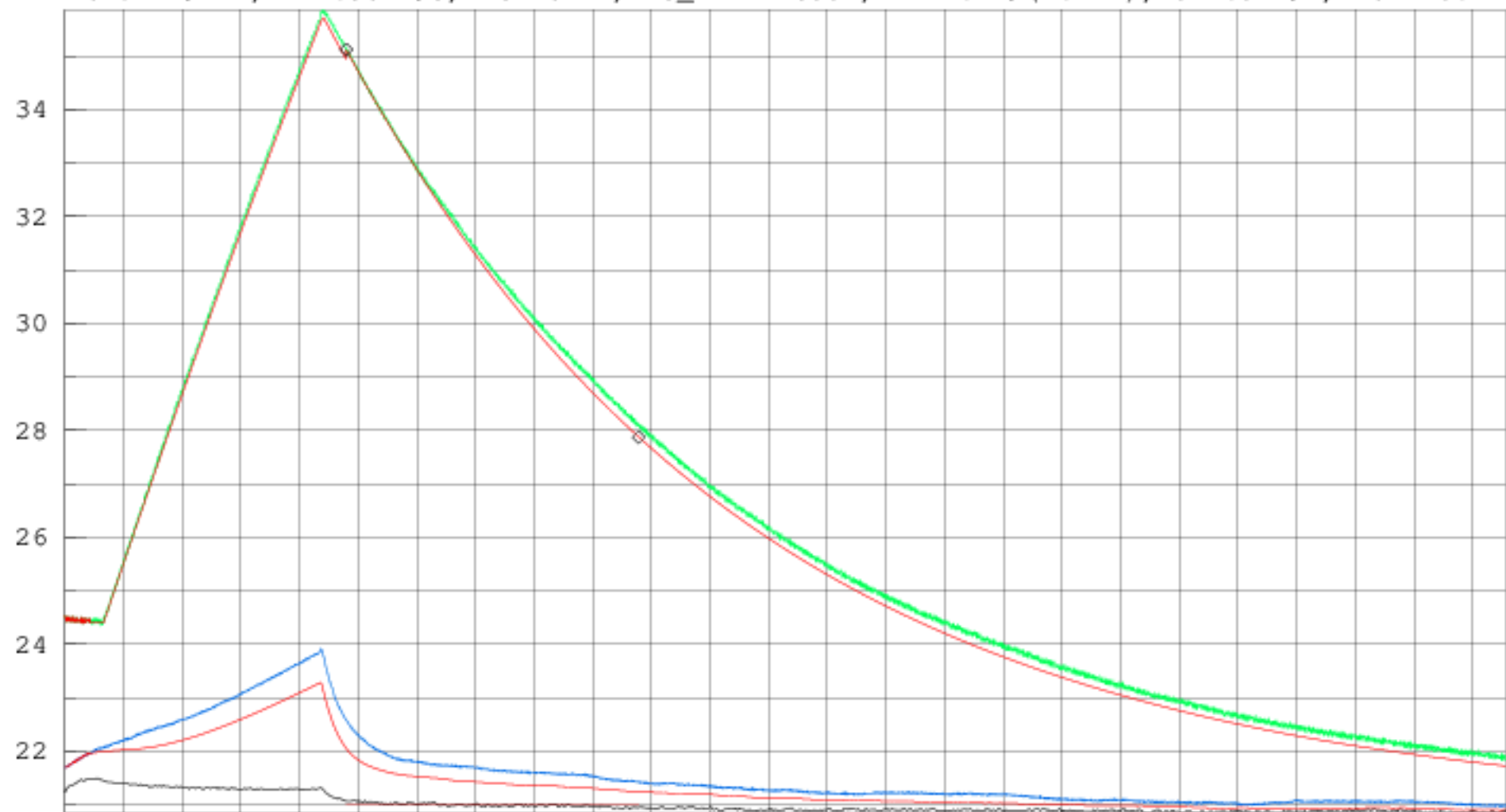


20170906T021026Z - mixed Convection - Roughness=1.13mm; T=21.0+10.4°C; +0.00°
320±1r/min, V=1.216m/s, Re=23739, Ra_V=27480832, h=12.6W/(K.m²), U=1.17W/K, Nu=147.1

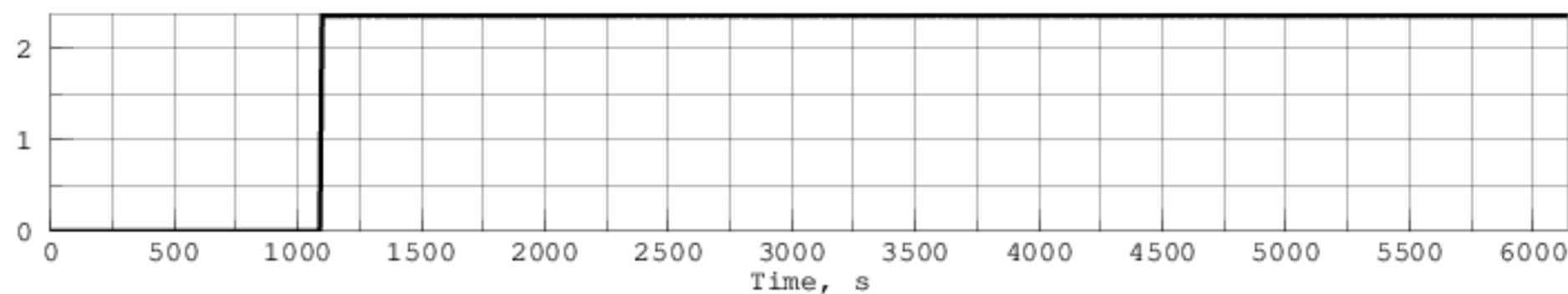


20170907T010459Z - mixed Convection - Roughness=1.13mm; T=21.0+10.2°C; +0.00°
640±4r/min, V=2.361m/s, Re=46271, Ra_V=27243997, h=21.2W/(K.m²), U=1.97W/K, Nu=248.2

Temperature, C

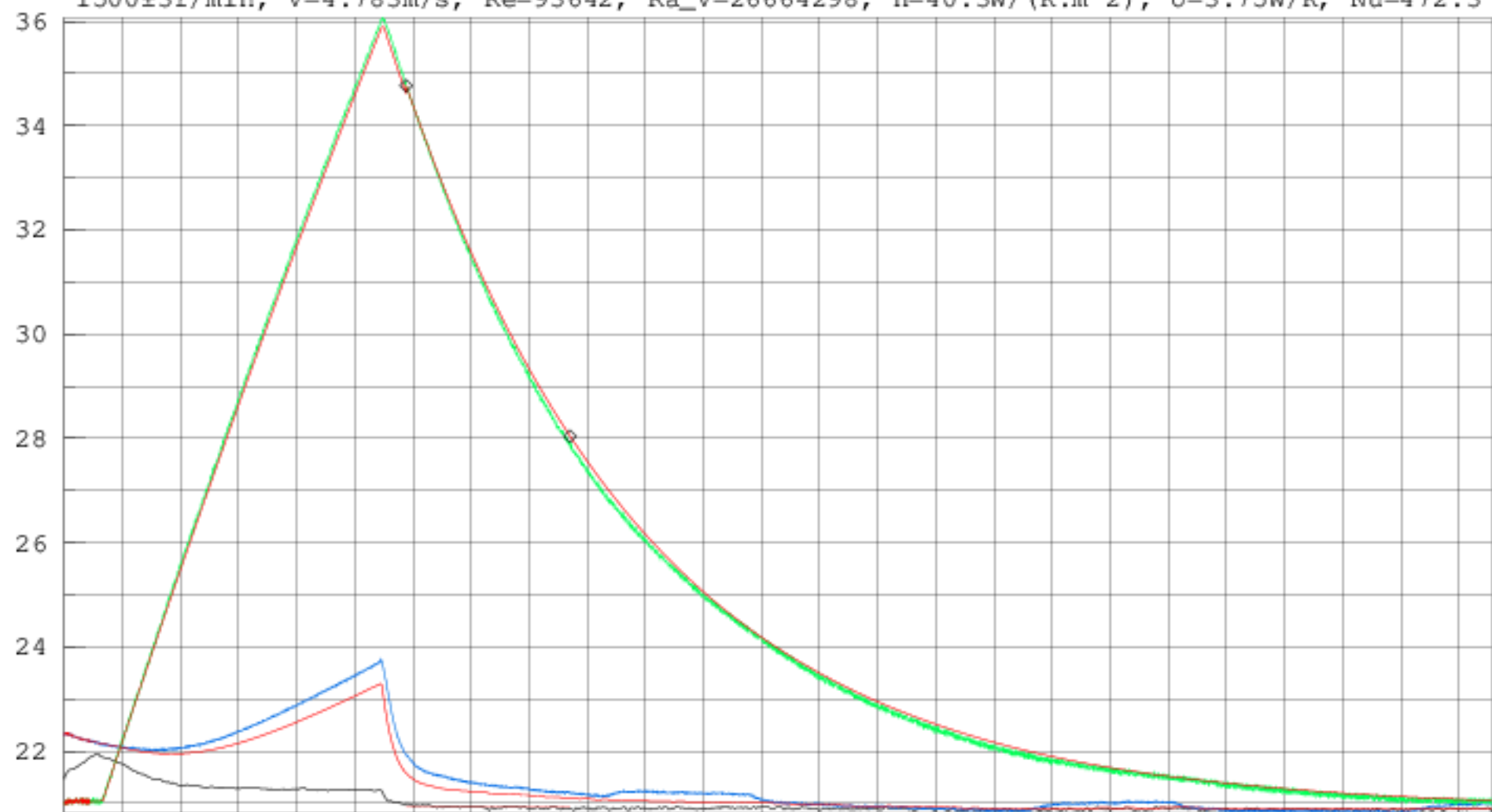


Velocity, m/s



20170907T230723Z - mixed Convection - Roughness=1.13mm; T=20.9+10.0°C; +0.00°
1500±3r/min, V=4.783m/s, Re=93642, Ra_V=26664298, h=40.3W/(K.m²), U=3.75W/K, Nu=472.3

Temperature, C



Velocity, m/s

