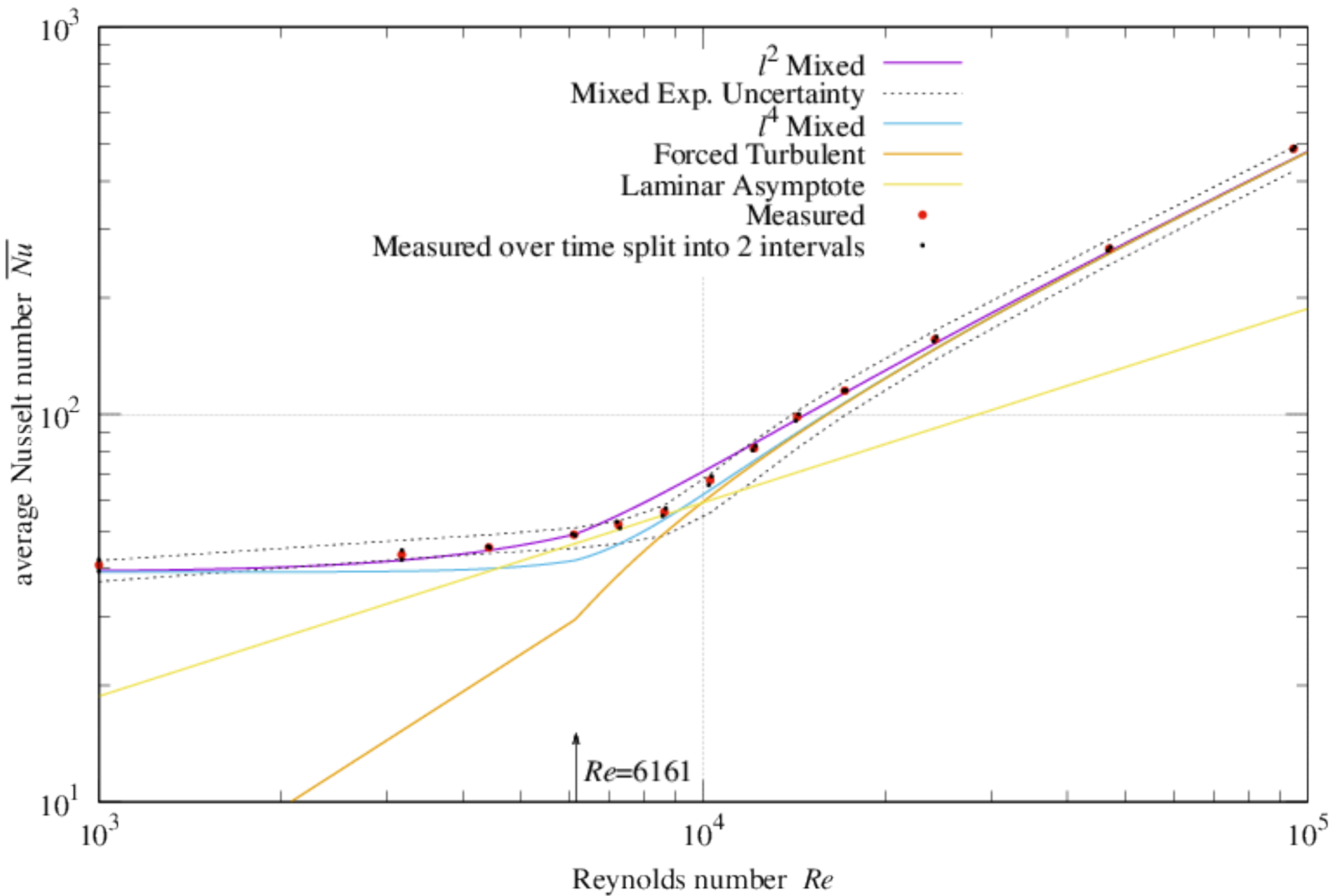
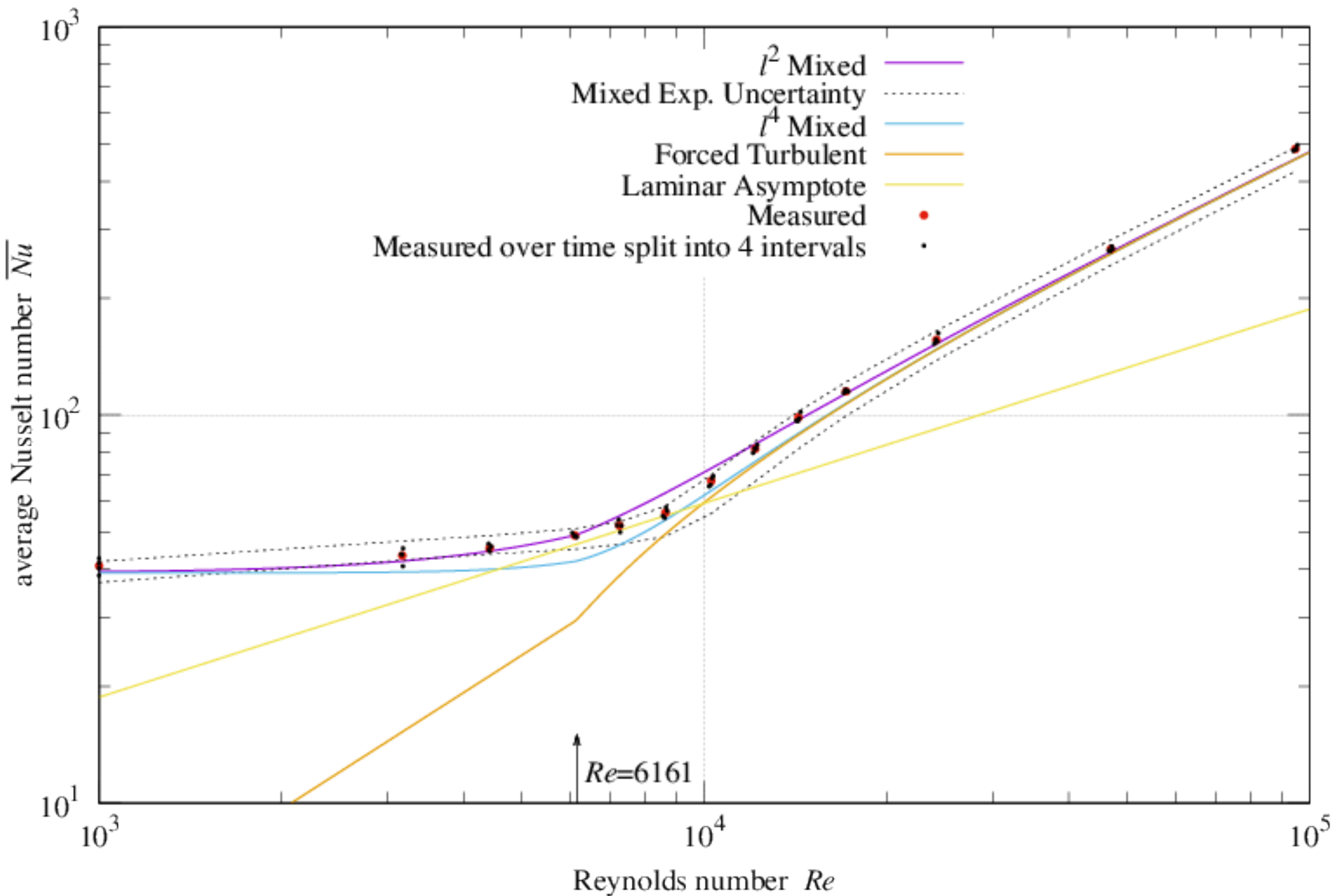


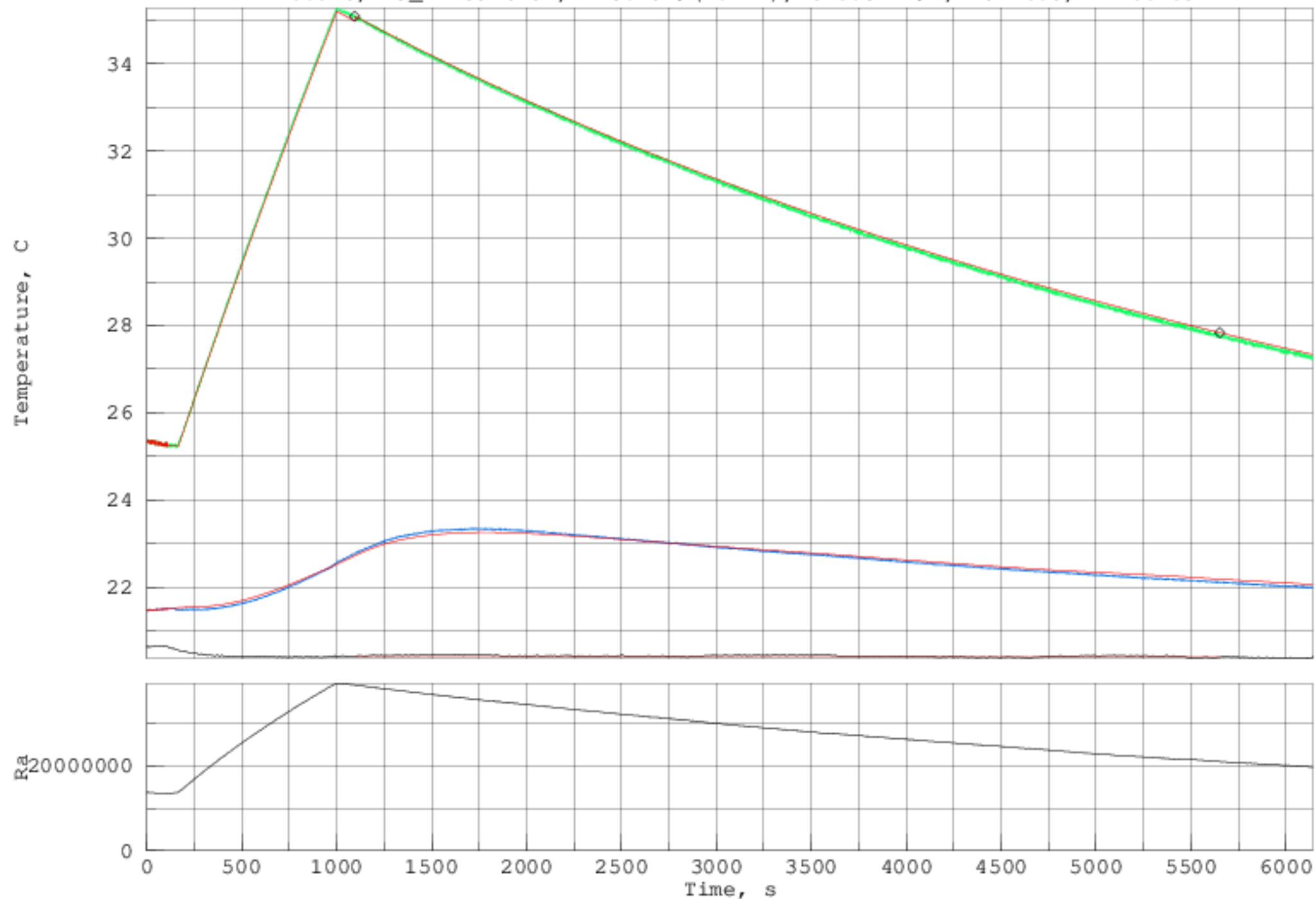
Aiding Mixed Convection Vertical Plate, 1mm Roughness,  $\Delta T=10.5\text{K}$



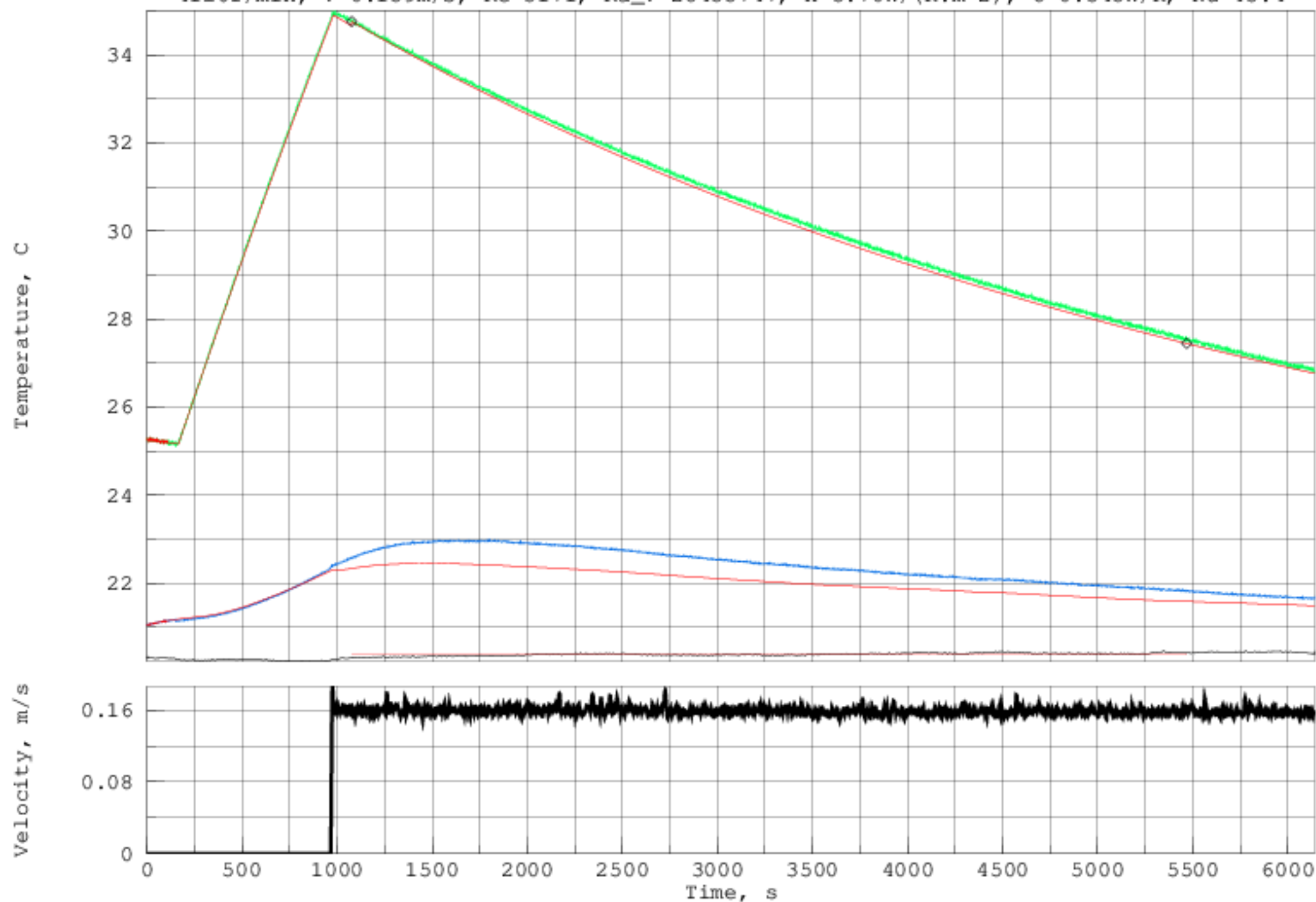
Aiding Mixed Convection Vertical Plate, 1mm Roughness,  $\Delta T=10.5\text{K}$



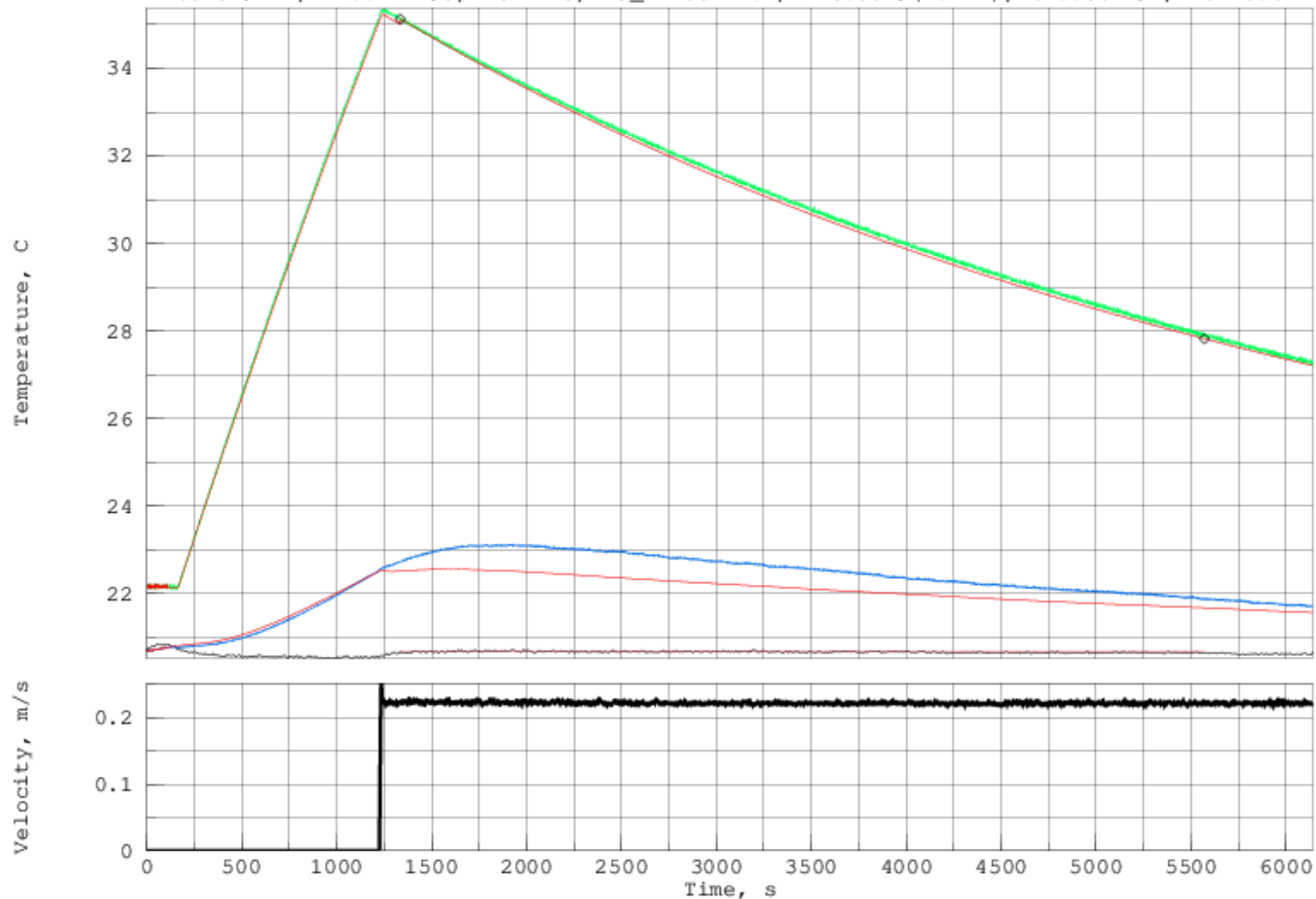
20170910T164102Z - mixed Convection - Roughness=1.13mm; T=20.4+10.5°C; +0.00°  
k=0.026, Ra\_V=28976187, h=3.48W/(K.m^2), U=0.324W/K, Nu=40.8, Pr=0.709



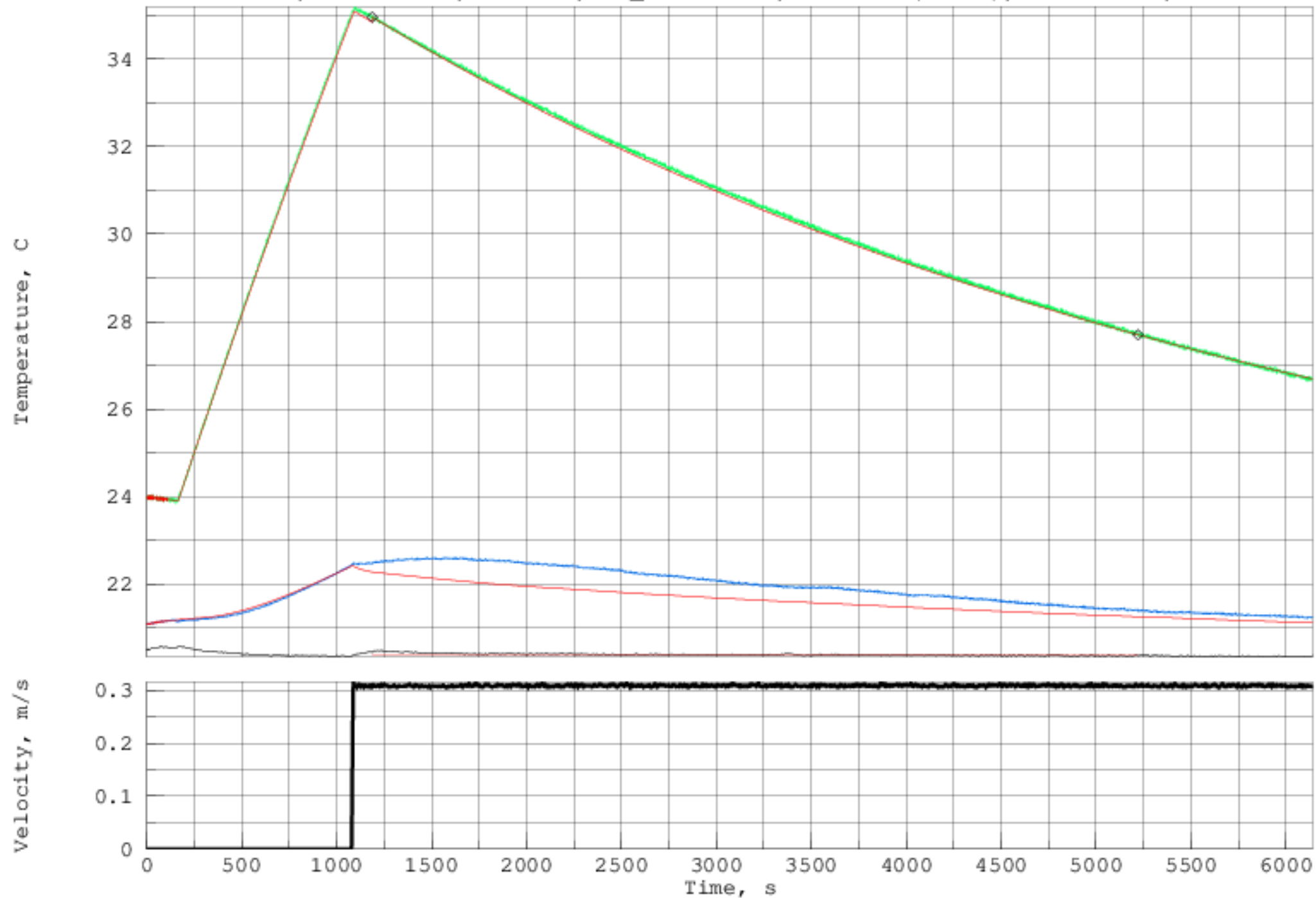
20170910T142911Z - mixed Convection - Roughness=1.13mm; T=20.4+10.3°C; +0.00°  
41±6r/min, V=0.159m/s, Re=3171, Ra\_V=28455747, h=3.70W/(K.m<sup>2</sup>), U=0.345W/K, Nu=43.4



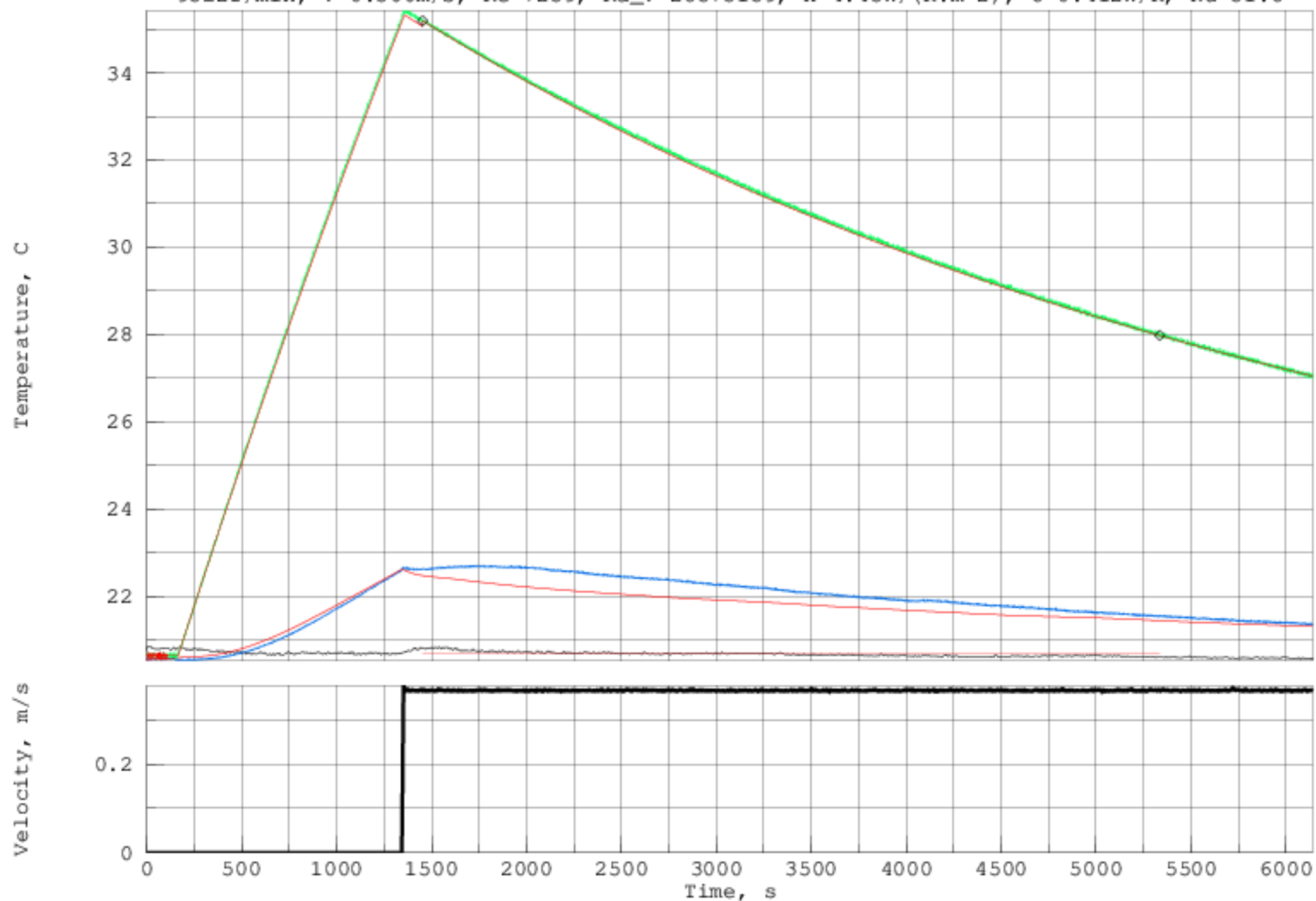
20170911T011243Z - mixed Convection - Roughness=1.13mm; T=20.7+10.4°C; +0.00°  
58±3r/min, V=0.222m/s, Re=4419, Ra\_V=28572401, h=3.88W/(K.m<sup>2</sup>), U=0.361W/K, Nu=45.5



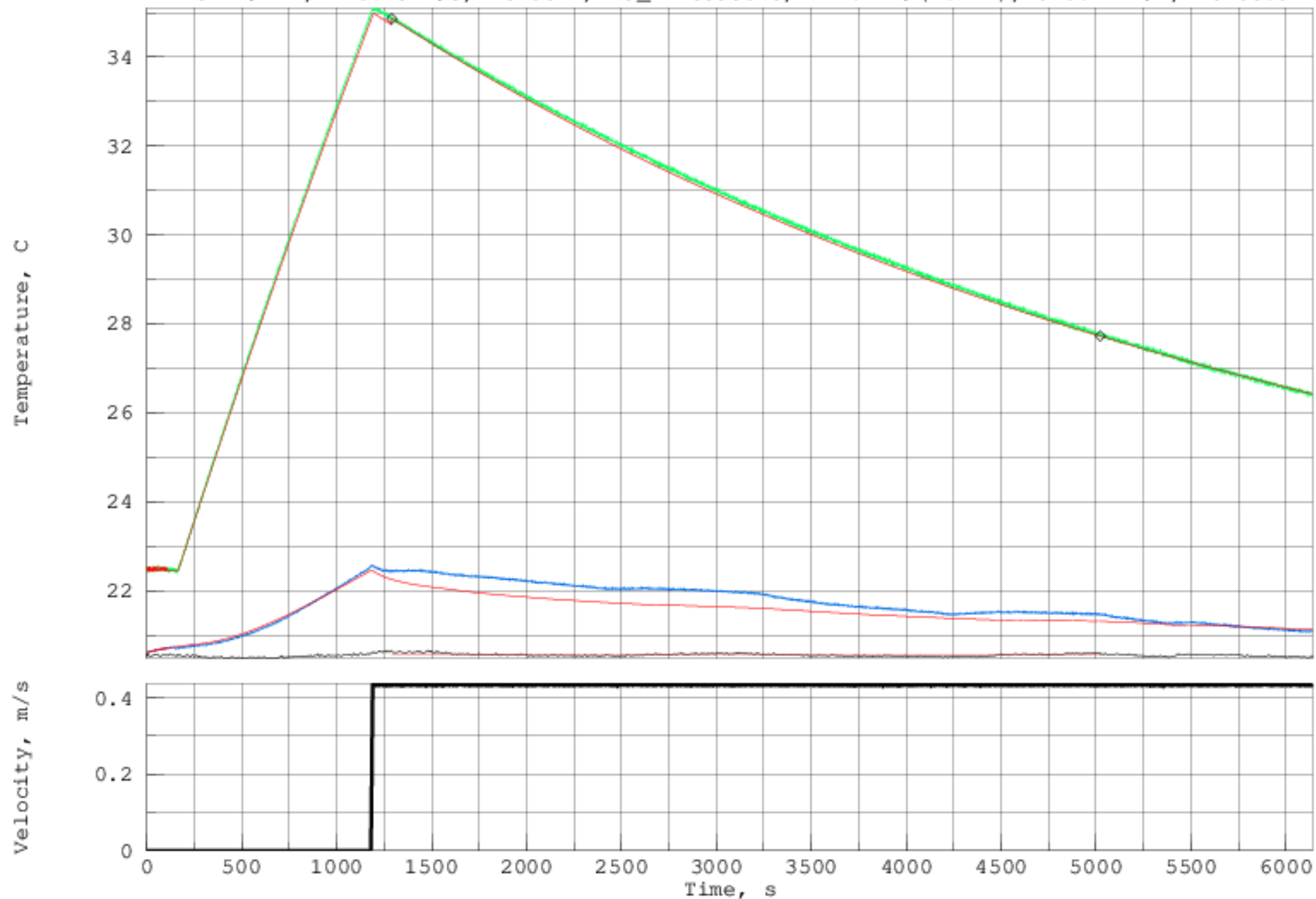
20170912T032622Z - mixed Convection - Roughness=1.13mm; T=20.4+10.5°C; +0.00°  
81±2r/min, V=0.309m/s, Re=6110, Ra\_V=28480868, h=4.18W/(K.m<sup>2</sup>), U=0.388W/K, Nu=48.9



20170909T203343Z - mixed Convection - Roughness=1.13mm; T=20.7+10.5°C; +0.00°  
95±2r/min, V=0.366m/s, Re=7239, Ra\_V=28573159, h=4.43W/(K.m<sup>2</sup>), U=0.412W/K, Nu=51.8

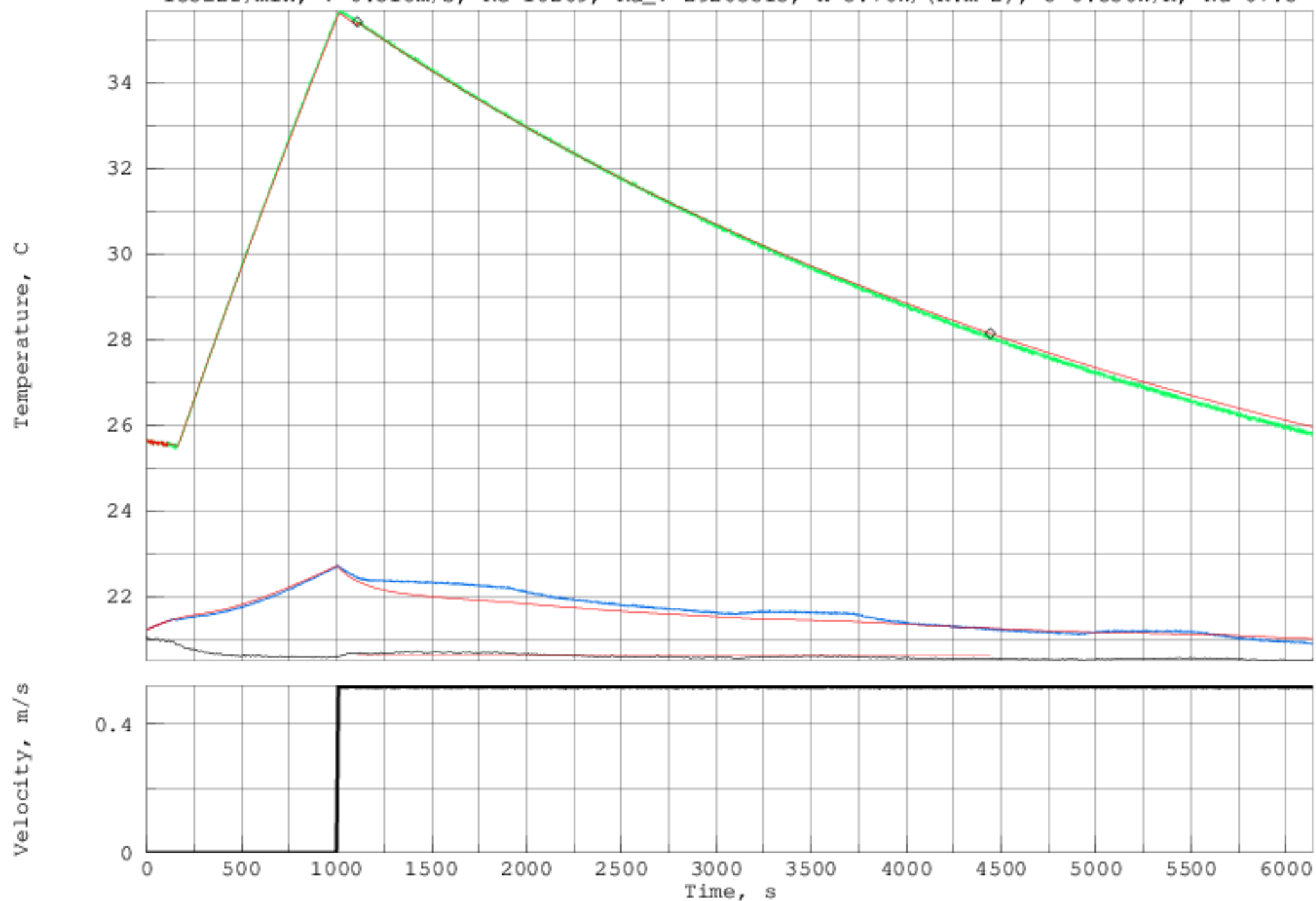


20170910T013735Z - mixed Convection - Roughness=1.13mm; T=20.6+10.4°C; +0.00°  
113±2r/min, V=0.434m/s, Re=8621, Ra\_V=28393076, h=4.77W/(K.m<sup>2</sup>), U=0.444W/K, Nu=55.9





20170910T033019Z - mixed Convection - Roughness=1.13mm; T=20.6+10.7°C; +0.00°  
135±2r/min, V=0.518m/s, Re=10269, Ra\_V=29263515, h=5.76W/(K.m<sup>2</sup>), U=0.536W/K, Nu=67.5

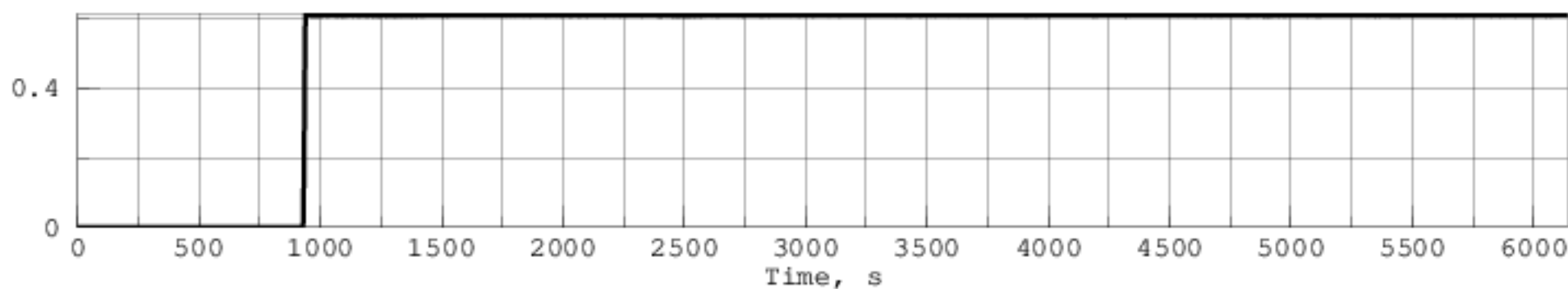


20170909T222944Z - mixed Convection - Roughness=1.13mm; T=20.6+10.4°C; +0.00°  
160±1r/min, V=0.612m/s, Re=12142, Ra\_V=28444720, h=6.99W/(K.m<sup>2</sup>), U=0.650W/K, Nu=81.9

Temperature, C

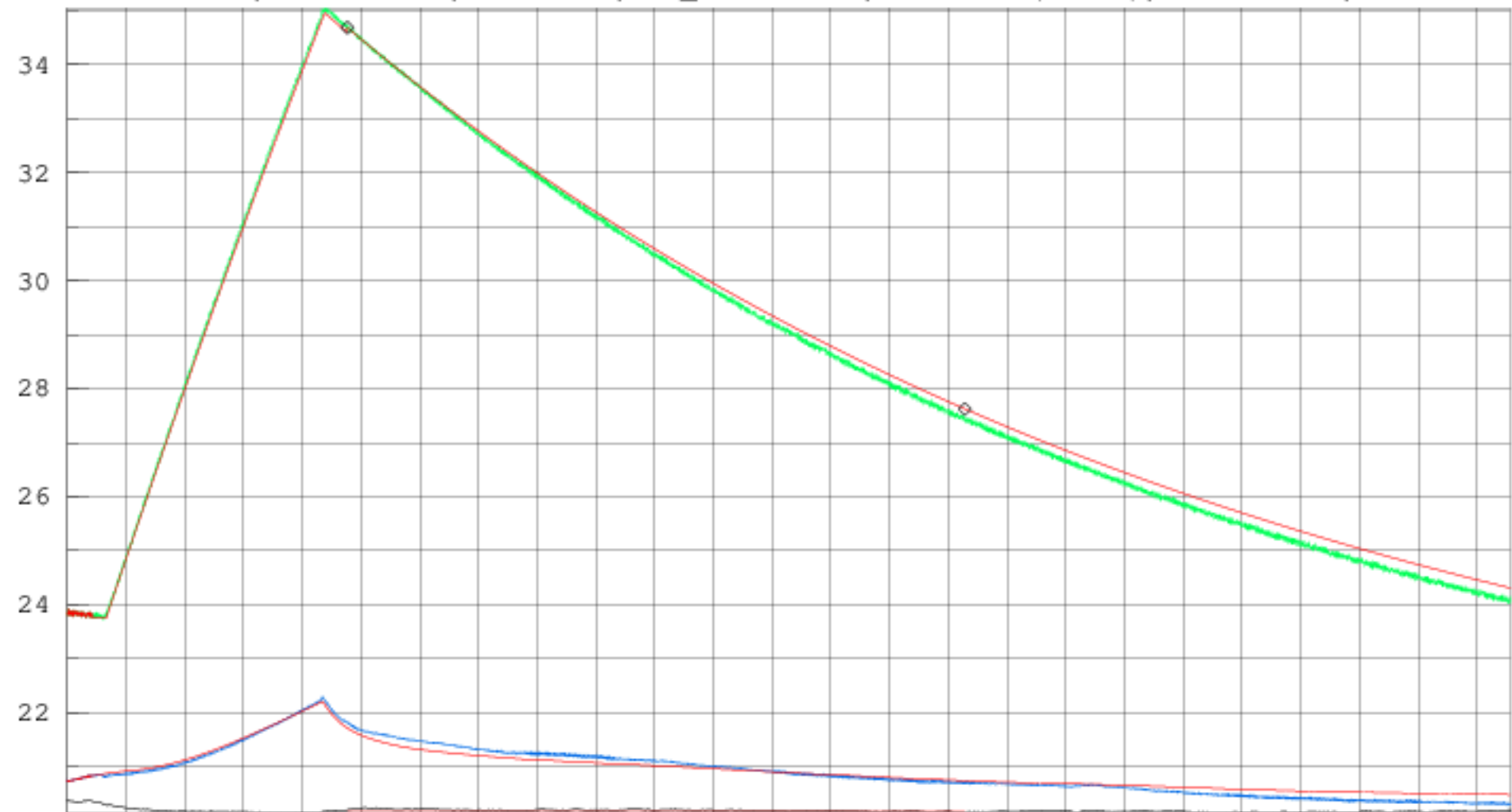


Velocity, m/s

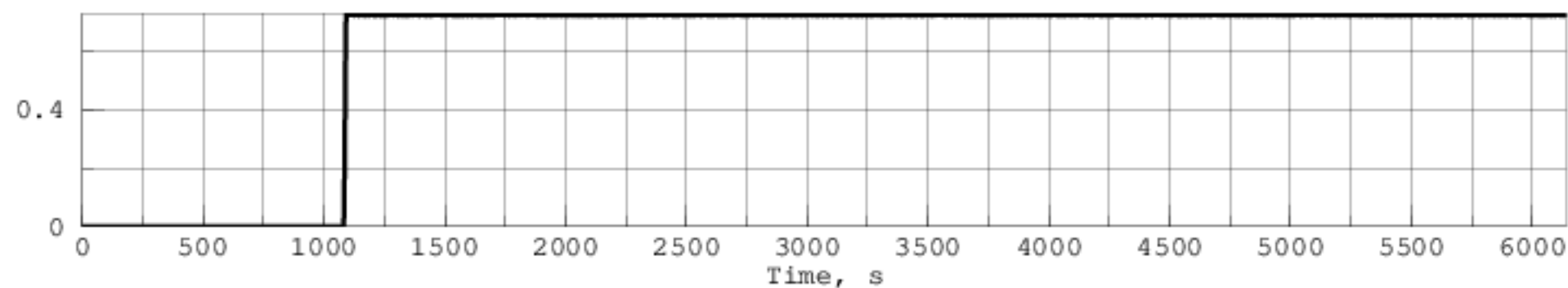


20170912T155940Z - mixed Convection - Roughness=1.13mm; T=20.2+10.5°C; +0.00°  
190±1r/min, V=0.726m/s, Re=14309, Ra\_V=28268556, h=8.38W/(K.m<sup>2</sup>), U=0.779W/K, Nu=98.2

Temperature, C

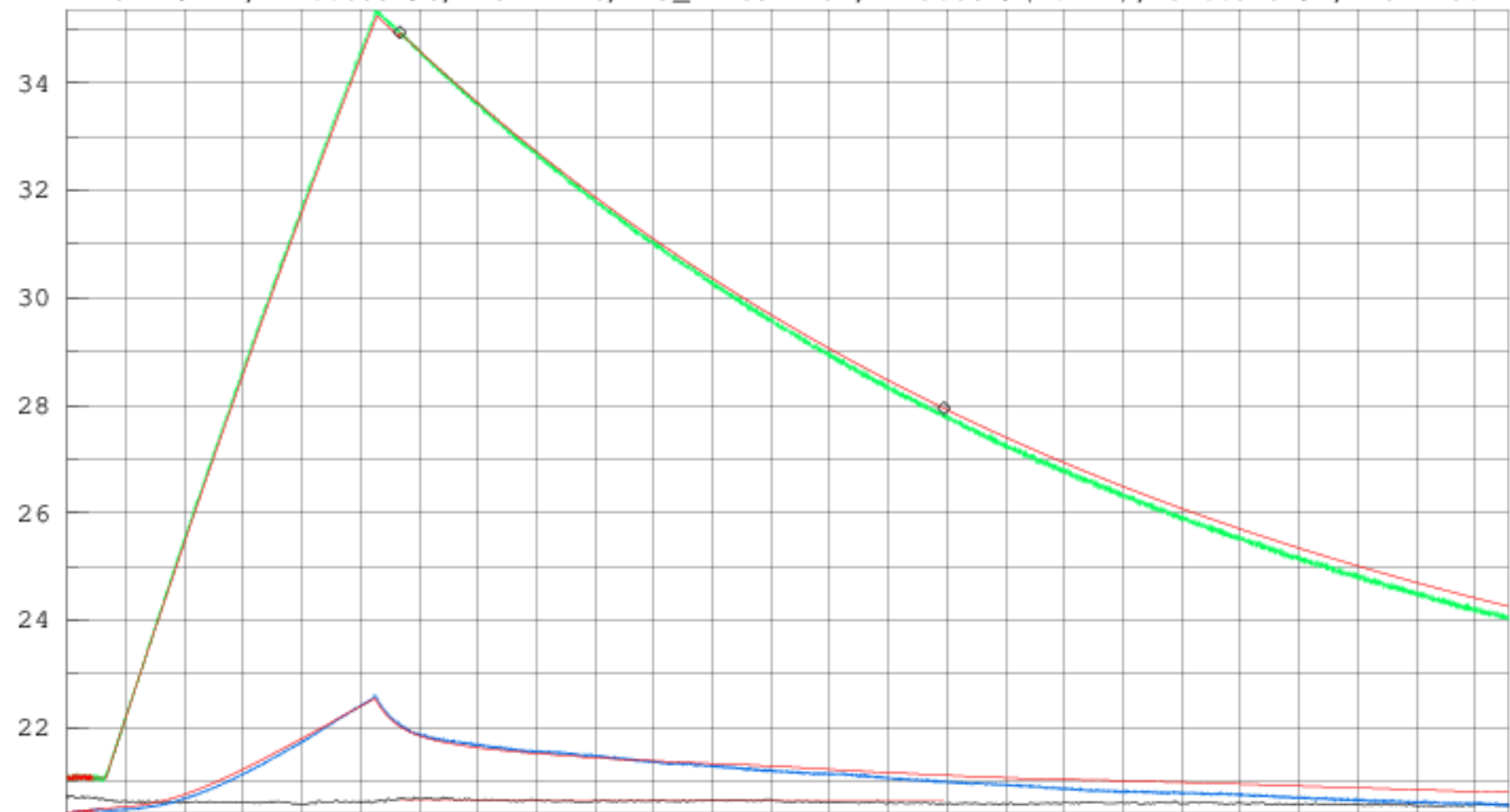


Velocity, m/s

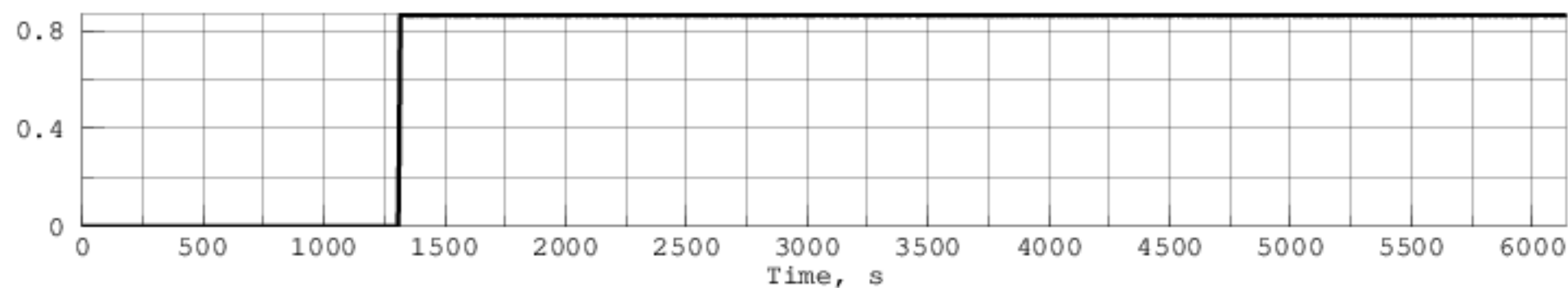


20170910T222420Z - mixed Convection - Roughness=1.13mm; T=20.6+10.3°C; +0.00°  
226±1r/min, V=0.863m/s, Re=17146, Ra\_V=28377192, h=9.83W/(K.m<sup>2</sup>), U=0.915W/K, Nu=115.1

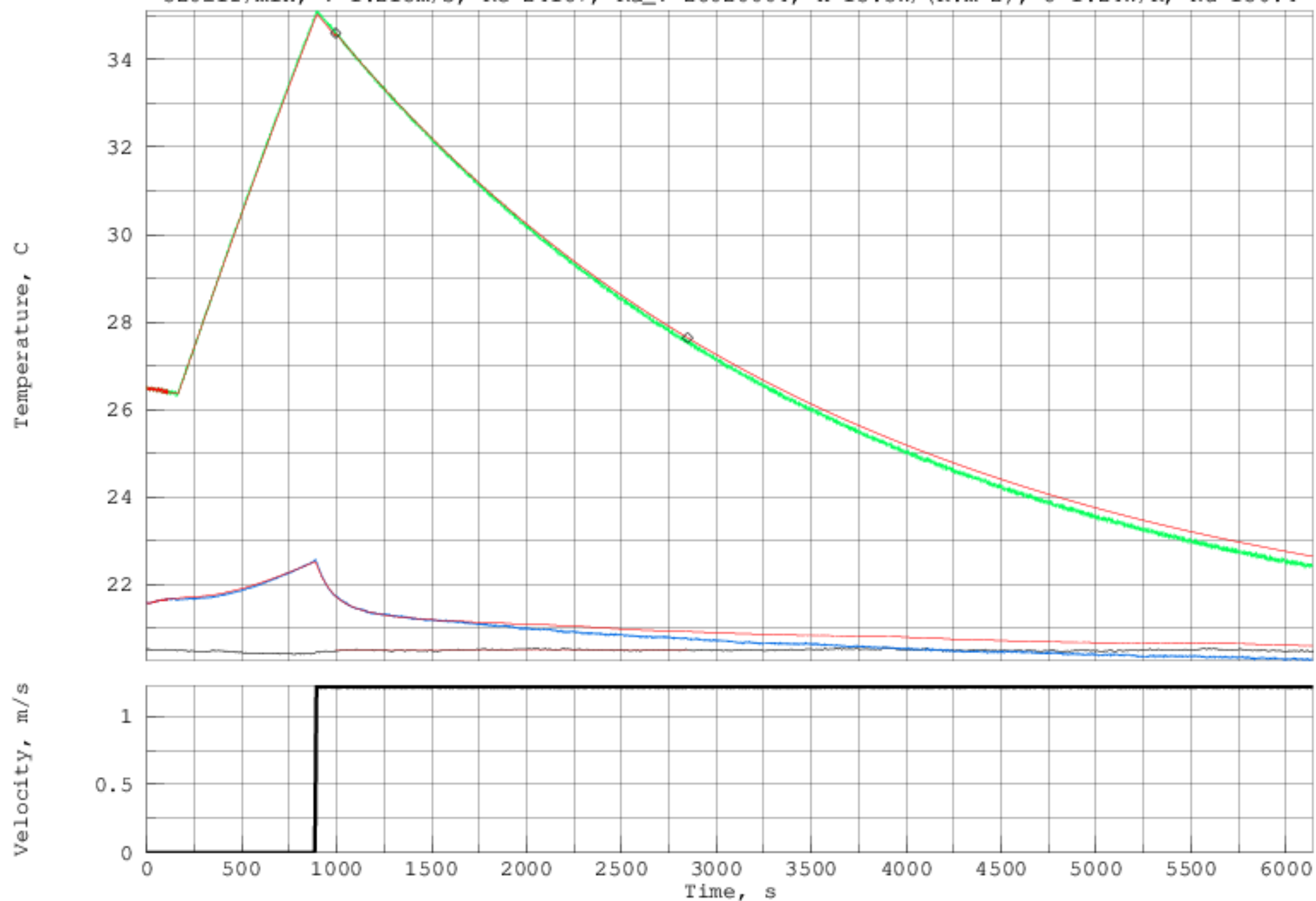
Temperature, C



Velocity, m/s



20170910T183629Z - mixed Convection - Roughness=1.13mm; T=20.5+10.2°C; +0.00°  
320±1r/min, V=1.215m/s, Re=24187, Ra\_V=28020004, h=13.3W/(K.m<sup>2</sup>), U=1.24W/K, Nu=156.4

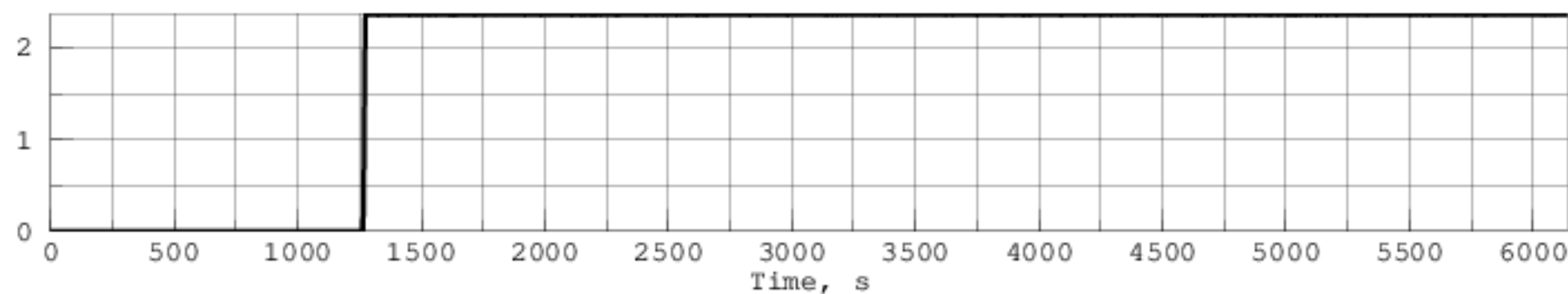


20170910T203619Z - mixed Convection - Roughness=1.13mm; T=20.6+10.1°C; +0.00°  
640±6r/min, V=2.361m/s, Re=46963, Ra\_V=27704833, h=22.8W/(K.m<sup>2</sup>), U=2.12W/K, Nu=267.4

Temperature, C

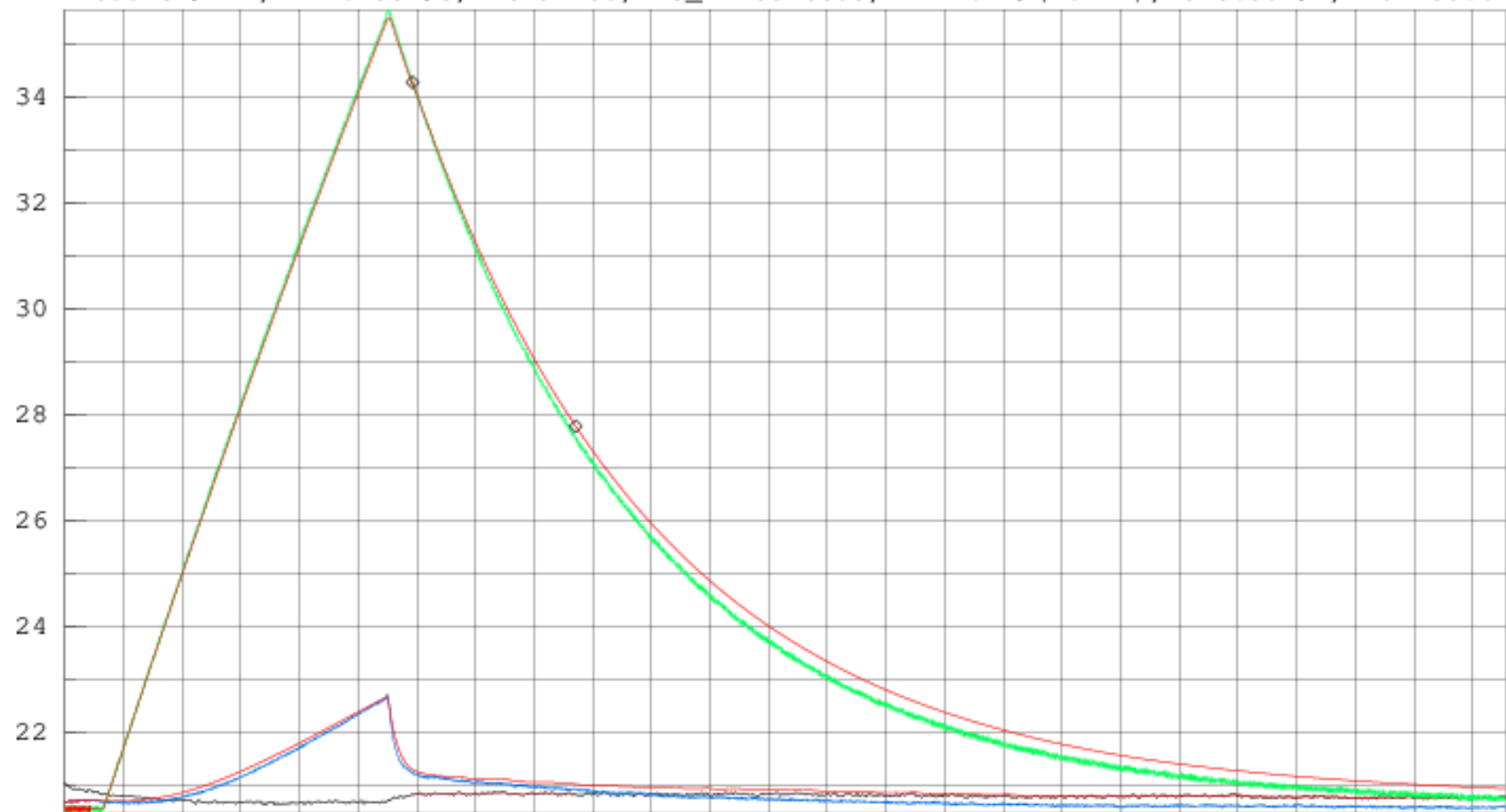


Velocity, m/s



20170909T183253Z - mixed Convection - Roughness=1.13mm; T=20.8+09.7°C; +0.00°  
1500±5r/min, V=4.783m/s, Re=94790, Ra\_V=26516303, h=41.4W/(K.m<sup>2</sup>), U=3.85W/K, Nu=485.5

Temperature, C



Velocity, m/s

