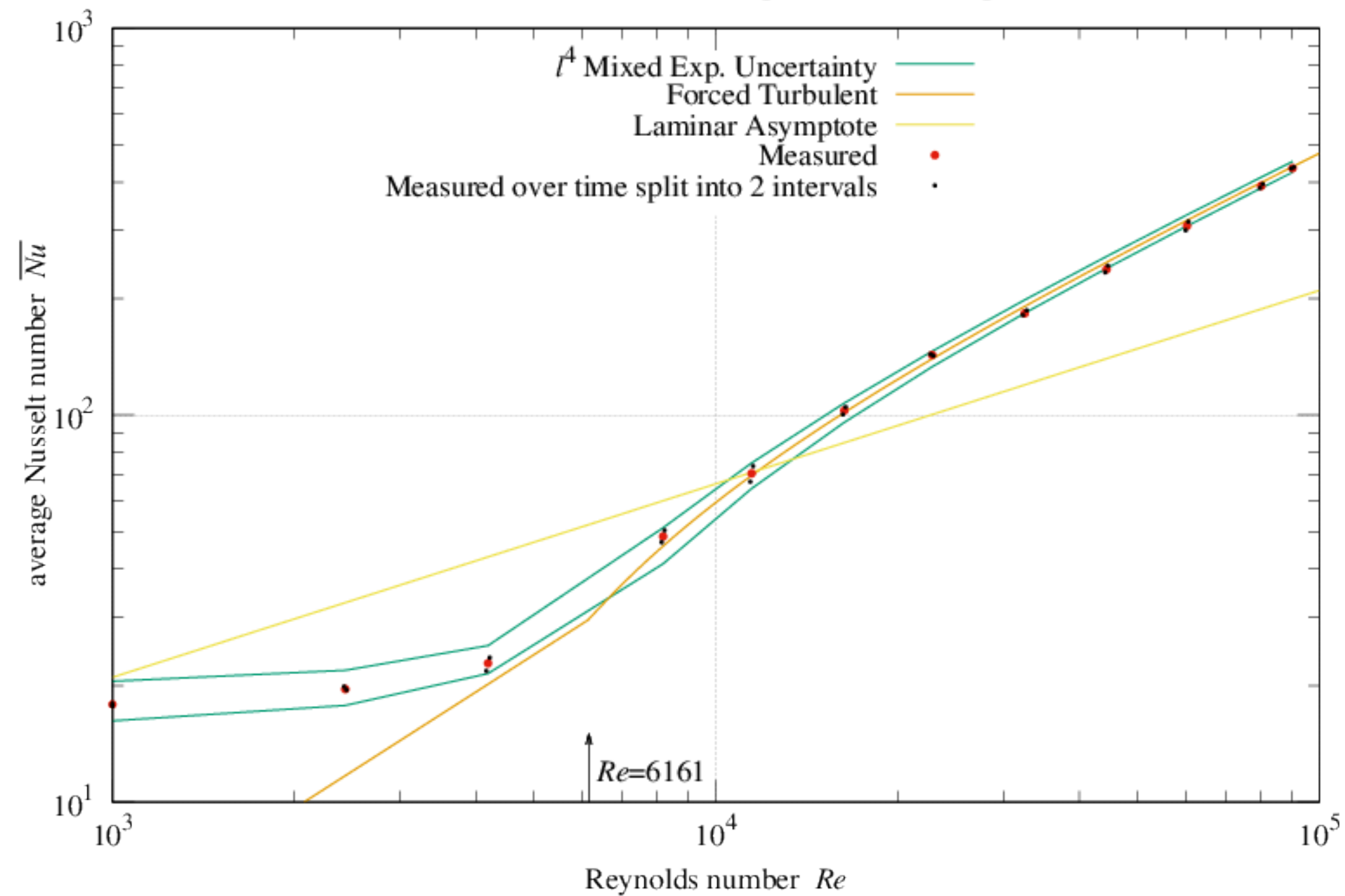
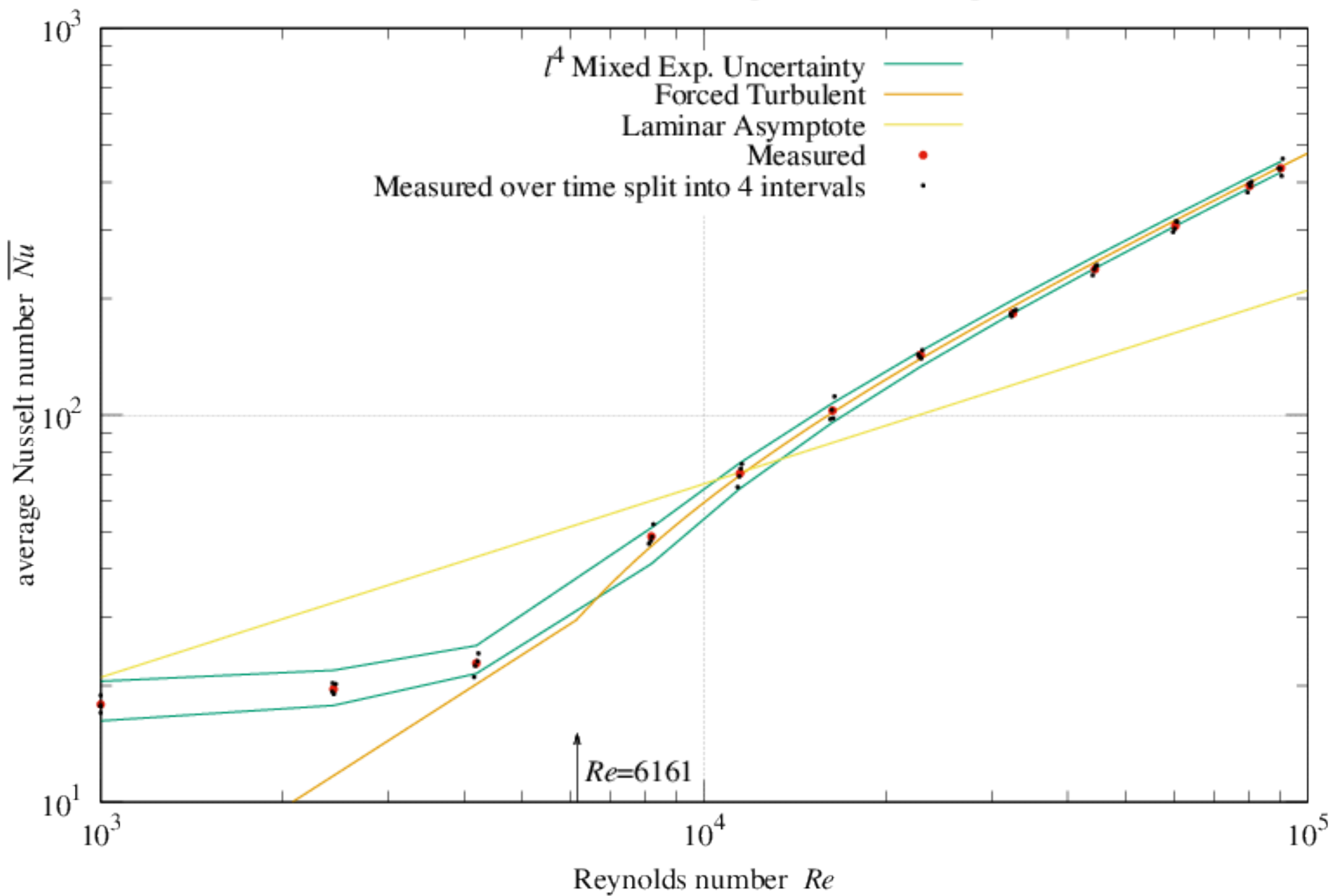


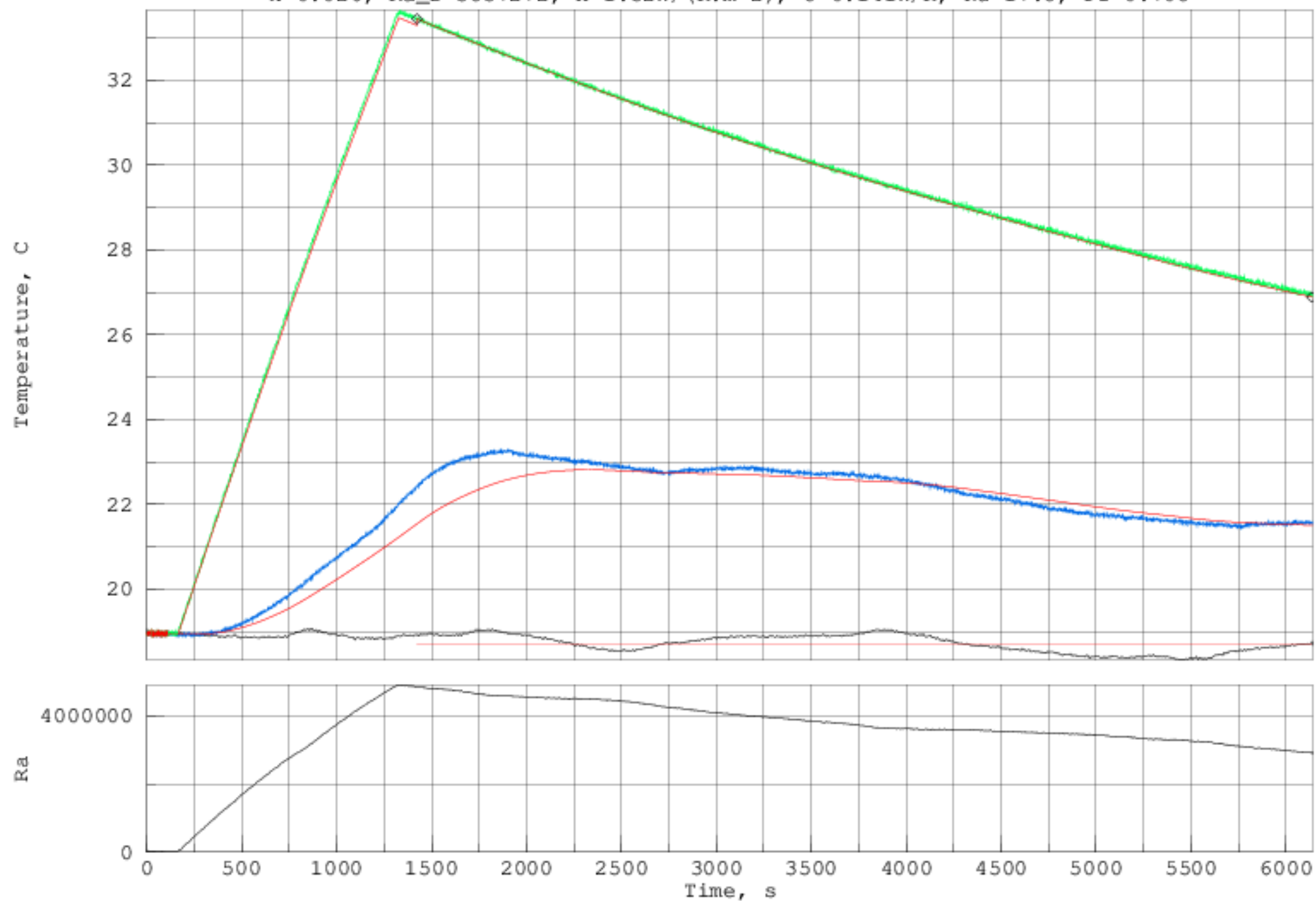
Mixed Convection from Downward Facing Plate, 1mm Roughness, $\Delta T=11\text{K}$



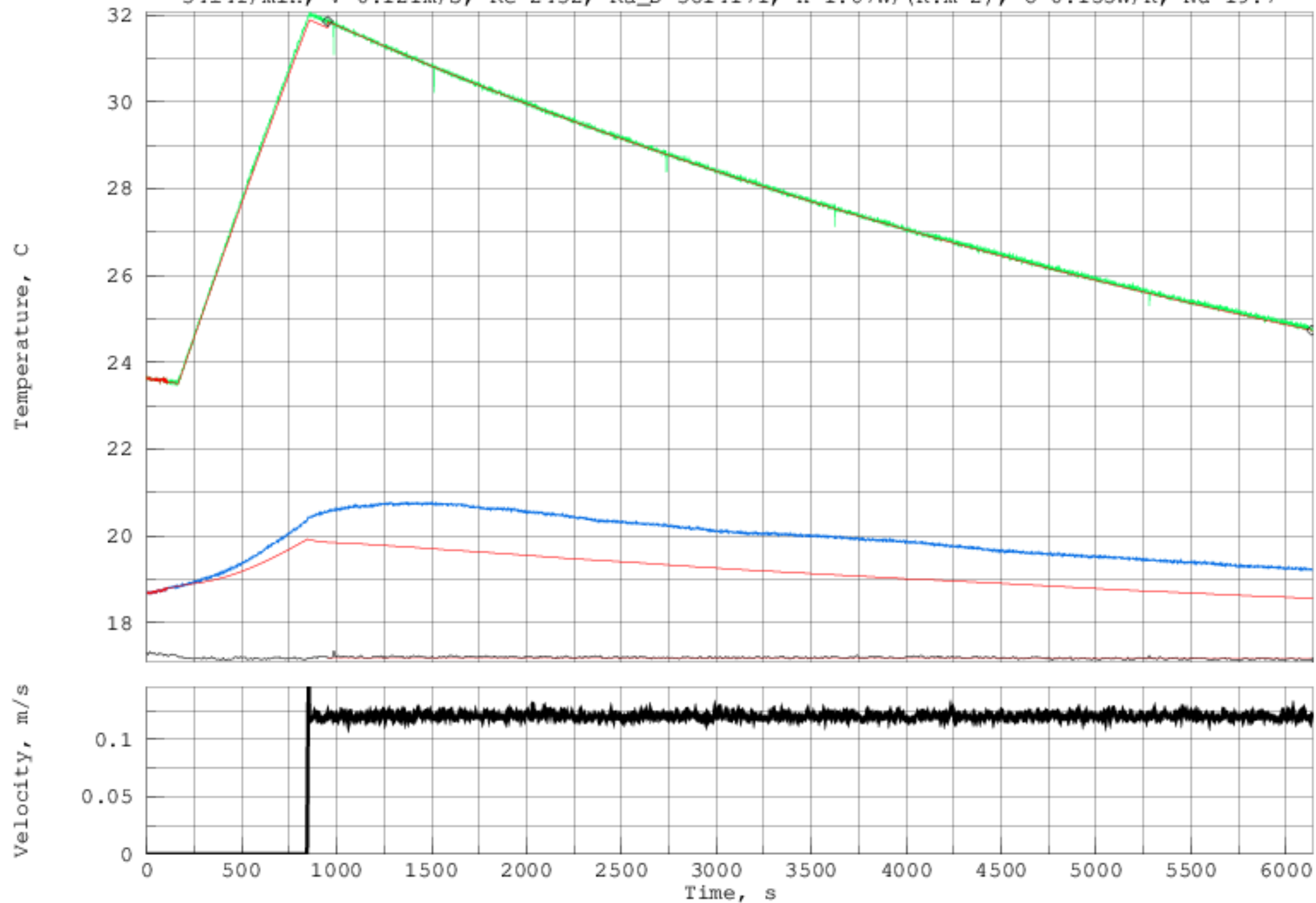
Mixed Convection from Downward Facing Plate, 1mm Roughness, $\Delta T=11\text{K}$



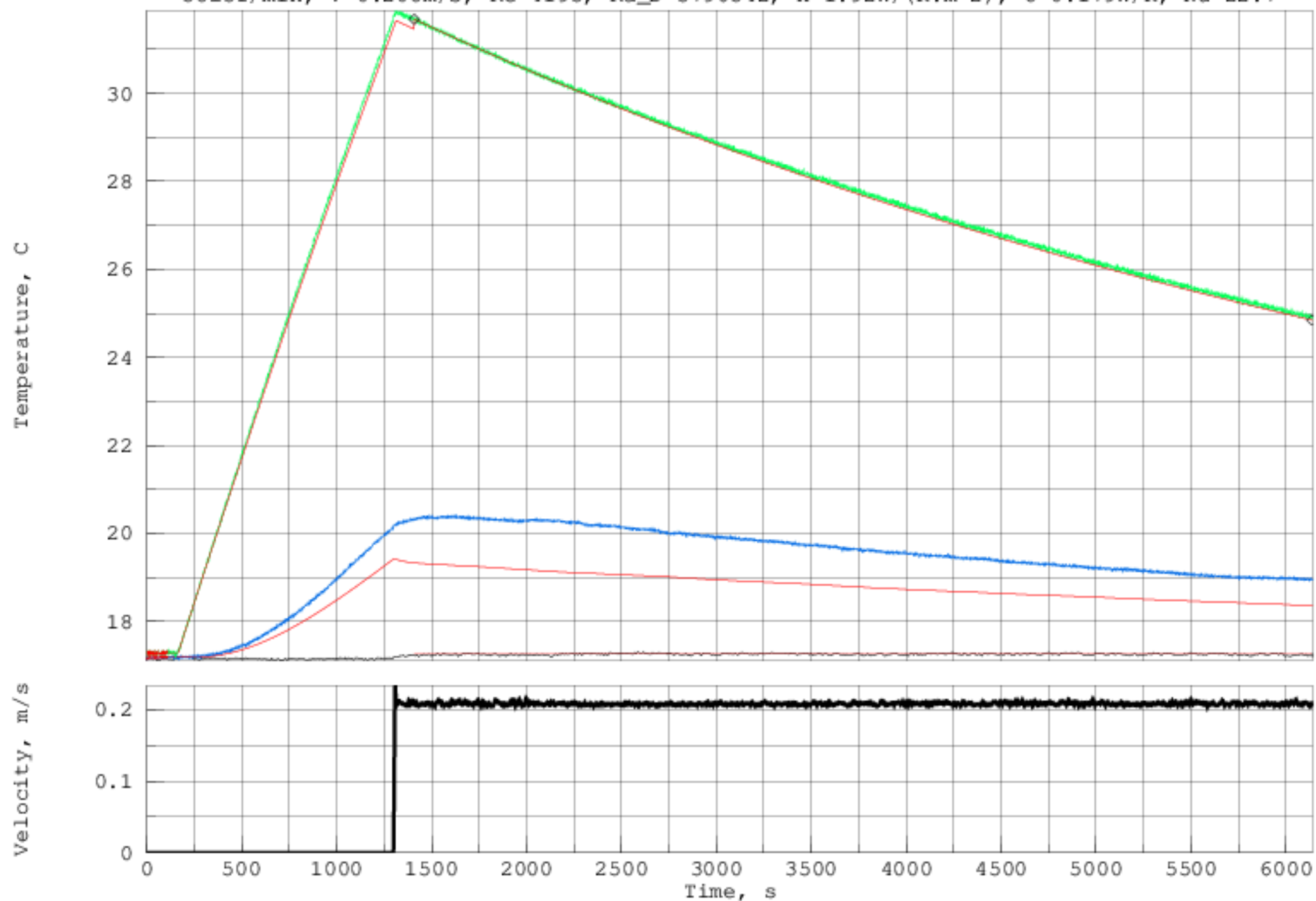
20220426T134025Z - mixed Convection - Roughness=1.13mm; T=18.7+11.1°C; +90.00°
k=0.026, Ra_D=3837272, h=1.52W/(K.m^2), U=0.141W/K, Nu=17.8, Pr=0.708



20180612T014148Z - mixed Convection - Roughness=1.13mm; T=17.2+10.7°C; +90.00°
34±4r/min, V=0.121m/s, Re=2432, Ra_D=3814171, h=1.67W/(K.m²), U=0.155W/K, Nu=19.7

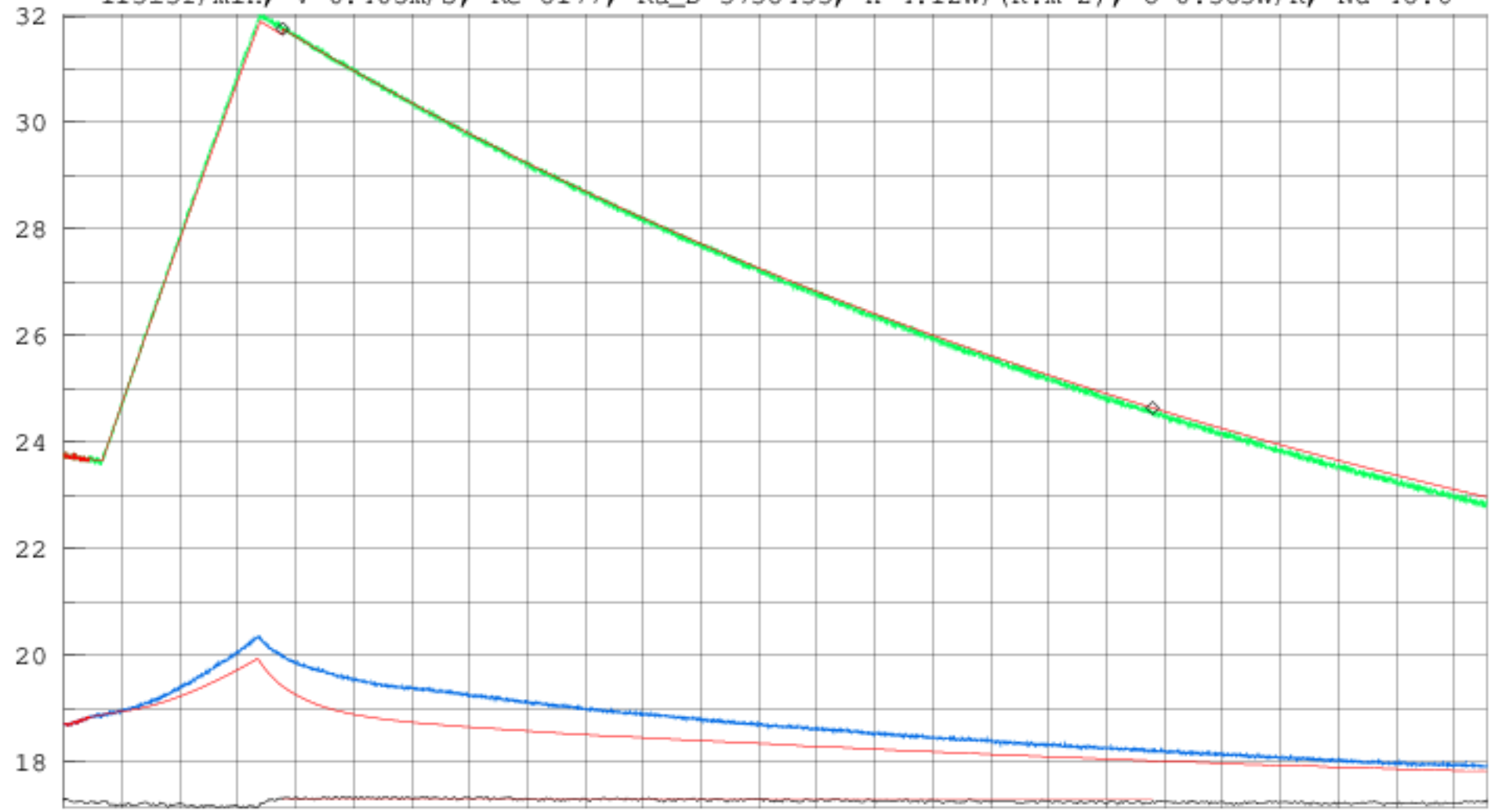


20180611T233708Z - mixed Convection - Roughness=1.13mm; T=17.3+10.7°C; +90.00°
58±3r/min, V=0.208m/s, Re=4193, Ra_D=3796542, h=1.92W/(K.m²), U=0.179W/K, Nu=22.7

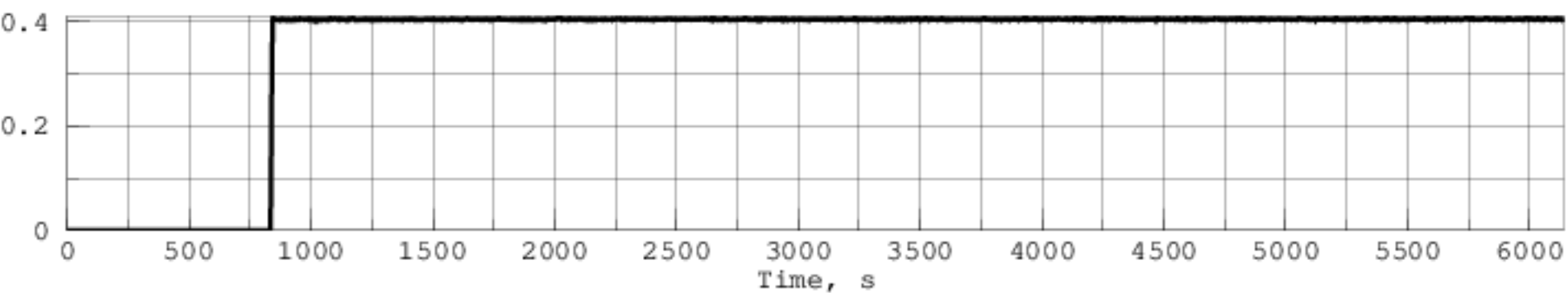


20180612T034323Z - mixed Convection - Roughness=1.13mm; T=17.3+10.5°C; +90.00°
113±3r/min, V=0.405m/s, Re=8177, Ra_D=3738433, h=4.12W/(K.m²), U=0.383W/K, Nu=48.6

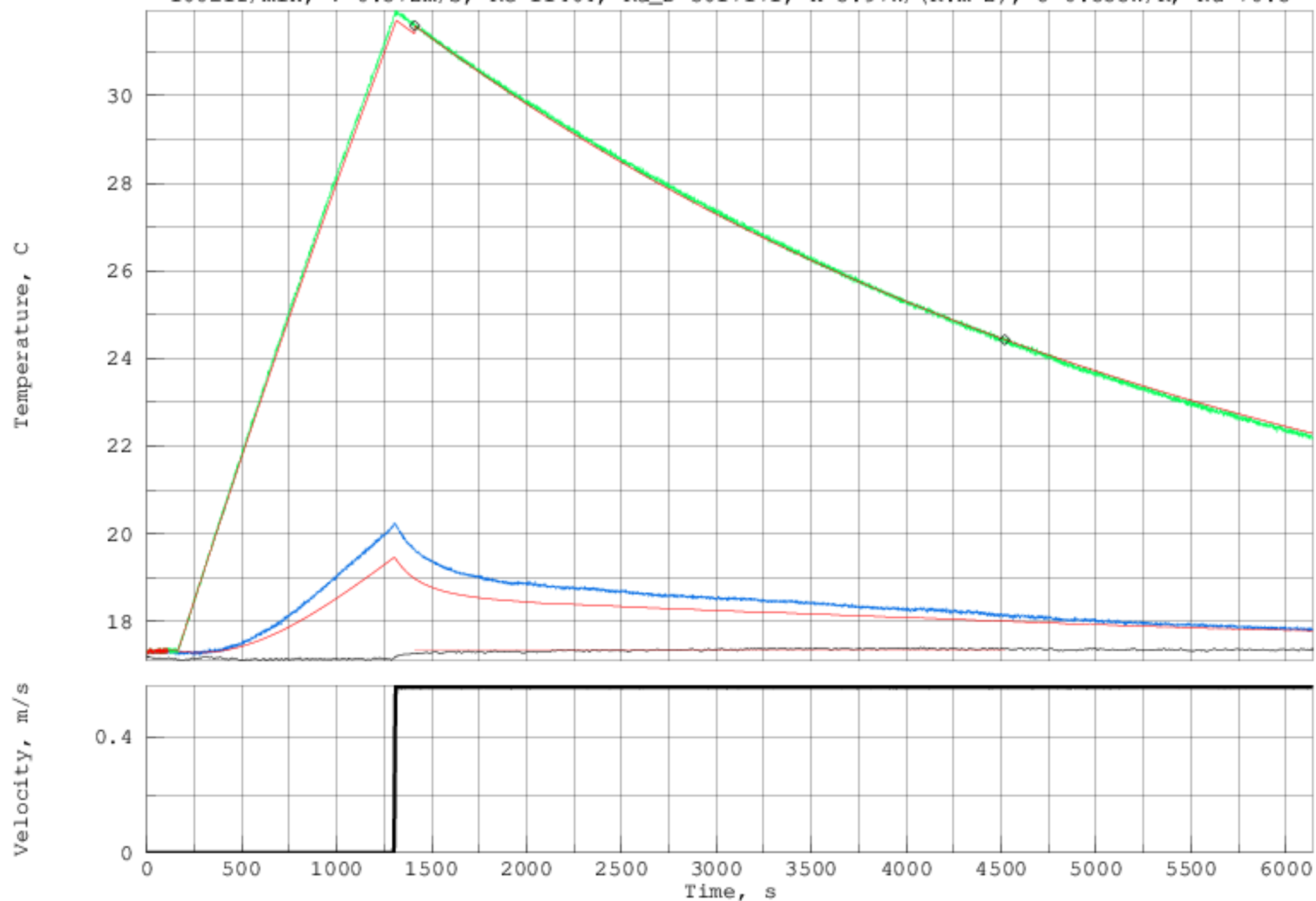
Temperature, C



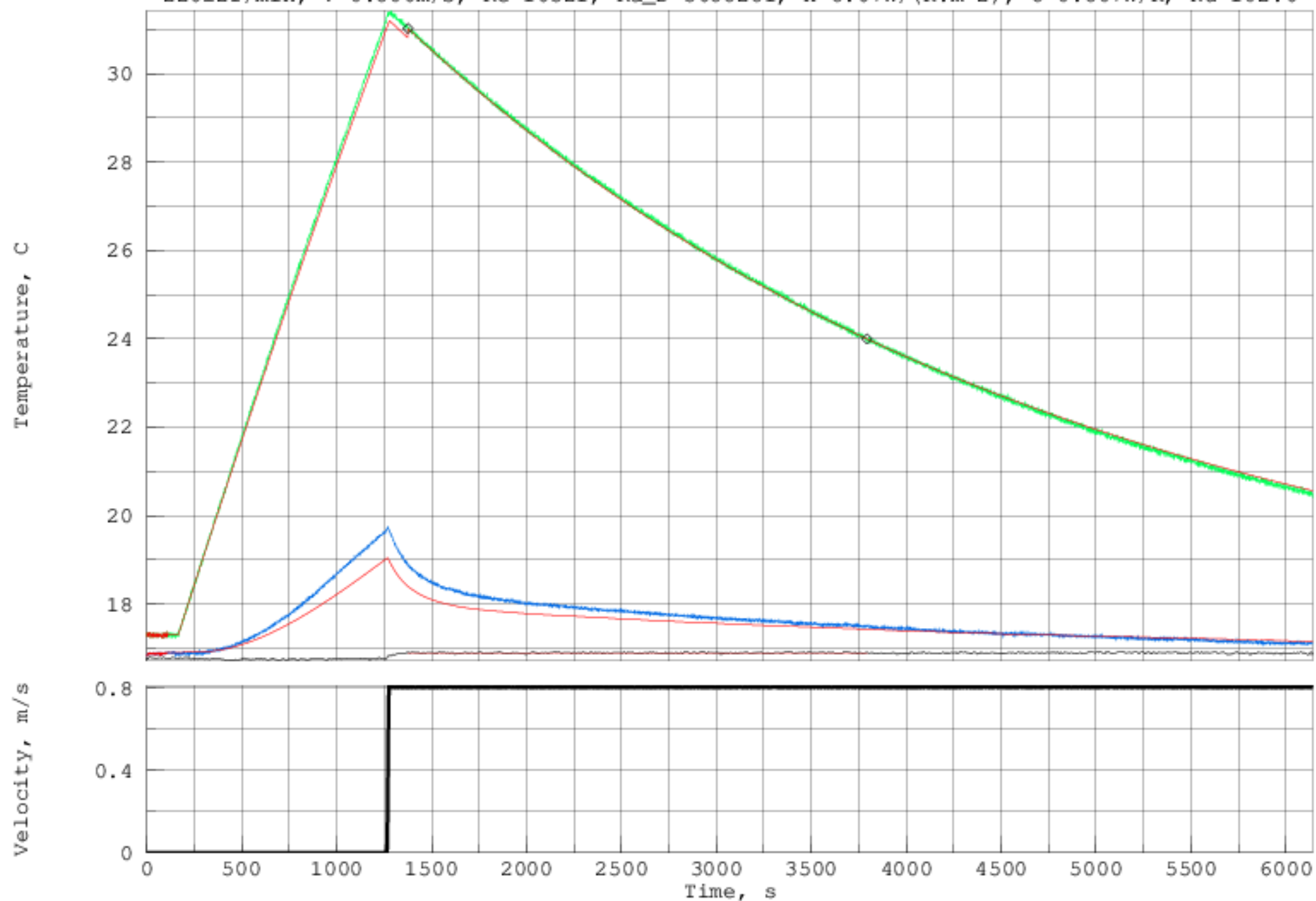
Velocity, m/s



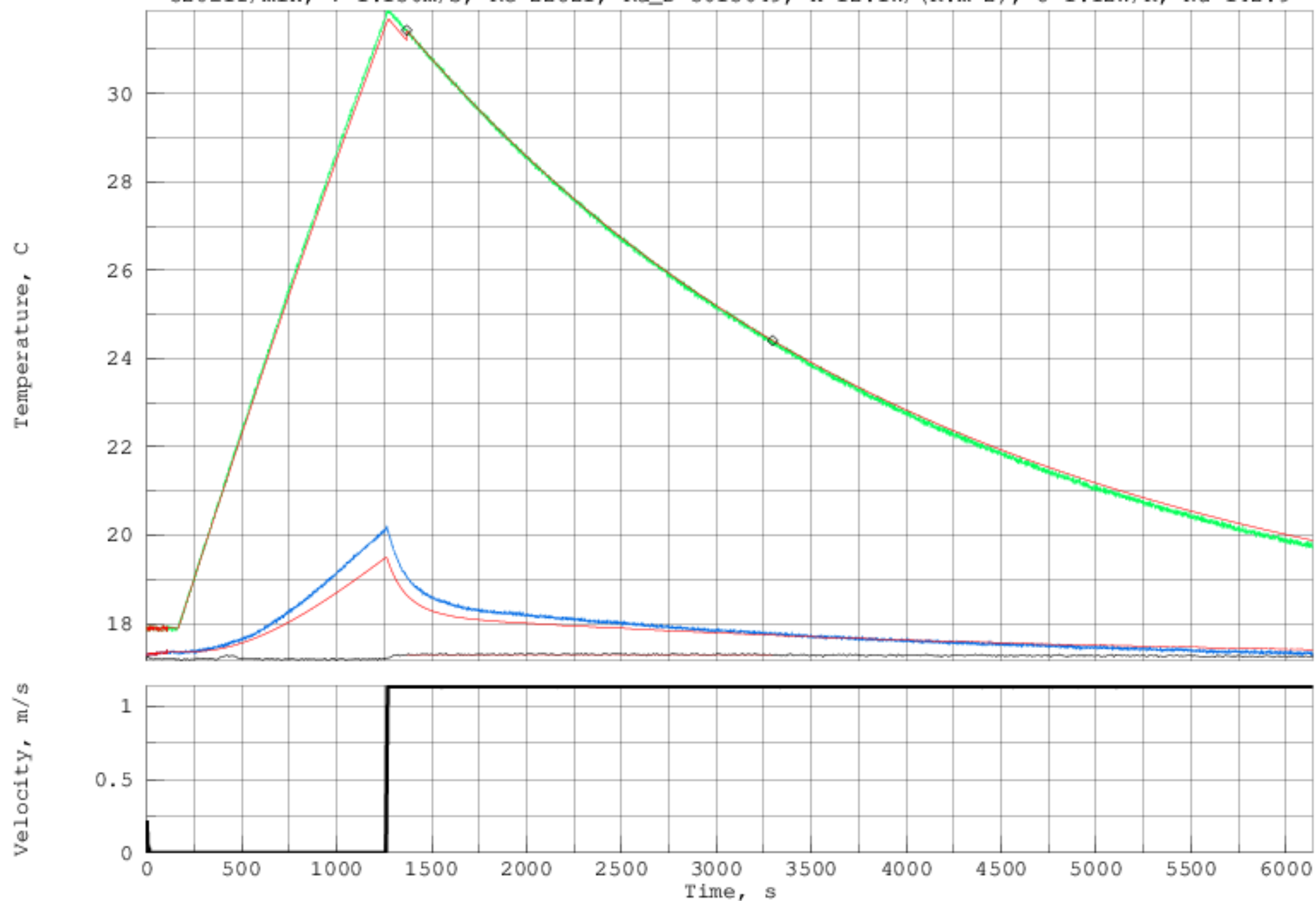
20180610T225158Z - mixed Convection - Roughness=1.13mm; $T=17.3+10.3^{\circ}\text{C}$; $+90.00^{\circ}$
 $160\pm 1\text{r/min}$, $V=0.572\text{m/s}$, $\text{Re}=11464$, $\text{Ra}_D=3617171$, $h=5.97\text{W}/(\text{K}\cdot\text{m}^2)$, $U=0.555\text{W}/\text{K}$, $\text{Nu}=70.5$



20180612T121303Z - mixed Convection - Roughness=1.13mm; $T=16.9+10.2^{\circ}\text{C}$; $+90.00^{\circ}$
 $226\pm 2\text{r/min}$, $V=0.806\text{m/s}$, $\text{Re}=16321$, $\text{Ra}_D=3688281$, $h=8.67\text{W}/(\text{K}\cdot\text{m}^2)$, $U=0.807\text{W}/\text{K}$, $\text{Nu}=102.6$



20180610T135844Z - mixed Convection - Roughness=1.13mm; $T=17.3+10.2^{\circ}\text{C}$; $+90.00^{\circ}$
 $320\pm 1\text{r/min}$, $V=1.136\text{m/s}$, $\text{Re}=22821$, $\text{Ra}_D=3613649$, $h=12.1\text{W}/(\text{K}\cdot\text{m}^2)$, $U=1.12\text{W}/\text{K}$, $\text{Nu}=142.9$

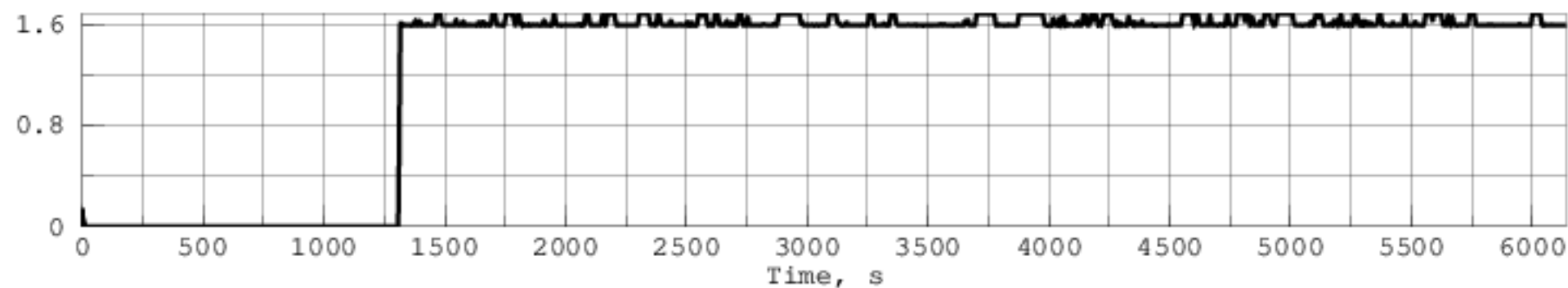


20180612T215756Z - mixed Convection - Roughness=1.13mm; T=17.3+09.9°C; +90.00°
460±13r/min, V=1.616m/s, Re=32491, Ra_D=3528782, h=15.6W/(K.m²), U=1.45W/K, Nu=183.9

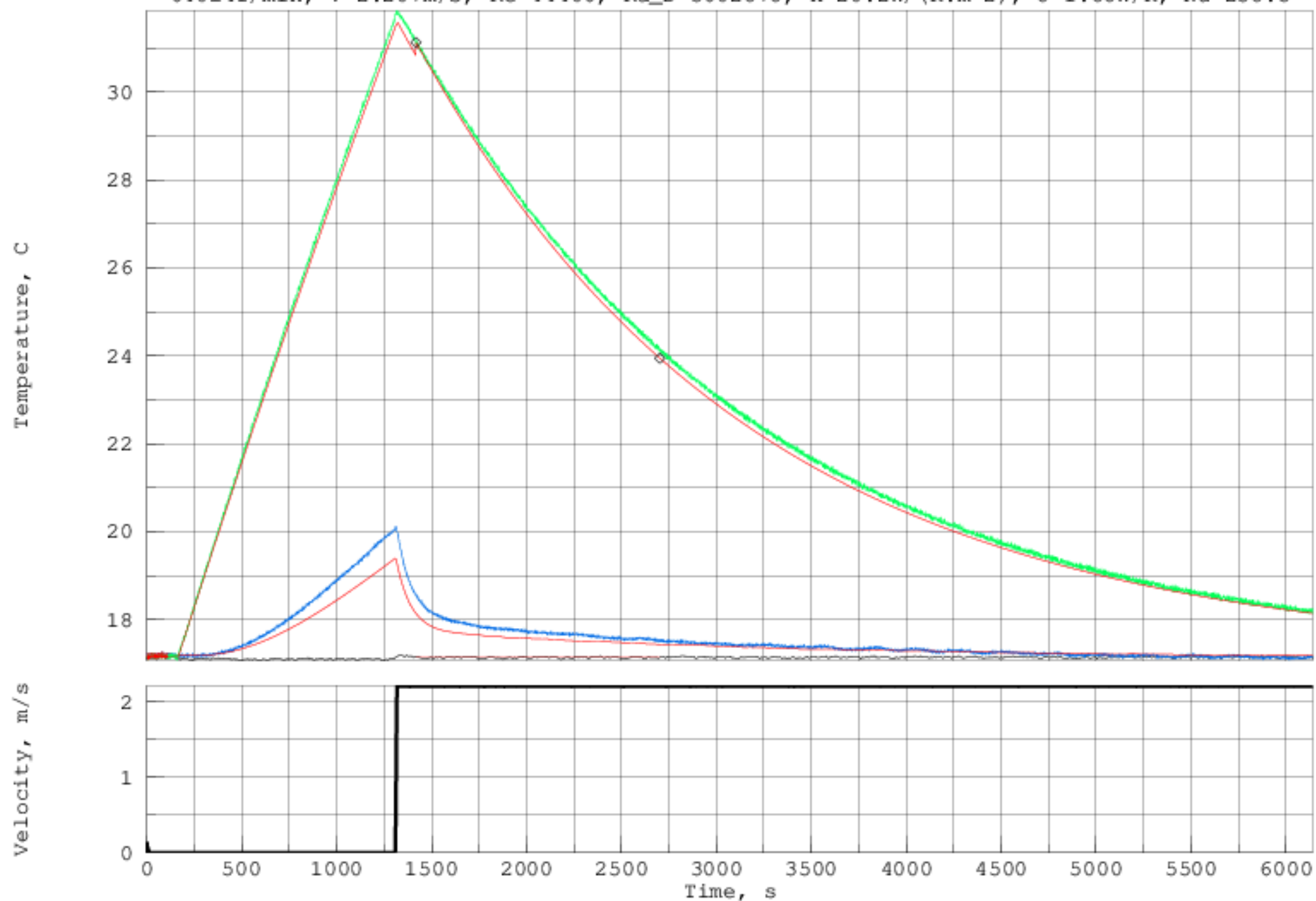
Temperature, C



Velocity, m/s

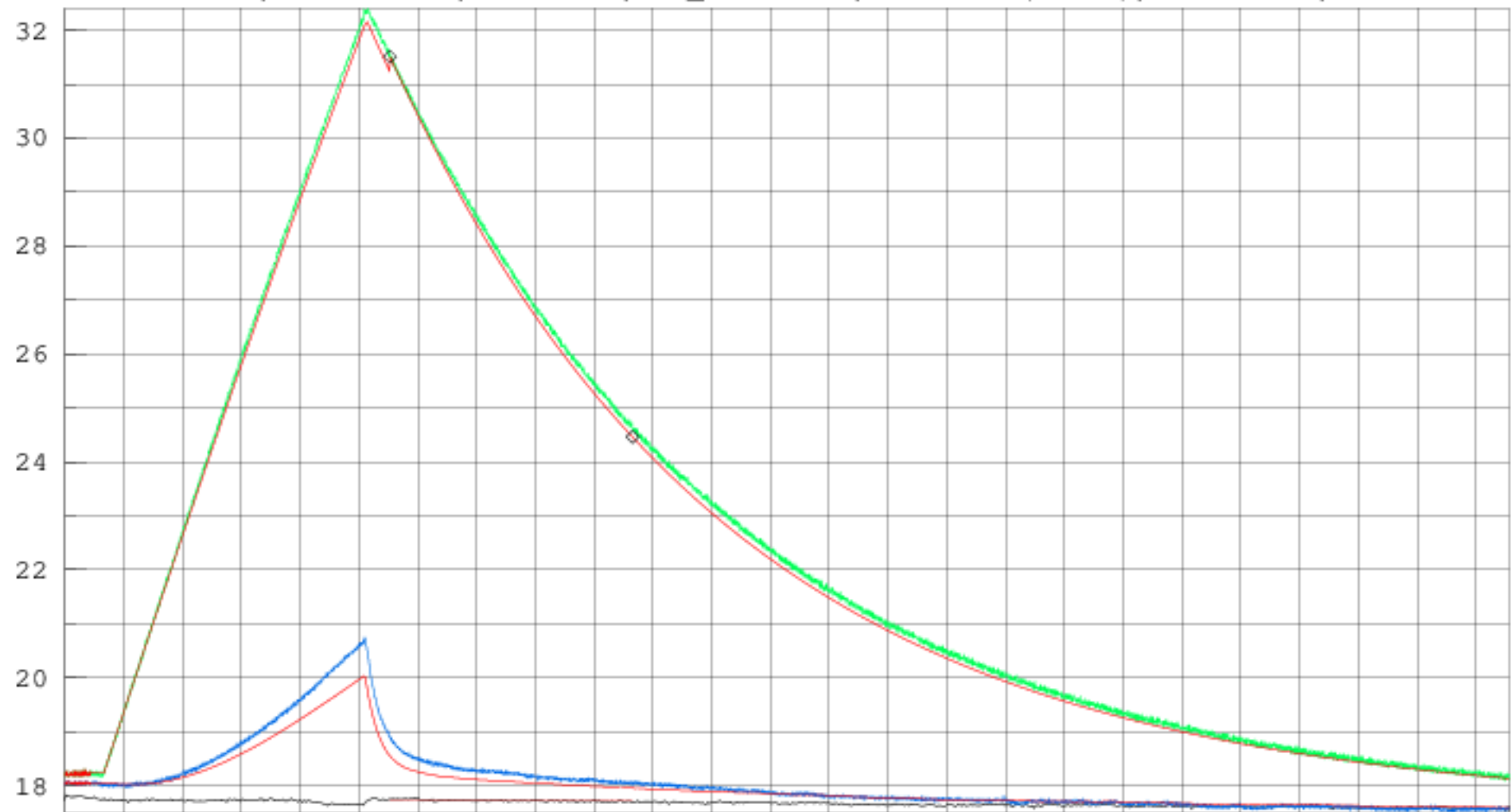


20180610T120510Z - mixed Convection - Roughness=1.13mm; T=17.1+10.1°C; +90.00°
640±4r/min, V=2.207m/s, Re=44406, Ra_D=3602878, h=20.2W/(K.m²), U=1.88W/K, Nu=238.5

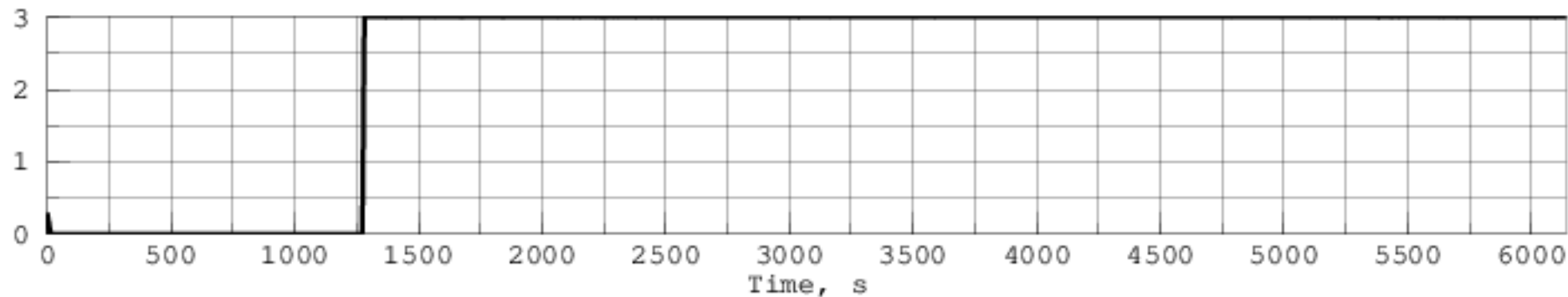


20180613T013647Z - mixed Convection - Roughness=1.13mm; T=17.7+10.0°C; +90.00°
905±9r/min, V=3.009m/s, Re=60354, Ra_D=3528343, h=26.1W/(K.m²), U=2.43W/K, Nu=308.4

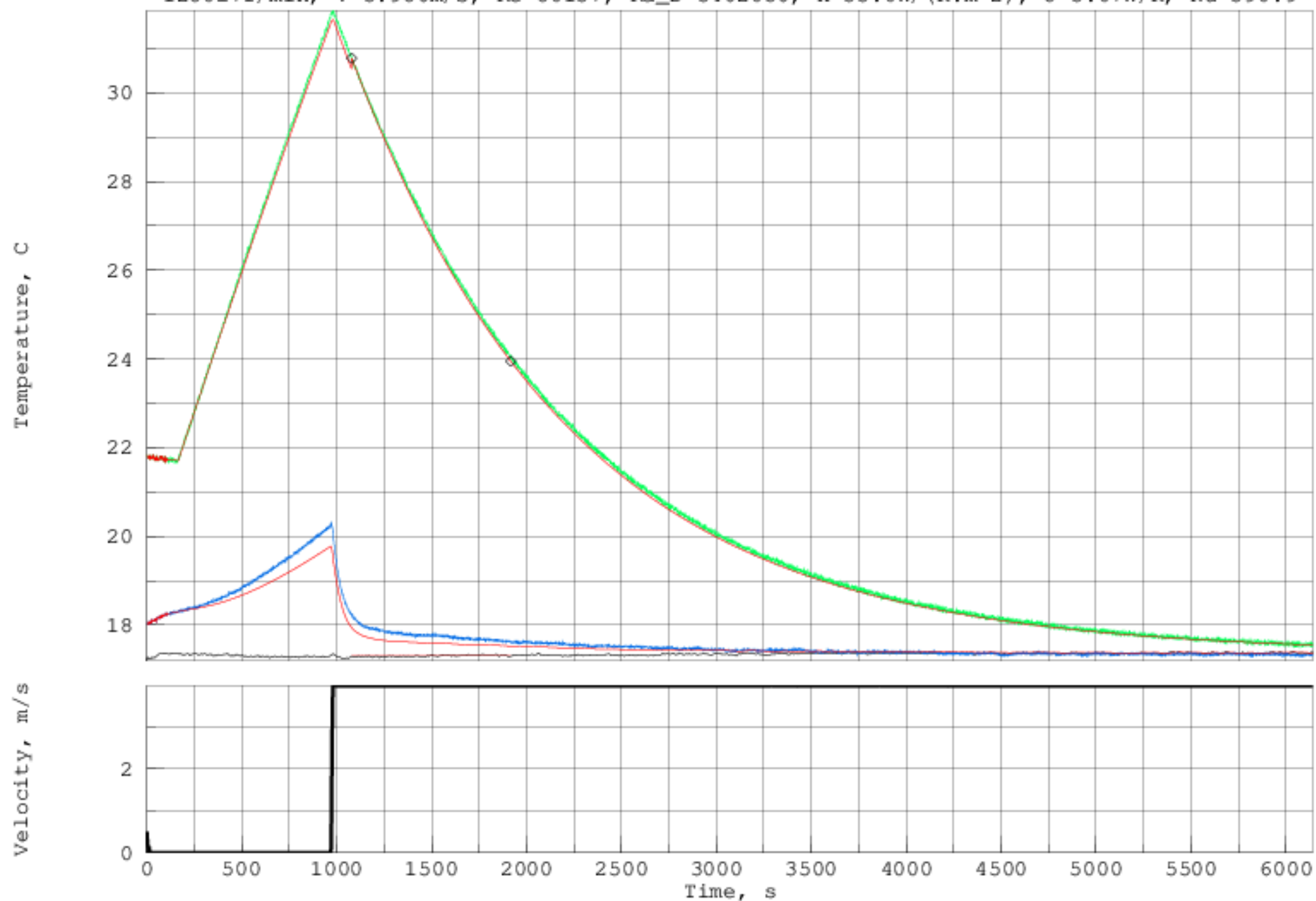
Temperature, C



Velocity, m/s

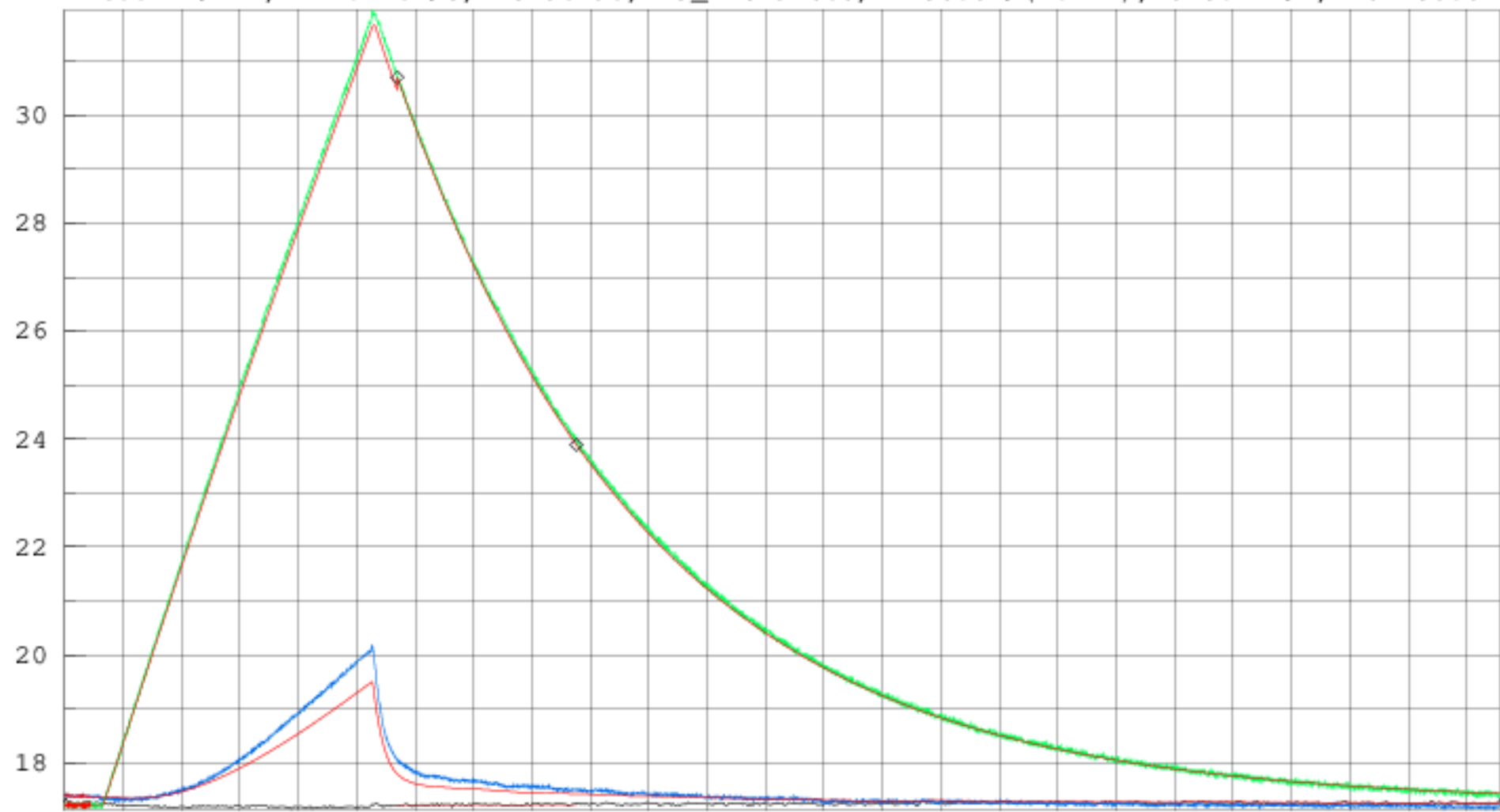


20180610T040507Z - mixed Convection - Roughness=1.13mm; $T=17.3+09.7^{\circ}\text{C}$; $+90.00^{\circ}$
1280 \pm 7r/min, $V=3.986\text{m/s}$, $Re=80137$, $Ra_D=3462056$, $h=33.0\text{W}/(\text{K}\cdot\text{m}^2)$, $U=3.07\text{W}/\text{K}$, $Nu=390.9$



20180611T185218Z - mixed Convection - Roughness=1.13mm; T=17.2+09.7°C; +90.00°
1500±4r/min, V=4.470m/s, Re=90290, Ra_D=3497606, h=36.8W/(K.m²), U=3.42W/K, Nu=435.5

Temperature, C



Velocity, m/s

