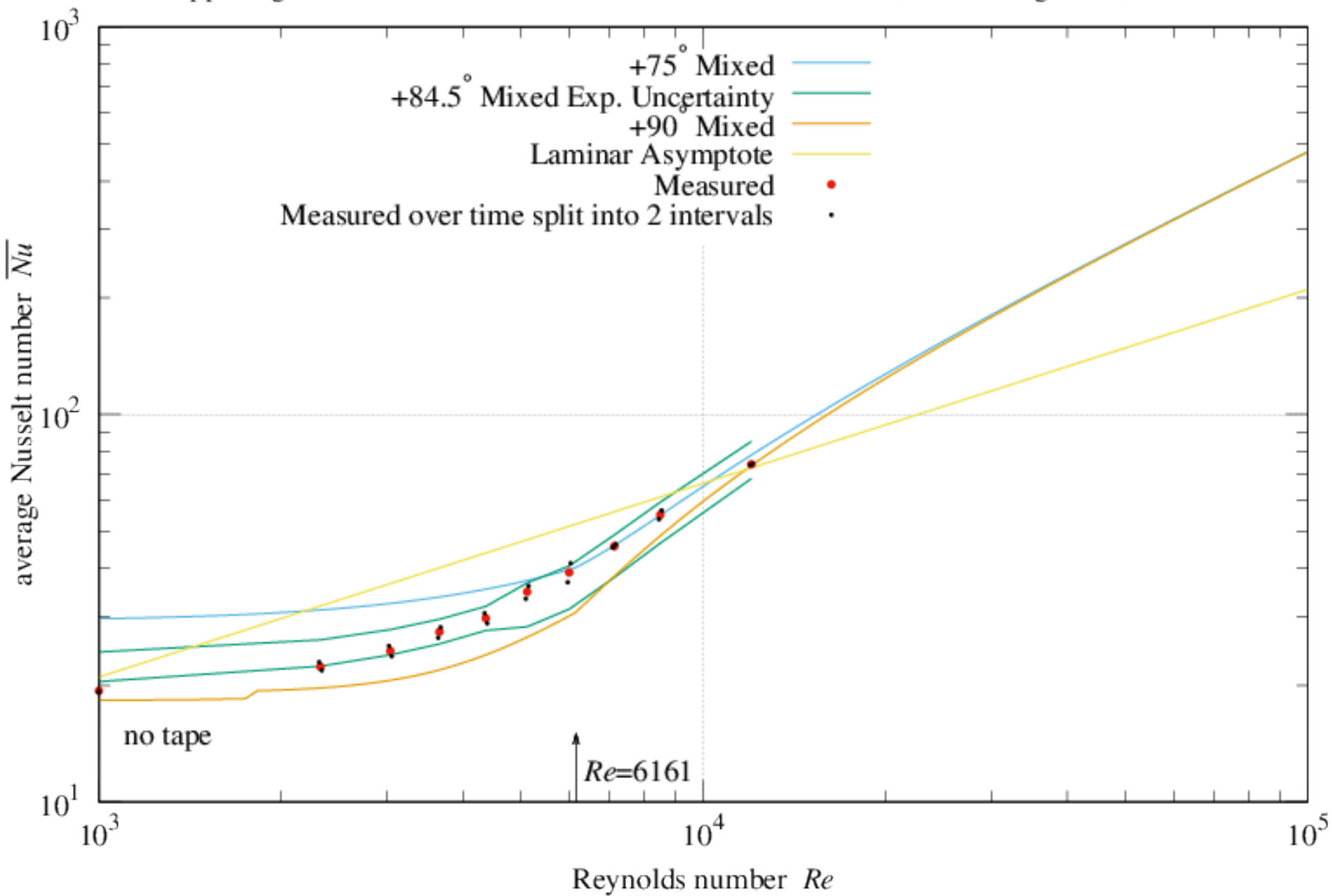
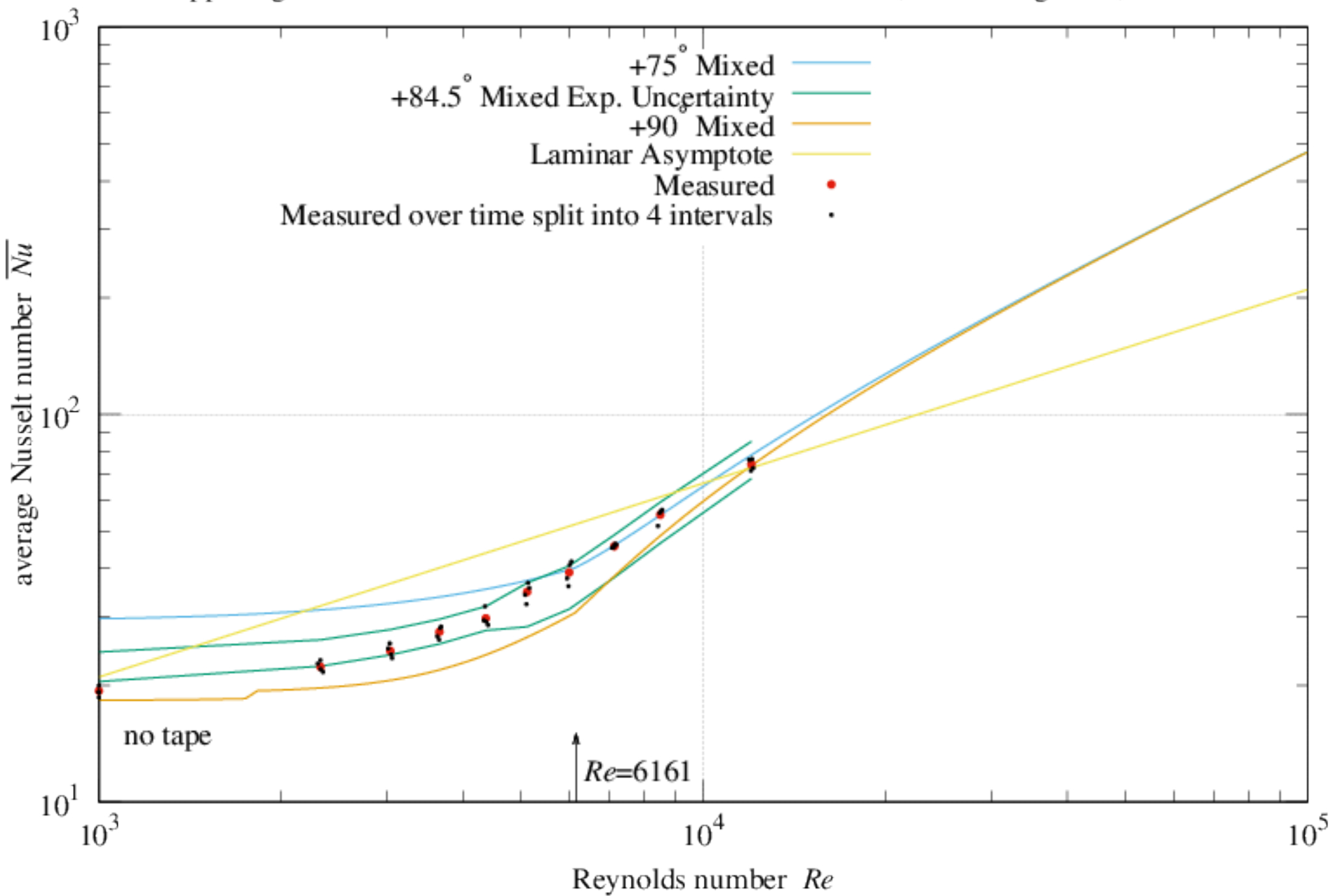


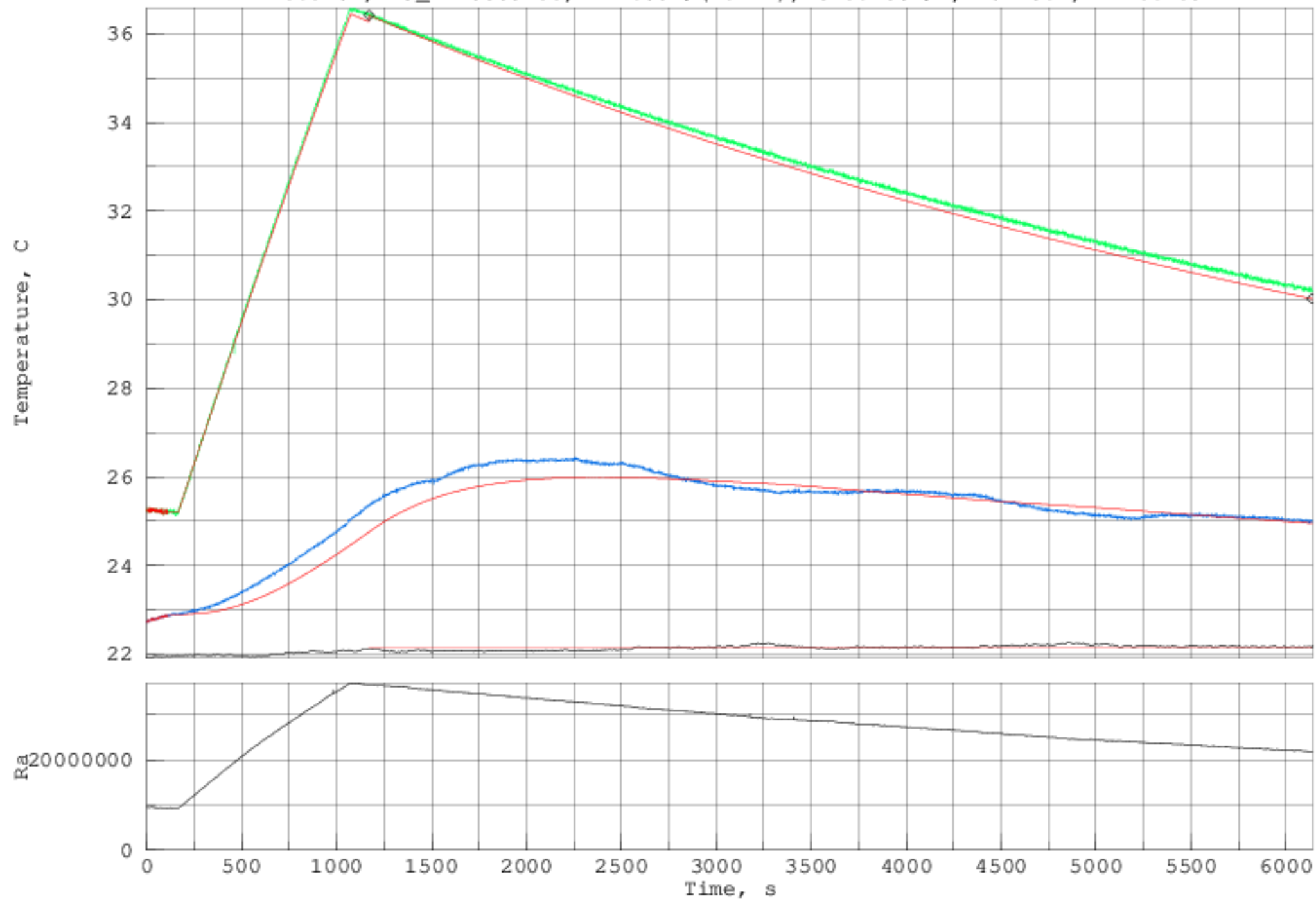
Opposing Mixed Convection From Inclined Plate  $\theta = +84.5^\circ$ , 1mm Roughness,  $\Delta T = 10\text{K}$



Opposing Mixed Convection From Inclined Plate  $\theta = +84.5^\circ$ , 1mm Roughness,  $\Delta T = 10\text{K}$

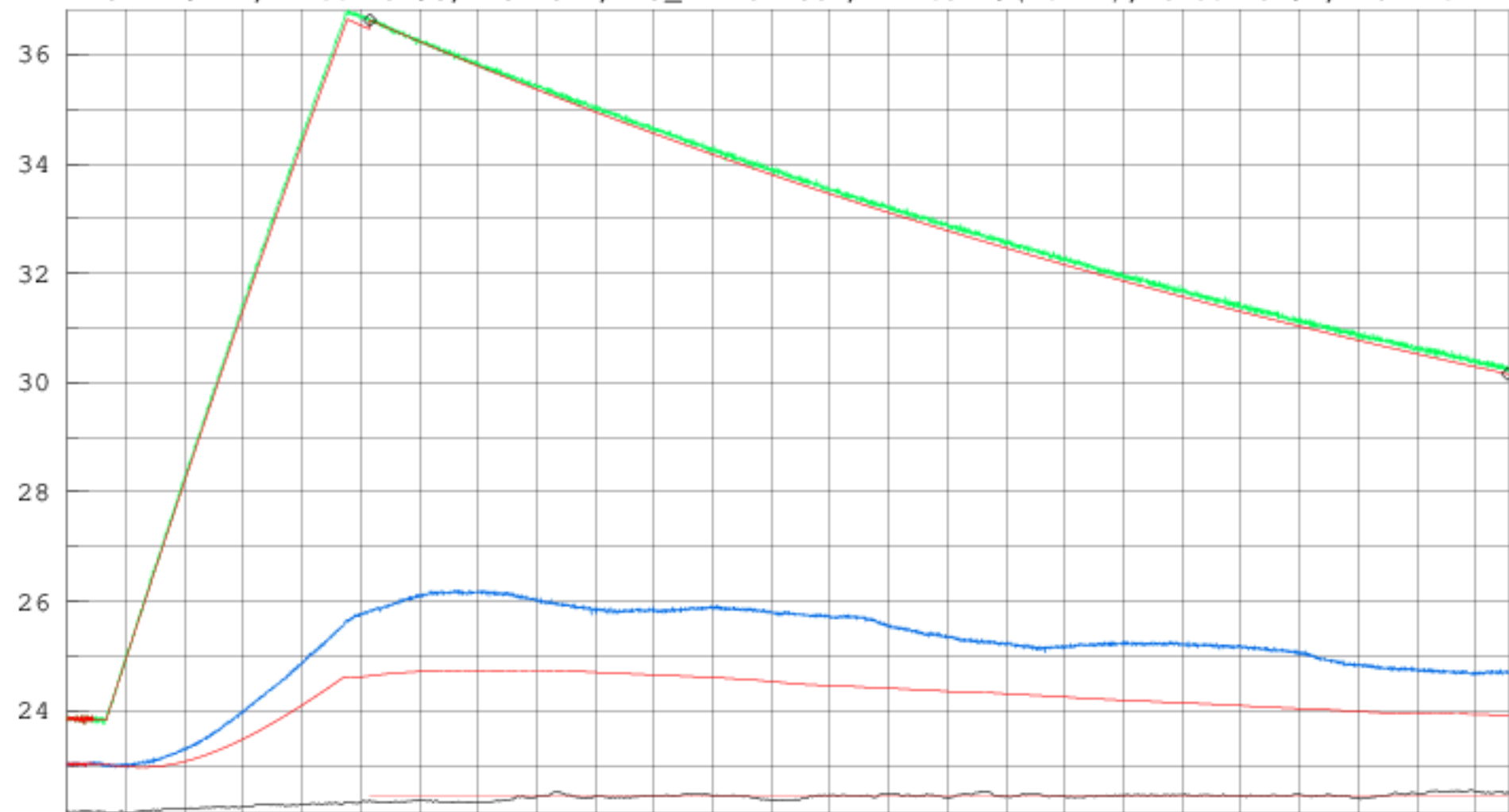


20170718T002450Z - mixed Convection - Roughness=1.13mm; T=22.2+10.8°C; +84.50°  
k=0.0262, Ra\_V=28585200, h=1.65W/(K.m^2), U=0.153W/K, Nu=19.2, Pr=0.709

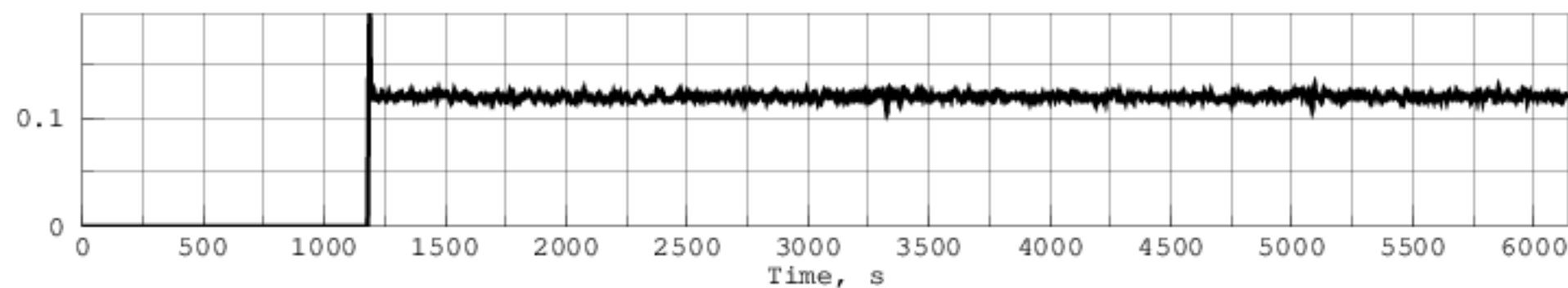


20170718T205353Z - mixed Convection - Roughness=1.13mm; T=22.4+10.7°C; +84.50°  
31±4r/min, V=0.119m/s, Re=2327, Ra\_V=27944384, h=1.92W/(K.m<sup>2</sup>), U=0.179W/K, Nu=22.4

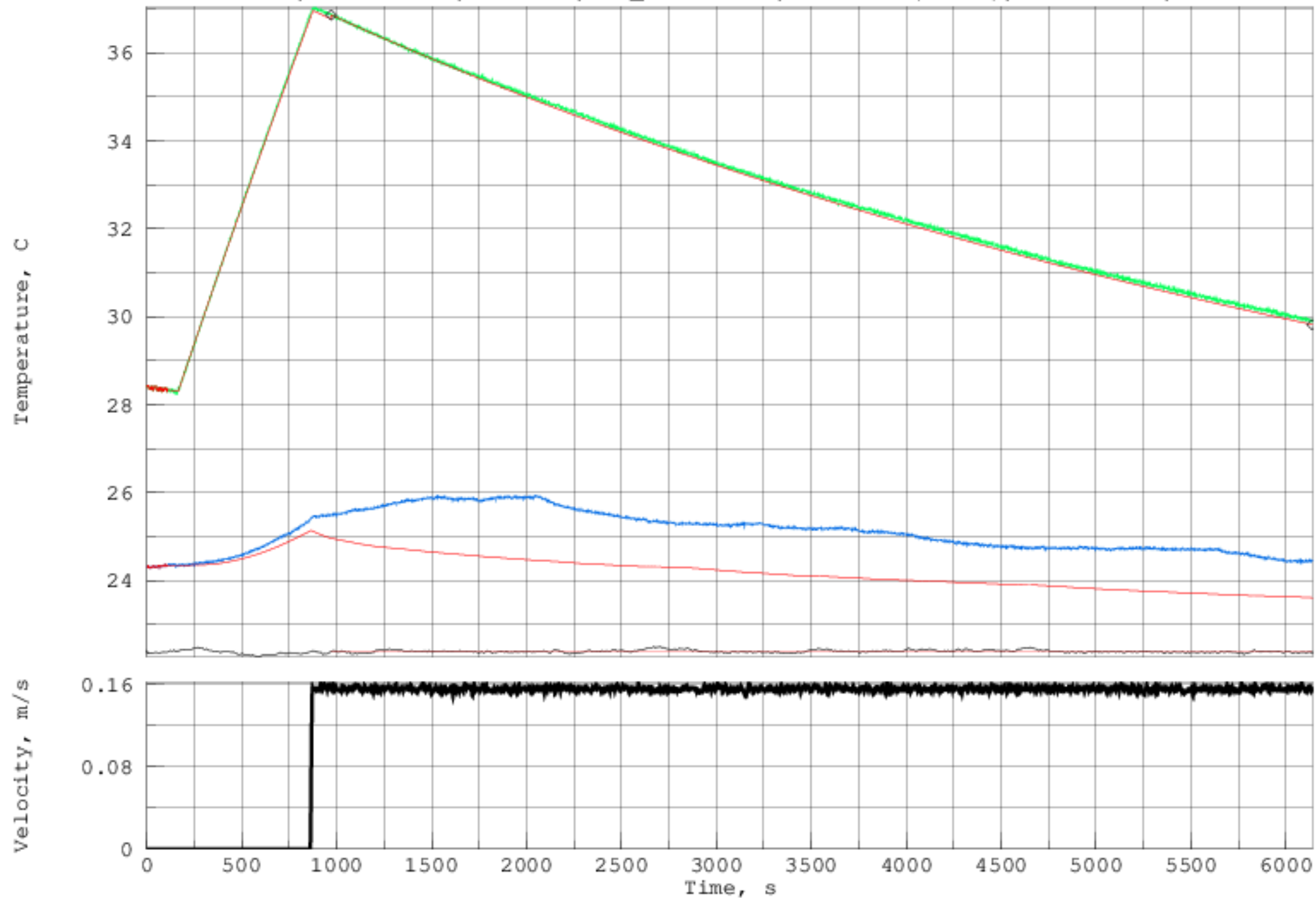
Temperature, C



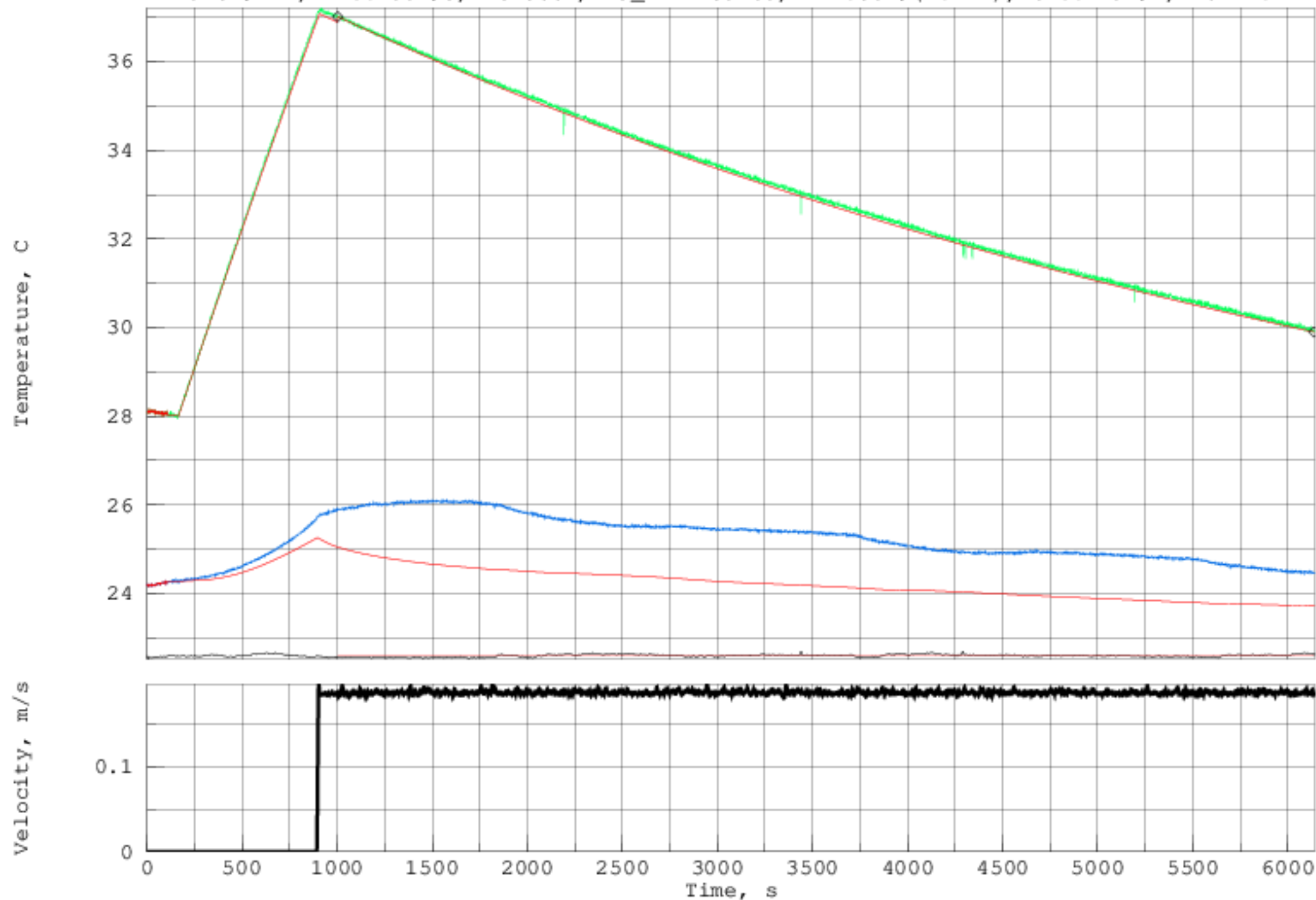
Velocity, m/s



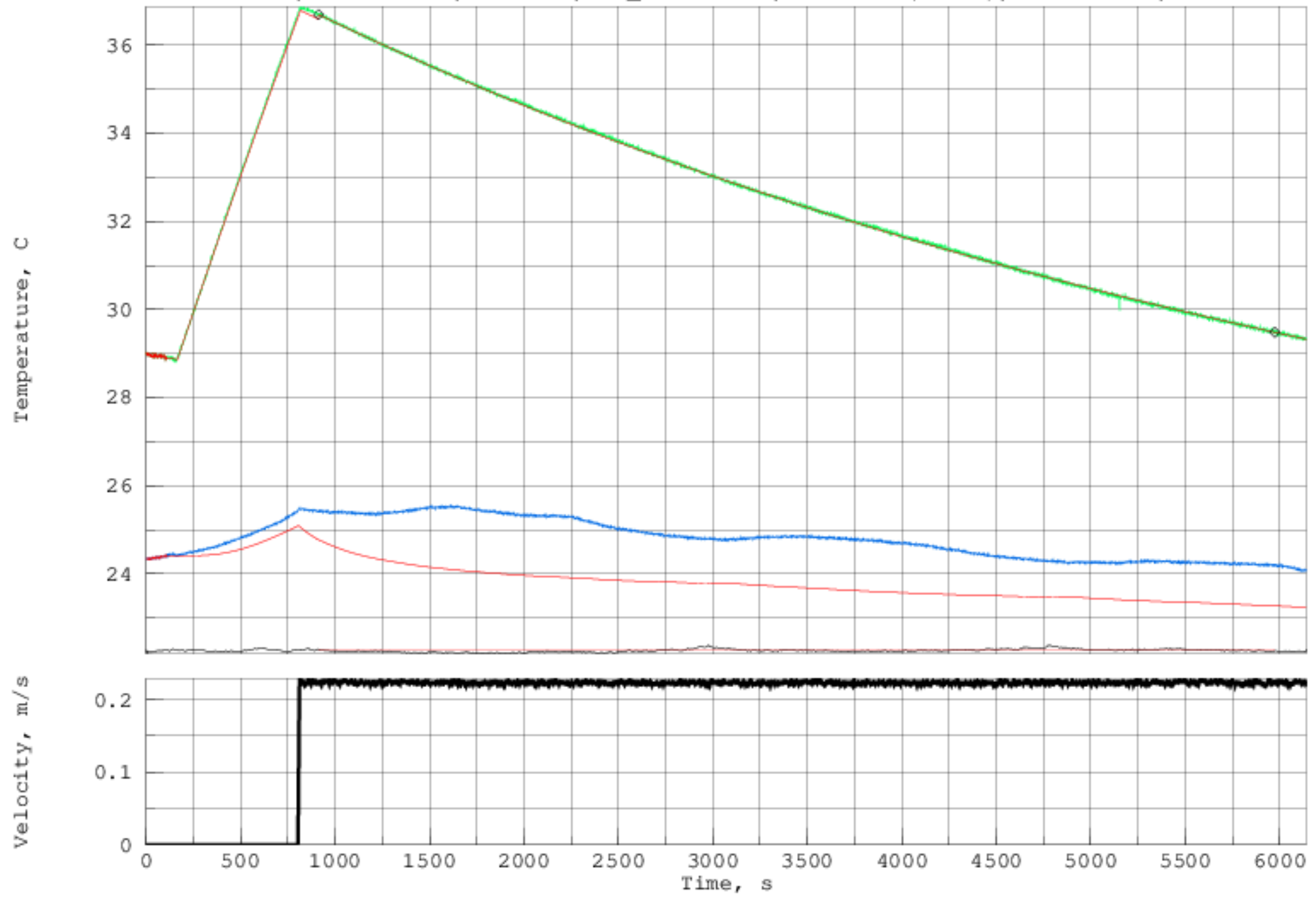
20170717T004600Z - mixed Convection - Roughness=1.13mm; T=22.4+10.6°C; +84.50°  
41±3r/min, V=0.156m/s, Re=3036, Ra\_V=27658821, h=2.10W/(K.m<sup>2</sup>), U=0.196W/K, Nu=24.5



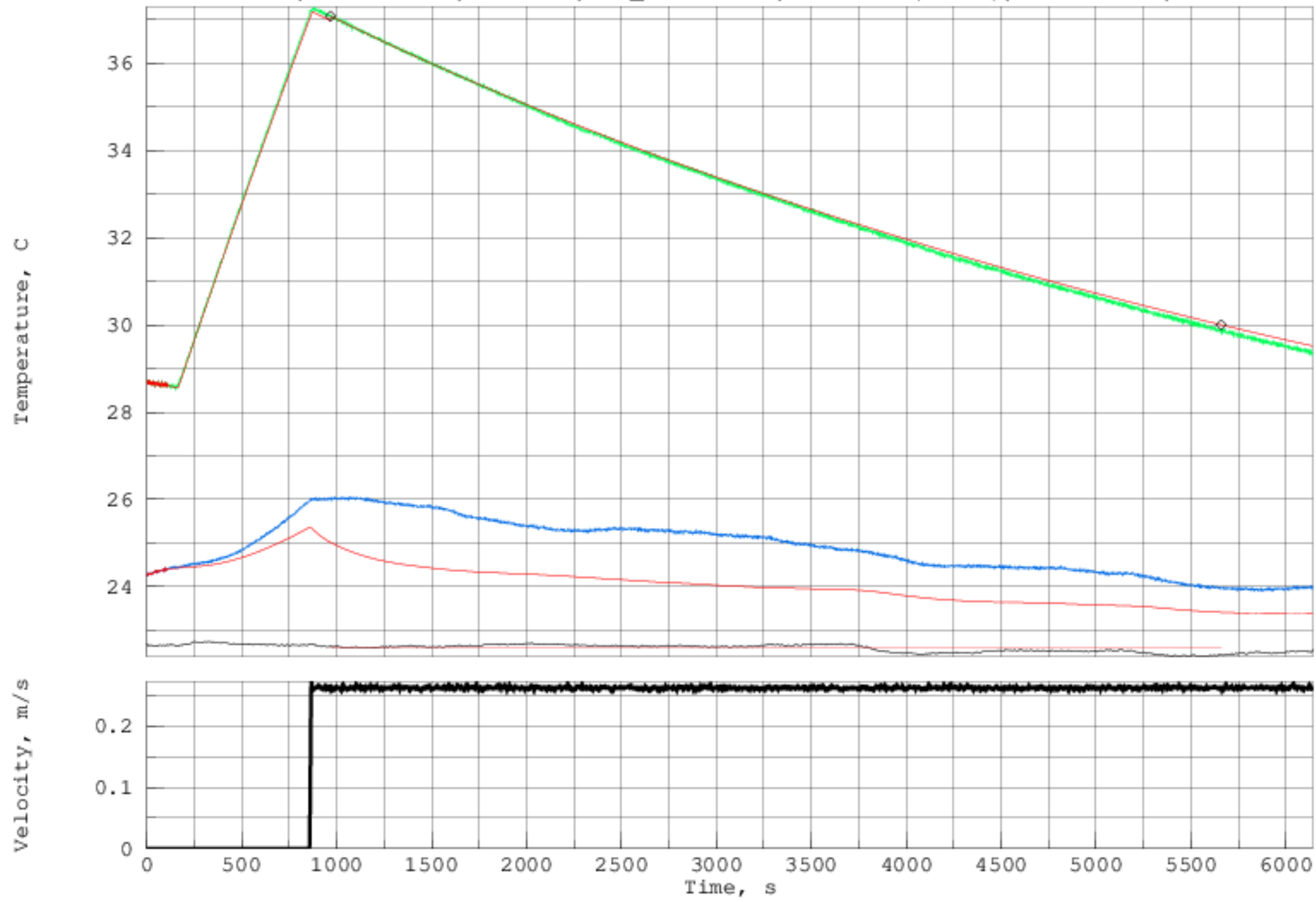
20170718T232213Z - mixed Convection - Roughness=1.13mm; T=22.6+10.5°C; +84.50°  
49±3r/min, V=0.188m/s, Re=3661, Ra\_V=27439189, h=2.35W/(K.m<sup>2</sup>), U=0.219W/K, Nu=27.4



20170718T023040Z - mixed Convection - Roughness=1.13mm; T=22.3+10.4°C; +84.50°  
58±3r/min, V=0.223m/s, Re=4369, Ra\_V=27453754, h=2.55W/(K.m<sup>2</sup>), U=0.238W/K, Nu=29.8

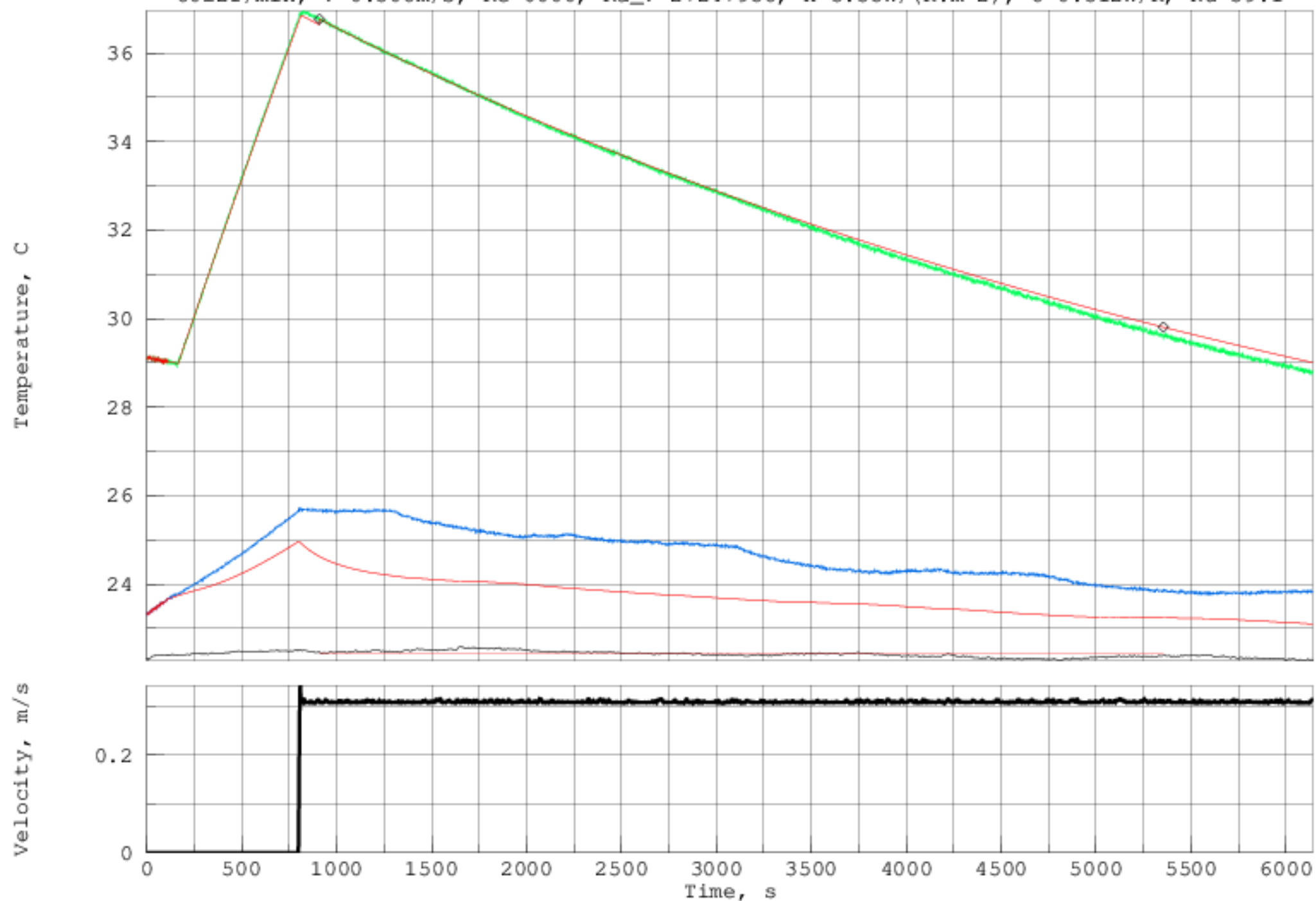


20170719T012932Z - mixed Convection - Roughness=1.13mm; T=22.6+10.5°C; +84.50°  
68±4r/min, V=0.262m/s, Re=5114, Ra\_V=27499526, h=2.98W/(K.m^2), U=0.278W/K, Nu=34.7



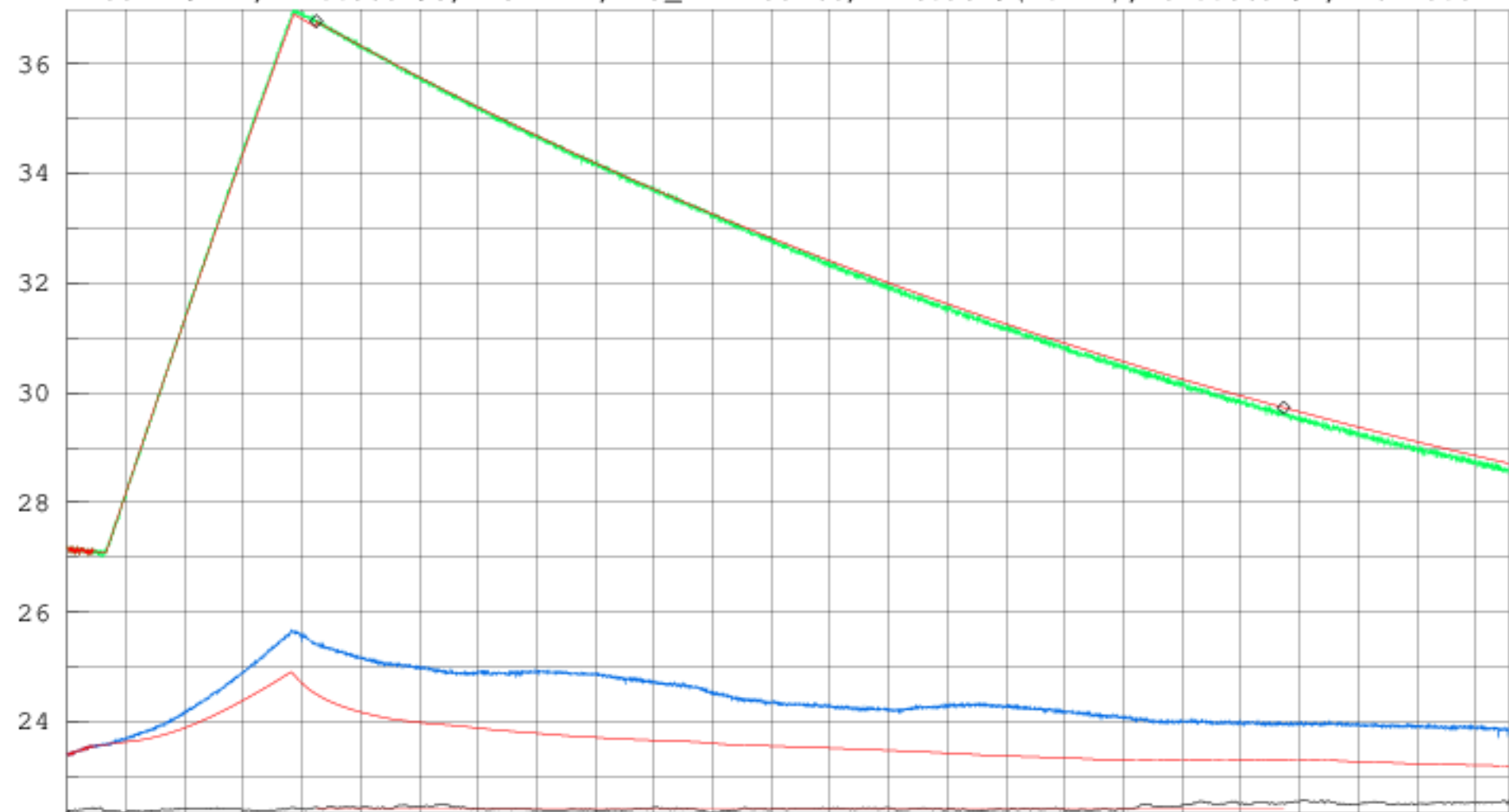


20170717T023231Z - mixed Convection - Roughness=1.13mm; T=22.4+10.4°C; +84.50°  
80±2r/min, V=0.308m/s, Re=6000, Ra\_V=27247958, h=3.35W/(K.m<sup>2</sup>), U=0.312W/K, Nu=39.1

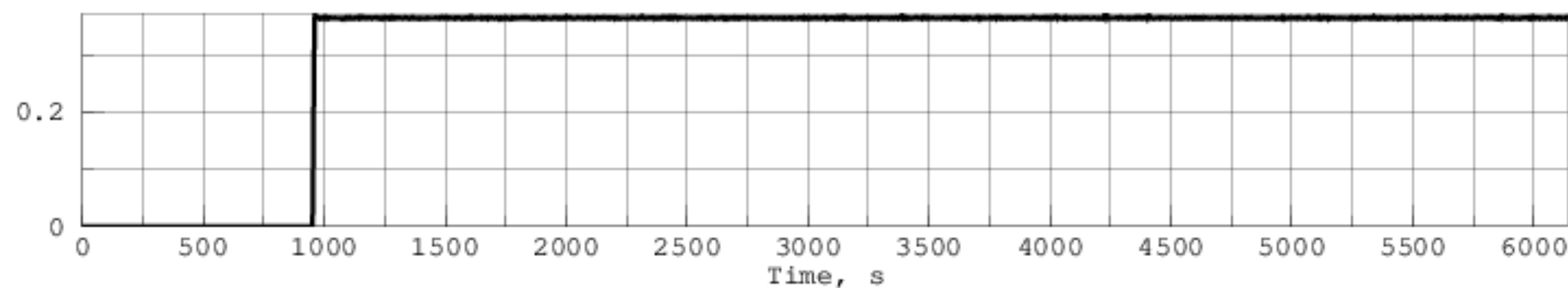


20170718T153131Z - mixed Convection - Roughness=1.13mm; T=22.4+10.3°C; +84.50°  
95±2r/min, V=0.365m/s, Re=7127, Ra\_V=27299265, h=3.93W/(K.m<sup>2</sup>), U=0.365W/K, Nu=45.8

Temperature, C

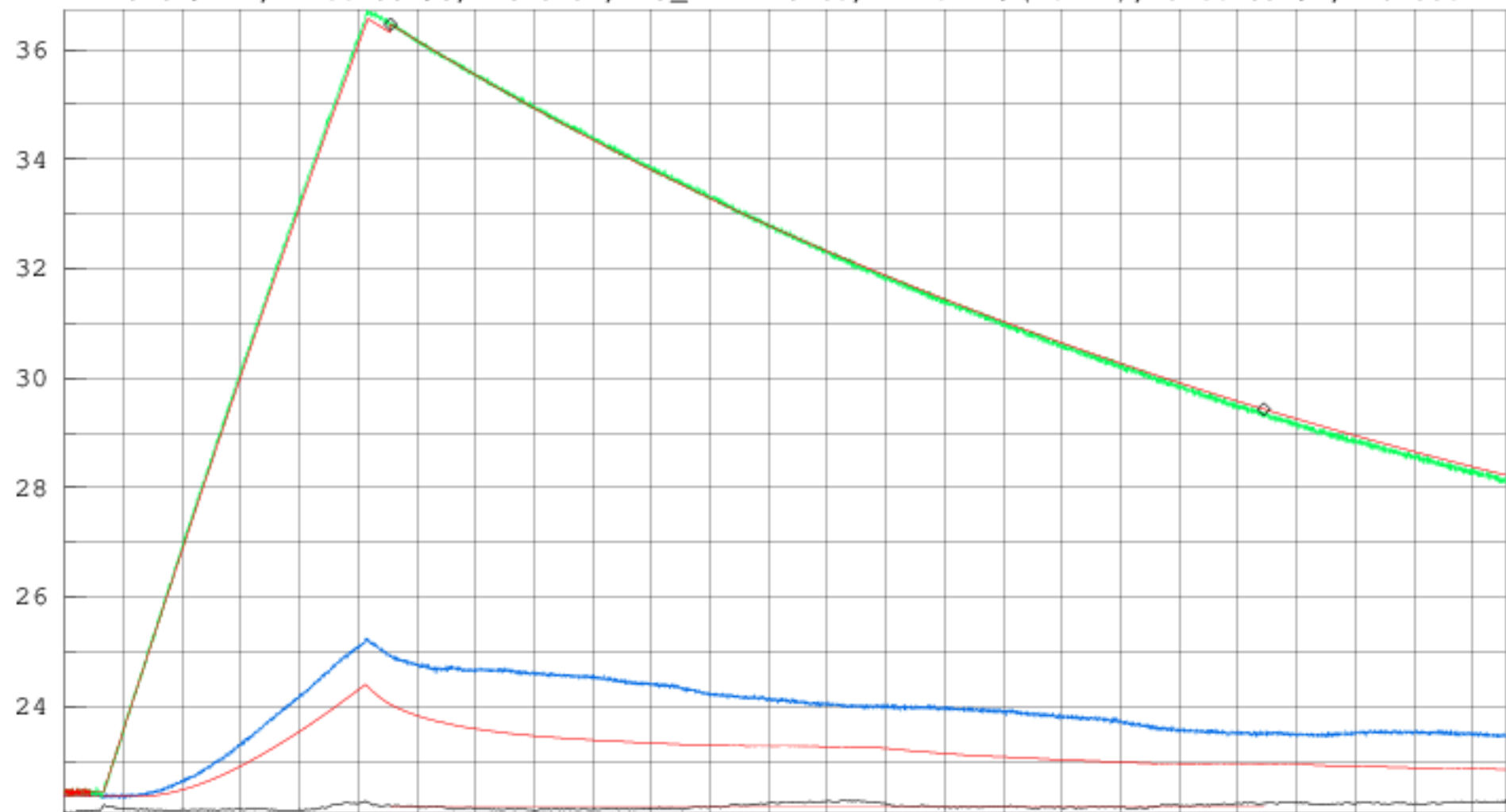


Velocity, m/s

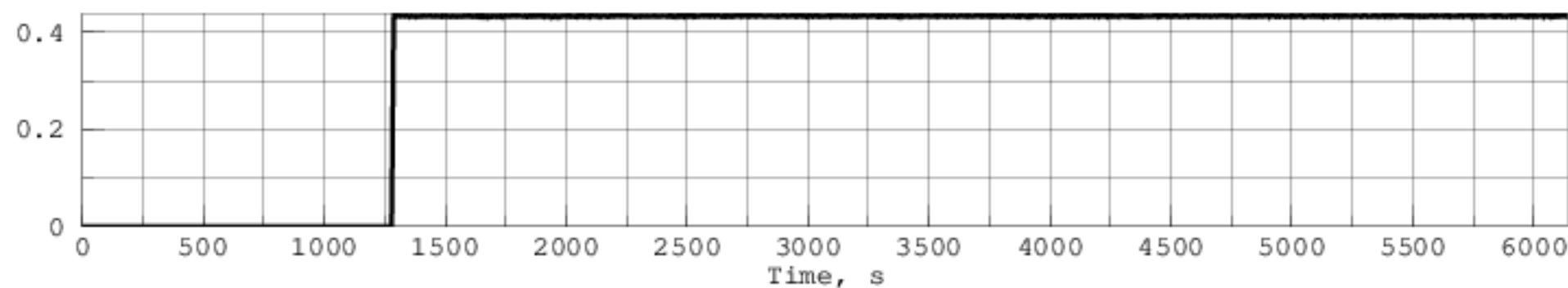


20170718T133202Z - mixed Convection - Roughness=1.13mm; T=22.2+10.3°C; +84.50°  
113±3r/min, V=0.433m/s, Re=8492, Ra\_V=27423450, h=4.72W/(K.m<sup>2</sup>), U=0.439W/K, Nu=55.1

Temperature, C

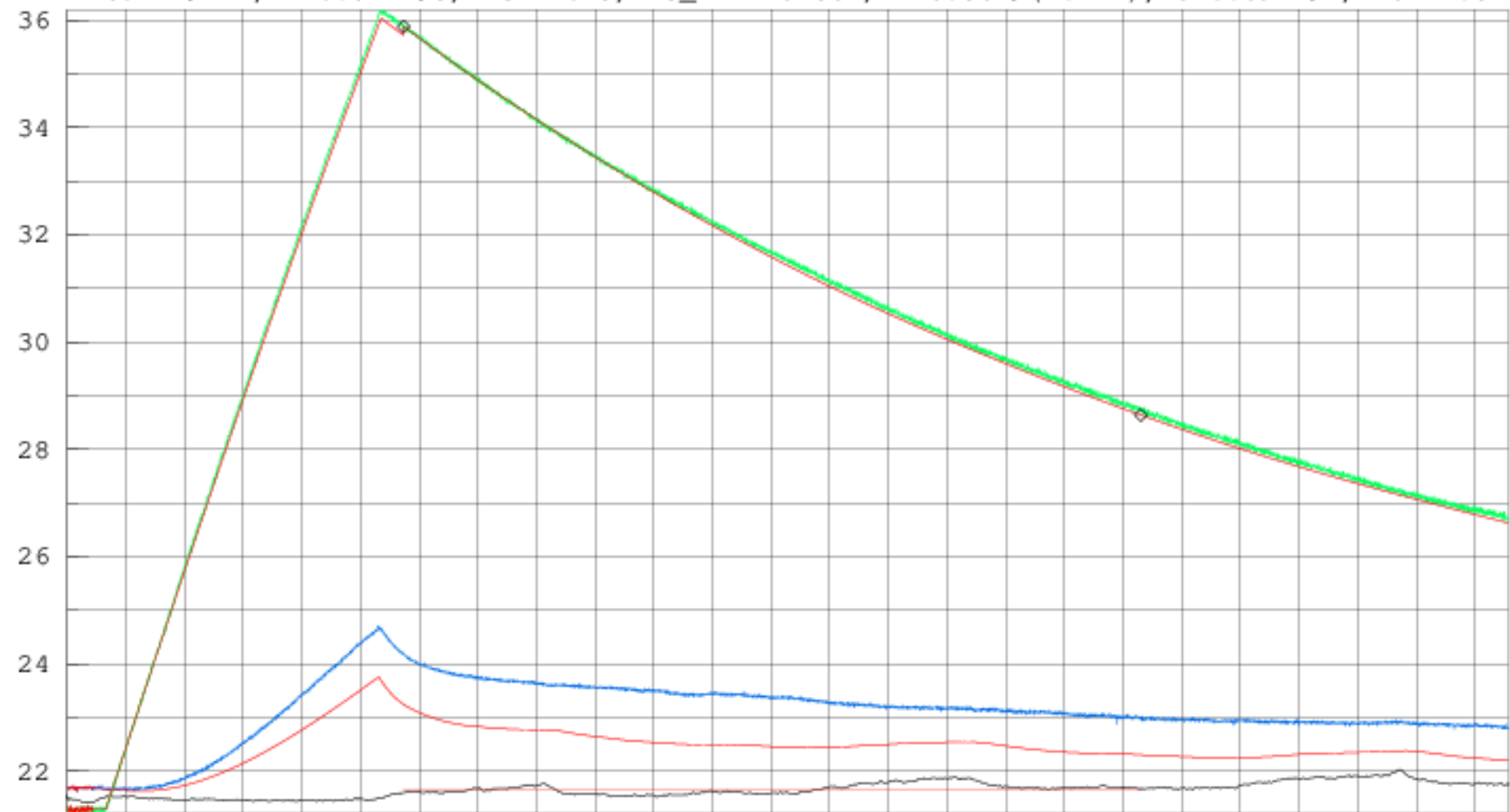


Velocity, m/s



20170717T221358Z - mixed Convection - Roughness=1.13mm; T=21.7+10.2°C; +84.50°  
160±1r/min, V=0.612m/s, Re=12013, Ra\_V=27154357, h=6.36W/(K.m<sup>2</sup>), U=0.592W/K, Nu=74.3

Temperature, C



Velocity, m/s

