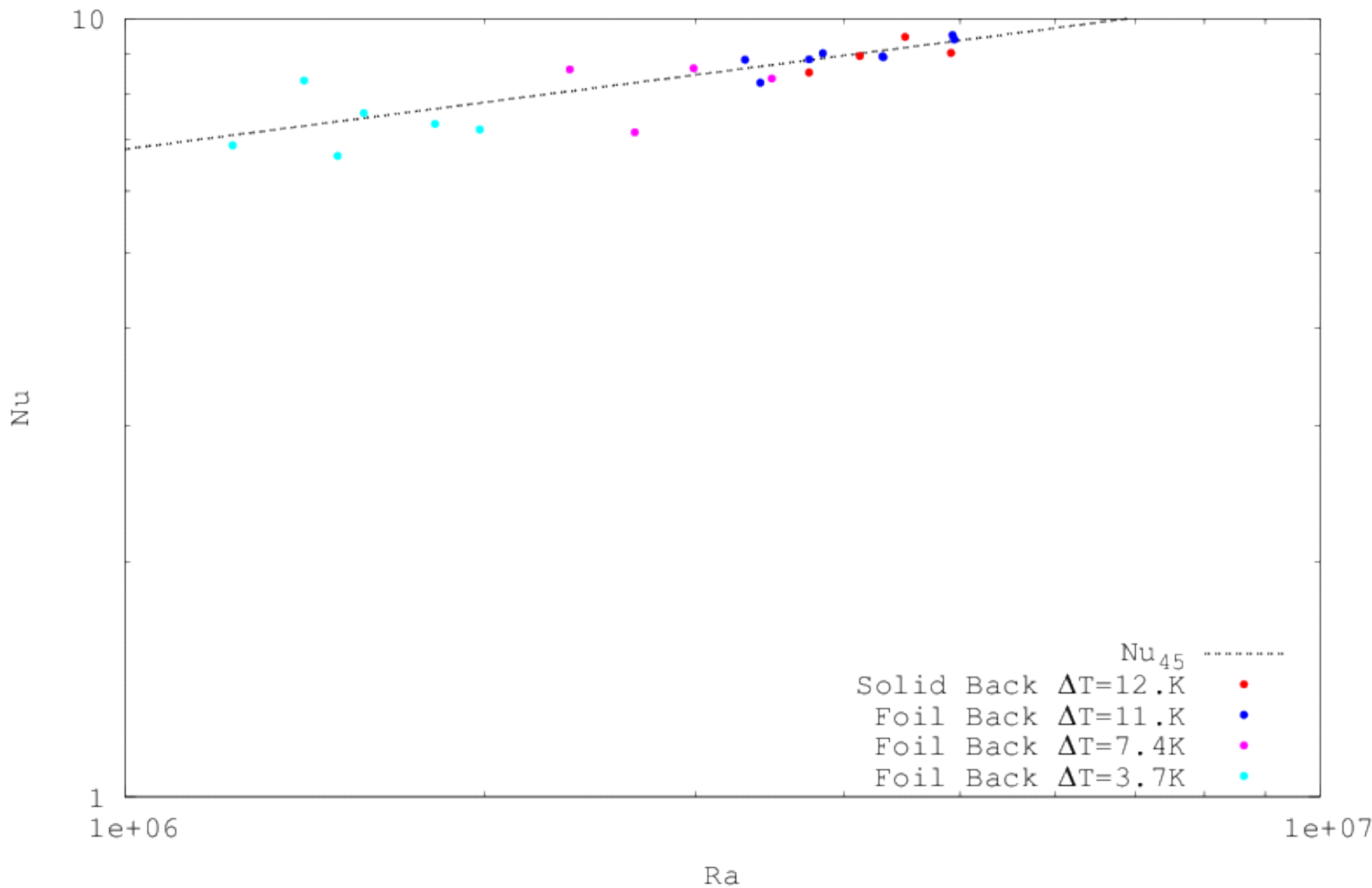
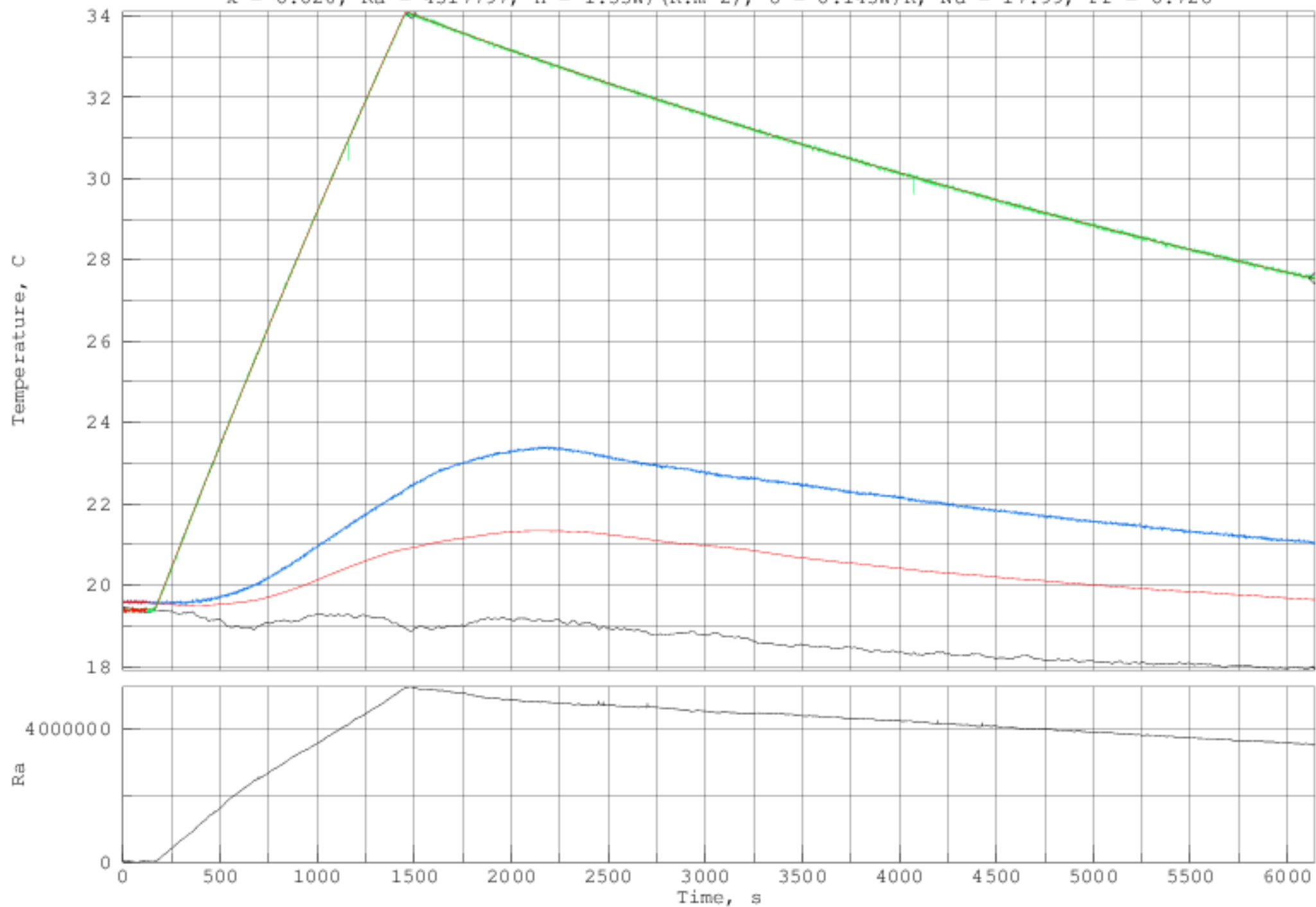


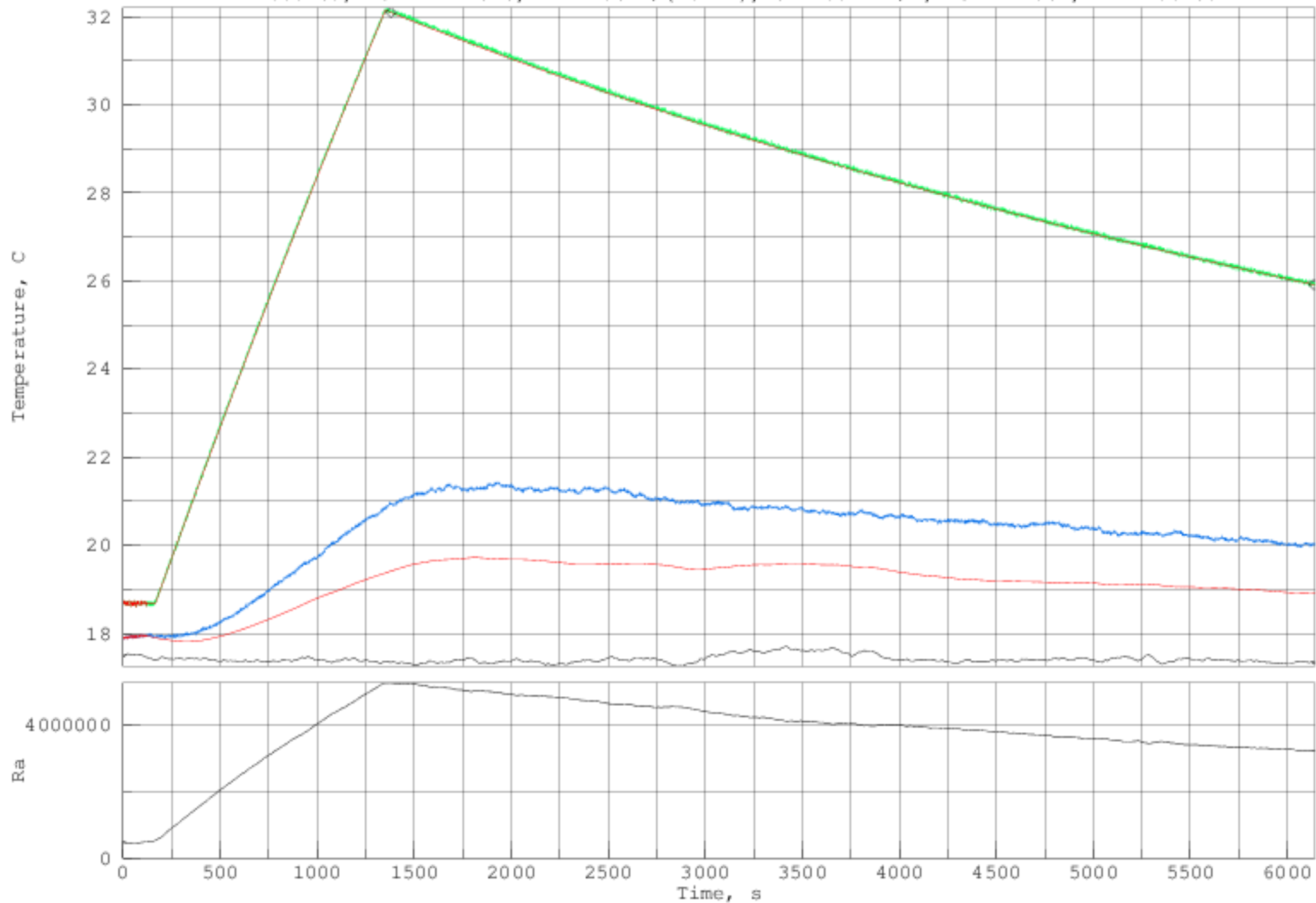
Downward Natural Convection Correlation - 3mm Roughness



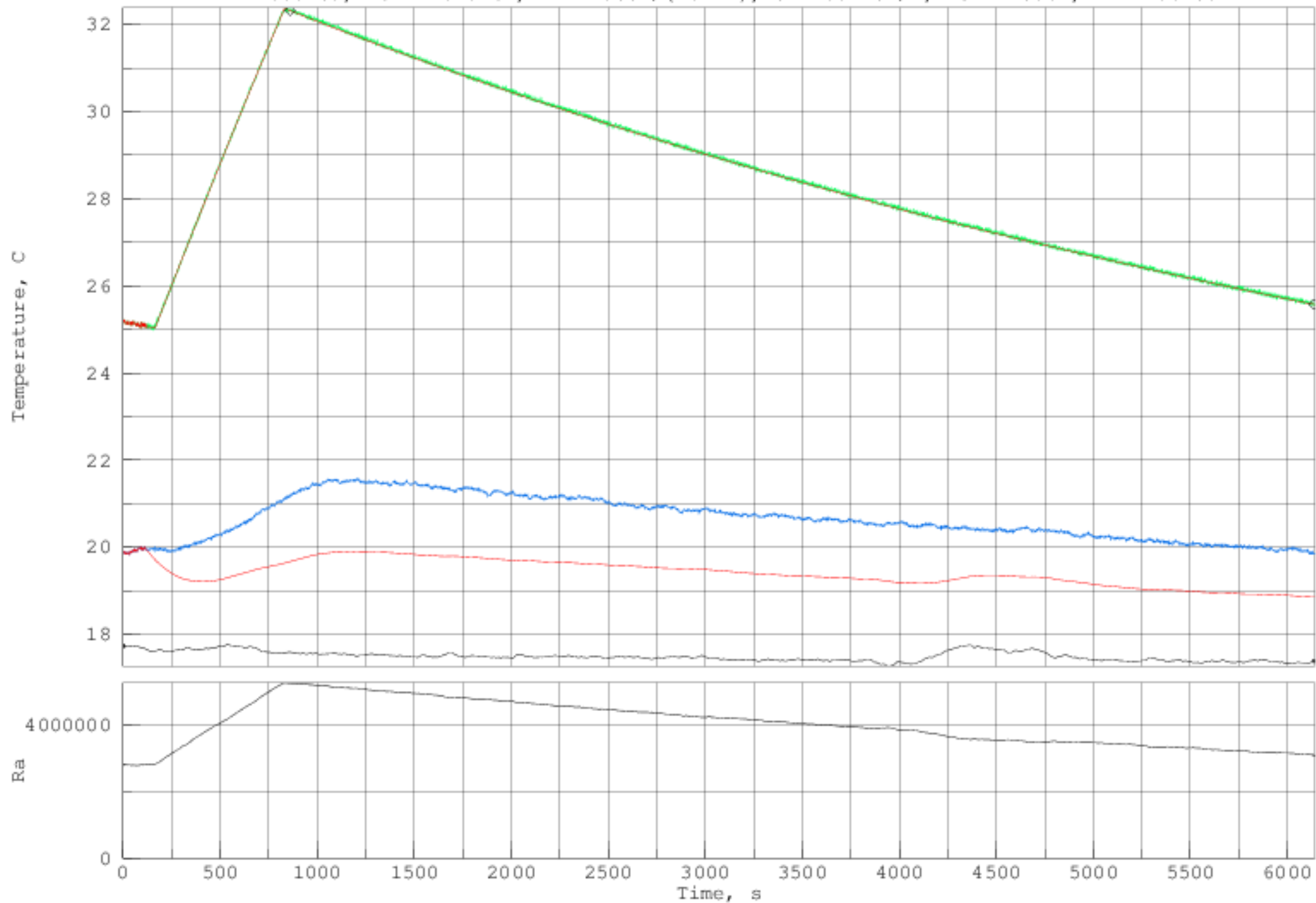
20160105T032317Z - downward Convection - Orientation = 90.00°; dT = 12.0K
k = 0.026, Ra = 4317797, h = 1.53W/(K.m^2), U = 0.143W/K, Nu = 17.99, Pr = 0.728



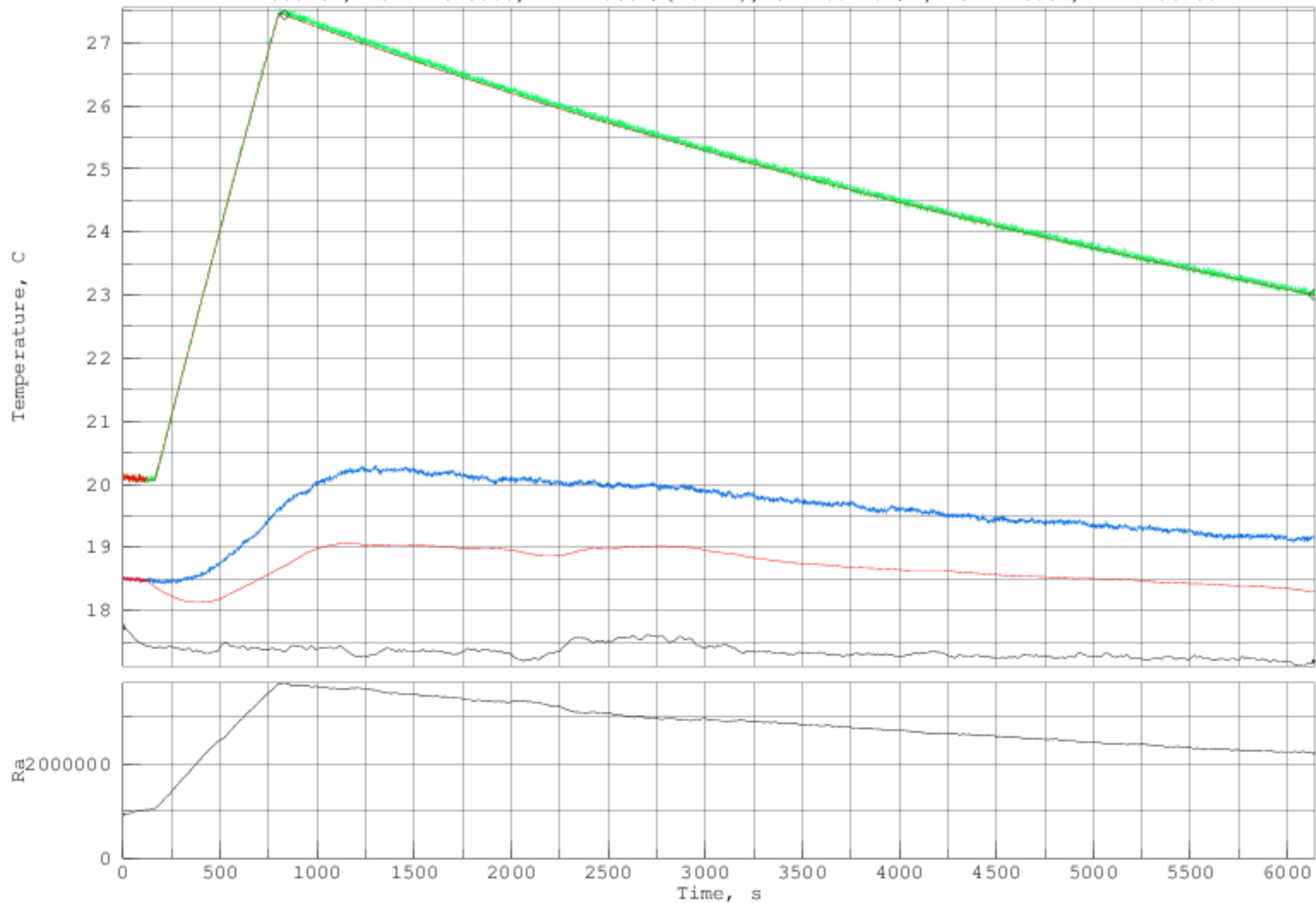
20151226T013001Z - downward Convection - Orientation = 90.00°; dT = 11.3K
k = 0.0259, Ra = 4122348, h = 1.51W/(K.m²), U = 0.141W/K, Nu = 17.82, Pr = 0.730



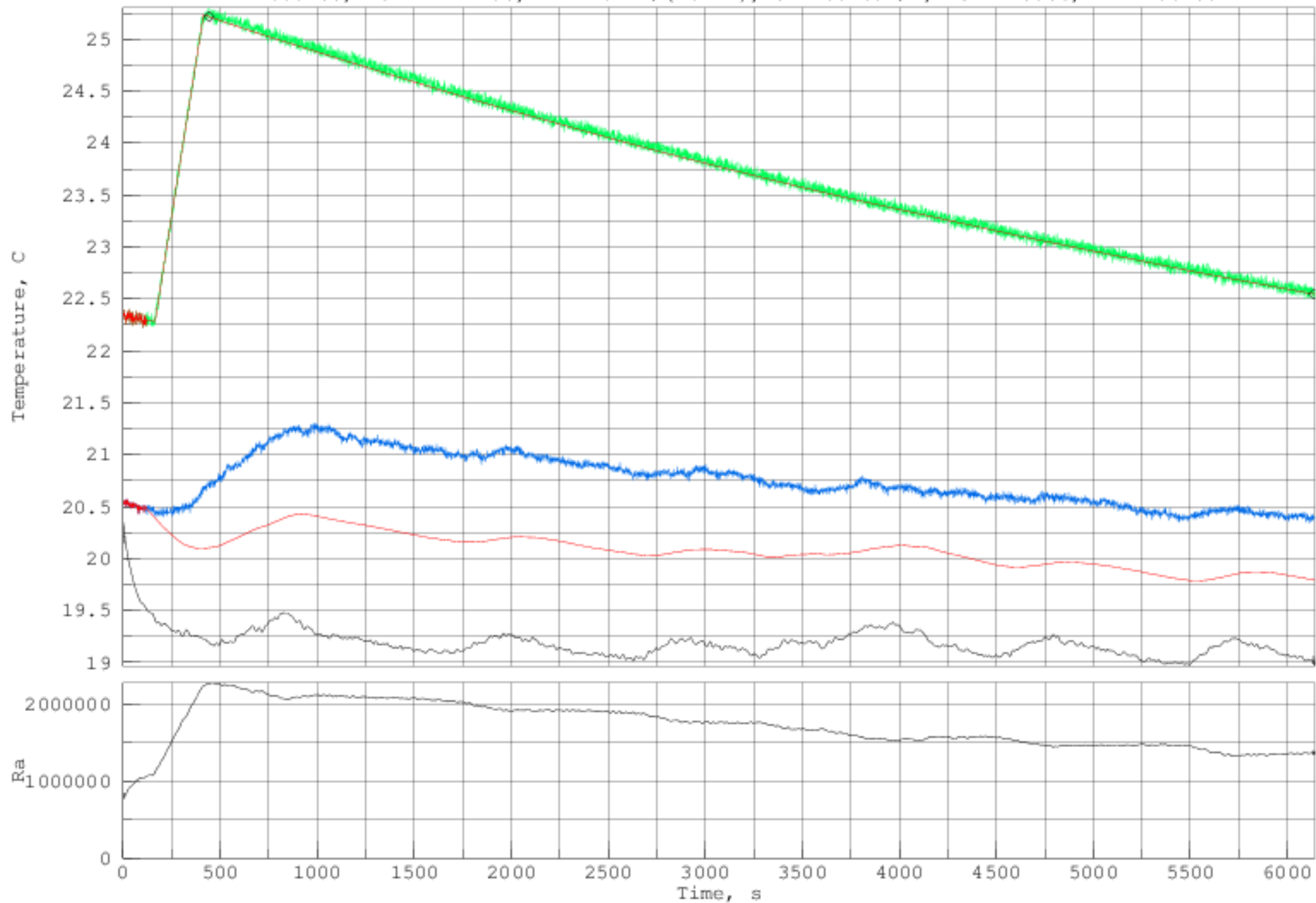
20151226T032619Z - downward Convection - Orientation = 90.00°; dT = 11.1K
k = 0.0259, Ra = 4070464, h = 1.53W/(K.m^2), U = 0.143W/K, Nu = 18.07, Pr = 0.730



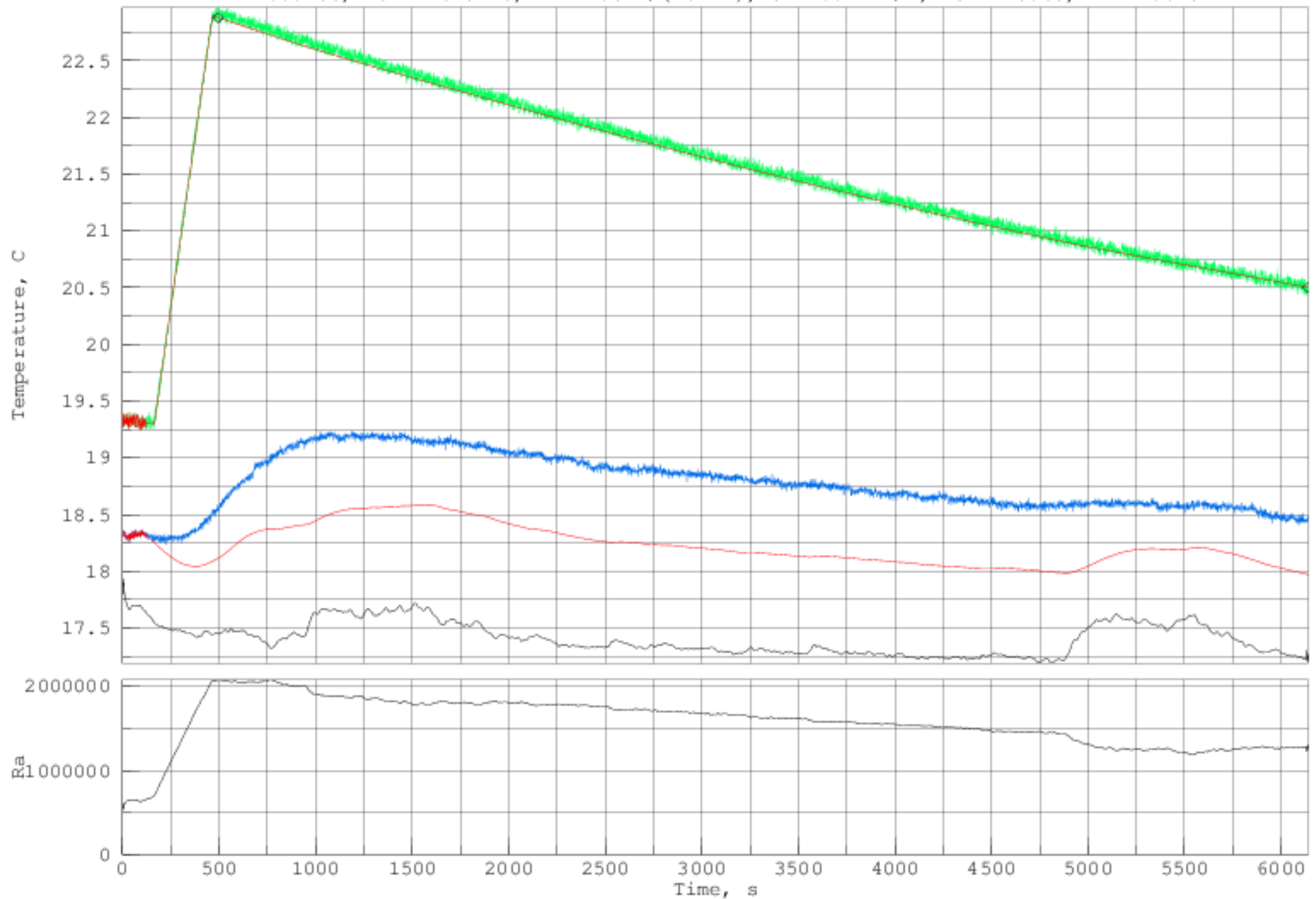
20151225T193203Z - downward Convection - Orientation = 90.00°; dT = 7.7K
k = 0.0257, Ra = 2875008, h = 1.38W/(K.m²), U = 0.129W/K, Nu = 16.37, Pr = 0.730



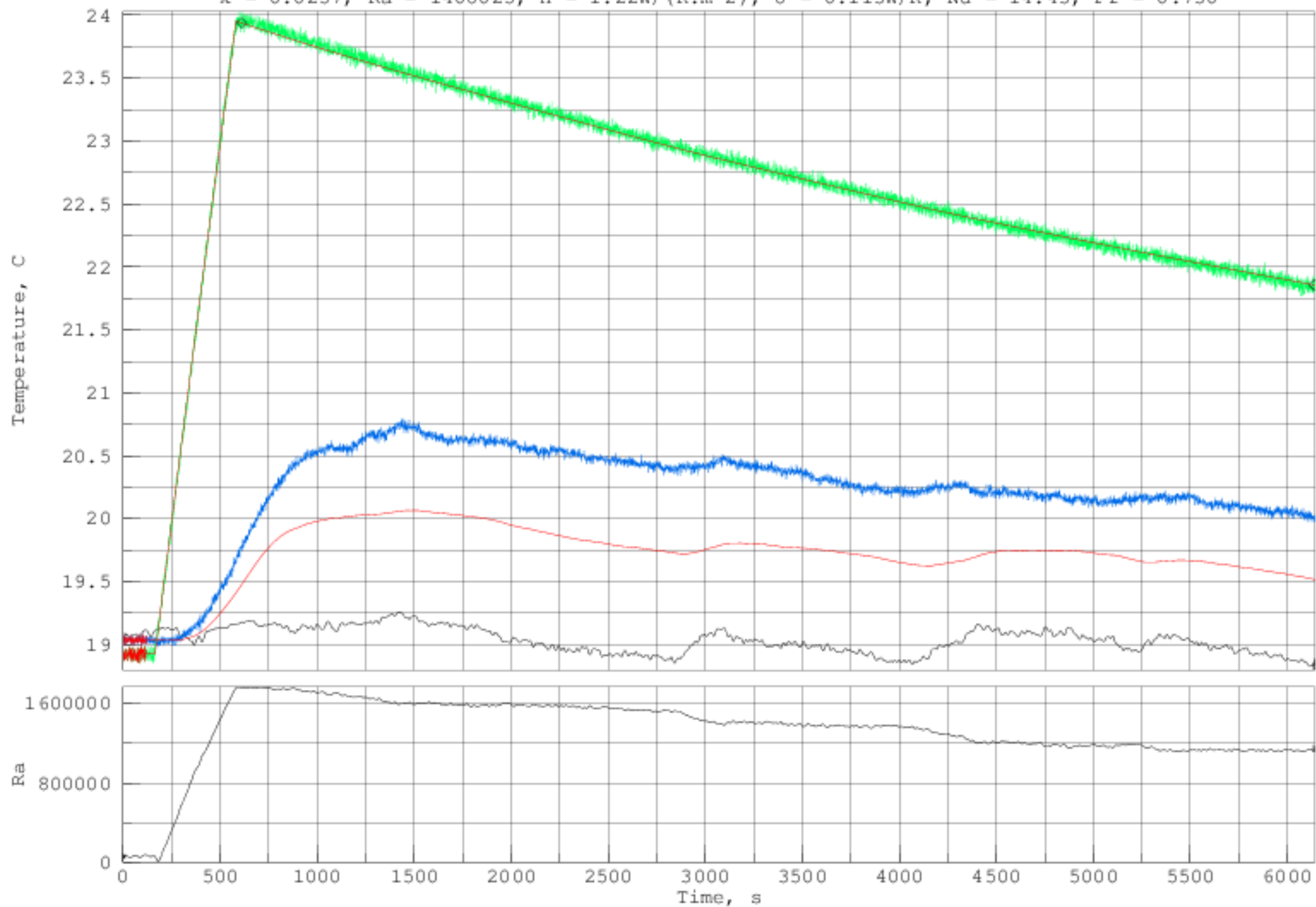
20151220T205655Z - downward Convection - Orientation = 90.00°; dT = 4.6K
k = 0.0258, Ra = 1744295, h = 1.17W/(K.m²), U = 0.109W/K, Nu = 13.86, Pr = 0.730



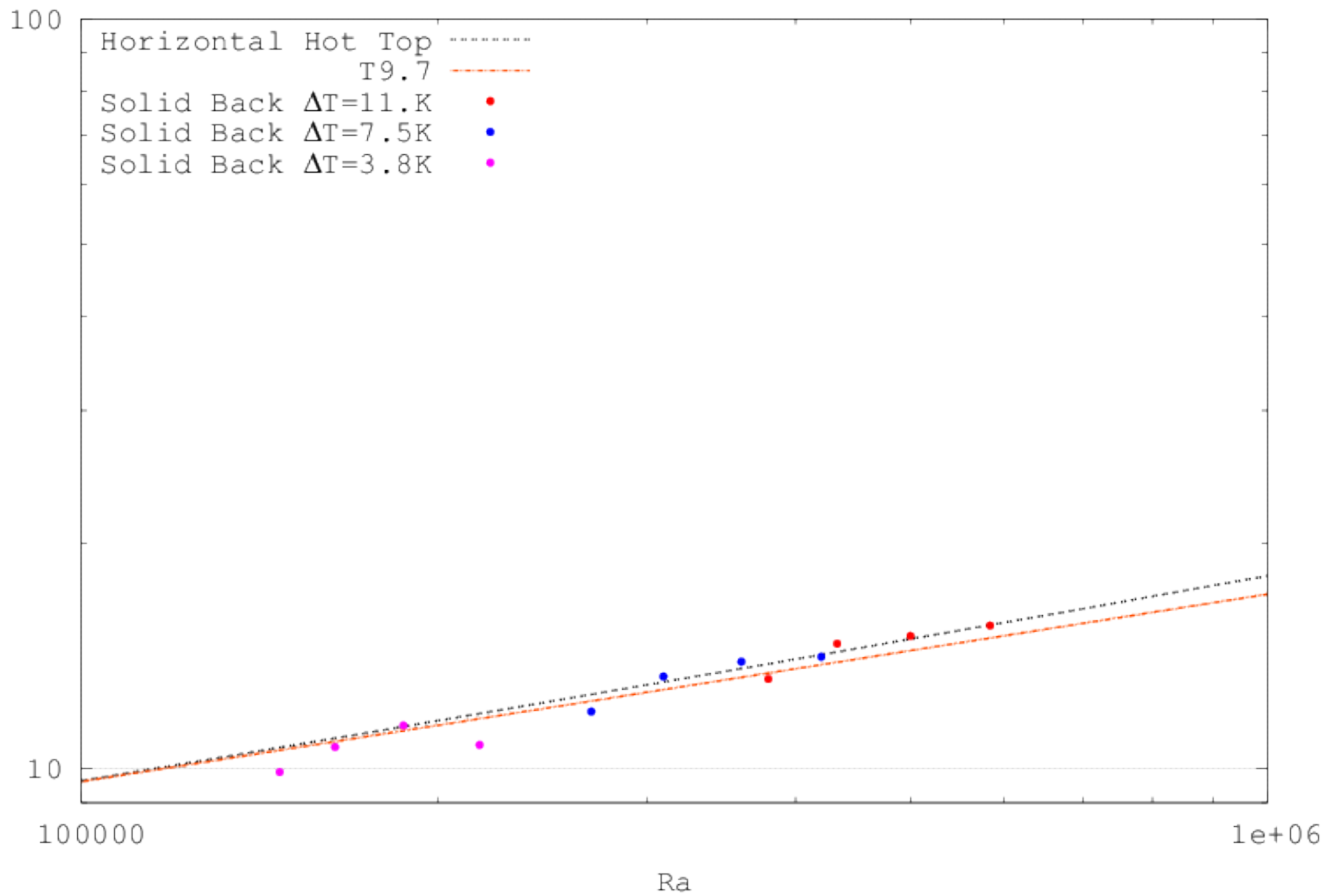
20151225T172603Z - downward Convection - Orientation = 90.00°; dT = 4.2K
k = 0.0256, Ra = 1615476, h = 1.31W/(K.m²), U = 0.122W/K, Nu = 15.63, Pr = 0.731



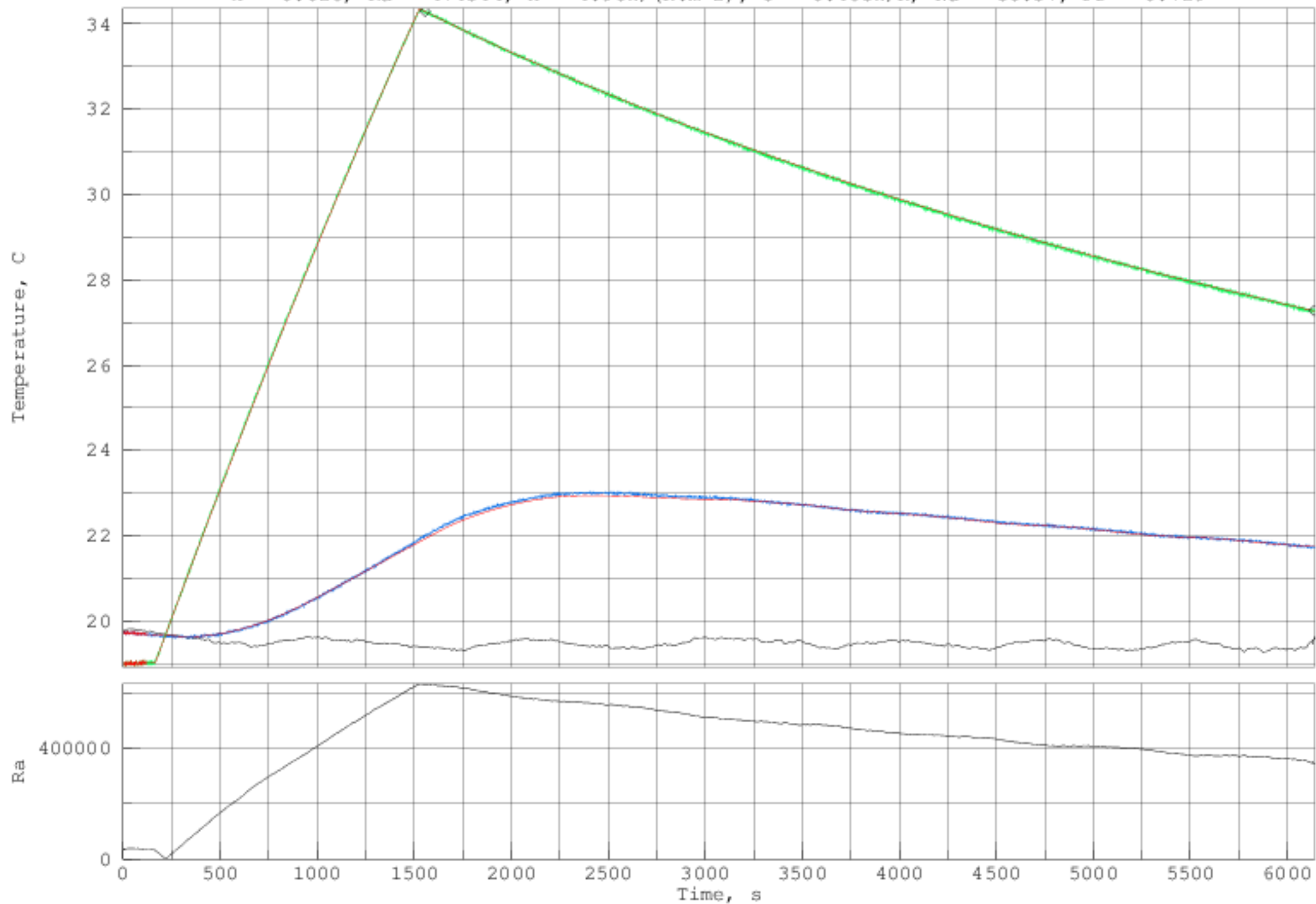
20151221T231415Z - downward Convection - Orientation = 90.00°; dT = 3.8K
k = 0.0257, Ra = 1408025, h = 1.22W/(K.m²), U = 0.113W/K, Nu = 14.43, Pr = 0.730



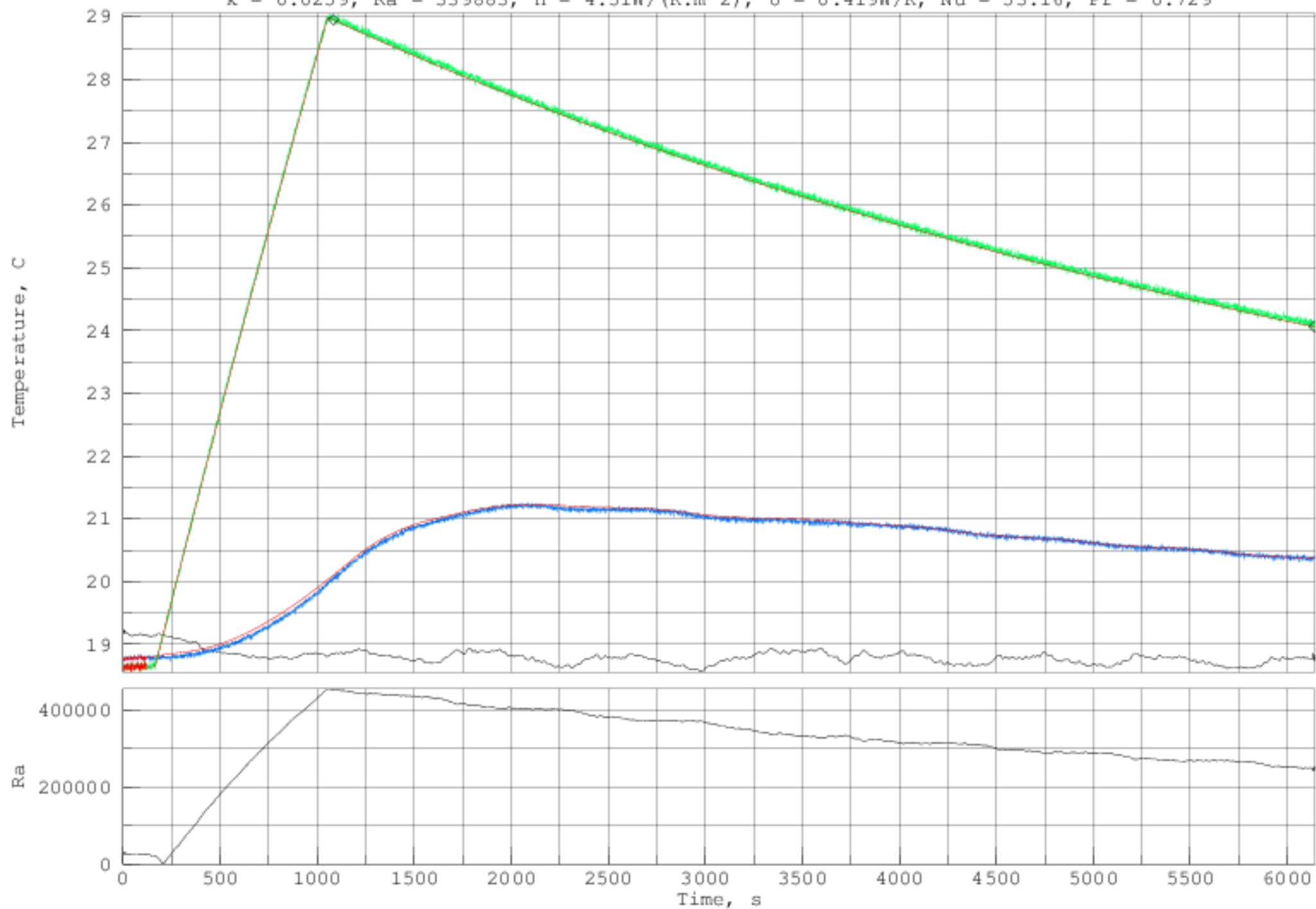
Upward Natural Convection Correlation - 3mm Roughness



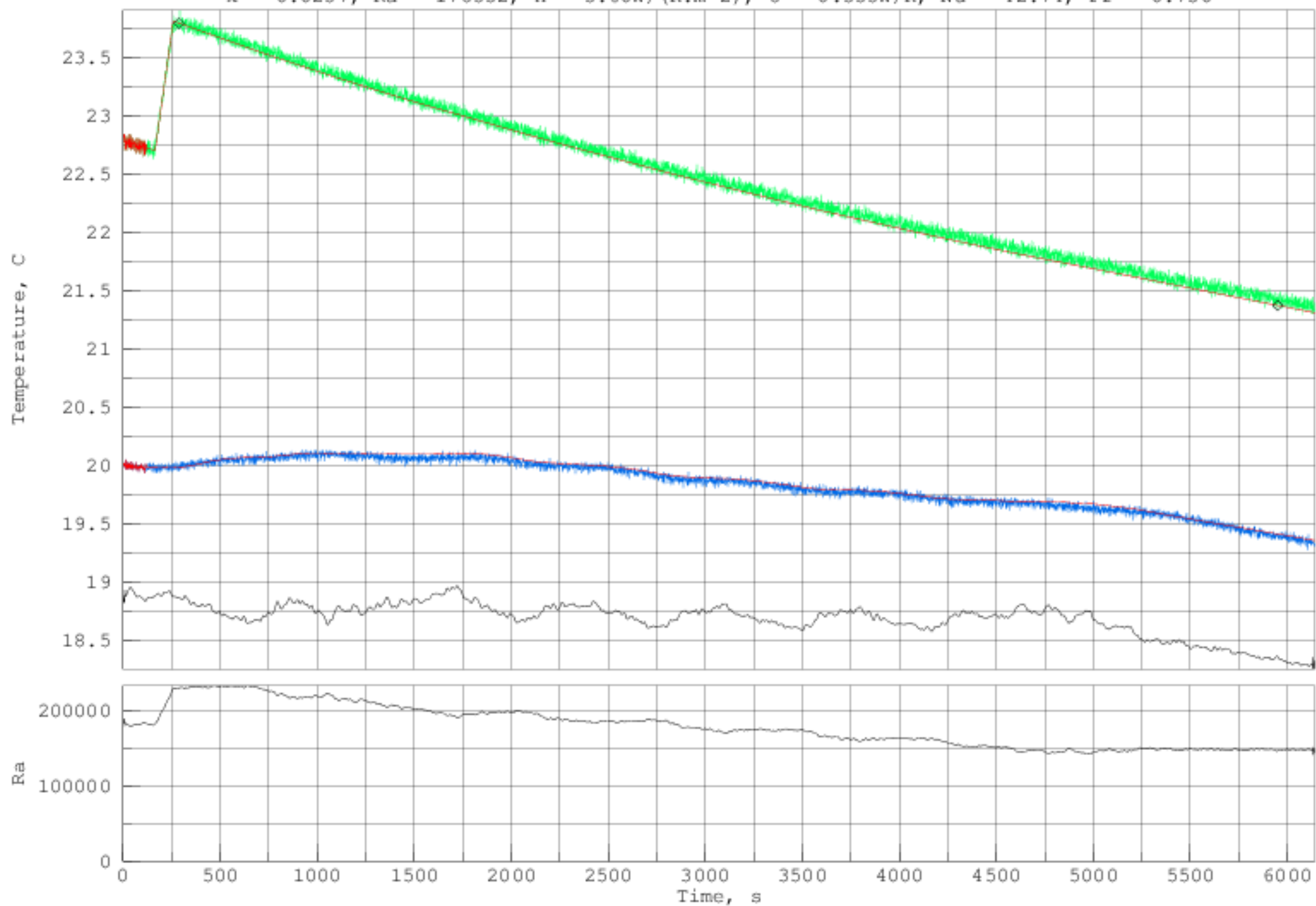
20160112T000951Z - upward Convection - Orientation = -90.00°; dT = 10.9K
k = 0.026, Ra = 474344, h = 4.98W/(K.m²), U = 0.463W/K, Nu = 58.37, Pr = 0.729



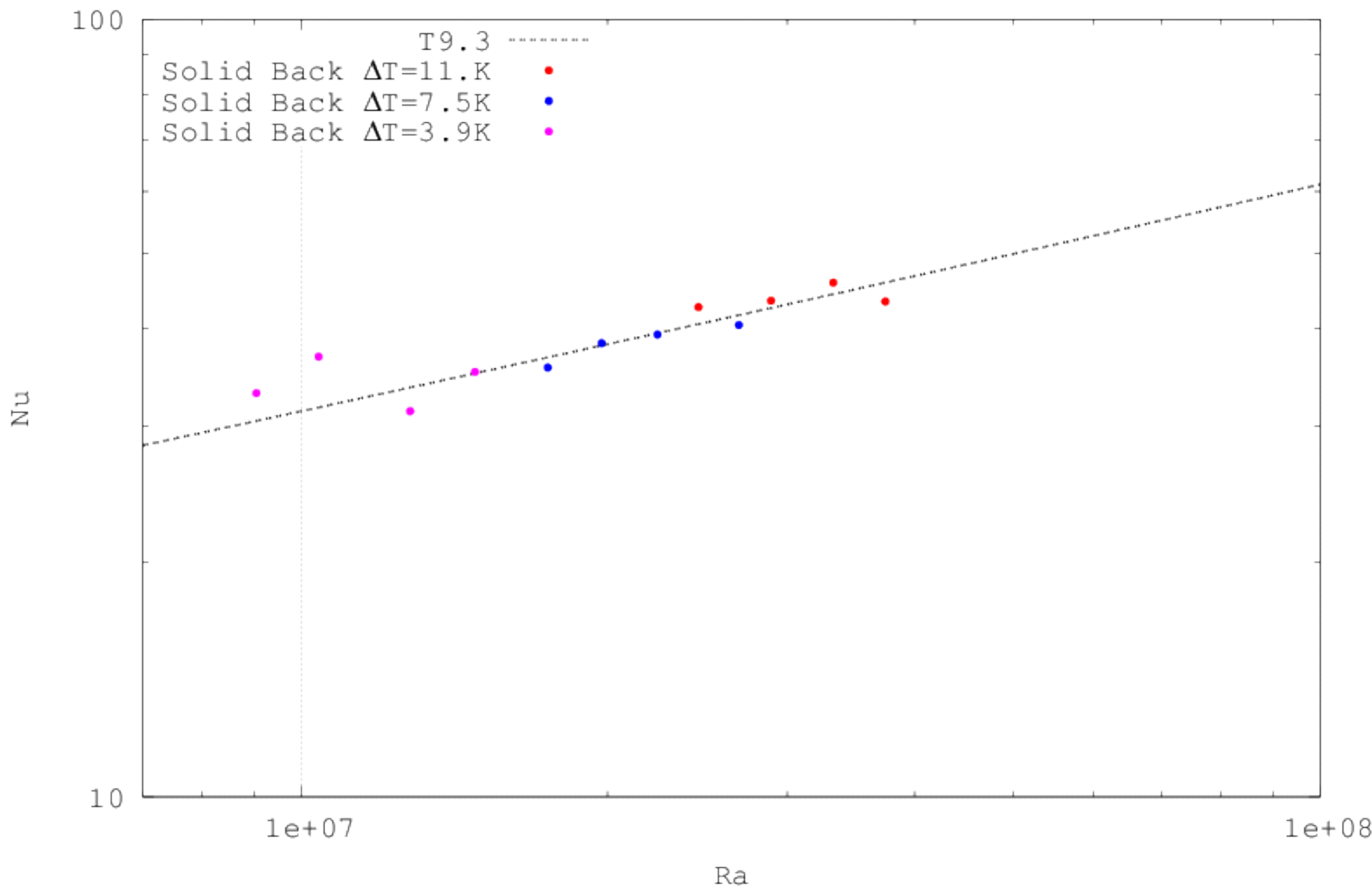
20160122T001900Z - upward Convection - Orientation = -90.00°; dT = 7.5K
k = 0.0259, Ra = 339883, h = 4.51W/(K.m^2), U = 0.419W/K, Nu = 53.16, Pr = 0.729



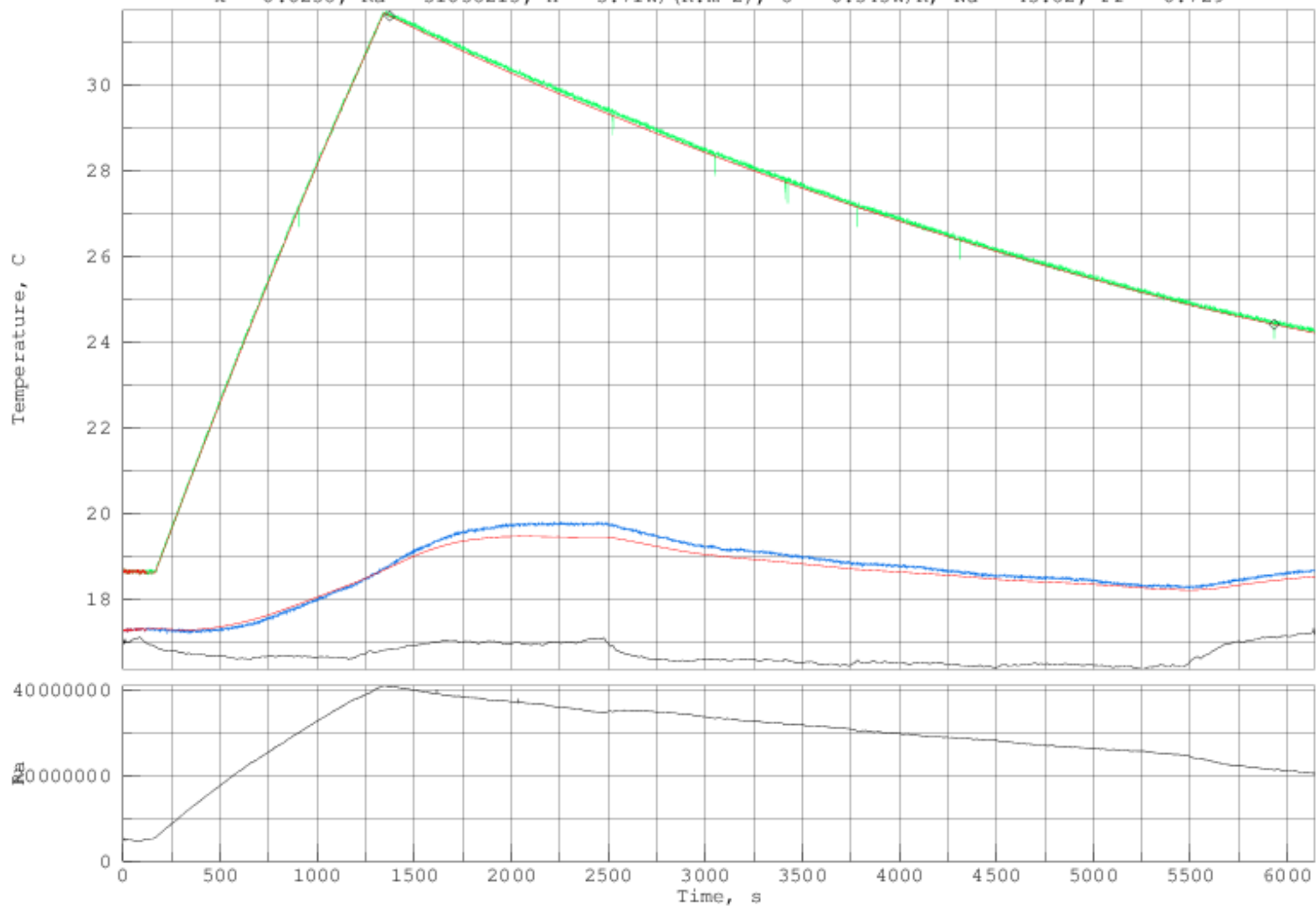
20160122T024304Z - upward Convection - Orientation = -90.00°; dT = 3.8K
k = 0.0257, Ra = 178532, h = 3.60W/(K.m^2), U = 0.335W/K, Nu = 42.74, Pr = 0.730



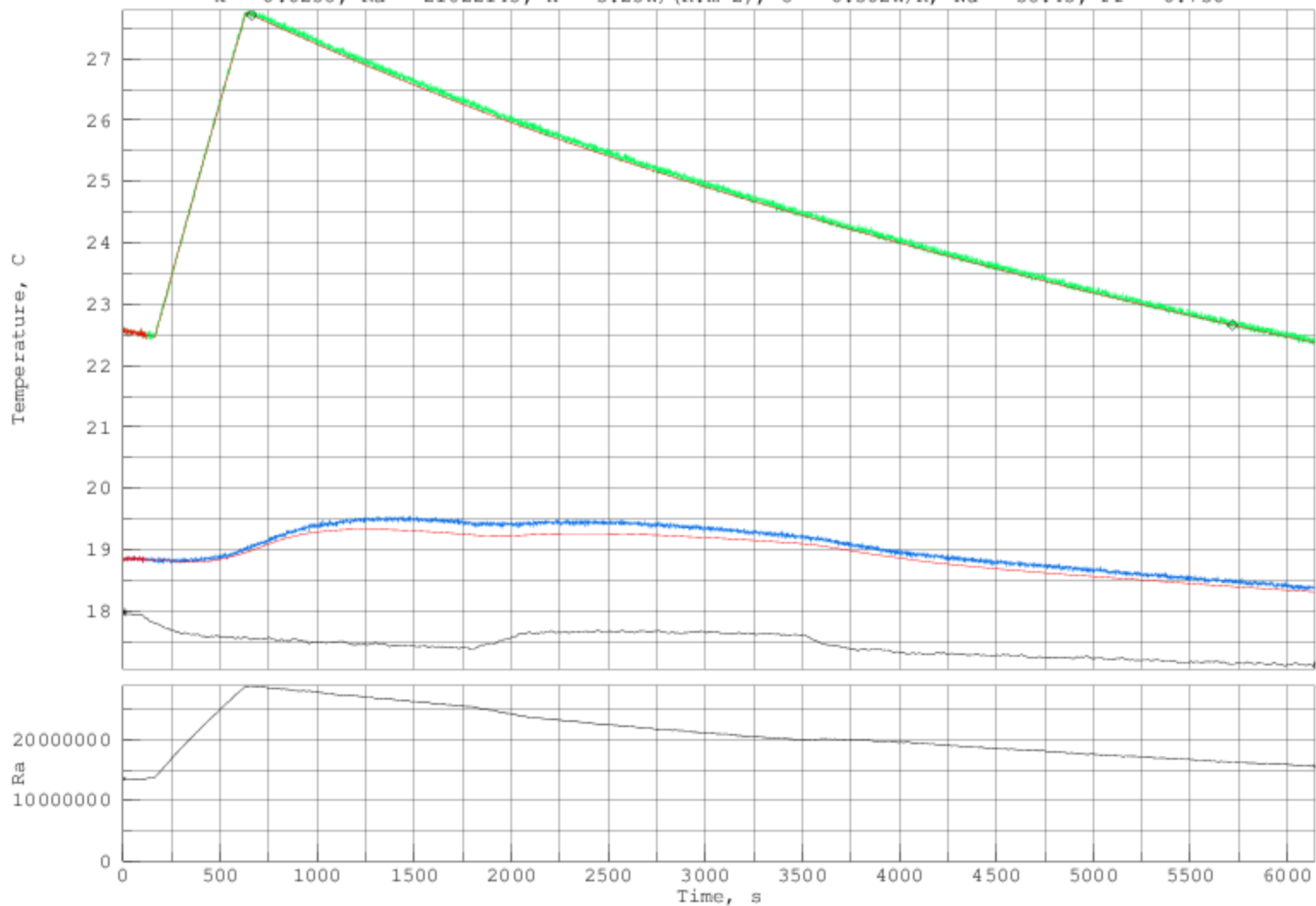
Vertical Natural Convection Correlation - 3mm Roughness



20160211T021104Z - vertical Convection - Orientation = 0.00°; dT = 10.9K
k = 0.0258, Ra = 31058215, h = 3.71W/(K.m²), U = 0.345W/K, Nu = 43.82, Pr = 0.729



20160211T043140Z - vertical Convection - Orientation = 0.00°; dT = 7.5K
k = 0.0258, Ra = 21622145, h = 3.25W/(K.m²), U = 0.302W/K, Nu = 38.43, Pr = 0.730



20160212T000539Z - vertical Convection - Orientation = 0.00°; dT = 3.9K
k = 0.0257, Ra = 11769779, h = 2.87W/(K.m^2), U = 0.267W/K, Nu = 34.10, Pr = 0.730

