

Czech Technical University in Prague

Faculty of Mechanical Engineering

Institute of Aircraft Technology



MASTER'S THESIS - Appendix

Validation of Temperatures in a Thermal-Vacuum Chamber

Validace teplot v termálně-vakuové komoře

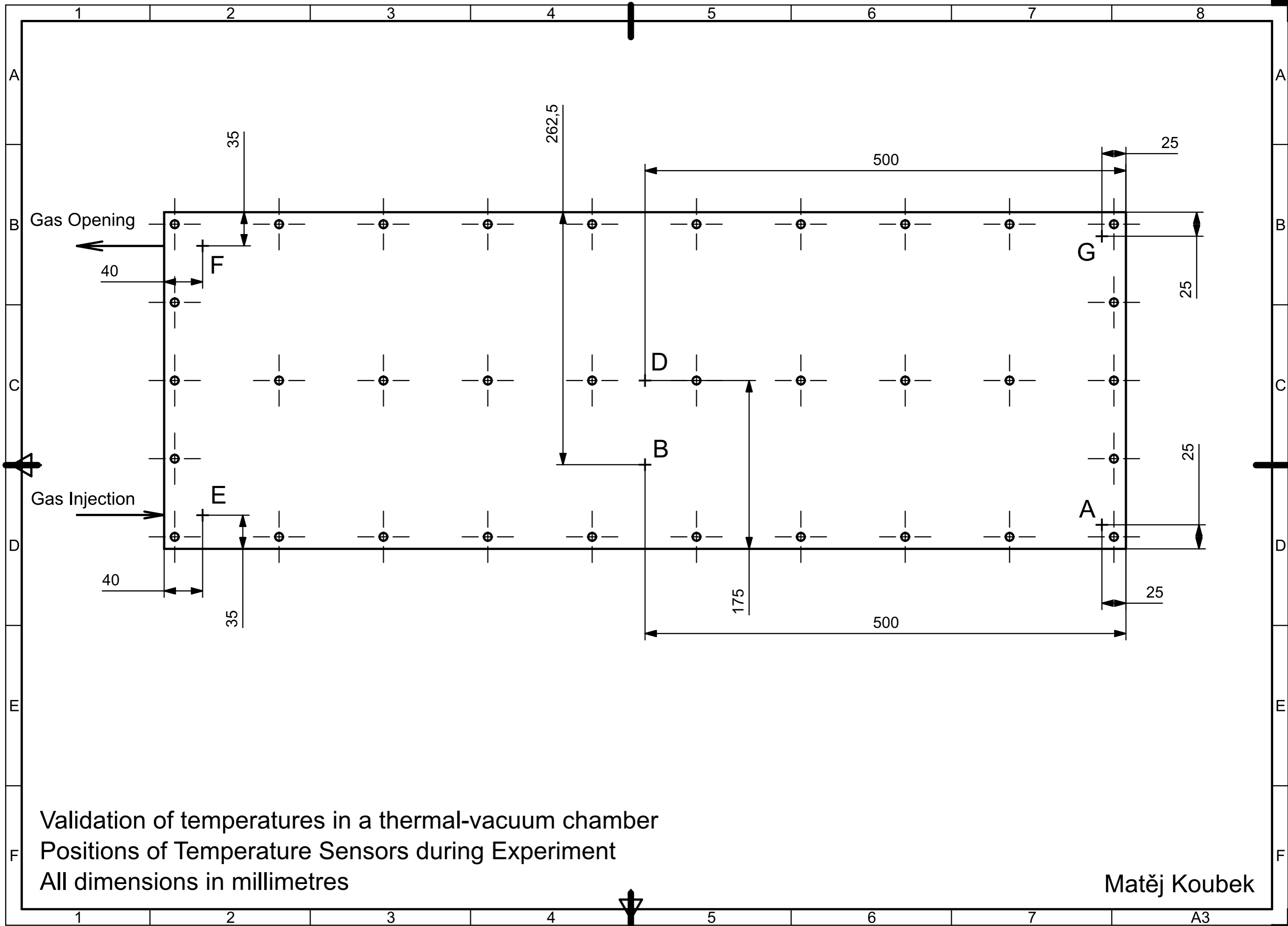
Bc. Matěj Koubek

Thesis Supervisor: Ing. Jaromír Kučera

Study Programme: N3958 Aviation and Astronautics

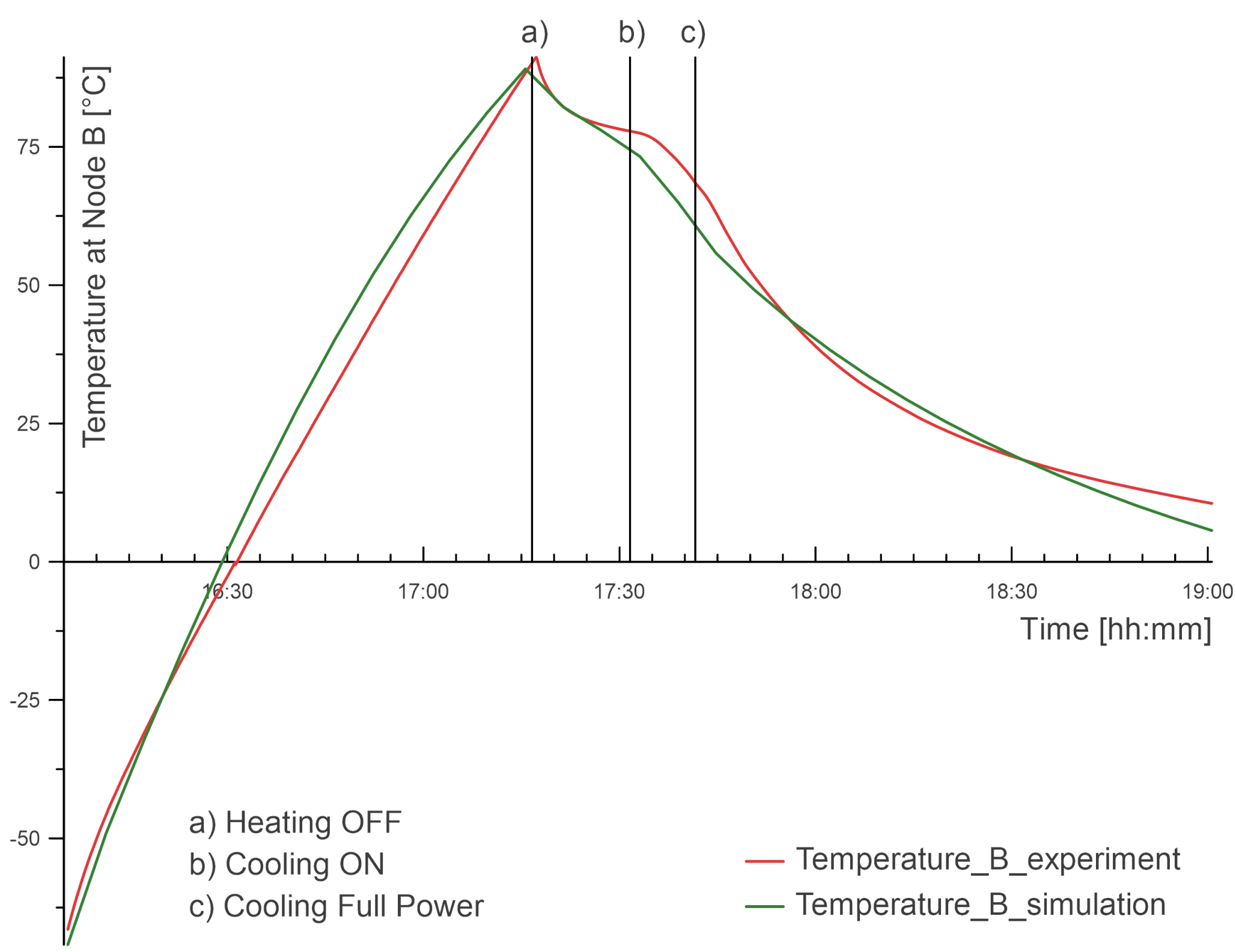
Field of Study: 3906T008 Aircraft and Space Technology

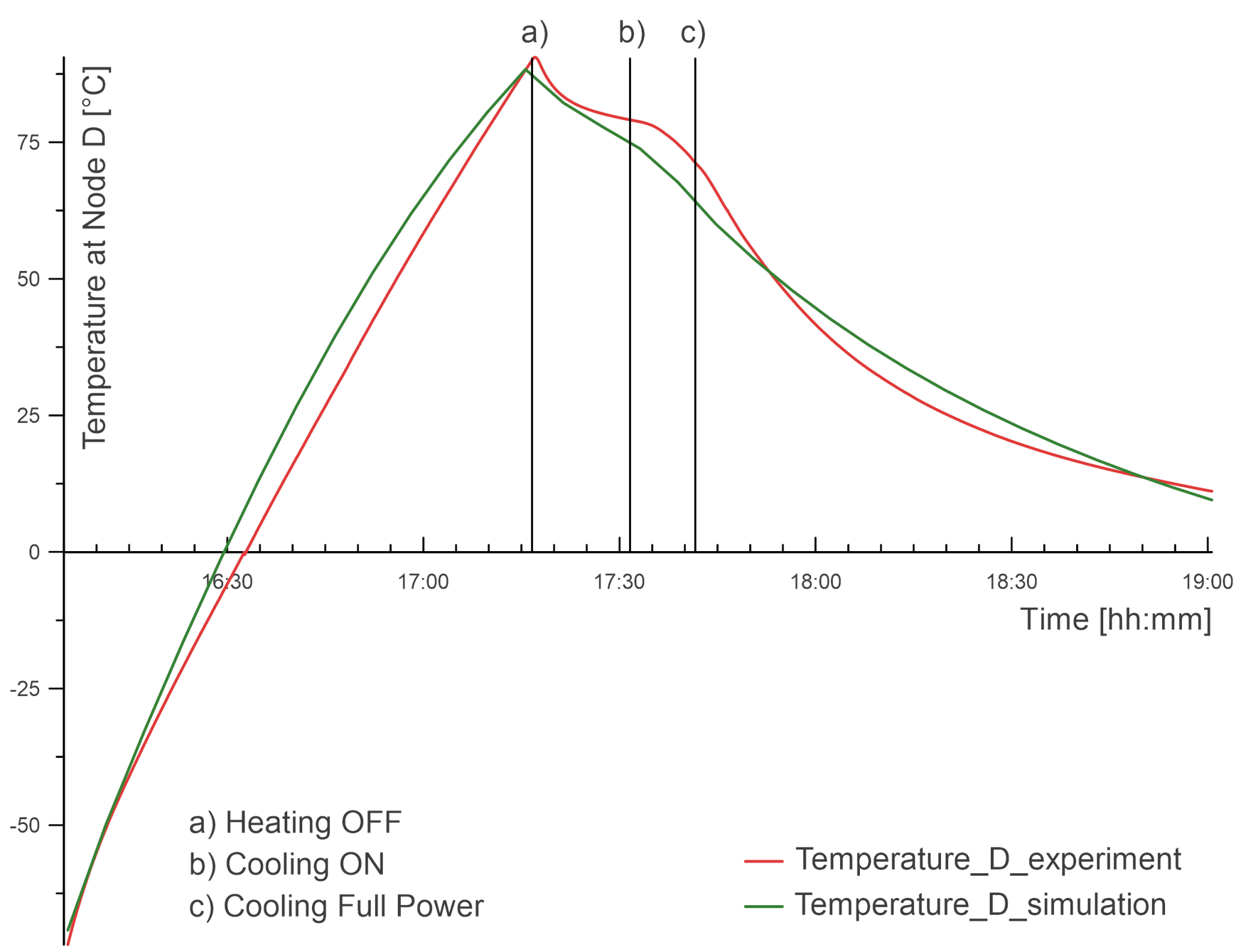
Praha 2020

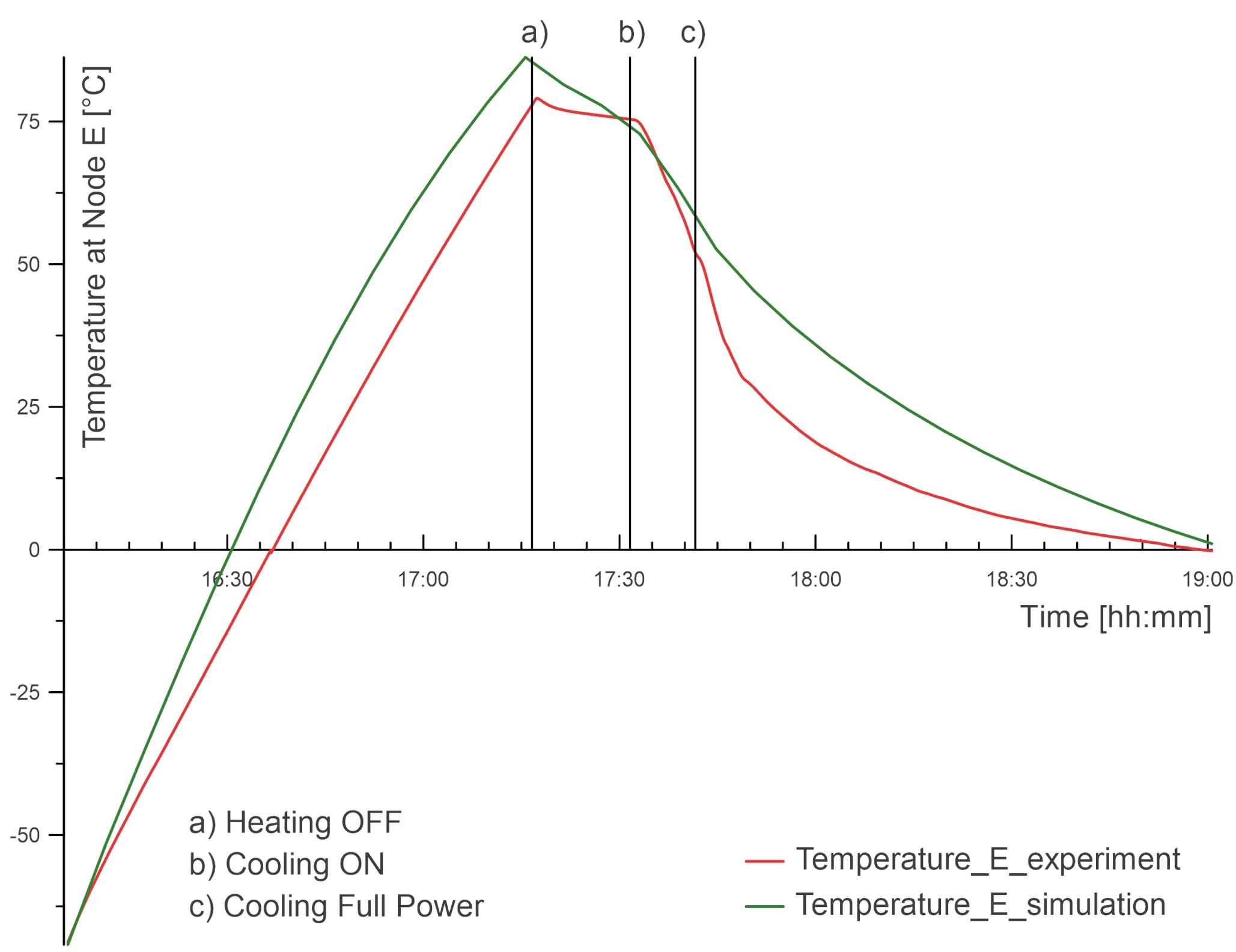


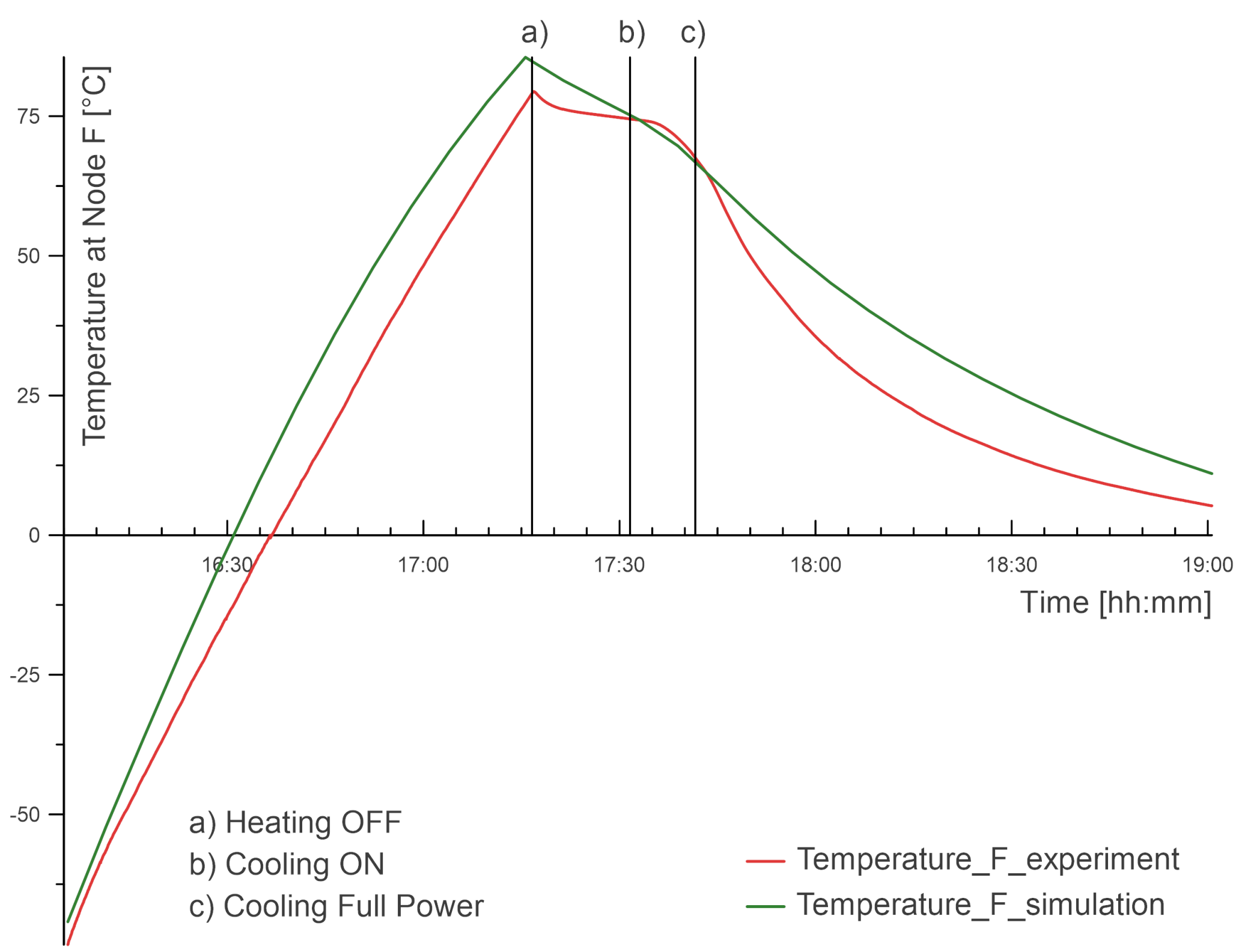
Validation of temperatures in a thermal-vacuum chamber
 Positions of Temperature Sensors during Experiment
 All dimensions in millimetres

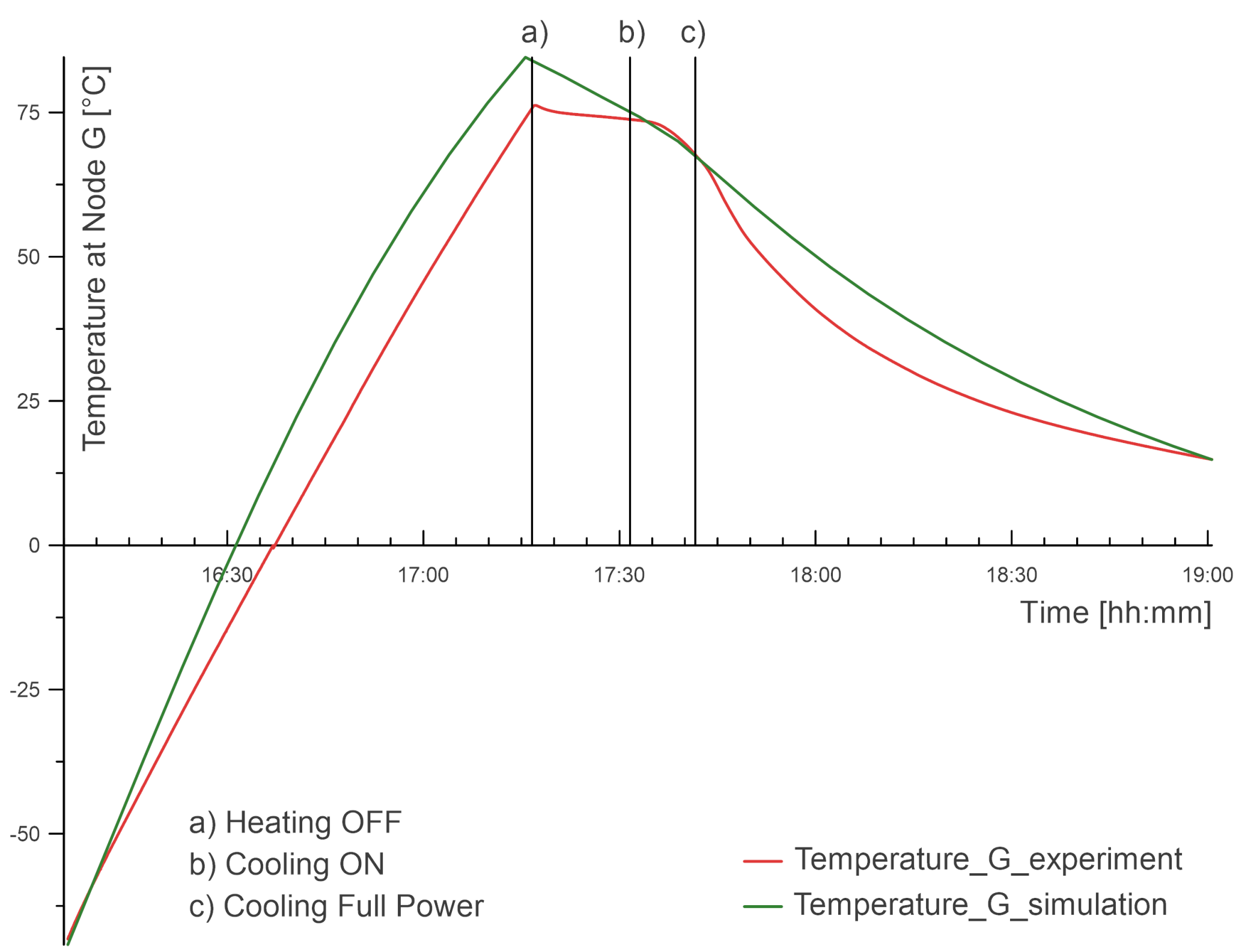
Matěj Koubek



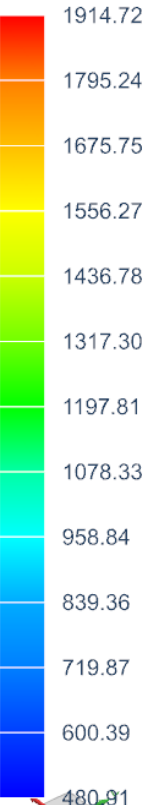




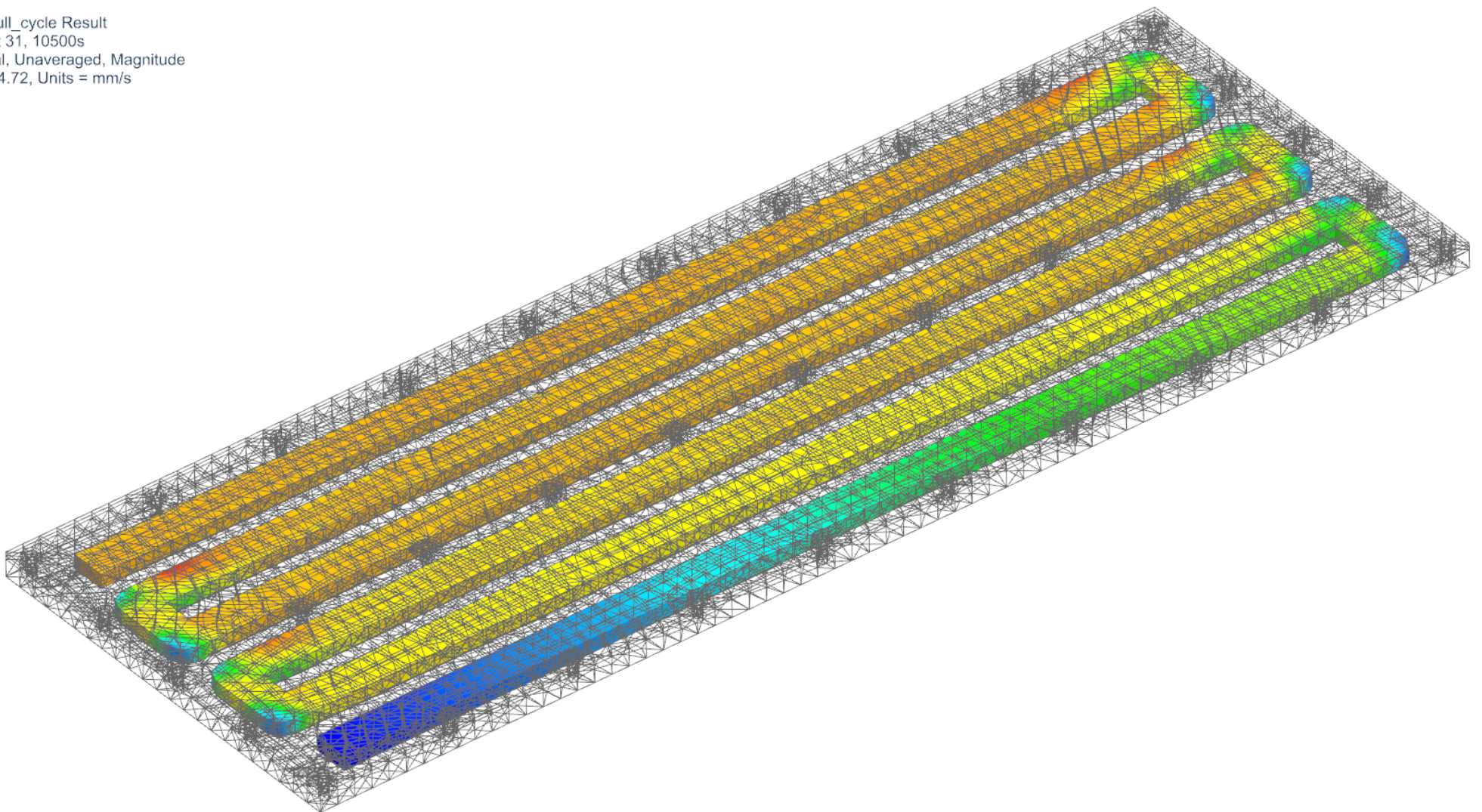




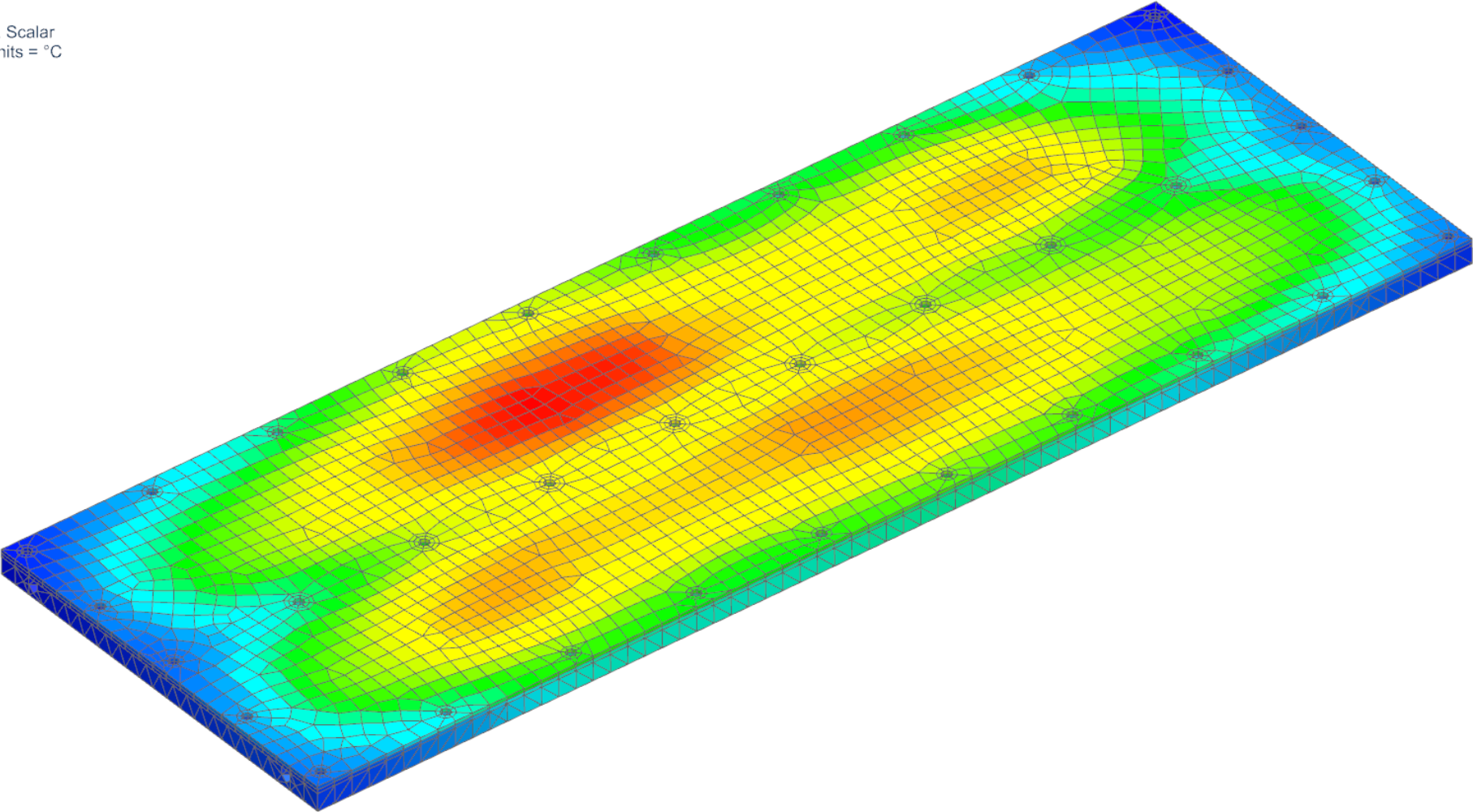
chlazeni_velka_sim2 : full_cycle Result
Load Case 1, Increment 31, 10500s
Velocity - Element-Nodal, Unaveraged, Magnitude
Min : 480.91, Max : 1914.72, Units = mm/s



[mm/s]



chlazeni_velka_sim2 : full_cycle Result
Load Case 1, Time Invariant
Max Temperature - Elemental, Scalar
Min : 83.936, Max : 89.969, Units = °C



[°C]

