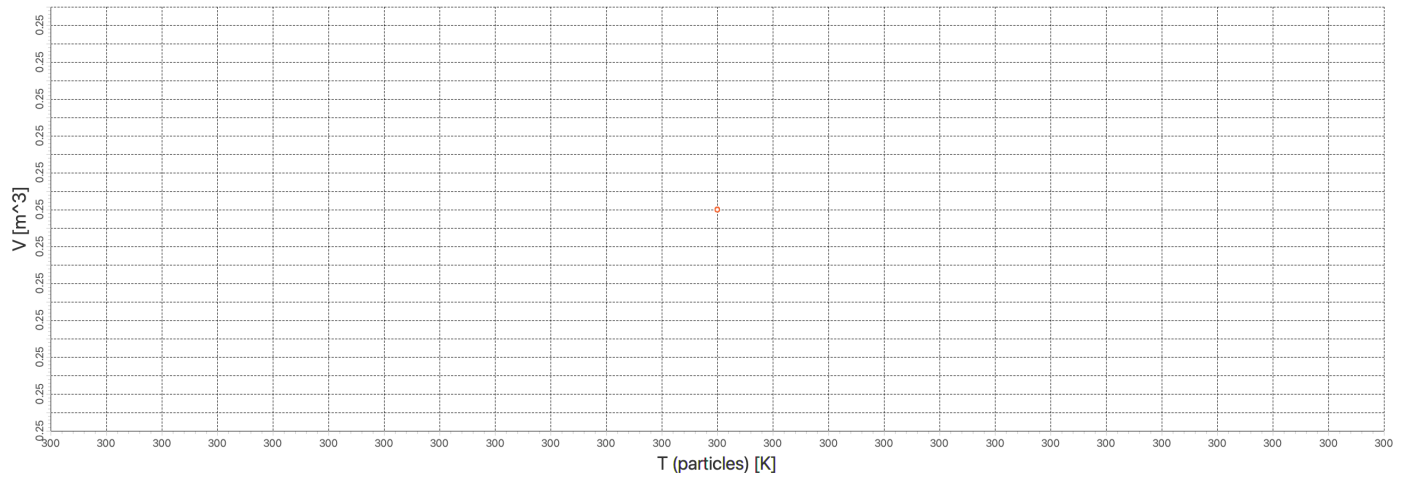
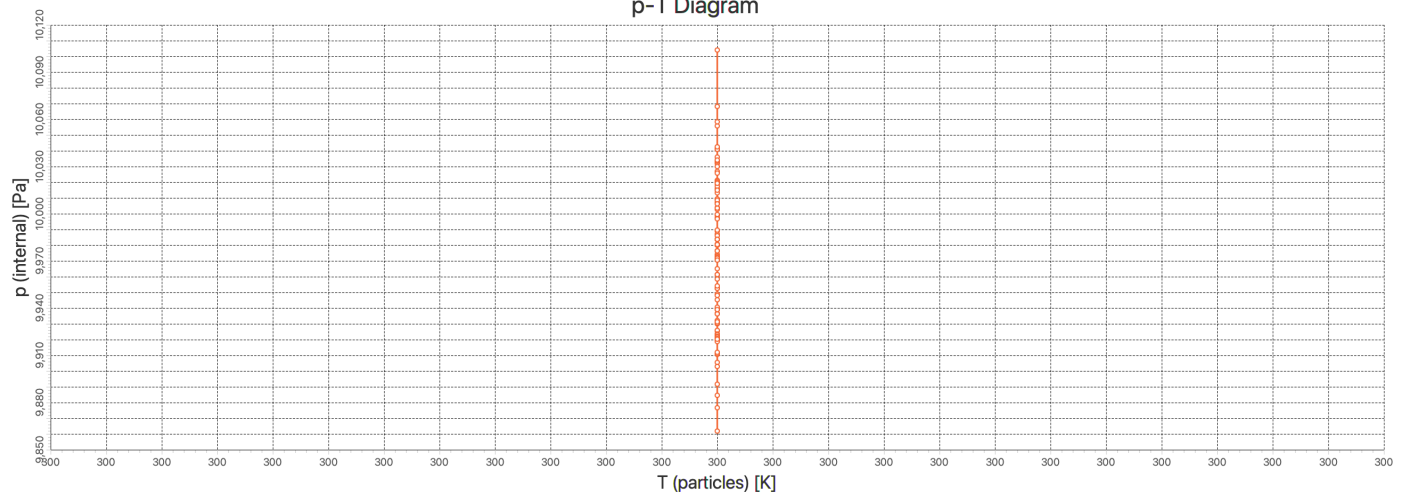


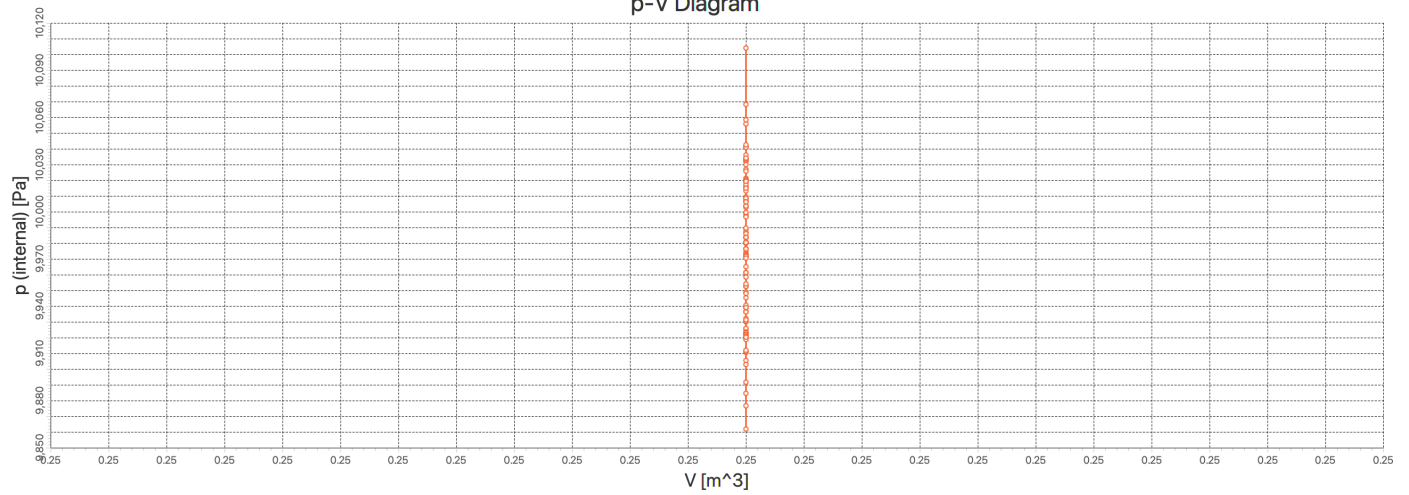
V-T Diagram



p-T Diagram



p-V Diagram



Total work considered for efficiency: 0.000 J

Total heat considered for efficiency: 0.000 J

Efficiency (Work/Heat): NaN

End of stage 1: Constant energy and volume (end of experiment)

Current Time [s]: 1.000

Avg Temperature Particles [K]: 300.000

Volume [m³]: 0.250

Internal pressure [Pa]: 9992.652

External pressure [Pa]: 9976.800

Total Energy [J]: 3741.508

Total Work (by System) [J]: 0.000

Total recorded work [J]: 0.000

Work during current stage [J]: 0.000

Total Heat (into System) [J]: 0.000

Total recorded heat [J]: 0.000

Heat during current stage [J]: 0.000

pV/nRT : 1.002

#Carnot experiment file 2.0

#experimentFileTmp.txt

#Settings

Step size	: 0.00005
Animation fps	: 20
Reports per second	: 100
Number of moles	: 1.0
Number of particles	: 15000
Particle mass	: 28.0
Initial particle temperature	: 300.0
Particle heat exchange rate	: 100.0
Chamber width	: 1.0
Chamber height	: 1.0
Chamber depth	: 1.0
Piston mass	: 0.2
Initial heater temperature	: 9976.8

#Scheduler

scheduler name	: Constant energy and volume
scheduler duration	: 1.0
schedule piston?	: true
schedule heaters?	: true
schedule pressure?	: false
report heat?	: false
report work?	: false
piston mode	: 1
chamber volume	: 0.25
heater mode	: 0
heater temperature	: 300.0
heater rate	: 100.0
pressure mode	: 0
pressure	: 30000.0