

SimOps Thermal Report

Component: 00040000_fc21414ac8dd4a879b485b51

PASSED

Date: 2026-01-11 23:23

Thermal Metrics

Strategy:	Calculix
Ambient Temperature:	25.0 °C
Heat Source:	85.0 °C
Max Temperature:	358.15 K (85.00 °C)
Min Temperature:	298.15 K (25.00 °C)
Temperature Range (ΔT):	60.00 K
Elements:	9,000
Nodes:	2,591

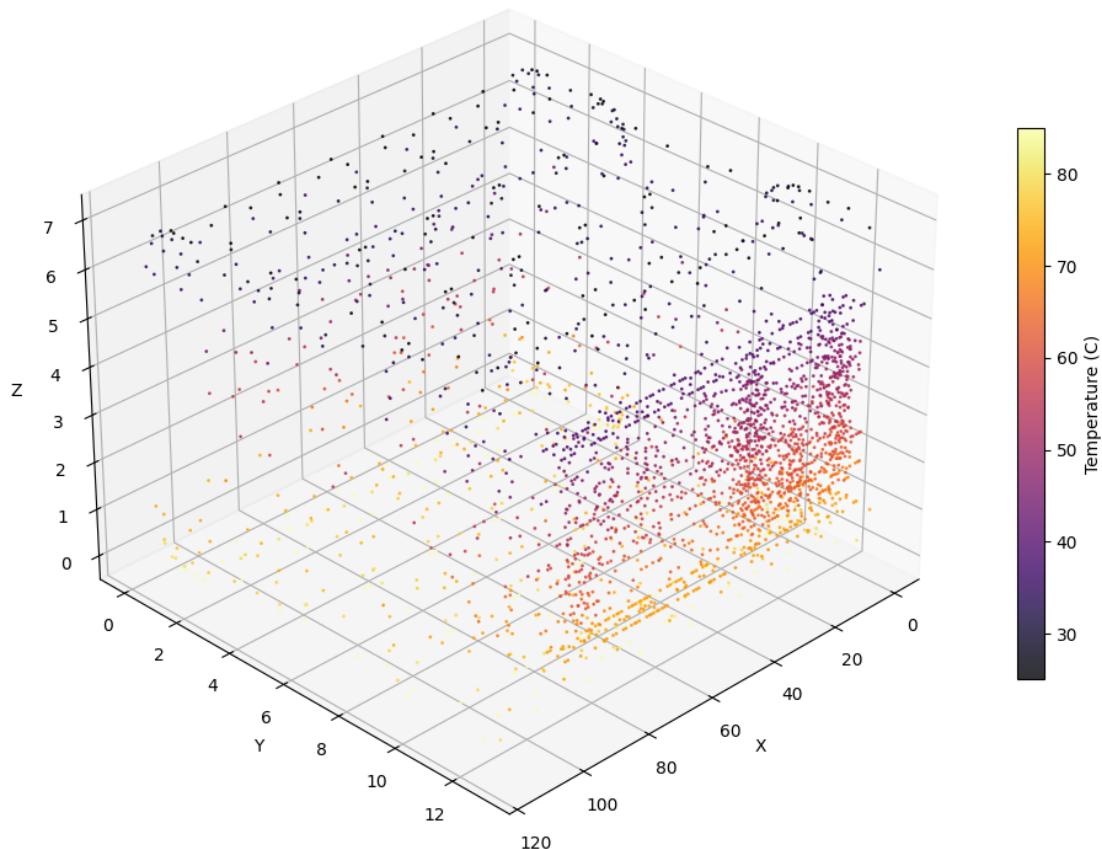
Validation

Range: PASS (298K-358K)
Gradient: PASS (dT=60K)

Material: Al6061

k: 167 W/mK
Cp: 896 J/kgK
Rho: 2700 kg/m³

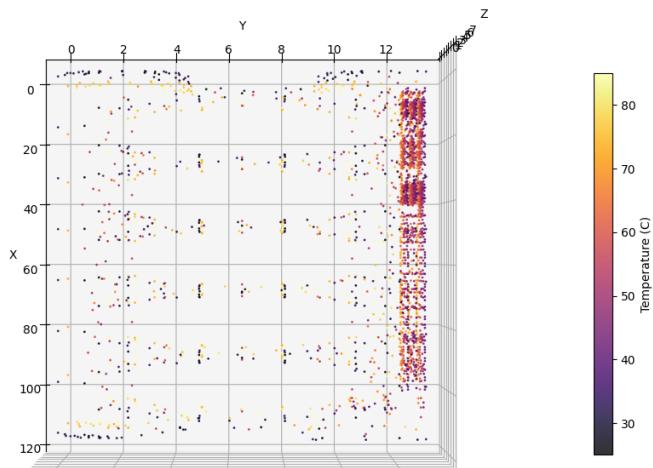
00040000_fc21414ac8dd4a879b485b51_step_001_mesh - Iso



Transient Response & Additional Views

00040000_fc21414ac8dd4a879b485b51_step_001_mesh_top

00040000_fc21414ac8dd4a879b485b51_step_001_mesh - Top



00040000_fc21414ac8dd4a879b485b51_step_001_mesh_side

00040000_fc21414ac8dd4a879b485b51_step_001_mesh - Side

