SimOps Thermal Report

Component: Airfoil_mesh

Date: 2026-01-11 23:23

<div style="border:1px solid green; color:green;">**PASSED**</div>

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:	210,010
Nodes:	49,830

Validation

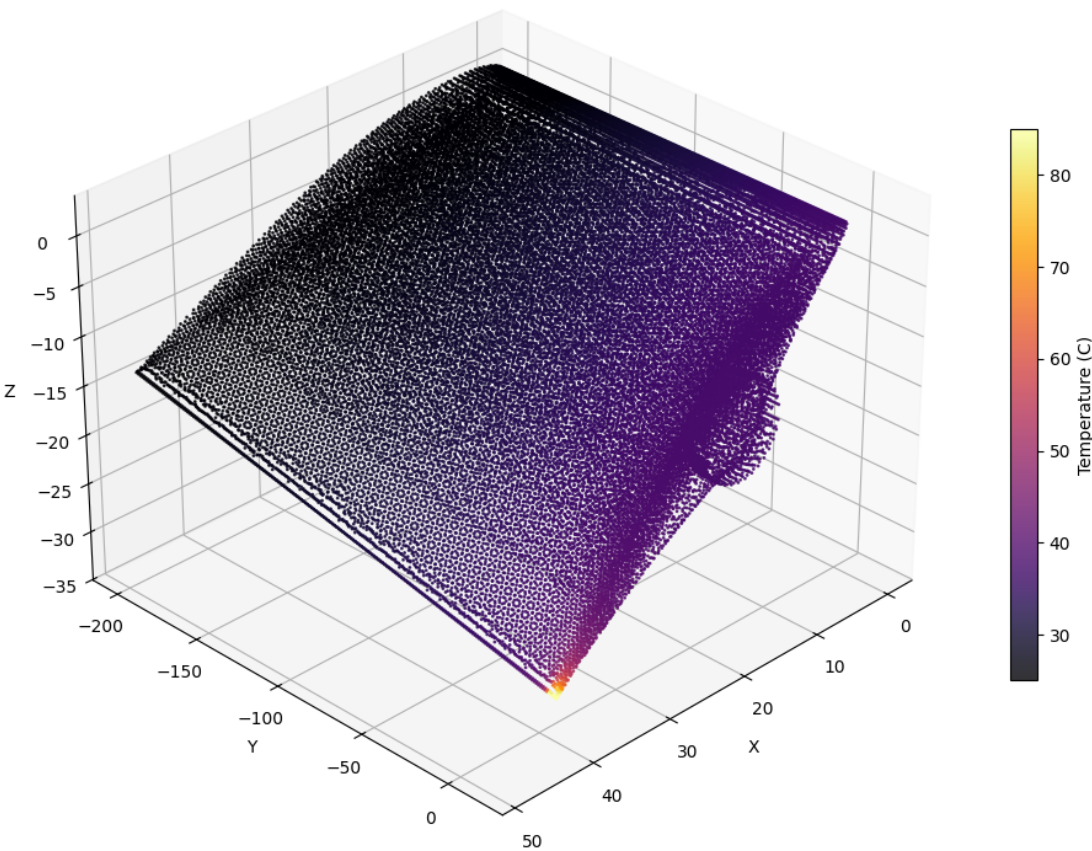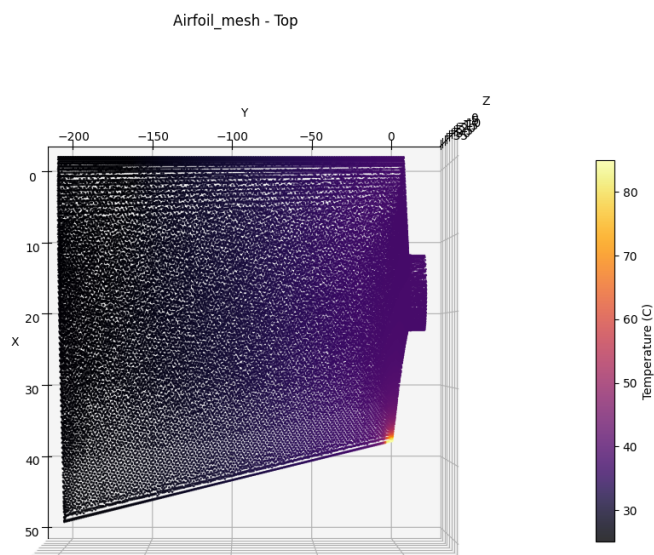|	
Range:	PASS (298K-358K)
Gradient:	PASS (dT=60K)

Material: Al6061

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

Airfoil_mesh - Iso

Transient Response & Additional Views

Airfoil_mesh_top

Airfoil_mesh - Top

Airfoil_mesh_side

Airfoil_mesh - Side