

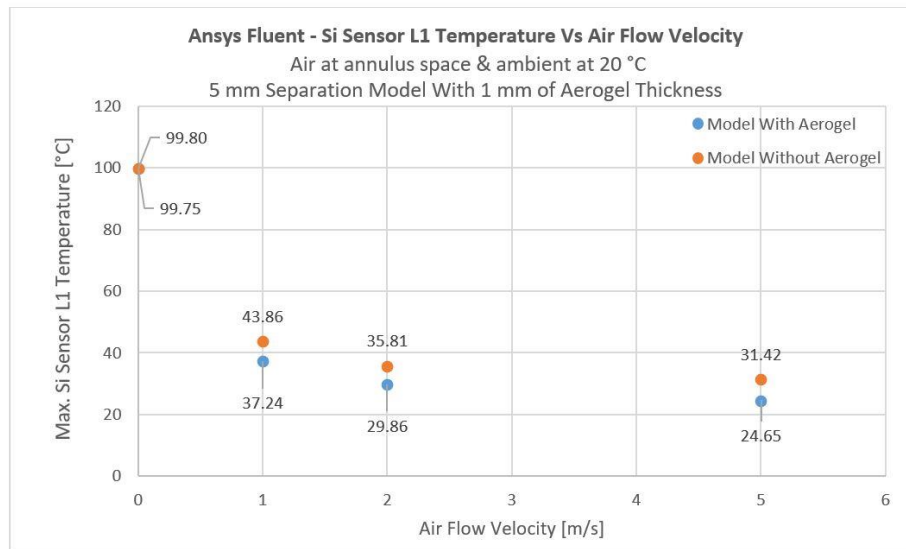
DSG Ansys R&D Meeting

Date: March 2, 2023

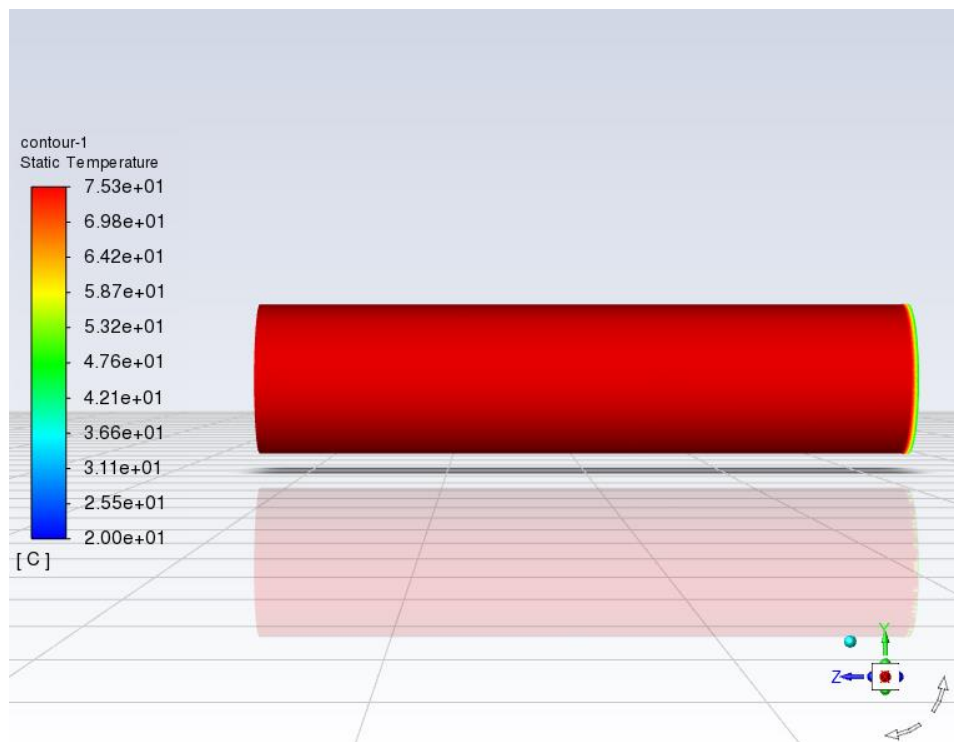
Time: 2:00 PM – 3:00 PM

Attendees: Aaron Brown, Pablo Campero, Brian Eng, Marc McMullen, and Tyler Lemon

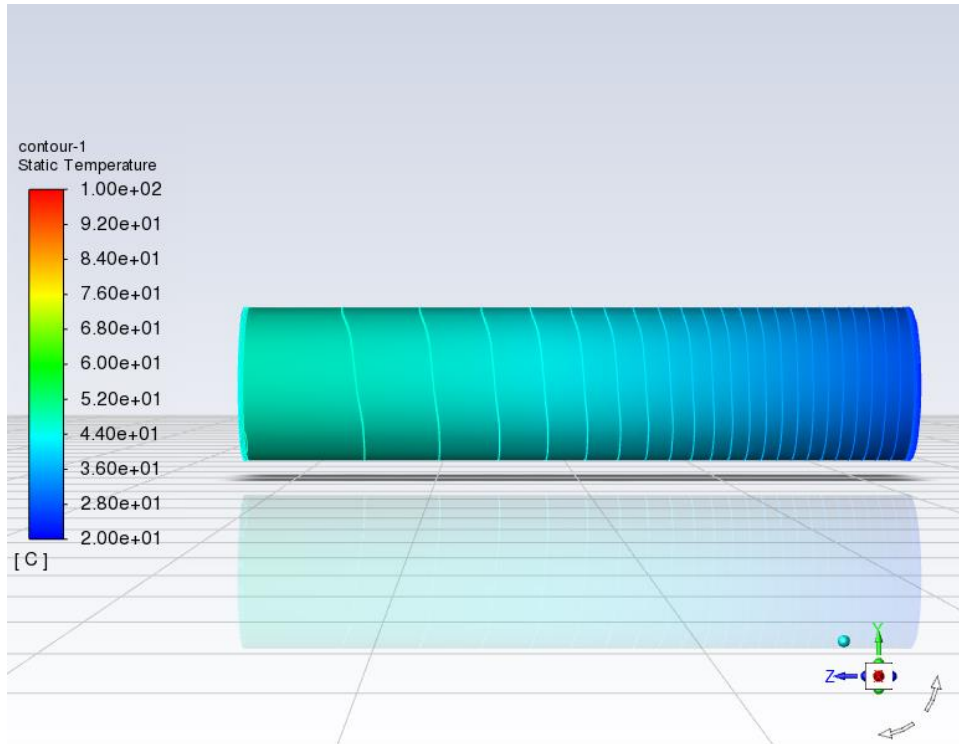
1. Discussed results of thermal simulation with 5 mm between beam pipe and silicon sensor layer 1 with only 1 mm of aerogel insulation



Plot of results at various air flow velocities with and without aerogel.



Right side view of silicon sensor layer with air flow velocity of 1×10^{-7} m/s (effectively no air flow)



Right side view of silicon sensor layer with air flow velocity of 1 m/s