Data layout:

xGrid\_locations, yGrid\_locations, zGrid\_locations:

Single arrays of unique xyz values, respectively. Use these values to create a mesh grid for temperature gradient.

timeavg\_right\_plume:

Upwind/x dimension positions, Crosswind/y dimension positions, Elevation/z dimension positions, time average temperature (Celsius, average of 20 s at 1000Hz)

Right\_gradient:

Mesh grid of spatial gradient values. Should be reshaped to size [18 14 8].