

Free Stream Velocity 1 m/s - Yaw angle 0°

Pathlines/Surface Static Pressure

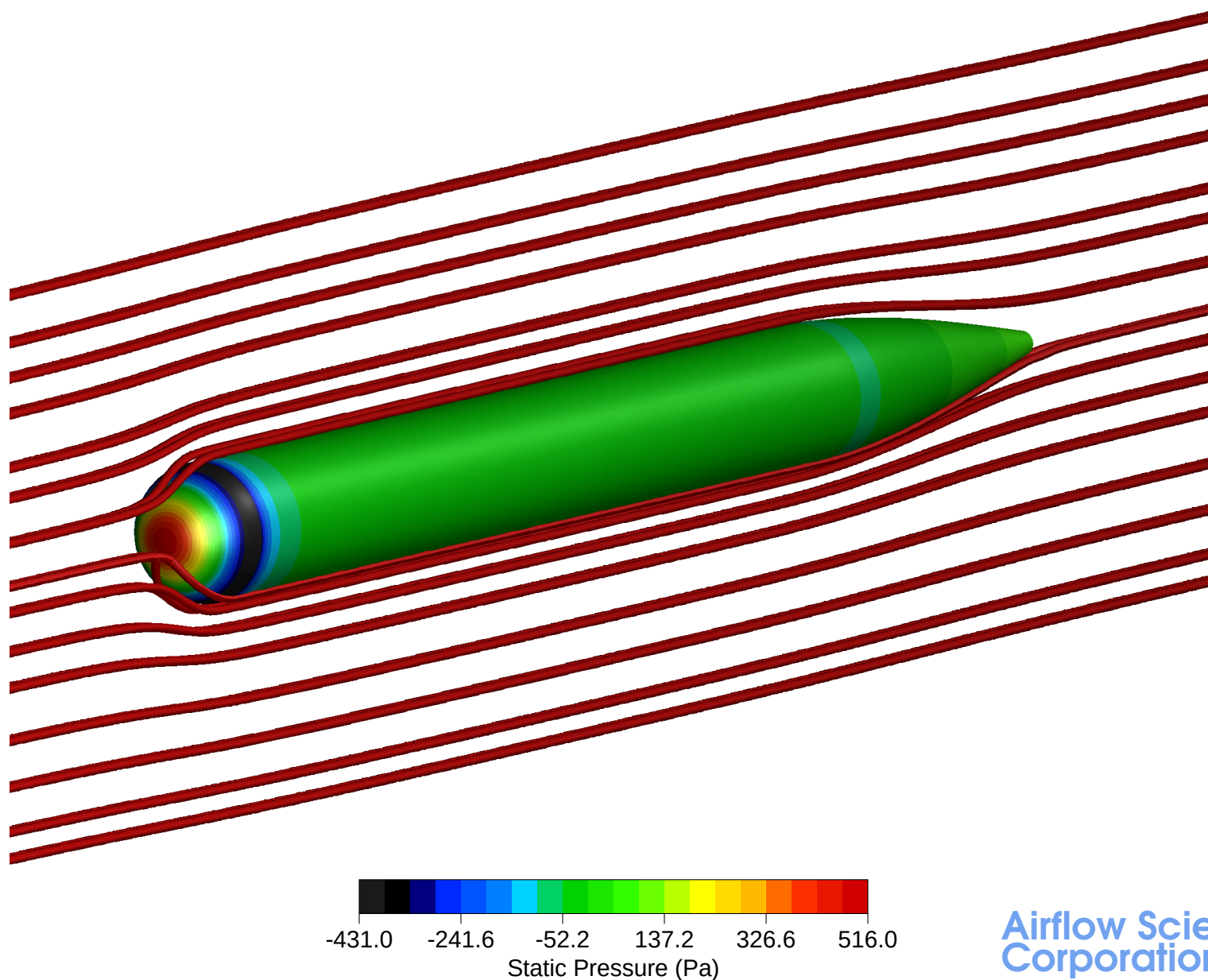
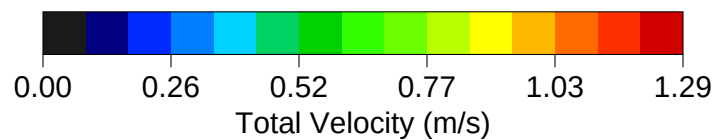
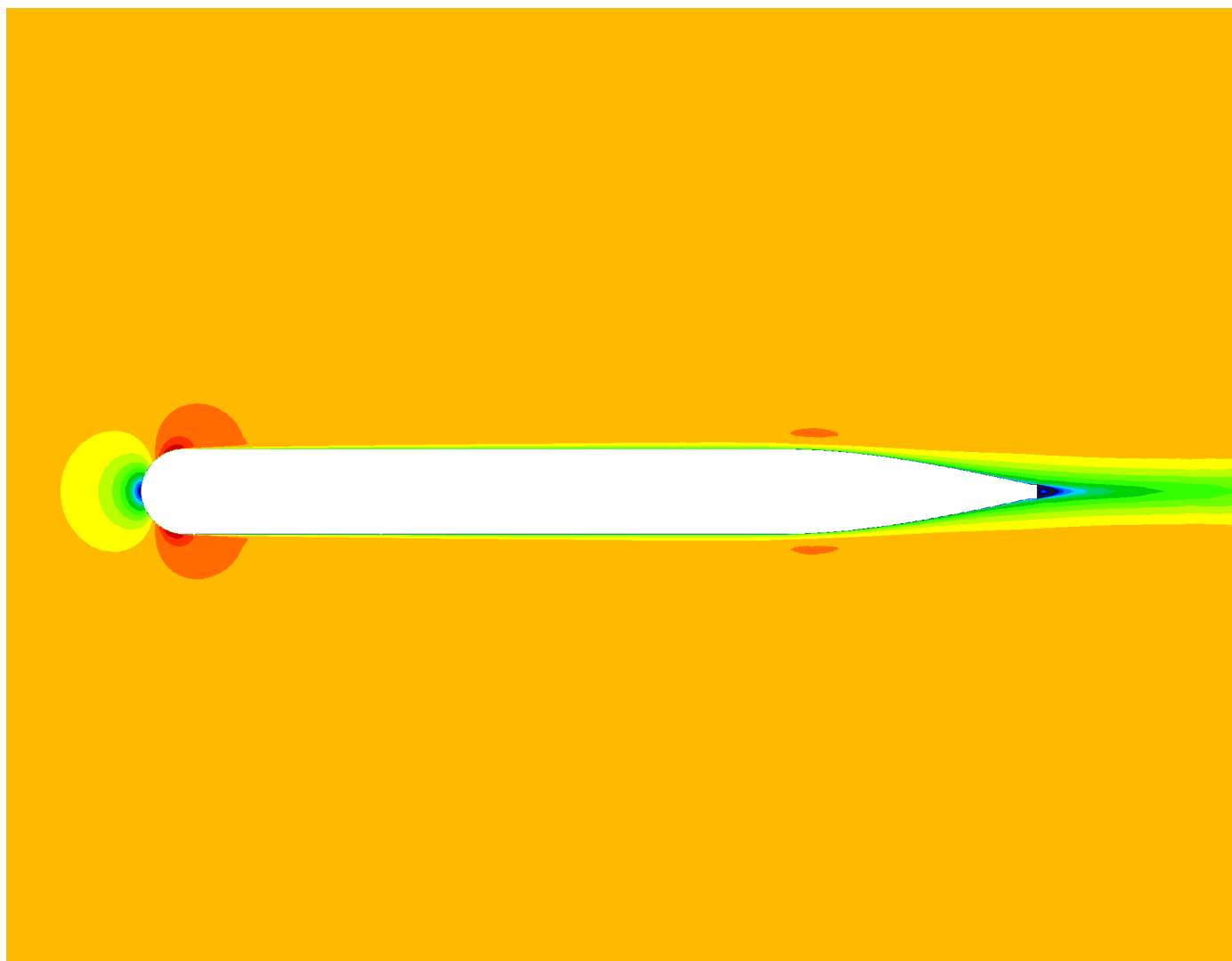


Figure 1

Free Stream Velocity 1 m/s - Yaw angle 0°

Total Velocity

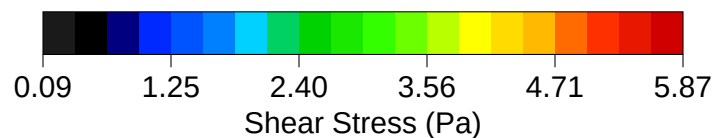


Free Stream Velocity 1 m/s - Yaw angle 0°

Vehicle Surface Shear Stress

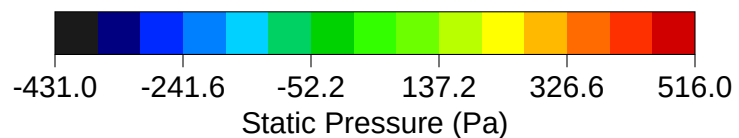
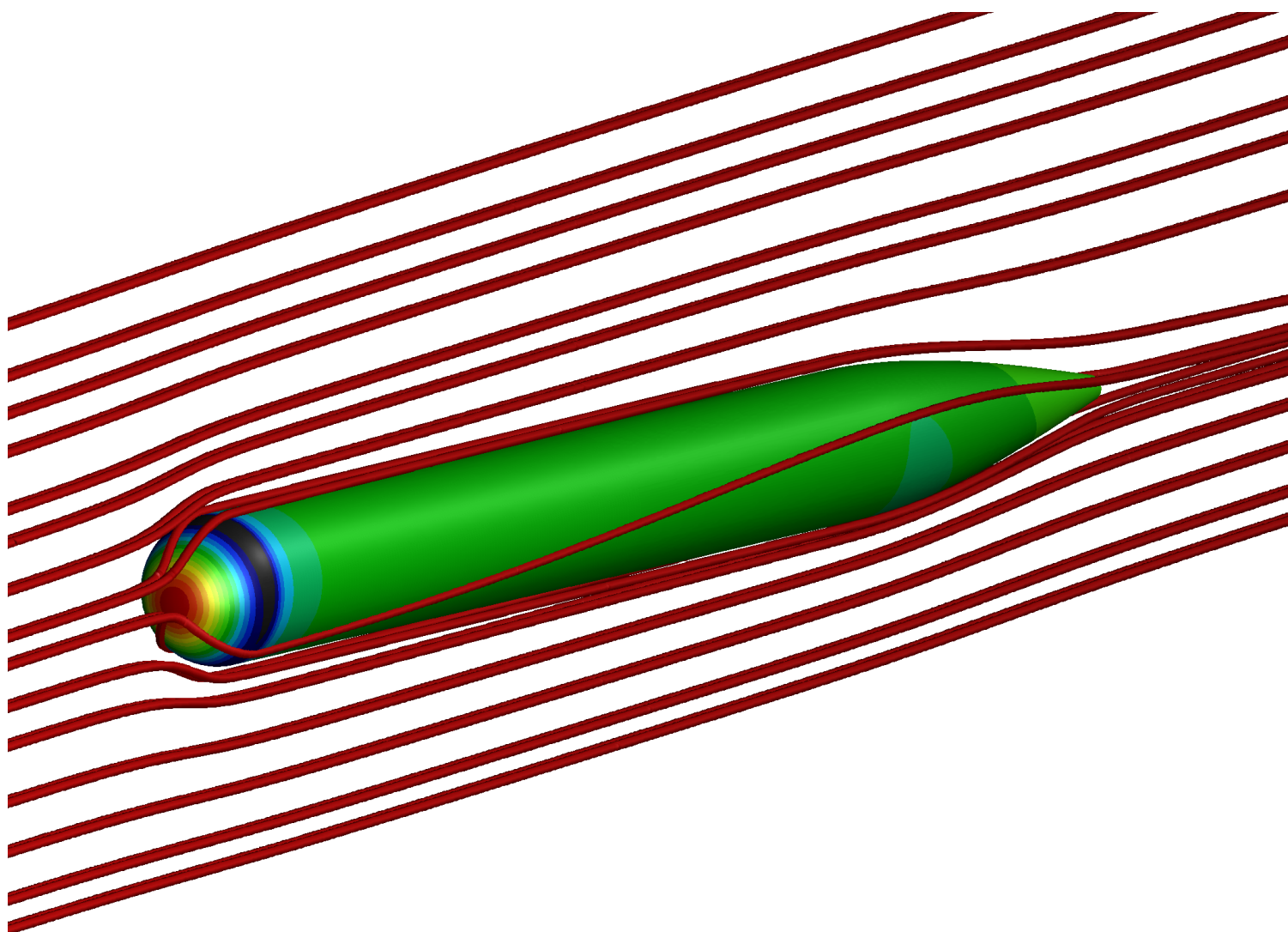


Total Surface Drag Force 6.14 Newtons
Total Surface Lift Force 0.00 Newtons
Moment about nose 0.0 n-m



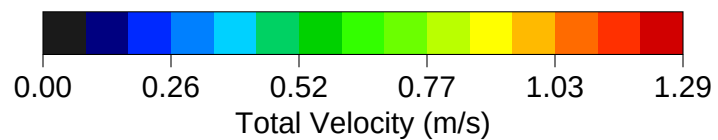
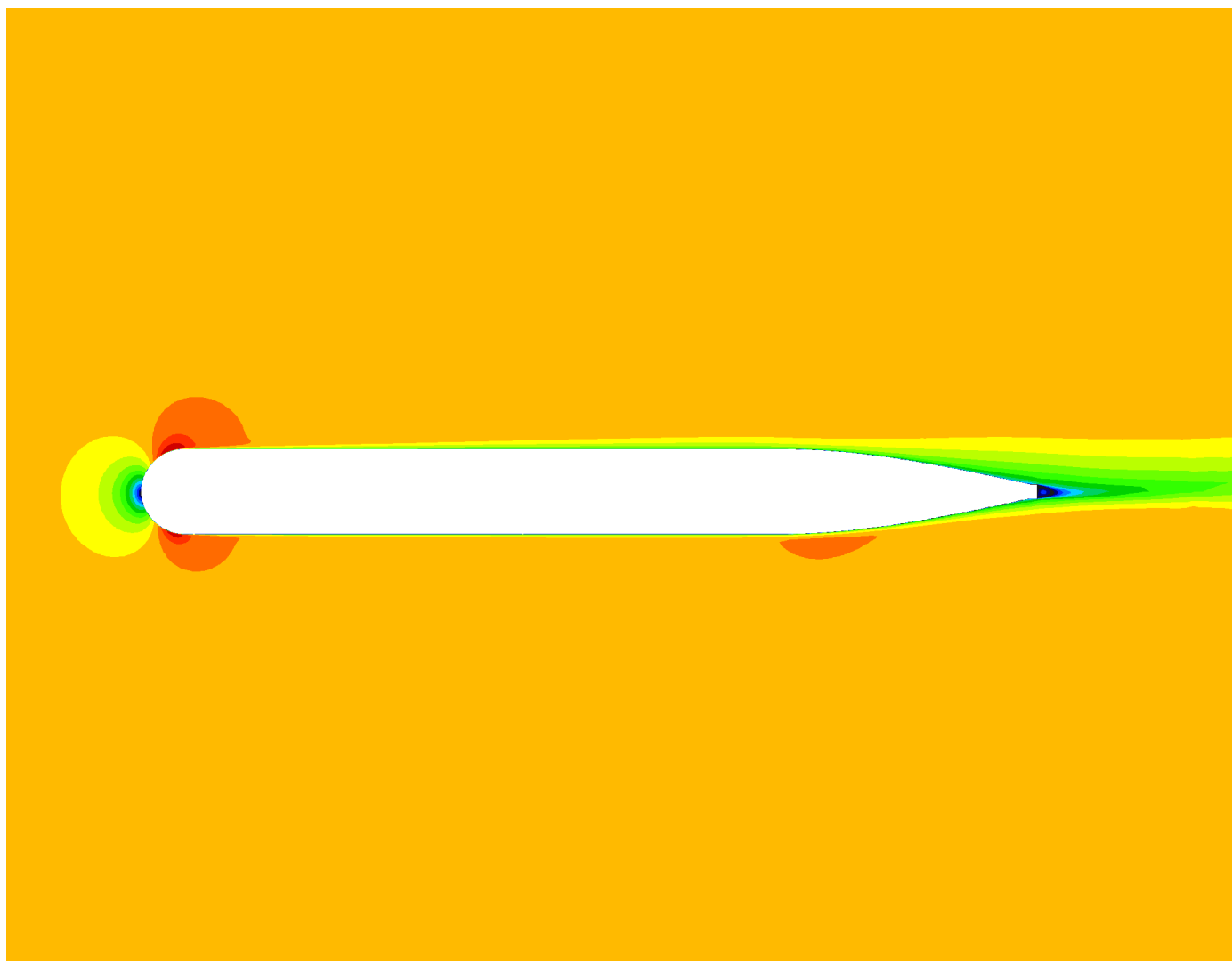
Free Stream Velocity 1 m/s - Yaw angle 3°

Pathlines/Surface Static Pressure



Free Stream Velocity 1 m/s - Yaw angle 3°

Total Velocity



Free Stream Velocity 1 m/s - Yaw angle 3°

Vehicle Surface Shear Stress



Total Surface Drag Force 6.18 Newtons
Total Surface Lift Force 0.12 Newtons
Moment about nose 43.26 n-m

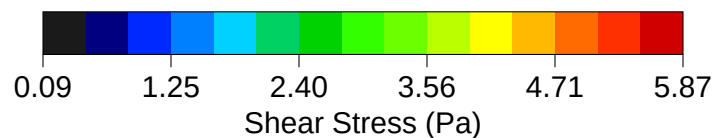
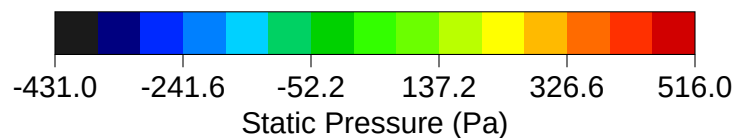
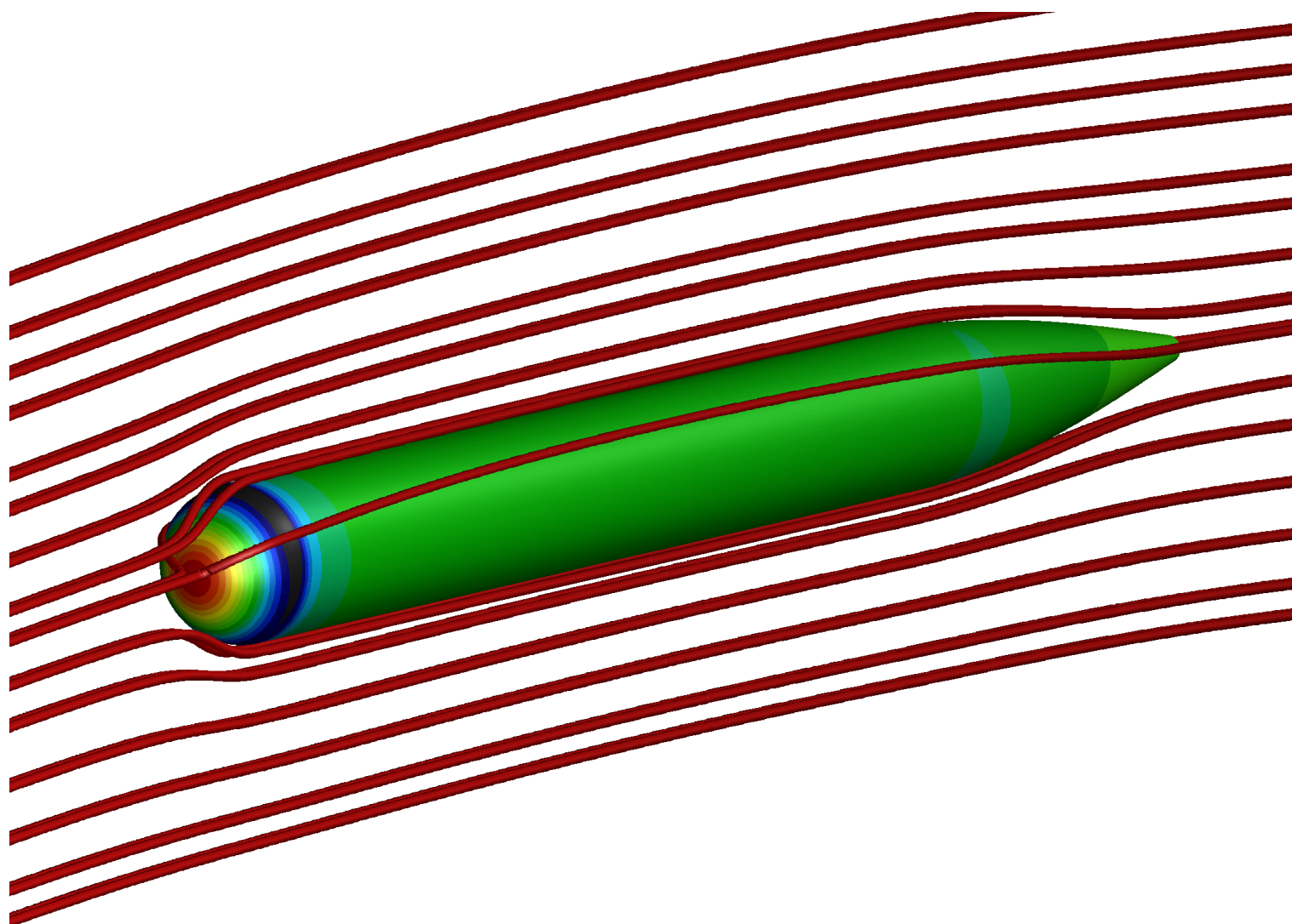


Figure 6

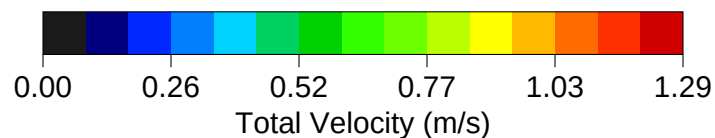
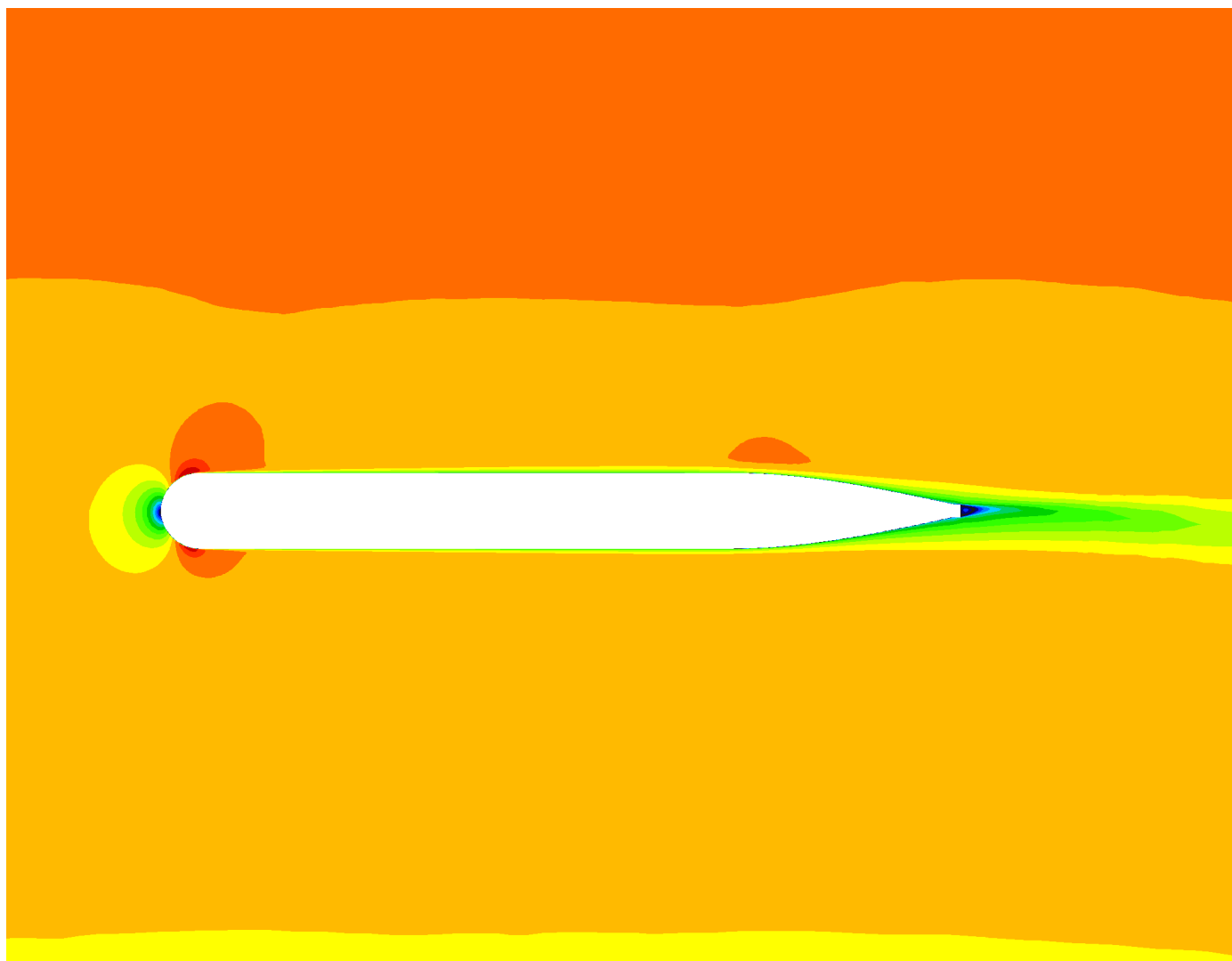
Free Stream Velocity 1 m/s - Rotational Arm 30 meters

Pathlines/Surface Static Pressure



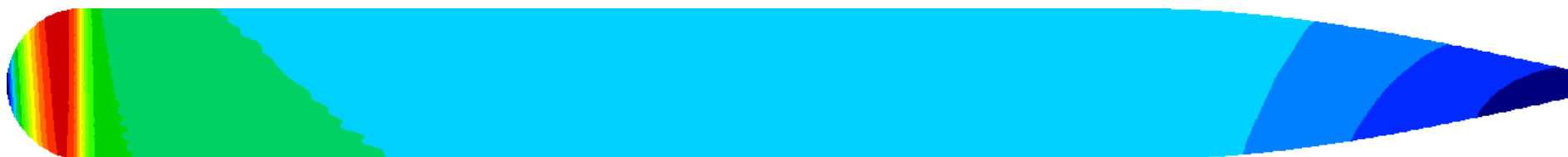
Free Stream Velocity 1 m/s - Rotational Arm 30 meters

Total Velocity



Free Stream Velocity 1 m/s - Rotational Arm 30 meters

Vehicle Surface Shear Stress



Total Surface Drag Force 6.09 Newtons
Total Surface Lift Force 1.21 Newtons (Radially Inward)
Moment about nose 40.12 n-m (Clockwise)

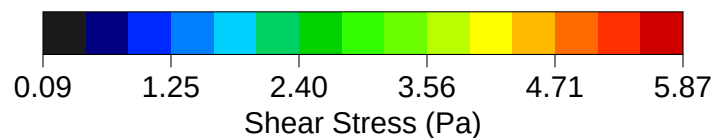


Figure 9