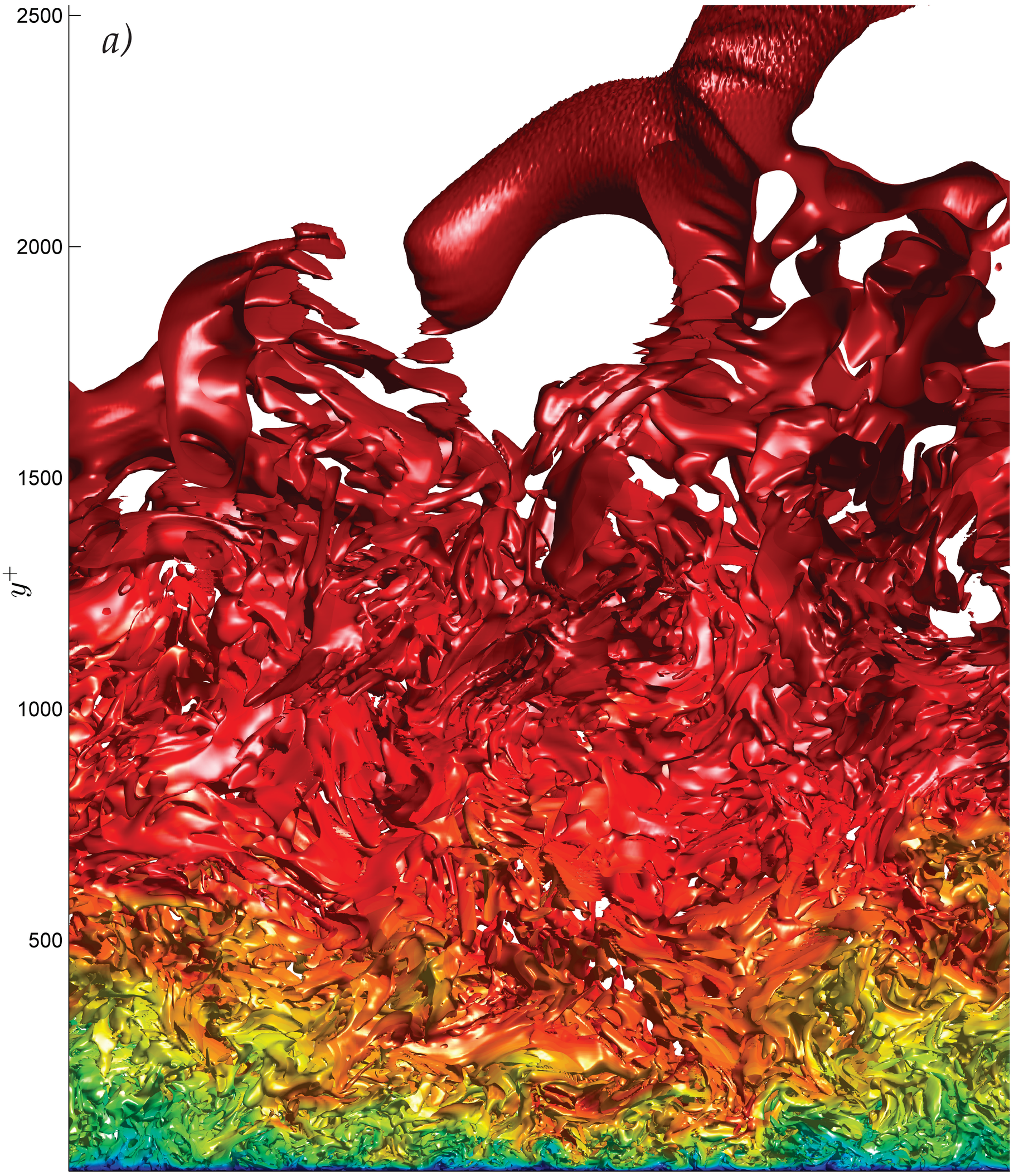
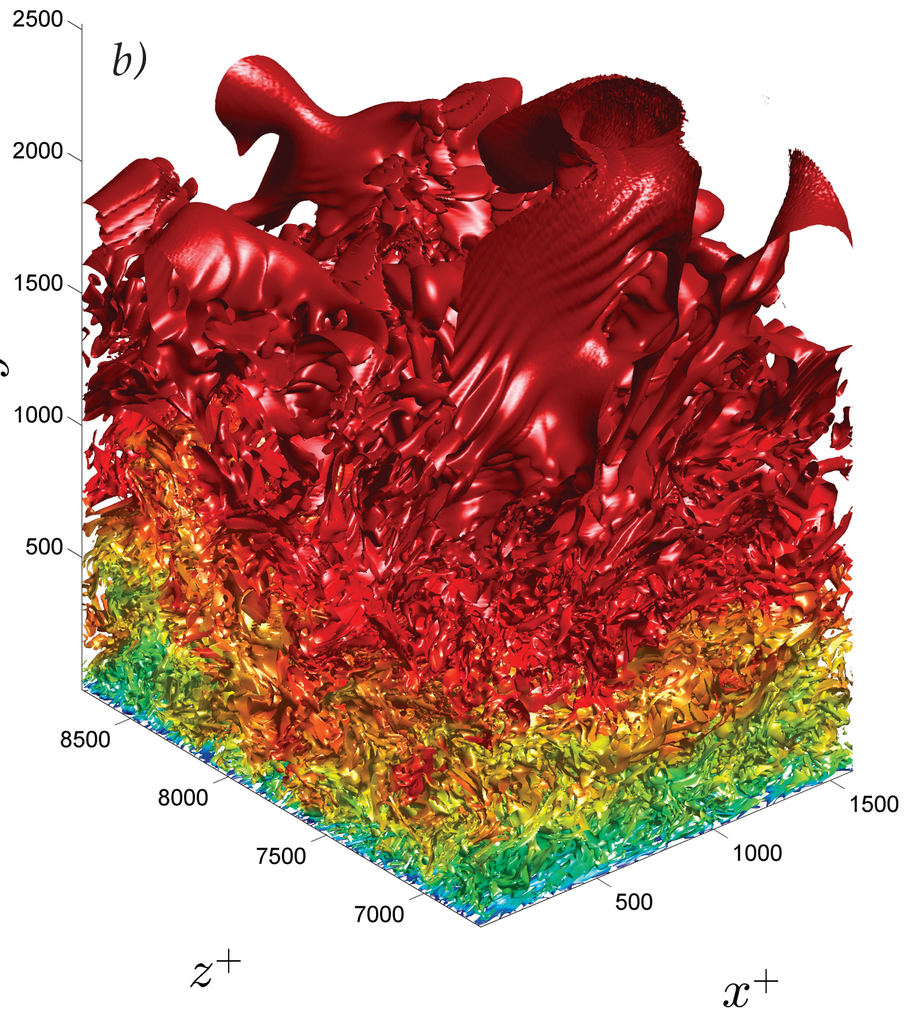
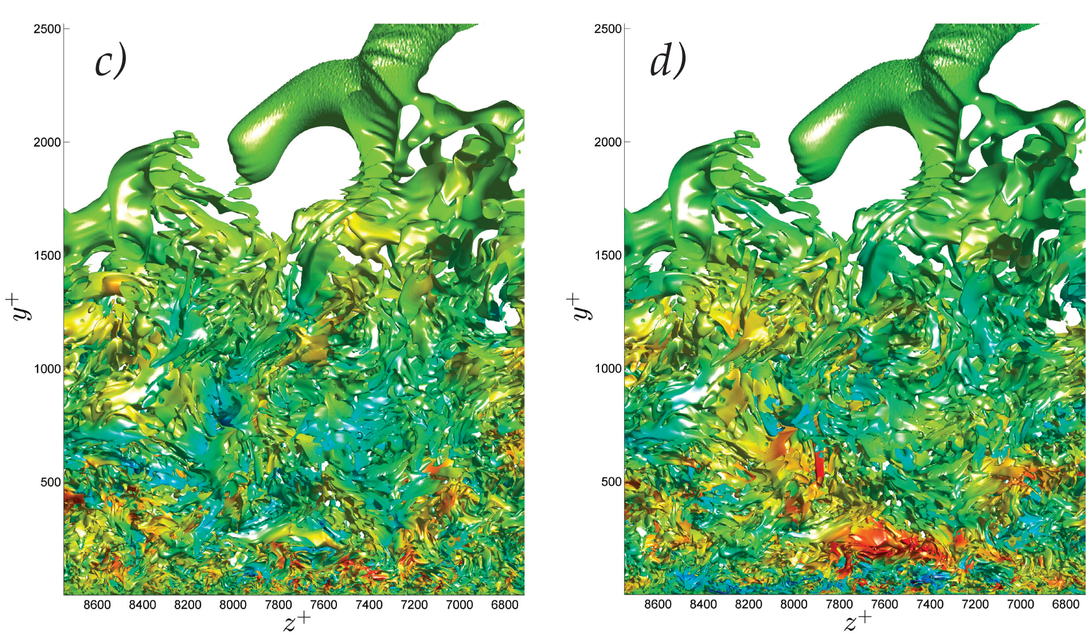
Q Criterion Isosurface Visualizatons of a Zero-Pressure-Gradient Turbulent Boundary Layer







$u/u_{max} = 0$ $u/u_{max} = 1$

Q criterion isosurface visualizations of direct numerical simulation of a zero-pressure-gradient turbulent boundary layer flow at $Re_\theta = 5200$ by the Universidad Politécnica de Madrid Fluid Dynamics Group. Isosurfaces of $Q = 0$ for *a)* a streamwise view colored by normalized local streamwise velocity, *b)* an isometric view colored by normalized local streamwise velocity, *c)* a streamwise view colored by normalized local wall-normal velocity, *d)* a streamwise view of a *Q* criterion isosurface colored by normalized local spanwise velocity.

Bryan Kaiser, 2014