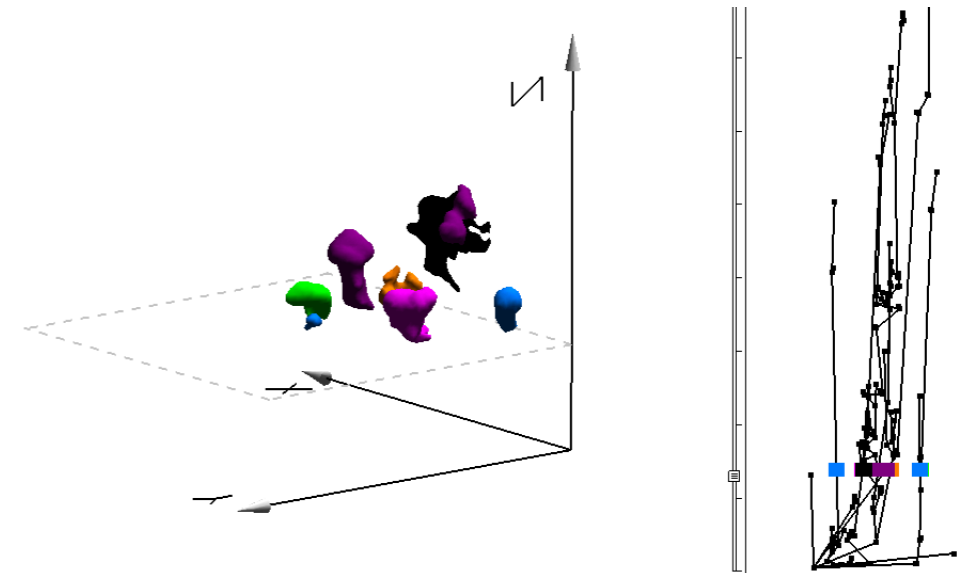
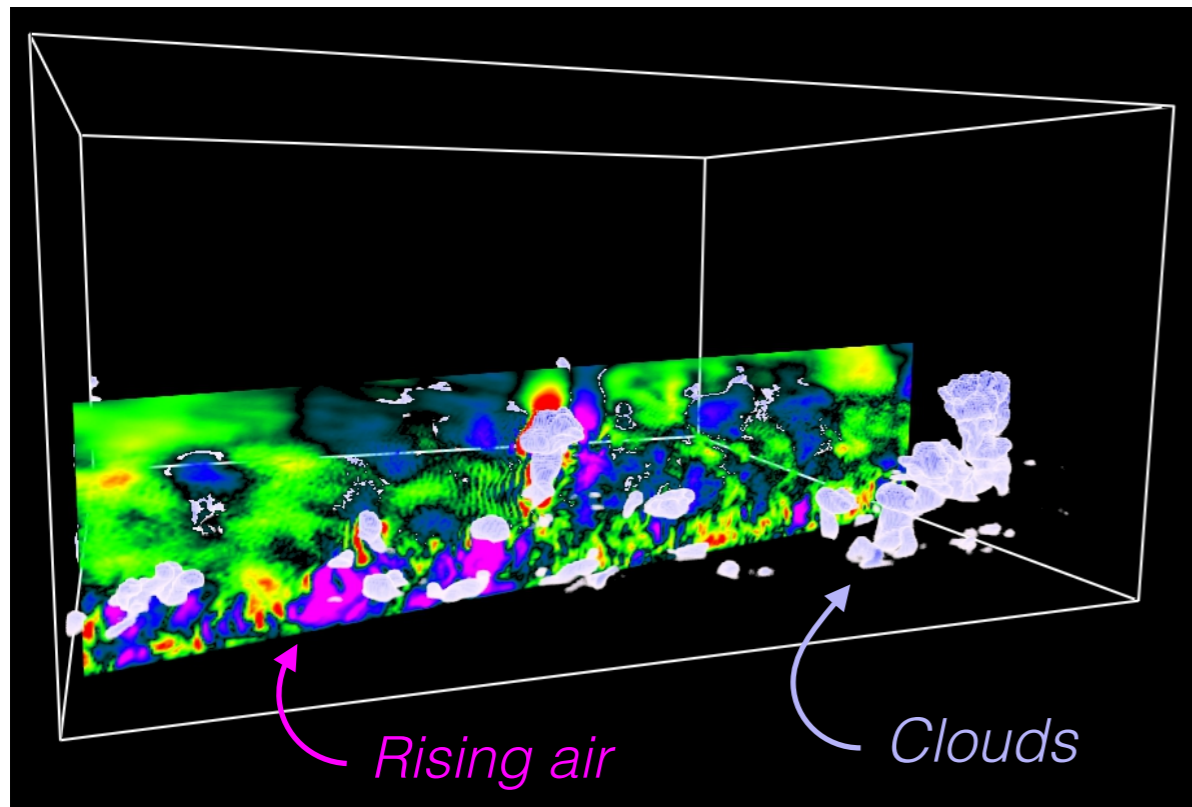
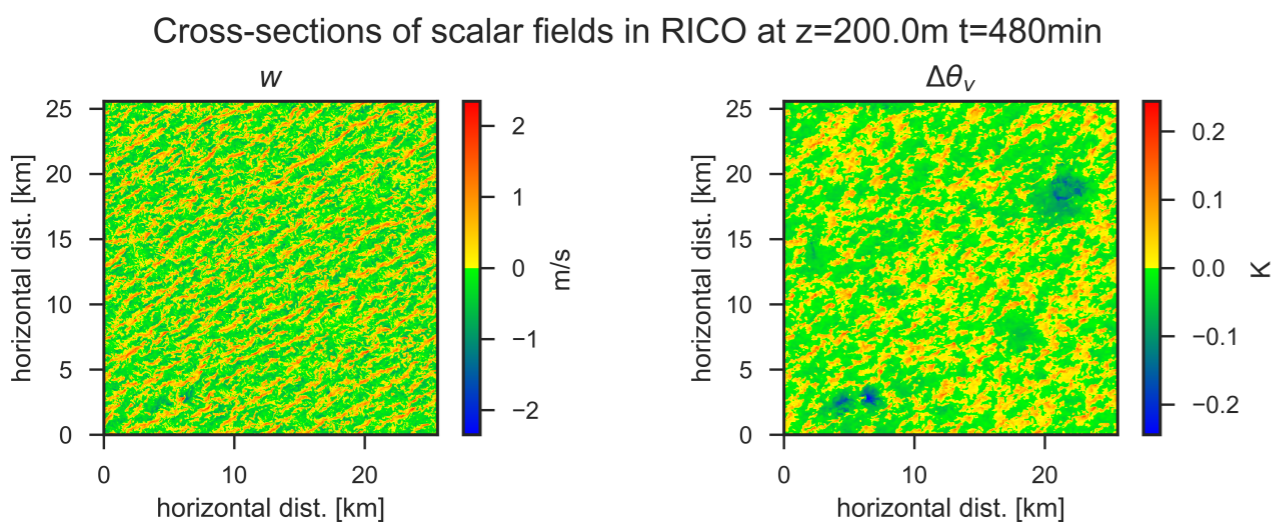
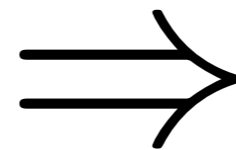


Topological analysis of convective clouds

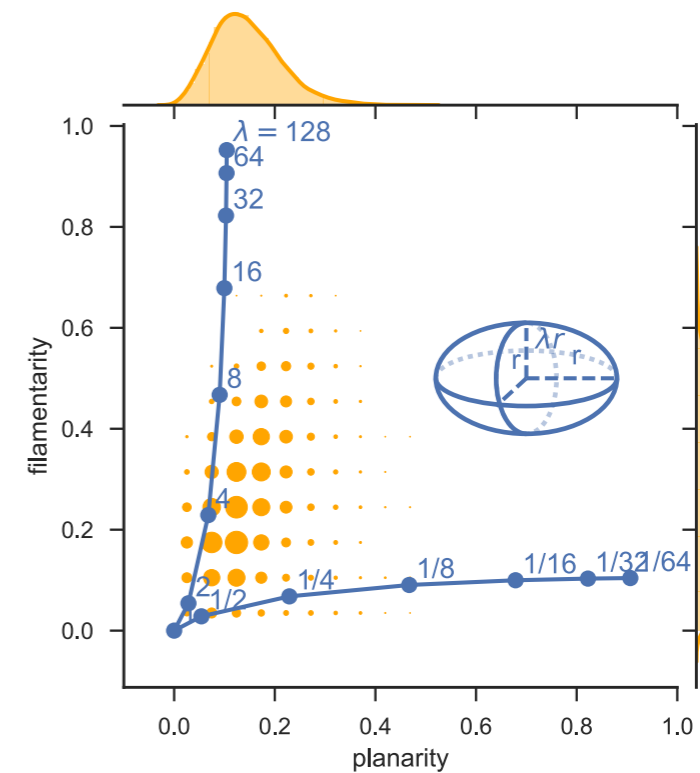
Quantifying the extent of structure coherence in the boundary layer



Studying topology using contour-trees



Buoyant elements in boundary-layer show varying structure



Quantifying topology by filamentary and planarity (via Minkowski functionals)