

1077-AB-2388

Christopher K R T Jones* (ckrtj@email.unc.edu), Department of Mathematics, UNC-CH, Chapel Hill, NC 27516-3250. *Lagrangian Dynamics and the incorporation of data into ocean models.*

Over the past decade or so, there have been considerable advances in understanding ocean flows through the structure of their fluid particle (or Lagrangian) dynamics. The question discussed here is how this might change the way data are collected and how such data are incorporated into the ocean models. (Received September 22, 2011)