OSU-NOPP: Data Assimilating Coastal Ocean Model

wind

observed velocity

with assimilation

modeled (no data)

1998

- Land-based radar velocities assimilated into a primitive equation ocean circulation model
- Velocity correlations between observations and the data-assimilating model substantially improved over a model with no assimilation
- Data-assimilating model surface temperature maps capture observed broadening of upwelling region over Heceta Bank

Oke, Allen, Miller, Egbert, Kosro