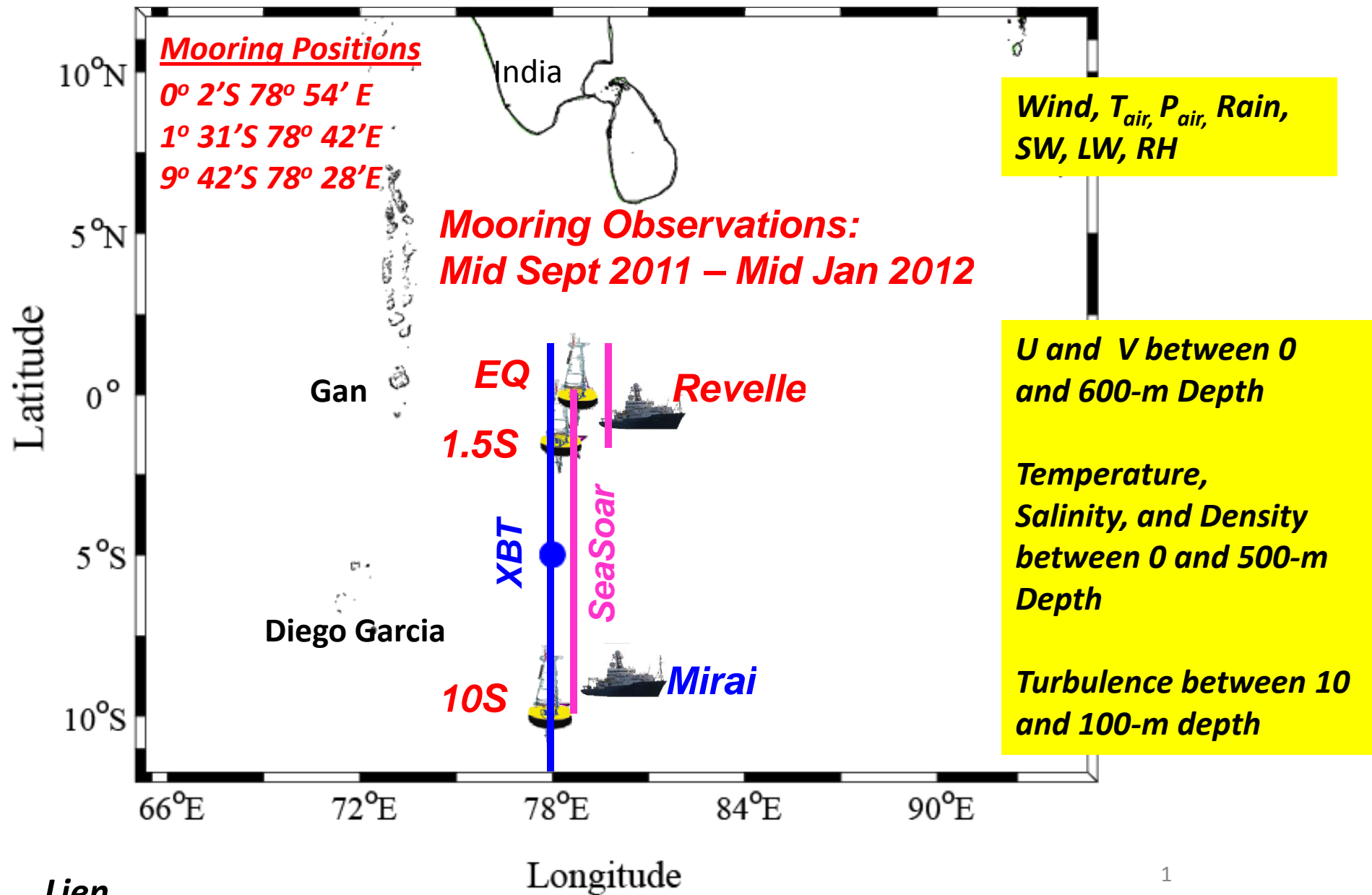
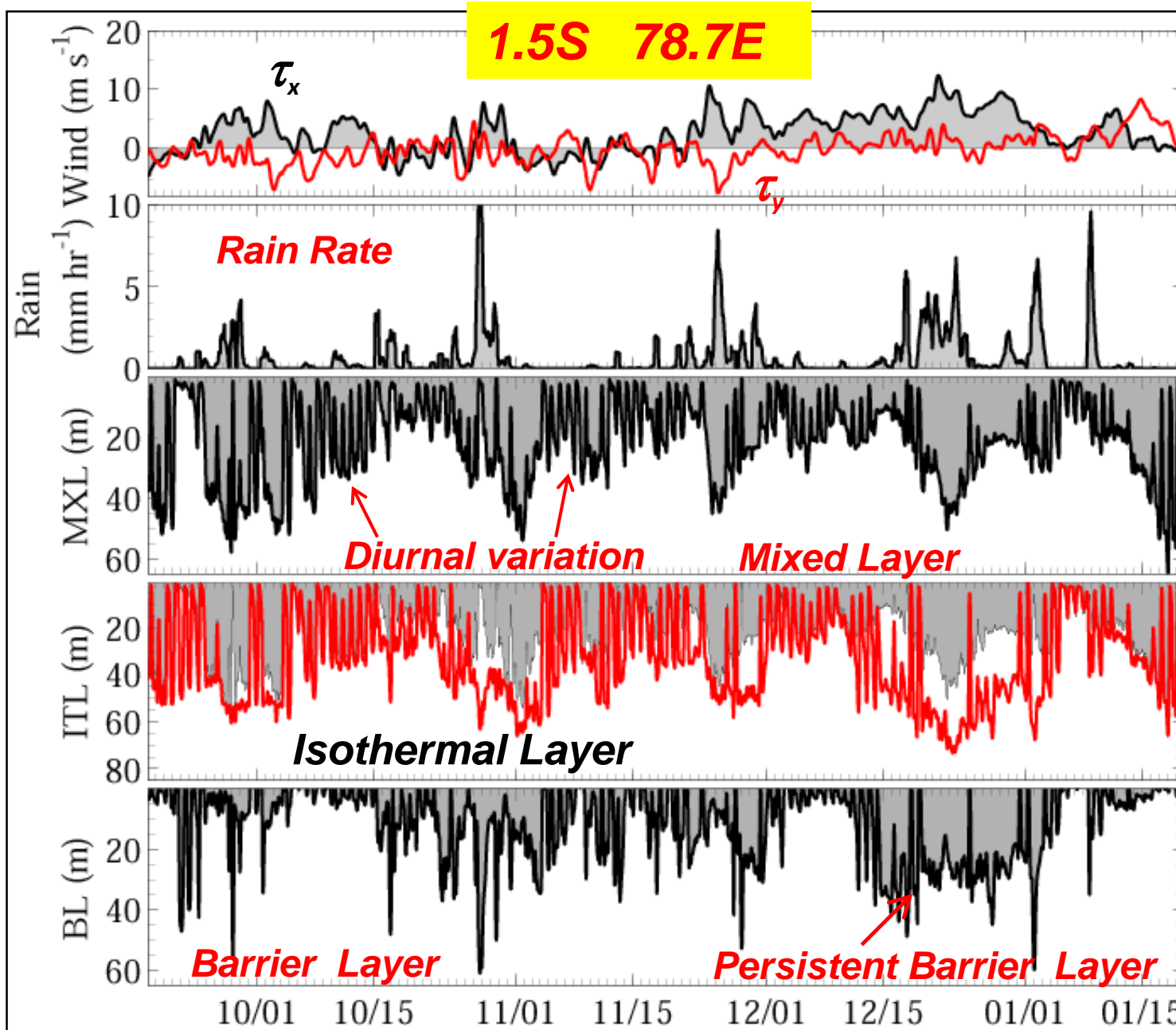


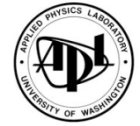
DYNAMO Mooring Observations





Surface Mixed Layer and Barrier Layer

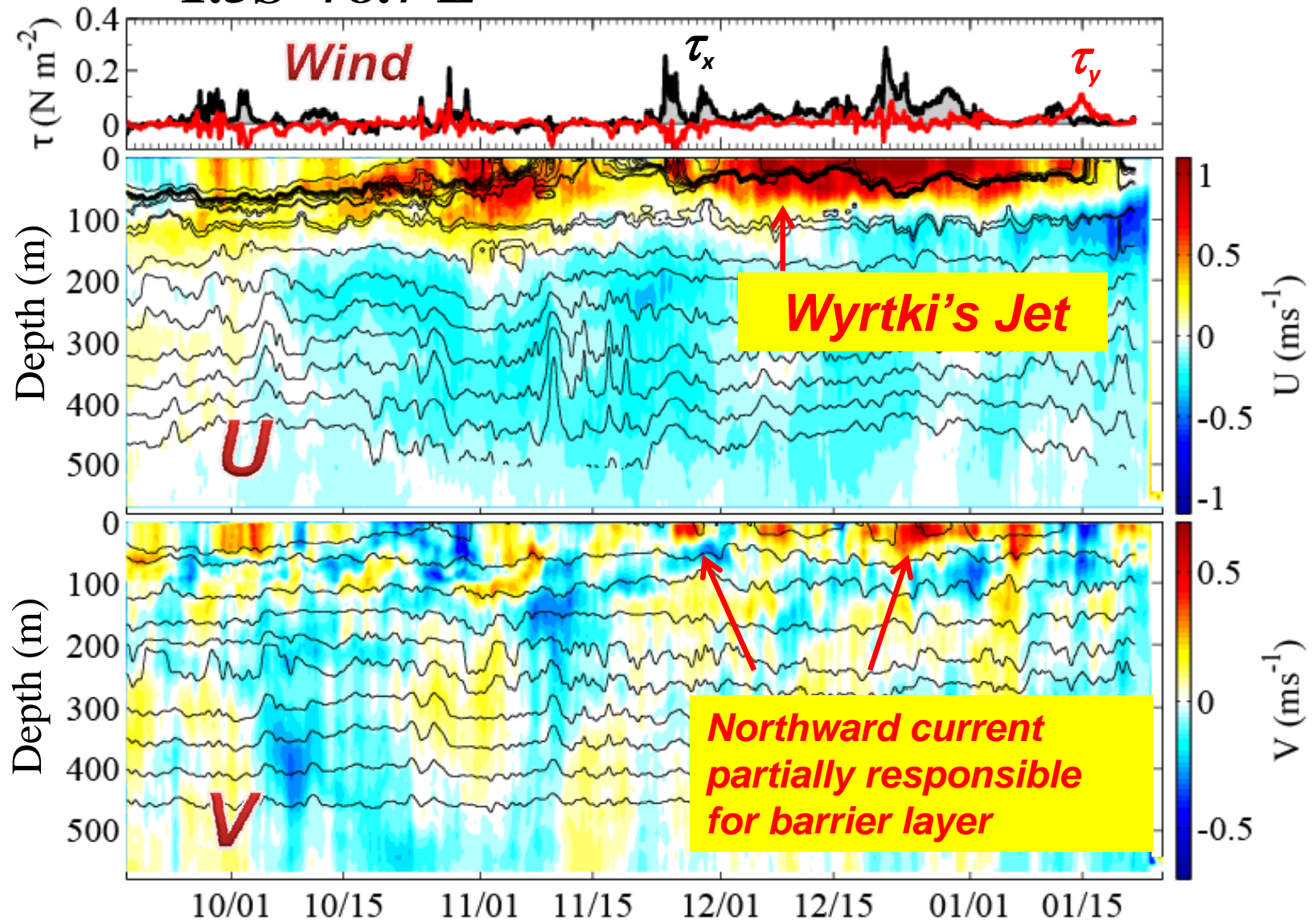




Upper Ocean Current Variation

1.5S 78.7 E

D2





Salinity Budget: Mixing+ Precip + Advection



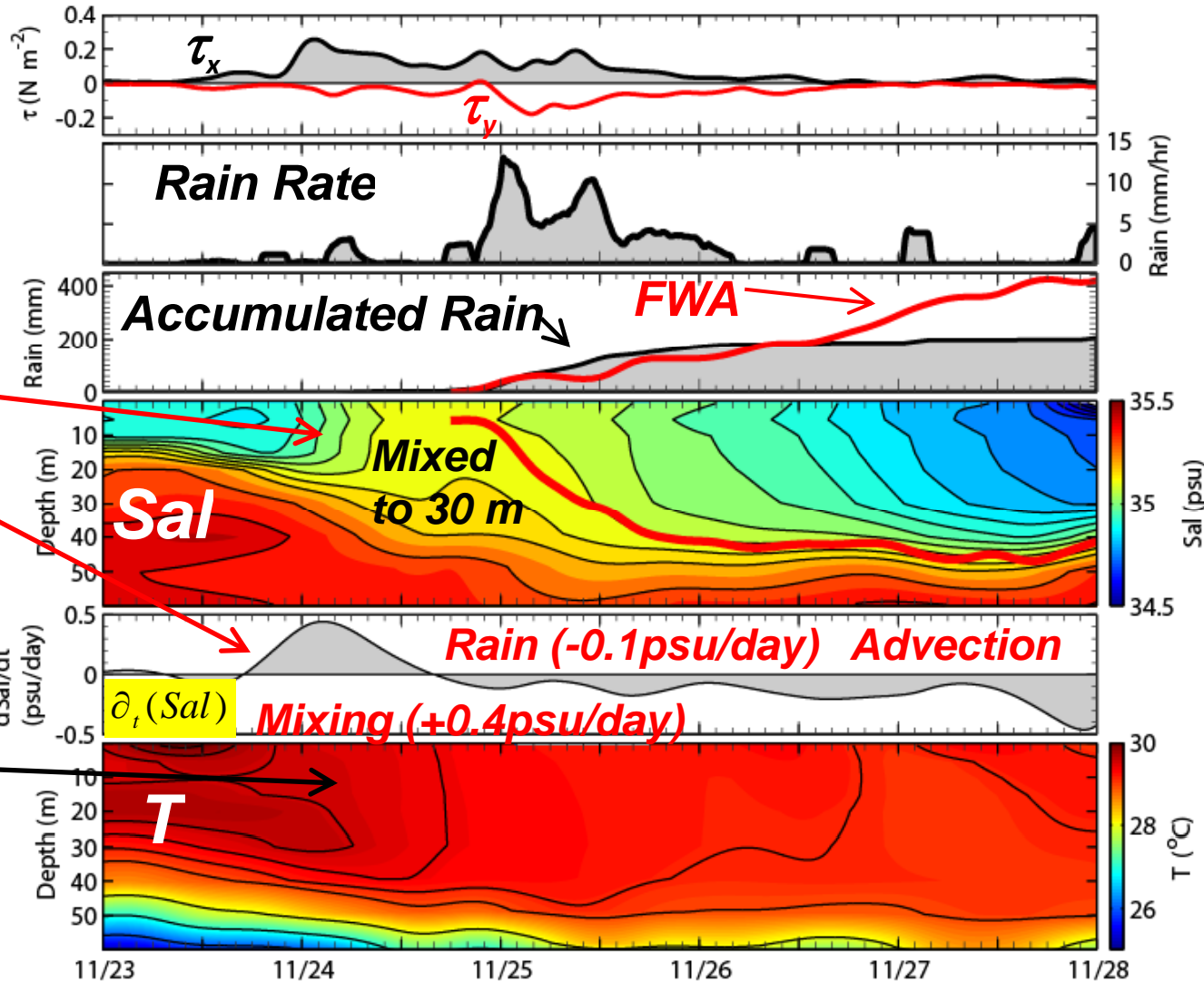
Salinity Budget

$$\partial_t S = -\bar{u} \cdot \nabla S + K \nabla^2 S + \frac{E - P}{D_{MXL}}$$

Fresh Water Anomaly (FWA)

$$FWA = L \left(1 - \frac{1}{L} \int_0^L \frac{S}{S_*} dz \right) \quad L = \text{depth of } S_*$$

1.5S 78.5E



$dS/dt > 0$
Salt Entrain.

$dT/dt < 0$
Cold Entrain.

Lien