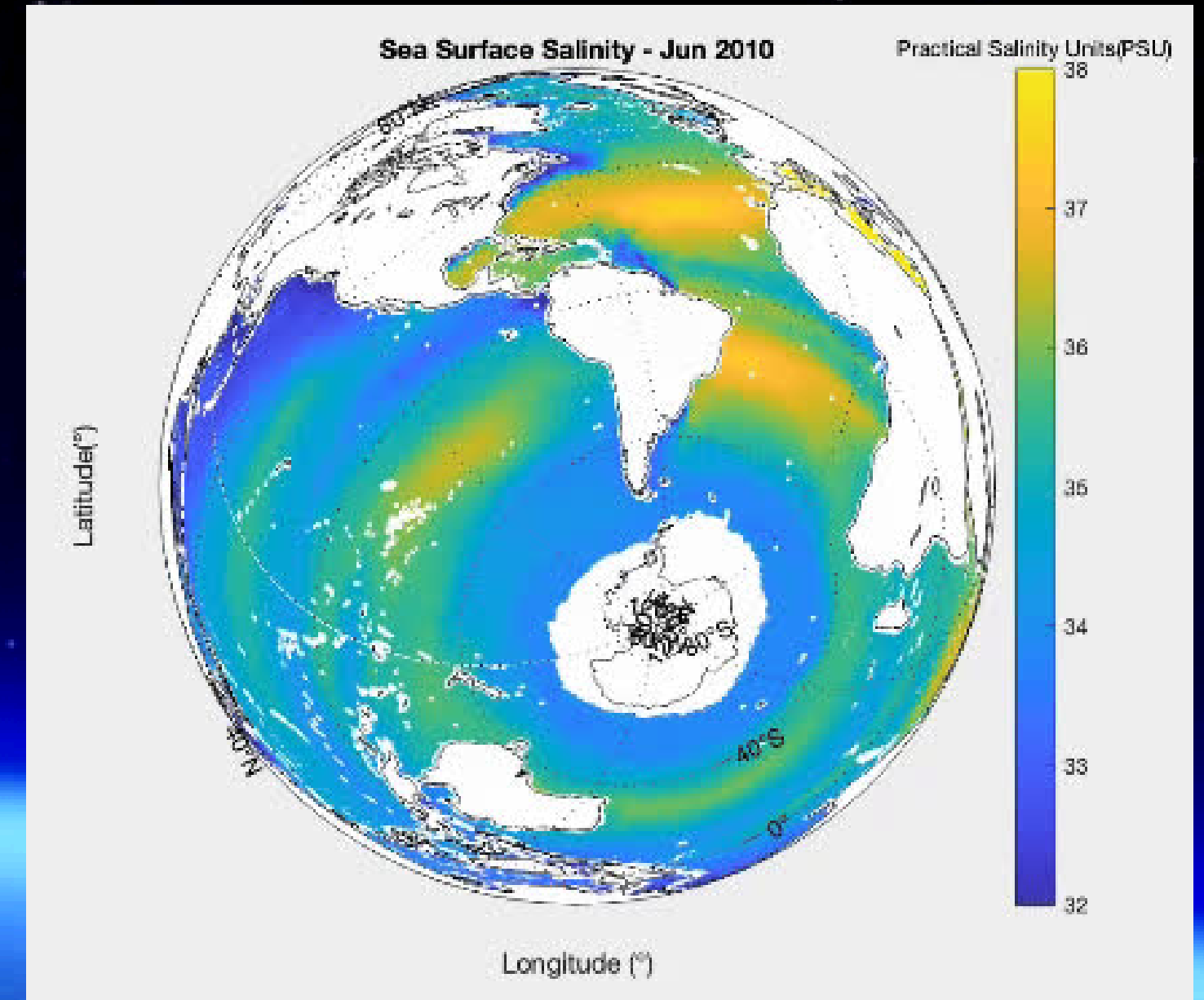


# DATASET 1: SEA SURFACE SALINITY

## Trends: Winter → Summer

- Increasing salinity in some regions, particularly Atlantic.
- Decreasing salinity in polar regions due to ice melt.
- Tropical areas shows higher salinity, polar regions have lower salinity due to freshwater input from melting ice.



**Figure 1:** Sea Surface Salinity (SSS) Animation – June 2010 – Global SSS distribution in PSU across longitude and latitude.