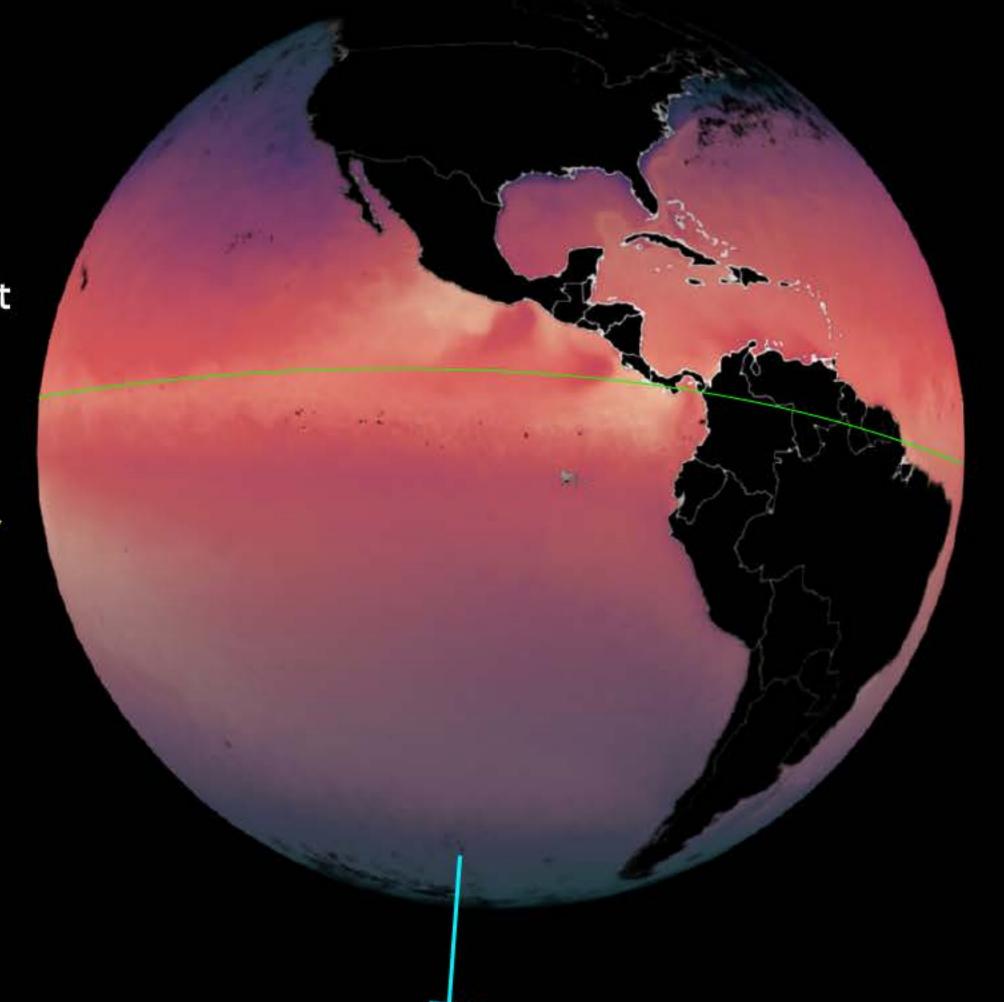
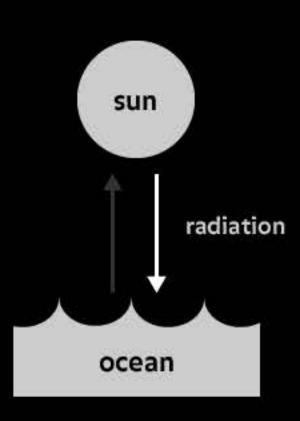
The ocean receives most of its heat along the equator from incoming direct radiation from the sun.



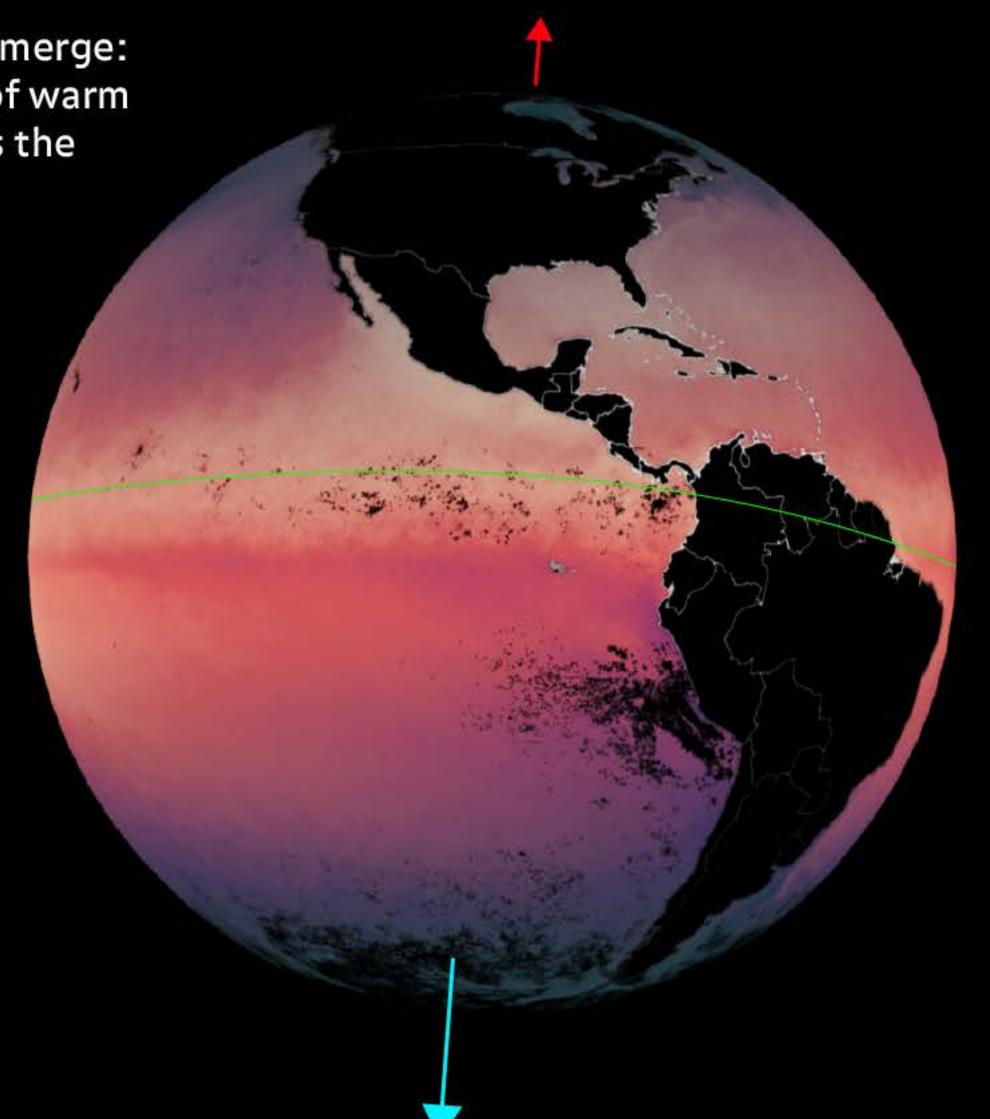


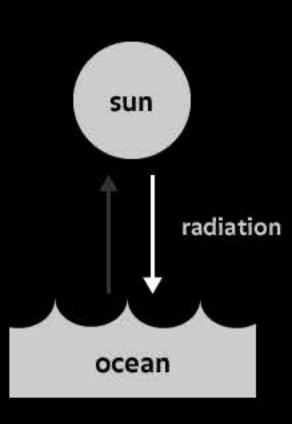
Sea surface temperature

cooler hotter



Over time, seasonal patterns emerge: due to the Earth's tilt, a band of warm water shifts north and south as the Earth revolves around the sun.

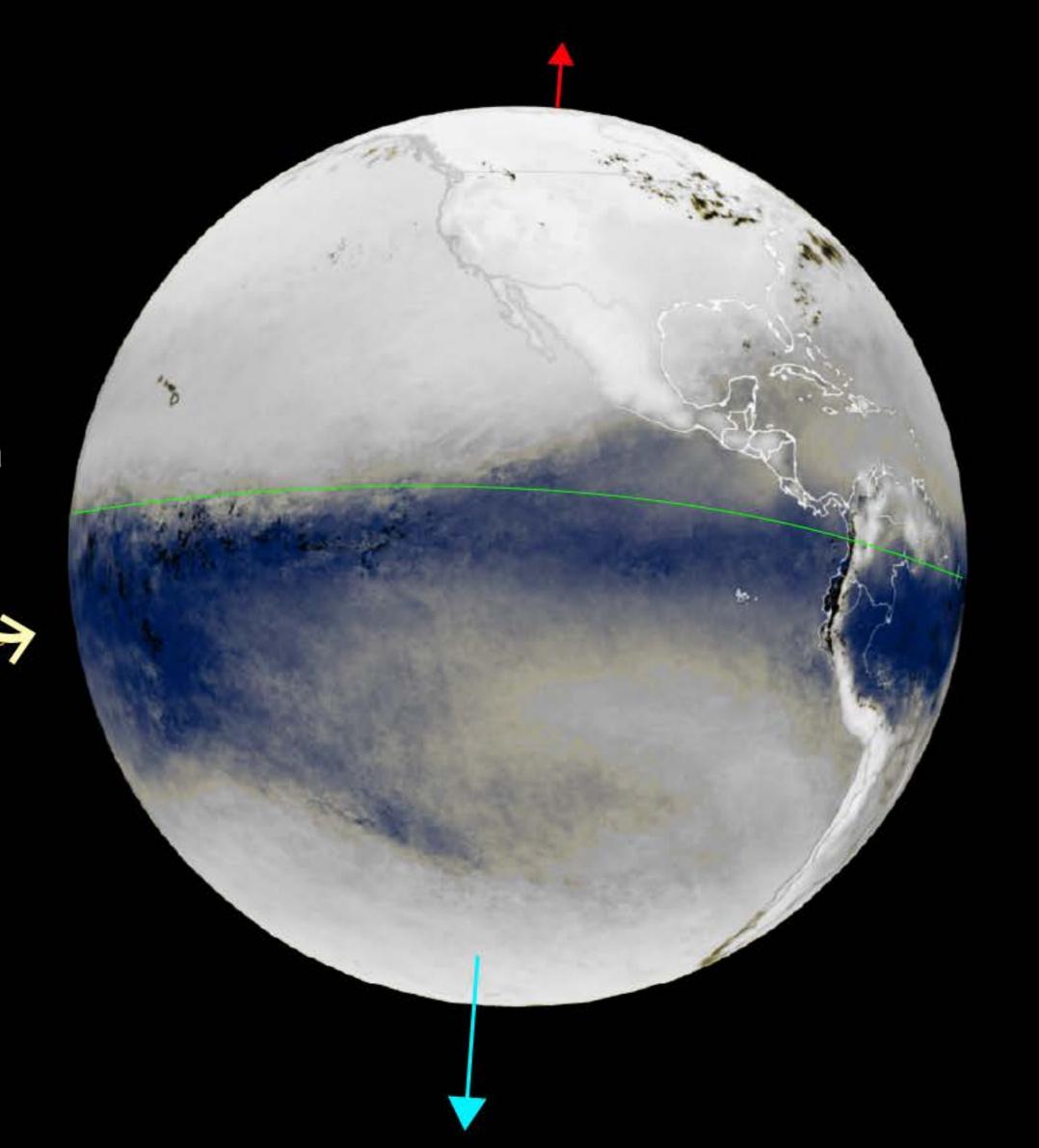


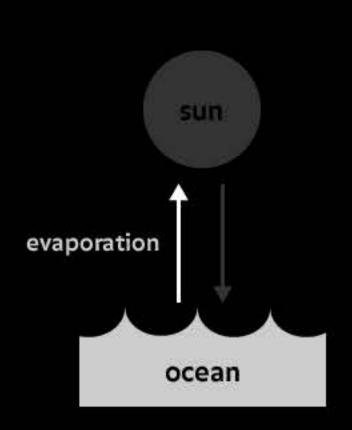


Sea surface temperature

cooler hotter

Heat escapes the ocean as water vapor and rises to warm the overlying atmosphere.





Water vapor

less more

