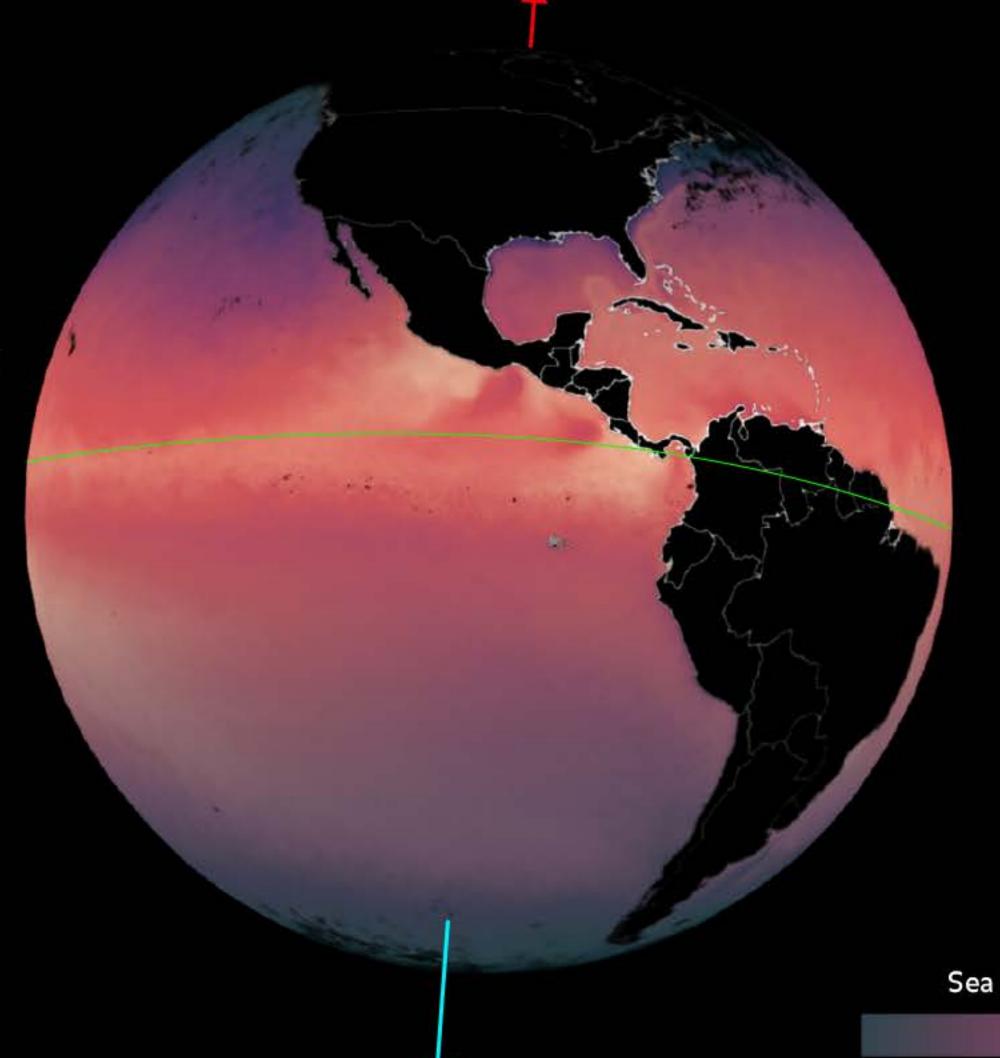
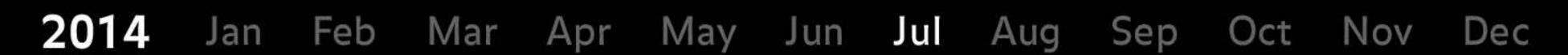
The ocean receives most of its heat along the equator from incoming direct radiation from the sun.



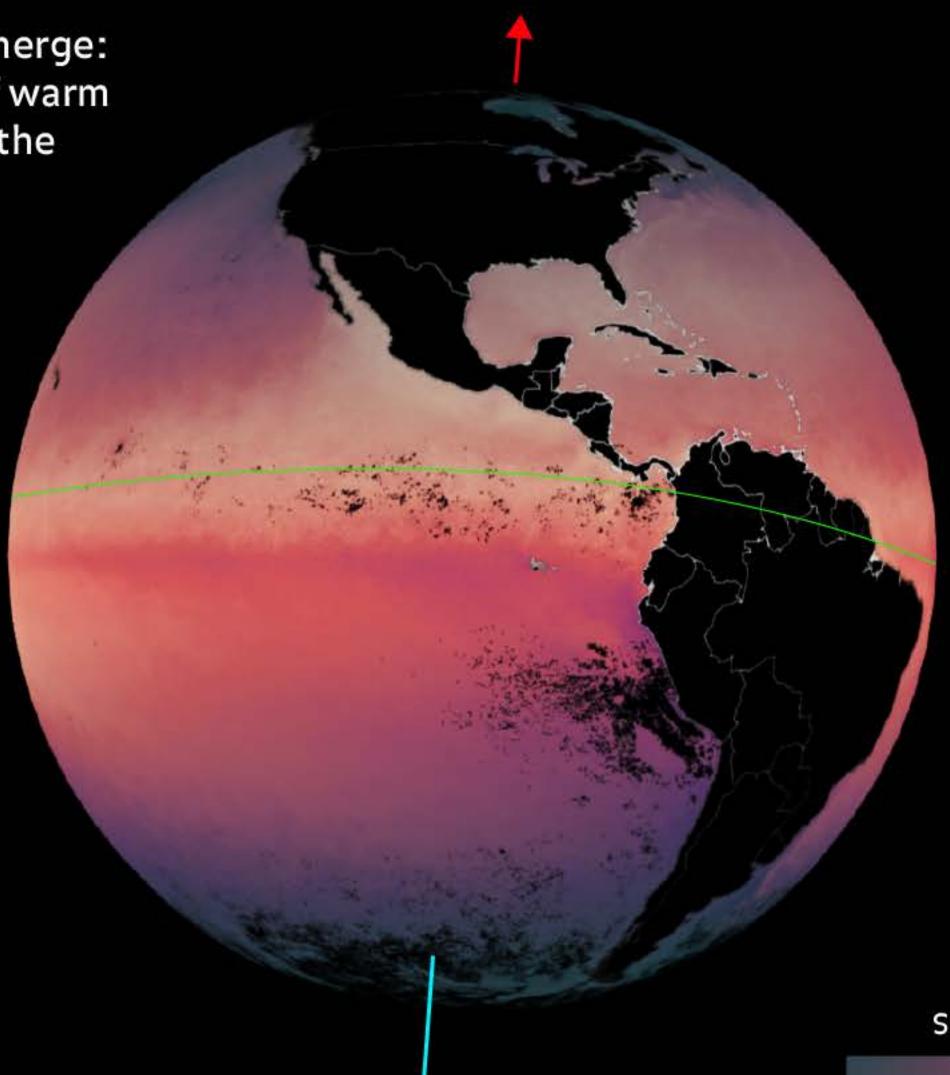
Sea surface temperature

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

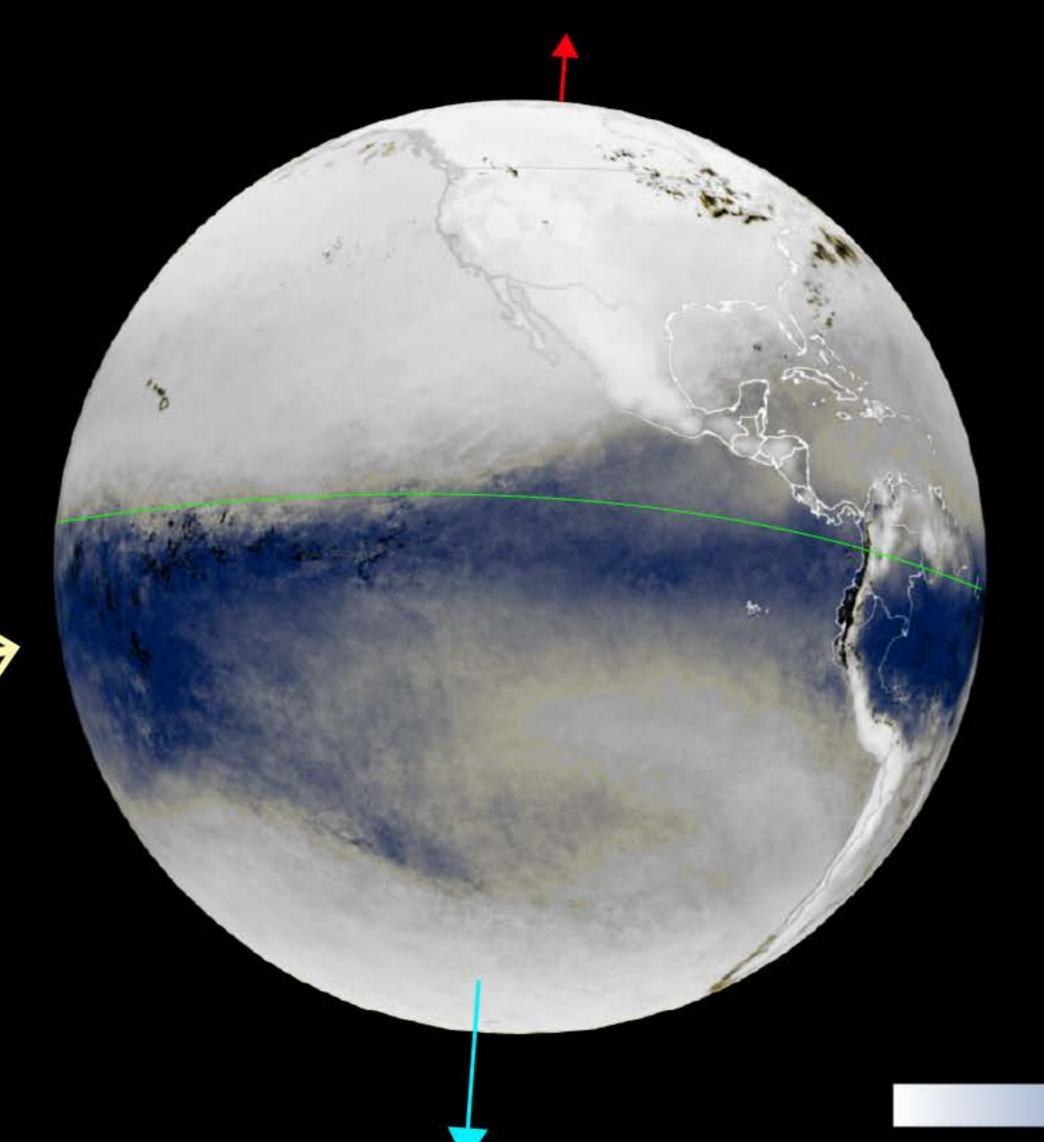
hotter

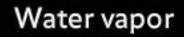
cooler



2016 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

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





less more

