

PRABHA IAS IPS COACHING ACADEMY



Kelvin Wave

NASA's Sentinel-6 Michael Freilich satellite observed a Kelvin wave, moving eastward in the equatorial Pacific Ocean.

A Warm Kelvin Wave occurs when warm surface water travels eastward across the Pacific Ocean. It raises sea surface temperatures in the eastern Pacific Ocean.

The arrival of warm Kelvin waves is considered an early indicator of a possible El Nino event.

Sentinel-6 Michael Freilich

Sentinel-6 Michael Freilich is an Earth observation satellite used for monitoring sea level, ocean circulation, and climate change. It is part of the Copernicus Sentinel-6/Jason-CS (Continuity of Service) mission.

The mission was jointly developed by European Space Agency (ESA), EUMETSAT, NASA, NOAA with funding support from the European Commission and technical support from the French space agency CNES.