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Climate Outlooks

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Climate Glossary

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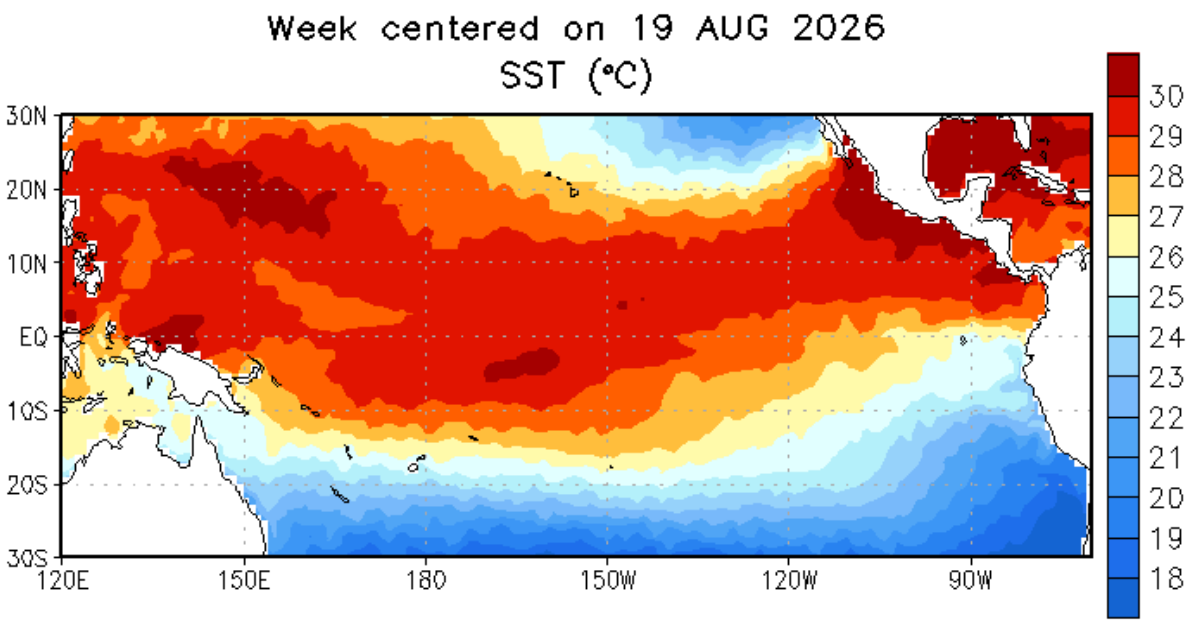
El Niño - Southern Oscillation (ENSO)

- **Current Conditions**
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Current Conditions

Note: Move cursor over product name to display the graphic.

Animations		
Sea Surface Temperatures (SST)	SST Anomalies - Tropical Pacific	T-Depth Anomalies - Equatorial Pacific
Tropical Outgoing Longwave Radiation (OLR) & Winds (Last 30 Days)		
OLR Anomalies	850hPa Wind Anomalies	200hPa Wind Anomalies
Sea Surface Temperatures (SST)		
Weekly Anomalies	Niño Regions Anomalies	Anomalies (5°N-5°S)



- **SST Animation** - Tropical Pacific

- **SST Animation** - Global
- **T-Depth Animation** - Equatorial Pacific

Outgoing Longwave Radiation (OLR)

Pentad mean and anomalous OLR

Time-longitude section of anomalous OLR

Last 30 day average of anomalous OLR

850-hPa Zonal Wind

Time-longitude Section (CORE data)

Time-longitude Section (Anomalous)

Sea Surface Temperature (SST)

Weekly SST Anomalies

Time-longitude section of SST anomalies (5^oN-5^oS)

Time series of weekly SST anomalies for the 4 Niño regions

Time series of weekly SST and Climatology for the 4 Niño regions

Most recent Monthly SST Anomalies

Time series of monthly SST anomalies for the 4 Niño regions

Subsurface Tropical Pacific Ocean Analyses

(Click **NCEP's Global Ocean Data Assimilation System** for more Information)

Mean and anomalous equatorial temperatures

Equatorial depth of the 20^oC isotherm

Anomalous equatorial depth of the 20^oC isotherm

Equatorial 55 meter depth temperature anomalies

Equatorial 105 meter depth temperature anomalies

Equatorial 155 meter depth temperature anomalies

Sea level anomalies

Equatorial Upper-Ocean Temperature Anomalies

Most recent pentad of anomalous equatorial temperatures

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Historical

- Historical El Nino/ La Nina episodes (1950–present)
- Equatorial Upper-Ocean Heat Content Anomalies(1979–present)

Outlooks

- Official NOAA CPC ENSO Outlook
- Official NOAA CPC ENSO Probabilities
- Official NOAA CPC ENSO Strength Probabilities
- Seasonal CFSv2 SST Outlook

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Expert Discussions/Assessments

- **Weekly ENSO Evolution, Status, and Prediction Presentation (PDF)**
- **Weekly ENSO Evolution, Status, and Prediction Presentation (powerpoint)**
- **Weekly Global Tropics Benefits/ Hazards Assessment**
- Monthly El Niño/La Niña Diagnostics Discussion
- Monthly Climate Diagnostics Bulletin: **Current** Archive

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Diagnostic and Attribution Tools

- U.S. Temperature, Precipitation, and Snowfall Impacts based on historical ENSO episodes (seasonal)
- Global Temperature and Precipitation Linear Regressions and Correlations New

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Educational Material

Frequently asked questions area available to help the public better understand the climate system and how climate patterns in far off places affect our weather patterns.

- **Fact Sheets**
  - **El Niño/La Niña** - Frequently Asked Questions on El Niño/La Niña.
  - **El Niño/La Niña Cycle (Tutorial)** - El Niño/La Niña Tutorial.
  - **El Niño and Climate Impacts** - Technical discussion of El Niño's oceanic and atmospheric conditions and their global climate impacts.
  - **La Niña and Climate Impacts** - Technical discussion of La Niña's oceanic and atmospheric conditions and their global climate impacts.
  - **SST Niño Regions** - Graphical depiction of the regions (i.e. "NINO Boxes") most commonly used in the diagnosis and forecast of El Nino.
  - **Other El Niño Links** - Links to the most informative El Niño/La Niña links on the web.

- **Monographs** - The Office of Global Programs together with the University Consortium on Atmospheric Research in consultation with CPC and others produces a series of monographs written for the layperson called Reports to the Nation on Our Changing Planet. These monographs are used by many science teachers in their earth sciences classes.
  - **El Nino and Climate Prediction**
  - **Our Changing Climate (text format)**
  - **Our Ozone Shield**

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