Climate Conditions and Outlook for Summer 2017

Subcommittee on Disaster Reduction

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ENSO Alert System Status: Not Active

ENSO-neutral conditions are present.*

Equatorial sea surface temperatures (SSTs) are near-to-above average across most of the Pacific Ocean.

ENSO-neutral and El Niño are nearly equally favored during the Northern Hemisphere summer and fall 2017.*

**ENSO Diagnostics Discussion**
http://www.cpc.ncep.noaa.gov/products/analysis_monitoring/enso_advisory/enso_disc.html

**ENSO Blog**  http://www.climate.gov/news-features/department/enso-blog

* Note: These statements are updated once a month (2nd Thursday of each month) in association with the ENSO Diagnostics Discussion, which can be found by clicking here.
During the last four weeks, equatorial SSTs were near-average near the International Date Line, and above-average across the eastern Pacific.
Niño Region SST Departures (°C) Recent Evolution

The latest weekly SST departures are:

- Niño 4 0.4°C
- Niño 3.4 0.5°C
- Niño 3 0.6°C
- Niño 1+2 1.0°C
CPC/IRI forecasters are split between ENSO-neutral and El Niño.
The CFS.v2 ensemble mean (black dashed line) favors ENSO-neutral to continue through 2017.
ENSO-neutral is favored through mid-2017, roughly an equal split between ENSO-neutral and El Niño during the remainder of 2017.
Individual NMME Model Forecasts JJA 2017
North American Multi-Model Ensemble

Forecast updated May 8, 2017
June – August 2017
Temperature Outlook

- **C. Alaska**
  - Below: 22%
  - Near: 33%
  - Above: 45%

- **C South Dakota**
  - Below: 33%
  - Near: 33%
  - Above: 33%

- **W Texas**
  - Below: 22%
  - Near: 33%
  - Above: 45%

- **N Maine**
  - Below: 12%
  - Near: 33%
  - Above: 55%
Individual NMME Model Forecasts
JJA 2017
North American Multi-Model Ensemble

Forecast updated May 8, 2017
June – August 2017 Precipitation Outlook

- Montana
  - Below: 27%
  - Near: 33%
  - Above: 40%

- N. Florida
  - Below: 33%
  - Near: 33%
  - Above: 33%

- C Texas
  - Below: 32%
  - Near: 33%
  - Above: 35%

- W. Alaska
  - Below: 31%
  - Near: 33%
  - Above: 36%
Summary

- SSTs are average to weakly above average across the central and eastern equatorial Pacific Ocean.
- All atmospheric indicators over the Tropical Pacific are quite neutral.
- Temperature Outlooks for June – August favor above average temperatures over large parts of the country with the exception of the central and northern Plains.
- Precipitation Outlooks favor above median precipitation in the middle of the country from the northern Rockies extending Southeastward into Texas.