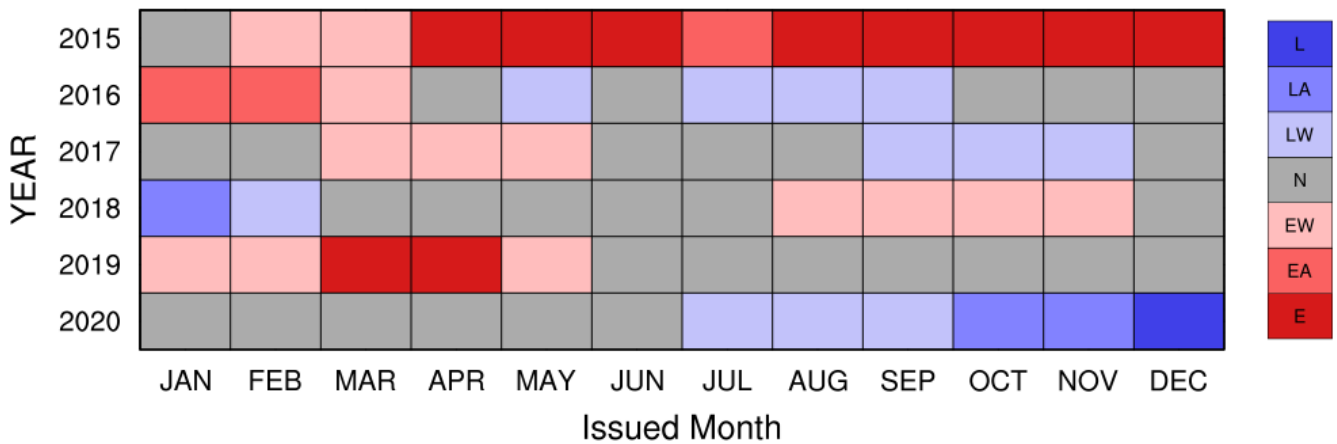


APCC ENSO Alert History



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E: El Niño EA: El Niño Alert EW: El Niño Watch N: Neutral L: La Niña LA: La Niña Alert LW: La Niña Watch

El Niño Watch

Issued when conditions are favorable for the development of El Niño within the next six months and probability is 55% or more

All of the following criteria need to be satisfied :

- Observed Sea Surface Temperature Anomaly (SSTA) equal to or greater than 0.5°C for a month
- Observed Oceanic Niño Index (ONI) between -0.5°C and 0.5°C or neutral
- Predicted Oceanic Niño Index and ENSO Probabilistic ONI persist 0.5°C or greater even 1 month within forecast period and probability is 55% or more for next 3 months

El Niño Alert

An upgrade from El Niño WATCH; Issued when conditions are favorable for the development of El Niño within the next six months and probability is 70% or more

All of the following criteria need to be satisfied :

- Observed Sea Surface Temperature Anomaly (SSTA) equal to or greater than 0.5°C for 3 consecutive months
- Observed Oceanic Niño Index (ONI) equal to or greater than 0.5 °C for a month
- Predicted Oceanic Niño Index and ENSO Probabilistic ONI persist 0.5°C or greater for next 2 months and probability is 70% or more for next 3 months

El Niño

An upgrade from El Niño ALERT; Issued when El Niño is currently on-going and the 3-month Oceanic Niño index (ONI) threshold is expected to persist during the forecast period.

All of the following criteria need to be satisfied :

- Observed Sea Surface Temperature Anomaly (SSTA) equal to or greater than 0.5°C for 5 consecutive months
- Observed Oceanic Niño Index (ONI) equal to or greater than 0.5°C for 3 consecutive months
- Predicted Oceanic Niño Index and ENSO Probabilistic ONI persist 0.5°C or greater for next 4 months

■ Inactive

No favorable development of El Nino or La Nina conditions within next six months

All of the following criteria need to be satisfied :

- Observed Sea Surface Temperature Anomaly (SSTA) between -0.5°C and 0.5°C or neutral
- Observed Oceanic Nino Index (ONI) between -0.5°C and 0.5°C or neutral
- Predicted Oceanic Nino Index and ENSO Probabilistic no favorable development of El Nino conditions within the next six months.

■ La Nina Watch

Issued when conditions are favorable for the development of La Nina within the next six months and probability is 55% or more

All of the following criteria need to be satisfied :

- Observed Sea Surface Temperature Anomaly (SSTA) equal to or less than -0.5°C for a month
- Observed Oceanic Nino Index (ONI) between -0.5°C and 0.5°C or neutral
- Predicted Oceanic Nino Index and ENSO Probabilistic ONI persist -0.5°C or less even 1 month within forecast period and probability is 55% or more for next 3 months

■ La Nina Alert

An upgrade from La Nina WATCH; Issued when conditions are favorable for the development of La Nina within the next six months and probability is 70% or more

All of the following criteria need to be satisfied :

- Observed Sea Surface Temperature Anomaly (SSTA) equal to or less than -0.5°C for 3 consecutive months
- Observed Oceanic Nino Index (ONI) equal to or less than -0.5°C for a month
- Predicted Oceanic Nino Index and ENSO Probabilistic ONI persist -0.5°C or less for next 2 months and probability is 70% or more for next 3 months

■ La Nina

An upgrade from La Nina ALERT; Issued when La Nina is currently on-going and the 3-month Oceanic Nino index (ONI) threshold is expected to persist during the forecast period.

All of the following criteria need to be satisfied :

- Observed Sea Surface Temperature Anomaly (SSTA) equal to or less than -0.5°C for 5 consecutive months
- Observed Oceanic Nino Index (ONI) equal to or less than -0.5°C for 3 consecutive month
- Predicted Oceanic Nino Index and ENSO Probabilistic ONI persist -0.5°C or less for next 4 months

* SSTA : at the Nino 3.4 region refers to the central and eastern equatorial Pacific ($5^{\circ}\text{N}\sim 5^{\circ}\text{S}$, $120^{\circ}\text{W}\sim 170^{\circ}\text{W}$)

* ONI : defined as the 3-month running mean average Nino 3.4 index

* ENSO probabilistic based from MME probabilistic forecast of APCC issued every month