

2024 Hurricane season forecast

Atlantic

- 17-25 named storms
- 8-13 hurricanes
- 4-7 major hurricanes

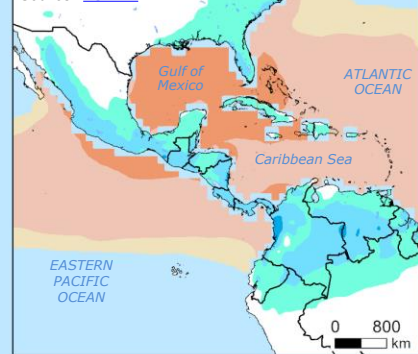
Eastern Pacific

- 11-17 named storms
- 4-9 hurricanes
- 1-4 major hurricanes

Source: NOAA #1, #2

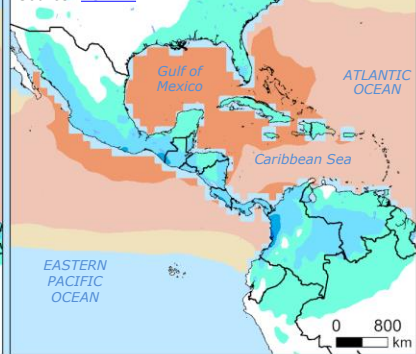
July forecast: total precipitation and mean SST

Source: ECMWF

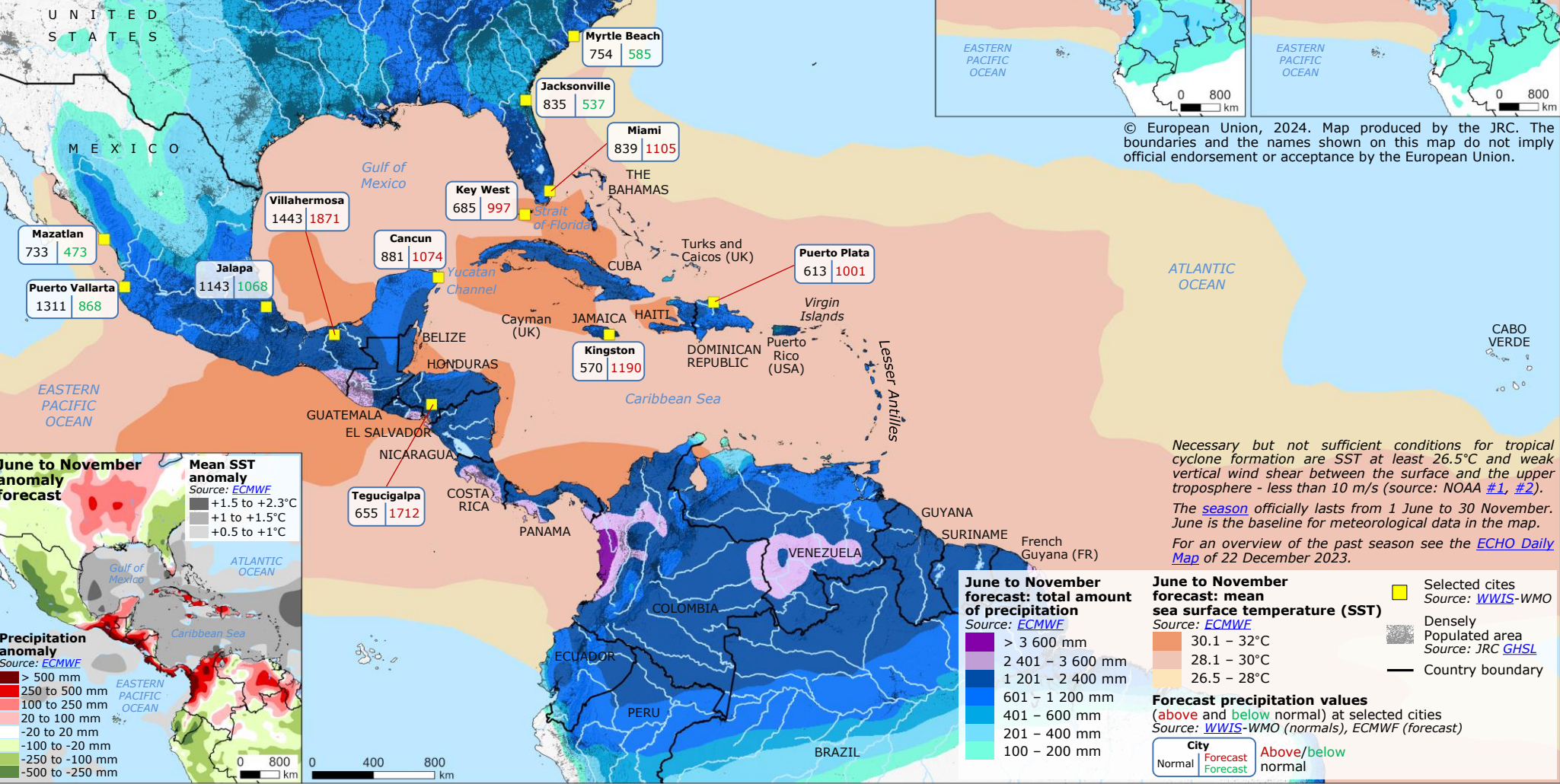


August forecast: total precipitation and mean SST

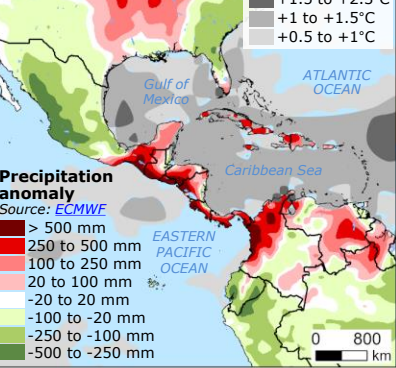
Source: ECMWF



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June to November anomaly forecast



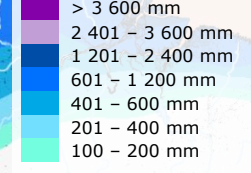
Necessary but not sufficient conditions for tropical cyclone formation are SST at least 26.5°C and weak vertical wind shear between the surface and the upper troposphere - less than 10 m/s (source: NOAA #1, #2).

The [season](#) officially lasts from 1 June to 30 November. June is the baseline for meteorological data in the map.

For an overview of the past season see the [ECHO Daily Map](#) of 22 December 2023.

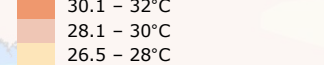
June to November forecast: total amount of precipitation

Source: ECMWF



June to November forecast: mean sea surface temperature (SST)

Source: ECMWF



Forecast precipitation values
(above and below normal) at selected cities
Source: WWIS-WMO (normals), ECMWF (forecast)

City	Forecast	Above/below normal
Normal	Forecast	Above/below normal

- Selected cities Source: WWIS-WMO
- Densely Populated area Source: JRC GHSL
- Country boundary