# **Environmental Flow Patterns of** #147 **Tropical Cyclone Genesis over the Western North Pacific**

variables

u850\_v850

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# 

1110 records are treated





### However...

RH99 and YI13 analyzed environment (env.) conditions for tropical cyclone genesis (TCG) cases based on the best track data. Therefore, the characteristics of flow patterns in nongenesis period have not been studied.

proposed an objective analysis method to categorize TCG env. Into the five flow patterns carried out climatological analysis. **Questions: Flow patterns have...** What horizontal distributions over the

Ritchie and Holland (1999; RH99)

categorized into five flow patterns by a subjective analysis focusing on the synoptic scale phenomena. Yoshida and Ishikawa (2013; YI13)

- western North Pacific (WNP)? What seasonal variability? What relationships with other env.
- parameters?

## Horizontal distribution and Seasonal variations of flow patterns





# Characteristics in TCG cases and Relationships with other env. parameters

TC cases

