

# 初秋鋒面對台灣北部天氣之分析

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## 摘 要

台灣地區夏季主要受副熱帶高壓影響，鋒面系統在秋初因極地高壓增強南移，才再度影響本省天氣，但在初秋之副熱帶高壓雖略有減弱，但實際勢力未退，而極地高壓却逐漸增強，在兩大勢力增強減弱之際，鋒面系統漸漸接近台灣北部，此際，預報鋒面是否過境而致北部天氣有所轉變，則常受困擾，而過境後北部天氣將轉劣至何種程度，持續時間如何，均為預報員所關切的課題，本文利用過去二十年（1964～1983）夏末初秋（8、9、10月）之資料予以分析，包括第一道影響台灣北部鋒面之時間分布，過境前後天氣變化幅度，極地高壓強度與鋒面過境的相關，以及颱風、熱帶低壓在初秋鋒面系統影響台灣北部天氣所扮演之角色及重要性等。（本文登於氣象預報分析第99期）

**Study on the Northern Taiwan's Weather under  
the Influence of the Fall Front  
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## ABSTRACT

After the influence of the subtropic high during summer time, the front system start to move southward and more close to Taiwan area at the beginning of the Fall. Therefore, what kind of weather change is going to be and what is the period going to last when the front system approach to the Northern Taiwan? Thus, it is a very important subject that we should to concern about. So, we will use the statistical data during last 20 years (from Aug. to Oct.) to analyze :

- (1) the space and time distribution of the 1st Fall Front.
- (2) the weather change before and/or after the Front System Passing Through the Northern Taiwan (FSPTNT).
- (3) the correlation between the intensity of the Polar High and the FSPTNT, and
- (4) the role of the Typhoon or Tropical Storm under the influence of the Fall Front when it is approaching to Taiwan.

