

## **On Tibetan Summer Rainfall Variations Related to Subtropical High Activities**

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A wavelet transform is employed to investigate multi-time scale variations of 1993/1994 summer precipitation over Tibetan Plateau. Evidence suggests that the technique is capable of identifying the sudden change between active and break periods of the rainfall, differing in features between 1993 and 1994. In 1993, the western Pacific subtropical and southern Asian highs are greatly southward of mean for their low weakness, responsible for the Tibetan precipitation occurring dominantly in July and August and characterized by distinct bi-weekly variations and in 1994 both the highs are strong enough to have their positions northward of average, which relates to the Tibetan precipitation largely in May and June, marked by the 30-60 days oscillations. In addition, the N-S shift of the subtropical high in the two years is in good correspondence to the rainfall change over the eastern Plateau in such a way that the active intervals are associated with noticeable northward jumps of the subtropical system.

**Meteorology (Poster)**