Anomaly circulation patterns for active and poor southwest monsoon seasons over different regions of India

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Anomaly circulation patterns associated with active and poor seasons of the southwest monsoons for the five homogeneous regions of India i.e. South peninsular India, Central Northeast India, Northwest India, West Central India and Northeast India and for all-India have been studied by using upper air data over Indian stations during 1959-1994. The atmospheric circulation patterns associated with the extremities in the monsoon are identified and discussed.

It is observed that the anomaly patterns of the regions except northeast India are similar to the anomaly patterns of all-India. The anomalies of northeast India are quite apposite to the anomalies of rest of the regions and all-India. This study indicates that the break/active monsoon situation for all-India contributes high/low amounts of rainfall to northeast India.

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