



Aviation Week 2012

Session 5: Easterly Waves or TUTT Induced Perturbations

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Abstract:

Easterly waves and TUTT induced perturbations in the low level easterlies are meso-synoptic scale features, that under favorable conditions, can produce long lasting/potentially severe convection impacting the general public and aviation interests. Although the origin and vertical structure (dynamics) of the TUTT induced perturbations are very different from the easterly waves, they are often confused. How to differentiate between one and the other is essential in order to forecast the correct weather conditions and determine the impact it could have on aviation. During this presentation, the forecasters will learn how to differentiate between these features while applying numerical weather guidance, and gain experience on how to recognize them utilizing satellite imagery.