



Aviation Week 2012

Session 4: Mesoscale Cloud Signatures in the Caribbean and Associated Hazards to Aviation

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Abstract:

Cloud patterns give an indication of air motion, atmospheric stability, and moisture content. They can therefore help aviation personnel visualize weather conditions and potential weather hazards in flight. Identifying these signatures is therefore crucial in the interest of aviation safety. One of the motivating questions is, "What are some of the common mesoscale cloud structures observed over the Eastern Caribbean?" This presentation, will be seeking to illustrate some of the aviation hazards associated with some of the most common mesoscale cloud signatures in the vicinity of the Caribbean region.