

Update of the Activities of the Tropical Atmosphere Group at Nanyang Technological University, Singapore

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The research activities of Tropical Atmosphere Group at Nanyang Technological University, Singapore, are summarized in this brief talk:

- Tropical Meteorology
diurnal cycle, intra-seasonal variations, monsoons;
- Numerical Weather Prediction
three models are at various stages of implementation: COAMPS, NHM and WRF;
- Data Retrieval and Assimilation
from satellite nadir-corrected radiance and Doppler radar measurements;
- Urban Atmospheric Modelling
Singapore's urban environment and its interactions with the mesoscale weather (in partnership with Massachusetts Institute of Technology)
- Regional Climate Modelling
downscaling of global climate data to examine ENSO and IOD impacts on Maritime Continent (in partnership with Meteorological Research Institute and Kyoto University).