

# **Propagation of precipitation over southeastern Mediterranean basin produced by mesoscale storms based on TRMM PR measurements**

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The TRMM Precipitation Radar (PR) provides an excellent view of the southeastern Mediterranean basin over which there is a good deal of mesoscale storm activity during the Autumn-Winter wet season. The focus of this talk is describing the propagation properties of mesoscale precipitation features over the southeastern Mediterranean basin with an emphasis on highlighting the contrast(s) between continental and maritime propagation processes. Once mesoscale storms develop in the Mediterranean basin, they move under the influence of various external forces that lead to propagation, generally, but not always, eastward – and with differing advection and/or propagation controls depending on whether they develop within continental areas or maritime areas. This study examines these differences using the TRMM PR precipitation retrievals, with the eventual goal of explaining the difference in propagation properties through CRM modeling.