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A case study of convectively generated gravity waves coupling of the lower atmosphere and mesosphere-lower thermosphere (MLT) over the tropical region: An observational evidence

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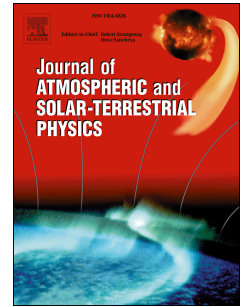
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21 **Key Points:**

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- 23 ● MST Radar and LIDAR are used to study the vertical coupling during convection.
 - 24 ● Short-period gravity waves are observed from the troposphere to mesosphere.
 - 25 ● The gravity waves source region are discussed during convection.
 - 26 ● Variability of momentum flux observed both in the troposphere and mesosphere.
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