
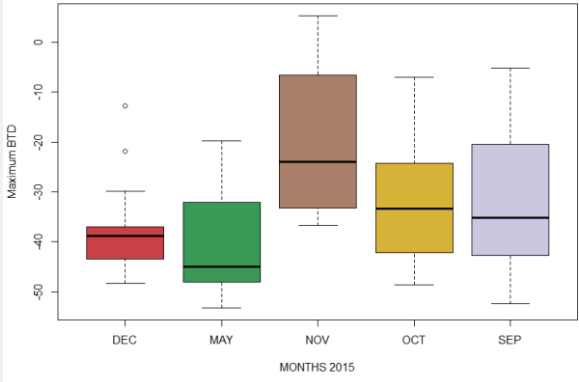


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Affiliation Qualification Program Duration	Indian Institute of Technology (BHU), Varanasi B.Tech (Chemical Engineering) III year Data Exploration Programme Two months	
Project Title	<p>A study on overshooting cloud tops over the Indian region using Kalpana-1 VHRR data.</p> <p>Occasionally deep convective clouds can overshoot the tropical tropopause (~ 16 km in tropics). In this study, Kalpana-1 VHRR data is used to study the occurrence of such overshooting over Chennai and its surrounding for different months of 2015. The brightness temperature difference between WV and IR channels is used as the indicator of overshooting clouds.</p>	<p>Radius 0.2 degree</p>  <p>WV and IR brightness temperature difference from Kalpana-1 satellite, indicating the presence of overshooting cloud tops over Chennai for different months of 2015.</p>