
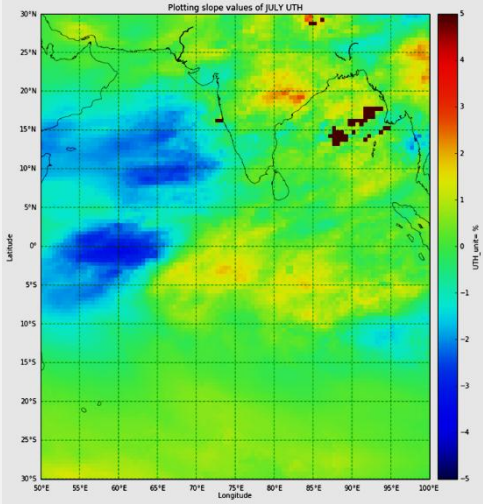


<p><b>Name</b></p> <p><b>Affiliation</b></p> <p><b>Qualification</b></p> <p><b>Program</b></p> <p><b>Duration</b></p>	<p>Ms. Iqra Shaikh</p> <p>LDRP-Institute of Technology &amp; Research, Gandhinagar</p> <p>B. E [Computer Engineering]</p> <p>Data Exploram Program</p> <p>Four months</p>	
<p><b>Project title</b></p>	<p>Study on Variation of Upper Tropospheric Humidity over Indian Monsoon region using Kalpana-1 Satellite Data</p> <p>Trend in Kalpana-1 measured daily upper tropospheric humidity (UTH) during different months is studied during 2010-2017. Negative trend is found over the West Arabian sea and positive trend over the Equatorial Indian Ocean during the Indian summer monsoon season. Year to year variability in UTH between excess and deficient Indian summer monsoon years is studied. UTH was relatively more over the Bay of Bengal and Indian land region during the excess monsoon year of 2013 when compared to deficit years possibly due to increased convection and associated moisture transport to upper troposphere.</p>	 <p>Percentage change in UTH (%) in July during 2010-2017 obtained from daily Kalpana-1 UTH data.</p>