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<b>Thesis Title</b>	<i>Study of temperature and relative humidity variations over Greece</i>
<b>Supervisor</b>	C. Tzani, Assistant Professor
<b>Summary</b>	<p>In this study, air temperature and relative humidity data at various tropospheric and lower stratospheric layers over Greece were examined. For this purpose, the vertical profiles of air temperature and relative humidity from radiosoundings during the period 1956-2016 were used. More specifically, the daily, monthly and annual values of air temperature and relative humidity at the surface, troposphere and lower stratosphere were analyzed for the periods 1956-2016, 1977-2007 and 1990-2007, respectively.</p> <p>The results of the statistical analysis of the smoothed mean monthly values of air temperature suggest a statistically significant positive trend of surface air temperature, while no significant trend is observed for the various tropospheric layers over Greece. In the lower stratosphere, the smoothed mean monthly values show a significant downward trend. Mean monthly values of relative humidity at surface and lower troposphere over Greece follow a significant positive trend for the period 1977-2007. Finally, the results of the statistical analysis of the seasonal and annual values of air temperature and relative humidity at the surface as well as at various atmospheric layers are also presented.</p>
<b>Key words</b>	Air Temperature, Relative Humidity, Surface, Troposphere, Stratosphere
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