

The University of Toronto at Mississauga Meteorological Station (UTMMS) T-Space Thermo-Hygrograph Chart Explanation

Introduction

The campus of the University of Toronto at Mississauga (also known as Erindale College) is centrally located in the City of Mississauga, Ontario, Canada. The City of Mississauga is on the western border of the City of Toronto.

The northern half of the 100 hectare campus is comprised of mixed deciduous forest and open parkland, and it is in this part of the campus that UTMMS is located (43° 33' North Latitude, 79° 40' West Longitude). The southern half of the campus is comprised of several large school buildings, student residences, parking lots, urban open space and parkland.

Instrumentation

Temperature/Relative Humidity charts presented here were recorded using a W. Lambrecht GmbH, Model 252Ua Thermo-Hygrograph. Temperature is measured using a bi-metallic element, while Relative Humidity is measured with a 'standardized hair grid'.

Data Presentation

The charts show ink lines representing approximately one week's record of Temperature (in °C) on the upper graph and Relative Humidity (in %) on the lower graph. The date and time at which each chart started recording is shown in the space between the two graphs. Disregard the reference to a specific day of the week on the chart as these days do not coincide with the correct date. The date should be your only reference to the time of year.

Some charts will also show the maximum and minimum temperatures recorded by separate thermometers manufactured by Casella London Limited. They are provided as a reference to the accuracy of the adjustments to the mechanical workings of the Thermo-Hygrograph. You can expect some discrepancy between the thermometers and the thermo-hygrograph.

In some instances, the lines recording temperature and humidity may have 'run over' their time limit. We have attempted to identify initial line trace from run over line trace but we cannot guarantee that this will eliminate any possibility of doubt in areas where the lines converge.

Disclaimer

We make every reasonable effort to maintain the accuracy and calibration of our instruments, but we cannot guarantee the accuracy of all of our data.