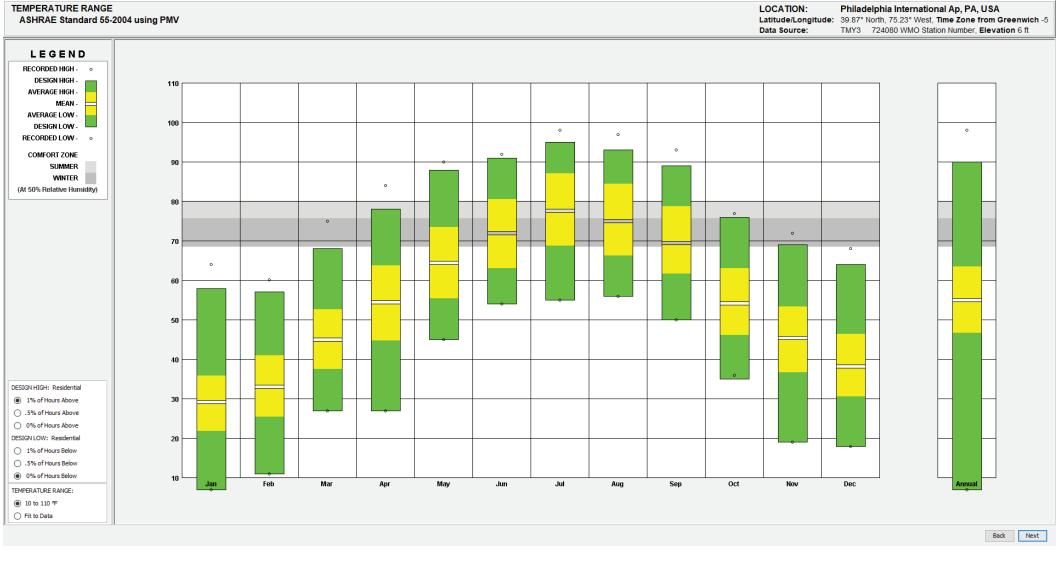
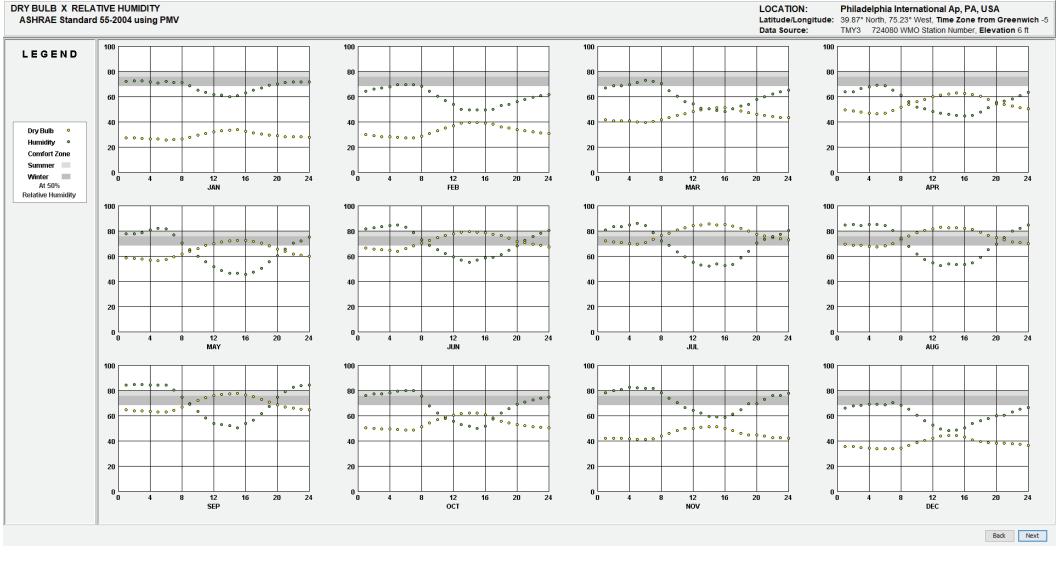
Environmental Systems

Project 1-2

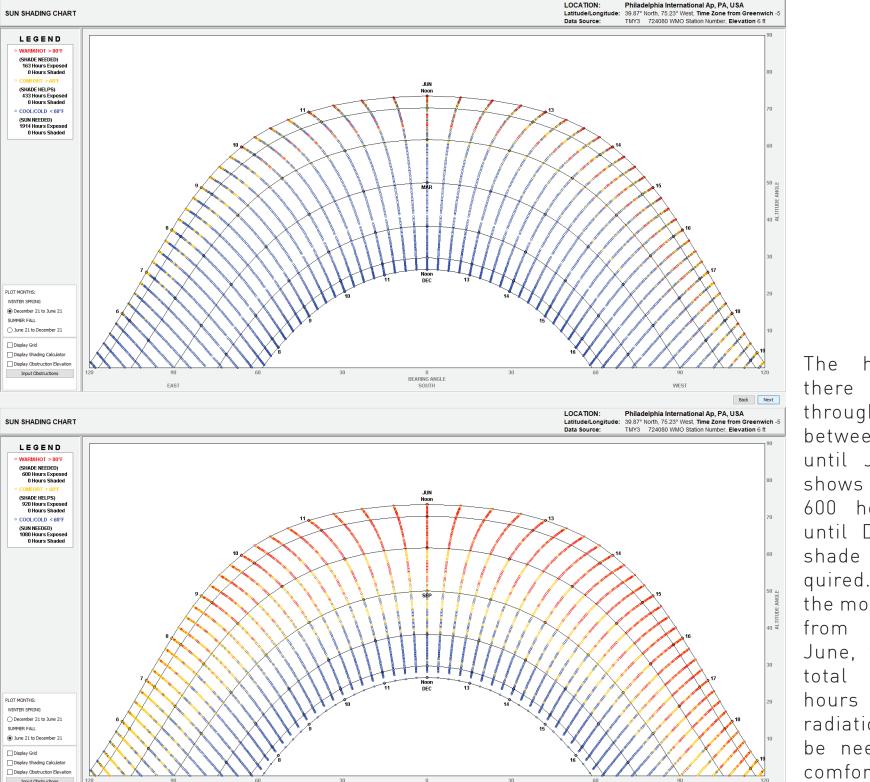
Fall 2017 ARCH 633



Throughout the year the weather ranges from -13 degrees all the way up to 90 degrees Fahrenheit. The graph indicates the mean average of the months from May up until September range between the comfort zones. However there are hours during the summer in which there is too much heat stress to stay outdoors.



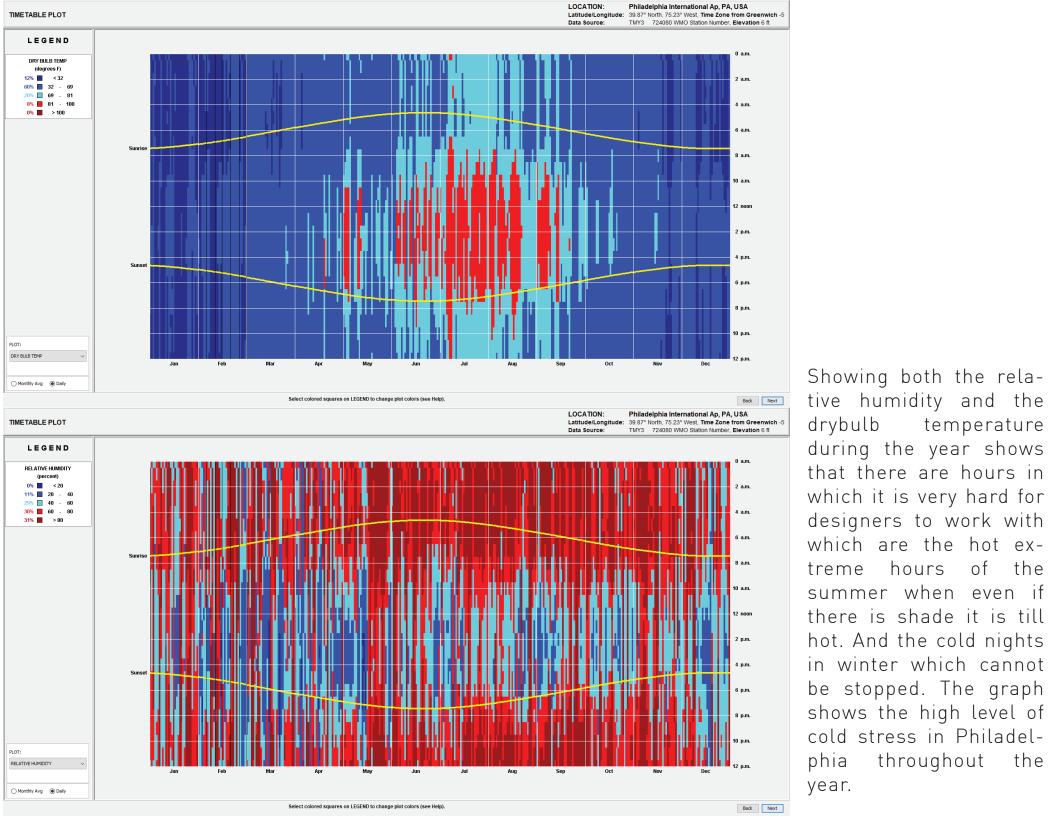
The graph shows the levels between the dry bulb temperature of the month in comparison to the mean level of relative humidity within the same month. This shows how that the relative humidity is usually higher during the winter; however during the summer the dry bulb temperature increases to make them close to one another, with a few instances in which the dry bulb temperature over exceeds the humidity.

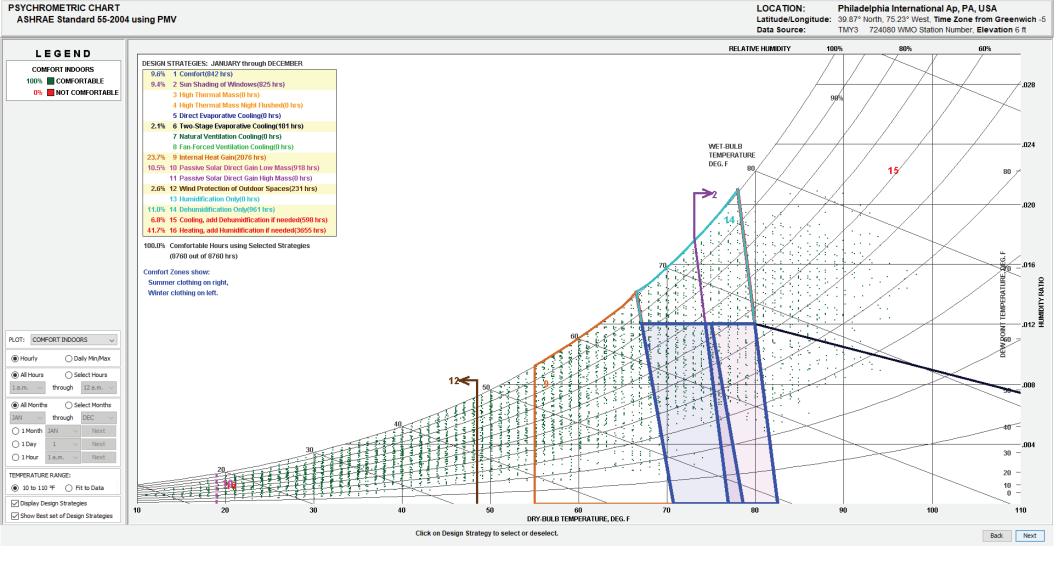


REARING ANGLE

The hours of which there is sun radiation throughout the months between December up until June. The graph shows a total of around 600 hours from June until Dember in which shade should be required. However with the months in the Winter from December until June, there are only a total of around hours in which there is radiation which would be needed for outdoor comfort.

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The levels of the hours in which comfort level could be achieved are through the times in which the temperature ranges from 70 to 83 degrees and a relative humidity from 0 until 85% humidity, considering a lower humidity as you go up with the temperature.