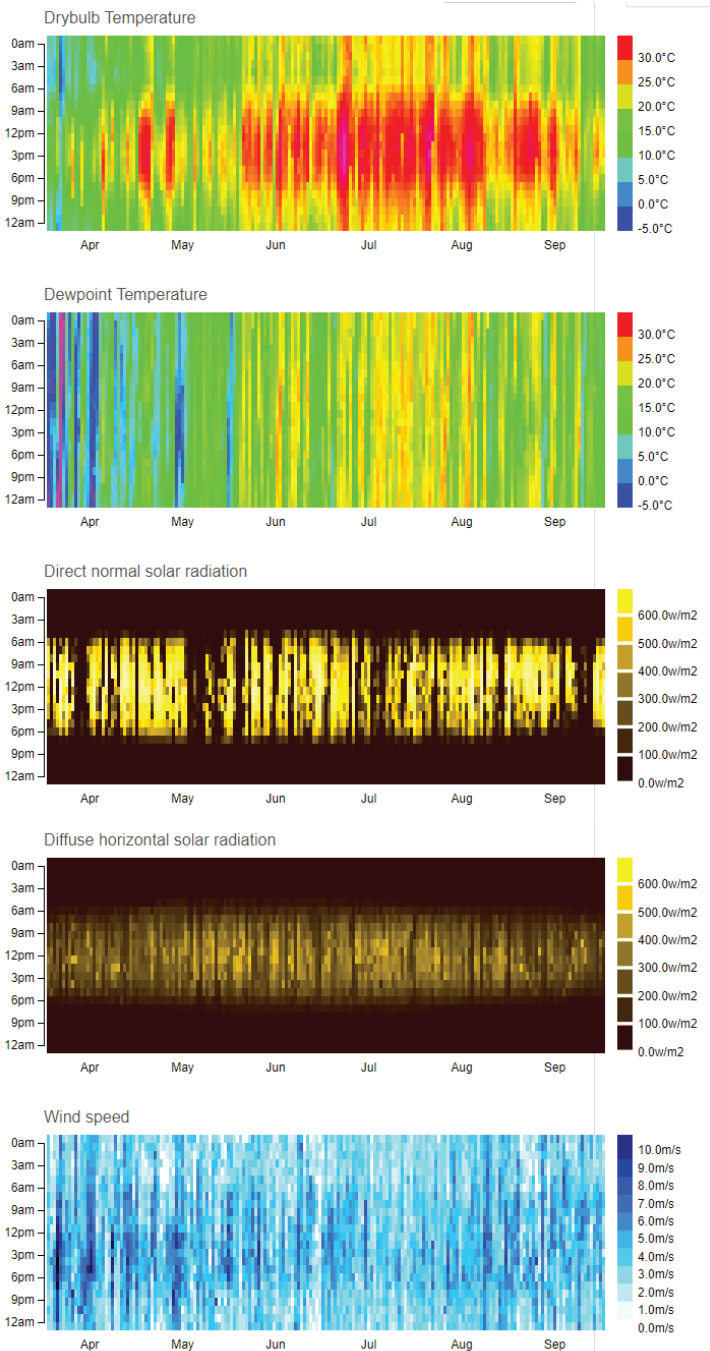


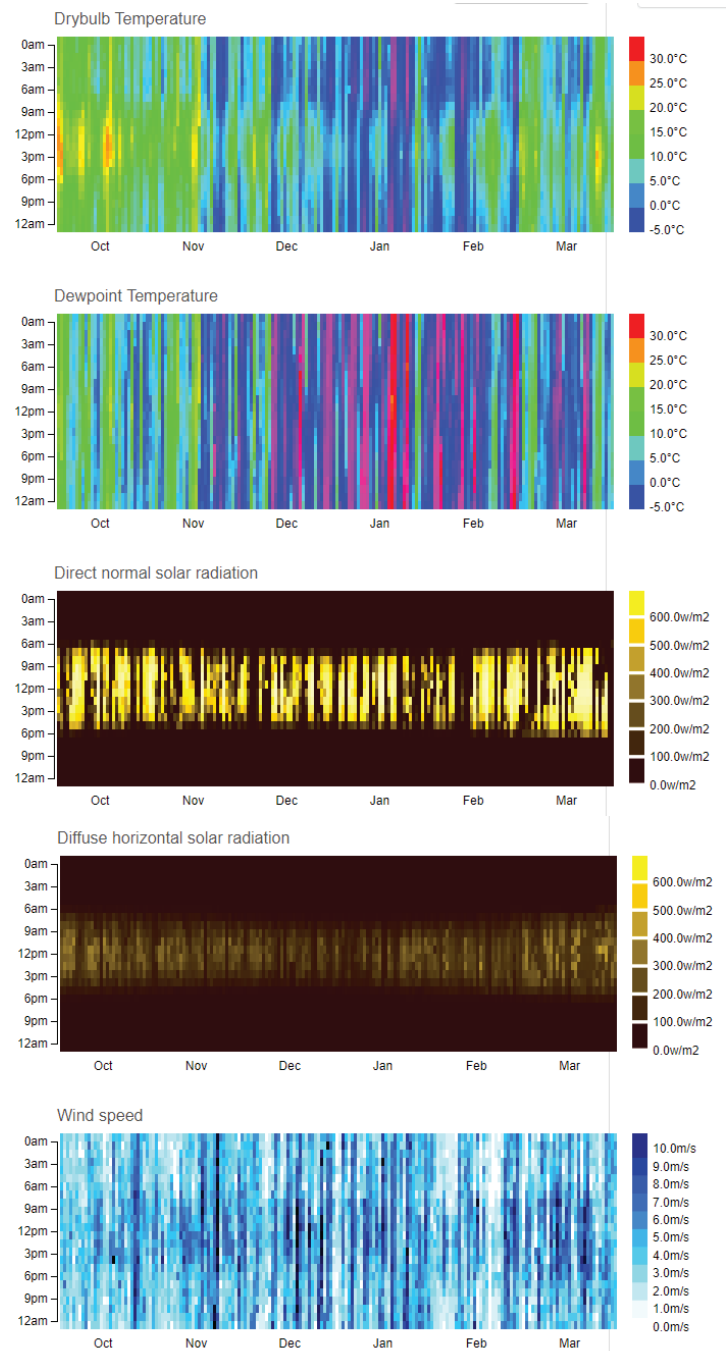
City of Philadelphia Weather Report

ARCH-633-Environmental system I
Assignment 1
08/31/2017
Weizhen Jia

*Tool use: EnSims



Summer period



Winter period

Strategies

The three most important strategies should respond to the charts in report which are temperature, solar and wind speed. Therefore, the building should have well **insulation** stop the hot and cold temperature coming in. Second, the building should have **south faced openings** to allow the radiation coming in, providing light and heat. Third, the building could have some **sun shading** to stop some of the direct solar in summer. In summer in Philadelphia, the temp is over 30.c and radiation is hard.