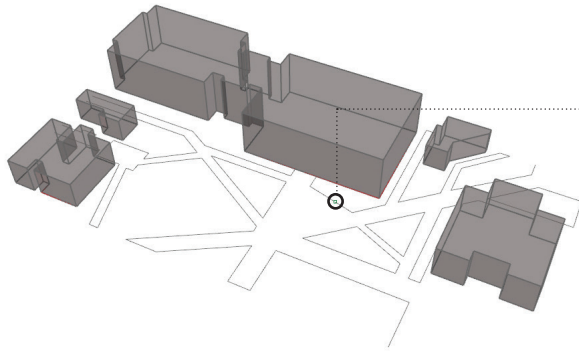
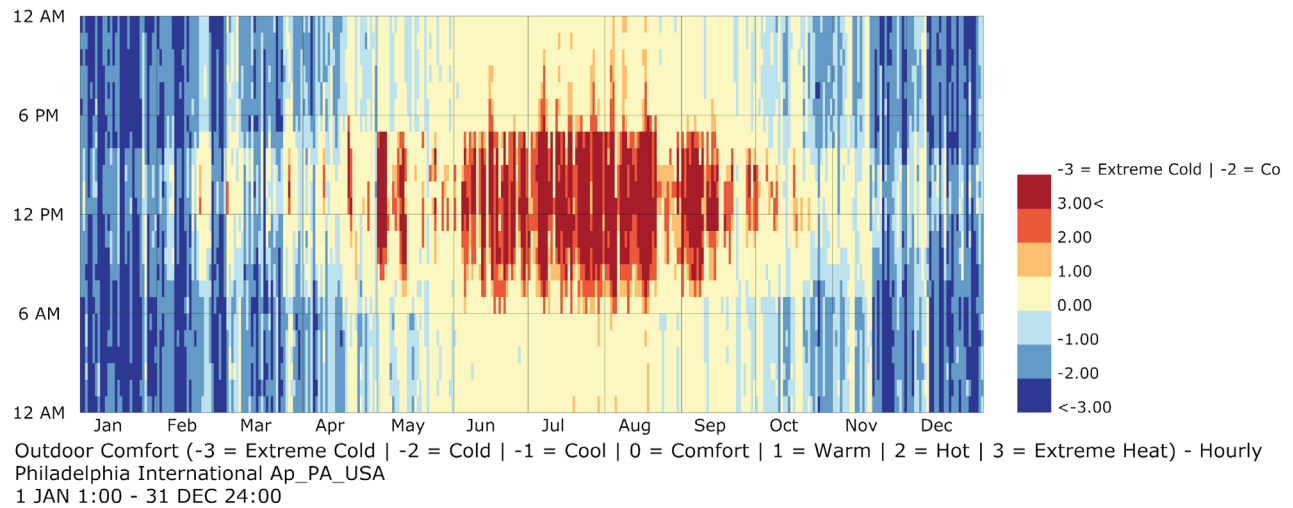


Nicole Bronola



LOCATION:

University City  
Philadelphia, PA

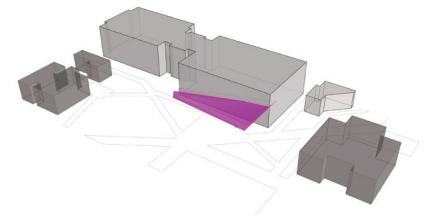
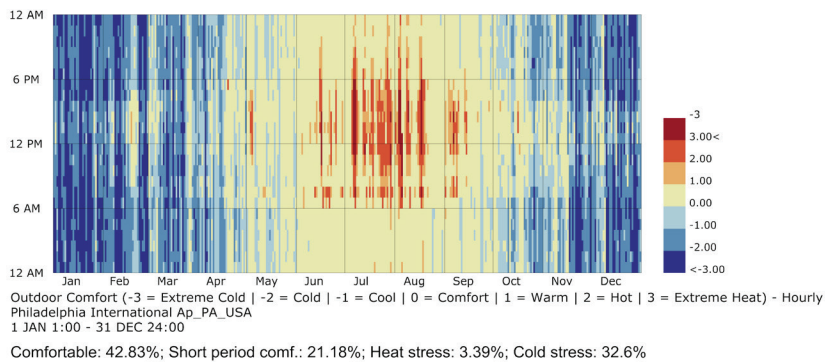


Comfortable: 38.28%; Short period comfy.: 19.25%; Heat stress: 10.59%; Cold stress: 31.88%

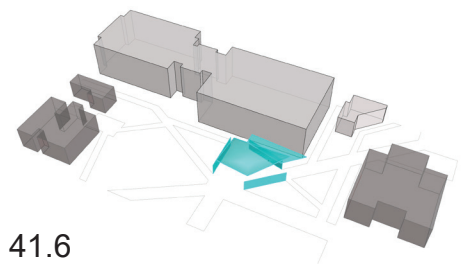
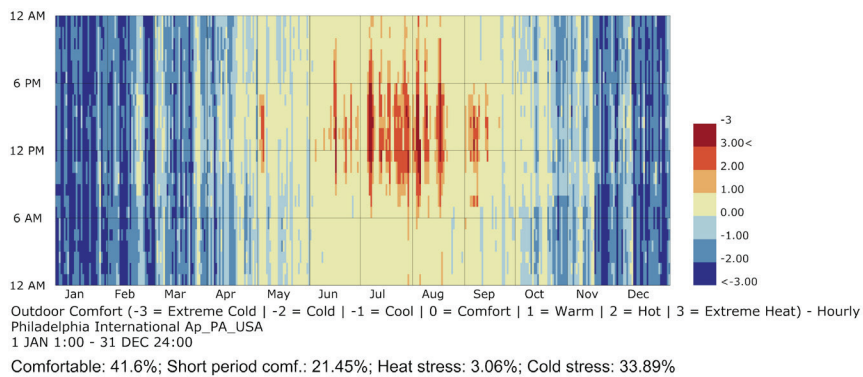
## Comfortable Hours During the Year

The chart shows a difference between the percentage of comfortable conditions and the short comfortable conditions. The point tested is exposed, and 20 feet from existing buildings.

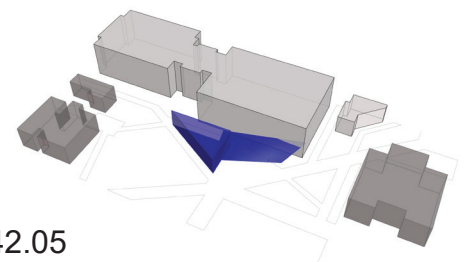
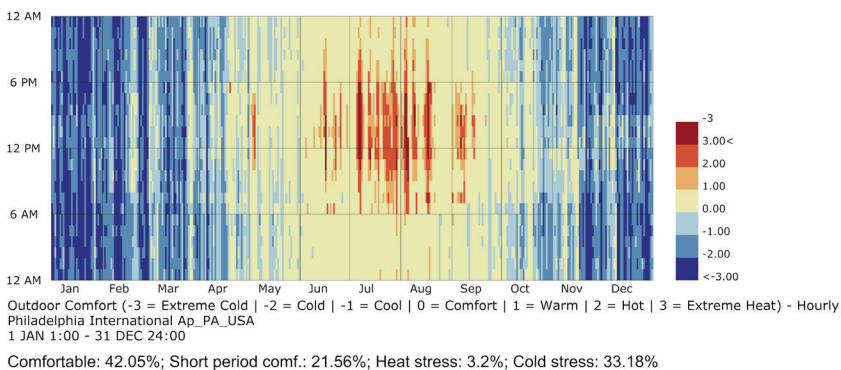
## Design Options to Maximize Comfort Percentage



42.83



41.6



42.05

Could not achieve 100 percent, the highest achieved was 42.83. It seems that even after a design which covers the existing point the conditions on site stay around 40 percent of comfort level. However, the design did improve the condition from 38.28 to 42.83 percent. It seems that the canopy is the best solution.