

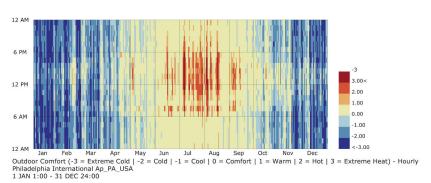
Outdoor Comfort (-3 = Extreme Cold | -2 = Cold | -1 = Cool | 0 = Comfort | 1 = Warm | 2 = Hot | 3 = Extreme Heat) - Hourly Philadelphia International Ap_PA_USA 1 JAN 1:00 - 31 DEC 24:00

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

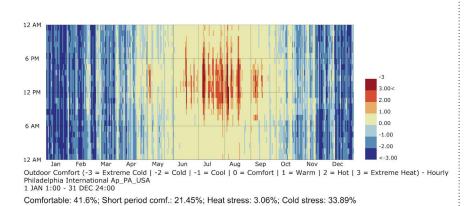
Comfortable Hours During the Year

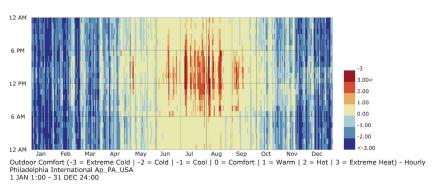
The chart shows a differnece between the percentage of comfortable conditions and the short cofortable conditions. The point tested is exposed, and 20 feet from exising beuildings.

Design Options to Maximize Comfort Percentage

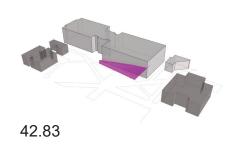


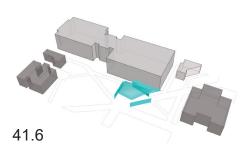
Comfortable: 42.83%; Short period comf.: 21.18%; Heat stress: 3.39%; Cold stress: 32.6%

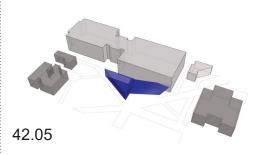




Comfortable: 42.05%; Short period comf.: 21.56%; Heat stress: 3.2%; Cold stress: 33.18%; Co







Could not achieve 100 percent, the heighest 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 canapoy i the best solution.