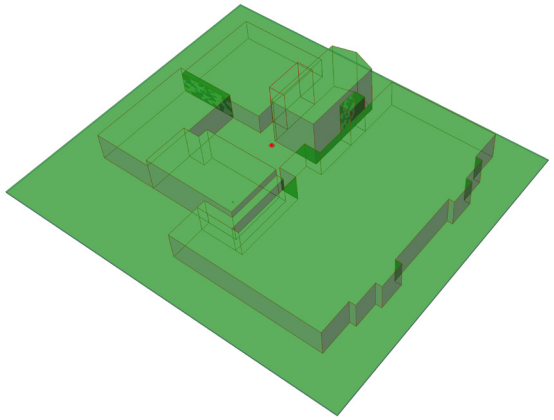
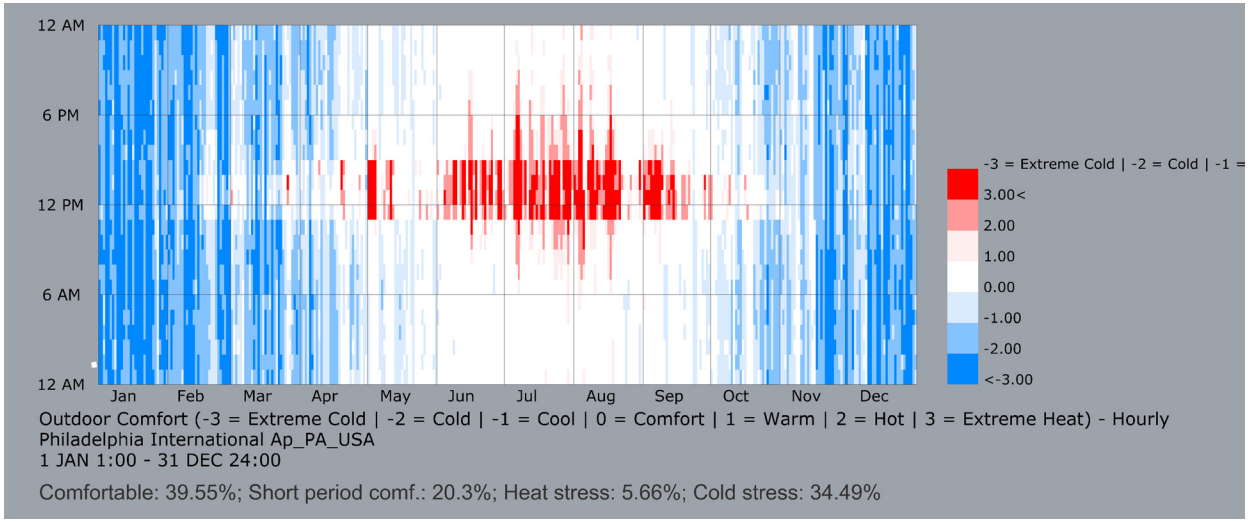
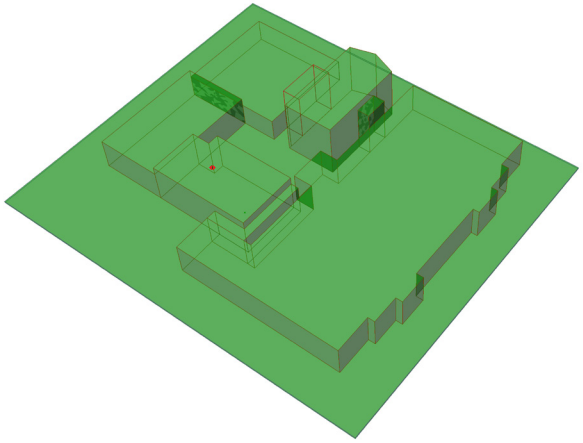
Ex 1

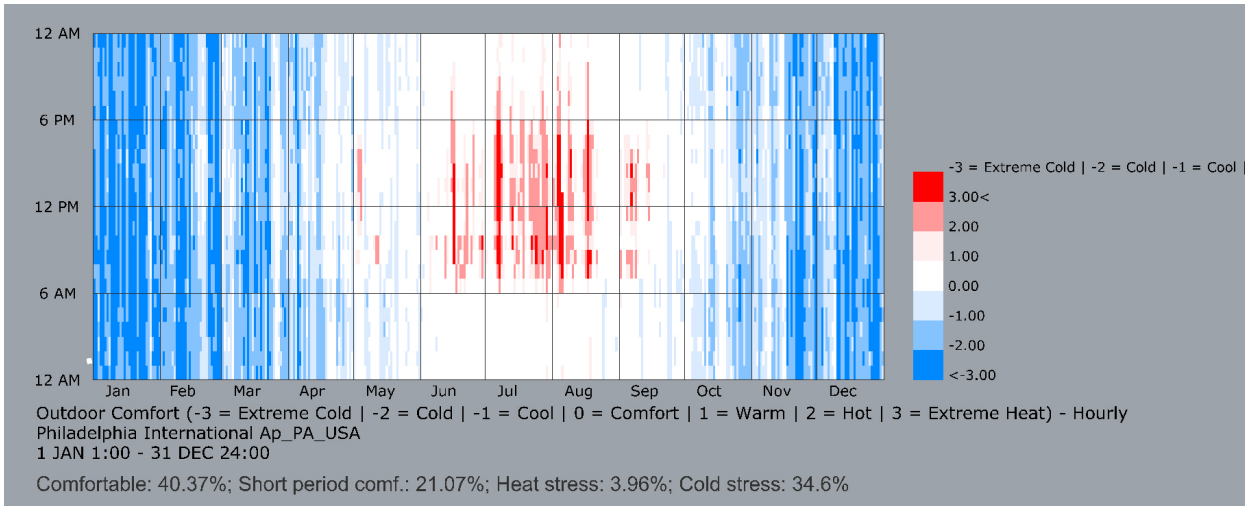




Percentage of Comfortable hours: 39.55%; Short period comf.: 20.3%; Heat stress: 5.88%; Cold stress: 34.45%

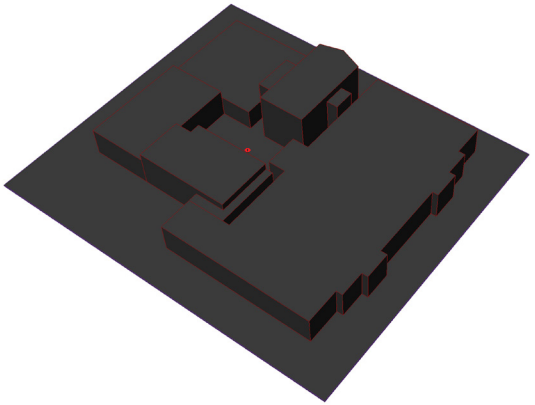
Ex 2

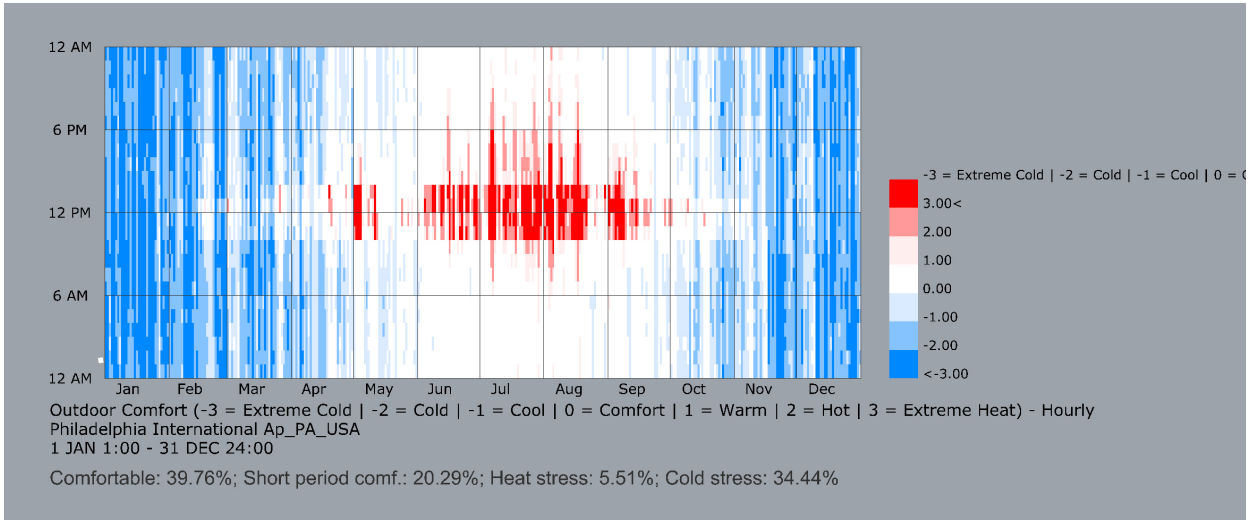




Percentage of Comfortable hours: 40.37%; Short period comf.: 21.07%; Heat stress: 3.96%; Cold stress: 34.6%

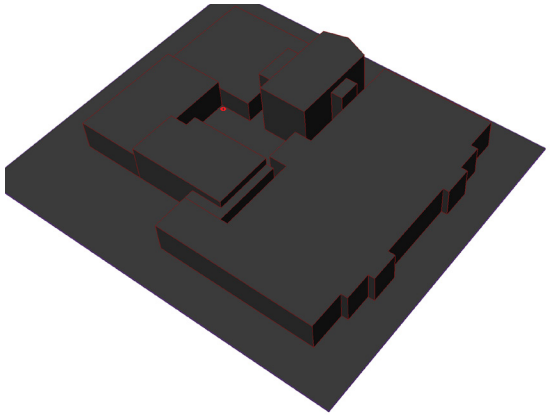
Ex 3

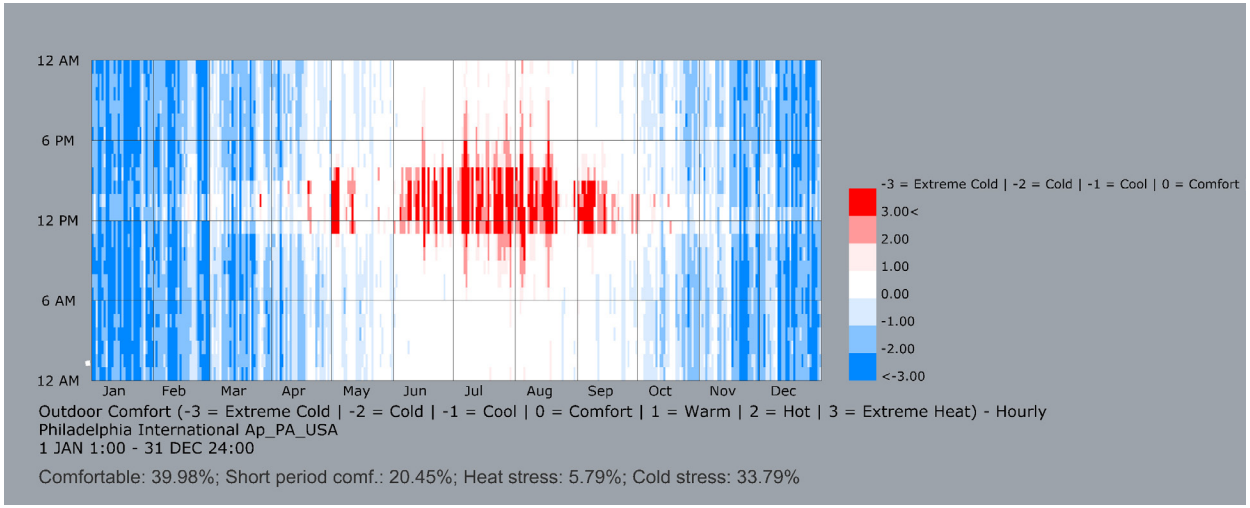




Percentage of Comfortable hours: 39.76%; Short period comf.: 20.29%; Heat stress: 5.51%; Cold stress: 34.44%

Ex 4



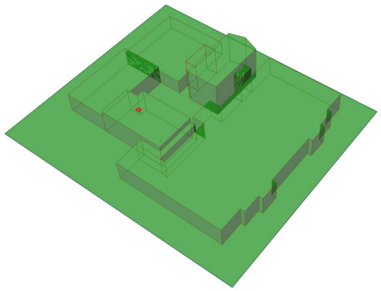


Percentage of Comfortable hours: 39.98%; Short period comf.: 20.45%; Heat stress: 5.79%; Cold stress: 33.79%

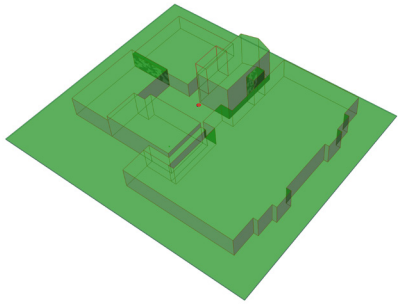
1.What was your thinking process to find the best location?

I was thinking that probably the location where they can block the wind and get a lot of sunlight would be the best location. Therefore, I tried to select each buildings corner to measure the comforts.

2. What is the difference between the best and the worst locations?



Percentage of Comfortable hours: 40.37%;
Short period comf.: 21.07%;
Heat stress: 3.96%;
Cold stress: 34.6%



Percentage of Comfortable hours: 39.55%;
Short period comf.: 20.3%;
Heat stress: 5.88%;
Cold stress: 34.45%

The best location is the corner of the right two buildings and the worst location is stairs infront of the Skirkanich Hall. The best location's percentage of Comfortable hours is 40.36% and the worst location's percentage of Comfortable hours is 39.55%.
Therefore, there are 0.82 difference between these two locations.

3. What are the effective parameters that makes the best location perform better than other spots?

The best location is blocking all the winds.

4. What are the main limitations of the current simulation method for your study?

The building models are not that accurate than real buildings. Moreover, there is no grass and water that we can design and predict and calculate the comfort. Therefore, the current simulation would have a lot of mistakes and limitation.