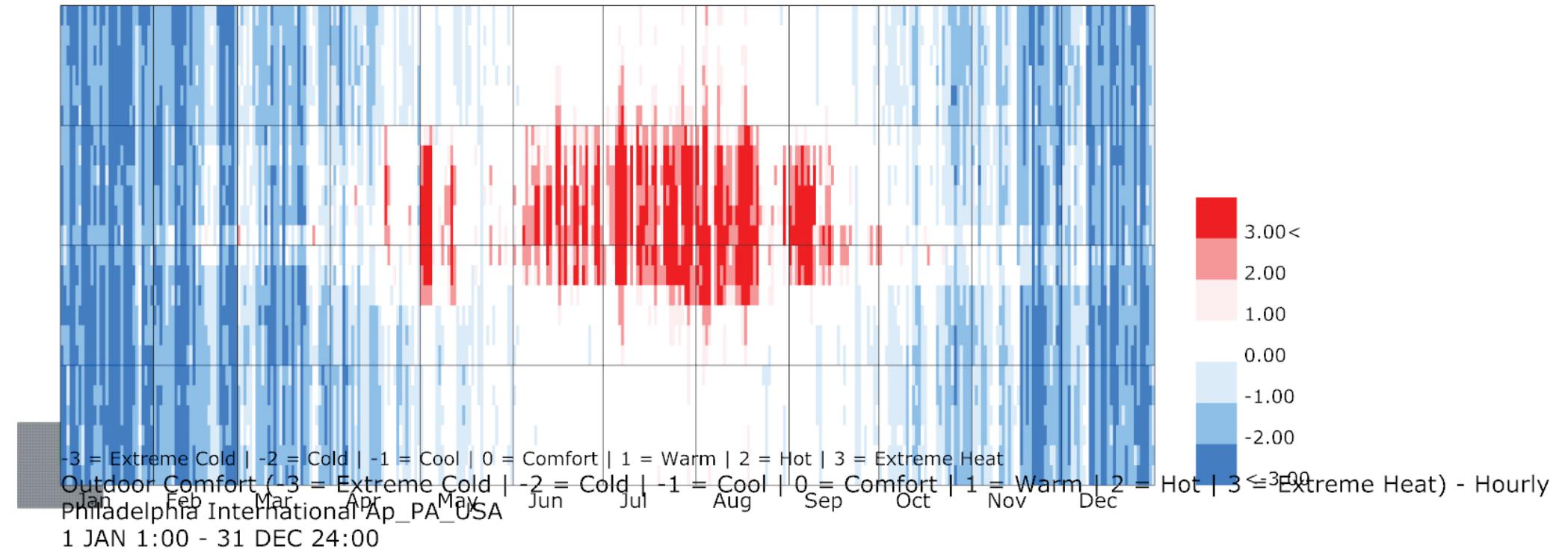
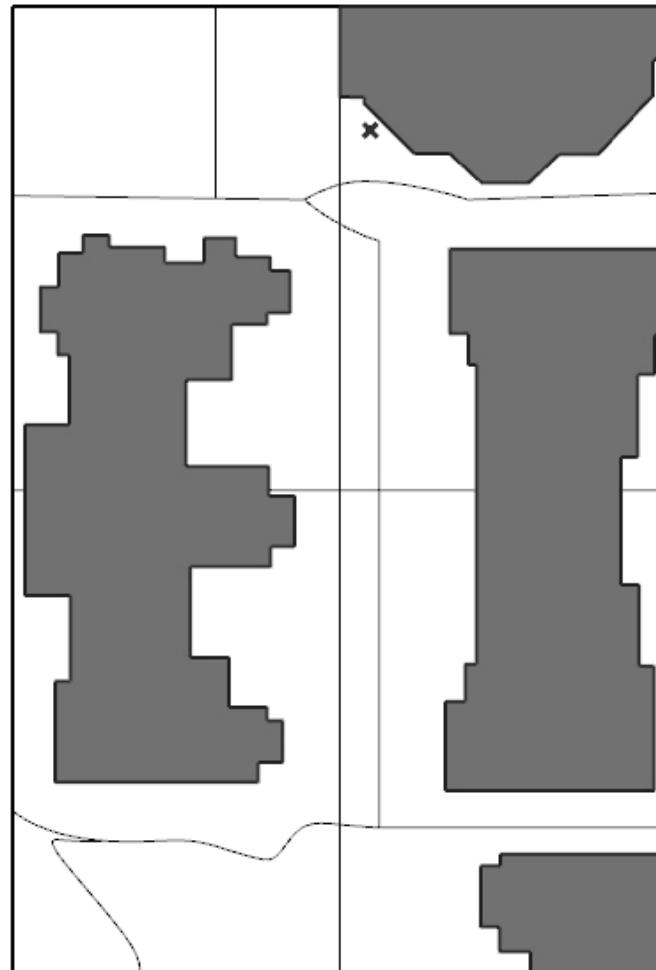


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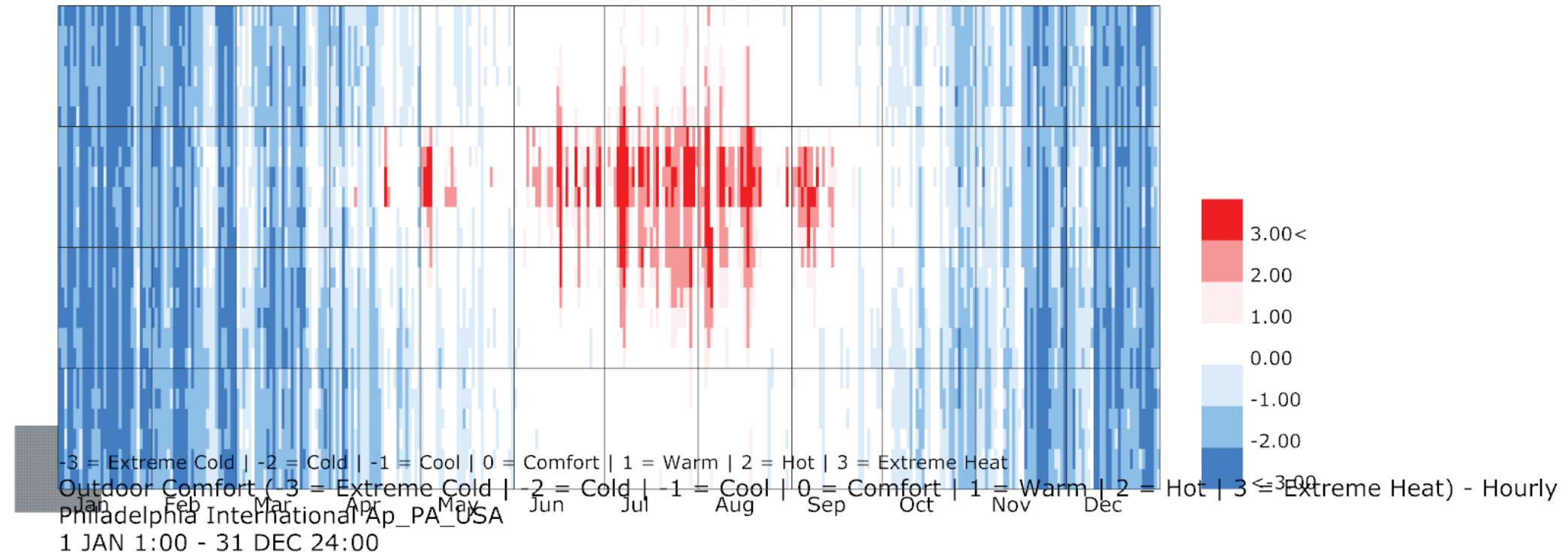
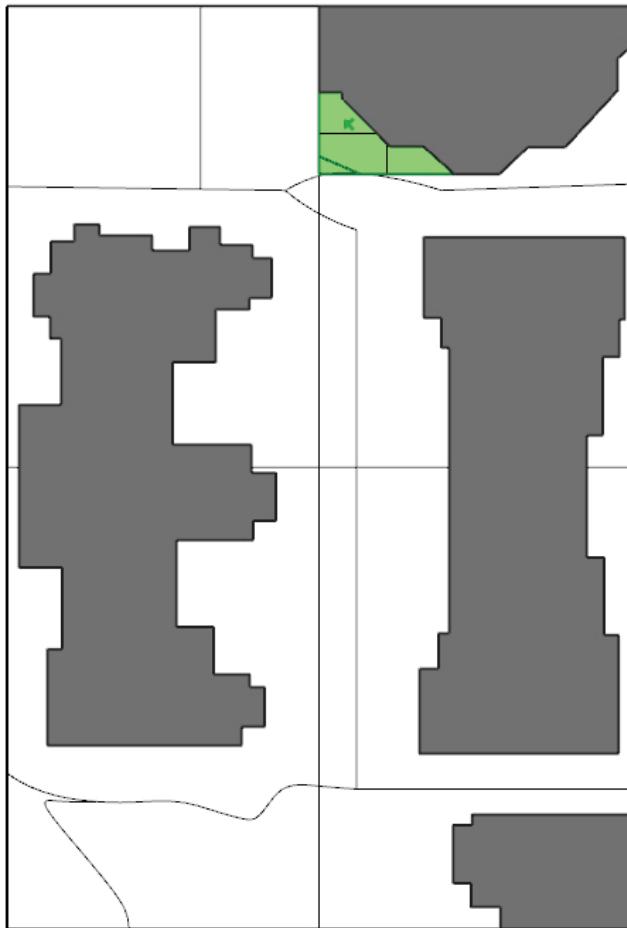
Phase 0



Comfortable	38.28 %
Short Period Comf	19.85 %
Heat Stress	7.84 %
Cold Stress	34.03 %
Design	Null with basic Houston Hall courtyard

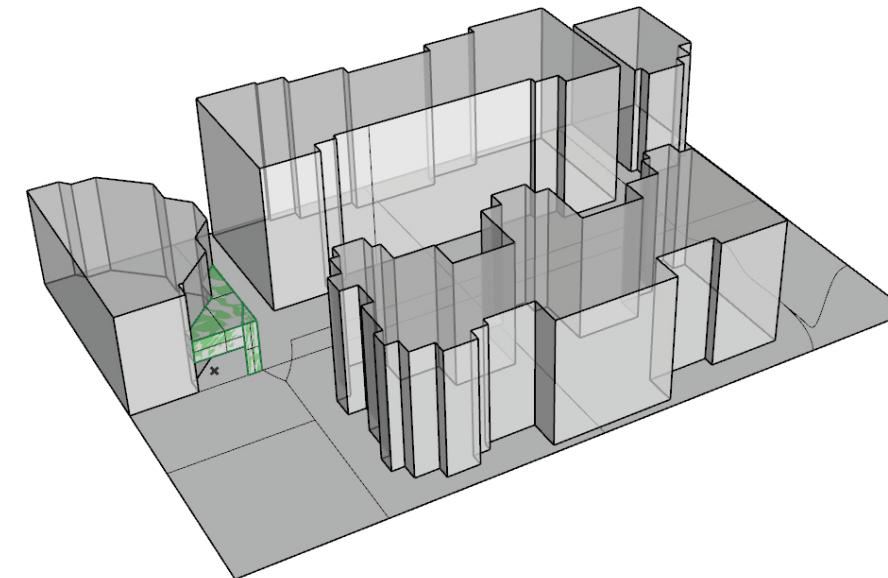
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Phase 1



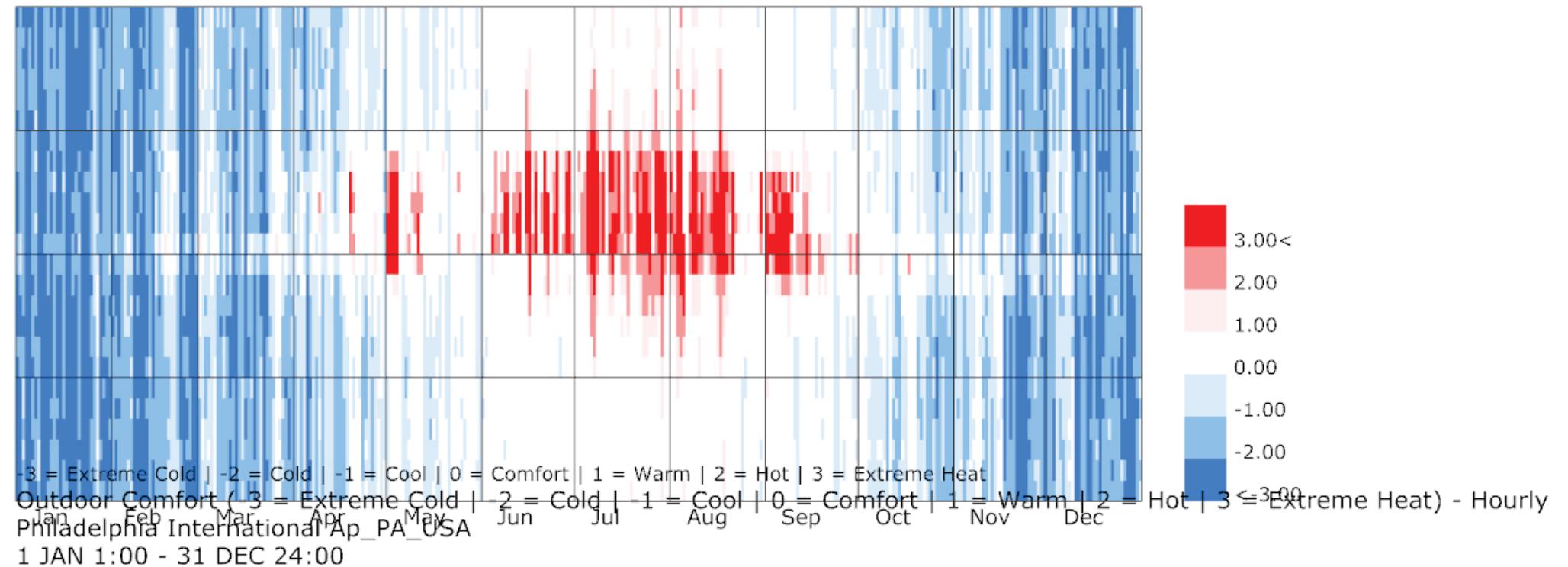
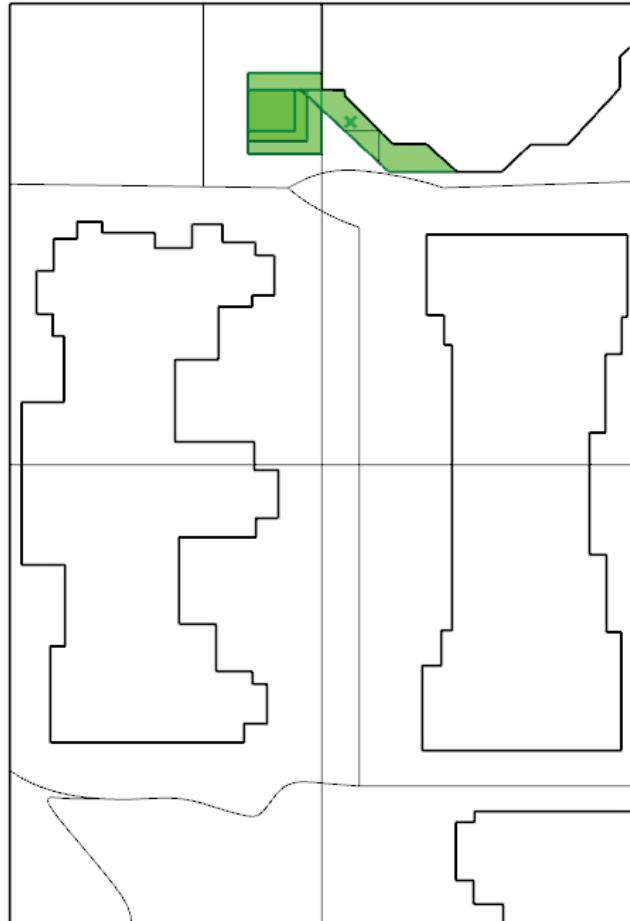
Comfortable: 39.82%; Short period comf.: 20.89%; Heat stress: 4.71%; Cold stress: 34.58%

Comfortable	39.82 %
Short Period Comf	20.89 %
Heat Stress	4.71 %
Cold Stress	34.58 %
Eaves / canopy with a column at the corner to accept more wind and potentially lower heat stress	



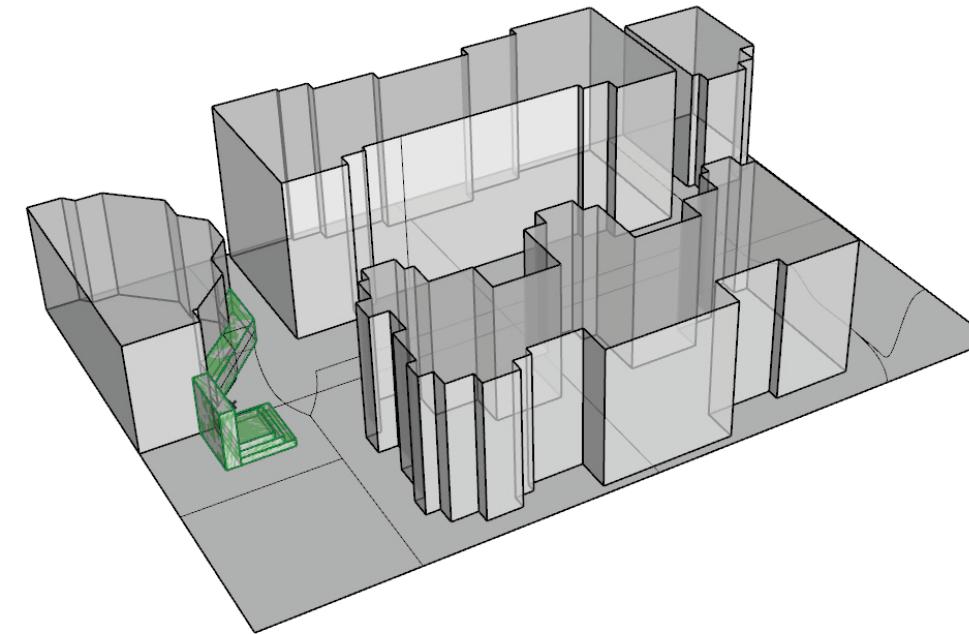
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Phase 2



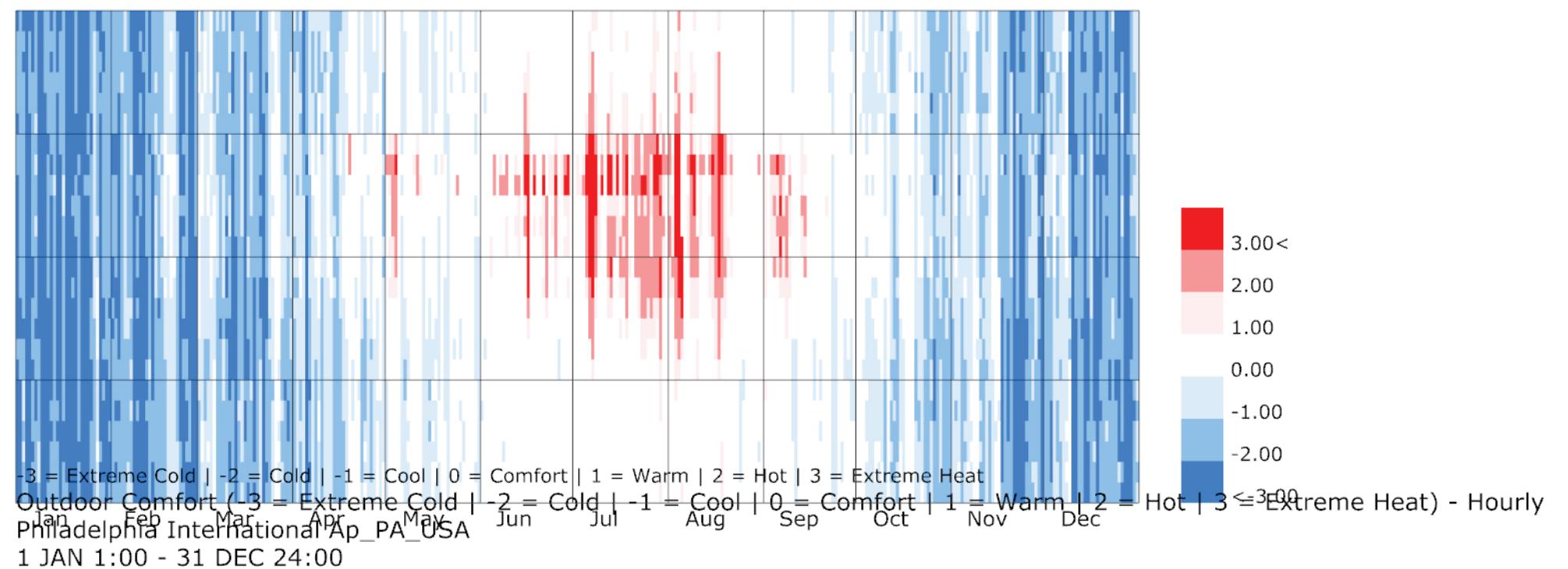
Comfortable: 39.81%; Short period comf.: 20.54%; Heat stress: 5.78%; Cold stress: 33.88%

Comfortable	39.81 %
Short Period Comf	20.54%
Heat Stress	5.78 %
Cold Stress	33.88 %
The extra wall attached to eaves and stairs give less cold stress but more heat stress.	



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Environmental systems assignment [Outdoor Comfort Simulation]

Phase 3



Comfortable: 40.47%; Short period comf.: 21.31%; Heat stress: 3.77%; Cold stress: 34.45%

Comfortable	40.47 %
Short Period Comf	21.31%
Heat Stress	3.77 %
Cold Stress	34.45 %
Due to addition of corner structure at building on the left, it gives a narrower path for wind to blow, resulting in less heat stress.	

Highest Percentage
of Comfortability
I can Achieve
at Houston Hall

