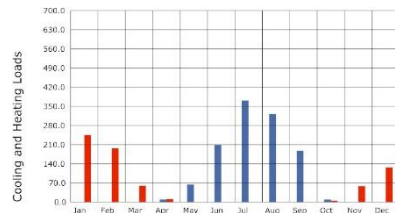
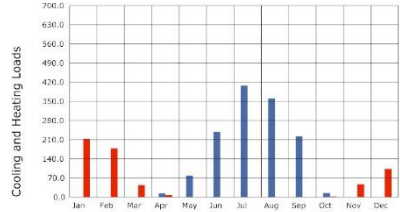


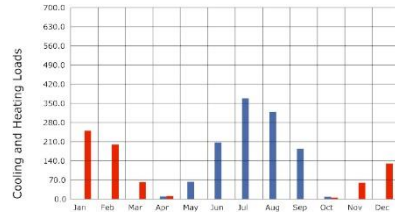
Philadelphia International Ap PA USA TMY3  
Panel\_1 Panel\_2:0.30\_0.2(%)  
CDD:1333 HDD:573  
Total:1906



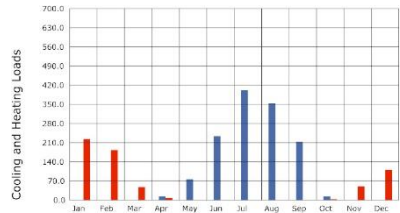
Philadelphia International Ap PA USA TMY3  
Panel\_1 Panel\_2:0.45\_0.2(%)  
CDD:1174 HDD:705  
Total:1879



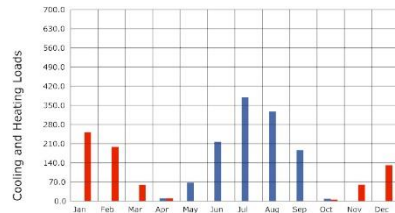
Philadelphia International Ap PA USA TMY3  
Panel\_1 Panel\_2:0.35\_0.2(%)  
CDD:1337 HDD:597  
Total:1934



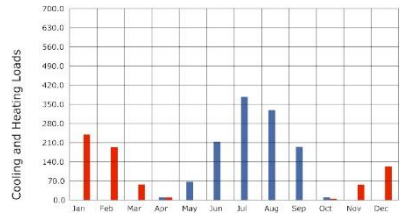
Philadelphia International Ap PA USA TMY3  
Panel\_1 Panel\_2:0.47\_0.2(%)  
CDD:1161 HDD:721  
Total:1882



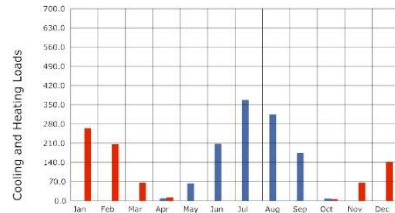
Philadelphia International Ap PA USA TMY3  
Panel\_1 Panel\_2:0.43\_0.2(%)  
CDD:1305 HDD:627  
Total:1932



Philadelphia International Ap PA USA TMY3  
Panel\_1 Panel\_2:0.50\_0.2(%)  
CDD:1197 HDD:719  
Total:1916

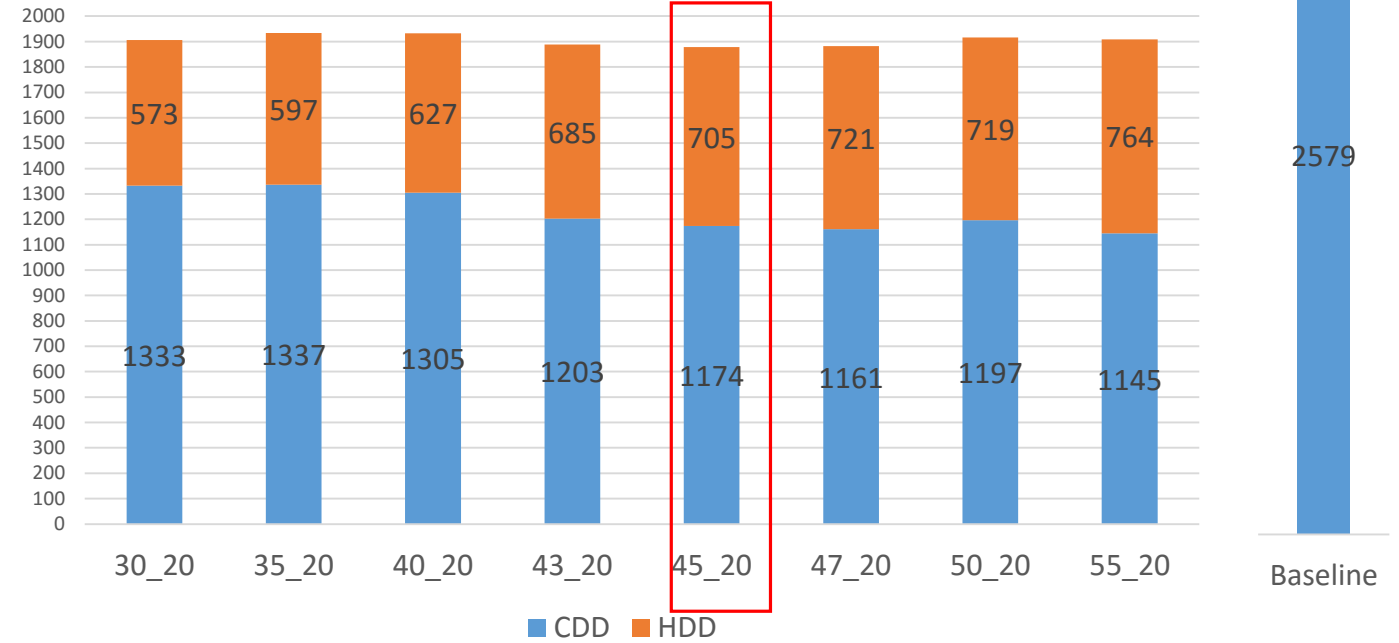


Philadelphia International Ap PA USA TMY3  
Panel\_1 Panel\_2:0.43\_0.2(%)  
CDD:1203 HDD:685  
Total:1888



Philadelphia International Ap PA USA TMY3  
Panel\_1 Panel\_2:0.55\_0.2(%)  
CDD:1145 HDD:764  
Total:1909

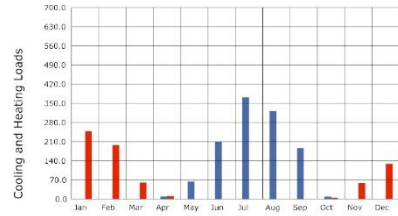
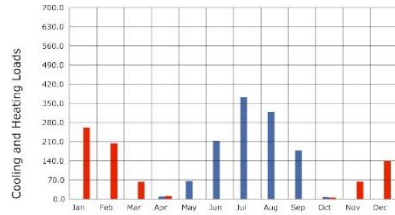
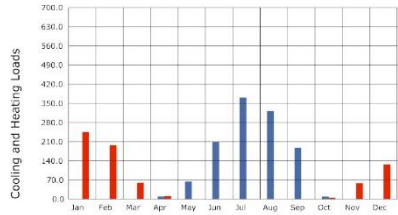
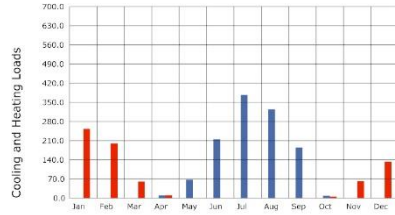
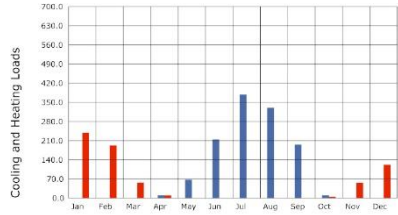
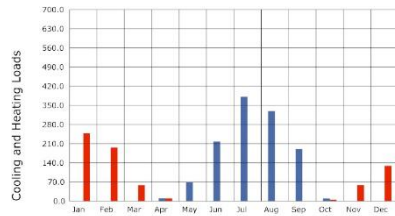
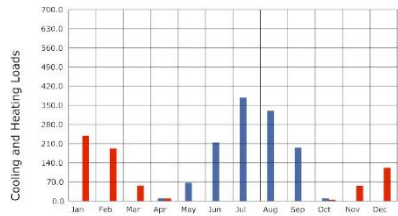
## DEGREE DAYS OF DIFFERENT AMOUNT OF PANEL 1



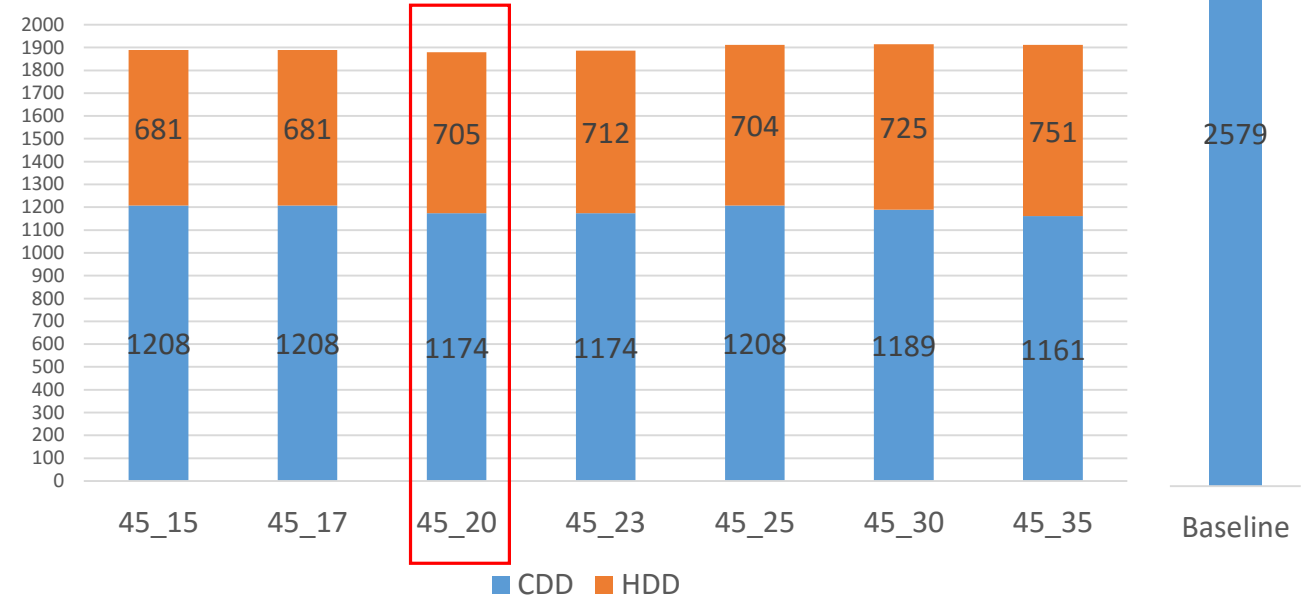
Panel 1: (blue) 45%  
Panel 2: (magenta) 20%

The number of panel 1 is tested from 30% to 55 %, while keep panel 2 number in 20% of all.

Different combinations show slightly different value of Degree-Day, and the combination, 45% of panel 1, has the best result (total:1897).



## DEGREE DAYS OF DIFFERENT AMOUNT OF PANEL 2



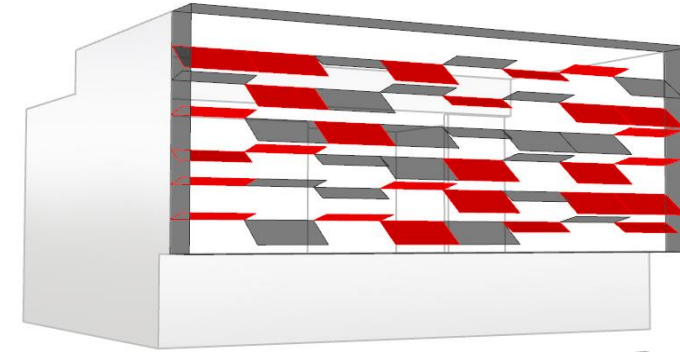
Panel 1: (blue) 45%  
Panel 2: (magenta) 20%

The number of panel 2 is tested from 15% to 35 %, while keep panel 1 number in 45% of all.

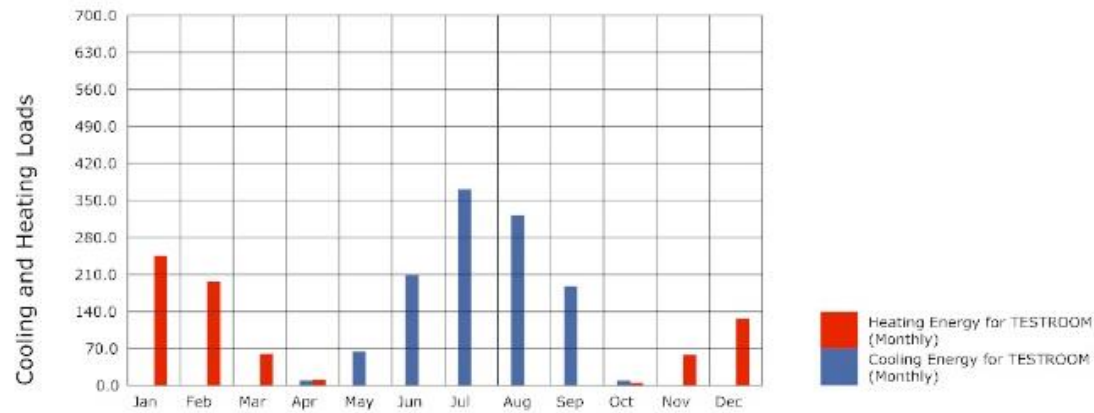
Different combinations show slightly different value of Degree-Day, and the combination, 20% of panel 2, has the best result (total: 1879).



Panel 1: (blue) 45%  
 Panel 2: (magenta) 20%  
 Panel 3: (yellow) 35%



Red colored panels indicate panels controlled manually, while the rest are randomly assigned to one of three panels.



Philadelphia International Ap PA USA TMY3  
 Panel\_1 Panel\_2:0.45\_0.2(%)  
 CDD:1174 HDD:705  
 Total:1879

New adjustment is based on the design, which provides enough daylight for this interior space without potential glare, while user is working in front of screen.

Changing percentage of panel 1 and panel 2, affects the heating degree days and cooling degree days, and the results shown in previous two slides show the best combination of panel 1 and panel2 in terms of cooling and heating loads, is 45% and 20%.