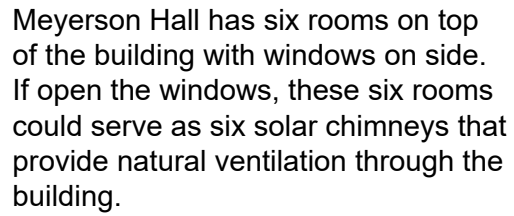
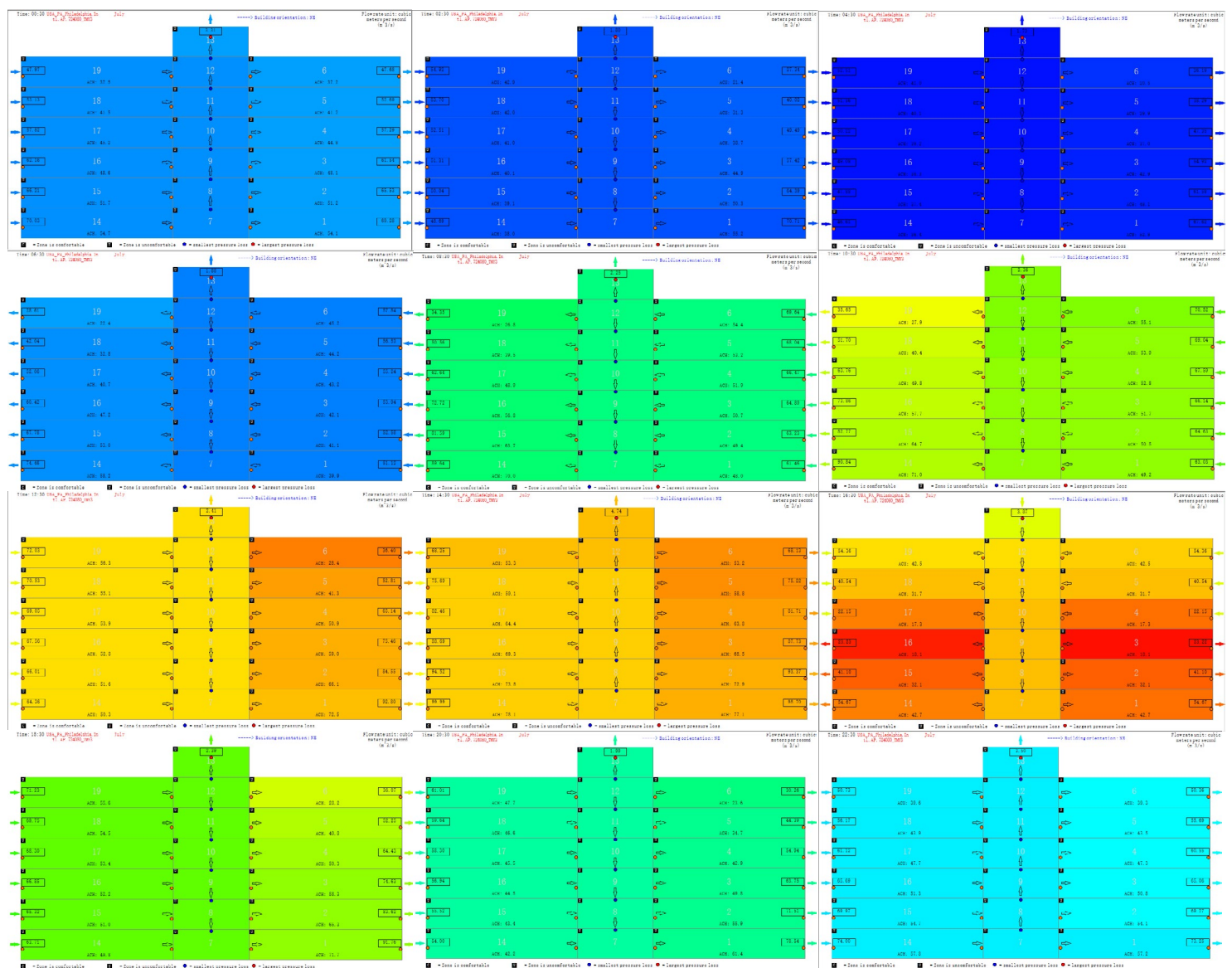


1. Natural ventilation



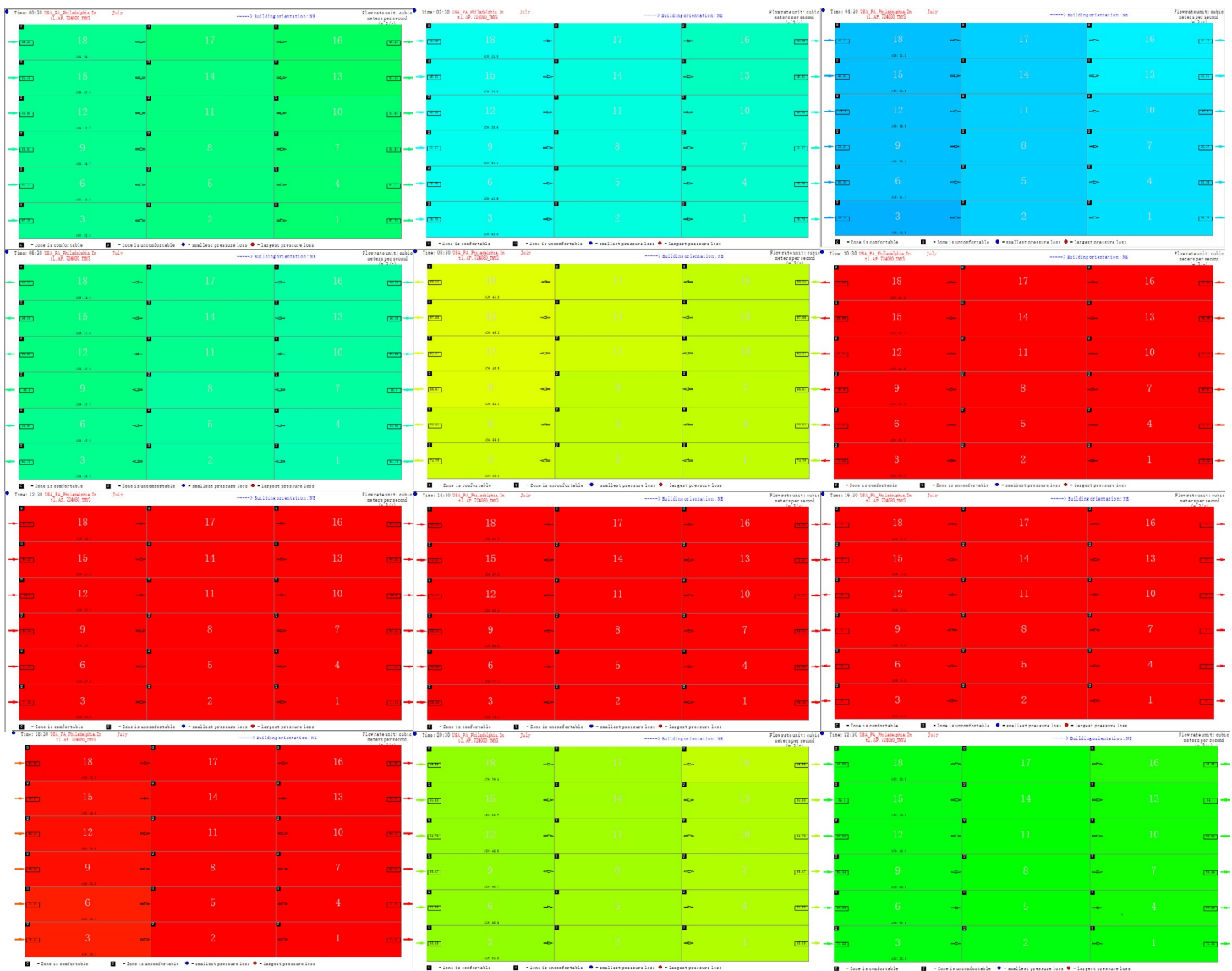
a. Center atrium



















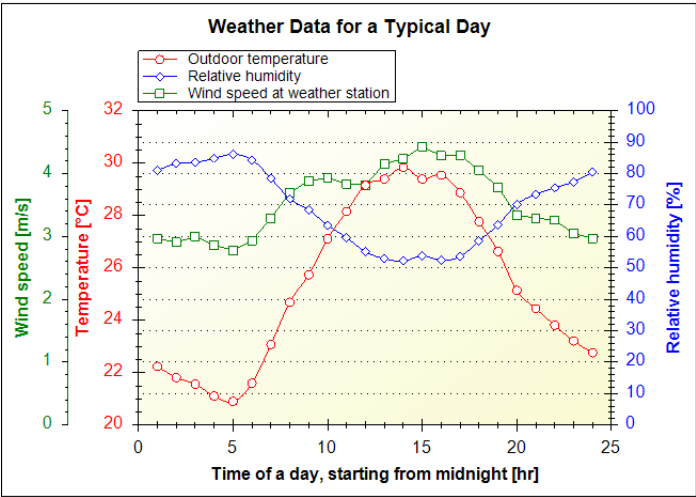
thermal comfort analysis

a. Cross Ventilation



	18	00:00 hot 0% cold 9.1% comfort of total number of occupied hours		17	01:00 hot 0% cold 8.8% comfort of total number of occupied hours		16	02:00 hot 0% cold 8.5% comfort of total number of occupied hours
	15	03:00 hot 0% cold 8.2% comfort of total number of occupied hours		14	04:00 hot 0% cold 8.0% comfort of total number of occupied hours		13	05:00 hot 0% cold 7.8% comfort of total number of occupied hours
	12	06:00 hot 0% cold 8.1% comfort of total number of occupied hours		11	07:00 hot 0% cold 8.0% comfort of total number of occupied hours		10	08:00 hot 0% cold 7.9% comfort of total number of occupied hours
	9	09:00 hot 0% cold 8.0% comfort of total number of occupied hours		8	10:00 hot 0% cold 7.9% comfort of total number of occupied hours		7	11:00 hot 0% cold 7.8% comfort of total number of occupied hours
	6	12:00 hot 0% cold 7.8% comfort of total number of occupied hours		5	13:00 hot 0% cold 7.7% comfort of total number of occupied hours		4	14:00 hot 0% cold 7.6% comfort of total number of occupied hours
	3	15:00 hot 0% cold 7.5% comfort of total number of occupied hours		2	16:00 hot 0% cold 7.4% comfort of total number of occupied hours		1	17:00 hot 0% cold 7.3% comfort of total number of occupied hours

thermal comfort analysis



Comparing the two ventilation results based on center atrium and cross ventilation, the temperature is higher under cross ventilation, and the temperature is distributed more evenly in different zones of the building. Both the two results are under the weather of July, therefore center atrium is a better design for the natural ventilation of Meyerson Hall.