

Overview Measurement Data

Building 2

April 25, 2017

Author:
Mario Frei

Table of Contents

Table of Contents.....	2
Sensor List.....	3
Floor Plans and Sensor Positions.....	4
Gateway ID = 200.....	7
Node ID = 201 (Living room, south).....	8
Node ID = 202 (Dressing room, north).....	9
Node ID = 203 (Corridor, south).....	10
Node ID = 204 (Kitchen, window, north).....	11
Node ID = 205 (Bed room, window, east).....	12
Node ID = 206 (Bathroom, window, north).....	13
Node ID = 207 (Living room, south).....	14
Node ID = 208 (Boiler room, heating system, supply and return temperature).....	15
Node ID = 211 (Living room, wall, north).....	16
Node ID = 212 (Living room, windows, north).....	17
Node ID = 213 (Dressing room, wall, north).....	18
Node ID = 214 (Living room, windows, north).....	19
Node ID = 215 (Living room, wall, north).....	20
Node ID = 216 (Dressing room, wall, north).....	21
Node ID = 217 (Storage room).....	22
Node ID = 218 (Boiler room).....	23
U-Values.....	24
U-Value 214: Living room, windows, north.....	24
U-Value 215: Living room, wall, north.....	25
U-Value 216: Dressing room, wall, north.....	26

Sensor List

Node ID	Type	Location	Level
201	Air temperature, relative humidity	Living room, south	0
202	Air temperature, relative humidity	Dressing room, north	-1
203	Air temperature, relative humidity	Corridor, south	1
204	Window opening time	Kitchen, window, north	0
205	Window opening time	Bed room, window, east	0
206	Window opening time	Bathroom, window, north	0
207	CO2 concentration	Living room, south	0
208	Supply and return temperature	Boiler room, heating system, supply and return temperature	-1
209	Supply and return temperature	not installed	-
210	Supply and return temperature	not installed	-
211	Indoor and outdoor temperature	Living room, wall, north	0
212	Indoor and outdoor temperature	Living room, windows, north	0
213	Indoor and outdoor temperature	Dressing room, wall, north	-1
214	Heat flux	Living room, windows, north	0
215	Heat flux	Living room, wall, north	0
216	Heat flux	Dressing room, wall, north	-1
217	Electricity consumption	Storage room	-1
218	Oil consumption	Boiler room	-1

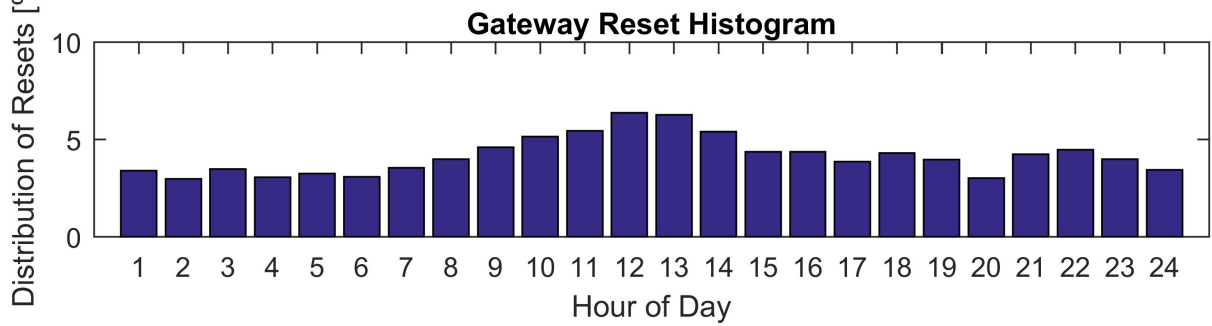
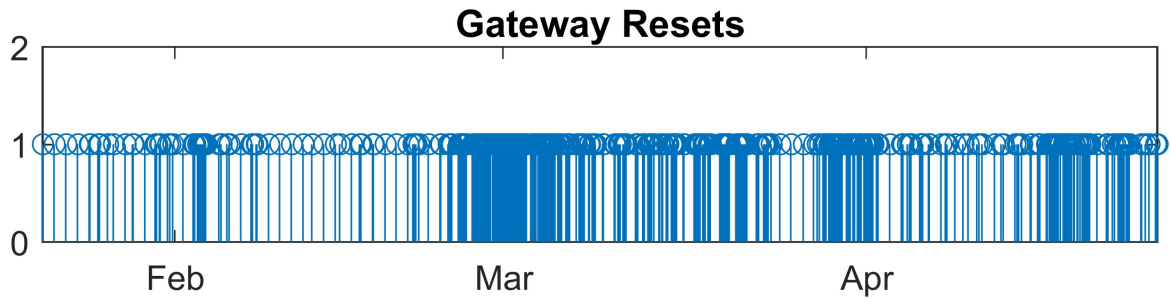
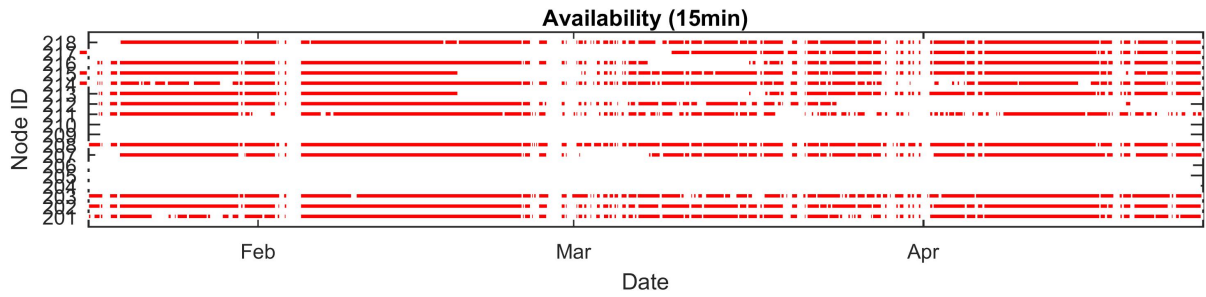
Floor Plans and Sensor Positions



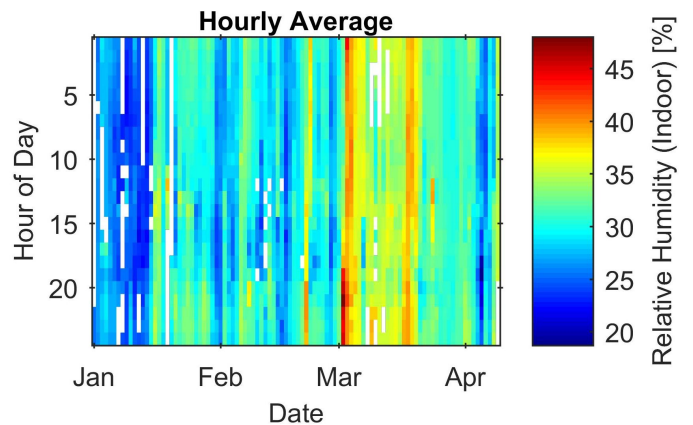
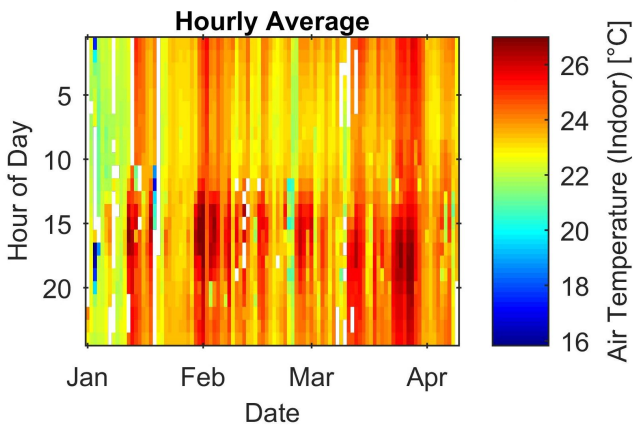
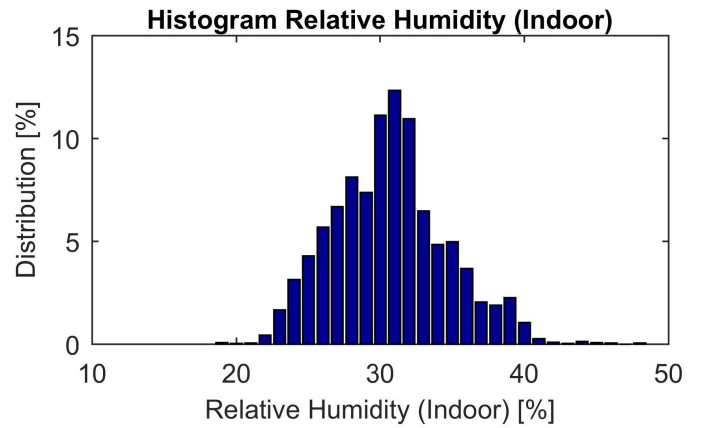
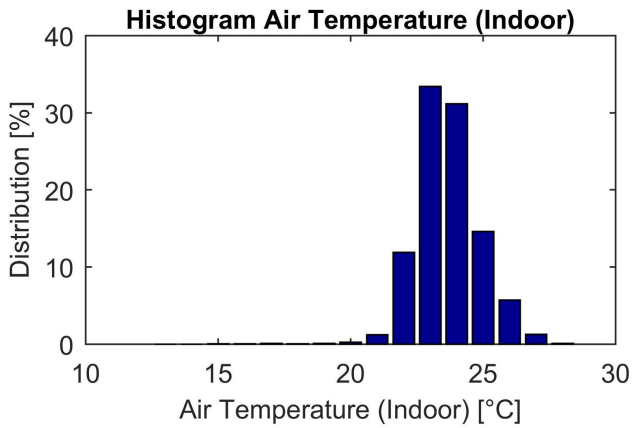
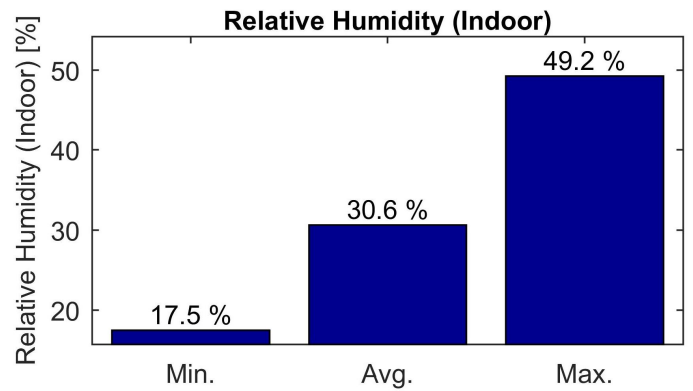
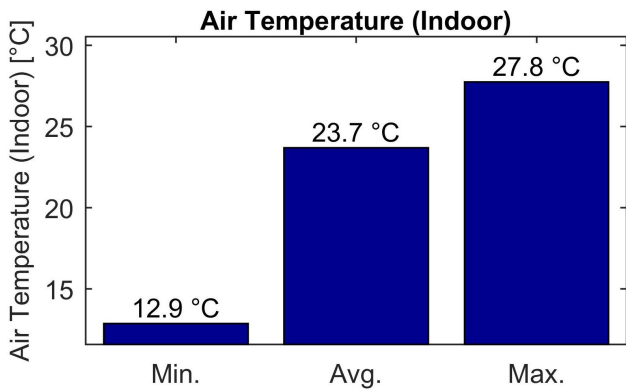
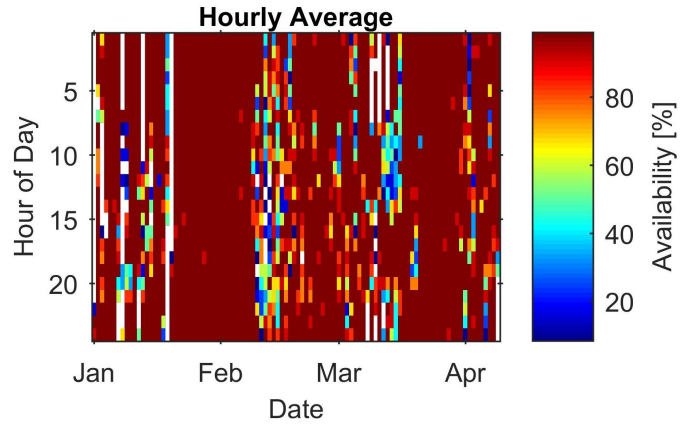
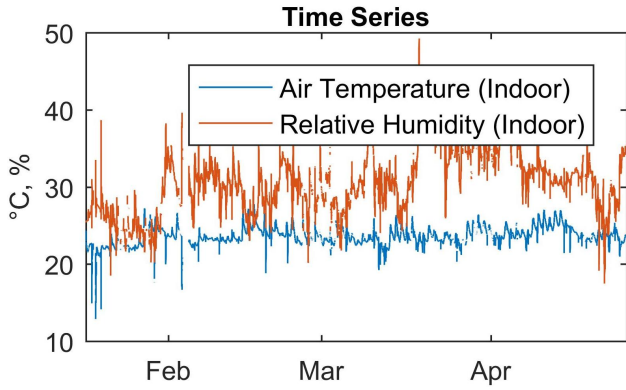
Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich



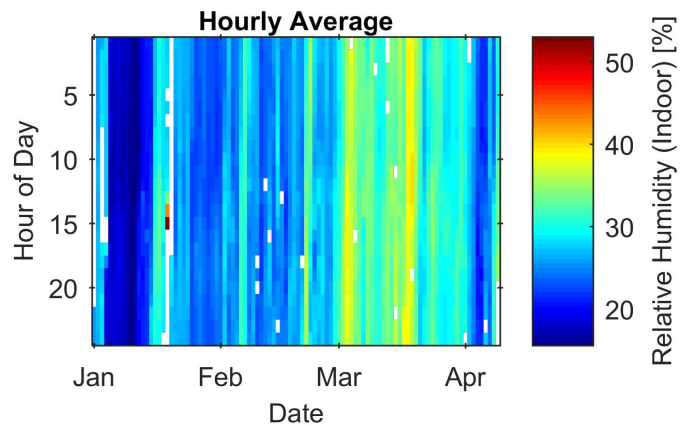
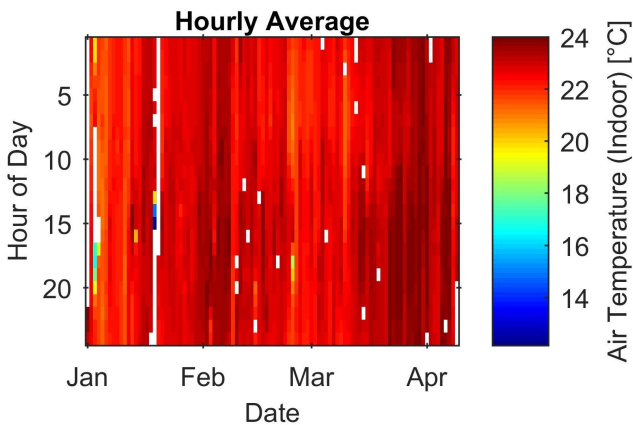
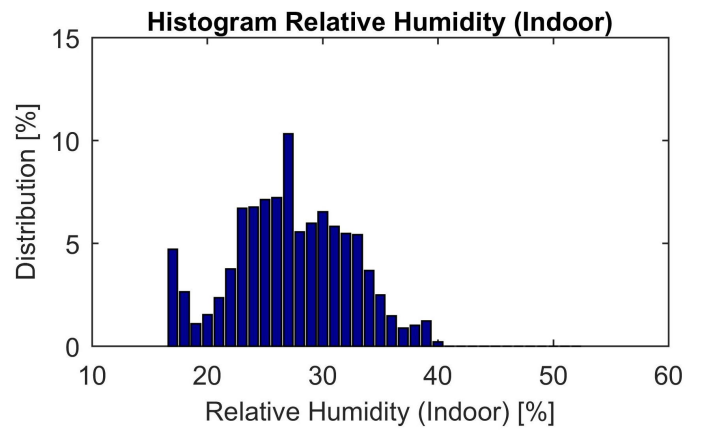
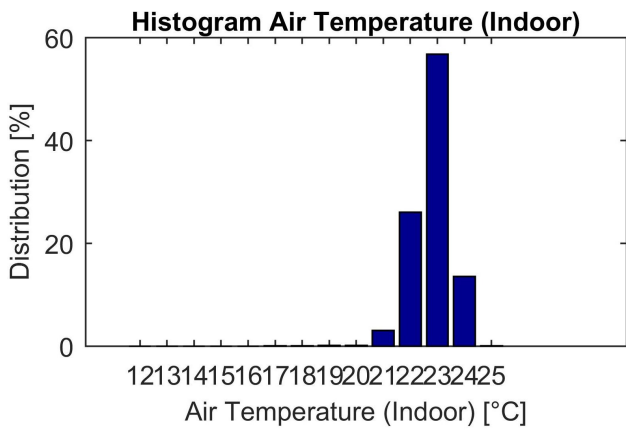
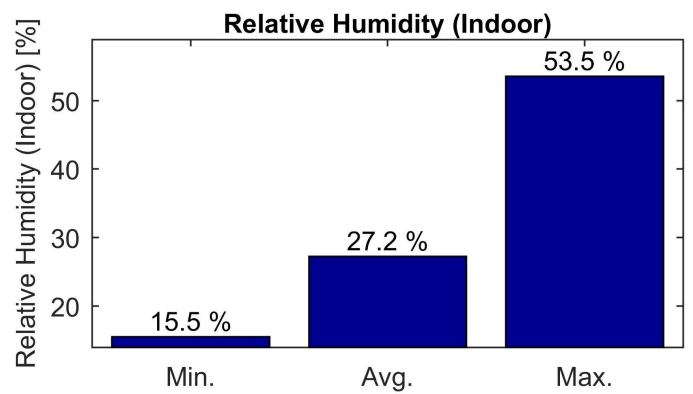
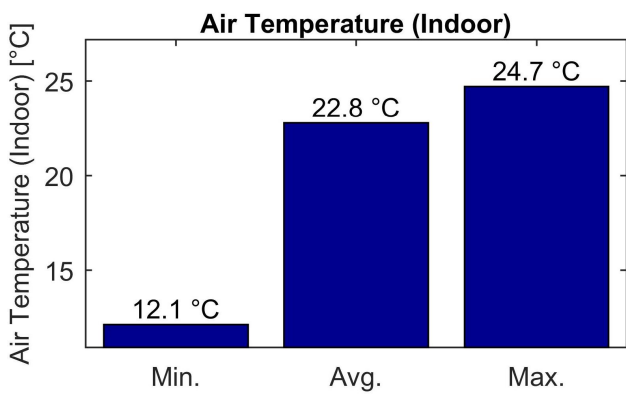
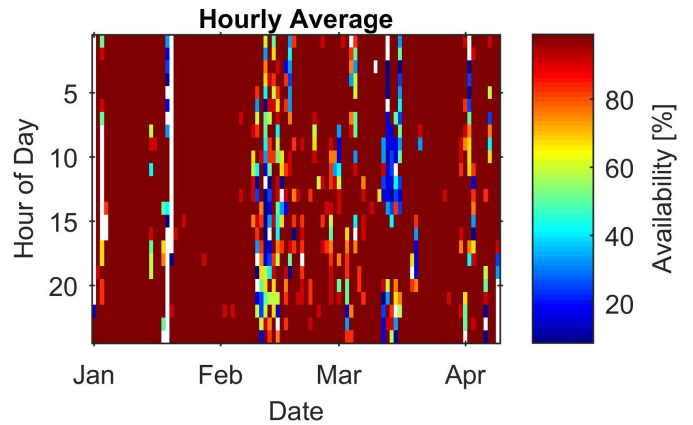
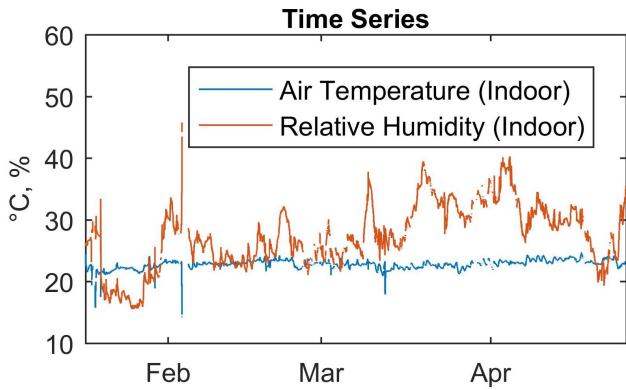
Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Gateway ID = 200

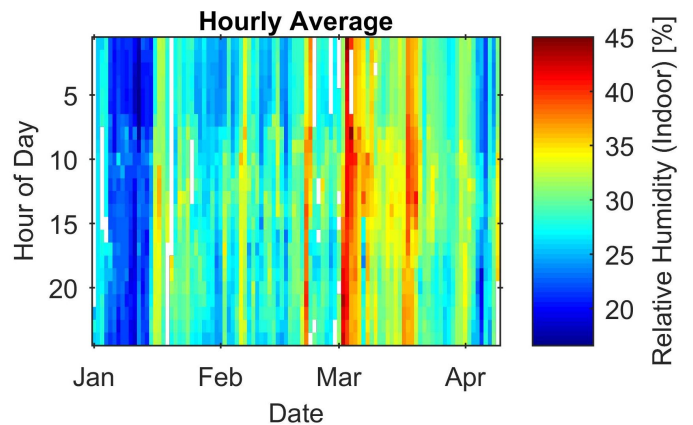
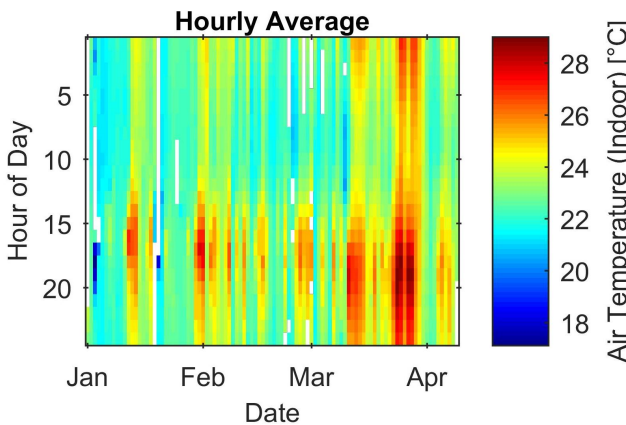
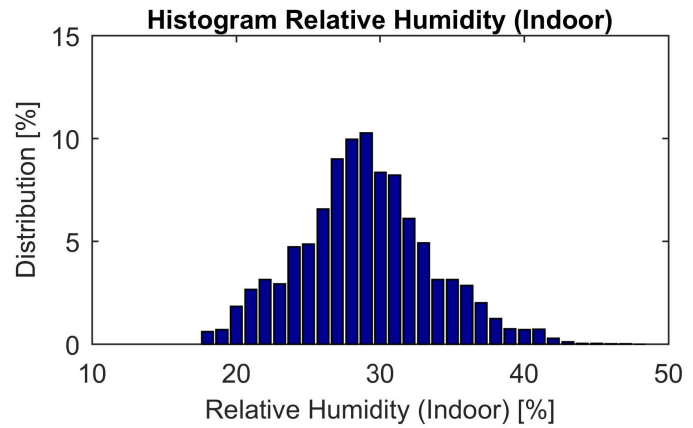
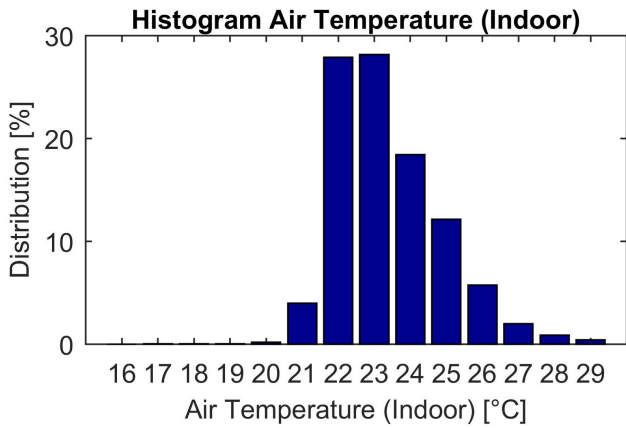
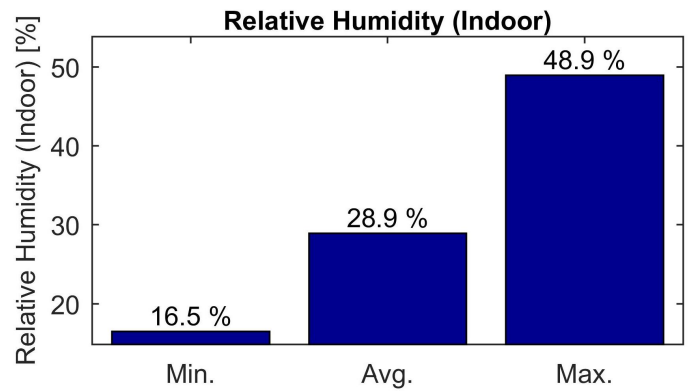
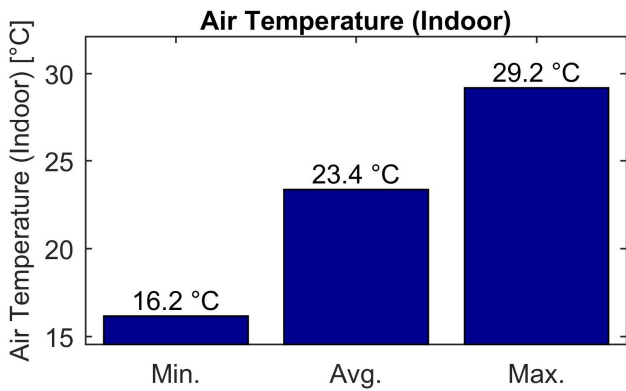
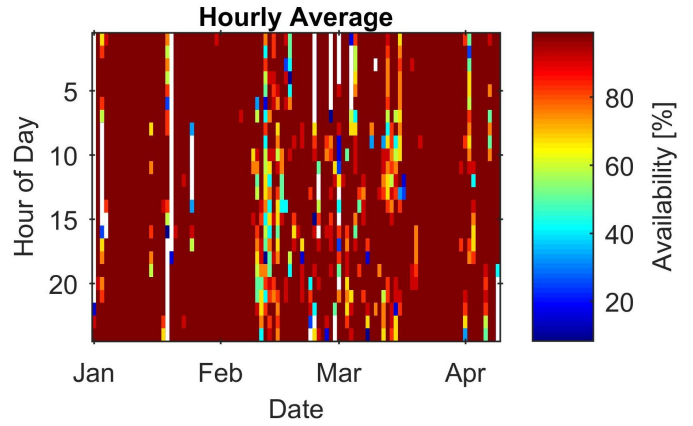
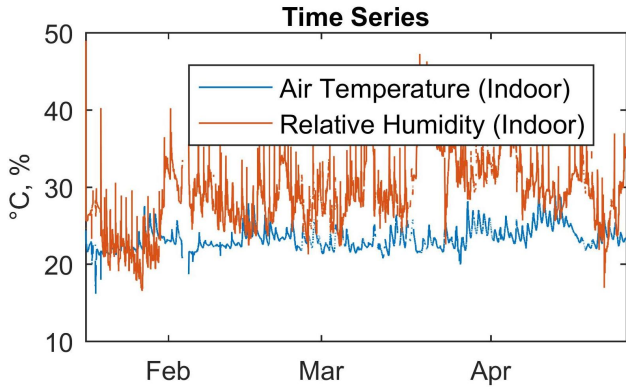
Node ID = 201 (Living room, south)



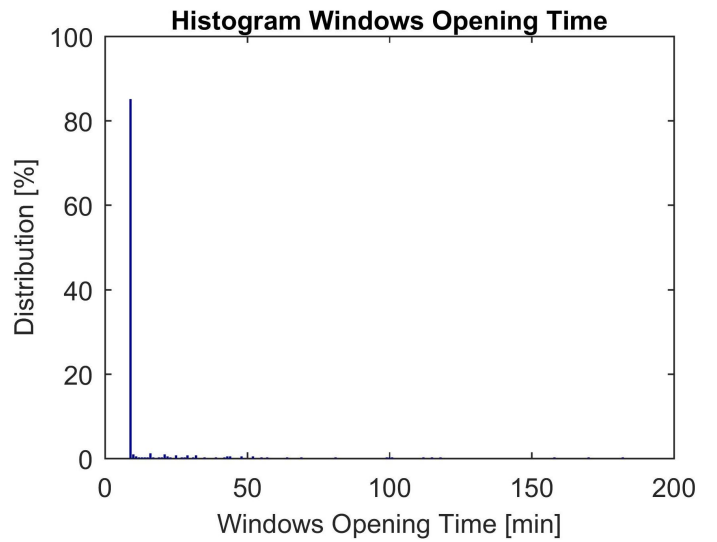
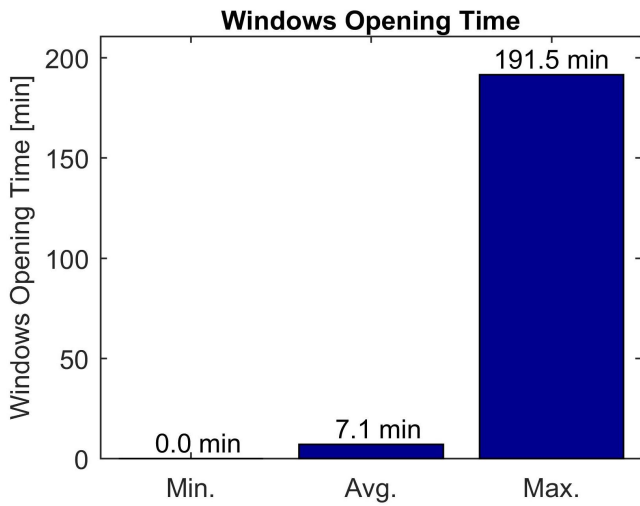
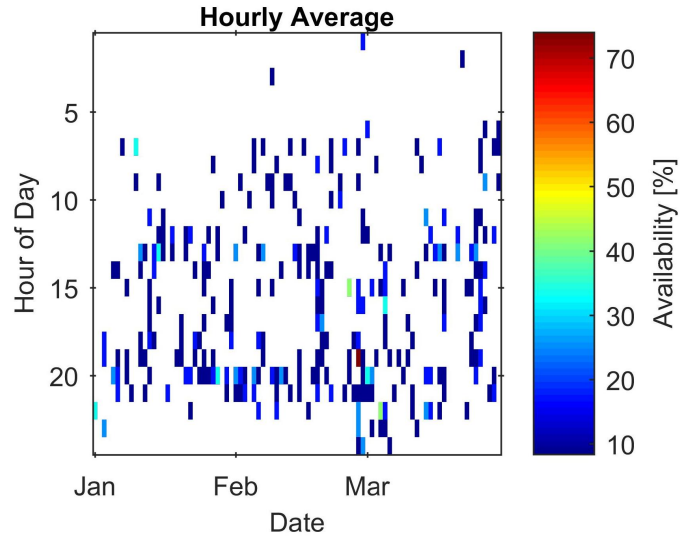
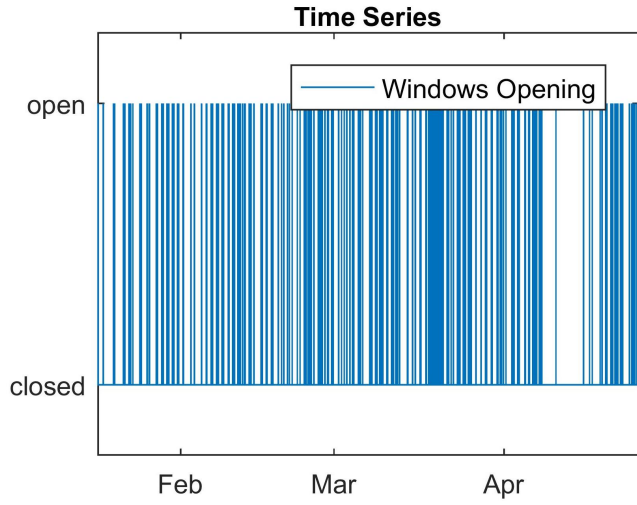
Node ID = 202 (Dressing room, north)



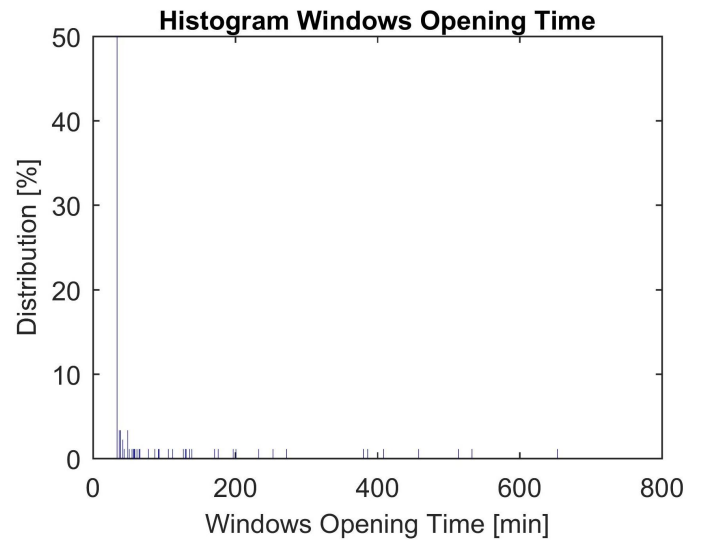
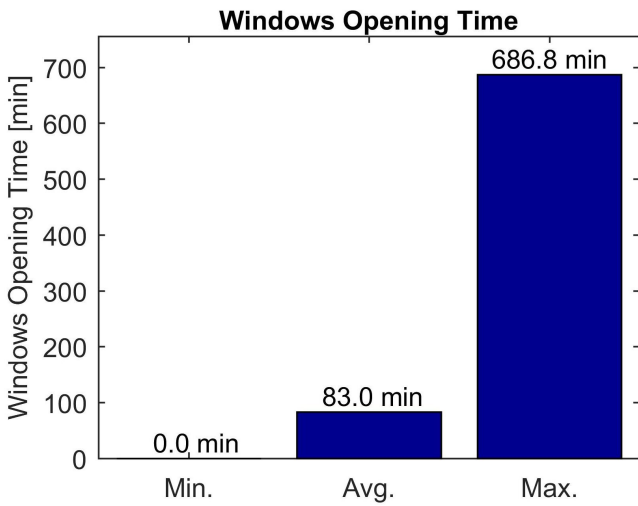
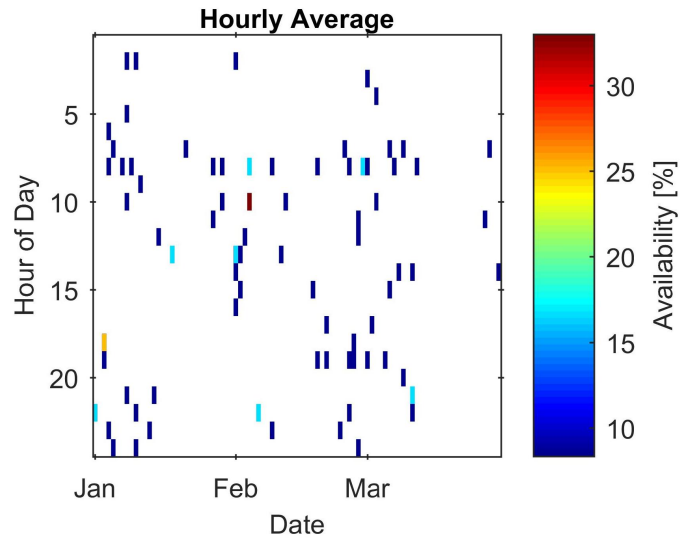
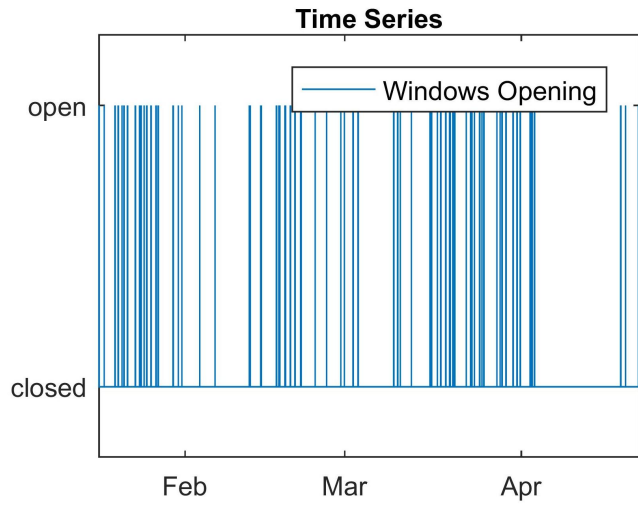
Node ID = 203 (Corridor, south)



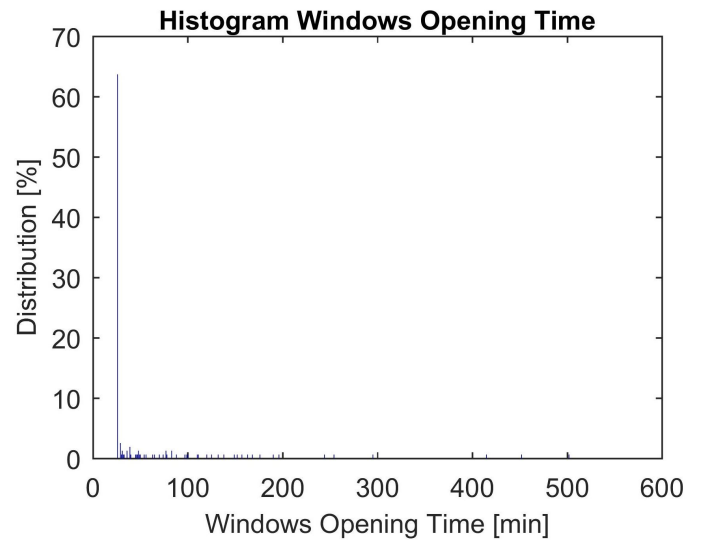
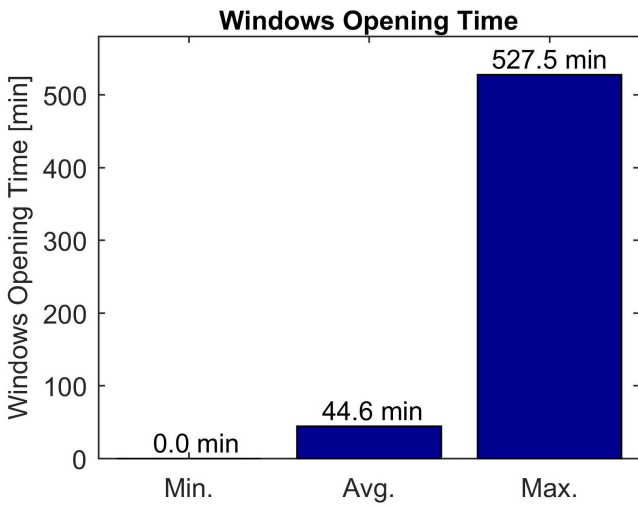
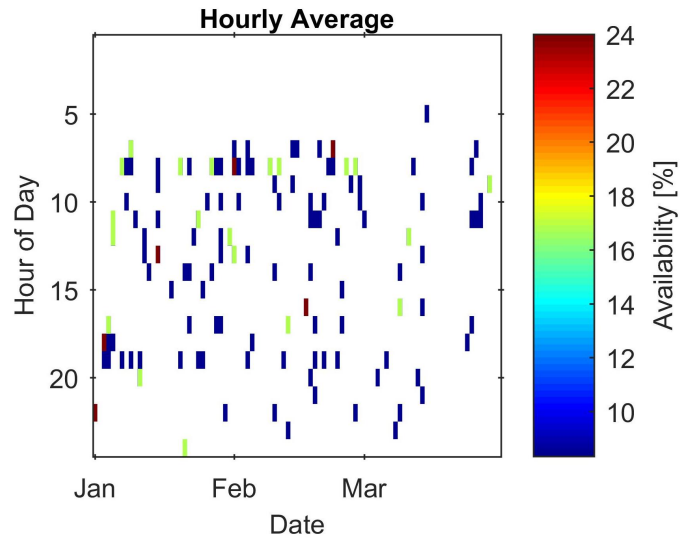
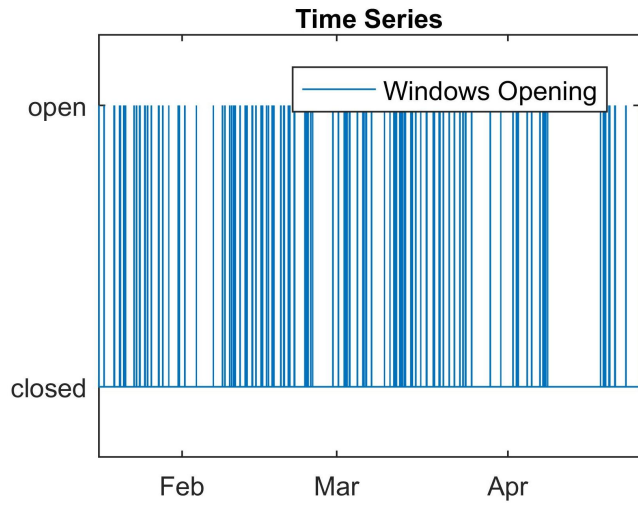
Node ID = 204 (Kitchen, window, north)



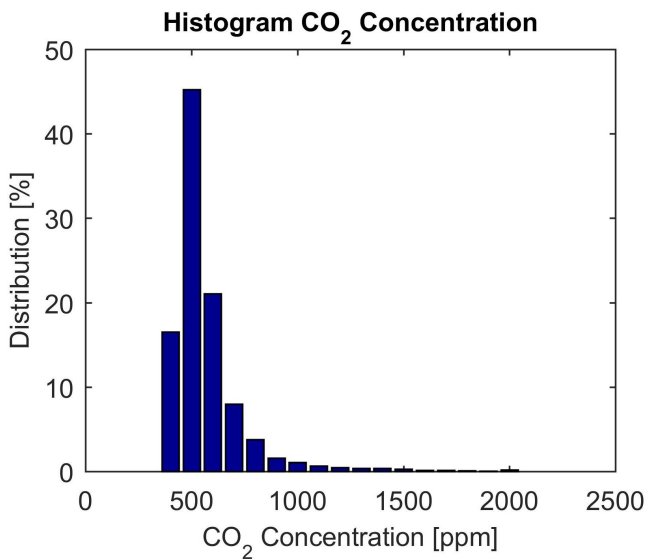
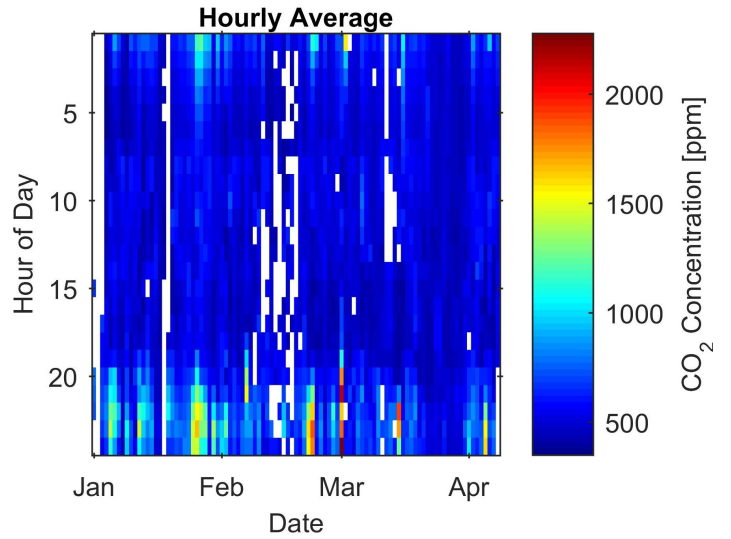
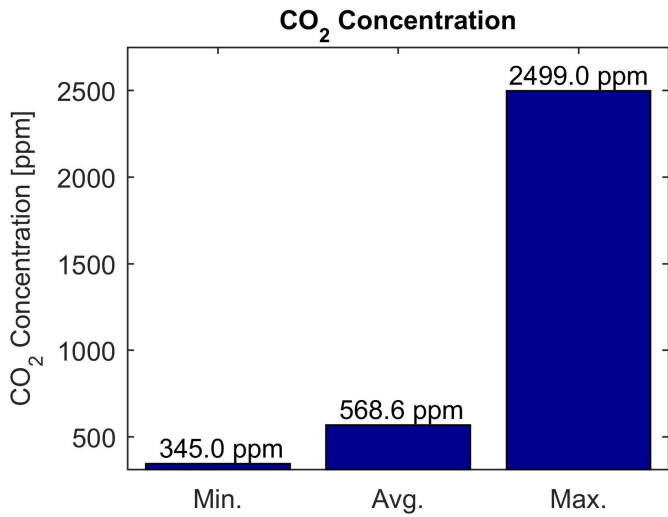
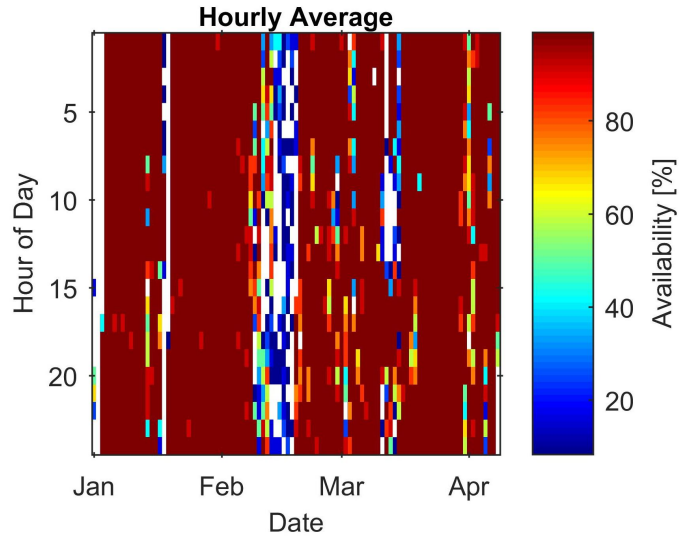
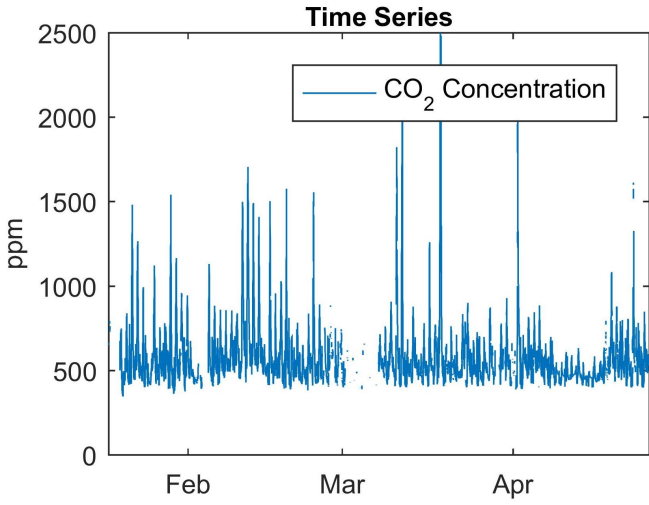
Node ID = 205 (Bed room, window, east)



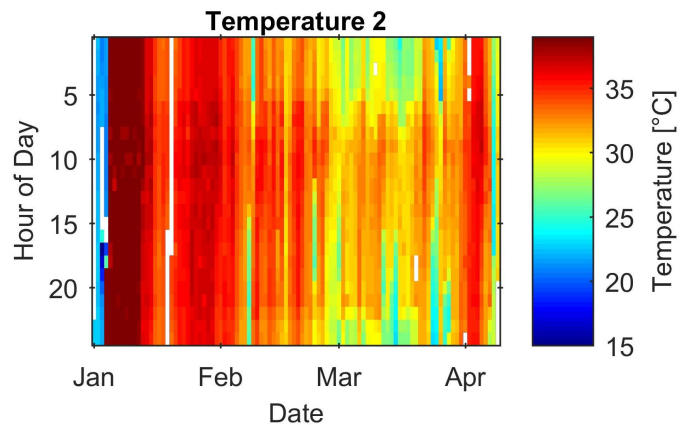
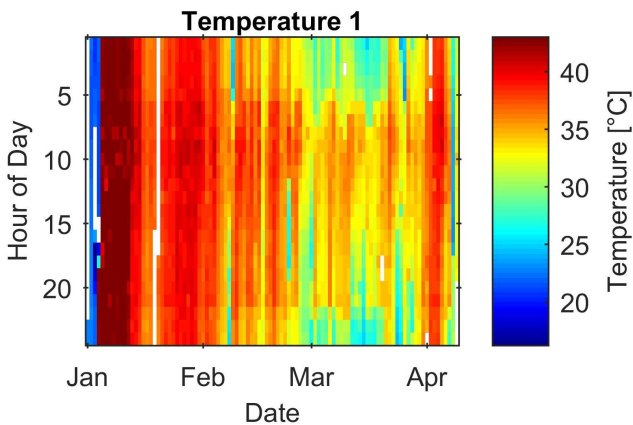
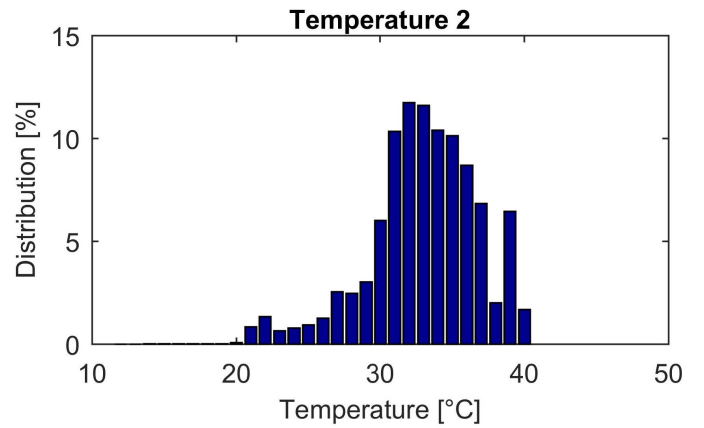
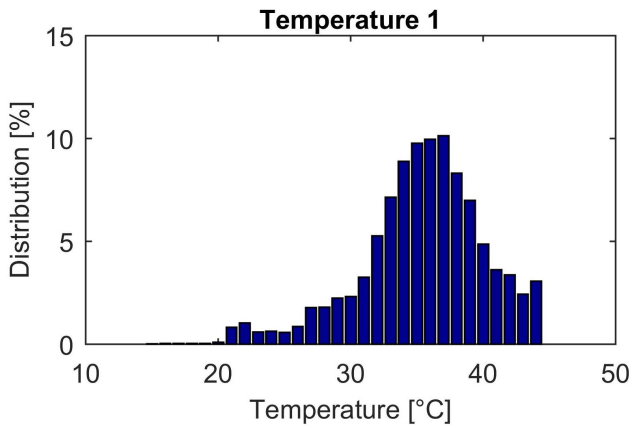
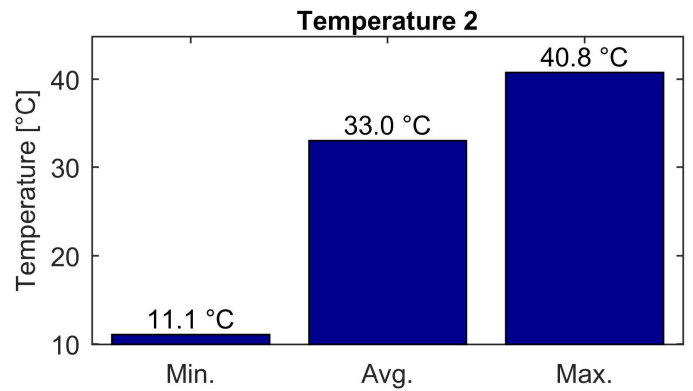
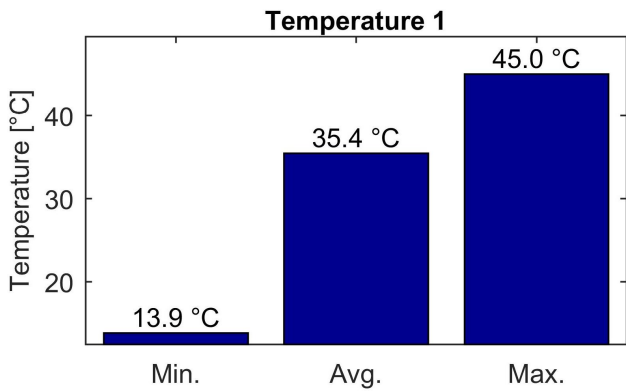
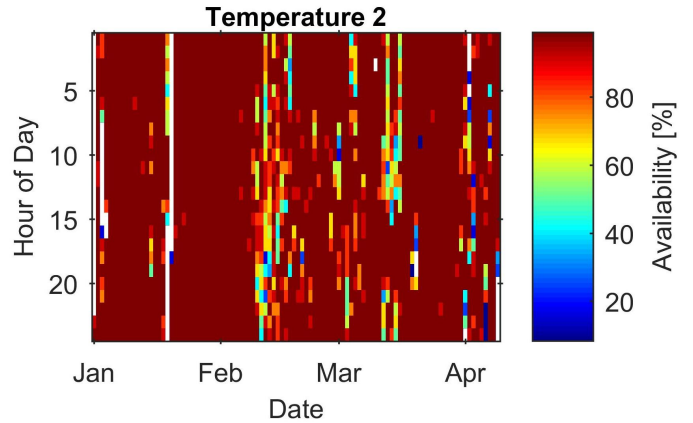
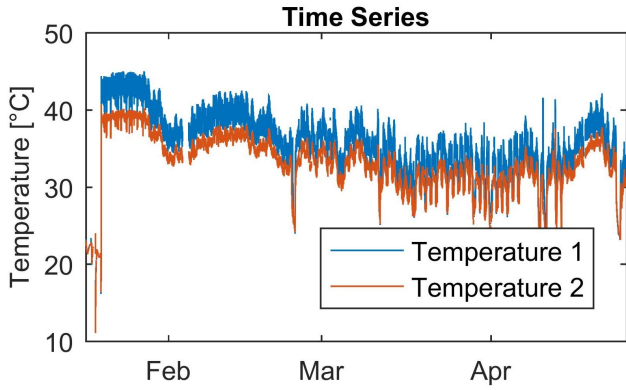
Node ID = 206 (Bathroom, window, north)



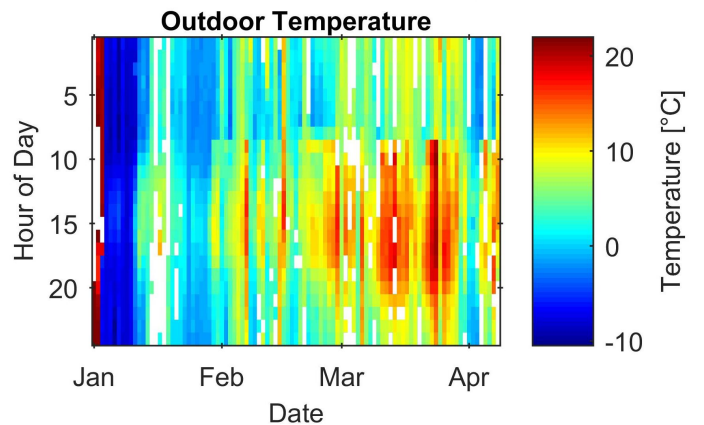
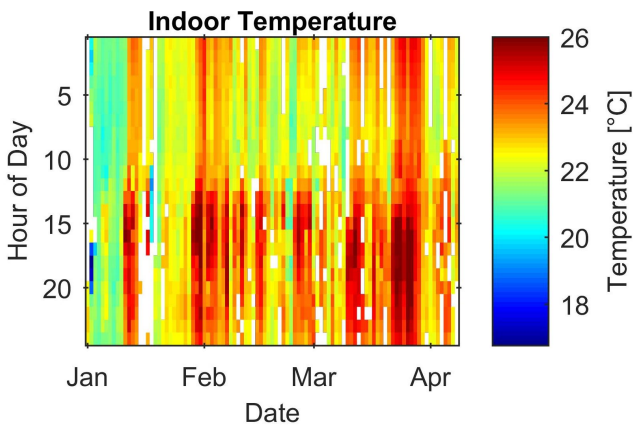
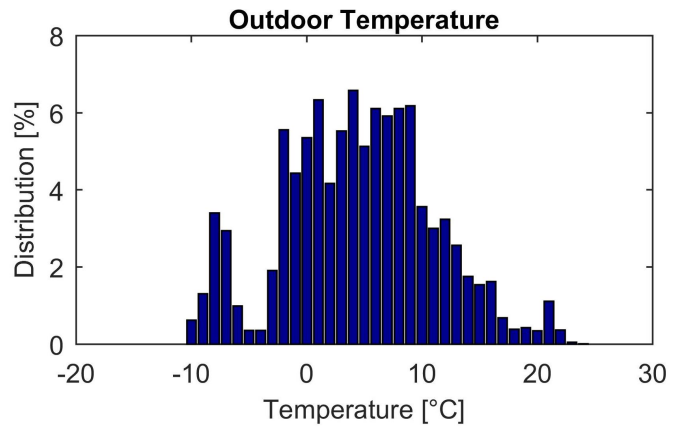
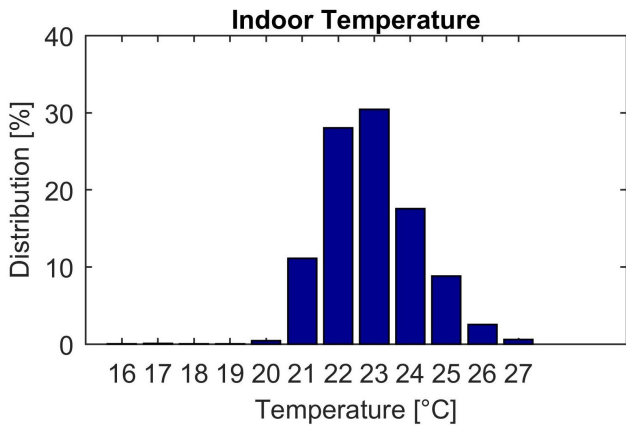
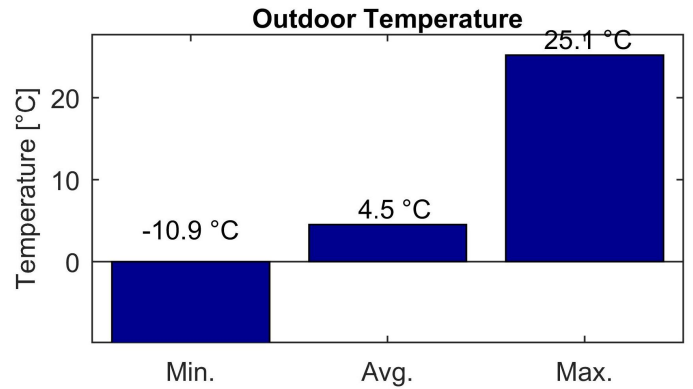
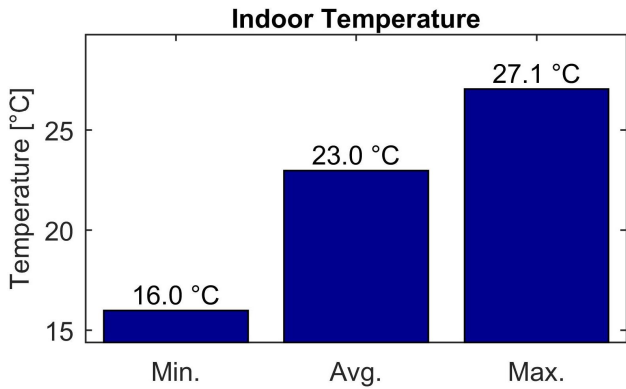
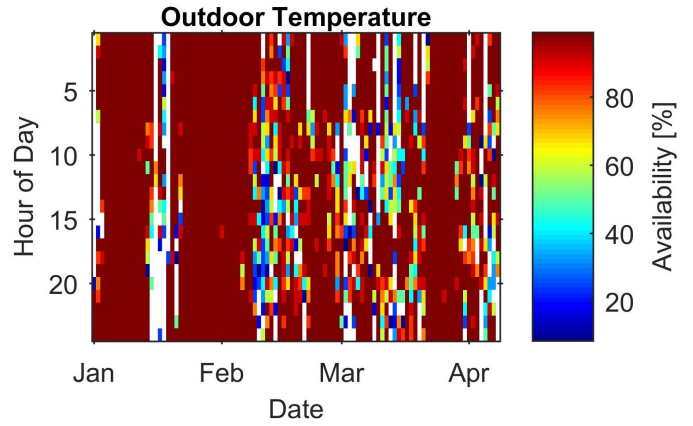
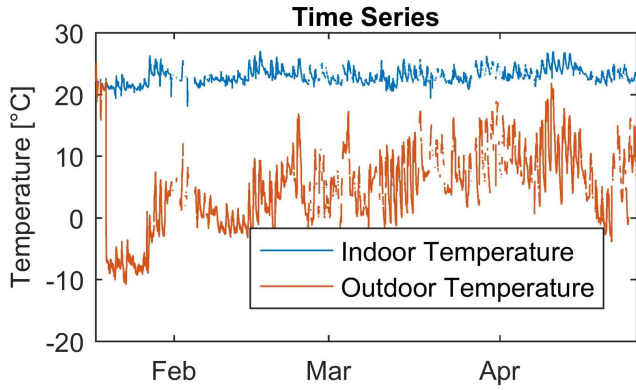
Node ID = 207 (Living room, south)



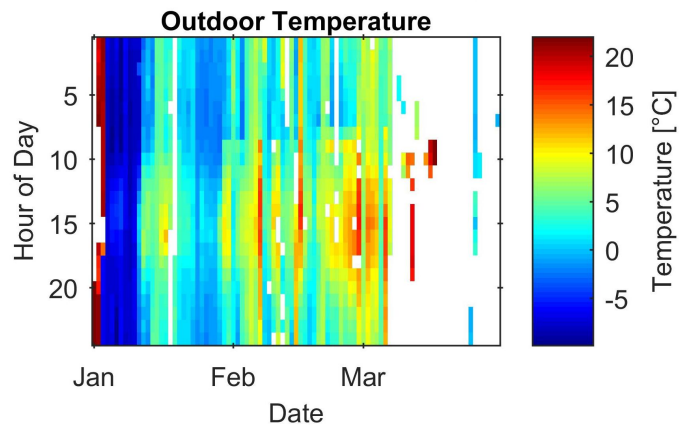
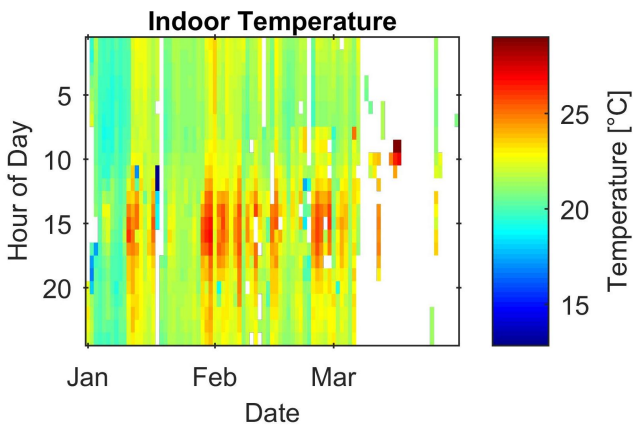
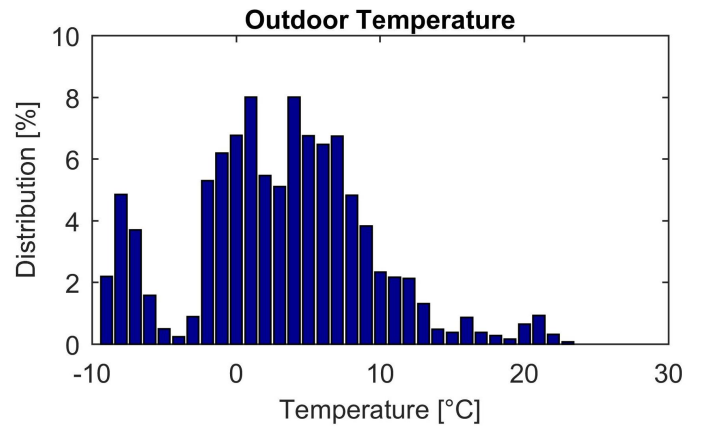
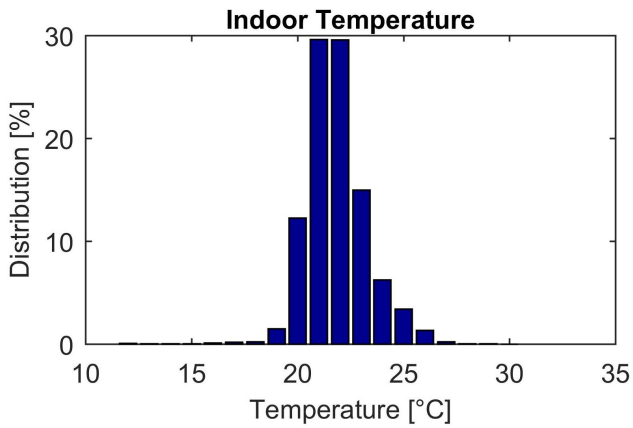
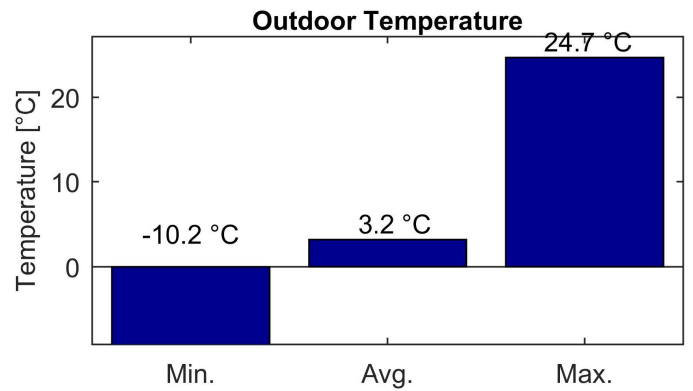
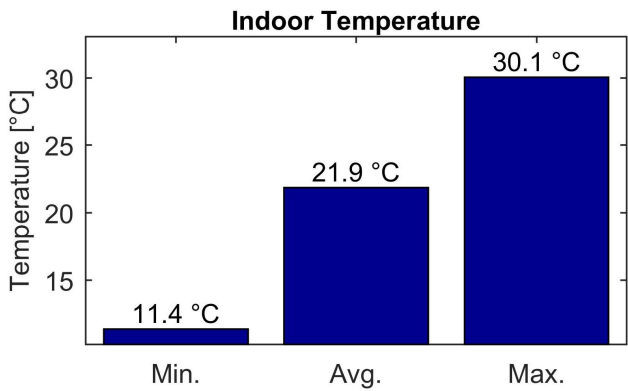
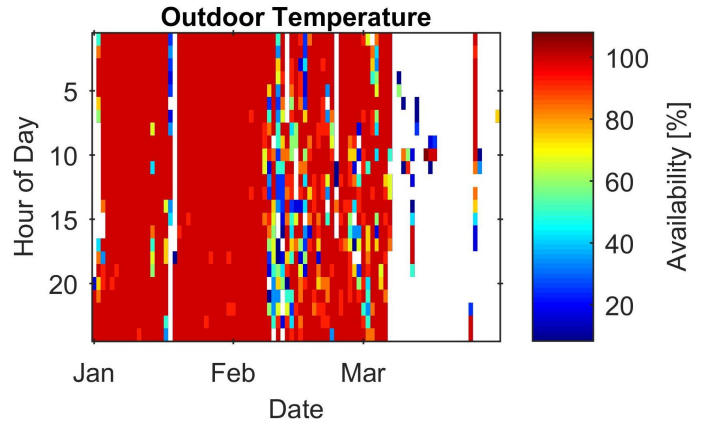
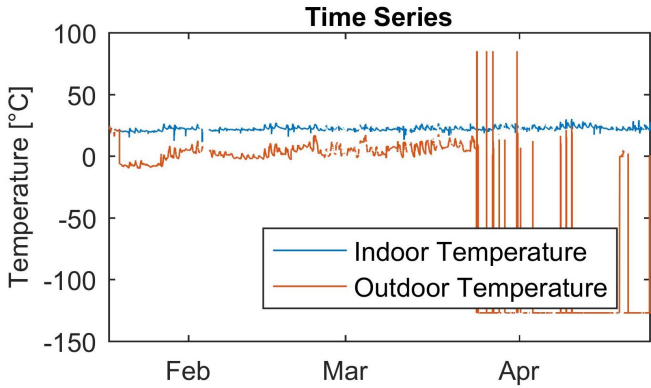
Node ID = 208 (Boiler room, heating system, supply and return temperature)



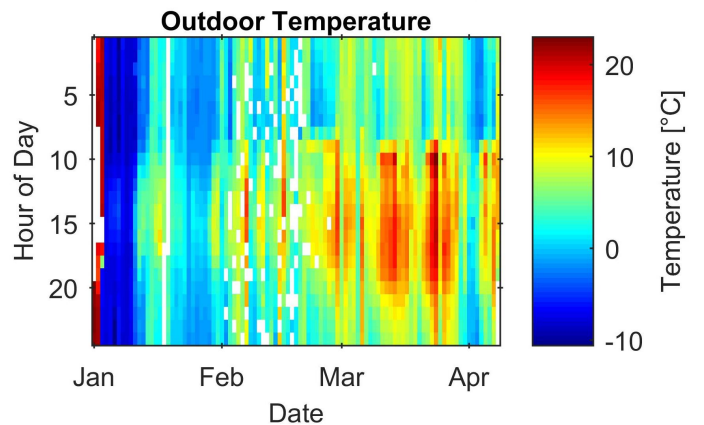
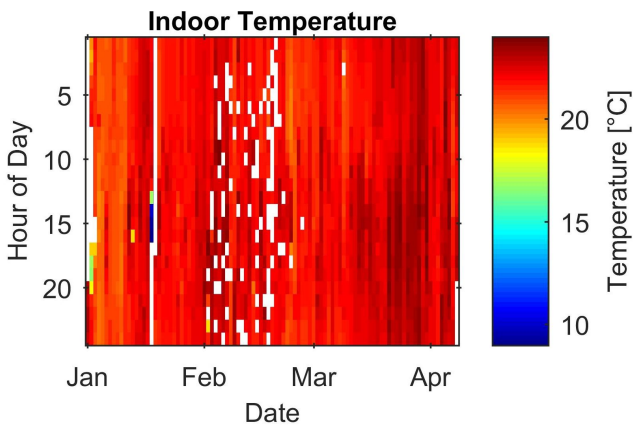
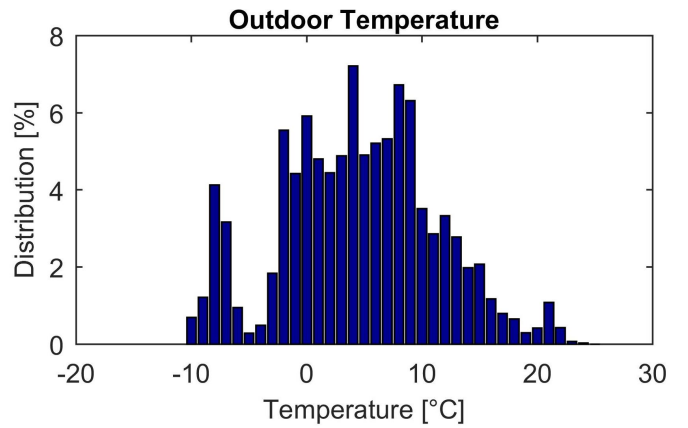
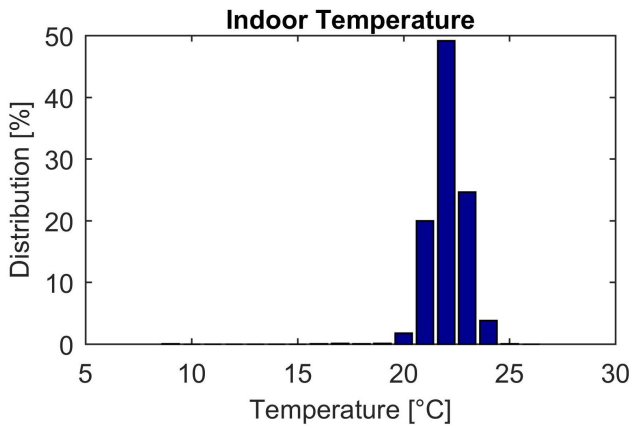
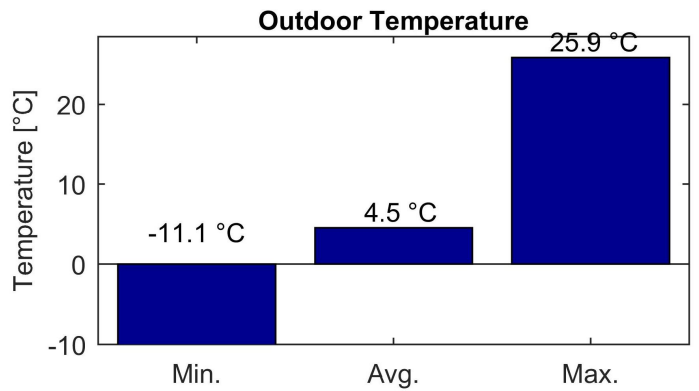
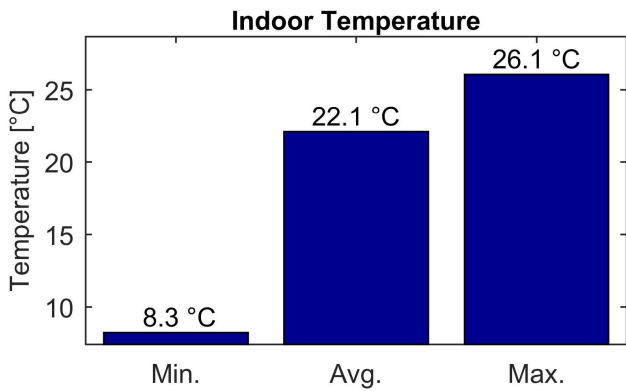
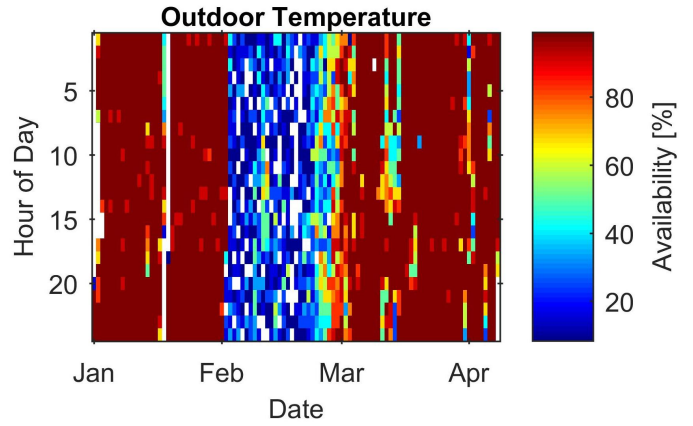
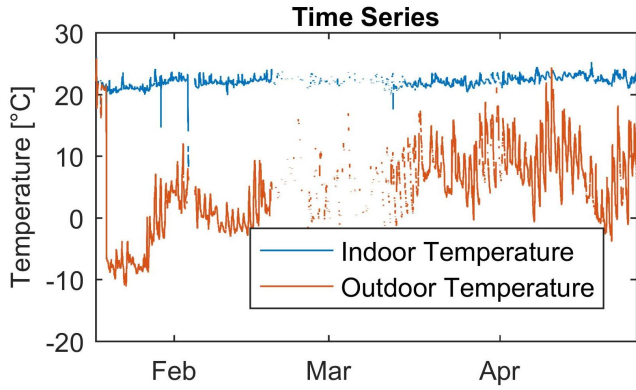
Node ID = 211 (Living room, wall, north)



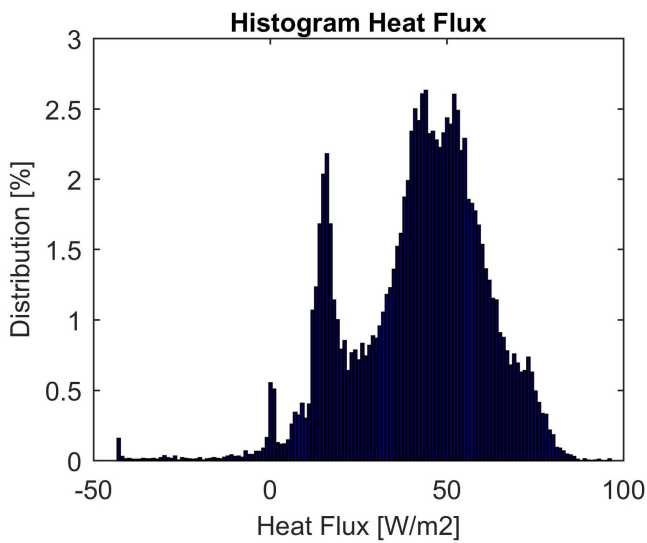
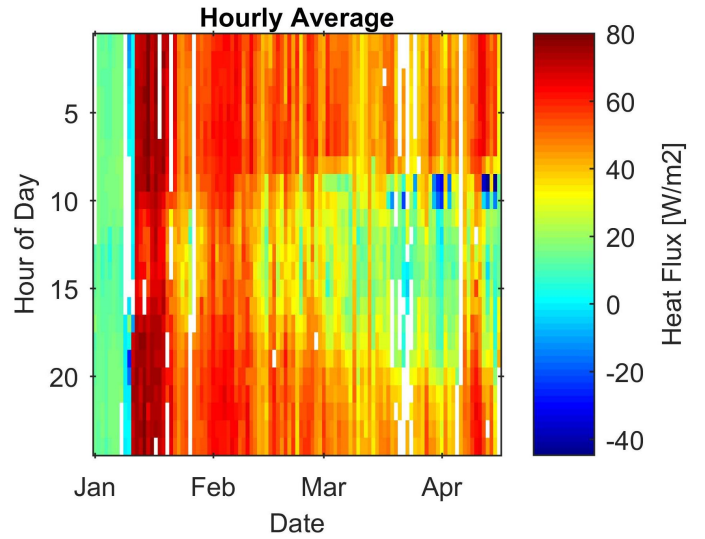
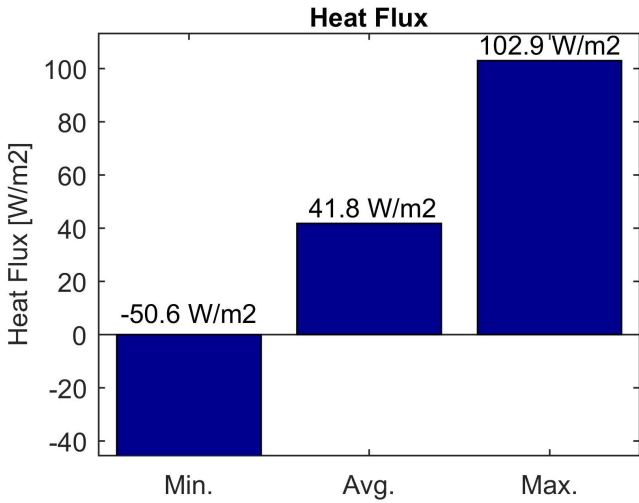
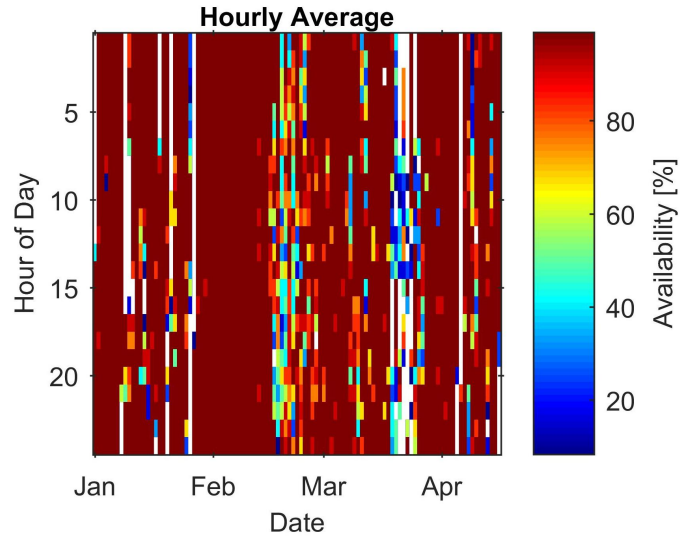
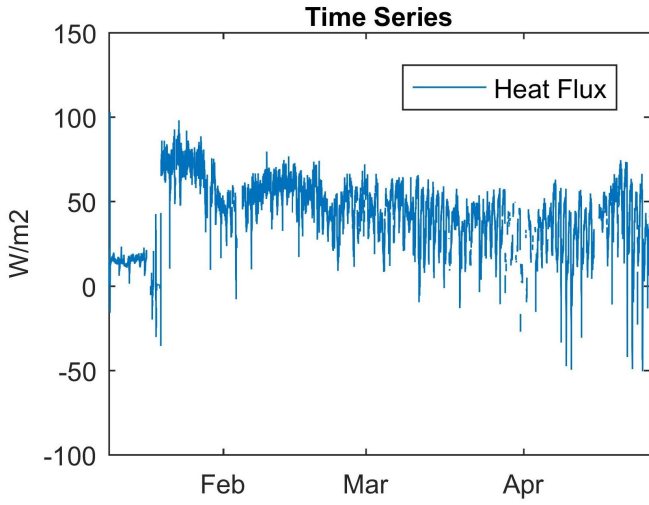
Node ID = 212 (Living room, windows, north)



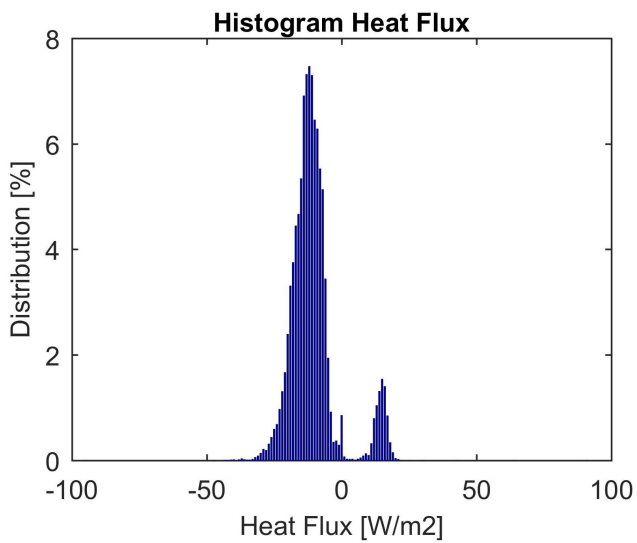
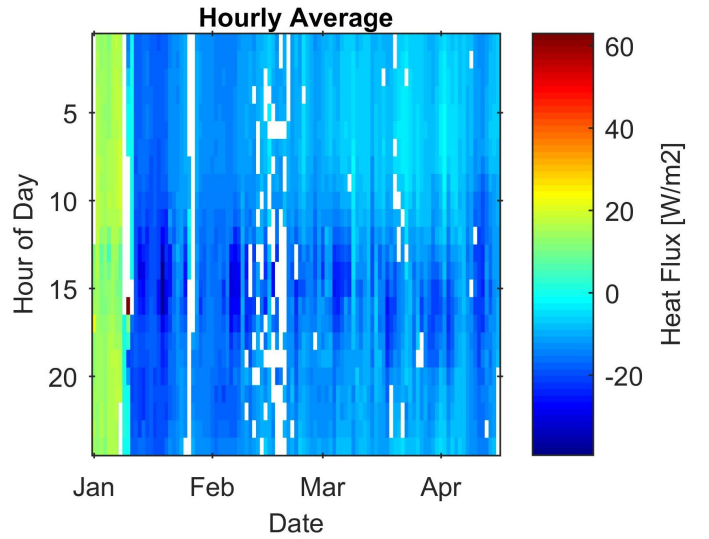
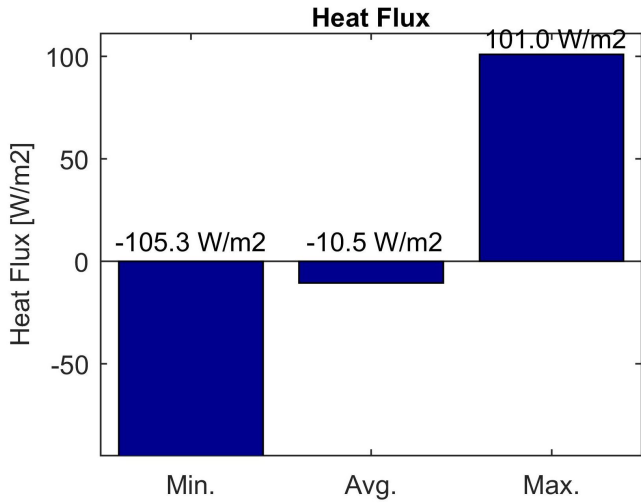
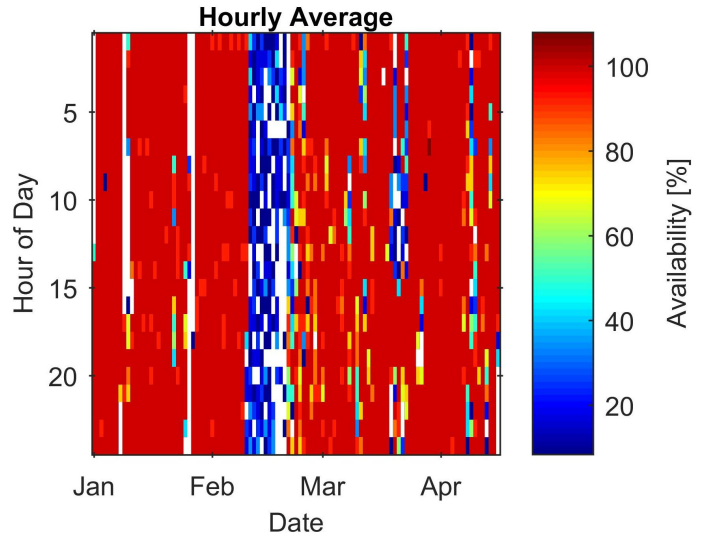
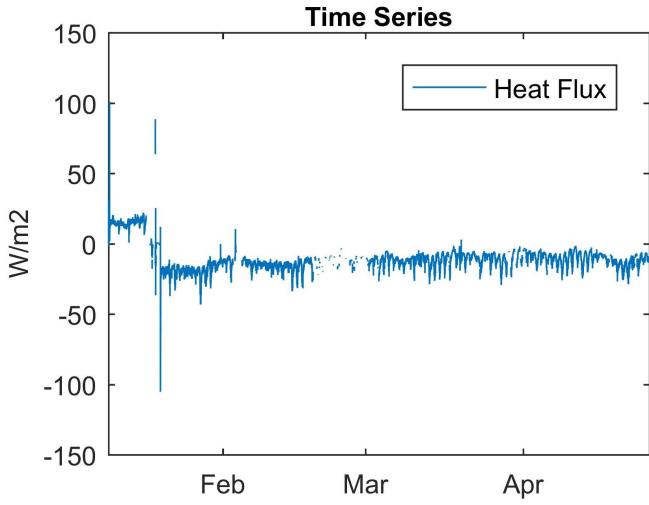
Node ID = 213 (Dressing room, wall, north)



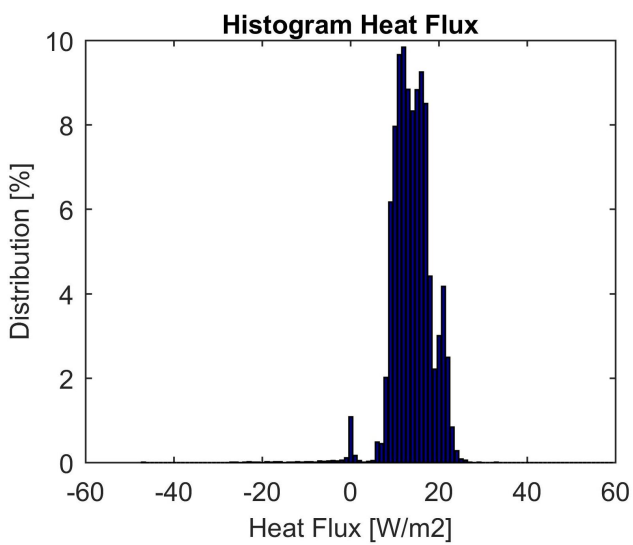
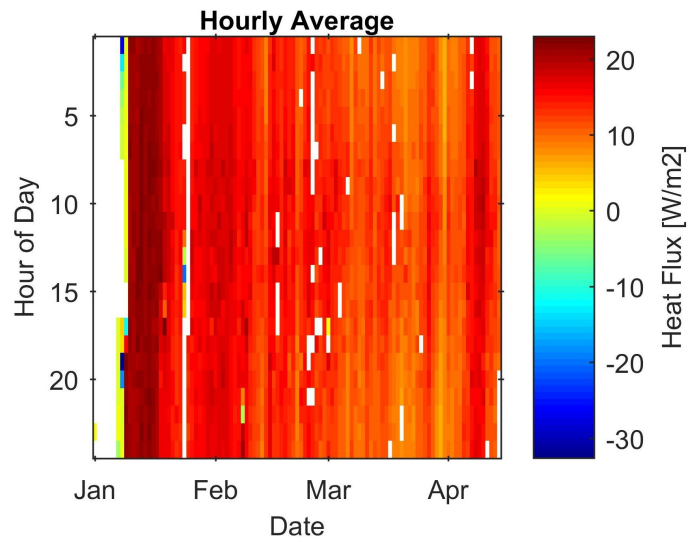
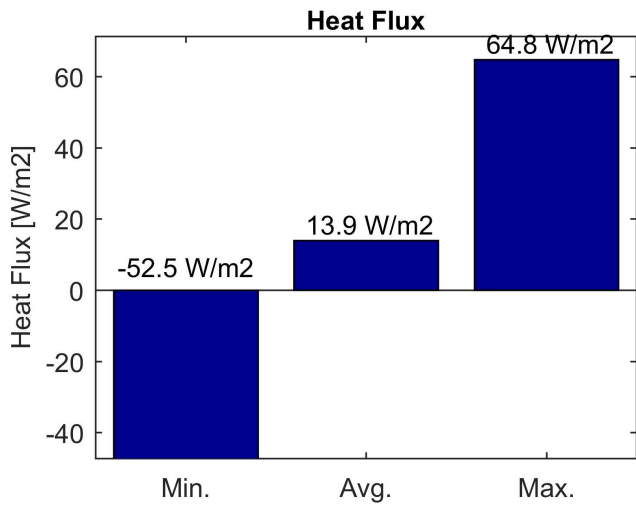
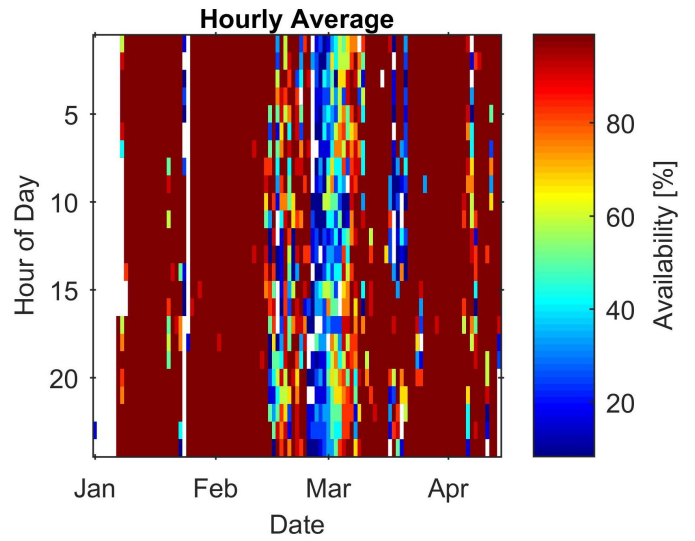
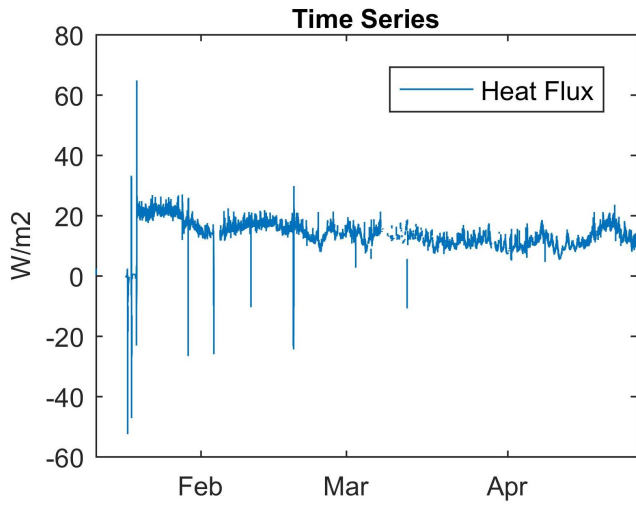
Node ID = 214 (Living room, windows, north)



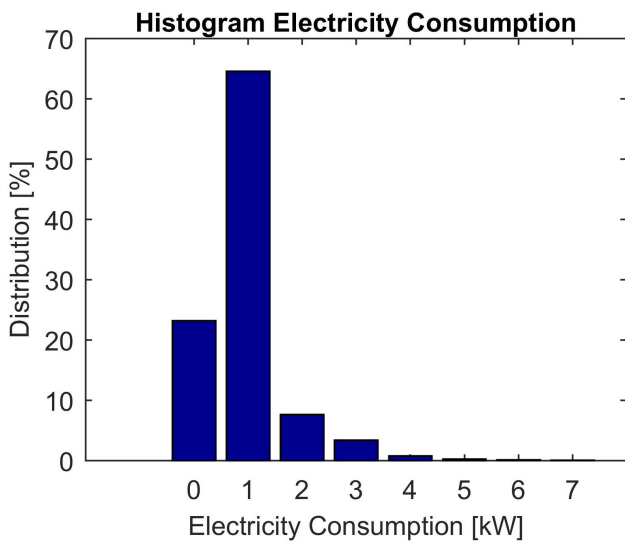
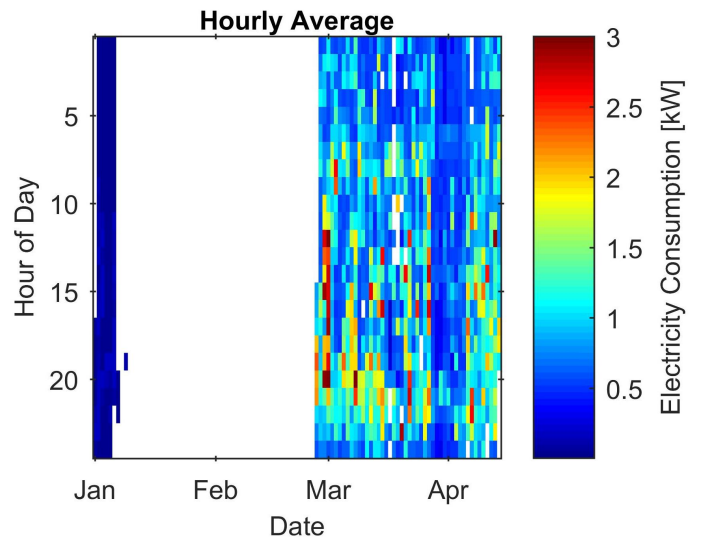
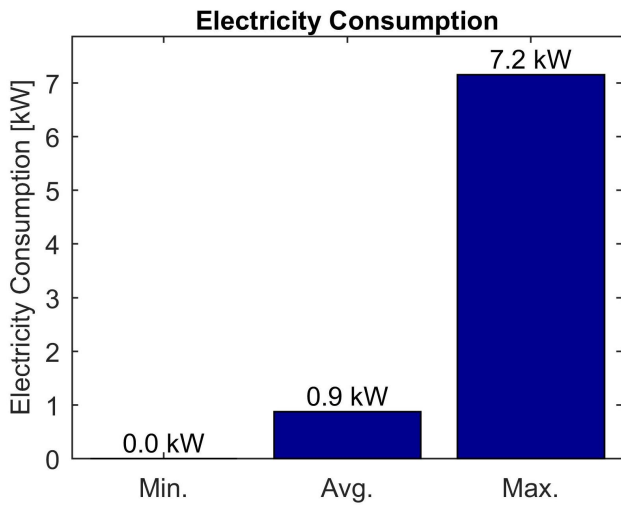
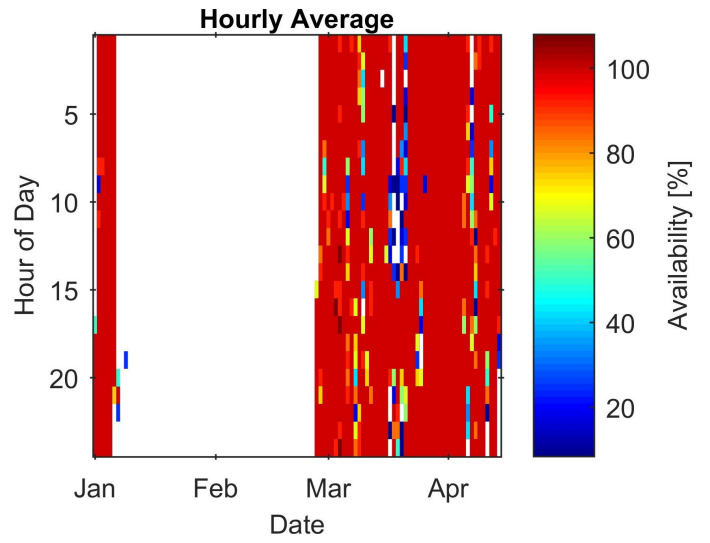
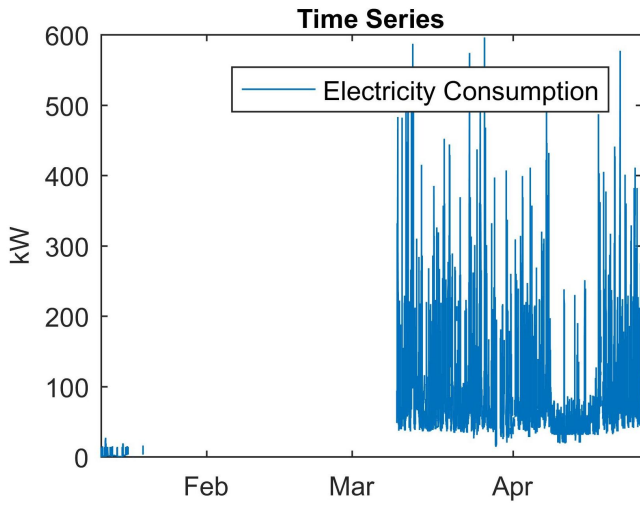
Node ID = 215 (Living room, wall, north)



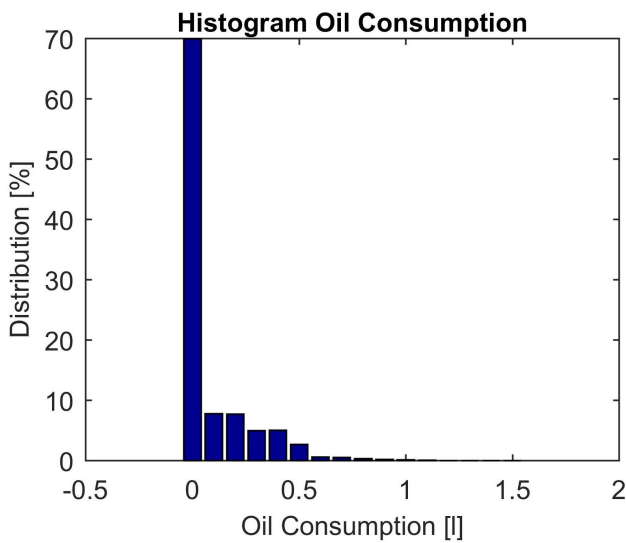
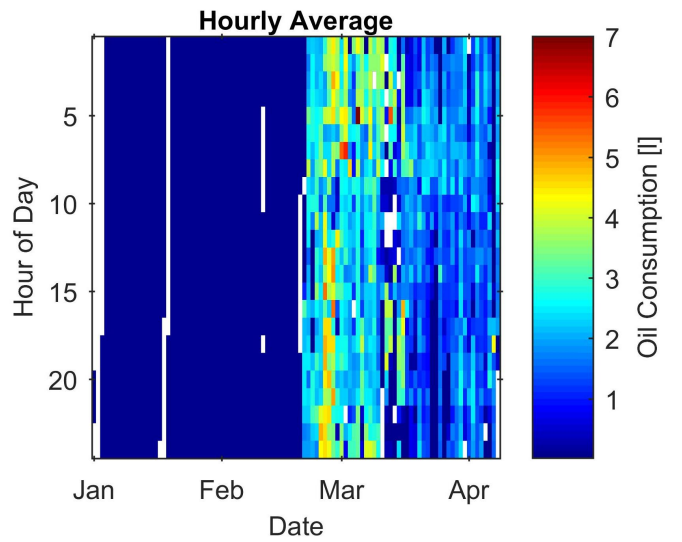
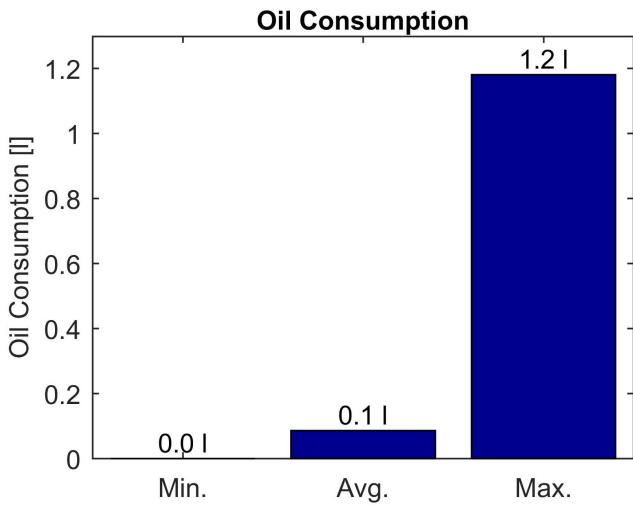
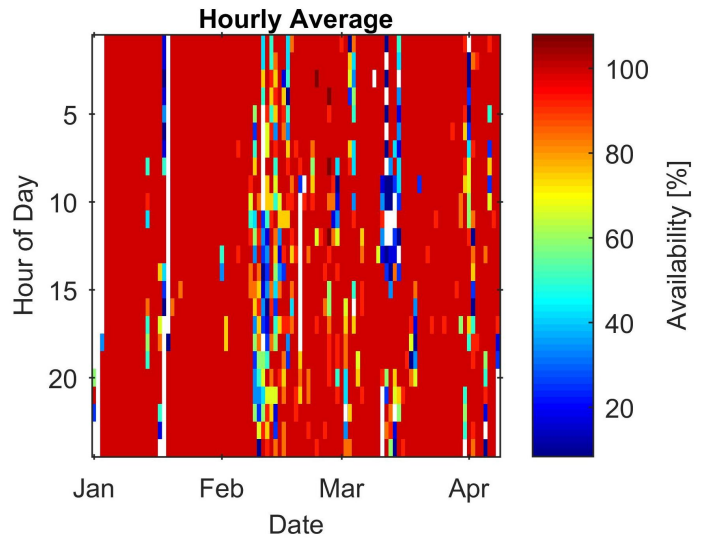
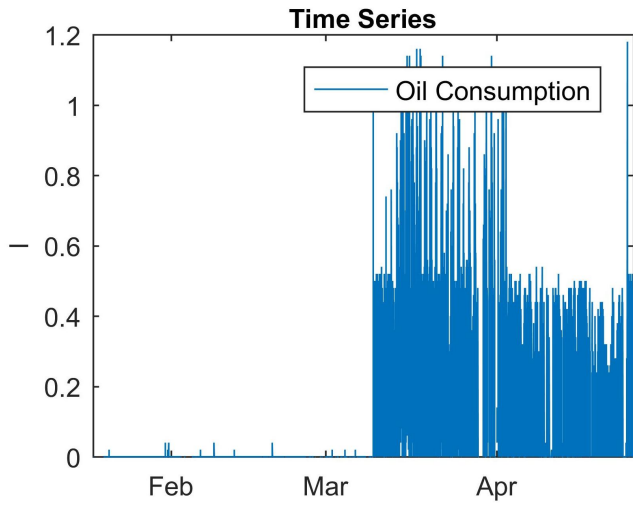
Node ID = 216 (Dressing room, wall, north)



Node ID = 217 (Storage room)

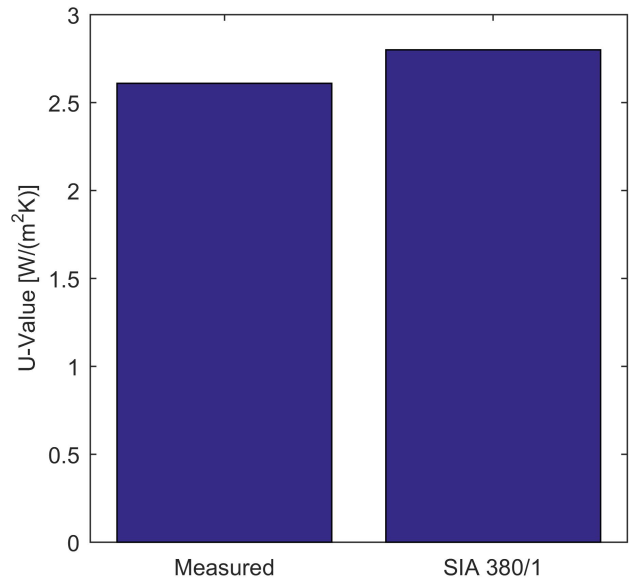
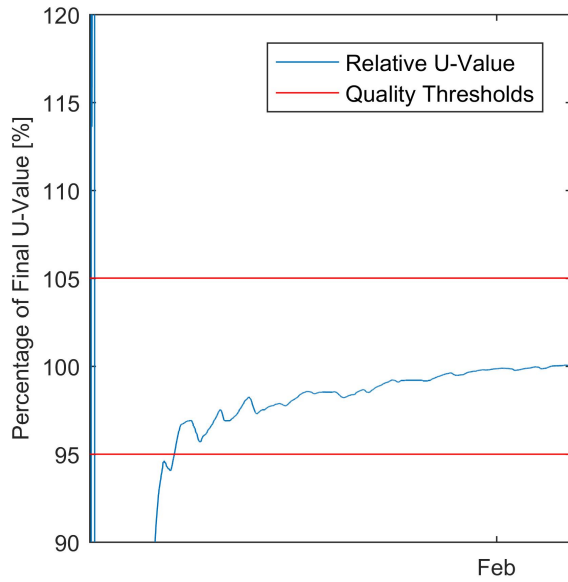
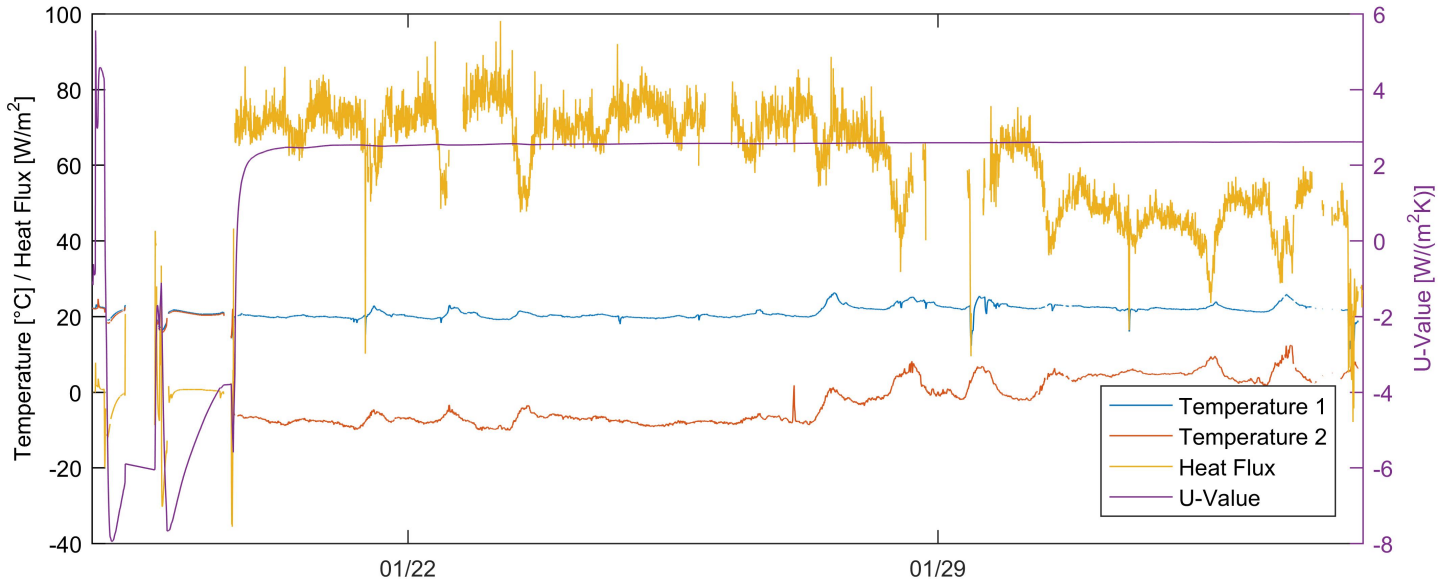


Node ID = 218 (Boiler room)

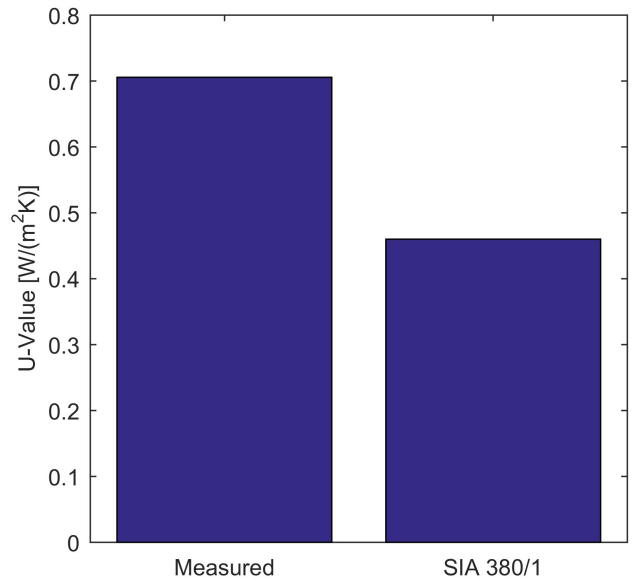
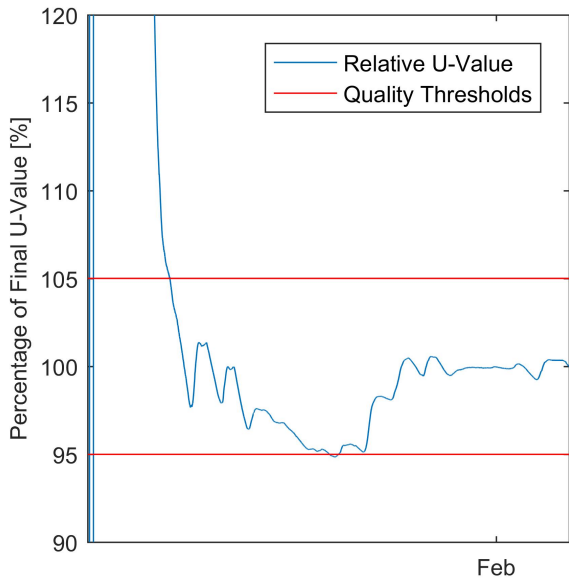
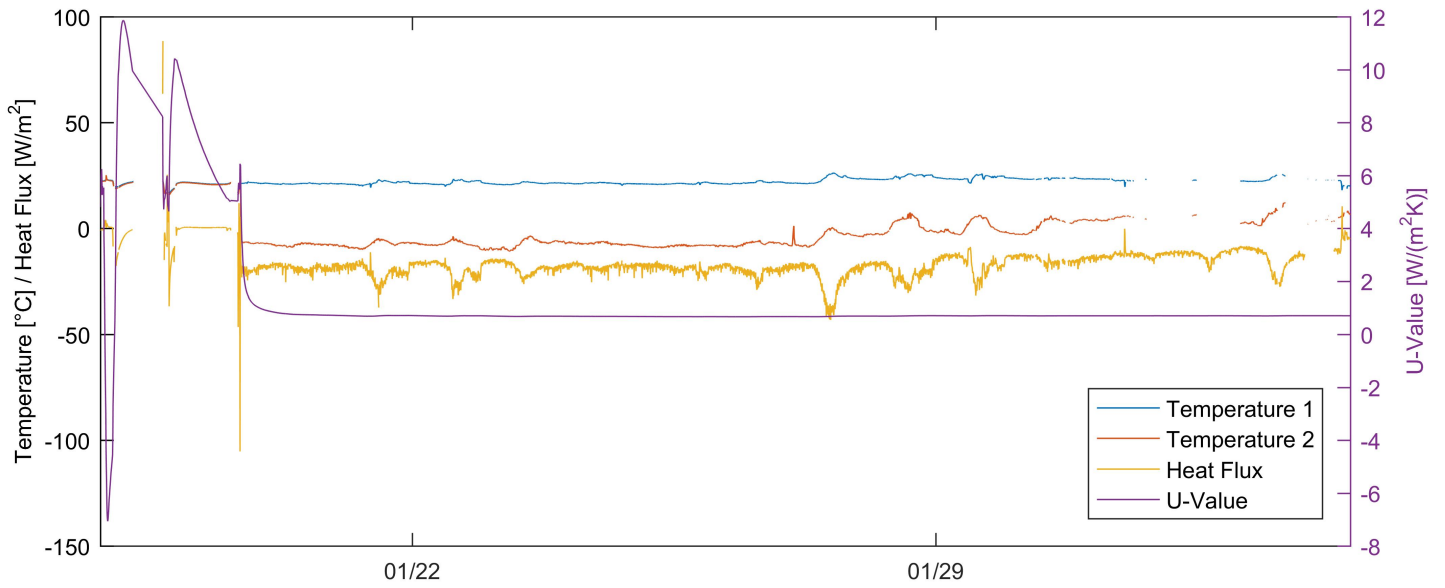


U-Values

U-Value 214: Living room, windows, north



U-Value 215: Living room, wall, north



U-Value 216: Dressing room, wall, north

