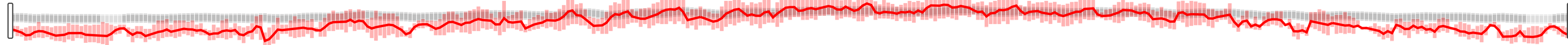
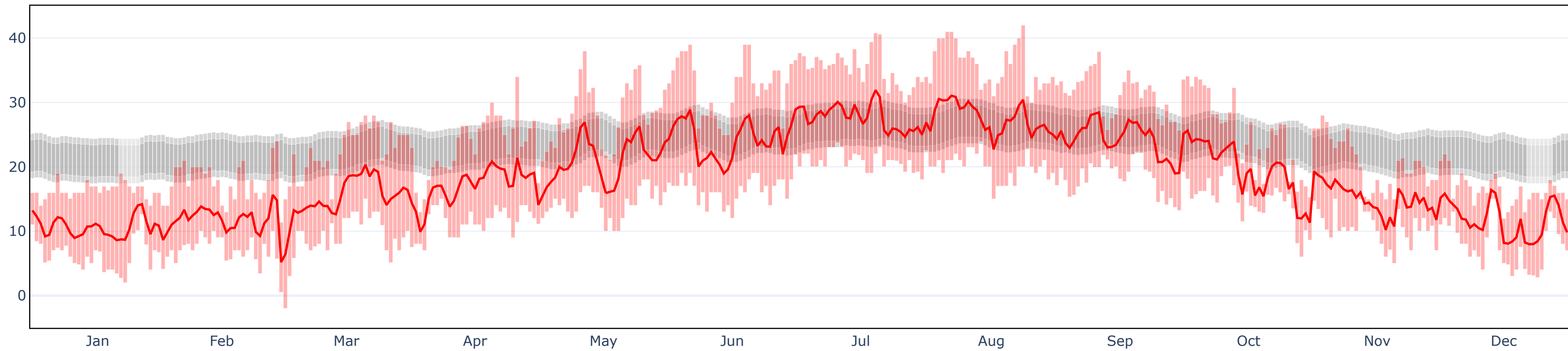


Dry bulb temperature (°C)

ASHRAE adaptive comfort (80%) ASHRAE adaptive comfort (90%) Dry bulb temperature Range Average Dry bulb temperatur



Dav

Dry bulb temperature (°C)

Jan

Feb

Mar

Apr

May

Jun

Jul

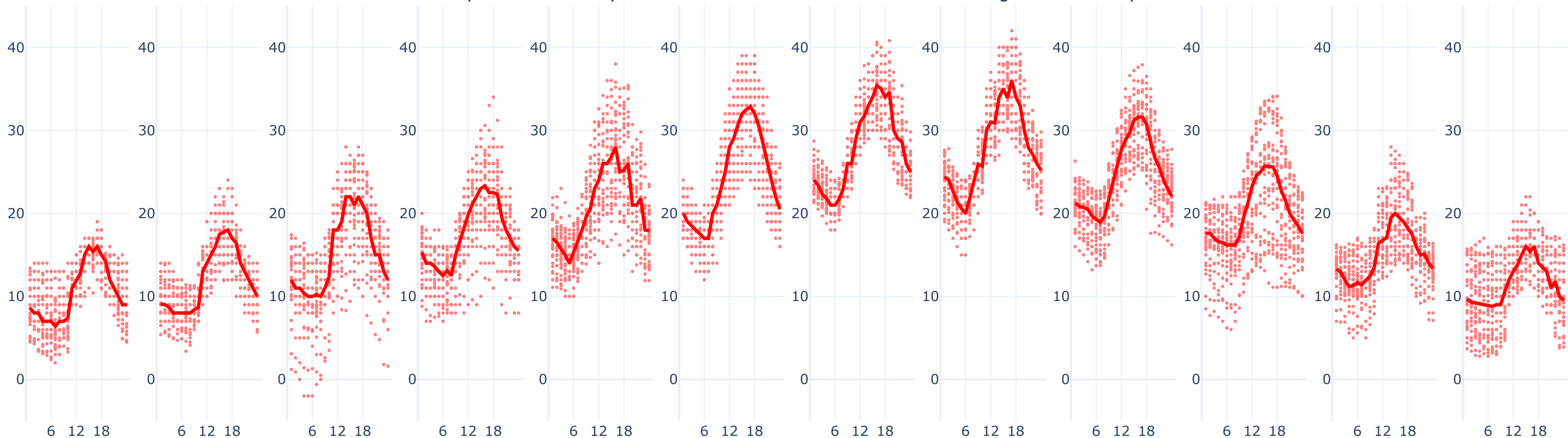
Aug

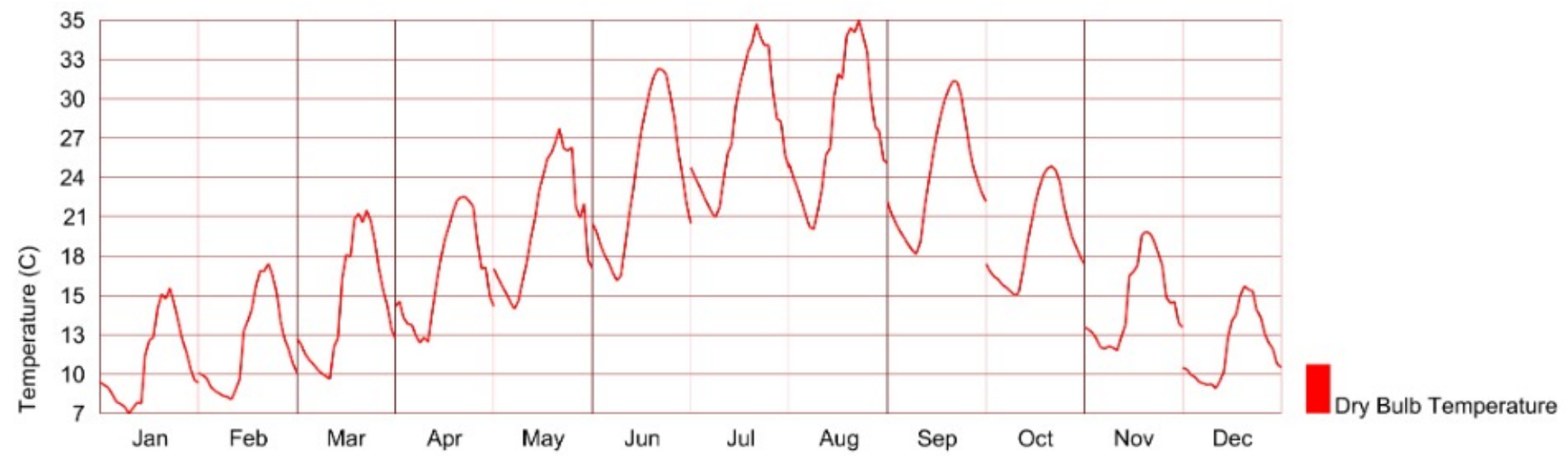
Sep

Oct

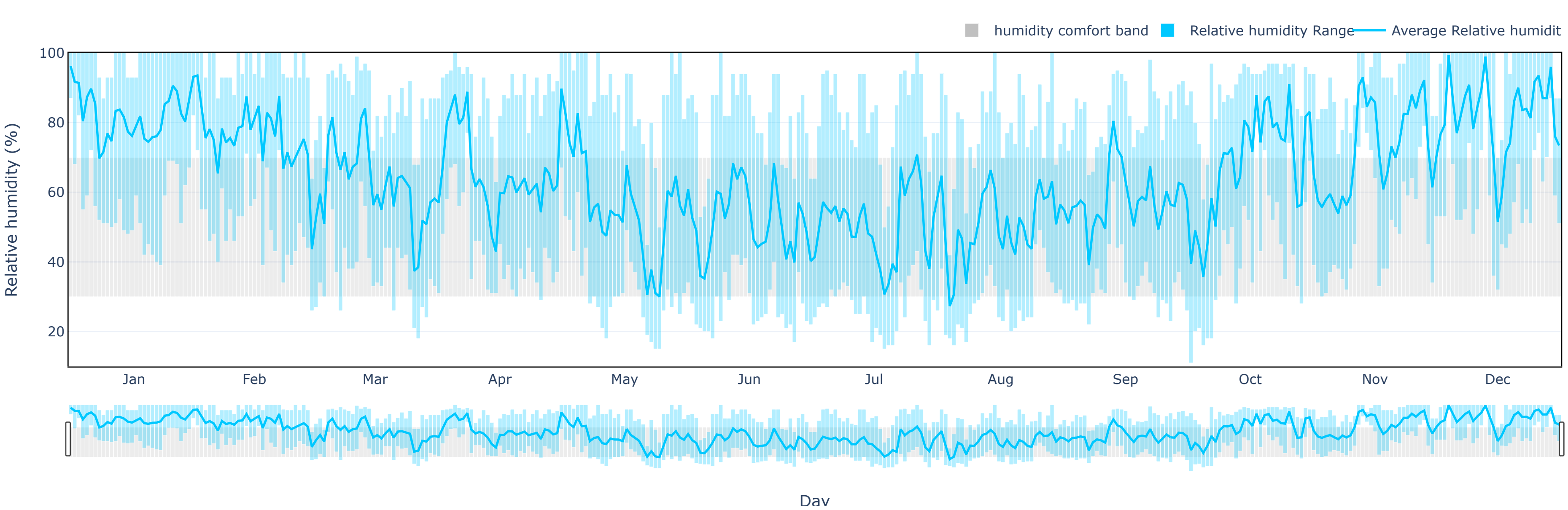
Nov

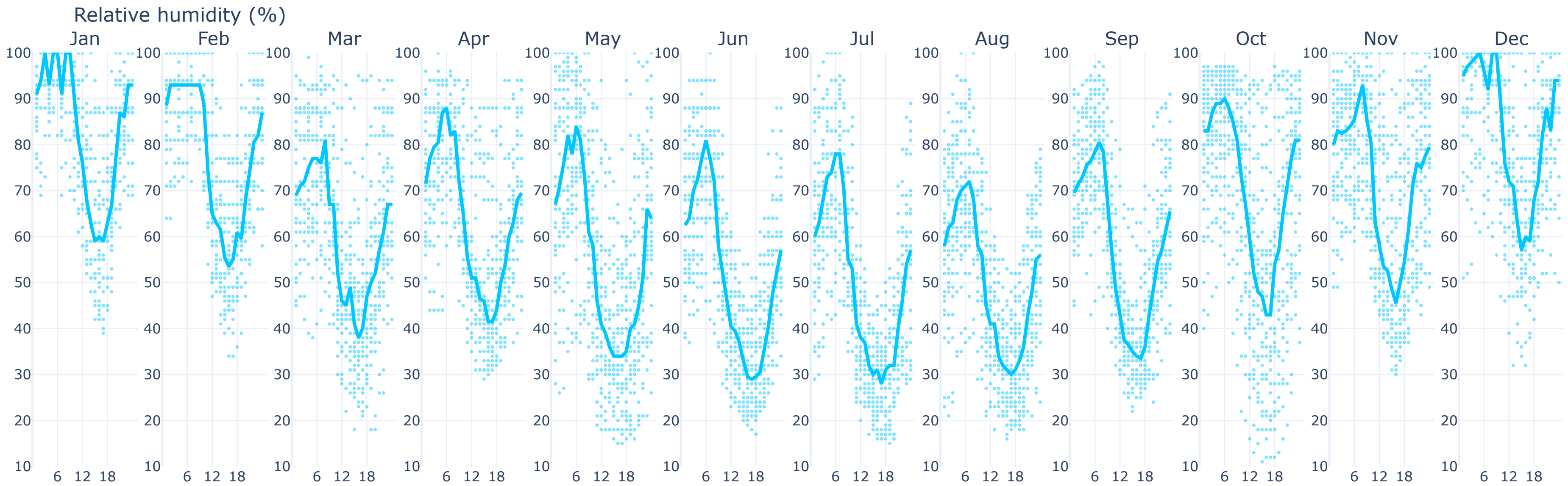
Dec

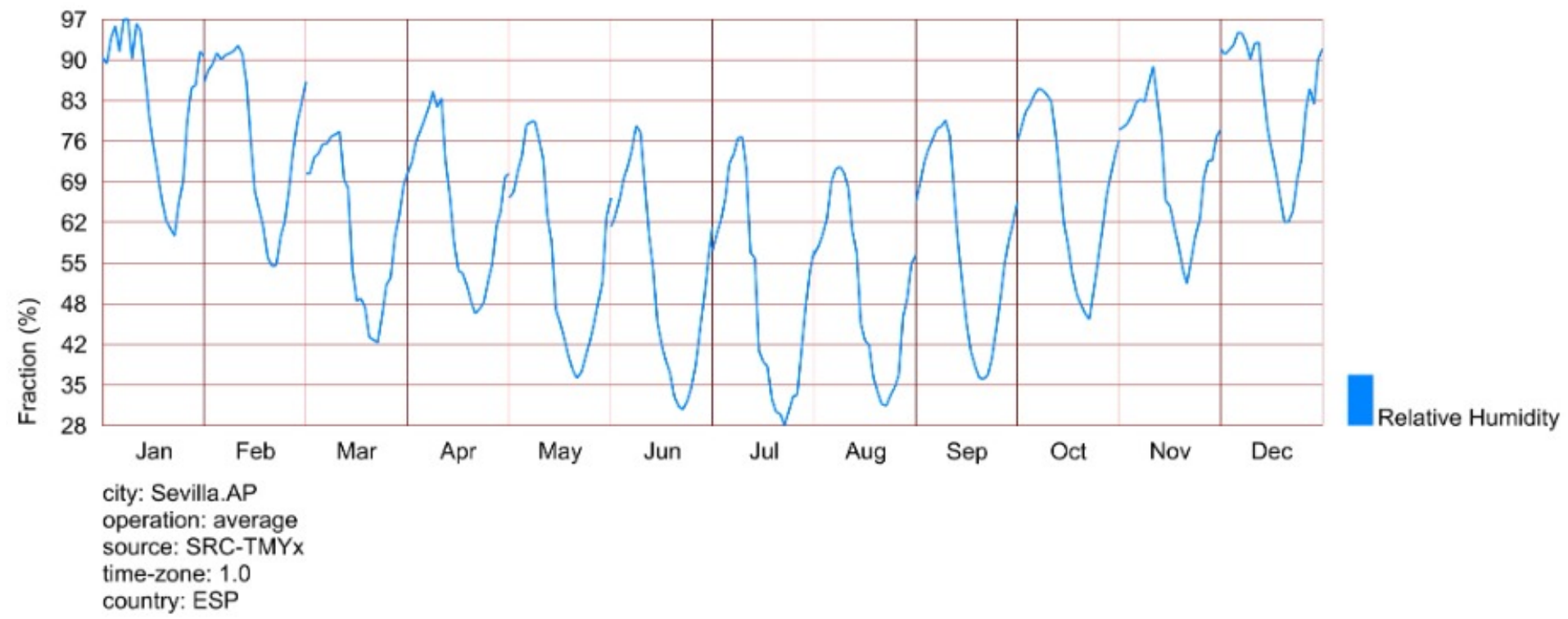


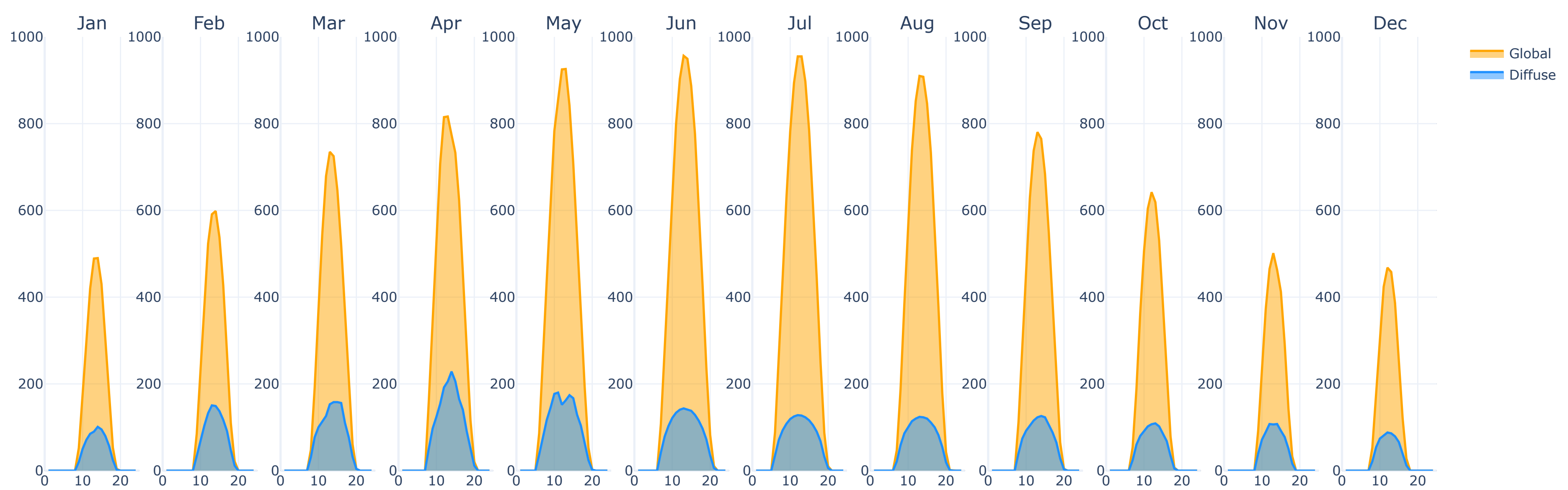


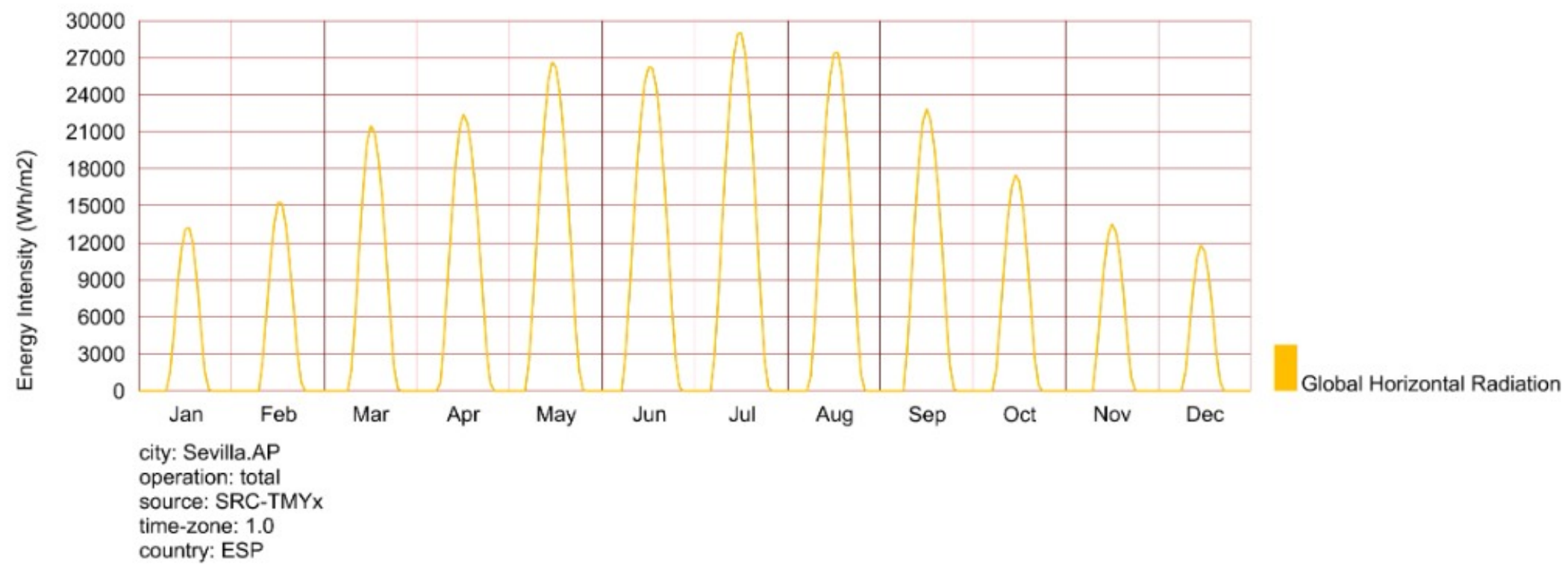
city: Sevilla.AP
operation: average
source: SRC-TMYx
time-zone: 1.0
country: ESP

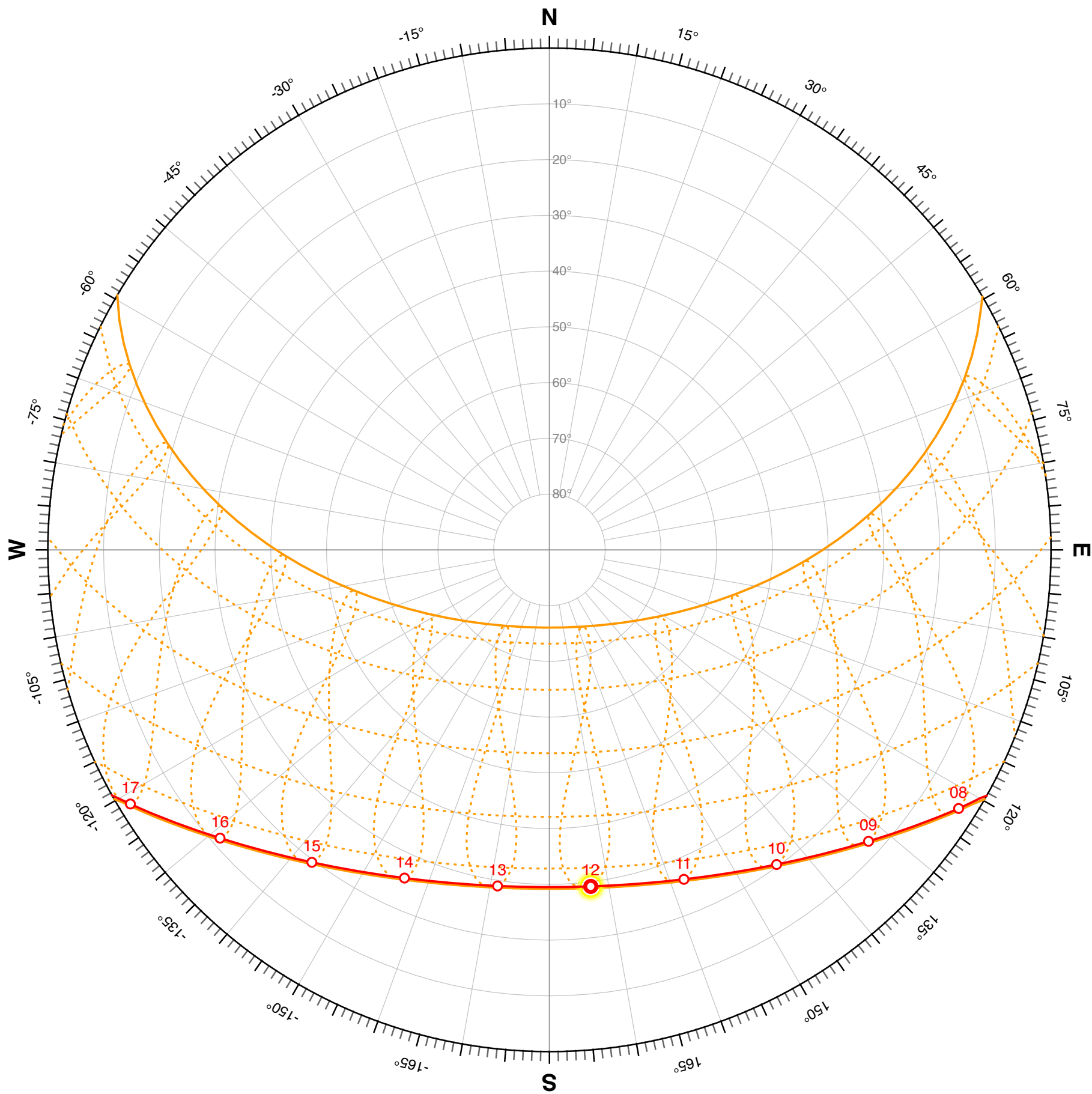


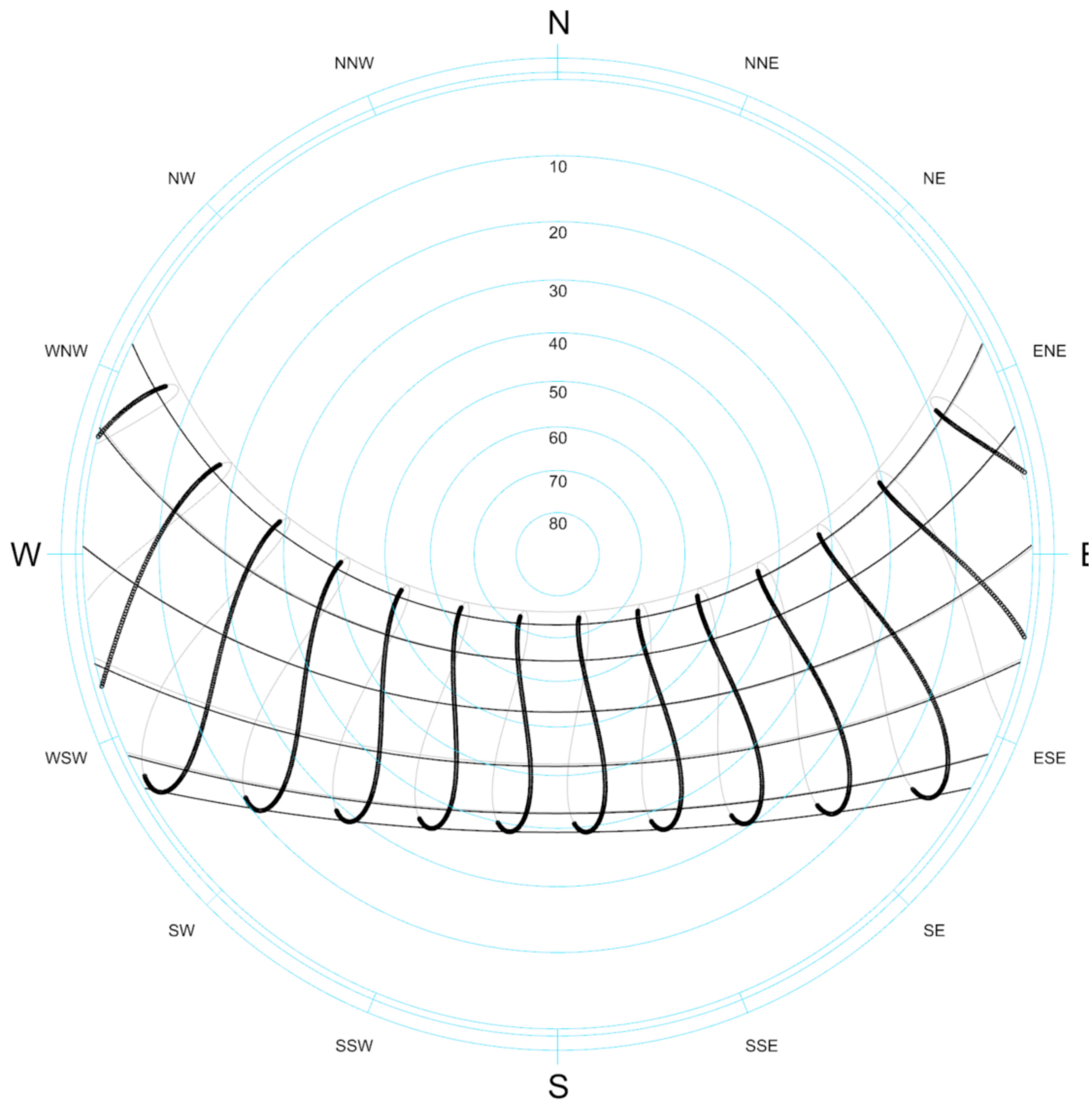








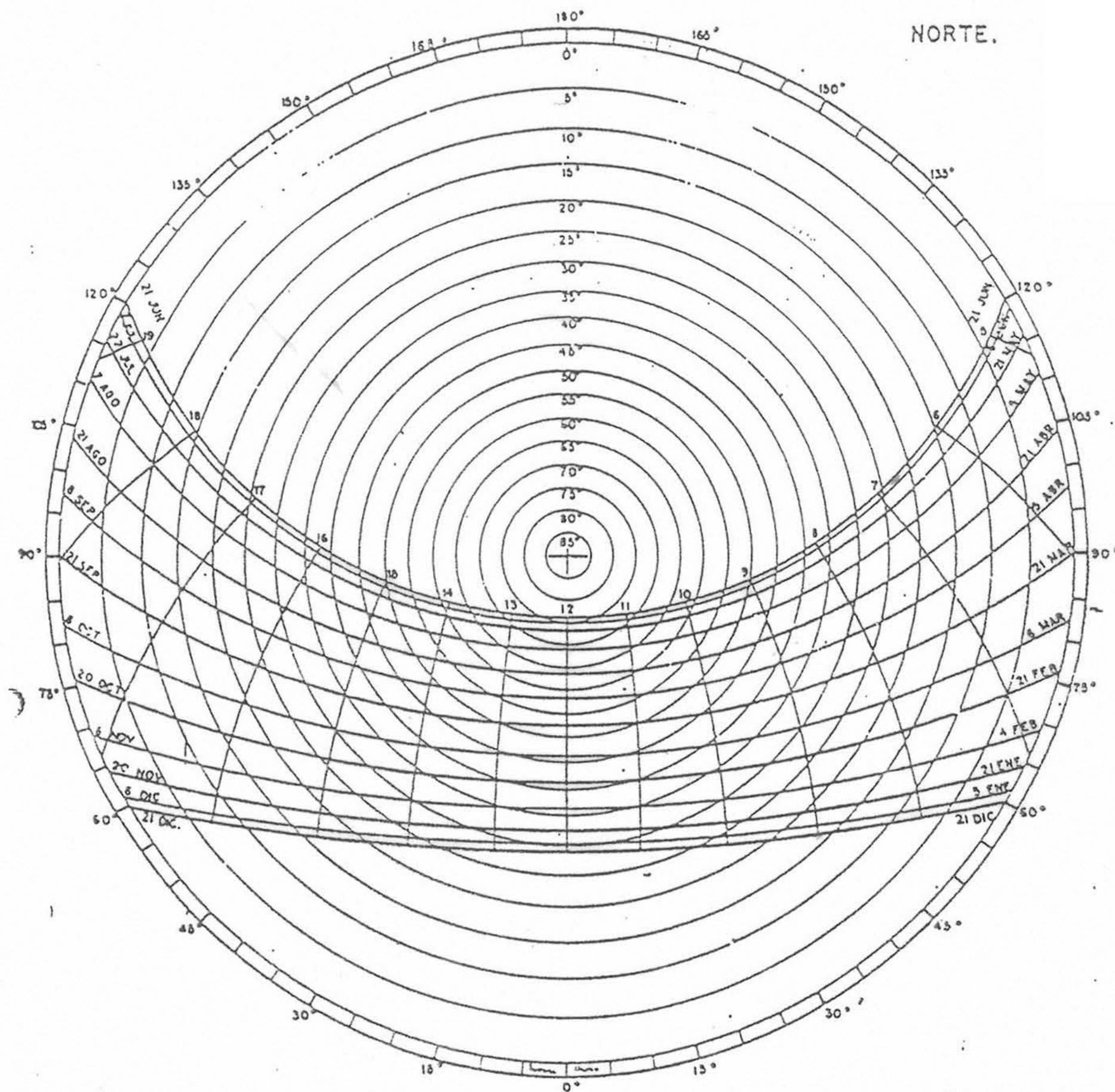


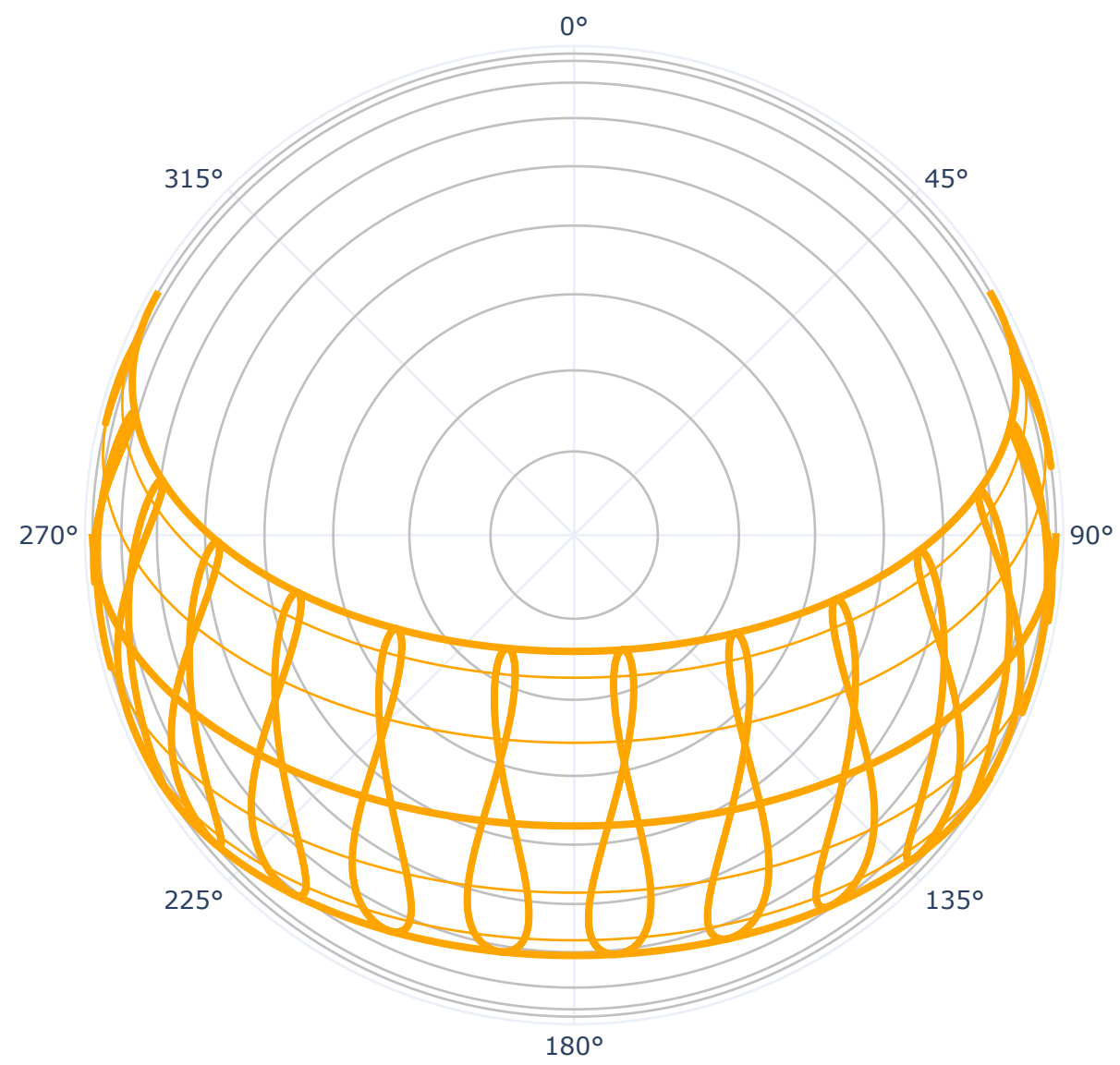


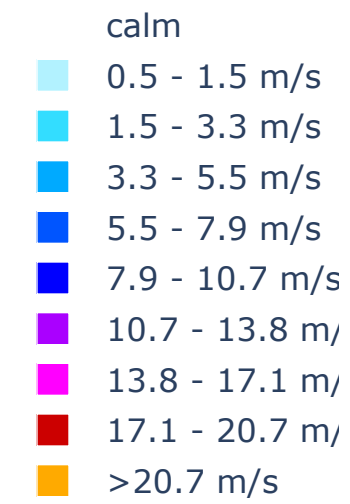
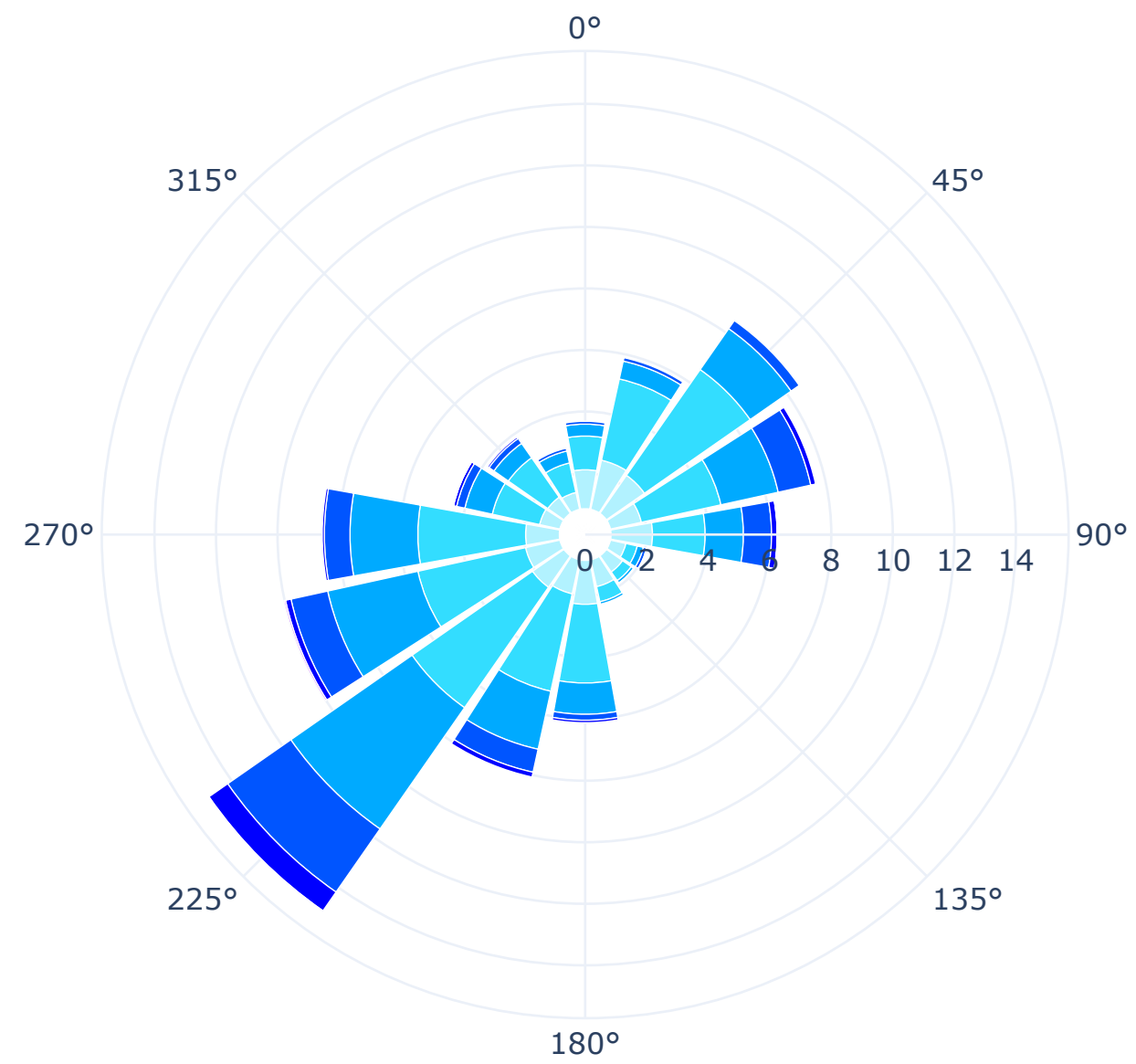
CARTA SOLAR ESTEREOGRAFICA; CIUDAD DE SEVILLA, LATITUD:

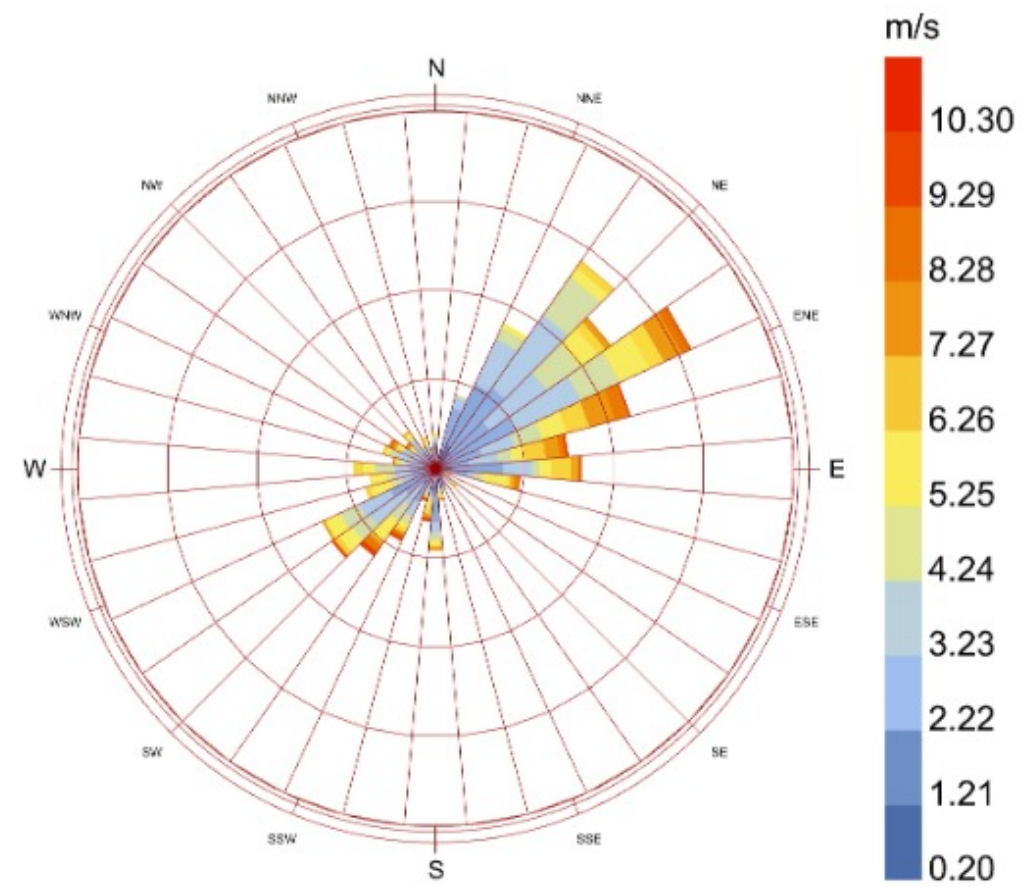
$37'38'' = 37^{\circ}23'10''$

NORTE.

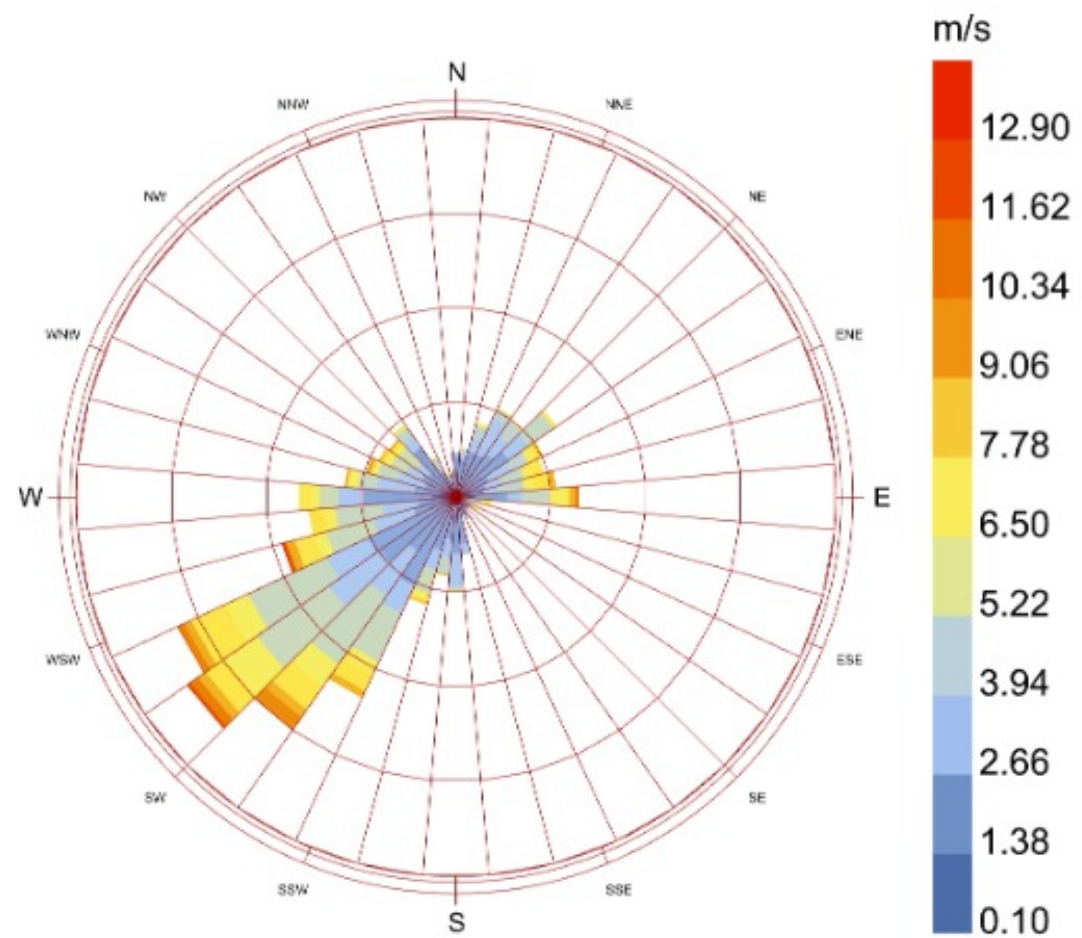








Wind Speed (m/s)
city: Sevilla.AP
country: ESP
time-zone: 1.0
source: SRC-TMYx
period: 12/21 to 3/20 between 0 and 23 @1
Calm for 24.81% of the time = 536 hours.
Each closed polyline shows frequency of 3.1% = 50 hours.



Wind Speed (m/s)

city: Sevilla.AP

country: ESP

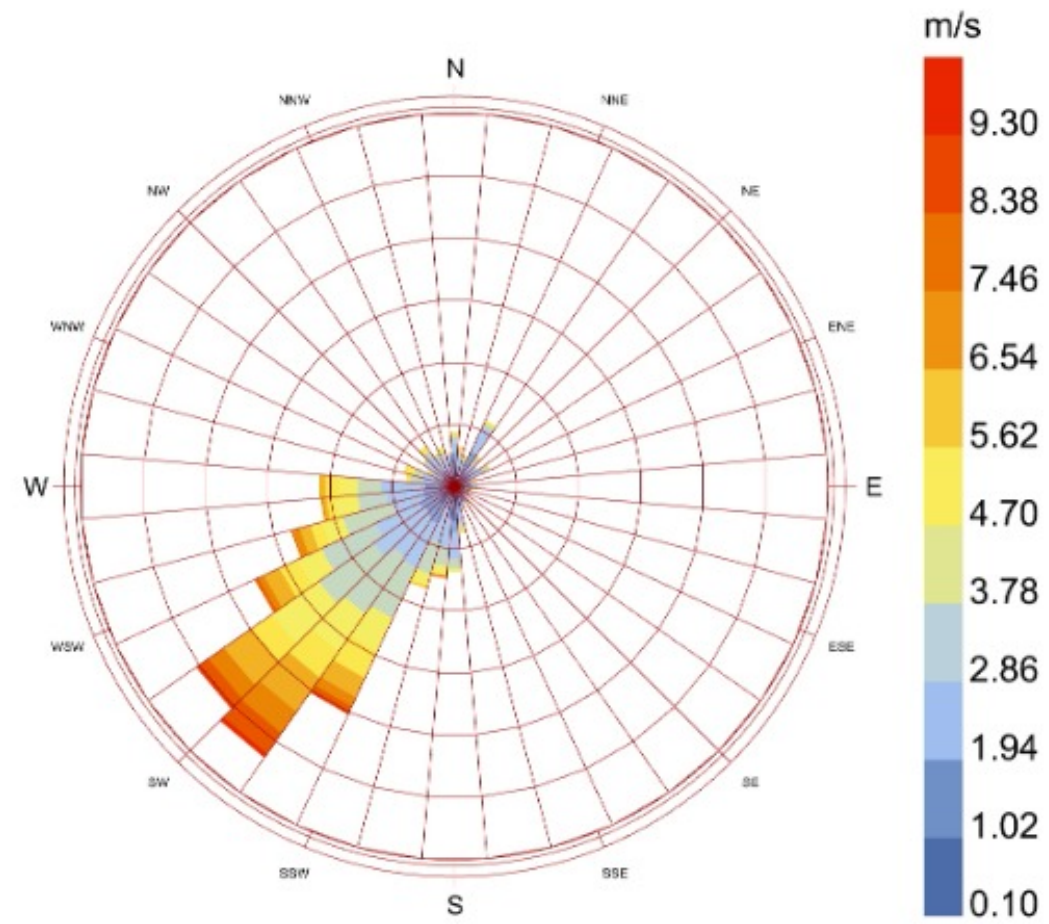
time-zone: 1.0

source: SRC-TMYx

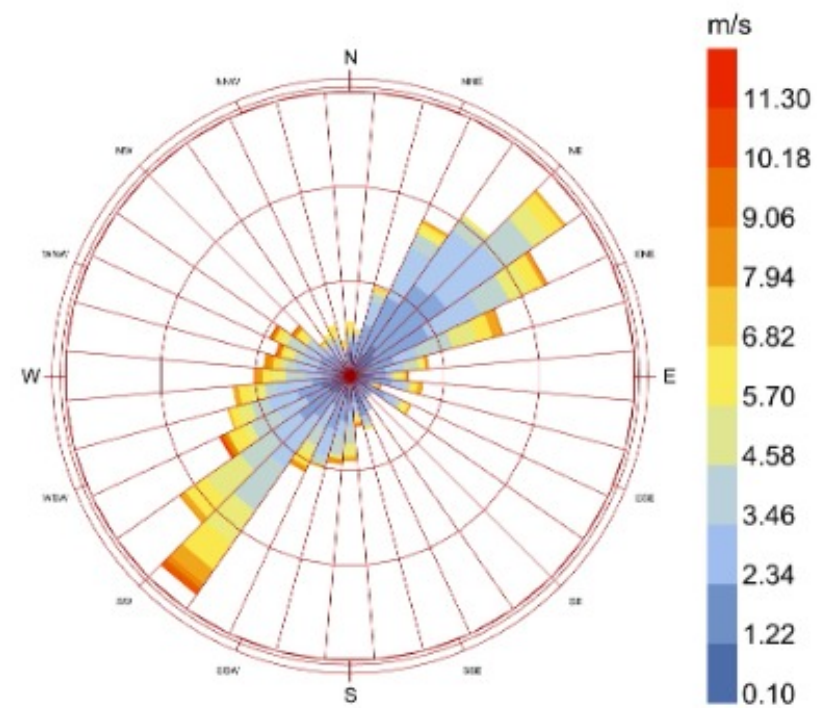
period: 3/21 to 6/20 between 0 and 23 @1

Calm for 14.45% of the time = 319 hours.

Each closed polyline shows frequency of 2.6% = 50 hours.

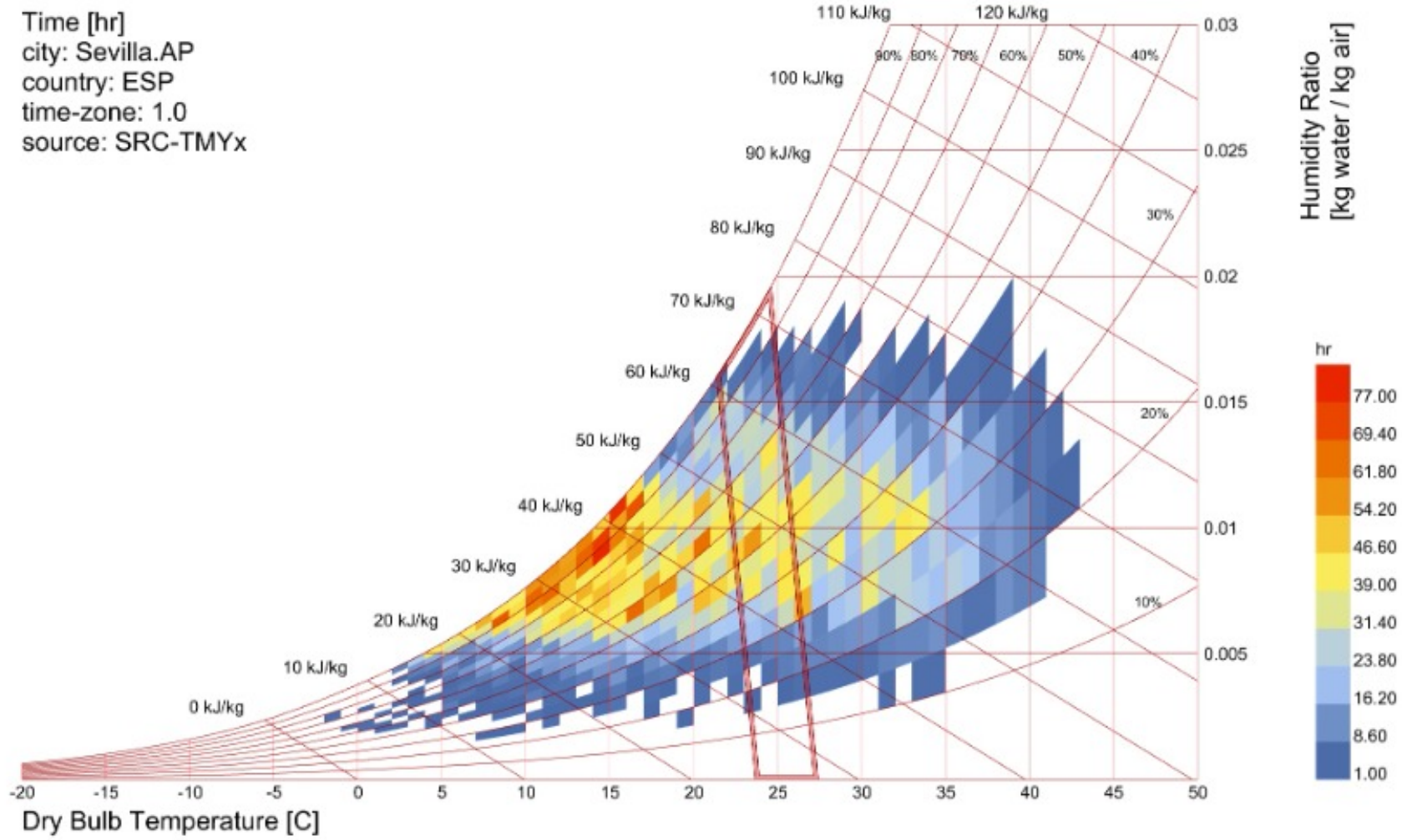


Wind Speed (m/s)
city: Sevilla.AP
country: ESP
time-zone: 1.0
source: SRC-TMYx
period: 6/21 to 9/23 between 0 and 23 @1
Calm for 4.12% of the time = 94 hours.
Each closed polyline shows frequency of 2.3% = 50 hours.



Wind Speed (m/s)
city: Sevilla.AP
country: ESP
time-zone: 1.0
source: SRC-TMYx
period: 9/24 to 12/20 between 0 and 23 @1
Calm for 10.89% of the time = 230 hours.
Each closed polyline shows frequency of 2.7% = 50 hours.

Time [hr]
city: Sevilla.AP
country: ESP
time-zone: 1.0
source: SRC-TMYx



Calculation (hour)

Name of site = Sevilla SP

Latitude [°] = 37.400, Longitude [°] = -5.980, Altitude [m] = 17

Climatic zone = IV, 1

Radiation model = Default (hour); Temperature model = Default (hour)

Diffuse radiation model = Default (hour) (Perez)

Radiation: New period = 1991-2010

Temperature: New period = 2000-2009

Month	G_Gh	G_Bn	G_Dh	Lg	Ld	N
Jan	117	211	33	12485	4571	2
Feb	143	189	52	15291	6629	4
Mar	204	243	65	21809	8578	3
Apr	252	247	95	27097	12214	3
May	298	288	102	32207	13524	3
Jun	332	340	88	36012	11863	3
Jul	345	403	59	37327	8031	2
Aug	305	369	62	33251	8705	1
Sep	237	272	70	25879	9581	3
Oct	172	225	53	18810	7271	3
Nov	133	229	35	14412	4979	2
Dec	104	191	33	11202	4630	3
Year	220	268	62	23815	8381	3

Month	Ta	Td	RH	p	DD	FF
Jan	11.3	6.4	72	1011	45	2.4
Feb	13.3	7.3	67	1011	45	2.6
Mar	16.1	8.6	61	1011	45	2.8
Apr	18.0	9.1	56	1011	225	3.1
May	22.1	11.3	50	1011	225	2.8
Jun	26.9	14.3	46	1011	225	2.9
Jul	28.7	14.6	42	1011	225	2.8
Aug	28.6	15.7	45	1011	225	2.7
Sep	25.0	14.9	53	1011	225	2.5
Oct	20.9	13.7	63	1011	45	2.4
Nov	15.1	9.1	67	1011	45	2.4
Dec	12.0	7.8	75	1011	45	2.6
Year	19.8	11.1	58	1011	225	2.7

=====
=====

Legend:

Gh:	Mean irradiance of global radiation horizontal		
Bn:	Irradiance of beam		
Dh:	Mean irradiance of diffuse radiation horizontal		
N:	Cloud cover fraction		
Lg:	Global luminance	Ld:	
Ta:	Air temperature	RH:	Relative humidity
Td:	Dewpoint temperature	DD:	Wind direction
FF:	Wind speed	p:	Air pressure

Radiation in [W/m²]

Temperature in [°C]

Pressure in [hPa]

Wind speed in [m/s]

RR: Only 4 station(s) for interpolation

Gh: Use of precalculated radiation map based on satellite and ground information due to low density of network.

Nearest 3 stations: Ta: SEVILLA (CIV/MIL) (7 km), MORON (SP-USAFB) (43 km), Jerez De La Frontera (73 km)

Uncertainty of yearly values: Gh = 5%, Bn = 9 %, Ta = 0.5 °C

Trend of Gh / decade = 1.5%

Variability of Gh / year = 3.5%