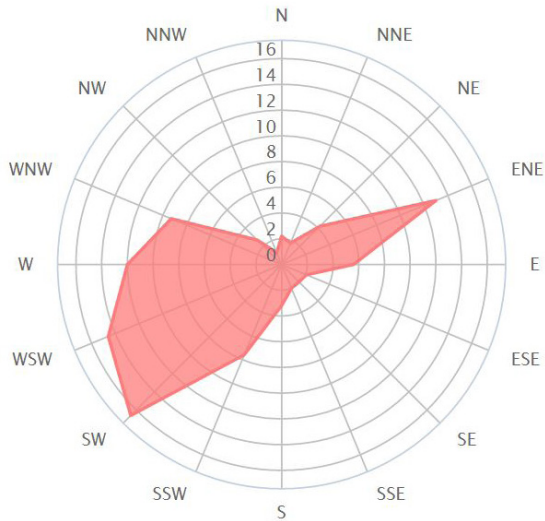


# Glasgow Weather Data Summary

Weather Station: 55.87° N / 4.26° W

## Overview

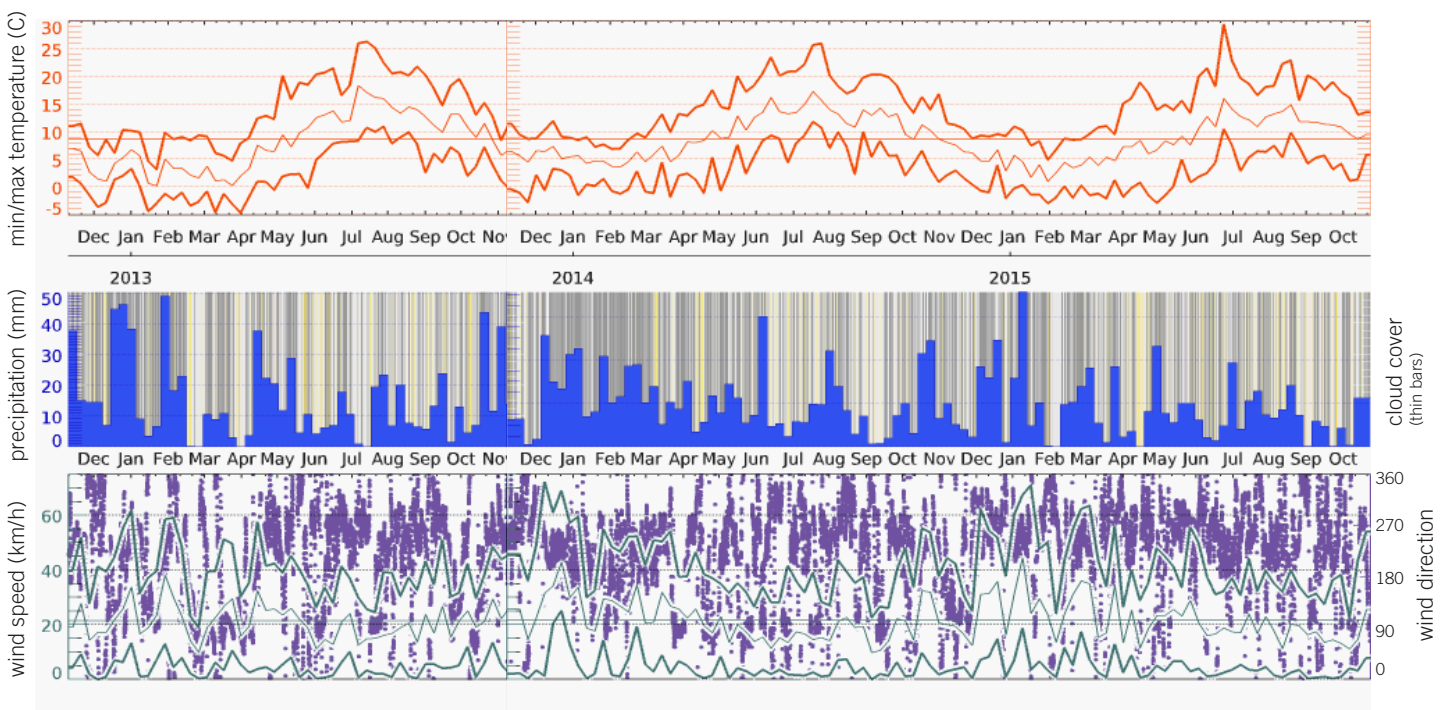


### Wind Direction Distribution (%) for Entire Year Average

Percentage frequency is noted along radial axis for each cardinal direction in this wind rose diagram.

Glasgow has prevailing winds from the southwest for most of the year, with the exception of the spring, when winds shift to having greater frequency from the northeast.

Month of year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
	01	02	03	04	05	06	07	08	09	10	11	12	1-12
Dominant Wind dir.	↙	↙	↙	↙	↙	↙	↙	↙	↙	↙	↘	↙	↙
Wind probability >= 4 Beaufort (%)	36	35	46	44	43	32	31	31	32	33	31	29	35
Average Wind speed (km/h)	19	17	20	19	19	17	17	17	17	17	17	17	17
Average air temp. (°C)	5	6	8	10	13	16	17	17	15	12	8	5	11



# Glasgow Weather Data Summary

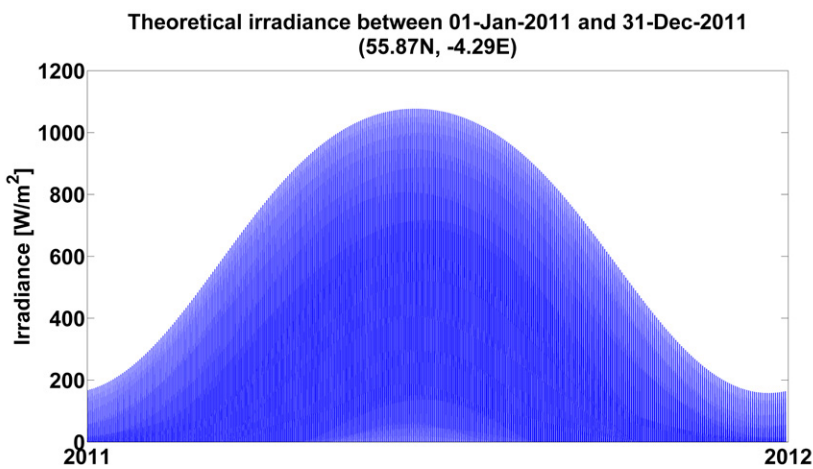
Weather Station: 55.87° N / 4.26° W

## Solar

### Clear Sky Model

Shows the potential irradiance in  $W/m^2$  over the course of a year.

*Does not factor for cloud cover*



### Glasgow Average Solar Insolation Measured in $kWh/m^2/day$

#### Horizontal

Jan	Feb	Mar	Apr	May	Jun
0.57	1.27	2.27	3.65	4.99	5.12
Jul	Aug	Sep	Oct	Nov	Dec
4.72	4.01	2.72	1.46	0.72	0.38

#### Vertical (south-facing)

Jan	Feb	Mar	Apr	May	Jun
1.11	1.93	2.38	2.86	3.13	2.92
Jul	Aug	Sep	Oct	Nov	Dec
2.81	2.85	2.63	1.97	1.30	1.08

#### 49° Angle (south-facing)

Jan	Feb	Mar	Apr	May	Jun
1.04	2.00	2.89	4.05	4.98	4.83
Jul	Aug	Sep	Oct	Nov	Dec
4.57	4.22	3.35	2.15	1.26	1.04

#### Single axis adusted (south-facing)

Jan	Feb	Mar	Apr	May	Jun
1.16	2.12	2.89	4.07	4.98	5.18
Jul	Aug	Sep	Oct	Nov	Dec
4.57	4.30	3.31	2.23	1.38	1.16

#### Vertical (west-facing)

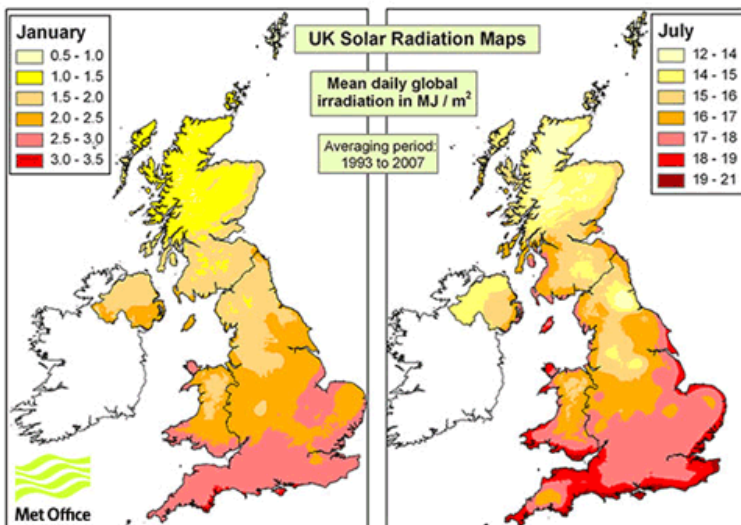
Jan	Feb	Mar	Apr	May	Jun
0.89	1.54	1.90	2.29	2.50	2.34
Jul	Aug	Sep	Oct	Nov	Dec
2.25	2.28	2.10	1.58	1.04	0.86

#### Vertical (east-facing)

Jan	Feb	Mar	Apr	May	Jun
0.57	1.27	2.27	3.65	4.99	5.12
Jul	Aug	Sep	Oct	Nov	Dec
4.72	4.01	2.72	1.46	0.72	0.38

### Recorded Data

Actual measurements on the ground provide the following approximate information for the UK



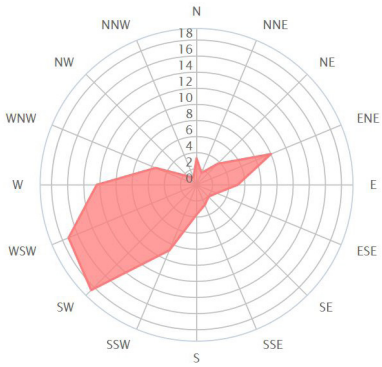
# Glasgow Weather Data Summary

Weather Station: 55.87° N / 4.26° W

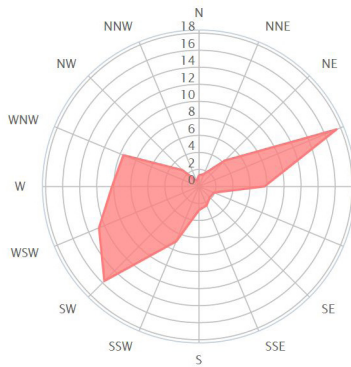
## Wind

### Monthly Wind Rose

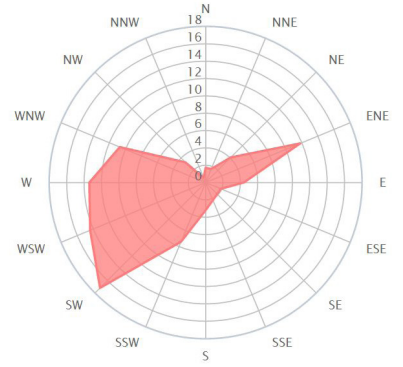
Wind direction distribution in (%)  
January



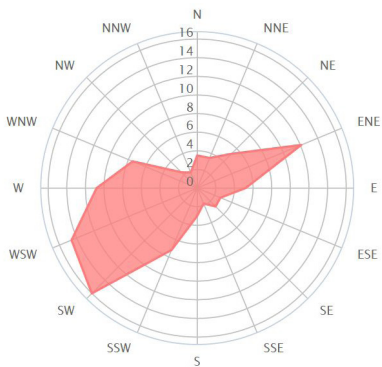
Wind direction distribution in (%)  
May



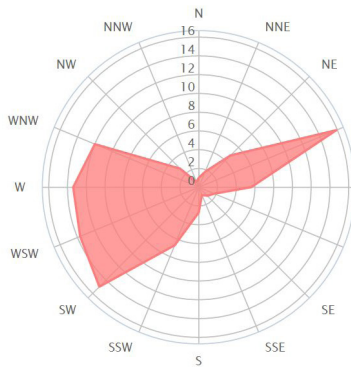
Wind direction distribution in (%)  
September



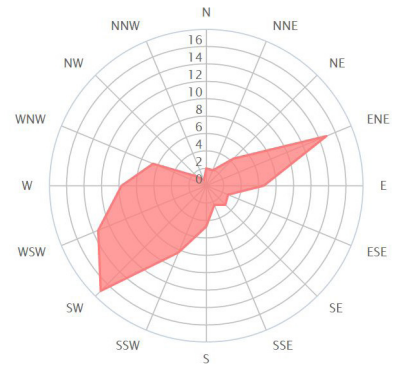
Wind direction distribution in (%)  
February



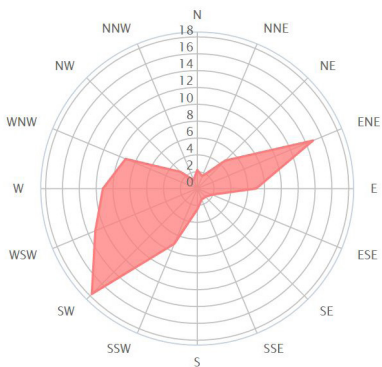
Wind direction distribution in (%)  
June



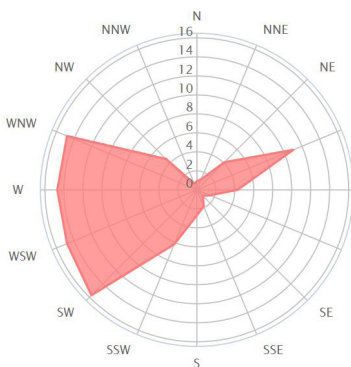
Wind direction distribution in (%)  
October



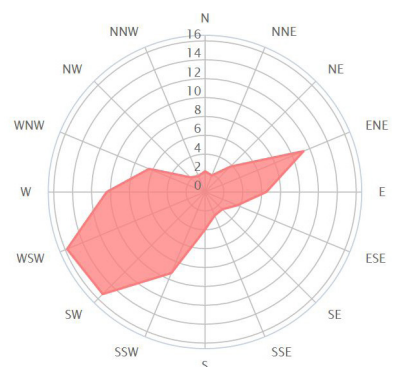
Wind direction distribution in (%)  
March



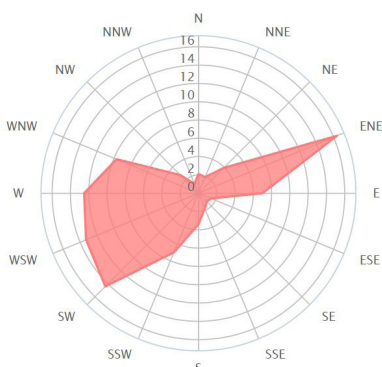
Wind direction distribution in (%)  
July



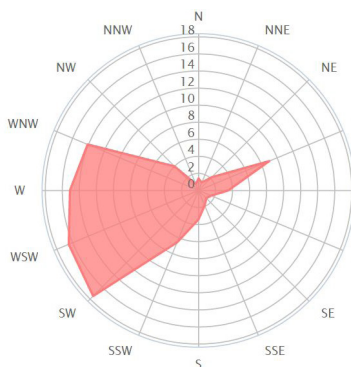
Wind direction distribution in (%)  
November



Wind direction distribution in (%)  
April



Wind direction distribution in (%)  
August



Wind direction distribution in (%)  
December

