

MENADO SAM RATULANGI, Indonesia

Annual Climatic Design Data (1994–2019)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
1.5458N	124.9230E	80	100.37	20.8	33.9	7.4	S

Monthly Winds (1994–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	23	23	22	26	26	23	17	11	13	21	27	22

Prevailing Wind #1

DIR	W	NNE	NE	NNE	NNE	S	S	S	SE	ESE	ESE	W
%OCC	8	9	9	7	7	8	17	21	13	9	7	8
AVG m/s	2.4	2.4	2.4	1.7	1.5	3.9	4.9	5.2	2.2	1.8	1.4	2.5
MED m/s	2.3	2.0	1.9	1.3	1.3	3.7	4.8	5.1	2.2	1.6	1.2	2.4

Prevailing Wind #2

DIR	NE	NE	NNE	NE	NE	SE	SSE	SSE	SSE	SE	E	NW
%OCC	7	9	9	7	7	8	12	16	11	8	6	7
AVG m/s	2.0	2.4	2.4	1.8	1.6	1.9	4.4	4.6	3.5	1.8	1.4	2.5
MED m/s	1.4	2.0	1.9	1.4	1.3	1.8	4.3	4.6	2.9	1.7	1.2	2.5

Prevailing Wind #3

DIR	NNE	N	NNW	NNW	SE	SSE	SE	SE	ESE	NE	SE	NNE
%OCC	6	7	8	6	7	8	9	12	10	6	6	6
AVG m/s	1.8	2.8	2.9	2.6	1.5	3.4	2.2	2.4	2.2	1.6	1.4	1.8
MED m/s	1.4	2.8	2.9	2.6	1.5	2.8	2.1	2.3	2.1	1.3	1.2	1.3

Prevailing Wind #4

DIR	NNW	ENE	N	ESE	ESE	ESE	ESE	ESE	S	NNE	NE	NE
%OCC	6	7	7	6	6	7	8	8	10	6	6	6
AVG m/s	2.4	2.1	3.0	1.4	1.6	1.8	2.1	2.3	4.2	1.6	1.4	1.6
MED m/s	2.4	1.8	3.0	1.2	1.4	1.7	2.0	2.2	4.2	1.3	1.2	1.3