

# UNIVERSIDAD NACIONAL DE COLOMBIA SEDE MANIZALES

OBSERVATORIOS AMBIENTALES PARA EL DESARROLLO URBANO SOTENIBLE EN MANIZALES



RED DE ESTACIONES HIDROMETEOROLÓGICAS PARA PREVENCIÓN DE DESASTRES DE MANIZALES

# **ESTACIÓN METEOROLÓGICA INGEOMINAS**

CÓDIGO: EMM-03

### **NOVIEMBRE DE 2011**

### RESUMEN DIARIO Y MENSUAL DE VARIABLES METEOROLÓGICAS

1     26.4     17.5     12.7     2.7     0.8     786.6     96.0     74.8     48.0     0.0     1199.0     3       2     27.6     18.8     13.5     3.1     0.6     787.0     97.0     78.1     50.0     0.3     1205.0     4       3     23.2     16.8     13.9     5.8     1.2     787.3     99.0     87.1     66.0     1.5     593.0     2       4     26.4     17.4     12.6     6.3     1.1     787.1     100.0     81.4     51.0     66.0     1.5     593.0     2       5     26.8     17.5     12.7     5.8     1.3     786.7     100.0     83.1     53.0     1.3     1166.0     3       6     25.3     17.0     13.5     3.1     0.8     787.0     99.0     84.1     57.0     31.8     1155.0     3       7     23.8     16.4     13.3     4.0     1.0     786.8     98.0     86.0     65.0	edia     Suma       18.6     3.3       18.7     3.3       1.3     2.0       13.0     2.8       2.8     3.1       3.5     2.8       4.4     2.0       6.3     0.8
2     27.6     18.8     13.5     3.1     0.6     787.0     97.0     78.1     50.0     0.3     1205.0     44       3     23.2     16.8     13.9     5.8     1.2     787.3     99.0     87.1     66.0     1.5     593.0     2       4     26.4     17.4     12.6     6.3     1.1     787.1     100.0     81.4     51.0     66.3     1083.0     3       5     26.8     17.5     12.7     5.8     1.3     786.7     100.0     83.1     53.0     1.3     1166.0     3       6     25.3     17.0     13.5     3.1     0.8     787.0     99.0     84.1     57.0     31.8     1155.0     3       7     23.8     16.4     13.3     4.0     1.0     786.8     98.0     86.0     65.0     16.8     951.0     3       8     17.8     14.3     12.9     3.1     0.5     787.1     100.0     96.1     83.0     30.2 <th>8.7 3.3 1.3 2.0 3.0 2.8 2.8 3.1 3.5 2.8 4.4 2.0 6.3 0.8</th>	8.7 3.3 1.3 2.0 3.0 2.8 2.8 3.1 3.5 2.8 4.4 2.0 6.3 0.8
3     23.2     16.8     13.9     5.8     1.2     787.3     99.0     87.1     66.0     1.5     593.0     2       4     26.4     17.4     12.6     6.3     1.1     787.1     100.0     81.4     51.0     66.3     1083.0     3       5     26.8     17.5     12.7     5.8     1.3     786.7     100.0     83.1     53.0     1.3     1166.0     3       6     25.3     17.0     13.5     3.1     0.8     787.0     99.0     84.1     57.0     31.8     1155.0     3       7     23.8     16.4     13.3     4.0     1.0     786.8     98.0     86.0     65.0     16.8     951.0     3       8     17.8     14.3     12.9     3.1     0.5     787.1     100.0     96.1     83.0     30.2     350.0     1       9     22.7     15.8     12.2     2.7     0.6     787.1     100.0     90.4     63.0     2.8	1.3 2.0 3.0 2.8 2.8 3.1 3.5 2.8 4.4 2.0 6.3 0.8
4     26.4     17.4     12.6     6.3     1.1     787.1     100.0     81.4     51.0     66.3     1083.0     3       5     26.8     17.5     12.7     5.8     1.3     786.7     100.0     83.1     53.0     1.3     1166.0     3       6     25.3     17.0     13.5     3.1     0.8     787.0     99.0     84.1     57.0     31.8     1155.0     3       7     23.8     16.4     13.3     4.0     1.0     786.8     98.0     86.0     65.0     16.8     951.0     3       8     17.8     14.3     12.9     3.1     0.5     787.1     100.0     96.1     83.0     30.2     350.0     1       9     22.7     15.8     12.2     2.7     0.6     787.1     100.0     96.1     83.0     30.2     350.0     1       10     21.3     15.5     13.1     4.9     1.0     787.2     100.0     92.6     73.0     34.8<	3.0 2.8 2.8 3.1 3.5 2.8 4.4 2.0 6.3 0.8
5     26.8     17.5     12.7     5.8     1.3     786.7     100.0     83.1     53.0     1.3     1166.0     3       6     25.3     17.0     13.5     3.1     0.8     787.0     99.0     84.1     57.0     31.8     1155.0     3       7     23.8     16.4     13.3     4.0     1.0     786.8     98.0     86.0     65.0     16.8     951.0     3       8     17.8     14.3     12.9     3.1     0.5     787.1     100.0     96.1     83.0     30.2     350.0     11       9     22.7     15.8     12.2     2.7     0.6     787.1     100.0     90.4     63.0     2.8     546.0     2.0       10     21.3     15.5     13.1     4.9     1.0     787.2     100.0     92.6     73.0     34.8     1292.0     2.2       11     17.4     14.3     12.7     1.8     0.4     787.2     100.0     92.6     73.0	2.8 3.1 3.5 2.8 4.4 2.0 6.3 0.8
6     25.3     17.0     13.5     3.1     0.8     787.0     99.0     84.1     57.0     31.8     1155.0     3.3       7     23.8     16.4     13.3     4.0     1.0     786.8     98.0     86.0     65.0     16.8     951.0     3       8     17.8     14.3     12.9     3.1     0.5     787.1     100.0     96.1     83.0     30.2     350.0     11       9     22.7     15.8     12.2     2.7     0.6     787.1     100.0     90.4     63.0     2.8     546.0     2       10     21.3     15.5     13.1     4.9     1.0     787.2     100.0     92.6     73.0     34.8     1292.0     2       11     17.4     14.3     12.7     1.8     0.4     787.2     100.0     94.6     87.0     11.7     781.0     1       12     14.6     13.1     11.8     3.4     787.2     100.0     99.2     95.0     41.7	3.5 2.8 4.4 2.0 6.3 0.8
7     23.8     16.4     13.3     4.0     1.0     786.8     98.0     86.0     65.0     16.8     951.0     3       8     17.8     14.3     12.9     3.1     0.5     787.1     100.0     96.1     83.0     30.2     350.0     12       9     22.7     15.8     12.2     2.7     0.6     787.1     100.0     90.4     63.0     2.8     546.0     22       10     21.3     15.5     13.1     4.9     1.0     787.2     100.0     92.6     73.0     34.8     1292.0     22       11     17.4     14.3     12.7     1.8     0.4     787.2     100.0     92.6     73.0     34.8     1292.0     2       11     17.4     14.3     12.7     1.8     0.4     787.2     100.0     94.6     87.0     11.7     781.0     1       12     14.6     13.1     11.8     3.6     0.6     787.7     100.0     99.2     95.0 <td< td=""><td>4.4 2.0 6.3 0.8</td></td<>	4.4 2.0 6.3 0.8
8     17.8     14.3     12.9     3.1     0.5     787.1     100.0     96.1     83.0     30.2     350.0     13.0       9     22.7     15.8     12.2     2.7     0.6     787.1     100.0     90.4     63.0     2.8     546.0     2.2       10     21.3     15.5     13.1     4.9     1.0     787.2     100.0     92.6     73.0     34.8     1292.0     2.2       11     17.4     14.3     12.7     1.8     0.4     787.2     100.0     94.6     87.0     11.7     781.0     1.1       12     14.6     13.1     11.8     3.6     0.6     787.7     100.0     99.2     95.0     41.7     249.0     11       13     22.9     15.2     11.3     3.1     0.6     787.5     100.0     88.7     65.0     1.3     1135.0     2       14     26.2     17.1     12.2     3.1     0.7     787.1     98.0     82.7     53.0	6.3 0.8
9     22.7     15.8     12.2     2.7     0.6     787.1     100.0     90.4     63.0     2.8     546.0     22       10     21.3     15.5     13.1     4.9     1.0     787.2     100.0     92.6     73.0     34.8     1292.0     22       11     17.4     14.3     12.7     1.8     0.4     787.2     100.0     94.6     87.0     11.7     781.0     11       12     14.6     13.1     11.8     3.6     0.6     787.7     100.0     99.2     95.0     41.7     249.0     11       13     22.9     15.2     11.3     3.1     0.6     787.5     100.0     88.7     65.0     1.3     1135.0     2       14     26.2     17.1     12.2     3.1     0.7     787.1     98.0     82.7     53.0     0.0     1169.0     4       15     26.2     16.4     12.7     4.5     1.1     786.8     99.0     83.8     54.0 <t< td=""><td></td></t<>	
10     21.3     15.5     13.1     4.9     1.0     787.2     100.0     92.6     73.0     34.8     1292.0     22       11     17.4     14.3     12.7     1.8     0.4     787.2     100.0     94.6     87.0     11.7     781.0     11       12     14.6     13.1     11.8     3.6     0.6     787.7     100.0     99.2     95.0     41.7     249.0     11       13     22.9     15.2     11.3     3.1     0.6     787.5     100.0     88.7     65.0     1.3     1135.0     22       14     26.2     17.1     12.2     3.1     0.7     787.1     98.0     82.7     53.0     0.0     1169.0     44       15     26.2     16.4     12.7     4.5     1.1     786.8     99.0     83.8     54.0     1.0     1196.0     3       16     24.1     15.4     12.2     3.6     0.9     786.8     99.0     88.7     58.0	
11     17.4     14.3     12.7     1.8     0.4     787.2     100.0     94.6     87.0     11.7     781.0     12       12     14.6     13.1     11.8     3.6     0.6     787.7     100.0     99.2     95.0     41.7     249.0     41       13     22.9     15.2     11.3     3.1     0.6     787.5     100.0     88.7     65.0     1.3     1135.0     22       14     26.2     17.1     12.2     3.1     0.7     787.1     98.0     82.7     53.0     0.0     1169.0     44       15     26.2     16.4     12.7     4.5     1.1     786.8     99.0     83.8     54.0     1.0     1196.0     33       16     24.1     15.4     12.2     3.6     0.9     786.8     99.0     88.7     58.0     3.1     1175.0     3       17     22.7     15.5     12.0     3.6     0.9     786.8     100.0     89.0     65.0     <	3.3 1.5
12     14.6     13.1     11.8     3.6     0.6     787.7     100.0     99.2     95.0     41.7     249.0     11       13     22.9     15.2     11.3     3.1     0.6     787.5     100.0     88.7     65.0     1.3     1135.0     22       14     26.2     17.1     12.2     3.1     0.7     787.1     98.0     82.7     53.0     0.0     1169.0     44       15     26.2     16.4     12.7     4.5     1.1     786.8     99.0     83.8     54.0     1.0     1196.0     3       16     24.1     15.4     12.2     3.6     0.9     786.8     99.0     88.7     58.0     3.1     1175.0     3       17     22.7     15.5     12.0     3.6     0.9     786.8     100.0     89.0     65.0     16.0     1158.0     3       18     22.9     15.1     12.1     4.9     1.1     787.5     100.0     90.6     63.0 <t< td=""><td>6.7 1.8</td></t<>	6.7 1.8
13     22.9     15.2     11.3     3.1     0.6     787.5     100.0     88.7     65.0     1.3     1135.0     2       14     26.2     17.1     12.2     3.1     0.7     787.1     98.0     82.7     53.0     0.0     1169.0     4       15     26.2     16.4     12.7     4.5     1.1     786.8     99.0     83.8     54.0     1.0     1196.0     3       16     24.1     15.4     12.2     3.6     0.9     786.8     99.0     88.7     58.0     3.1     1175.0     3       17     22.7     15.5     12.0     3.6     0.9     786.8     100.0     89.0     65.0     16.0     1158.0     3       18     22.9     15.1     12.1     4.9     1.1     787.5     100.0     90.6     63.0     44.2     1270.0     3       19     25.6     16.1     11.3     4.0     0.9     787.7     100.0     85.3     50.0	7.2 1.3
14 26.2 17.1 12.2 3.1 0.7 787.1 98.0 82.7 53.0 0.0 1169.0 44   15 26.2 16.4 12.7 4.5 1.1 786.8 99.0 83.8 54.0 1.0 1196.0 3   16 24.1 15.4 12.2 3.6 0.9 786.8 99.0 88.7 58.0 3.1 1175.0 3   17 22.7 15.5 12.0 3.6 0.9 786.8 100.0 89.0 65.0 16.0 1158.0 3   18 22.9 15.1 12.1 4.9 1.1 787.5 100.0 90.6 63.0 44.2 1270.0 3   19 25.6 16.1 11.3 4.0 0.9 787.7 100.0 85.3 50.0 25.7 1129.0 4   20 19.4 14.2 12.3 3.6 0.7 787.5 99.0 94.2 74.0 59.4 639.0 1   21 24.9 16.0 11.3 3.6 0.8 787.5 100.0 86.1 53.0 17.3 1211.0 3   22 21.5 14.8 12.2 <t< td=""><td>3.0 0.8</td></t<>	3.0 0.8
15     26.2     16.4     12.7     4.5     1.1     786.8     99.0     83.8     54.0     1.0     1196.0     3       16     24.1     15.4     12.2     3.6     0.9     786.8     99.0     88.7     58.0     3.1     1175.0     3       17     22.7     15.5     12.0     3.6     0.9     786.8     100.0     89.0     65.0     16.0     1158.0     3       18     22.9     15.1     12.1     4.9     1.1     787.5     100.0     90.6     63.0     44.2     1270.0     3       19     25.6     16.1     11.3     4.0     0.9     787.7     100.0     85.3     50.0     25.7     1129.0     4       20     19.4     14.2     12.3     3.6     0.7     787.5     99.0     94.2     74.0     59.4     639.0     1       21     24.9     16.0     11.3     3.6     0.8     787.5     100.0     86.1     53.0 <td< td=""><td>3.8 2.0</td></td<>	3.8 2.0
16 24.1 15.4 12.2 3.6 0.9 786.8 99.0 88.7 58.0 3.1 1175.0 3   17 22.7 15.5 12.0 3.6 0.9 786.8 100.0 89.0 65.0 16.0 1158.0 3   18 22.9 15.1 12.1 4.9 1.1 787.5 100.0 90.6 63.0 44.2 1270.0 3   19 25.6 16.1 11.3 4.0 0.9 787.7 100.0 85.3 50.0 25.7 1129.0 4   20 19.4 14.2 12.3 3.6 0.7 787.5 99.0 94.2 74.0 59.4 639.0 1   21 24.9 16.0 11.3 3.6 0.8 787.5 100.0 86.1 53.0 17.3 1211.0 3   22 21.5 14.8 12.2 4.9 0.8 787.9 100.0 91.2 69.0 49.0 1194.0 2	0.1 3.8
17 22.7 15.5 12.0 3.6 0.9 786.8 100.0 89.0 65.0 16.0 1158.0 3.1   18 22.9 15.1 12.1 4.9 1.1 787.5 100.0 90.6 63.0 44.2 1270.0 3.0   19 25.6 16.1 11.3 4.0 0.9 787.7 100.0 85.3 50.0 25.7 1129.0 4.0   20 19.4 14.2 12.3 3.6 0.7 787.5 99.0 94.2 74.0 59.4 639.0 10.0   21 24.9 16.0 11.3 3.6 0.8 787.5 100.0 86.1 53.0 17.3 1211.0 33.0   22 21.5 14.8 12.2 4.9 0.8 787.9 100.0 91.2 69.0 49.0 1194.0 25.0	3.1
18 22.9 15.1 12.1 4.9 1.1 787.5 100.0 90.6 63.0 44.2 1270.0 3   19 25.6 16.1 11.3 4.0 0.9 787.7 100.0 85.3 50.0 25.7 1129.0 4   20 19.4 14.2 12.3 3.6 0.7 787.5 99.0 94.2 74.0 59.4 639.0 1   21 24.9 16.0 11.3 3.6 0.8 787.5 100.0 86.1 53.0 17.3 1211.0 3   22 21.5 14.8 12.2 4.9 0.8 787.9 100.0 91.2 69.0 49.0 1194.0 2	3.8 2.3
19 25.6 16.1 11.3 4.0 0.9 787.7 100.0 85.3 50.0 25.7 1129.0 4.   20 19.4 14.2 12.3 3.6 0.7 787.5 99.0 94.2 74.0 59.4 639.0 10.   21 24.9 16.0 11.3 3.6 0.8 787.5 100.0 86.1 53.0 17.3 1211.0 33.0   22 21.5 14.8 12.2 4.9 0.8 787.9 100.0 91.2 69.0 49.0 1194.0 20.0	9.1 2.5
20 19.4 14.2 12.3 3.6 0.7 787.5 99.0 94.2 74.0 59.4 639.0 10.2   21 24.9 16.0 11.3 3.6 0.8 787.5 100.0 86.1 53.0 17.3 1211.0 33.0   22 21.5 14.8 12.2 4.9 0.8 787.9 100.0 91.2 69.0 49.0 1194.0 20.0	8.0 2.8
21 24.9 16.0 11.3 3.6 0.8 787.5 100.0 86.1 53.0 17.3 1211.0 33.0   22 21.5 14.8 12.2 4.9 0.8 787.9 100.0 91.2 69.0 49.0 1194.0 20.0	8.1 3.3
22     21.5     14.8     12.2     4.9     0.8     787.9     100.0     91.2     69.0     49.0     1194.0     26	2.9 1.5
	9.5 3.1
	9.0 1.5
	6.1 2.6
	3.0 1.3
	5.1 2.3
	9.2 2.3
	2.3 2.0
	5.8 2.5
	7.8 1.3
	2.9 2.8
31	
Mensual     27.6     15.8     11.3     7.2     0.8     787.2     100.0     87.5     48.0     574.3     1292.0     2	7.0 68.4

Convenciones: V.V.: Velocidad del Viento P.B.: Presión Barométrica Ll.: Lluvia diaria ET.: Evapotranspiración. Nota: Datos resaltados en rojo están incompletos.

**IDEA** 



# UNIVERSIDAD NACIONAL DE COLOMBIA SEDE MANIZALES

#### OBSERVATORIOS AMBIENTALES PARA EL DESARROLLO URBANO SOTENIBLE EN MANIZALES



### RED DE ESTACIONES HIDROMETEOROLÓGICAS PARA PREVENCIÓN DE DESASTRES DE MANIZALES

# **ESTACIÓN METEOROLÓGICA INGEOMINAS**

CÓDIGO: EMM-03

#### **NOVIEMBRE DE 2011**

# JORNADA DIURNA - DIRECCIÓN DEL VIENTO SEGÚN LA ROSA DE LOS VIENTOS (Frecuencia relativa)

Día	N	NNE	NE	ENE	Е	ESE	SE	SSE	S	SSO	so	oso	0	ONO	NO	NNO
1	9%	1%	2%	0%	1%	3%	2%	7%	6%	1%	6%	10%	10%	17%	18%	6%
2	6%	2%	1%	1%	3%	1%	1%	7%	3%	3%	4%	14%	15%	19%	12%	9%
3	5%	1%	0%	1%	6%	5%	3%	2%	3%	6%	14%	9%	13%	14%	13%	5%
4	3%	3%	1%	1%	2%	8%	2%	1%	3%	5%	9%	9%	10%	19%	17%	6%
5	3%	1%	1%	2%	3%	6%	9%	2%	1%	2%	4%	12%	15%	18%	12%	9%
6	8%	3%	0%	1%	2%	1%	8%	0%	6%	10%	6%	11%	10%	19%	10%	3%
7	1%	1%	1%	1%	2%	6%	5%	8%	8%	9%	4%	7%	9%	15%	18%	6%
8	0%	0%	0%	0%	0%	0%	6%	5%	8%	15%	10%	36%	11%	6%	1%	1%
9	2%	1%	0%	0%	1%	7%	8%	0%	0%	1%	2%	8%	26%	25%	15%	3%
10	1%	1%	1%	1%	1%	0%	0%	0%	1%	4%	23%	19%	17%	22%	6%	4%
11	0%	0%	0%	0%	1%	8%	1%	11%	8%	10%	6%	12%	13%	19%	6%	5%
12	1%	0%	0%	2%	0%	1%	0%	1%	5%	13%	15%	27%	17%	16%	2%	0%
13	1%	0%	0%	1%	3%	14%	1%	0%	8%	3%	6%	17%	10%	25%	10%	1%
14	6%	3%	1%	4%	1%	0%	1%	10%	3%	6%	14%	6%	3%	15%	19%	6%
15	1%	0%	0%	3%	15%	15%	8%	6%	3%	6%	4%	8%	10%	10%	7%	4%
16	2%	0%	0%	1%	6%	8%	8%	6%	7%	5%	6%	22%	6%	15%	4%	3%
17	1%	1%	0%	0%	0%	2%	8%	3%	5%	4%	2%	13%	10%	34%	11%	6%
18	1%	0%	0%	0%	1%	1%	5%	7%	12%	5%	11%	12%	10%	17%	11%	8%
19	2%	0%	0%	1%	0%	3%	3%	6%	1%	3%	5%	13%	12%	22%	21%	8%
20	1%	0%	1%	3%	3%	8%	3%	2%	3%	16%	5%	7%	14%	24%	6%	3%
21	8%	2%	1%	1%	0%	1%	0%	6%	15%	1%	3%	3%	5%	20%	22%	13%
22	2%	1%	1%	1%	0%	6%	6%	3%	2%	4%	10%	20%	12%	15%	10%	7%
23	0%	1%	0%	2%	3%	2%	3%	6%	4%	1%	11%	8%	21%	17%	18%	3%
24	1%	0%	1%	0%	1%	3%	0%	1%	9%	8%	15%	26%	13%	13%	8%	1%
25	1%	3%	1%	1%	1%	3%	7%	0%	0%	3%	8%	22%	15%	18%	16%	2%
26	1%	0%	2%	0%	3%	5%	13%	9%	3%	6%	5%	7%	24%	13%	8%	1%
27	6%	0%	0%	1%	7%	17%	6%	6%	1%	4%	4%	7%	11%	18%	7%	6%
28	0%	0%	0%	0%	1%	0%	6%	3%	2%	15%	20%	21%	18%	11%	3%	0%
29	1%	0%	1%	1%	0%	1%	0%	1%	6%	28%	27%	10%	9%	6%	6%	3%
30	1%	0%	0%	0%	0%	1%	1%	3%	4%	11%	15%	22%	17%	15%	6%	3%
31																
Mensual	3%	1%	1%	1%	2%	4%	4%	4%	5%	7%	9%	14%	13%	17%	11%	5%

	DIRECCIÓN DEL VIENTO EN EL MES ORDENADA DE MAYOR A MENOR PREDOMINANCIA															
R. V.	ONO	OSO	0	NO	SO	SSO	S	NNO	ESE	SE	SSE	N	Е	ENE	NNE	NE
F. R.	17%	14%	13%	11%	9%	7%	5%	5%	4%	4%	4%	3%	2%	1%	1%	1%

Convenciones: R. V.: Rosa de los Vientos F. R.: Frecuencia Relativa. Nota: Datos resaltados en rojo están incompletos.



# UNIVERSIDAD NACIONAL DE COLOMBIA SEDE MANIZALES

#### OBSERVATORIOS AMBIENTALES PARA EL DESARROLLO URBANO SOTENIBLE EN MANIZALES



### RED DE ESTACIONES HIDROMETEOROLÓGICAS PARA PREVENCIÓN DE DESASTRES DE MANIZALES

# **ESTACIÓN METEOROLÓGICA INGEOMINAS**

CÓDIGO: EMM-03

#### **NOVIEMBRE DE 2011**

### JORNADA NOCTURNA - DIRECCIÓN DEL VIENTO SEGÚN LA ROSA DE LOS VIENTOS (Frecuencia relativa)

DÍA	N	NNE	NE	ENE	Е	ESE	SE	SSE	S	SSO	so	oso	0	ONO	NO	NNO
1	7%	1%	12%	0%	1%	13%	28%	13%	1%	0%	0%	15%	0%	5%	3%	0%
2	7%	3%	10%	2%	6%	1%	25%	5%	1%	1%	15%	9%	3%	5%	8%	0%
3	4%	2%	0%	2%	11%	18%	9%	6%	6%	5%	3%	4%	6%	14%	10%	0%
4	1%	0%	1%	1%	11%	8%	15%	6%	4%	19%	4%	0%	4%	23%	1%	1%
5	5%	3%	5%	5%	10%	22%	15%	6%	13%	0%	0%	0%	1%	2%	10%	3%
6	3%	1%	1%	3%	10%	10%	11%	14%	13%	11%	8%	3%	1%	6%	1%	4%
7	2%	4%	1%	8%	13%	8%	13%	6%	6%	6%	17%	1%	1%	7%	1%	6%
8	8%	0%	0%	26%	0%	13%	0%	3%	0%	6%	13%	8%	6%	6%	1%	10%
9	0%	0%	0%	0%	0%	12%	3%	27%	2%	18%	3%	14%	2%	19%	0%	0%
10	0%	2%	1%	12%	26%	9%	1%	3%	3%	1%	11%	6%	17%	5%	2%	0%
11	9%	2%	3%	2%	12%	1%	1%	28%	4%	1%	3%	0%	9%	12%	5%	8%
12	0%	0%	0%	0%	1%	7%	3%	1%	3%	10%	22%	44%	8%	1%	0%	0%
13	9%	0%	1%	5%	0%	0%	0%	33%	1%	1%	19%	28%	1%	2%	0%	0%
14	4%	6%	0%	1%	17%	3%	41%	6%	1%	0%	3%	0%	0%	6%	8%	5%
15	4%	6%	3%	9%	22%	6%	5%	14%	3%	1%	1%	0%	2%	1%	18%	4%
16	3%	3%	10%	10%	12%	8%	3%	3%	1%	4%	2%	6%	3%	19%	10%	4%
17	1%	1%	1%	0%	0%	15%	18%	17%	10%	10%	15%	8%	1%	2%	2%	0%
18	1%	1%	8%	0%	1%	3%	5%	20%	12%	19%	8%	6%	8%	6%	0%	1%
19	4%	0%	2%	1%	9%	1%	9%	17%	6%	13%	19%	8%	5%	6%	1%	1%
20	19%	0%	0%	0%	0%	0%	3%	8%	6%	3%	24%	17%	3%	5%	0%	12%
21	13%	1%	0%	0%	1%	3%	10%	24%	13%	2%	3%	1%	0%	0%	29%	1%
22	10%	0%	15%	1%	8%	3%	20%	3%	3%	0%	3%	3%	12%	19%	0%	0%
23	0%	0%	0%	0%	1%	10%	13%	8%	34%	15%	14%	0%	1%	0%	0%	5%
24	31%	11%	1%	1%	6%	23%	2%	0%	0%	0%	0%	4%	3%	6%	2%	10%
25	0%	0%	0%	0%	0%	8%	36%	16%	7%	3%	13%	16%	0%	0%	0%	0%
26	0%	1%	0%	0%	6%	0%	24%	29%	26%	8%	0%	0%	3%	0%	2%	0%
27	1%	1%	4%	1%	6%	11%	8%	24%	3%	3%	9%	6%	9%	3%	8%	1%
28	3%	2%	1%	9%	8%	9%	13%	17%	6%	9%	12%	1%	0%	2%	6%	0%
29	0%	0%	0%	3%	0%	0%	0%	3%	3%	29%	26%	26%	1%	1%	6%	1%
30	0%	0%	0%	1%	3%	1%	7%	5%	4%	14%	21%	25%	3%	13%	1%	1%
31																
Mensual	5%	2%	3%	3%	7%	8%	11%	12%	7%	7%	10%	9%	4%	6%	4%	3%

	DIRECCIÓN DEL VIENTO EN EL MES ORDENADA DE MAYOR A MENOR PREDOMINANCIA															
R. V.	SSE	SE	SO	OSO	ESE	SSO	Е	S	ONO	N	NO	0	ENE	NE	NNO	NNE
F. R.	12%	11%	10%	9%	8%	7%	7%	7%	6%	5%	4%	4%	3%	3%	3%	2%

Convenciones: R. V.: Rosa de los Vientos F. R.: Frecuencia Relativa. Nota: Datos resaltados en rojo están incompletos.