OBSERVATORIO DE FISICA COSMICA

DE

SAN MIGUEL (R. ARGENTINA)

Lat. S. 34° 33'; Long. W. de G. 58° 44'; Alt. 27.4 m.

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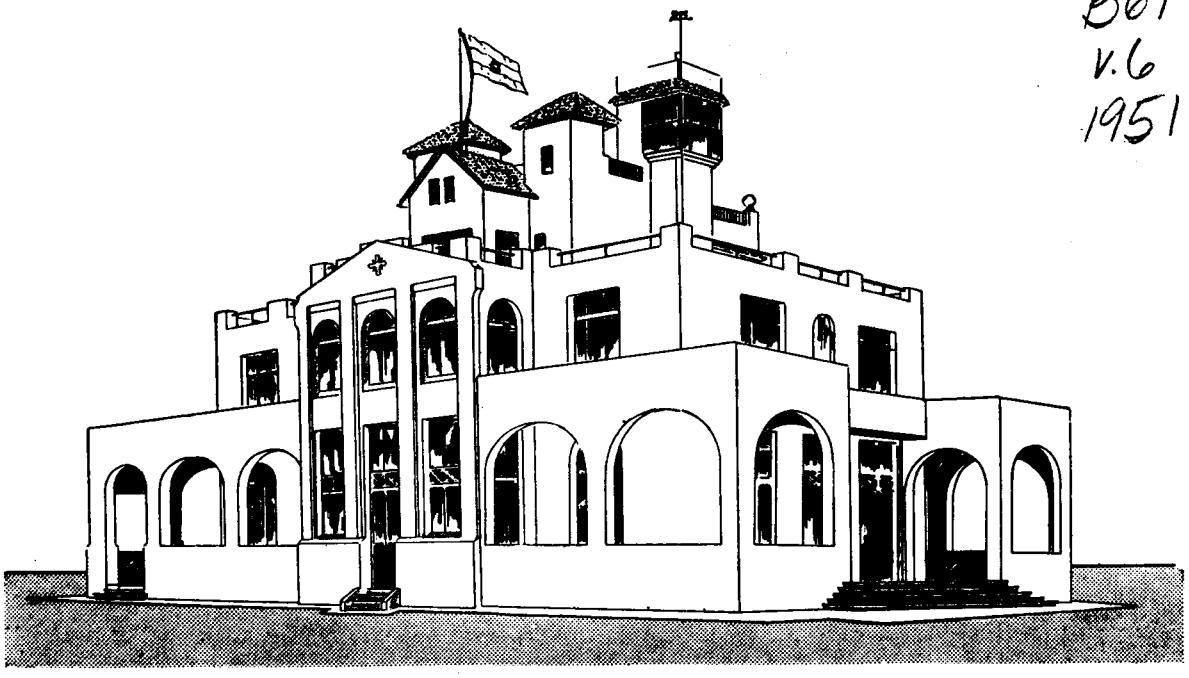

BOLETIN MENSUAL

VOLUMEN VI

AÑO 1951

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National Oceanic and Atmospheric Administration

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Information Manufacturing Corporation
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Rocket Center, West Virginia
September 14, 1999

OBSERVADORES Y CALCULISTAS:

Sres: ANGEL ABREGU DELGADO
(Meteorologista Islas Orcadas - 1948)

ANTONIO ARBIA

BENITO LIPRANDI

APRECIACIÓN GENERAL DE LAS OBSERVACIONES

I. DATOS DIVERSOS

1. Coordenadas geográficas: Con valor aproximado han sido tomadas del mapa de la República Argentina que el Instituto Geográfico Militar editó en el año 1937, escala 1:1.500.000.

   Lat. geográfica, φ = 34°33'S;

   Long.geográfica, λ = 58°44'W de G.

2. Aceleración de la pesantez (corrección por gravedad): g= -0.75.
3. Diferencia entre la hora local y la hora de Greenwich: ΔG = 3h 55m.
4. Altura del Observatorio sobre el nivel del mar: Hs= 27.4 m.
5. Los cómputos climatológicos se han realizado en base a las observaciones efectuadas a las 8.00, 14.00 y 20.00 horas.(Hora legal argentina del meridiano 60°huso XX).
6. Símbolos adoptados: si no se expresa lo contrario las letras y símbolos que distinguen a los elementos meteorológicos, responden a lo sancionado en la conferencia de directores del mundo (Resolución XX, Varsovia, setiembre 1935), y en la II^{a}. Reunión de la Comisión Regional III^{a}. (Montevideo, febrero 1939), según Resolución XIII.

II. REGISTROS ELÉCTRICOS

1. Potencial Atmosférico.

   a) El potencial atmosférico (P) se mide con dos electrómetros a cuadrantes y registro de puntos de la fábrica Labo-Gif, París. El captador de ionio está colocado a 5.40 m.sobre el nivel del suelo. Los valores numéricos de la tabla están corregidos por el debido coefeciente e indican potencial absoluto, reducidos a volts por metro (V/M). En los promedios sólo se toman en cuenta los días del tipo "0" y "1" completos, desechándose el valor que por cualquier causa fuese dudoso.

   b) Tipo de la curva.- Las bandas se clasifican en cuatro tipos:

   Tipo "0".- No hay valores de potencial negativo y las curvas son sin grandes fluctuaciones.

   Tipo "1".- Hay potencial negativo durante no más de tres períodos horarios. Las fluctuaciones pueden ser bruscas pero no tanto que se salgan mucho del campo de los aparatos ni sea imposible leerlas.

   Tipo "2".- Hay potencial negativo durante 4 ó más períodos horarios (no es necesario que la suma del tiempo con potencial negativo sea siempre más de tres horas). Las fluctuaciones igual que el tipo "1", aunque algunas salidas del campo no impiden que un día sea del tipo "2".

   Tipo "3" o de perturbación.- Grandes cambios de potencial que hacen imposible su lectura y cálculo. Las agujas salen continuamente fuera del campo de los aparatos o éstos deben ser puestos a tierra por tormentas eléctricas.

   c) Otros signos.-Valen los siguientes signos convencionales:

   V/M: Valor del potencial en volts, referido a un metro sobre el nivel del suelo.

   $+\infty, -\infty$: El valor del potencial ha superado una sola vez, por la parte de los potenciales positivos o negativos, el límite del campo disponible en el aparato para registrar las indicaciones de los electrómetros.

   $\pm\infty$: El potencial ha salido del campo en ambos signos durante la hora indicada.

   Ru : Aparatos puestos a tierra por intensa tormenta eléctrica.

- : Registros perdidos por diversas causas (telas de araña, etc...).

* : Día incompleto.

2. Ionización del aire.

a) El coeficiente de dispersión (a) se mide dos veces por día (al mediodía y una hora antes de la puesta del Sol)por el método Gocke Schering usando un electrómetro bifilar Wulf de la fábrica Leybolds nº.969.

b) La conductibilidad (λ) se mide dos veces por día simultáneamente con el coeficiente de dispersión. El aparato usado es un condensador de Gerdien con motor eléctrico y electrómetro bifilar Wulf nº.970.

c) El número de iones livianos (n) positivos y negativos se mide simultáneamente una vez por día en la hora que precede al mediodía, usándose para ello dos contadores de iones Ebert-Marche de la fábrica Günther y Tegetmeyer con electrómetros bifilares Wulf nºs. 6339 y 6562.

d) La movilidad de los iones (k) se mide al mismo tiempo y con los mismos aparatos que el número de iones usando un condensador auxiliar de que están provistos los condensadores debiéndose hacer una segunda determinación de la carga iónica con los condensadores en serie.

e) La corriente vertical (i) se obtiene por cálculo según la fórmula:

$$i = P\ (\lambda^{+}+\lambda^{-}).$$

Para "P" y "λ" se toma la conductibilidad a mediodía y de tarde y el valor promedio del potencial durante el tiempo que duró la determinación de "λ".

III. CORRIENTES TELÚRICAS

a) Las corrientes telúricas se registran en dos componentes horizontales, N-S y E-W. Para el registro se usa un aparato de diseño y fabricación propio con inscripción a puntos simultáneos por chispa eléctrica cada minuto. La sensibilidad de los galvanómetros es suficiente para trabajar con 50000 ohms en serie en las líneas largas y 10000 ohms en las líneas cortas, evitando así toda corrección contínua de los valores registrados por las muy pequeñas variaciones de resistencia de líneas y tomas.

b) Líneas y tomas.-Hay dos sistemas completos e independientes de líneas y tomas orientadas exactamente en dirección N-S y E-W. Las tomas están formadas por parrillas de alambre de plomo puro enterrado a 1.10 metros de profundidad,todas en terreno arcilloso muy semejante.Con líneas largas la distancia entre tomas es de 3000 metros para la componente N-S y 2580 metros para la componente E-W. Con líneas cortas estas distancias son de 520 metros para la componente N-S y 620 metros para la E-W.

c) Notación.- Los valores están reducidos a milivolts por kilómetro (MV/Km) y cuando no llevan ningún signo son de sentido positivo. Cuando son de sentido negativo los valores llevan el signo menos (-). En las columnas verticales se indica además del promedio de la suma algebraica de los valores horarios, los valores correspondientes a la curva de variaciones por ser ésta de interés principal en las corrientes telúricas. Cuando por cualquier causa se ha perdido el registro se indica esto con una raya (—) en lugar del valor correspondiente. Algunos meses se trabaja usando las líneas largas, otros las cortas. Esto va indicado en el encabezamiento de las planillas.

d) Tipo de curva.-Las curvas diarias son clasificadas en tres tipos:

Tipo "0".- Curva muy regular con variación diurna muy pura.

Tipo "1".- Curva algo accidentada pero que conserva todavía las principales características de la variación diurna.

Tipo "2".- Curva muy accidentada.

IV. REGISTROS METEOROLÓGICOS

1. Presión atmosférica.- Los valores consignados en milímetros y décimos de milímetros se han obtenido por interpolación entre las lecturas directas, en las horas mencionadas, del Barómetro Fortín N-Z nº. 2575, corregidas por temperatura, error de índice (s/c) y gravedad (-0.75), y los dados por las fajas del Barógrafo Fuess nº. 3130. La altura de la cubeta del Barómetro está a 28.2 m. sobre el nivel del mar.
2. Temperatura del aire.- Los valores anotados en grados y décimos corresponden a los de la escala centígrada o Celsius, habiéndoselos obtenido por interpolación entre las lecturas directas del Termómetro de mercurio Fuess nº.82123, y los dados por las fajas del Termógrafo Fuess nº.101252.
3. Humedad relativa.- Los valores expresados en tanto por ciento (%) se han deducido por interpolación entre los determinados por el Psicrómetro Fuess nºs .82123 y 82124, y los leídos en las fajas del Higrógrafo N-Z nº.12152 con excepción de los correspondientes a las 8.00, 14.00 y 20.00 horas. Estos valores así como los anteriores vienen suministrados por el instrumental instalado dentro del abrigo meteorológico; sus órganos sensibles se encuentran a 1.60 m. sobre el nivel del suelo.
4. Tensión del vapor.- Los valores indicados en milímetros y décimos de milímetros los entregan las tablas correspondientes utilizando como argumento los valores interpolados de la "temperatura del aire" y "humedad relativa", con excepción de los valores de las 8.00, 14.00 y 20.00 horas obtenidos de las tablas psicrométricas.
5. Viento: dirección y velocidad.- La dirección se anota según ocho rumbos y con las abreviaturas clásicas, deducida de la veleta registradora Richard nº.91435.- Los valores de la velocidad en m/s son los observados durante los cinco minutos que preceden a las horas de las observaciones; valen las cifras de la escala de Beaufort convertidas en m/s.
6. Nubes: grado y clases.- Se consigna el resultado de la observación estimada y considerando al cielo dividido en ocho partes, de modo que para un cielo completamente despejado de nubes se considera nubosidad cero (0), y para el completamente cubierto nubosidad ocho (8). Las clases responden a las existentes en el cielo en el momento de las observaciones; las abreviaturas son las corrientes.
7. Visibilidad.- Se anotan los grados de visibilidad horizontal existente en el momento de la observación y utilizando las cifras de la tabla correspondiente, de modo que en una escala de 90 a 99 la primera cifra indique no ser visible un objeto situado a menos de 50 metros y la última a más de 50.000.
8. Radiación solar.- Los números indican la cantidad de calor radiante expresado en gramo-calorías por centímetro cuadrado y por minuto deducidos del juego de actinómetros: Bulbo blanco Fuess nº.1872 y Bulbo negro Fuess nº.1873, siendo la constante instrumental 12.3°.
9. Insolación y Transparencia.- Los números responden a las escalas especiales siguientes:

   Insolación: Sol completamente oculto (0); id., débil con intermitencias (1); id.,id., constante (2); id., bastante bueno con intermitencias (3); id.,id.,id., constante (4); id., espléndido (5).

   Transparencia: Pésima (1); mala (2); mediana (3); buena (4); muy buena (5).
10. Heliofanía.- Las cifras representan las horas y décimos de hora leídas en las fajas del Heliofanógrafo Campbell nº.1541. Cuando se consideran los totales diarios que dan el tiempo que el Sol quemó las fajas del instrumento, se habla de H. efectiva; H. teor.-astronómica son los valores correspondientes al "máximum posible de horas de Sol" que corresponde al Observatorio según su posición geográfica; H. relativa los valores obtenidos de dividir la "H. efectiva" por la "H. teor.-astronómica" y multiplicado por cien.
11. Lluvia.- Los datos se obtienen del pluviómetro Hellmann (Tipo B) situado a 1.50 m.

sobre el nivel del suelo, controlados con el Pluviógrafo Casella nº.428. A los efectos de estudiar el gradiente de caída se consignan además los valores que entregan los Pluviómetros Tipo A colocados a 0.50 m., 7.00 m. y 18.00 m. sobre el nivel del suelo. Los valores expresados en milímetros y décimos representan el total de lluvia caída en las últimas 24 horas.

12. Estado del suelo.- Los valores vienen dados en cifras del código internacional de 0 a 9.
13. Evaporación.- Los números expresados en milímetros y décimos de milímetros representan el total de agua evaporada en las últimas 24 horas deducidos del Evaporímetro nº.30. Se entiende que el total del agua evaporada es la determinada en la observación de las 8.00 horas.
14. Geohidrometría.- Las cifras representan el porcentaje de humedad a las profundidades diversas del suelo, considerando que éste ha sido previamente deshidratado a una temperatura de 105° C.
15. Freatímetro.- Los valores expresados en milímetros indican las variaciones del nivel de la primera capa de agua del subsuelo, deducidos del Freatímetro DMGH 133.
16. Geotemperatura.- Valores directos de la temperatura del subsuelo tomados a las horas y profundidades que se indican de los termómetros: Fuess 13281 (0.05 m.), 14530 (0.10 m.), 13117 (0.20 m.), 13135 (0.30 m.), 14786 (0.40 m.); Salmoiraghi 50537 (0.50 m.); Fuess 13198 (1.00 m.), 7061 (2.00 m.); N-Z H3009 (3.00 m.).
17. Temperatura mínima del suelo.- Valores mínimos de la temperatura de la superficie a las 8.00 horas del Termómetro N-Z CE5423.
18. Ocurrencia de hidrometeoros y otros fenómenos.- No habiendo sido posible adquirir caracteres especiales de imprenta valen las siguientes denominaciones:

LL: lluvia.-
Z : llovizna.-
Ni: nieve.-
AN: agua-nieve.-
CH: chaparrones.-
Chni: chaparrones de nieve.-
CHan: chaparrones de agua-nieve.-
G : granizo.-
Gb: granizo blando.-
Pi: piedra.-
N : niebla.-
Ne: neblina.-
Ns: niebla del suelo.-
B : bruma.-
Vx: aire diáfano - Visib. extr.-
Cn: cielo cubierto.-
Ca: cielo claro.-
Ru: tormentas (relámp. y truen.).-
R : relámpagos.-
Tv: vientos fuertes.-
r : rocío.-
h : helada.-
ns: suelo cubierto de nieve.-
Gh: granos de hielo.-
ah: agujas de hielo.-
fi : cencellada blanda.-
fia: cencellada dura.-
H : hielo glaseado.-
Kn: nevascas.-
Ka: ventisca alta.-
Kb: ventisca baja.-
Nla: nieve con agujas de hielo.-
Tp: tromba-remolinos de polvo.-
Ng: nieve granulada.-
Ta: tempestad de polvo o arena.-
Ds: halo solar.-
Dl: halo lunar.-
Js: corona solar.-
Jl: corona lunar.-
P : arco iris.-
M : aurora.-
S : luz zodiacal.-
E : espejismo.-
Am: amenazante.-
dv: deposición de vapor.-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VI ENERO 1951 Nº 1

RESUMEN MENSUAL

Con presión alta, buen tiempo y marcas térmicas elevadas se inicia el año. La débil corriente reinante del Norte es desplazada el 5 por el pasaje de un frente frío que provoca considerable nubosidad y lluvias no muy intensas. El rápido movimiento de esta zona frontal hacia el NE, restablece el buen tiempo estival, con temperaturas que sobrepasan los 30.0° C; las condiciones reinantes no se alteran hasta el 9, día en que se registran tormentas eléctricas y lluvias provocadas por una extensa zona frontal.

Con aire marítimo, buen tiempo y radiación intensa anótase el 12 la presión máxima del mes con 762.3 mm. El 14 empieza el período más caluroso no sólo del mes sino de todo el verano 1950/51. Hasta el fin de la década reina tiempo muy caluroso de nubosidad variable. La temperatura sobrepasa estos días los 30.0°C; la humedad relativa cuya mínima mensual regístrase el 15 con 12%, aumenta hasta el punto de saturación; la tensión acusa las dos extremas mensuales: 4.4 mm el 15 y 22.0 mm el 18. El pasaje de un frente frío con lluvias muy intensas (36.0 mm en 24 hs) y brusco descenso de la temperatura (13.0°C en 6 hs), pone fin a este proceso que culmina el 20, día en que la temperatura alcanza su máxima mensual con 31.5°C y la presión su nivel mínimo con 747.1 mm.

En el aire fresco de origen polar, que predomina en la primera mitad de la última década, desciende la temperatura hasta valores de 10.0° C por debajo del término medio; el 22 anótase la mínima mensual con 10.2°C. Sólo después del pasaje de un nuevo frente frío el 23 que desencadena también intensas lluvias empieza a subir lentamente la temperatura y a restablecerse un tiempo más estable y estival. Sin embargo otra zona frontal perturba de nuevo el estado del tiempo el 28 y 29 con tormentas, lluvias y ráfagas que sobrepasan los 60 km/h; en los dos últimos días del mes reina otra vez tiempo bueno y caluroso.

Los promedios mensuales entregan una desviación positiva de 0.8°C en la temperatura, debido a la cantidad elevada de días con marcas superiores a los 30.0°C (16 días), y una desviación negativa de 1.2 mm en la presión atmosférica. Los demás elementos varían de acuerdo a los importes normales para esta época del año.

POTENCIAL ATMOSFÉRICO en V/M.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	95	75	67	67	73	83	77	67	77	81	89	85	77	69	73
2	17	19	16	19	32	39	43	44	103	137	123	50	14	57	57
3	17	19	17	21	19	41	95	101	137	133	123	91	141	145	151
4	56	69	73	46	26	39	65	61	87	97	77	73	69	57	61
5	85	-26	89	69	77	71	145	157	125	109	105	95	85	83	67
6	61	57	65	69	50	43	101	85	73	85	61	85	67	54	24
7	61	67	61	63	93	113	121	159	161	137	105	35	-26	-66	-91
8	- 8	10	12	16	35	39	41	14	-58	-27	17	-17	14	52	61
9	65	32	-10	3	14	-	-34	5	-54	-62	23	39	19	139	1[illegible]
10	-70	75	83	121	95	56	125	137	129	99	81	50	-24	-70	-[illegible]
11	-	-	-	-	-	46	91	97	145	127	121	125	145	125	91
12	59	54	28	26	41	75	127	123	101	121	113	107	115	103	125
13	83	63	56	61	50	69	72	79	97	97	101	109	125	129	77
14	111	91	54	50	65	46	61	65	65	61	21	9	21	3	24
15	48	50	57	57	61	103	161	143	75	69	104	90	83	28	34
16	21	55	83	104	97	97	110	124	41	48	62	76	76	69	55
17	48	41	48	-	-	55	69	55	69	55	28	48	48	48	48
18	97	90	55	55	41	55	34	28	28	4	- 7	14	34	21	21
19	34	34	28	34	48	69	76	55	48	41	34	34	28	14	21
20	55	55	41	41	41	48	62	48	48	34	21	28	34	21	21
21	55	7	90	-97	21	-14	-14	21	28	28	34	34	41	48	62
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	21	14	0	- 7	14	28	28	34	21	7	21	28	28	28	34
25	62	55	62	55	62	83	172	284	124	69	14	-41	-34	-55	-55
26	83	83	76	62	76	55	131	252	152	-	-	-	-	-	55
27	69	69	69	76	83	83	83	55	41	14	-14	-34	7	28	28
28	7	-55	14	28	41	48	48	55	55	48	48	55	69	97	90
29	48	41	41	48	110	76	21	21	138	186	193	131	83	83	76
30	41	41	41	41	48	48	48	62	76	55	41	34	41	55	41
31	48	83	55	62	69	97	117	110	104	76	- 7	14	55	28	28
Prom.	57.6	41.1	48.9	45.9	54.7	63.4	80.7	80.7	98.4	102.2	97.3	84.3	84.9	82.0	76.9

IONIZACIÓN DEL AIRE

DÍAS	COEFICIENTE DE DISPERSION "a" x 100								CONDUCTIBILIDAD " λ " $.10^{-4}$							
	mañana				tarde				mañana				tarde			
	a^-	a^+	a^-+a^+	a^-/a^+	a^-	a^+	a^-+a^+	a^-/a^+	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-
1									1.40	1.27	2.67	1.10	0.40	0.43	0.83	0.93
2									0.26	0.29	0.55	0.90	0.45	0.45	0.90	1.00
3									0.32	0.25	0.57	1.28	0.34	0.37	0.71	0,92
4									1.82	1.95	3.77	0.93	1.27	1.38	2.65	0.92
5									-	-	-	-	-	-	-	-
6									0.79	0.83	1.62	0.95	1.21	1.17	2.38	1.03
7									0.26	0.32	0.58	0.81	0.53	0.52	1.05	1.02
8									0.91	1.04	1.95	0.88	1.61	1.64	3.25	0.98
9									0.43	0.48	0.91	0.90	1.40	1.57	2.97	0.89
10									0.60	0.59	1.19	1.02	0.32	0.52	0.84	0.62
11									0.20	0.20	0.40	1.00	0.22	0.22	0.44	1.00
12									0.64	0.58	1.22	1.10	0.42	0.33	0.75	1.27
13									0.43	0.47	0.90	0.91	0.40	0.49	0.89	0.82
14									0.97	1.15	2.12	0.84	0.55	0.82	1.37	0.67
15									0.61	0.49	1.10	1.24	1.20	1,29	2.49	0.93
16									0.62	0.55	1.17	1.13	1.00	1.10	2.10	0.91
17									1.55	1.62	3.17	0.96	0.89	1.14	2.03	0.78
18									1.61	1.76	3.37	0.91	1.15	1.49	2.64	0.77
19									1.40	1.62	3.02	0.86	1.37	0.18	1.55	7.61
20									1.30	1.22	2.52	1.07	1.09	1.11	2.20	0.98
21									2.02	3.04	5.06	0.66	1.15	1.14	2.29	1.01
22									0.75	0.89	1.64	0.84	0.54	0.63	1.17	0.86
23									1.59	2.43	4.02	0,65	0.30	0.42	0.72	0.71
24									0.82	0.86	1.68	0.95	0.61	0.80	1.41	0.76
25									1.02	1.29	2.31	0.79	0.87	0.75	1.62	1.16
26									1.24	1.17	2.41	1.06	0.77	0.80	1.57	0.96
27									1.21	1.56	2.77	0.78	1.01	0.96	1.97	1.06
28									1.06	1.04	2.10	1.02	0.55	0.70	1.25	0.78
29									0.81	0.87	1.68	0.93	1.03	0.69	1.72	1.49
30									1.12	0.98	2.10	1.14	0.86	0.89	1.75	0.97
31									1.20	1.12	2.32	1.07	1.28	1.32	2.60	0.97
Prom.									0.97	1.06	2.03	0.92	0.83	0.84	1.67	0.99

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplit.	Tipo de Curva
85	83	91	123	129	89	19	17	16	75.3	169	00	169	0
73	52	5	75	97	-	-	-	-		185	-59	244	2*
171	163	143	109	57	111	54	85	61	91.9	213	-24	237	1
73	63	65	63	97	85	50	85	-24	63.0	197	-176	373	1
65	69	75	69	89	87	87	77	65	84.1	249	-185	434	1
34	24	32	44	65	16	-10	39	46		181	-182	363	2
-90	-34	- 4	35	87	63	12	26	46		237	-161	398	2
69	54	65	69	57	87	89	81	79		117	-164	281	2
87	93	65	93	95	85	-48	-53	-27		249	-217	466	2*
21	21	-	-	-	-	-	-	-		257	-170	427	2*
-22	133	91	115	44	56	75	79	77		229	-67	296	1*
117	113	101	89	115	101	95	79	85	92.2	177	- 8	185	1
103	87	69	65	77	105	119	103	117	88.0	173	10	163	0
-31	21	41	28	57	- 4	7	61	63		249	-146	395	2
21	7	14	21	41	34	48	-55	34		210	-55	265	2
55	- 7	7	4	34	76	90	97	76		152	-48	200	2
41	41	34	48	69	90	90	83	83		138	-28	166	1*
41	41	34	41	69	90	76	55	55		138	-55	193	2
28	55	62	69	83	76	62	69	62	48.5	131	-14	145	1
14	48	41	21	69	69	7	-76	28		131	-167	298	2
62	62	55	28	21	41	48	48	48		362	-454	816	2
-	-	-	-	-	-	-	-	-		-	-	-	-
-	-	-	-	-	-	-	-	-		-	-	-	-
28	41	21	48	83	76	62	55	62		83	-41	124	2
-62	-14	21	62	48	55	145	110	131		397	253	650	2
62	90	90	90	110	117	159	152	110		357	00	357	0*
28	34	48	76	90	104	55	48	41		145	-97	242	2
76	62	-41	159	-195	41	233	-69	69		752	871	1623	2
69	55	41	41	48	41	34	34	34	70.5	272	-34	306	1
48	48	34	21	28	62	69	48	55	46.9	117	-69	186	1
21	21	41	62	83	90	62	97	-34		207	-195	402	2
84.3	81.8	75.7	72.1	80.3	84.1	65.4	66.3	52.3	73.4				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i" $.10^{-7}$ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
hora iones	hora λ a.m.	hora λ p.m.	a.m.	p.m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
95	87	93	7.74	2.57	612	400	1012	1.53	-	-
113	67	-17	1.23	-0.51	343	201	544	1.71	-	1.98
123	105	157	2.00	3.72	664	572	1236	1.16	0.60	0.38
75	71	65	8.92	5.74	1085	865	1950	1.25	1.35	1.12
103	101	81	-	-	815	846	1661	0.96	0.73	1.24
69	89	28	4.81	2.22	916	509	1425	1.80	0.24	0.76
101	46	5	0.89	0.18	306	687	993	0.44	1.83	1.27
14	-10	63	-0.65	6.82	972	561	1533	1.73	0.67	1.40
57	61	61	1.85	6.04	867	1402	2269	0.62	-	1.94
83	87	-	3.45	-	515	461	976	1.12	0.87	-
129	125	85	1.67	1.25	509	572	1081	0.89	2.32	1.90
115	119	89	4.84	2.22	800	612	1412	1.31	1.36	2.27
89	105	89	3.15	2.64	662	714	1406	0.89	-	1.17
12	3	39	0.21	1.78	916	865	1781	1.06	0.48	0.67
104	83	28	3.04	2.32	714	744	1458	0.96	0.56	1.76
69	69	7	2.69	0.49	744	612	1356	1.22	1.17	1.60
28	41	34	4.33	2.30	972	716	1688	1.36	0.67	0.57
- 7	14	34	1.57	2.99	865	800	1665	1.08	-	-
34	41	62	4.13	3.20	616	756	1372	0.81	0.27	-
21	21	48	1.76	3.52	918	855	1773	1.07	0.86	0.49
28	34	69	5.73	5.27	725	1125	1850	0.64	-	1.40
-	-	-	-	-	815	689	1504	1.18	-	-
-	-	-	-	-	744	559	1303	1.33	0.29	-
21	28	21	1.57	0.99	1121	1180	2301	0.95	1.40	1.04
21	-28	-21	-2.16	-1.13	914	968	1882	0.94	1.90	0.18
-	-	- 104	-	5.44	867	972	1839	0.89	0.67	0.22
-21	-34	41	3.14	2.69	861	664	1525	1.30	0.50	2.38
55	55	-104	3.85	-4.33	809	1161	1970	0.70	2.41	1.48
220	152	48	8.51	2.75	888	561	1449	1.58	0.25	1.40
41	41	55	2.87	3.21	968	859	1827	1.13	0.82	0.26
-34	-14	41	1.08	3.55	855	763	1618	1.12	2.28	-
63	56	47	3.04	2.52	786	751	1537	1.05	1.17	1.38

COMPONENTE NORTE en MV/Km.

DIAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	36.4	25.0	27.0	25.0	27.0	30.8	32.7	27.0	30.8	36.6	34.6	36.6	30.8
2	42.4	34.6	36.6	38.5	42.4	46.2	40.4	34.6	36.6	40.4	40.4	38.5	34.6
3	36.6	30.8	34.6	34.6	42.4	40.4	38.5	36.6	38.5	38.5	40.4	44.3	40.4
4	3.8	3.8	5.8	5.8	11.6	15.4	9.6	3.8	5.8	9.6	15.4	11.6	3.8
5	17.3	11.6	9.6	5.8	13.5	17.3	15.4	5.8	7.7	13.5	21.2	19.2	15.4
6	3.8	1.9	- 3.0	- 3.0	1.9	3.8	- 3.0	- 6.1	- 3.0	- 1.5	3.8	1.9	- 1.5
7	- 4.5	- 7.5	- 6.1	- 7.5	- 3.0	- 3.0	-	- 1.5	1.9	9.6	9.6	11.6	1.9
8	1.9	- 1.5	1.9	1.9	7.7	13.5	9.6	5.8	7.7	15.4	11.6	17.3	17.3
9	5.8	1.9	5.8	9.6	11.6	11.6	11.6	5.8	9.6	15.4	23.1	21.2	15.4
10	-16.5	-16.5	-13.5	-16.5	- 9.0	- 7.5	-10.5	-16.5	-12.0	-13.5	-	-	-
11	-19.5	-19.5	-22.5	-21.0	-25.5	-33.0	-40.6	-37.6	-33.0	-30.8	-16.5	3.8	- 9.0
12	- 7.5	- 6.1	- 4.5	- 1.5	-12.0	-19.5	-21.0	-24.0	-10.5	-12.0	-10.5	- 9.0	- 9.0
13	- 7.5	- 4.5	- 6.1	- 3.0	- 6.1	-10.5	-18.0	-18.0	-12.0	5.8	9.6	5.8	1.9
14	1.9	3.8	- 3.0	3.8	- 1.5	- 4.5	-16.5	-16.5	-15.0	- 9.0	- 1.5	- 7.7	- 9.0
15	- 7.5	3.8	- 1.5	- 3.0	-10.5	-12.0	-18.0	-22.5	-16.5	- 4.5	- 3.0	1.9	- 7.5
16	- 6.1	- 6.1	-10.5	-10.5	-12.0	-18.9	-27.0	-30.0	-25.5	-10.5	- 7.5	- 7.5	-15.0
17	9.6	19.2	5.8	-	-	-	-10.5	-12.0	-	- 6.1	- 3.0	- 6.1	-12.0
18	-19.5	-19.5	-21.0	-16.5	-30.0	-33.0	-30.0	-22.5	-16.5	-16.5	-22.5	-13.5	-22.5
19	1.9	-12.0	-12.0	- 7.5	-10.5	-18.0	-24.0	-18.0	- 7.5	- 3.0	- 3.0	9.6	-12.0
20	- 3.0	- 6.1	- 3.0	- 1.5	- 7.5	-18.0	-19.5	-15.0	-	11.6	5.8	9.6	- 1.5
21	- 6.1	- 4.5	- 7.5	-	-	-	-	-	-	-	-	-	-
22	-16.5	-12.0	-10.5	-12.0	-19.5	-27.0	-21.0	-24.0	-33.0	-40.6	-28.5	-30.8	3.8
23	-	-	-	-	-	-	-	-	-30.0	-28.5	-34.5	-28.5	-42.0
24	-	-	-	-	-	-	-	-	-	7.7	11.6	5.8	5.8
25	-	-	-	-	-	-	-	-	-	-	-	-	12.0
26	-19.5	-21.8	-22.5	-18.8	-28.5	-24.6	-29.0	-30.0	-26.1	-15.8	-15.8	-19.5	21.0
27	-14.2	-20.3	-21.0	-12.8	-12.8	-	-.	-	-	-13.5	-12.8	- 6.8	- 7.5
28	- 9.0	-10.5	- 7.5	- 7.5	-11.2	-12.0	-17.2	-15.0	-16.5	-12.0	-11.2	-16.5	-12.0
29	-	-	-	-	-	-	-	-18.0	-12.0	-10.5	- 9.0	- 3.0	- 3.8
30	- 9.0	-13.5	-16.5	-13.5	-20.3	-22.5	-19.5	-19.5	-15.0	-27.0	-13.5	- 4.5	- 6.8
31	-15.0	-15.0	-18.8	-11.2	-	-	- 3.8	-22.4	-18.8	-12.0	-12.0	-19.5	-15.0
Prom	- 0.7	- 2.2	- 3.1	- 1.7	- 2.6	- 3.7	- 7.1	- 9.6	- 6.6	- 2.2	0.8	2.4	0.6
Var.	4.7	3.2	2.3	3.7	2.8	1.7	- 1.7	- 4.2	- 1.2	3.2	4.6	3.0	4.8

COMPONENTE ESTE en MV/Km.

DIAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	-13.6	1.4	- 4.1	- 2.7	- 6.8	-12.2	-13.6	-10.9	-16.3	-20.4	-17.7	-17.7	-19.1
2	-15.0	- 2.7	- 4.1	- 6.8	-17.7	-23.1	-20.4	-19.1	-17.7	-19.1	-15.0	-15.0	-13.6
3	- 6.8	- 5.4	- 8.2	- 6.8	-17.7	-16.3	-19.1	-16.3	-13.6	-15.0	-16.3	-13.6	-13.6
4	- 6.8	- 6.8	- 8.2	-10.9	-20.4	-28.6	-24.5	-20.4	-20.4	-17.7	-19.1	-20.4	-17.7
5	-16.3	- 9.5	- 9.5	- 8.2	-16.3	-23.1	-23.1	-21.8	-23.1	-23.1	-25.9	-25.9	-25.9
6	-28.6	-20.4	-16.3	-16.3	-21.8	-29.9	-24.5	-23.1	-24.5	-23.1	-27.2	-27.2	-27.2
7	-24.5	-15.0	-20.4	-16.3	-15.3	-15.0	-	-15.0	-15.0	-21.8	-25.9	-25.9	-20.4
8	-16.3	-10.9	-13.6	-13.6	-24.5	-28.6	-31.3	-24.5	-25.9	-19.1	-23.1	-17.7	-23.1
9	-10.9	-10.9	-12.2	-17.7	-28.6	-31.3	-29.9	-23.1	-21.8	-23.1	-28.6	-21.8	-20.4
10	- 4.1	- 4.1	- 8.2	- 9.5	-21.8	-27.2	-20.4	-15.0	-16.3	-15.0	-23.1	-24.5	-21.8
11	- 1.4	- 2.7	- 2.7	- 5.4	-15.0	-21.8	-24.5	-16.3	-16.3	-16.3	-13.6	-15.0	-15.0
12	- 6.8	- 5.4	- 8.2	-10.9	-19.1	-27.2	-21.8	-17.7	-20.4	-17.7	-16.3	-16.3	-19.1
13	- 8.2	- 6.8	- 9.5	-10.9	-20.4	-28.6	-21.8	-16.3	-16.3	-17.7	-19.1	-19.1	-17.7
14	-13.6	- 6.8	- 9.5	-10.9	-13.6	-16.3	-21.8	-21.8	-23.1	-27.2	-20.4	-20.4	-20.4
15	-12.2	- 8.2	- 9.5	-13.6	-28.6	-29.9	-24.5	-20.4	-21.8	-23.1	-23.1	-21.8	-19.1
16	- 8.2	-10.9	-10.9	-10.9	-17.7	-28.6	-29.9	-20.4	-23.1	-17.7	-20.4	-19.1	-19.1
17	- 6.8	- 8.2	- 9.5	-	-	-	-27.2	-19.1	-	-19.1	-19.1	-19.1	-19.1
18	- 8.2	- 6.8	-10.9	-10.9	-21.8	-31.3	-28.6	-21.8	-20.4	-20.4	-21.8	-19.1	-21.8
19	- 6.8	- 6.8	- 9.5	-12.2	-21.8	-29.9	-28.6	-24.5	-20.4	-21.8	-20.4	-23.1	-19.1
20	- 8.2	- 8.2	- 9.5	-10.9	-20.4	-25.9	-25.9	-20.4	-19.1	-15.0	-16.3	-20.4	-19.1
21	-17.7	-12.2	-10.9	-	-	-15.0	-15.0	-17.7	-20.4	-24.5	-24.5	-25.9	-20.4
22	-16.3	- 9.5	-12.2	-13.6	-27.2	-28.6	-27.2	-19.1	-21.8	-19.1	-20.4	-	-
23	-	-	-	-	-	-	-	-	-15.0	-15.0	-17.7	-20.4	-20.4
24	8.2	6.8	8.2	5.4	4.1	2.7	1.4	4.1	13.6	6.8	6.8	5.4	6.8
25	-	-	-	-	-	-	-	-	-	-	-	-	-25.9
26	-13.6	-10.9	-12.2	-15.0	-25.9	-28.6	-24.5	-23.1	-23.1	-25.9	-23.1	-	-
27	-13.6	- 9.5	-15.0	-15.6	-17.7	-24.5	-21.8	-19.1	-19.1	-13.6	-17.7	-15.0	-16.3
28	-10.9	- 9.5	-10.9	- 9.5	-13.6	-15.0	-19.1	-21.8	-23.1	-23.1	-23.1	-19.1	-13.6
29	-	-	-	-	-	-	-	-19.1	-21.8	-19.5	-20.4	-23.1	-20.4
30	- 8.2	- 6.8	- 9.5	-10.9	-19.1	-24.5	-24.5	-19.1	-19.1	-15.0	-16.3	-15.0	-16.3
31	-10.9	- 9.5	-10.9	-13.6	-	-24.5	-23.1	-20.4	-24.5	-17.7	-21.8	-17.7	-16.3
Prom	-10.9	- 7.7	- 9.6	-10.7	-18.8	-23.4	-22.8	-18.7	-19.0	-19.0	-19.7	-19.1	-18.4
Var.	6.1	9.3	7.4	6.3	- 1.8	- 6.4	- 5.8	- 1.7	- 2.0	- 2.0	- 2.7	- 2.1	- 1.4

LINEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
27.0	30.8	32.7	28.9	28.9	34.6	38.5	38.5	38.5	34.6	38.5	32.2	0
30.8	34.6	32.7	34.6	30.8	34.6	36.6	38.5	38.5	36.6	34.6	37.0	0
36.6	36.6	34.6	30.8	34.6	40.4	44.3	40.4	38.5	40.4	38.5	38.0	0
1.9	5.8	3.8	3.8	3.8	5.8	7.7	9.6	3.8	1.9	7.7	6.7	0
1.9	3.8	1.9	- 1.5	1.9	1.9	1.9	3.8	1.9	- 1.5	1.9	8.0	0
- 3.0	- 1.5	1.9	- 1.5	- 1.5	- 1.5	1.9	1.9	1.9	- 3.0	- 4.5	- 0.5	0
- 3.0	- 3.0	1.9	5.8	1.9	1.9	5.8	5.8	1.9	1.9	3.8	1.1	0
15.4	15.4	13.5	11.6	9.6	7.7	11.6	11.6	7.7	7.7	5.8	9.5	0
7.7	3.8	1.9	7.7	9.6	5.8	9.6	9.6	5.8	-15.0	-19.5	7.3	1
-	-19.5	-15.5	-18.0	-12.0	-24.0	-12.0	-21.0	-13.5	- 7.5	- 1.5	13.8	1
-25.5	-	-39.1	-36.0	-27.0	-21.0	- 7.5	- 7.5	-19.5	- 6.1	- 9.0	-21.9	2
- 7.5	- 7.5	-15.0	-21.0	-25.5	-19.5	-12.0	-10.5	-15.0	3.8	- 9.0	-11.9	1
- 9.0	-12.0	-34.5	-37.6	-27.0	-25.5	-13.5	- 6.1	- 7.5	- 4.5	- 4.5	-10.2	2
- 9.0	-21.0	-24.0	-19.5	-16.5	-19.5	- 4.5	-15.0	-13.5	13.5	- 7.5	- 8.8	2
-16.5	-31.5	-30.0	-33.0	-31.5	-24.0	-15.0	- 4.5	- 4.5	1.9	- 4.5	-12.2	2
-15.0	-24.0	-19.5	-22.5	-22.5	-15.0	-15.0	-13.5	- 7.5	1.9	-12.0	-14.6	2
-15.0	-25.5	-33.0	-34.5	-36.0	-28.5	-28.5	-24.0	-28.5	-21.0	-19.5	-14.7	2
-28.5	-25.5	-25.5	-25.5	-28.5	-21.0	-19.5	-18.0	-21.0	-15.0	-15.0	-21.9	2
-10.5	-25.5	-24.0	-24.0	-39.1	-31.5	-19.5	-	-18.0	1.9	- 3.0	-13.4	2
-15.0	-22.5	-21.0	-22.5	-22.5	-22.5	-13.5	-10.5	-12.0	- 4.5	- 6.1	- 9.6	1
-	-	-53.6	-63.8	-71.0	-59.4	-52.2	-53.6	-59.4	-44.9	-60.9	-44.7	1
- 4.5	-16.5	-21.0	-30.0	-21.0	5.8	11.6	3.8	5.8		-	-15.3	2
-43.5	-53.6	-63.8	-58.0	-50.7	-39.1	-	-19.5	-16.5	-19.5	-18.0	-36.4	2
6.5	- 4.5	- 8.2	-11.2	- 9.8	- 5.2	- 4.5	0.8	- 1.5	- 0.8	- 3.0	- 0.7	2
- 6.1	- 9.0	-10.5	-21.0	-18.8	-	-	-	-18.0	-12.0	-12.0	-10.6	2
-19.5	-37.6	-34.5	-37.6	-30.0	-18.0	-20.3	-16.5	-15.8	-12.8	-19.5	-21.4	2
-12.0	-	-	-	-	-22.5	-	-	-12.8	-11.2	-15.8	-14.0	2
-12.8	-19.5	-28.5	-30.0	-23.2	-21.0	-14.2	- 8.2	-	-	-	-15.0	2
-14.2	-	-22.5	-25.5	-24.0	-23.2	-10.5	-17.2	-12.8	- 6.1	- 9.8	-13.9	2
-22.5	-	-	-	-	-24.0	-10.5	-13.5	-10.5	-11.2	-19.5	-15.6	2
-	-	-	-	-	-25.3	-24.0	-18.8	-19.5	-	-	-16.7	2
- 5.9	- 8.5	-14.2	-16.1	-14.9	-11.8	- 4.5	- 4.1	- 6.1	- 1.8	- 5.1	5.4	
- 0.5	- 3.1	- 8.8	-10.7	- 9.5	- 6.4	0.9	1.3	- 0.7	3.6	0.3		

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
-15.0	-12.2	-10.9	- 9.5	-13.6	-21.8	-19.1	-17.7	-16.3	- 5.4	- 6.8	-12.6	0
-13.6	-15.0	- 9.5	-15.0	-16.3	-16.3	-17.7	-15.0	-16.3	- 6.8	- 4.1	-14.0	2
-12.2	-16.3	-10.9	-13.6	-13.6	-15.0	-17.7	-15.0	-10.9	- 6.8	- 6.8	-12.8	1
-19.1	-20.4	-15.0	-17.7	-19.1	-19.1	-20.4	-19.1	-17.7	- 9.5	-15.0	-17.2	2
-20.4	-24.5	-21.8	-24.5	-25.9	-25.9	-24.5	-24.5	-21.8	-12.2	-23.1	-20.9	1
-25.9	-27.2	-27.2	-29.9	-28.6	-28.6	-28.6	-25.9	-24.5	-16.3	-17.7	-24.6	2
-16.3	-15.0	-20.4	-23.1	-25.9	-23.1	-29.9	-24.5	-23.1	-15.0	-19.1	-20.3	2
-25.9	-27.2	-20.4	-24.5	-21.8	-23.1	-20.4	-20.4	-21.8	-13.6	-15.0	-21.1	1
-19.1	-19.1	-16.3	-	-	-	-	-	-	-10.9	- 9.5	-19.7	2
-21.8	-15.0	-16.3	-21.8	-19.1	-20.4	-16.3	-17.7	-15.0	- 6.8	- 8.2	-16.2	1
- 6.8	-	-10.9	-16.3	-17.7	-19.1	-19.1	-19.1	-16.3	- 8.2	- 9.5	-13.4	1
-16.3	-15.0	-15.0	-17.7	-17.7	-21.8	-20.4	-21.8	-13.6	- 8.2	- 9.5	-16.0	1
-16.3	-13.6	-10.9	-21.8	-21.8	-24.5	-23.1	-19.1	-17.7	-10.9	-12.2	-16.8	2
-17.7	-16.3	-19.1	-17.7	-19.1	-27.2	-25.9	-23.1	-20.4	-15.0	-15.0	-18.4	2
-19.1	-20.4	-23.1	-20.4	-20.4	-21.8	-28.6	-42.3	-35.4	-25.9	-20.4	-22.2	2
-19.1	-19.1	-17.7	-20.4	-21.8	-20.4	-21.8	-20.4	-16.3	- 8.2	- 9.5	-28.9	1
-20.4	-17.7	-21.8	-17.7	-19.1	-28.6	-21.8	-16.3	-20.4	-15.0	-10.9	-17.8	2
-21.8	-17.7	-20.4	-19.1	-19.1	-20.4	-20.4	-21.8	-16.3	- 9.5	-10.9	-18.4	2
-16.3	-21.8	-16.3	-17.7	-16.3	-19.1	-19.1	-	-20.4	-13.6	-15.0	-18.3	2
-19.1	-20.4	-17.7	-17.7	-21.8	-24.5	-24.5	-19.1	-19.1	-10.9	-13.6	-17.8	2
-25.9	-21.8	-25.9	-27.2	-23.1	-29.9	-28.6	-27.2	-23.1	-17.7	-19.1	-21.5	2
-	-	-	-20.4	-20.4	-23.1	-24.5	-23.1	-17.7	-	-	-20.2	2
-19.1	-20.4	-21.8	-15.0	-19.1	-19.1	-	-20.4	-17.7	-16.3	-15.0	-18.2	0
8.2	10.9	8.2	6.8	8.2	5.4	8.2	8.2	10.9	12.2	12.2	7.5	0
-23.1	-19.1	-20.4	-15.0	-19.1	-17.7	-17.7	-20.4	-17.7	12.2	- 9.5	-16.1	1
-20.4	-19.1	-17.7	-16.3	-20.4	-17.7	-19.1	-17.7	-15.0	-12.2	- 9.5	-18.7	2
-15.0	-13.6	-13.6	-15.0	-	-17.7	-17.7	-19.1	-13.6	- 9.5	-13.6	-16.0	2
-12.2	-16.3	-17.7	-16.3	-21.8	-19.1	-12.2	-	-	-	-	-16.4	2
-19.5	-19.5	-15.0	-17.7	-19.1	-20.4	-21.8	-21.8	-17.7	-10.9	-10.9	-18.7	1
-16.3	-	-	-	-	-15.0	-19.1	-15.0	-15.0	- 8.2	- 9.5	-15.1	2
-19.1	-17.7	-17.7	-17.7	-19.1	-23.1	-27.2	-19.1	-	-	-	-18.6	1
-17.2	-17.5	-16.7	-17.9	-19.0	-21.3	-21.4	-20.7	-17.5	-10.0	-11.7	17.0	
- 0.2	- 0.5	0.3	- 0.9	- 2.0	- 4.3	- 4.4	- 3.7	- 0.5	7.0	5.3		

PRESIÓN ATMOSFERICA

en mm. de Hg. al nivel del Observatorio: 700 mm.+ ...

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	58.2	58.0	58.2	58.7	49.2	59.9	60.5	60.6	60.3	60.0	59.5	59.0	58.7	58.6	58.0
2	57.8	57.8	58.0	58.0	58.5	58.8	58.6	58.6	58.0	58.0	58.0	57.9	58.1	58.0	57.7
3	59.2	59.0	59.2	59.7	59.9	60.3	60.4	60.6	60.4	60.1	60.1	59.7	59.1	58.4	57.8
4	56.2	55.5	55.3	55.5	55.6	55.9	55.9	55.6	55.1	54.5	54.3	54.3	53.6	53.0	52.4
5	53.4	53.3	53.0	53.2	53.5	53.7	54.5	54.6	54.7	54.7	54.7	54.8	54.6	54.4	53.8
6	54.4	54.3	54.3	54.4	54.4	54.5	55.0	55.2	54.5	54.2	53.8	53.3	53.1	52.6	51.9
7	54.4	54.3	54.5	55.2	55.6	56.3	57.3	57.4	57.4	57.6	58.0	57.9	57.9	58.0	58.0
8	58.7	58.1	57.9	58.5	58.6	58.6	58.5	58.4	58.1	57.8	57.6	56.9	56.4	55.6	54.9
9	53.9	53.7	53.5	54.1	54.3	54.4	56.0	55.6	55.0	55.4	56.1	55.4	54.5	54.0	53.2
10	56.5	54.3	54.2	54.5	56.3	57.1	57.3	57.2	57.1	57.3	57.4	57.0	57.2	57.6	56.9
11	59.3	59.4	59.6	60.2	60.7	61.0	61.3	61.5	61.4	61.4	61.4	61.3	61.0	60.9	60.4
12	61.6	61.2	61.3	61.5	61.8	62.3	62.3	62.3	62.1	62.0	61.9	61.5	61.1	60.8	60.0
13	59.1	58.5	58.4	58.4	58.4	58.4	58.5	58.1	57.2	56.5	56.2	55.6	54.8	54.1	53.1
14	51.8	51.5	51.2	51.1	51.1	51.6	51.9	51.9	51.6	51.4	51.3	50.9	50.7	50.0	49.4
15	55.1	55.3	55.6	56.0	56.9	56.0	56.4	57.3	56.2	57.0	56.9	56.9	56.9	56.5	56.2
16	59.0	58.9	58.8	58.7	58.8	59.2	59.4	59.6	59.4	59.0	58.7	58.3	57.5	57.1	56.2
17	55.6	55.6	55.7	55.9	56.0	56.2	56.4	57.1	57.0	56.5	56.2	56.0	55.3	54.8	54.2
18	52.9	52.9	52.7	52.7	52.9	53.1	53.3	53.2	52.3	51.9	51.3	50.8	50.3	49.8	49.0
19	50.4	50.5	50.7	51.6	52.0	52.6	52.8	53.0	53.0	53.1	52.8	52.7	52.1	51.9	51.4
20	49.6	49.5	49.6	50.3	50.7	51.1	51.2	51.0	51.0	50.7	50.6	50.3	49.8	49.4	48.9
21	48.8	48.8	50.2	50.3	51.7	53.1	51.9	49.0	49.4	49.7	49.8	49.8	49.9	49.8	50.2
22	53.8	53.9	54.0	54.5	54.8	55.2	55.5	55.8	55.7	55.2	54.4	53.9	53.5	53.2	52.7
23	53.4	53.3	53.2	53.3	52.6	51.9	53.0	54.1	53.3	52.9	51.9	51.4	51.0	50.8	51.1
24	51.4	51.8	51.8	51.9	51.8	52.3	52.7	52.8	52.9	53.2	53.2	53.0	52.9	52.7	52.6
25	55.6	55.8	56.3	56.9	57.4	57.8	58.4	59.0	58.6	58.6	58.3	58.1	57.7	57.6	57.5
26	57.0	56.6	56.3	56.7	56.9	56.9	57.1	57.0	57.7	58.4	59.0	59.6	59.9	60.2	59.7
27	59.2	58.6	58.7	58.8	59.6	59.7	60.5	60.6	60.6	60.4	60.0	59.6	58.9	58.1	57.5
28	56.1	56.3	56.1	56.5	56.5	56.3	56.3	56.4	56.2	56.1	55.7	54.9	54.0	53.4	53.0
29	53.5	53.0	52.6	51.9	52.7	52.8	52.3	52.4	52.5	52.3	51.9	51.9	51.8	51.6	50.8
30	51.8	51.7	51.9	52.1	52.3	53.0	53.1	53.1	53.0	52.9	52.5	52.2	51.9	51.6	51.0
31	52.6	52.4	52.0	52.1	52.6	53.1	53.5	53.6	53.5	53.3	52.8	52.9	52.8	52.5	52.2
Prom	55.2	55.0	55.0	55.3	55.3	55.9	56.2	56.2	56.0	55.9	55.7	55.4	55.1	54.7	54.2

TEMPERATURA DEL AIRE

a la sombra en grados C.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	17.6	17.9	18.1	17.8	17.8	18.1	20.3	22.6	24.2	25.3	27.2	28.5	28.9	28.8	28.8
2	18.5	18.2	16.8	15.9	15.3	16.4	21.8	24.9	26.6	28.8	29.7	30.4	30.5	31.1	31.2
3	21.9	21.6	21.4	20.1	19.6	19.5	21.4	25.0	25.8	26.9	27.4	28.1	29.5	30.1	30.5
4	22.7	22.5	22.1	22.0	21.6	21.3	22.8	25.4	27.4	29.4	30.9	32.0	32.3	32.3	32.8
5	20.2	19.8	19.9	20.0	19.5	19.6	20.1	21.6	22.0	22.7	24.2	25.1	25.8	26.7	26.1
6	15.3	14.3	13.4	11.4	10.6	10.6	14.7	19.5	23.2	24.9	27.4	29.0	30.3	31.4	32.0
7	20.4	19.1	17.9	16.4	15.5	15.1	19.7	23.4	25.0	27.0	28.3	28.4	27.6	27.0	25.7
8	20.0	20.4	19.1	18.4	18.0	17.7	19.5	22.1	23.5	25.4	26.6	28.5	29.5	30.6	30.9
9	22.5	22.3	21.7	21.2	21.2	21.1	21.2	23.8	24.4	25.8	22.5	21.6	23.7	28.0	29.6
10	17.6	18.0	17.9	18.3	18.4	18.5	19.6	22.2	24.1	25.4	26.0	27.5	26.0	23.6	22.7
11	17.3	17.2	17.1	17.2	17.1	17.1	19.6	23.0	24.4	25.4	26.3	26.9	27.6	28.5	28.7
12	18.8	18.3	17.8	17.9	17.1	17.5	21.1	24.4	25.8	27.1	27.9	28.7	29.0	29.7	29.8
13	21.5	20.8	20.4	20.4	19.5	19.7	22.7	24.6	25.7	26.8	28.2	27.9	28.8	29.0	29.1
14	18.2	17.5	17.8	17.9	17.9	18.0	20.4	24.5	28.0	30.0	32.2	33.1	33.0	33.6	27.8
15	17.3	16.6	17.2	15.2	14.5	14.6	18.1	22.0	24.2	26.6	29.8	32.0	33.1	33.0	33.7
16	19.8	19.6	18.7	17.7	16.5	16.3	19.3	24.8	25.8	27.3	28.4	30.5	32.6	33.8	34.6
17	22.2	20.5	20.6	20.5	20.4	20.5	25.4	28.0	30.9	32.5	32.7	32.3	32.4	33.2	33.9
18	24.1	24.4	24.2	23.2	21.9	21.3	24.3	26.8	28.4	30.2	31.1	32.6	33.6	34.2	34.0
19	24.4	24.3	23.6	22.7	21.6	21.5	25.6	28.4	29.9	31.3	32.5	33.3	33.7	34.1	34.2
20	25.5	25.0	24.9	23.9	23.8	23.8	25.1	24.8	30.2	31.6	33.3	34.2	34.1	34.2	35.1
21	21.7	23.2	20.5	20.1	19.5	19.5	19.5	19.4	20.5	20.6	20.8	23.2	23.7	24.4	23.8
22	14.4	13.4	12.3	11.3	10.3	10.6	14.1	17.0	18.9	20.3	21.5	21.7	22.0	22.0	22.1
23	14.6	14.4	14.4	13.9	13.4	13.0	13.1	13.2	13.2	13.4	14.2	15.6	16.9	17.4	17.2
24	11.5	11.8	12.0	12.1	12.3	12.3	13.0	17.8	20.4	22.3	23.1	24.1	24.6	24.7	24.4
25	13.7	12.7	12.2	12.2	11.8	11.2	14.5	18.4	20.7	22.7	24.2	24.9	25.8	25.2	23.8
26	13.9	13.7	13.7	13.7	13.6	13.2	15.1	22.0	24.6	25.9	27.3	28.3	28.6	29.4	29.3
27	22.2	22.2	23.2	21.9	22.0	21.6	23.1	24.0	25.9	27.4	28.6	29.3	30.2	30.8	31.2
28	23.9	22.5	21.7	21.1	20.5	20.4	20.8	23.2	25.0	25.6	27.3	29.0	29.0	29.4	28.7
29	21.4	21.0	20.9	21.1	21.2	21.1	20.2	20.0	21.2	23.7	25.1	25.8	25.6	27.0	27.3
30	17.1	16.8	16.8	16.5	15.7	15.9	20.0	24.9	27.8	29.5	30.6	31.4	31.6	32.3	32.3
31	20.3	19.4	19.2	18.6	17.8	18.1	22.0	26.5	28.5	29.5	30.7	31.2	31.7	31.9	31.8
Prom	19.4	19.0	18.6	18.1	17.6	17.6	19.9	22.8	24.7	26.2	27.3	28.2	28.8	29.3	29.1

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
57.9	58.1	58.3	58.9	59.2	59.1	59.0	58.7	58.2	60.6	8	57.9	16	2.7	758.5 mm.	1011.3 mb.
57.4	57.6	58.0	58.6	58.9	59.3	59.6	59.6	59.6	59.7	21-22	57.4	16	2.3	58.4	1011.2
57.0	56.9	57.1	57.2	57.2	57.3	57.4	57.2	56.9	60.6	8	56.9	17,24	3.7	58.7	1011.6
51.5	51.3	51.3	51.6	52.1	52.3	52.4	52.4	53.4	56.9	0	51.1	17-18	5.8	53.8	1005.0
53.6	53.7	53.8	54.4	54.4	54.6	54.7	54.9	54.7	54.9	23	52.9	3-4	2.0	54.2	1005.6
51.1	50.5	50.4	50.5	51.0	51.9	53.9	54.3	54.4	55.2	8	50.4	18	4.8	53.2	1004.2
58.0	57.7	57.5	57.5	57.8	58.1	58.2	58.8	58.9	58.9	24	54.3	2	4.6	57.2	1009.6
54.0	53.9	53.6	53.5	53.9	54.2	54.2	53.9	54.1	58.9	0	53.5	19	5.4	56.2	1008.2
52.4	52.4	52.4	53.0	53.2	54.4	56.2	56.4	57.2	57.3	23-24	52.4	16,17,18	4.9	54.4	1005.8
56.4	56.4	56.5	57.5	57.6	58.5	58.8	58.9	59.1	59.1	24	54.2	3	4.9	57.0	1009.3
60.0	59.9	60.2	60.7	61.2	61.7	61.8	61.9	61.9	61.9	23	59.1	0	2.8	60.8	1014.4
59.5	59.3	59.4	59.5	59.9	60.1	60.2	60.1	59.5	62.3	6,7,8	59.3	17	3.0	60.9	1014.5
52.4	52.4	52.4	52.8	52.9	52.9	52.4	52.3	52.2	61.2	7	52.2	24	9.0	55.3	1007.0
49.5	49.6	49.1	50.8	51.8	53.2	53.7	54.4	54.8	54.8	24	49.1	18	5.7	51.4	1001.8
55.8	55.7	56.0	56.3	56.8	57.3	58.3	58.9	59.0	59.0	24	54.8	0	4.2	56.6	1008.8
55.6	55.2	54.9	54.9	55.2	55.3	55.4	55.6	55.7	59.6	8	54.9	18,19	4.7	57.4	1009.8
53.8	53.2	52.9	53.0	53.2	53.5	53.7	53.7	53.3	57.1	8	52.9	18	4.2	55.0	1006.6
48.3	48.4	49.2	49.5	49.8	50.3	50.5	49.9	50.2	53.3	0,7	48.3	16	5.0	51.0	1001.3
51.1	50.5	50.2	50.2	50.2	50.1	50.3	50.0	49.5	53.1	10	49.5	24	3.6	51.4	1001.8
48.5	48.2	47.1	48.6	48.7	50.2	50.8	49.7	48.5	51.2	7	47.1	18	4.1	49.8	999.7
49.8	49.7	49.8	50.0	50.5	51.0	52.1	53.3	53.5	53.5	24	48.7	7-8	4.8	50.5	1000.6
52.2	51.6	51.2	51.7	51.8	51.8	51.0	51.2	52.9	55.8	8	51.0	22	4.8	53.4	1004.5
50.9	50.3	50.6	51.3	51.6	52.1	50.9	50.9	50.8	54.5	7-8	49.0	13-14	5.5	51.9	1002.5
52.5	52.4	52.7	53.0	53.7	54.3	54.9	55.2	55.5	55.5	24	50.7	0-1	4.8	53.0	1004.0
57.4	57.3	57.3	57.6	58.0	58.1	57.8	57.6	57.3	59.0	8	55.5	0	3.5	57.6	1010.1
59.5	59.4	59.4	59.3	59.4	59.6	59.8	59.9	59.8	60.2	14	56.3	3	3.9	58.6	1011.4
56.8	56.5	56.5	56.5	56.4	56.5	56.3	56.1	55.9	60.6	8,9	55.9	24	4.7	58.3	1011.0
52.8	52.8	53.1	52.9	52.2	50.6	52.6	53.1	53.5	56.5	4,5	50.6	21	5.9	54.5	1006.0
50.4	49.7	49.6	49.8	49.9	50.2	50.8	51.0	51.7	53.5	0,1	49.6	18	3.9	51.6	1002.1
50.8	50.6	50.8	51.4	51.6	52.0	52.3	52.7	52.7	53.1	7,8	50.6	17	2.5	52.0	1002.6
51.8	51.9	51.7	52.2	52.2	52.5	52.7	52.9	52.9	53.6	8	51.7	18	1.9	52.6	1003.4
53.8	53.6	53.6	54.0	54.3	54.6	54.9	55.0	55.1	57.1		52.8		4.3	55.0	1006.6

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
28.6	27.7	26.1	24.7	23.0	21.6	20.4	19.1	18.7	29.0	13-14	16.9	0	12.1	23.0
31.1	29.4	27.8	25.8	24.0	23.2	22.8	22.4	21.8	31.4	14-15	15.3	5	16.1	24.0
30.4	29.0	27.1	25.0	23.2	22.8	22.6	22.7	22.7	30.5	15	19.4	5-6	11.1	24.8
32.5	31.7	30.2	28.1	25.9	24.3	24.6	24.7	20.8	33.0	15-16	20.8	24	12.2	26.7
25.7	23.6	22.3	21.4	19.8	18.5	17.6	16.8	15.9	26.7	14	15.9	24	10.8	21.4
32.2	32.2	31.3	29.0	25.2	25.4	25.2	22.5	21.6	32.2	16,17	10.3	5-6	21.9	23.0
25.0	24.0	22.7	21.5	20.7	20.6	20.8	20.9	20.7	28.5	11-12	15.1	6	13.4	22.2
31.2	30.8	30.1	28.3	25.1	23.4	23.2	23.7	22.4	31.2	16	17.6	5-6	13.6	24.5
30.5	30.5	28.9	27,2	23.9	22.6	21.1	19.5	18.0	30.7	16-17	18.0	24	12.7	23.9
23.6	23.6	22.2	21.0	19.4	18.6	18.4	17.9	17.7	28.2	12-13	17.6	1	10.6	21.2
28.5	26.4	25.0	23.4	21.9	21.7	21.2	20.0	19.2	28.7	15	17.0	5-6	11.7	22.5
29.7	29.5	28.0	25.4	23.2	22.2	21.8	21.8	21.8	29.8	15	17.0	5-6	12.8	23.9
28.7	27.7	26.6	24.7	23.4	22.9	22.2	20.9	19.6	29.3	13-14	19.5	5	9.8	24.2
25.9	28.0	27.5	25.6	22.2	20.8	19.9	19.4	17.4	34.2	13-14	17.4	24	16.8	24.0
33.3	33.1	32.1	29.0	25.7	23.7	22.2	21.3	20.5	33.7	15	14.4	5-6	19.3	24.5
32.9	32.6	30.5	28.6	26.4	25.6	25.1	24.4	23.2	34.8	14-15	16.2	5-6	18.6	25.6
33.7	32.9	31.0	28.2	25.9	24.7	23.4	22.1	21.5	34.2	15-16	20.1	5-6	14.1	27.1
33.7	33.0	31.7	29.7	27.7	26.8	25.3	24.0	24.3	34.6	14-15	21.3	6	13.3	28.0
33.7	33.0	31.3	30.0	28.2	27.2	26.7	26.6	25.9	34.4	15-16	21.0	5-6	13.4	28.5
34.9	34.2	31.7	29.3	27.6	27.3	25.1	21.5	21.5	35.1	15	21.5	23,24	13.6	28.4
23.2	23.3	23.3	22.0	20.6	20.1	19.3	17.3	15.7	24.4	14	15.7	24	8.7	21.0
22.6	22.3	21.2	19.2	16.8	15.6	15.7	15.8	15.9	22.6	16	10.2	5-6	12.4	17.4
17.5	17.2	16.9	16.5	14.7	13.6	12.9	12.6	12.4	17.5	16	12.4	24	5.1	14.7
23.9	23.3	21.7	19.7	17.6	16.7	15.7	15.2	14.2	24.7	14	11.5	1	13.2	18.1
23.7	22.4	21.3	20.5	18.2	16.4	15.0	14.2	14.2	26.0	12-13	11.2	6	14.8	18.3
28.7	27.4	25.3	23.9	23.0	22.5	22.2	22.2	22.0	29.4	14	13.2	6	16.2	22.1
31.2	31.0	29.4	26.9	25.4	24.7	25.1	24.9	24.7	31.2	15,16	21.6	6	9.6	26.1
28.6	27.8	26.6	24.9	23.9	21.6	21.6	22.0	21.7	29.4	14	20.4	6	9.0	24.4
28.5	28.3	27.6	25.4	22.7	21.3	20.4	19.4	18.6	28.5	16	18.6	24	9.9	23.1
32.2	30.4	28.8	26.2	23.6	22.1	21.2	20.3	20.2	32.4	15-16	15.6	5-6	16.8	24.3
31.4	30.8	29.7	27.0	25.4	24.9	24.6	24.7	24.9	31.9	14	17.7	5-6	14.2	25.9
28.9	28.3	27.0	25.1	23.0	22.0	21.4	20.7	20.0	29.9		16.8		13.1	23.5

HUMEDAD RELATIVA en %

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	73	74	78	76	82	80	68	60	55	54	49	44	40	37	36
2	93	93	94	96	98	98	83	71	59	44	42	38	34	31	24
3	88	89	90	96	96	96	84	69	64	60	53	51	44	37	34
4	82	77	79	79	85	86	77	70	60	53	37	40	42	39	40
5	98	97	96	93	95	95	95	86	76	74	69	63	58	55	56
6	95	95	96	96	96	97	97	75	64	52	46	38	33	30	23
7	52	56	63	75	82	88	53	43	38	27	19	24	29	38	41
8	58	61	62	58	53	57	47	37	28	29	32	29	32	34	35
9	80	78	72	76	64	68	70	56	54	49	83	89	79	52	37
10	89	78	89	89	93	85	80	83	75	68	65	61	60	65	86
11	92	94	95	96	94	93	84	76	61	59	56	56	51	45	43
12	92	93	93	92	92	92	79	66	58	48	43	41	38	35	35
13	82	83	83	83	86	89	80	69	63	53	50	52	47	47	48
14	92	92	93	93	94	94	91	67	60	49	40	33	30	30	56
15	65	63	62	67	71	71	56	48	42	34	21	12	14	18	15
16	66	64	58	58	66	69	63	56	47	43	42	38	33	30	26
17	81	90	71	72	70	70	56	47	37	32	34	34	34	30	24
18	70	70	62	64	70	73	64	59	51	46	46	39	35	33	35
19	95	85	84	80	88	84	67	58	53	46	42	38	31	31	32
20	80	72	72	79	81	81	75	63	56	51	49	38	37	40	36
21	73	76	95	93	91	93	94	96	94	93	91	90	75	77	76
22	62	65	69	72	79	77	67	46	44	35	30	25	27	29	30
23	96	97	97	92	96	95	94	95	93	91	90	85	74	73	68
24	99	100	100	100	100	99	77	63	49	41	34	27	24	27	27
25	74	87	88	78	86	93	69	52	35	29	22	23	25	27	30
26	88	86	81	84	84	88	81	55	36	29	30	31	33	29	26
27	64	61	60	58	60	64	57	53	48	46	41	39	38	38	41
28	53	59	64	69	73	75	75	68	64	64	62	59	62	62	66
29	87	92	91	90	91	93	92	91	86	73	57	54	55	55	46
30	86	87	77	78	83	82	67	49	38	34	29	26	26	24	23
31	69	73	75	77	79	80	72	50	46	44	40	38	38	39	39
Prom.	80	80	80	81	83	84	75	64	56	50	47	44	41	40	40

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	10.5	11.0	11.0	11.5	12.5	12.0	12.0	12.2	11.5	12.5	12.5	12.0	11.0	10.9	11.0
2	14.5	14.5	13.0	13.0	12.5	13.5	15.5	16.6	15.0	12.5	13.0	12.0	10.5	10.6	7.8
3	16.5	16.5	16.5	17.0	16.5	16.5	15.5	16.4	14.0	14.5	14.0	14.5	13.0	12.0	10.5
4	16.5	15.5	15.5	15.0	15.5	16.5	15.5	17.1	15.5	16.0	12.5	13.0	15.0	14.2	13.5
5	17.5	16.5	16.5	16.0	15.5	15.5	16.0	16.4	15.0	14.5	15.0	14.5	14.0	14.5	14.5
6	12.0	11.0	11.0	9.5	9.0	9.0	12.0	12.8	13.0	12.0	13.0	11.0	10.5	10.3	8.0
7	9.0	9.5	9.5	10.0	10.5	11.0	9.0	9.2	8.5	7.4	5.0	6.6	7.6	10.2	10.0
8	10.0	11.0	10.0	9.0	8.0	8.5	8.0	7.6	6.0	6.6	8.0	8.0	10.0	11.2	10.5
9	15.5	15.5	14.0	14.5	11.5	12.5	12.5	12.4	12.0	11.5	16.5	16.5	16.5	14.6	11.5
10	13.0	12.0	13.0	13.5	13.5	13.0	13.0	16.6	16.0	16.0	15.5	17.0	14.5	14.0	17.5
11	13.5	13.5	13.5	14.0	13.5	13.5	14.0	15.9	14.0	13.5	14.5	15.0	14.0	13.0	12.5
12	14.5	14.5	14.0	14.0	13.5	13.5	14.5	15.0	14.0	12.5	11.5	12.5	11.0	10.9	10.0
13	15.5	15.0	14.5	14.5	14.5	14.5	15.5	15.9	15.0	13.5	13.5	14.5	14.0	13.9	14.0
14	14.0	13.5	14.0	14.0	14.0	14.0	16.5	15.5	16.0	15.0	13.5	12.0	10.5	11.6	16.0
15	9.0	8.5	9.0	8.5	8.5	8.5	8.5	9.6	9.5	9.5	7.0	4.4	4.8	7.2	5.0
16	11.5	10.5	9.0	8.5	9.0	9.0	10.5	13.1	11.5	11.5	12.0	12.0	12.0	11.2	11.0
17	16.0	15.5	13.0	13.0	12.0	12.0	13.5	13.5	12.5	11.5	12.0	11.5	11.5	11.7	9.0
18	15.0	15.0	14.0	13.0	13.0	13.5	14.0	15.6	15.0	15.0	16.0	13.5	12.5	13.6	13.0
19	21.0	18.5	17.5	15.5	16.5	15.5	16.5	17.0	16.5	16.0	15.5	14.0	12.5	12.4	13.0
20	18.5	17.0	17.0	17.0	18.0	18.0	17.0	18.3	18.0	18.0	18.0	15.0	15.0	16.0	15.5
21	14.0	16.0	16.5	16.0	15.5	15.5	15.5	16.1	16.5	16.5	16.5	18.5	15.5	17.5	16.5
22	7.6	7.0	7.2	7.2	7.2	7.2	8.0	6.7	6.8	5.8	5.2	4.4	5.4	5.7	5.4
23	12.0	11.5	11.5	10.5	11.0	10.0	10.0	10.8	10.0	10.5	10.5	10.5	10.0	11.0	9.5
24	9.0	10.0	10.0	10.0	10.0	10.0	8.5	9.6	8.5	8.5	6.8	6.2	5.2	6.7	6.2
25	8.5	9.5	9.0	8.0	9.0	9.0	8.0	8.2	5.8	5.6	5.0	5.2	5.6	6.5	6.0
26	10.0	10.0	9.5	9.5	9.5	9.5	10.5	11.1	8.5	6.8	7.4	9.0	9.5	9.2	8.5
27	12.5	12.5	12.0	11.0	11.0	12.0	12.0	11.7	11.5	13.0	12.0	11.0	12.0	12.5	14.0
28	11.5	11.5	12.0	12.5	13.0	12.5	13.0	14.4	14.5	15.0	16.5	17.0	18.5	18.8	19.5
29	16.5	17.0	17.0	16.0	17.0	17.0	16.0	15.7	16.0	15.5	13.5	13.0	12.5	13.8	12.5
30	12.5	12.0	11.0	10.5	11.0	11.0	11.5	11.8	10.5	10.0	9.0	9.5	9.5	8.8	8.0
31	12.0	12.0	12.0	12.0	11.5	12.0	14.0	13.2	13.5	13.0	12.0	12.5	13.0	13.6	13.0
Prom.	13.2	13.0	12.7	12.4	12.4	12.4	12.8	13.4	12.6	12.2	12.0	11.8	11.5	11.9	11.4

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
37	40	41	49	59	72	81	88	91	96	0	36	15	60	61
25	30	42	51	69	78	82	86	88	98	5,6	24	15	74	64
30	38	49	68	82	83	83	82	82	96	4,5,6	30	16	66	69
42	45	50	59	72	83	86	90	97	97	24	38	14-15	59	65
59	67	73	74	81	86	90	92	95	98	1	55	14	43	80
20	16	17	24	58	57	53	54	50	97	6,7	15	17-18	82	58
40	39	45	52	57	63	64	63	61	91	5-6	19	11	72	50
37	39	41	47	61	74	71	74	75	75	24	28	9	47	49
29	27	34	54	70	76	62	74	84	90	11-12	27	17	63	63
79	76	77	76	79	82	82	85	88	93	5	53	12-13	40	79
45	62	67	70	78	82	84	91	93	96	4	40	15-16	56	74
33	31	33	39	69	75	77	81	81	93	0,2,3	31	17	62	63
48	49	51	66	74	79	80	88	92	92	24	45	14-15	47	68
68	49	49	59	77	81	83	86	73	94	5,6	30	13,14	64	68
16	17	17	27	58	71	74	63	66	73	0	12	12	61	44
39	40	45	47	53	62	73	77	77	78	22-23	26	15	52	53
21	23	33	45	68	76	81	87	89	91	2-3	20	15-16	71	54
33	34	40	66	75	82	91	94	96	96	24	33	14,16	63	60
34	36	39	46	60	70	77	81	83	96	0	30	13-14	66	60
31	37	42	58	68	69	67	83	78	84	23-24	30	16-17	54	60
77	78	73	67	74	77	55	58	62	96	8	46	22-23	50	80
28	28	30	45	64	74	66	64	73	79	5	25	12	54	51
73	73	74	87	92	97	95	98	98	98	23,24	68	15	30	88
24	25	27	33	47	56	64	69	81	100	varios	23	13-14	77	58
31	43	50	56	73	83	89	90	84	93	6	22	11	71	59
35	37	38	51	60	74	83	77	60	89	6-7	26	15	63	57
38	40	44	56	63	58	52	53	51	69	0-1	38	13,14,16	31	51
68	70	76	87	85	78	80	73	83	88	20-21	51	0	37	70
41	40	36	42	59	65	68	72	78	94	6-7	36	18	58	69
21	34	35	50	60	67	69	69	67	88	1-2	20	16-17	68	53
40	38	41	54	67	69	72	66	65	81	6-7	38	12,13,17	43	57
40	42	45	55	68	74	75	78	79	90		33		57	62

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
11.0	10.5	10.5	11.0	13.1	13.5	14.5	14.5	14.5	14.5	22,23,24	9.5	15	5.0	11.9
7.6	8.5	11.5	13.0	15.3	16.0	16.0	17.5	16.5	17.5	23	7.6	16	9.9	13.2
9.0	9.5	12.5	16.0	16.6	16.5	16.5	16.5	16.5	17.0	4	9.0	16	8.0	14.7
15.5	14.5	15.0	16.0	17.8	18.5	20.0	20.0	17.5	20.0	22,23	12.5	11	7.5	15.9
14.0	14.5	14.5	13.5	13.9	13.5	13.0	13.0	12.0	17.5	1	12.0	24	5.5	14.8
6.4	6.4	6.2	7.0	14.0	14.0	12.5	10.5	9.0	14.0	20,21	6.2	18	7.8	10.4
8.5	8.0	8.5	10.0	10.4	11.0	11.0	11.5	11.0	11.5	23	6.2	13	5.3	9.2
12.5	12.5	13.5	13.5	14.4	15.5	15.0	15.5	14.5	15.5	21,23	5.4	10	10.1	10.9
9.0	9.0	9.5	14.0	15.3	14.5	11.5	12.0	12.5	16.5	11,12,13	9.0	16,17	7.5	13.1
16.5	16.5	15.0	12.5	13.3	13.0	13.0	12.0	12.5	17.0	12	12.0	2,23	5.0	14.3
12.0	15.5	16.0	14.5	15.2	15.5	15.5	16.0	15.0	16.0	18,23	12.0	16	4.0	14.3
10.0	10.0	9.0	9.0	14.7	14.0	15.0	16.0	16.0	16.0	23,24	9.0	18,19	7.0	12.9
13.5	13.0	13.5	15.5	16.0	16.0	15.0	16.0	15.5	16.0	20,21,23	13.0	17	3.0	14.7
16.5	13.0	13.0	14.0	15.4	15.0	14.0	14.5	10.5	16.5	7,16	10.5	13,24	6.0	14.0
6.8	6.6	6.2	8.0	14.4	15.5	14.0	11.5	12.0	15.5	21	4.4	12	11.1	8.8
14.0	13.5	13.5	13.5	13.6	15.0	17.0	17.5	16.0	17.5	23	8.5	4	9.0	12.3
8.5	8.5	10.5	12.0	17.0	17.5	17.5	17.0	16.5	17.5	21,22	8.5	16,17	9.0	13.0
12.5	12.0	13.0	21.0	20.9	21.5	22.0	20.5	22.0	22.0	22,24	12.0	17	10.0	15.7
12.5	14.0	12.5	15.0	17.3	18.0	20.0	21.0	20.5	21.0	1,23	12.4	14	8.6	16.2
13.5	15.0	14.5	17.5	16.8	18.0	16.0	15.5	14.5	18.5	1	13.5	16	5.0	16.6
16.0	16.5	15.0	13.0	13.4	13.5	8.5	8.5	8.0	18.5	12	8.0	24	10.5	14.8
5.6	5.4	5.2	7.0	9.1	9.5	9.0	8.0	9.5	9.5	20,24	4.4	12	5.1	6.9
10.5	10.5	10.0	12.0	11.5	11.0	10.0	10.5	10.0	12.0	1,19	9.5	15	2.5	10.6
5.0	4.8	5.2	5.6	7.1	8.0	8.0	8.5	9.5	10.0	varios	4.8	17	5.2	7.8
7.0	8.5	9.0	10.0	11.4	11.5	11.0	10.5	9.5	11.5	21	5.0	11	6.5	8.2
9.5	10.0	9.0	11.5	12.6	14.5	16.0	15.5	11.0	16.0	22	6.8	10	9.2	10.3
12.5	12.5	13.0	15.0	15.4	13.0	12.5	12.0	12.0	15.4	20	11.0	4,5,12	4.4	12.4
19.5	18.5	20.0	20.5	18.7	15.0	14.5	14.0	15.5	20.5	19	11.5	1,2	9.0	15.7
12.0	10.5	10.0	10.0	11.5	11.5	12.0	12.0	12.0	17.0	varios	10.0	18,19	7.0	13.4
8.0	10.5	9.5	12.0	12.4	13.0	12.5	12.0	11.5	13.0	21	8.0	15,16	5.0	10.7
12.5	12.5	13.0	13.5	16.2	15.5	16.5	15.5	14.5	16.5	22	11.5	5	5.0	13.3
11.2	11.3	11.5	12.8	14.3	14.4	14.2	14.0	13.5	16.0		9.1		6.9	12.6

VIENTO: DIRECCIÓN Y VELOCIDAD: PREVALENCIAS

HORAS / DÍAS	0 – 1		1 – 2		2 – 3		3 – 4		4 – 5		5 – 6		6 – 7		7 – 8		8 – 9		9 – 10		10 – 11		11 – 12		12 – 13		13 – 14		14 – 15	
	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.
1	NE	6	NE	10	N	12	N	14	NE	10	E	10	NE	15	NE	14	N	16	N	9	N	11	N	9	E	11	NE	16	NE	17
2	SE	4	SE	5	SE	3	Calma	1	Calma	1	SE	2	E	5	NE	7	E	8	S	7	S	7	E	10	E	14	E	15	NE	12
3	E	11	E	9	SE	7	SE	4	SE	3	SE	2	SE	4	E	8	E	17	E	17	NE	14	E	13	E	11	E	11	E	10
4	E	11	NE	11	NE	10	NE	13	NE	12	NE	9	NE	13	NE	13	N	15	N	11	N	13	N	12	N	12	N	13	N	14
5	S	11	SE	9	SE	5	E	2	SE	3	SW	3	SW	1	SW	3	S	9	S	8	S	8	S	9	S	11	S	12	S	10
6	Calma	1	Calma	1	Calma	1	Calma	1	Calma	1	Calma	0	Calma	0	W	6	W	11	W	13	SW	11	W	9	SW	11	W	8	W	13
7	SE	5	SE	5	SE	3	Calma	0	Calma	1	SE	2	SE	3	SE	4	SE	7	SE	7	SE	9	E	8	E	18	E	21	E	25
8	E	16	E	18	NE	13	NE	12	NE	12	NE	12	N	7	N	20	N	32	N	22	N	22	N	24	N	19	N	19	N	14
9	E	7	S	7	N	21	N	26	N	25	N	18	N	10	N	16	N	31	N	26	SE	7	N	7	N	11	N	18	N	17
10	S	14	NE	15	SE	7	E	8	S	1	S	3	S	5	S	7	S	8	S	6	S	5	S	6	S	9	SE	11	SE	10
11	SE	5	S	4	S	4	S	6	SE	5	SE	5	SE	6	E	8	E	13	E	13	E	14	E	13	E	12	E	8	E	12
12	E	3	E	4	E	2	E	5	E	2	E	2	NE	5	NE	10	NE	7	E	8	E	11	E	10	E	8	NE	11	E	8
13	E	9	NE	7	NE	7	NE	10	NE	4	NE	7	NE	11	NE	15	NE	11	E	9	E	12	E	20	E	18	E	15	NE	20
14	Calma	1	NW	2	N	4	NW	4	NW	3	N	3	NW	5	NW	7	W	11	W	11	W	13	W	14	W	9	W	13	W	10
15	S	7	S	8	S	6	S	4	SE	4	SE	3	E	5	SE	2	N	3	N	6	N	3	S	5	S	7	S	6	S	9
16	SE	9	SE	10	SE	8	SE	7	SE	4	SE	4	SE	4	E	10	NE	20	E	16	NE	11	N	8	N	6	N	5	N	4
17	E	7	NE	6	NE	6	NE	6	NE	6	N	7	N	2	NW	5	N	7	N	7	N	12	N	14	N	14	N	13	N	7
18	E	9	E	9	NE	10	NE	14	NE	8	NE	4	NE	12	N	15	N	16	N	18	N	17	N	18	N	16	N	16	N	19
19	NE	9	NE	7	N	4	N	5	Calma	1	N	4	N	7	N	10	N	11	N	10	N	8	NE	11	NE	14	NE	16	NE	14
20	E	6	NE	11	NE	10	NE	11	NE	6	E	5	E	12	NE	15	N	9	N	9	N	10	N	10	NE	7	NE	15	NE	14
21	SE	8	E	11	S	16	SE	12	E	15	S	7	S	2	E	2	NE	13	NE	22	NE	10	SW	4	SW	4	S	9	S	11
22	S	8	S	6	S	3	S	2	S	2	S	2	S	4	S	4	S	6	S	7	S	7	S	10	S	9	S	8	S	6
23	SW	3	SE	4	SW	2	S	5	SE	4	SE	8	SE	9	SE	4	E	6	E	13	NE	12	NE	15	NE	15	E	12	E	7
24	W	3	SW	6	SW	6	W	7	W	8	W	6	W	6	W	8	W	13	SW	16	SW	15	W	17	W	20	SW	18	W	17
25	W	3	W	4	Calma	1	Calma	1	Calma	1	Calma	1	Calma	0	N	3	N	14	NW	9	W	11	W	12	W	13	W	16	W	12
26	Calma	1	Calma	1	NW	2	NW	5	S	2	Calma	1	SE	2	NE	5	N	13	N	11	N	12	N	12	N	11	N	14	N	16
27	NE	12	NE	18	NE	17	NE	15	NE	17	NE	17	NE	19	NE	22	N	22	N	22	NE	23	NE	22	NE	20	NE	18	NE	18
28	NE	26	NE	29	NE	23	NE	24	NE	19	NE	18	NE	21	NE	20	NE	24	N	18	N	15	N	14	N	13	N	12	NE	15
29	Calma	1	Calma	1	S	2	E	6	SW	5	S	6	S	9	S	2	S	7	S	6	S	8	S	10	SW	8	W	9	W	13
30	W	1	W	4	W	6	W	4	W	6	W	6	W	5	W	5	NW	10	W	12	W	12	W	12	W	10	W	9	W	10
31	N	12	N	10	N	8	N	9	N	6	N	7	N	11	N	13	N	17	N	18	N	23	N	24	N	23	N	24	N	22
DIRECCIÓN PREVALENTE	E		NE		NE		NE		NE		SE		NE		NE		N		N		N		N		N		N		N	
NUMERO DE HORAS	9		9		8		8		9		7		7		9		13		13		11		11		9		9		8	
PROM. HOR. DE LA VELOCIDAD		7		8		7		8		6		6		7		9		13		12		12		12		12		13		13

15 – 16		16 – 17		17 – 18		18 – 19		19 – 20		20 – 21		21 – 22		22 – 23		23 – 24		PREVALENCIA DIARIA		PROMEDIO DIARIO DE VELOCIDAD	VELOCIDAD INSTANTÁNEA		
DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIRECCIÓN	NÚMERO DE HORAS		VELOCIDAD	DIRECCIÓN	HORA
NE	17	E	14	E	16	E	12	E	10	E	6	SE	5	SE	2	SE	5	NE	8	11	34	NE	15.18
NE	6	E	7	E	12	E	10	E	8	E	12	E	10	E	9	E	10	E	13	8	31	NE	12.40 13.02
NE	11	E	13	E	16	E	12	E	11	E	12	E	12	E	12	E	9	E	17	10	28	E	11.13
N	12	N	13	N	15	N	9	NE	3	Calma	0	E	5	NE	2	S	11	N	11	10	35	S	23.56
S	16	S	13	S	9	S	8	S	6	S	4	S	3	S	3	S	1	S	17	7	44	S	0.02
W	13	W	15	W	13	NW	10	NW	10	NW	16	S	12	S	8	S	7	W	9	8	43	S	21.24
E	21	E	13	E	18	E	18	E	12	E	12	E	14	E	13	E	13	E	13	11	41	E	14.48
N	13	N	10	N	9	NE	8	NE	8	E	7	E	6	E	7	E	4	N	12	14	49	N	11.24
N	17	N	18	N	18	N	9	N	8	N	7	S	12	S	16	S	18	N	18	15	66	S	21.36
SE	13	SE	12	SE	13	SE	12	SE	13	SE	11	SE	10	SE	9	SE	7	SE	12	8	39	S	0.16
E	14	SE	13	SE	11	E	16	E	15	E	14	E	8	E	4	E	3	E	15	9	29	E	10.56
E	11	E	9	E	13	E	12	E	12	E	12	E	9	E	11	E	8	E	21	8	23	E	18.28
NE	18	E	13	NE	15	E	15	E	11	E	7	E	7	Calma	1	Calma	0	NE E	11	11	33	E	14.40
N	19	N	24	N	25	S	9	S	9	S	6	S	8	S	8	S	10	W	7	10	50	N	15.52
S	7	S	7	SW	8	N	2	N	7	N	6	S	6	S	10	SE	9	S	12	5	28	S	14.04 16.16
E	12	NE	15	NE	16	E	8	E	8	E	8	E	12	E	11	NE	7	E	8	9	30	NE	8.09
N	6	NE	5	NE	3	NE	4	Calma	0	NE	4	Calma	1	E	3	E	4	N	10	6	29	NW	12.38
N	18	N	18	N	17	N	6	E	8	E	7	E	4	Calma	1	NE	9	N	13	12	37	N	13.46
NE	17	NE	15	E	14	E	9	E	11	E	10	E	9	E	9	E	8	N NE	8	10	33	NE	13.56
NE	16	NE	15	NE	20	E	11	E	13	SE	6	S	7	SE	13	E	10	SE	12	9	40	S	21.28
S	13	S	11	S	11	S	8	S	12	SW	4	S	16	S	15	S	8	S	13	10	46	E	7.42
S	5	E	5	SE	2	NE	9	NE	5	NE	4	E	6	NE	6	NE	3	S	16	5	32	S	11.38
E	3	SE	5	SE	4	SE	2	Calma	0	Calma	0	S	2	SE	2	SE	2	SE	10	6	38	E	12.04
W	17	SW	21	W	16	W	11	W	6	W	6	W	5	W	4	W	5	W	18	11	50	W	12.53
W	18	W	16	W	10	W	4	W	3	Calma	0	Calma	0	Calma	1	NW	3	W	12	6	43	W	16.34
NE	14	NE	11	E	12	E	12	E	10	E	11	E	8	E	9	E	11	N E	7	8	33	N	12.43
N	16	NE	17	E	14	E	10	NE	7	NE	7	NE	17	NE	17	NE	21	NE	19	17	47	N	7.54
NE	12	NE	10	E	2	SE	3	NE	16	NE	32	NE	30	NE	10	SW	4	NE	16	17	66	NE	20.59
W	13	W	14	W	10	W	5	W	5	W	5	W	5	W	7	W	2	W	11	7	38	W	16.28
N	8	NW	14	N	19	N	14	N	12	N	10	N	9	N	6	N	8	W	15	9	32	N	16.46
N	24	N	24	N	20	N	11	NE	6	NE	6	NE	5	NE	7	NE	10	N	19	14	40	N	13.56
N NE		NE E		E		E		E		E		E		E		E		PREVALENCIA MENSUAL		VELOCIDAD MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		Dirección	Horas		60 Km.		
9		7		9		12		12		12		12		10		10		E	153	10	DIRECCIÓN	DÍA	HORA
	14		13		13		9		9		8		8		8		7				NE	28	de 1.55 a 2.00

FRECUENCIAS, KILÓMETROS RECORRIDOS Y VELOCIDAD MEDIA POR DIRECCIÓN

DÍAS	NORTE		NORESTE		ESTE		SUDESTE		SUD		SUDOESTE		OESTE		NOROESTE		Calma	TOTALES DIARIOS DE KILÓMETROS
	N° DE HORAS	KILÓM. RECOR.	N° DE HORAS	KILÓM. RECOR.	N° DE HORAS	KILÓM. RECOR.	N° DE HORAS	KILÓM. RECOR.	N° DE HORAS	KILÓM. RECOR.	N° DE HORAS	KILÓM. RECOR.	N° DE HORAS	KILÓM. RECOR.	N° DE HORAS	KILÓM. RECOR.	N° DE HORAS	
1	6	71	8	105	7	79	3	12										267
2			3	25	13	130	4	14	2	14							2	185
3			2	25	17	204	5	20										249
4	11	139	10	91	1	11			1	11							1	252
5					1	2	3	17	17	141	3	7						167
6									3	27	2	22	9	101	3	36	7	191
7					13	212	9	45									2	258
8	12	211	6	65	6	58												334
9	18	303			1	7	1	7	4	53								370
10			1	15	1	8	12	128	10	64								215
11					15	167	6	45	3	14								226
12			3	22	21	171												193
13			11	125	11	136											2	262
14	5	75							6	50			7	81	5	21	1	228
15	6	27			1	5	4	18	12	66	1	8						124
16	4	23	4	69	8	85	7	46										223
17	10	89	8	40	3	14									1	5	2	149
18	13	203	5	48	5	37											1	289
19	8	59	8	103	7	70											1	233
20			1	15	1	8	12	128	10	64								215
21			3	45	3	28	2	20	13	139	3	12						244
22			5	27	2	11	1	2	16	89								129
23			3	42	5	41	10	44	2	7	2	5					2	139
24											6	82	18	175				257
25	2	17											12	122	2	12	8	156
26	7	89	3	30	7	73	1	2	1	2					2	7	3	206
27	3	60	19	324	2	24												408
28	5	72	16	329	1	2	1	3			1	4						410
29					1	6			8	50	2	13	11	88			2	159
30	7	78											15	110	2	24		212
31	19	306	5	34														340
SUMAS	136	1822	124	1579	153	1589	81	551	108	791	20	153	72	677	15	115	34	7248
% PREVAL POR VELOCIDAD	25.1		12.7		21.9		7.6		10.9		2.1		9.3		1.6		0.3	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	13		13		10		7		7		8		9		7		0	234

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	1	4	9	5	4	1	3		4
1 - 2	1	9	5	5	4	1	2	1	3
2 - 3	5	8	1	6	5	2	1	1	2
3 - 4	4	8	4	3	4		2	2	4
4 - 5	2	9	2	6	3	1	2	1	5
5 - 6	5	6	3	7	4	1	2		3
6 - 7	5	7	3	6	4	1	2	1	2
7 - 8	6	9	4	3	3	1	3	2	
8 - 9	13	5	4	1	4		3	1	
9 - 10	13	1	6	1	5	1	3	1	
10 - 11	11	5	3	2	5	2	3		
11 - 12	11	3	6		5	1	5		
12 - 13	9	4	7		4	3	4		
13 - 14	9	5	6	1	4	1	5		
14 - 15	8	7	5	1	4		6		
15 - 16	8	8	5	1	4		5		
16 - 17	6	7	7	3	3	1	3	1	
17 - 18	7	4	9	4	2	1	4		
18 - 19	6	3	12	3	3		3	1	
19 - 20	3	6	12	1	3		3	12	2
20 - 21	3	5	12	2	2	1	2	1	3
21 - 22	1	4	12	2	8		2		2
22 - 23	1	5	10	4	6		2		3
23 - 24	1	5	10	4	6	1	2	1	1
SUMAS	139	137	157	71	99	20	72	15	34
% de frec. por dirección	18.7	18.4	21.1	9.5	13.3	2.7	9.7	2.0	4.6

NUBES. VISIBILIDAD

DÍAS	N U B E S										VISIBILIDAD		
	8h		12h		14h		18h		20h		8h	14h	20h
	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	90 - 99		
1	Ci	1	Ci	3	Ci	2	Ci	1	Ci	1	99	99	97
2	Cs	1	Sc	3	Ci	2	Ci	1	Claro	0	7	8	8
3	Cs	8	Cs	6	Ci	3	Ci	2	Ci	2	8	7	7
4	Ci	1	Cu	1	Cu 4 Cc 1	5	Ac 1 Cu 1	2	Sc 1 Ci 4	5	8	8	8
5	As	8	Cu	4	Sc	8	Sc	7	Sc	1	8	7	7
6	Claro	0	Claro	0	Claro	0	Claro	0	Sc	4	8	8	8
7	Claro	0	Ci	1	Ci	1	Claro	0	Claro	0	8	8	9
8	Ac	1	Claro	0	Claro	0	Claro	0	Sc	1	8	8	7
9	Cb 1 Ac 2 Ci 1	4	Ns	8	Ci	2	Ci	3	Cb	2	7	8	6
10	Ac 1 Ci 7	8	Ac 6 Ci 2	8	Sc 7 Cb 1	8	Sc	6	Claro	0	6	6	7
11	Sc 2 Ci 6	8	Cu 4 [illegible] 1	5	Cu 1 Ci 2	3	Ci	6	Ci	3	7	6	7
12	Claro	0	Cu	1	Cu	1	Claro	0	Claro	0	9	9	8
13	Cu 1 Ci 1	2	Claro	0	Cu 2 Ci 1	3	Ci	3	Ci	1	9	7	8
14	Claro	0	Cu	1	Cb	7	Sc	2	Frs 7 As 1	8	9	7	9
15	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	6	8	7
16	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	7	7
17	Ci	3	Cs	8	As	8	Claro	0	Cs	8	8	8	6
18	Claro	0	Claro	0	Cu	1	Claro	0	Claro	0	9	8	7
19	Cs	8	Ci	5	Cu 1 Ci 2	3	Claro	0	Claro	0	8	8	7
20	Claro	0	Cu	6	Cu	3	Cu	1	Cb	8	8	8	7
21	Frs.	8	Frs.	8	Frs.	8	Ac	5	Claro	0	7	8	8
22	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	8	8
23	Ns	8	Ns	8	St	8	Cc	5	Claro	0	4	8	6
24	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	8	8
25	Cu	2	Cs	4	Ac	7	Ac	6	Ac 2 Ci 3	5	7	6	6
26	Ac	1	Ac 1 Ci 1	2	Cu	1	Claro	0	Claro	0	6	8	6
27	Ac	4	Claro	0	Claro	0	Cc	1	Claro	0	8	8	7
28	Ci Cs	8	Sc	7	Cu 1 As 7	8	As	8	Ns	8	7	7	6
29	Sc	5	Ci	7	Cu 1 Cs 4	5	Claro	0	Claro	0	8	8	8
30	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	8	6
31	Ci	6	Claro	0	Ac 2 Cc 4	6	Claro	0	As	8	7	7	6
Prom.		3		3		3		2		2			

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
1	9	48.8	30.0	1.53	2	5	5	
	10	49.5	30.0	1.58	3	4	5	
	12	54.5	32.4	1.80	2	3	5	
	14	51.4	34.2	1.40	2	3	5	
	15	50.4	31.5	1.54	2	5	5	
2	9	47.8	29.9	1.46	1	5	5	
	10	52.6	33.2	1.58	1	5	5	
	12	53.3	35.3	1.46	1	5	5	
	14	54.2	36.1	1.47	2	5	5	
	15	53.5	36.9	1.35	4	4	5	
3	9	50.5	31.3	1.56	8	4	5	Js.,Ds.
	10	51.4	32.0	1.58	4	4	5	Js.
	12	53.8	34.2	1.59	7	4	5	Js.,B.
	14	53.4	35.3	1.47	3	5	5	B.
	15	52.1	34.9	1.40	3	5	5	
4	9	51.6	33.0	1.51	1	5	5	
	10	54.4	35.0	1.58	1	5	5	
	12	54.9	37.0	1.46	2	5	5	
	14	54.5	36.8	1.44	5	3	5	
	15	56.6	36.0	1.67	3	3	5	
5	9				8	0	4	Am.
	10	47.4	29.3	1.47	6	3	5	
	12	49.6	30.5	1.55	3	3	5	
	14	44.2	30.6	1.10	8	0	4	
	15	42.3	29.6	1.03	7	0	5	
6	9	48.6	29.0	1.59	0	5	5	
	10	51.0	31.0	1.63	0	5	5	
	12	54.9	37.0	1.46	2	5	5	
	14	55.5	36.7	1.53	0	5	5	
	15	55.0	37.0	1.46	0	5	5	
7	9	49.0	30.7	1.49	0	5	4	B.
	10	50.9	32.7	1.48	0	5	4	B.
	12	52.5	34.0	1.50	1	5	5	
	14	50.8	32.2	1.51	1	5	5	
	15	49.0	31.1	1.46	0	5	4	
8	9	48.8	29.5	1.57	0	5	5	
	10	50.5	31.5	1.54	0	5	5	
	12	53.3	34.5	1.53	0	5	5	
	14	54.4	35.9	1.50	0	5	5	
	15	53.8	36.0	1.45	0	5	5	
9	9	43.6	29.2	1.17	5	5	5	
	10				8	0	4	Am.
	12				8	0	4	Am.
	14	51.5	34.0	1.42	2	5	5	
	15	52.0	35.0	1.38	2	5	5	
10	9	47.9	30.0	1.46	8	4	4	B.
	10	44.5	29.9	1.19	7	0	4	
	12	46.8	32.5	1.16	7	0	4	
	14				8	0	4	Am.
	15				8	0	4	Am.
11	9	36.5	26.6	0.80	7	2	4	
	10	47.6	31.0	1.35	8	4	5	
	12	53.3	33.0	1.65	6	4	5	
	14	51.0	33.5	1.42	3	5	5	
	15	51.3	33.4	1.46	3	5	5	
12	9	51.2	32.2	1.54	1	5	5	
	10	52.1	33.1	1.54	1	5	5	
	12	53.2	34.7	1.50	1	5	5	
	14	53.7	35.3	1.50	1	5	5	
	15	53.0	35.2	1.45	0	5	5	
13	9	51.4	32.2	1.56	3	5	5	
	10	52.8	33.9	1.54	4	5	5	
	12	-	-	-	-	-	-	s/R.
	14	53.2	34.5	1.52	3	5	5	
	15	54.0	34.5	1.58	6	4	5	
14	9	52.9	34.3	1.51	0	5	5	
	10	55.3	36.1	1.56	0	5	5	
	12	57.8	39.1	1.52	1	5	5	
	14	43.2	35.4	0.63	7	0	5	
	15				4	5	5	Am.
15	9	48.7	29.6	1.55	0	5	3	B.
	10	51.5	32.2	1.57	0	5	5	
	12	55.9	46.7	0.75	0	5	5	
	14	57.0	38.3	1.52	0	5	5	
	15	56.6	38.3	1.49	0	5	5	
16	9	49.2	31.1	1.47	0	5	4	
	10	52.0	33.2	1.53	0	5	4	
	12	55.2	36.3	1.54	0	5	5	
	14	51.9	39.2	1.03	0	5	5	
	15	53.0	37.6	1.25	0	5	5	
17	9	55.4	37.0	1.50	8	5	5	
	10	55.6	38.0	1.43	8	5	5	
	12	51.0	36.7	1.16	8	0	5	
	14	51.1	36.9	1.15	8	0	5	
	15	50.8	35.5	1.24	8	0	5	
18	9	52.4	34.7	1.44	0	5	5	
	10	54.3	36.4	1.46	0	5	5	
	12	57.4	39.2	1.48	0	5	5	
	14	57.0	40.0	1.38	1	5	5	
	15	55.4	38.8	1.35	0	5	5	
19	9	51.9	35.5	1.33	3	5	5	
	10	56.4	38.4	1.46	2	5	5	
	12	58.0	39.9	1.47	6	5	5	
	14	57.3	39.6	1.44	3	5	5	
	15	51.5	39.9	0.94	2	5	5	
20	9	54.3	36.5	1.45	0	5	5	
	10	55.6	38.3	1.41	0	5	5	
	12	44.4	36.0	0.68	4	5	5	
	14	42.6	35.6	0.57	3	4	5	
	15	56.5	40.6	1.29	1	5	5	
21	9				7	0	4	Am.
	10				7	0	4	Am.
	12	37.8	27.2	0.86	8	3	5	
	14	42.4	28.9	1.10	8	4	5	
	15				8	0	5	Am.
22	9	43.5	24.0	1.58	0	5	5	
	10	46.1	26.0	1.63	0	5	5	
	12	48.9	28.9	1.63	0	5	5	
	14	48.4	29.1	1.57	0	5	5	
	15	46.2	28.5	1.44	0	5	5	
23	9				8	0	-	LL.
	10				8	0	-	Z.
	12				8	0	-	Am.
	14				8	0	-	Am.
	15				8	0	-	Am.
24	9	45.9	26.6	1.57	0	5	4	
	10	47.9	28.4	1.58	0	5	4	
	12	50.6	30.6	1.63	0	5	5	
	14	50.0	30.5	1.58	0	5	5	
	15	47.5	29.0	1.50	0	5	5	
25	9	45.3	27.5	1.45	1	5	4	
	10	49.6	30.6	1.54	1	5	4	
	12	45.6	30.7	1.21	5	4	4	
	14	35.5	27.5	0.65	7	1	4	
	15	32.6	26.0	0.54	7	1	4	
26	9	47.4	29.7	1.44	2	5	4	
	10	48.7	31.5	1.40	3	5	4	B.
	12	52.8	34.3	1.50	0	5	5	
	14	53.2	35.2	1.46	1	5	5	
	15	52.3	35.1	1.40	1	5	5	
27	9	48.4	30.9	1.42	0	5	5	
	10	51.2	32.6	1.51	0	5	5	
	12	53.4	34.9	1.50	0	5	5	
	14	53.5	35.6	1.46	0	5	5	
	15	53.5	36.1	1.41	0	5	5	
28	9	29.5	26.2	0.27	8	0	5	
	10				8	0	4	Am.
	12	53.2	34.3	1.54	8	4	4	
	14	44.5	32.5	0.98	8	1	4	
	15	33.5	29.0	0.36	8	0	4	
29	9	36.9	25.1	0.96	7	4	5	
	10	49.5	30.4	1.55	7	5	5	
	12	50.1	32.2	1.46	6	4	4	
	14	52.5	34.0	1.50	5	5	5	
	15	53.0	35.0	1.46	5	5	5	
30	9	51.0	32.9	1.47	0	5	5	
	10	56.7	35.0	1.76	0	5	5	
	12	56.0	36.9	1.55	0	5	5	
	14	55.7	37.7	1.46	0	5	5	
	15	53.2	36.9	1.33	0	5	5	
31	9	49.3	32.7	1.35	3	5	5	
	10	54.3	34.9	1.58	1	5	5	
	12	55.0	36.8	1.48	0	5	5	
	14	54.6	37.1	1.42	0	5	5	
	15	52.6	31.4	1.72	0	5	5	

HELIOFANÍA

DÍAS / HORAS	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H.EFECTIVA	H.TEÓR.ASTRON	H.RELATIVA
1	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	13.1	14.3	92
2	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.7		12.2	14.3	85
3	0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.6	14.2	89
4	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.5		12.0	14.2	84
5				0.1	0.5	1.0	1.0	1.0	0.4	0.6	0.9	1.0	0.2		6.7	14.2	47
6	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	12.9	14.2	91
7	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	13.0	14.2	92
8	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5		11.7	14.2	82
9			0.9	0.7	0.7			0.5	1.0	1.0	1.0	1.0	0.6		7.4	14.2	52
10		0.7	0.8	1.0	1.0	0.8	0.9	1.0	0.5	0.6	1.0	0.8			9.1	14.2	64
11	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.4	12.6	14.1	89
12	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.8	14.1	91
13	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	12.7	14.1	90
14	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.4	0.9	1.0	0.7		11.0	14.1	78
15	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	12.8	14.1	91
16	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		12.3	14.0	88
17		1.0	0.9	1.0	1.0	0.9				0.3	0.3				5.4	14.0	39
18	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5		11.7	14.0	84
19	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	13.0	14.0	93
20		0.4	1.0	1.0	1.0	1.0	1.0	0.7	1.0	0.7	1.0	1.0	1.0		10.8	14.0	77
21								0.1	0.4	0.3	0.1	0.9	1.0	0.6	3.4	13.9	24
22	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	13.0	13.9	94
23								0.3	0.1		0.2	0.3	0.5	0.2	1.6	13.9	12
24	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9		12.3	13.9	88
25		0.7	0.9	1.0	1.0	1.0	1.0	0.8	0.8				0.2	0.5	7.9	13.8	57
26		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	12.1	13.8	88
27	0.3	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.2	12.2	13.8	88
28			0.6	0.6	0.1	0.6	0.9		0.1						2.9	13.8	21
29				0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	9.9	13.7	72
30	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	12.7	13.7	93
31	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	12.5	13.7	91
Medias	0.2	0.8	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.7	0.3	10.5	14.0	75

GEOTEMPERATURA

DÍAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h
1	22.4	26.6	24.1	21.8	24.4	22.2	21.3	21.8	22.0	21.9	21.8	22.2	24.4	24.4	24.4
2	23.2	27.2	25.4	22.2	25.0	24.5	21.6	22.2	23.0	22.0	22.2	22.8	24.6	24.6	24.6
3	23.8	27.8	25.8	23.2	25.7	25.3	22.4	23.0	23.7	22.8	22.8	23.3	25.0	25.1	25.2
4	24.5	30.6	27.9	23.7	27.7	26.8	22.9	23.7	24.5	23.3	23.4	23.9	25.5	25.5	25.2
5	24.4	29.0	25.8	24.2	27.2	25.8	23.4	23.8	24.2	23.8	23.6	23.8	25.9	25.8	25.8
6	22.3	29.7	26.5	22.3	27.0	25.9	22.4	23.1	24.0	23.2	23.0	23.6	25.7	25.6	25.6
7	23.2	29.2	25.0	23.0	26.9	25.1	22.7	23.3	23.8	25.4	23.2	23.6	25.7	25.7	25.7
8	22.5	29.4	26.7	22.4	26.1	25.8	22.3	22.7	23.7	23.1	22.9	23.4	25.7	25.6	25.5
9	24.0	25.0	25.5	23.4	26.1	24.9	22.8	24.6	23.4	23.4	22.8	23.2	25.7	23.1	25.6
10	23.2	28.2	25.2	22.7	26.4	25.2	22.2	23.0	23.0	22.9	22.8	23.2	25.6	25.2	25.4
11	28.2	29.2	25.8	22.7	26.7	25.6	22.3	23.1	23.8	27.0	23.0	23.4	25.6	25.5	25.5
12	23.8	30.4	26.6	23.1	27.6	26.1	22.6	23.5	23.3	23.2	23.2	23.8	25.7	25.7	25.7
13	24.4	30.7	27.2	23.8	27.9	26.6	23.1	24.0	24.7	23.6	23.6	24.1	25.9	26.0	26.0
14	24.2	31.4	27.2	23.7	27.9	26.4	23.2	24.1	24.6	23.8	23.8	24.2	26.2	26.2	26.2
15	23.1	30.8	27.4	23.0	27.6	26.6	23.0	23.7	24.6	23.7	25.6	24.2	26.2	26.3	26.2
16	23.7	31.6	28.1	23.6	28.0	27.1	23.9	24.2	25.0	24.1	24.0	24.5	26.4	26.5	26.4
17	25.4	30.6	28.5	24.5	27.5	27.3	24.0	24.5	25.1	24.4	24.4	24.6	26.7	26.5	26.6
18	24.3	32.6	29.0	24.8	28.9	27.8	24.2	24.9	25.7	24.5	24.6	25.0	26.8	26.9	26.9
19	26.5	33.2	29.6	25.7	29.5	28.5	24.8	25.5	26.4	25.0	25.1	25.6	27.2	27.2	27.2
20	27.0	33.1	28.8	26.2	29.5	28.0	25.4	26.0	26.4	25.6	25.6	26.1	27.6	27.6	27.8
21	24.4	26.2	25.2	24.7	25.1	25.2	24.2	23.9	24.1	25.0	24.7	24.4	27.6	27.3	27.0
22	21.2	27.5	23.9	21.9	25.5	25.9	22.4	22.6	24.4	23.6	23.2	25.4	26.6	26.3	26.1
23	20.6	21.4	21.6	21.4	21.4	21.6	21.6	20.8	21.0	22.8	22.2	21.8	25.9	25.6	25.1
24	14.6	26.2	22.9	19.9	23.9	22.9	20.1	20.8	21.6	21.4	21.3	21.7	24.7	24.6	24.5
25	20.1	26.2	23.2	20.3	23.7	22.9	20.4	20.8	21.4	21.5	20.3	21.6	24.5	24.4	24.3
26	21.0	27.4	24.4	20.8	24.7	24.0	20.6	21.3	22.2	21.5	21.5	22.0	24.5	24.4	24.4
27	22.6	28.2	25.8	22.3	25.5	25.0	21.8	22.2	23.0	22.2	22.2	22.7	24.7	24.8	24.7
28	23.2	28.0	24.7	23.0	25.4	25.0	22.3	22.6	23.0	22.7	22.6	22.8	25.2	25.1	25.1
29	23.8	28.6	25.8	23.5	26.2	25.6	22.4	23.0	23.6	22.8	22.8	23.2	25.3	25.4	25.3
30	23.0	29.5	26.4	22.8	26.7	25.8	22.6	23.1	24.0	23.2	23.0	23.6	25.6	25.6	25.6
31	23.8	31.2	27.0	23.4	27.3	26.3	22.9	23.6	24.2	23.4	23.4	23.8	25.9	25.8	25.8
Prom.	23.3	28.9	26.0	23.0	26.4	25.5	22.6	23.2	23.8	23.4	23.2	23.6	25.8	25.6	25.7

LLUVIA, ESTADO DEL SUELO, ETC...

DÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en %						Freatímetro
	50 cm.	1.50 m.	7 m.	18 m.		8h	14h	20h	Total	Punto	7 cm.	15 cm.	30 cm.	60 cm.	1 m.	
1					0	1.5	2.8	3.0	6.3							9815
2					0	0.5	2.8	3.2	6.9	Ñ. 4	9.2	8.0	14.9			9821
3					0	0.9	2.6	2.7	6.6							9825
4					0	1.3	3.5	2.9	7.0							9830
5	7.8	8.0	7.9	8.0	0	0.6	1.2	1.7	3.1							9835
6					0	0.2	2.4	4.1	8.9							9838
7					0	2.4	3.9	2.8	10.1	Ñ. 5	14.5	15.1	12.0			9842
8					0	3.4	4.7	3.2	10.1							9848
9					1	2.2	2.1	3.2	6.2							9853
10	7.6	8.3	5.9	7.1	1	0.9	1.2	1.1	3.1							9856
11	0.0	0.0	0.0	0.0	0	0.8	1.8	1.9	4.4							9860
12					0	0.7	2.8	2.9	7.0	Ñ. 6	7.7	7.4	14.2	17.2	14.8	9866
13					0	1.3	2.8	2.6	6.9							9868
14					0	1.5	2.4	2.6	6.3							9875
15	0.1	0.5	0.0	0.0	0	1.3	3.2	3.5	8.7							9875
16					0	2.0	3.6	3.8	9.2							9878
17					0	1.8	2.2	3.1	7.5	Ñ. 7	6.1	6.2	14.4			9877
18					0	2.2	3.8	3.7	8.6							9885
19					0	1.1	3.5	1.1	6.6							9895
20					0	2.0	2.8	4.4	8.0							9895
21	36.8	36.4	-	36.8	1	0.8	0.5	1.3	3.3							9895
22					1	1.5	2.2	0.2	3.2	Ñ. 8	17.3	12.5	14.3			9905
23	14.5	14.5	13.5	14.7	2	0.8	0.6	0.7	1.6							9915
24	9.9	9.0	8.9	7.8	0	0.3	3.2	3.1	7.1							9915
25					0	0.8	3.6	2.1	6.6							9918
26					0	0.9	3.6	3.4	9.9							9925
27					0	2.9	4.1	3.2	11.6	Ñ. 9	15.6	14.8	16.7			9925
28					1	4.3	2.0	1.2	3.9							9934
29	6.3	6.2	5.5	4.0	0	0.7	1.5	2.4	4.9							9935
30					0	1.0	1.0	3.4	6.1							9935
31					0	1.7	4.3	3.5	9.8							9942
Prom.	83.0	82.9	-	78.4	-	1.5	2.7	2.6	6.8	-	-	-	-	-	-	9880

0.50 m.			1 m.			2 m.	3 m.	Temper. Mínima de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos
8h	14h	20h	8h	14h	20h	8h	8h		
23.6	23.6	23.4	22.3	22.4	22.4	19.5	18.0	14.2	Ca. m. t. y n., r. m. y n.
23.6	24.0	24.0	22.4	22.3	22.3	19.6	18.0	12.9	Ca. m. y n., Cn. t., B. t.
24.2	24.3	24.3	22.4	22.4	22.4	19.7	18.1	16.1	Cn. m., Ca. t. y n., r. m., B. t.
24.5	24.5	24.6	22.5	22.6	22.6	19.7	18.1	18.7	Ca. m., Cn. t. y n.
24.8	24.9	24.7	22.6	22.8	22.7	19.7	18.3	19.0	Cn. m. y t., Ca. n., B. t., r. n.
24.8	24.9	24.5	22.7	22.8	22.7	19.8	18.2	7.0	Ca. m. y t., Cn. n., dv.N. m., R. n.
24.8	24.8	24.8	22.8	23.2	23.0	20.0	18.2	11.5	Ca. m. t. y n.
24.8	24.9	24.7	22.8	22.9	22.9	20.0	18.3	13.5	Ca. m. t. y n.
24.8	25.7	24.7	23.1	23.1	23.3	20.0	18.3	17.4	Cn. m. y t., Ca. n., Tv. m.,LL.Ru. m.,r.R. n.
24.7	24.7	24.7	23.2	23.2	23.2	20.0	18.4	17.5	Cn. m. y t., Ca. n., B. m., LL.Ru. t.
24.6	24.7	24.5	25.6	23.2	23.2	20.2	18.4	14.5	Cn. m., Ca. t. y n., B. t.
24.7	24.9	24.7	23.1	23.1	23.1	20.2	18.5	14.5	Ca. m. t. y n., N.dv. m., B. n.
25.0	25.2	25.0	23.2	23.2	23.2	20.4	18.5	16.0	Ca. m. t. y n.
25.3	25.4	25.3	23.2	23.3	23.3	20.3	18.5	13.8	Ca. m., Cn. t. y n., CH.Ru.B. t.
25.3	25.3	25.2	23.5	23.3	23.3	20.5	18.4	1..0	Ca. m. t. y n., B. t.
25.4	25.5	25.4	23.5	23.7	23.5	20.8	18.5	11.2	Ca. m. t. y n., B. n.
25.4	25.7	25.6	23.5	23.5	23.5	20.5	18.5	14.5	Ca. m., Cn. t. y n.
25.8	25.9	25.8	23.5	23.7	23.6	21.0	18.6	15.0	Ca. m. y n., Cn. t.
26.0	26.3	26.1	23.6	23.7	23.7	21.6	18.6	-	Cn. m., Ca. t. y n., B. t.
26.5	26.6	26.6	23.8	23.9	24.0	20.7	18.7	-	Ca. m. y t., Cn. n.
26.2	26.2	25.8	23.9	23.7	23.8	20.8	18.7	19.0	Cn. m. y t., Ca. n.
25.5	25.5	25.2	23.9	23.8	23.7	20.7	-	-	Ca. m. t. y n.
25.0	24.7	24.5	23.7	23.8	23.7	20.8	-	11.0	Cn. m. y t., Ca. n., LL. m.
23.8	23.8	23.5	23.5	23.0	23.5	20.1	-	7.9	Ca. m. t. y n.
23.5	23.6	23.4	23.3	23.3	23.3	20.9	-	7.4	Ca. m., Cn. t. y n., CH. t.
23.5	23.6	23.5	23.2	23.3	23.2	21.0	-	10.4	Ca. m. t. y n., B. m. y t.
23.7	24.0	23.9	23.2	23.3	23.2	20.1	-	16.0	Cn. m., Ca. t. y n., B.r. n.
24.2	24.3	24.1	23.2	23.3	23.3	20.1	-	18.0	Cn. m. t. y n.,r. m.,B.Am.Ru.LL.Ne.t,LL. n.
24.2	24.3	24.2	23.4	23.4	23.4	21.1	-	19.5	Cn. m. y t., Ca. n., LL. m., r. n.
24.3	24.6	24.5	23.4	23.4	23.5	21.2	-	-	Ca. m. t. y n., r. m., B. n.
24.7	24.9	24.7	23.4	23.6	23.5	21.1	-	14.9	Cn. m. t. y n., r. m., R. n.
24.8	24.9	24.7	23.3	23.2	23.2	20.4	-	14.2	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESIÓN ATMOSFÉRICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANÍA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mm. mb.	mm. mb.			mm. mb.			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	56.2	60.6	1,3	8	50.4	6	18	23.5	30.1	16.7	33.0	4	15-16	10.3	6	5-6	11.1	14.2	78
2ª	55.0	62.3	12	6,7,8	47.1	20	18	25.7	32.9	18.5	35.1	20	15	14.4	15	5-6	11.5	14.0	82
3ª	54.0	60.5	27	8,9	48.7	21	7-8	21.4	27.1	15.3	32.4	30	15-16	10.2	22	5-6	9.1	13.8	66
MES	55.0	60.6	1, 3,27	8,9	47.1	20	18	23.5	29.9	16.8	35.1	20	15	10.2	22	5-6	10.5	14.0	75

DÉCADA	HUMEDAD DEL AIRE								VIENTO									LLUVIA				
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas			Instantáneas				Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Velocidad Máxima	Dirección	Día	Hora					
	%	%		%		mm. mb.	mm. mb.	mm. mb.		Km/h	Km/h		Km/h			Km/h				mm.	mm.		mm.		
1ª	64	98	2,5	15	6	12.8	20.0	5.4	E	12	48	7, 8,9	32	8	8-9	66	S	9	21.36	16.3	8.3	10	7.9	5	1-2
2ª	60	96	11,18,19	12	15	13.8	22.0	4.4	E	10	36	14	25	14	17-18	50	N	14	15.52	0.5	0.5	15	-	-	-
3ª	63	100	24	20	30	11.3	20.5	4.4	W	9	60	28	32	28	20-21	66	NE	28	20.59	66.1	36.4	21	17.0	21	3-4
MES	62	100	24	12	15	12.6	22.0	4.4	E	10	60	28	32	8 28	8-9 20-21	66	S NE	9 28	21.36 20.59	82.9	36.4	21	17.0	21	3-4

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACIÓN							VIENTO - TORM. ELÉCT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1ª	2	4	-	1	-	-	-	2	-	-	-	-	-	-	-	2	2
2ª	4	6	-	-	1	-	-	-	2	-	1	-	-	-	-	1	-
3ª	1	4	1	-	-	-	-	4	-	-	1	-	-	-	-	1	1
MES	7	14	1	1	1	-	-	6	2	-	2	-	-	-	-	4	3

DÉCADA	FENÓMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Congelada blanda	Congelada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
1ª	4	-	-	-	-	1	-	1	-	-	-	9	1	-	10	-
2ª	-	-	-	-	-	-	-	-	-	-	-	9	1	-	10	1
3ª	5	-	-	-	-	-	-	-	-	-	-	10	1	-	7	-
MES	9	-	-	-	-	1	-	1	-	-	-	28	3	-	27	1

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VI FEBRERO 1951 Nº 2

RESUMEN MENSUAL

El 1º llueve en la zona del Observatorio; aire polar que avanza hacia el NE, empuja rápidamente en la misma dirección una aeromasa tropical; el 2 en ambiente brumoso la humedad relativa alcanza su valor mínimo mensual. La llegada de un frente frío desencadena intensas lluvias los días 3 y 4. La tensión del vapor alcanza los 19.0 mm, valor máximo mensual, seguida de precipitación y un fuerte viento de hasta 53 km/h. Los días subsiguientes el cielo se despeja, la presión aumenta y la temperatura y tensión del vapor descienden lentamente. Fórmase el 8 un anticiclón sobre la zona, el que se mantiene hasta el fin de la década; la columna barométrica registra el mismo día la máxima mensual con 763.5 mm; la temperatura continúa en paulatino ascenso.

Comienza la segunda década con el avance de una masa de aire tropical, que el 12 cubre la zona del Observatorio, pero que otra de origen polar obliga a desplazarse hacia el NE, causando inestabilidad atmosférica y alta tensión del vapor al terminar el mismo día. Todo ello contribuye a la formación de apreciable nubosidad la que impide la acción calórica del sol entre los días 13 y 15 del mes; la precipitación pluvial alcanza el día 15 los 58.0 mm. Mejora el tiempo notablemente, presentándose despejado y con una temperatura diaria superior a la máxima media mensual, marcando el 19 nuevamente la máxima absoluta de 31.7°C.

El viento S y W prevalentes en los primeros días de la tercera década gira primero al E y luego rápidamente al NE, originando lluvias; la presión registra entonces su valor mínimo con 745.2 mm. La afluencia luego de una masa de aire frío que hace que la tensión del vapor el 24 y la temperatura el 25 acusen sus valores mínimos mensuales con 4.6 mm y 5.9° C respectivamente, mantiene el cielo despejado hasta el día 28 en que una masa de aire polar provoca lluvias poco intensas.

La inestabilidad del mes se pone de manifiesto en las fuertes depresiones que acusan los promedios mensuales de la temperatura (-3.0°C) y de la tensión del vapor (-2.0 mm) respecto a los valores medios de la Estación.

POTENCIAL ATMOSFÉRICO en V/M.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	14	62	48	76	-28	110	-138	-48	-48	7	17	10	29	36	44
2	39	29	44	58	70	82	152	152	142	109	113	122	130	122	101
3	131	131	124	110	104	90	83	117	124	186	186	55	76	83	90
4	-83	-14	55	172	5	$+\infty$	-53	$\pm\infty$	19	-10	19	24	76	93	99
5	41	83	48	34	28	48	55	76	97	104	117	110	131	117	110
6	41	28	34	28	28	28	34	131	166	179	179	159	131	117	110
7	62	69	34	104	138	138	145	117	110	104	104	97	97	83	76
8	76	83	76	76	76	76	117	145	179	193	193	166	138	117	28
9	83	53	36	34	10	27	62	171	87	125	149	97	97	120	135
10	48	48	48	48	48	34	55	55	62	76	69	55	62	76	83
11	62	34	48	41	34	48	76	62	62	76	62	41	55	48	76
12	69	41	41	21	21	34	34	21	28	55	76	69	76	69	69
13	14	-97	-41	21	-	90	83	55	62	48	83	76	76	14	-14
14	21	28	34	62	41	34	34	34	28	-	-	-	-	-	-
15	21	34	21	26	-	-	69	48	124	138	97	90	-	-124	104
16	34	34	14	41	55	62	69	97	97	117	131	124	124	124	104
17	62	76	62	62	83	62	90	83	90	97	104	97	69	69	55
18	62	55	55	76	62	69	76	41	104	124	104	90	69	62	69
19	83	87	68	60	62	53	83	130	115	115	97	78	58	56	53
20	69	69	62	131	90	83	69	83	97	55	90	7	34	28	7
21	41	41	48	41	48	69	179	213	124	138	110	166	117	83	104
22	83	76	76	83	69	97	179	220	272	252	166	145	110	83	55
23	62	62	55	41	41	62	69	41	55	28	7	- 7	-28	-55	-104
24	-97	83	233	193	172	138	333	-	-	-	-	-	-	-	62
25	55	55	48	55	83	41	83	110	124	124	117	97	97	110	90
26	97	48	55	69	104	69	97	90	90	104	104	145	117	90	28
27	83	48	55	69	83	97	117	117	97	69	97	76	69	28	21
28	21	28	28	28	48	83	-124	-28	69	138	14	76	138	117	110
29															
30															
31															
Prom.	58.1	56.7	49.3	56.1	59.6	62.3	97.0	120.2	122.1	128.9	121.0	109.6	99.0	92.5	83.3

IONIZACIÓN DEL AIRE

DÍAS	COEFICIENTE DE DISPERSION "a" x 100								CONDUCTIBILIDAD "λ" $.10^{-4}$							
	mañana				tarde				mañana				tarde			
	a^-	a^+	a^-+a^+	a^-/a^+	a^-	a^+	a^-+a^+	a^-/a^+	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-
1									-	-	-	-	1.55	1.60	3.15	0.97
2									0.57	0.47	1.04	1.21	1.23	0.67	1.90	1.84
3									1.49	1.62	3.11	0.92	-	-	-	-
4									-	-	-	-	0.57	1.09	1.66	0.52
5									0.41	0.75	1.16	0.54	0.51	0.53	1.04	0.96
6									0.52	0.53	1.05	0.98	0.96	1.31	2.27	0.73
7									0.86	0.86	1.72	1.00	0.71	0.82	1.53	0.86
8									0.31	0.33	0.64	0.94	0.41	0.27	0.68	1.52
9									1.07	1.10	2.17	0.97	0.37	0.39	0.76	0.95
10									0.84	1.12	1.96	0.75	0.82	0.81	1.63	1.01
11									0.86	0.70	1.56	1.23	1.16	1.43	2.59	0.81
12									1.59	1.38	2.97	1.15	0.82	1.06	1.88	0.77
13									1.94	3.45	5.39	0.56	1.28	1.29	2.57	1.00
14									1.92	3.12	5.04	0.62	1.22	2.61	3.83	0.47
15									-	-	-	-	-	-	-	-
16									0.54	0.72	1.26	0.75	1.44	0.69	2.13	2.09
17									0.50	0.62	1.12	0.81	0.95	0.94	1.89	1.01
18									0.80	0.88	1.68	0.91	0.84	0.83	1.67	1.01
19									1.00	1.12	2.12	0.89	0.94	0.97	1.91	0.97
20									1.12	0.91	2.03	1.23	1.29	0.72	2.01	1.79
21									1.17	0.98	2.15	1.19	0.92	0.63	1.55	1.46
22									0.20	0.19	0.39	1.05	0.60	0.82	1.42	0.73
23									1.25	1.50	2.75	0.83	1.09	1.55	2.64	0.70
24									0.83	0.58	1.41	1.43	0.60	0.72	1.32	0.83
25									0.74	0.75	1.49	0.99	0.98	0.78	1.76	1.26
26									0.38	0.31	0.69	1.22	0.66	0.59	1.25	1.12
27									0.90	0.61	1.51	1.48	0.92	1.01	1.93	0.91
28									-	-	-	-	1.12	0.68	1.80	1.65
29																
30																
31																
Prom.									0.91	1.02	1.93	0.89	0.92	0.96	1.88	0.96

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplit.	Tipo de Curva
58	64	58	46	44	64	58	53	48		740	-871	1611	2
107	103	105	103	99	120	118	99	115	101.4	190	14	176	0
83	-69	-224	97	-48	76	166	-34	-83		728	-794	1522	2
122	132	125	113	39	97	105	81	85		∞	-∞	-	3*
117	129	124	104	110	62	97	90	62	87.2	172	7	165	0
110	97	90	90	110	90	62	76	55	90.5	226	-48	274	1
97	90	69	48	55	90	62	55	41	86.9	233	-69	302	1
-14	117	124	159	186	186	152	104	104	119.0	246	-55	301	1
149	166	161	122	81	66	48	46	14	89.1	280	-28	308	1
90	110	90	69	76	90	90	97	48	67.8	193	00	193	0
90	76	97	76	83	76	55	55	83	63.2	152	-14	166	1
48	48	69	62	55	14	48	62	62		110	-110	220	2
7	14	7	14	21	21	28	-	-		297	-609	906	2*
21	7	7	7	28	41	55	55	21		76	-21	97	2*
-97	-69	-117	14	14	14	- 7	-28	14		437	-594	1031	2*
97	83	69	69	48	97	104	83	76	81.4	172	- 7	179	1
48	55	62	69	97	76	55	62	55	72.5	124	14	110	0
69	76	69	76	90	90	83	95	87	77.2	193	-28	221	1
56	53	58	58	62	60	44	44	48	70.0	139	-26	165	1
7	41	41	62	62	55	55	83	55		304	-267	571	2
76	69	48	55	55	69	14	55	62	84.4	272	-83	355	1
83	97	41	90	124	138	97	97	97	117.9	310	14	296	0
- 7	62	55	-110	-41	97	76	-76	-390		437	-946	1383	2
55	41	48	76	90	97	83	62	48		231	-209	440	1*
76	69	76	55	69	76	97	97	76	82.5	166	21	145	0
34	55	48	69	110	83	110	131	97		220	-69	289	2
-14	7	14	28	90	138	83	55	48		233	-138	371	2
110	90	83	83	55	62	14	41	55		333	-724	1057	2
83.4	92.7	85.5	82.9	89.7	92.4	78.5	77.0	68.2	86.1				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i" $.10^{-7}$ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
hora iones	hora λ a.m.	hora λ p.m.	a.m.	p.m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
12	-13	58	-	6.09	763	907	1670	0.84	0.36	1.26
115	109	105	3.78	6.65	859	612	1471	1.40	0.51	0.94
124	69	-390	7.15	-	1069	1069	2138	1.00	1.46	1.14
24	5	115	-	6.36	-	-	-	-	2.46	2.69
117	110	124	4.25	4.30	1069	1031	2100	1.04	-	0.64
172	166	9C	5.81	6.81	926	457	1383	2.03	0.47	0.41
97	90	69	5.16	3.52	559	979	1538	0.57	-	0.22
193	179	124	3.82	2.81	859	461	1320	1.86	-	-
149	105	132	7.60	3.34	815	859	1674	0.95	0.48	-
55	55	83	3.59	4.51	1025	815	1840	1.26	1.04	2.17
69	48	90	2.50	7.77	662	641	1303	1.03	0.91	0.75
76	69	76	6.83	4.76	333	662	995	0.50	-	-
62	55	14	9.88	1.20	566	515	1081	1.10	1.42	-
-	-	00	-	0.00	1031	408	1439	2.53	1.27	0.10
69	83	-69	-	-	509	631	1140	0.81	-	-
124	124	76	5.21	5.40	1289	861	2150	1.50	1.44	0.42
104	104	69	3.88	4.35	408	800	1208	0.51	-	1.78
110	97	69	5.43	3.84	840	507	1347	1.66	-	-
87	74	64	5.23	4.07	203	442	645	0.46	-	3.00
55	14	41	0.95	2.75	400	310	710	1.29	-	1.33
97	83	41	5.95	2.12	203	572	775	0.35	-	-
152	166	28	2.16	1.32	228	253	481	0.90	-	0.77
00	-14	62	-1.28	5.46	612	744	1356	0.82	1.23	1.46
-	-	55	-	2.42	687	408	1095	1.68	-	0.50
104	97	76	4.82	4.46	561	748	1309	0.75	1.73	0.59
97	124	41	2.85	1.71	287	203	490	1.41	-	-
83	69	14	3.47	0.90	767	687	1454	1.12	1.04	0.31
7	48	83	-	4.98	972	509	1481	1.90	0.44	1.15
90	81	48	4.31	3.92	685	633	1318	1.08	1.08	1.08

COMPONENTE NORTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	- 6.3	- 9.4
3	- 3.1	- 1.6	- 3.1	- 3.1	- 9.4	-12.6	-12.6	- 7.8	- 9.4	- 9.4	- 6.3	- 4.7	- 7.8
4	- 4.7	2.6	1.3	1.3	- 6.3	- 3.1	- 7.8	- 3.1	- 7.8	-11.0	-12.6	-15.7	-20.4
5	- 7.8	- 6.3	2.6	- 1.6	- 4.7	- 7.8	-14.1	-17.3	- 9.4	- 4.7	- 5.3	-11.0	- 7.8
6	- 6.3	4.0	5.3	5.3	- 6.3	-12.6	-11.0	- 6.3	2.6	1.3	- 1.6	- 4.7	- 7.8
7	7.9	9.2	9.2	9.2	2.6	- 4.7	-11.0	-11.0	- 7.8	2.6	1.3	4.0	- 4.7
8	1.3	4.0	1.3	6.6	- 4.7	- 6.3	- 6.3	- 6.3	- 3.1	- 7.8	1.3	5.3	2.6
9	7.9	7.9	9.2	10.6	7.9	5.3	4.0	2.6	- 1.6	- 3.1	10.6	4.0	5.3
10	5.3	10.6	6.6	10.6	2.6	4.0	5.3	- 4.7	2.6	7.9	13.2	18.5	21.2
11	13.2	14.5	18.5	15.9	10.6	11.9	4.0	1.3	5.3	6.6	11.9	11.9	10.6
12	14.5	18.5	13.2	11.9	7.9	2.6	2.6	2.6	5.3	9.2	6.6	6.6	5.3
13	10.6	11.9	-	-	-	-	-	-	- 7.8	- 4.7	- 3.1	5.3	7.9
14	5.3	5.3	2.6	4.0	- 9.4	- 9.4	-11.0	- 9.4	- 7.8	0.0	1.3	1.3	5.3
15	2.6	0.0	2.6	5.3	- 7.8	- 6.3	-	-	-	-	-	-	-
16	-65.9	-65.9	-62.8	-64.4	-72.2	-73.8	-76.9	-75.4	-73.8	-69.1	-69.1	-62.8	-64.4
17	-	-	-	-	-	-	-	-64.4	-56.5	-50.2	-47.1	-40.8	-44.0
18	-45.5	-42.4	-39.2	-40.8	-44.0	-51.8	-53.4	-53.4	-51.8	-55.0	-53.4	-55.0	-32.9
19	-44.0	-32.9	-31.4	-32.9	-42.4	-51.8	-45.5	-	-40.8	-37.7	-31.4	-36.1	-31.4
20	-29.8	-32.9	-31.4	-23.6	-31.4	-34.5	-37.7	-42.4	-	-	-	-	-
21	-22.0	-20.4	-17.3	-18.8	-23.6	-25.1	-31.4	-32.9	-32.9	-22.0	-22.0	-17.3	-12.6
22	-20.4	-22.0	- 7.8	-18.8	-	-	-	-26.7	-25.1	-20.4	-20.4	-22.0	-20.4
23	- 7.8	- 9.4	- 6.3	- 3.1	-18.8	-20.4	-18.8	-23.6	-17.3	-20.4	-15.7	-14.1	- 4.7
24	1.3	- 6.3	- 4.7	- 4.7	- 7.8	- 6.3	- 7.8	-	-	-	-	-	-
25	- 4.7	- 3.1	1.3	- 7.8	- 6.3	- 6.3	-14.1	-23.6	-14.1	-14.1	-	-	-
26	-12.6	- 6.3	- 4.7	- 4.7	- 7.8	-12.6	-17.3	-20.4	-15.7	- 9.4	-12.6	- 9.4	- 3.1
27	-11.0	- 6.3	- 6.3	2.6	- 6.3	- 9.4	-12.6	-14.1	- 9.4	- 6.3	- 7.8	2.6	2.6
28	-17.3	18.5	-11.0	- 4.7	-15.7	-15.7	-11.0	-14.1	-11.0	- 6.3	- 1.6	- 4.7	5.3
29													
30													
31													
Prom	- 9.3	- 6.0	- 6.3	- 6.1	-12.8	-15.1	-17.5	-20.5	-16.8	-14.1	-11.5	-10.7	- 8.9
Var.	4.3	7.6	7.3	7.5	0.8	- 1.5	- 3.9	- 6.9	- 3.2	- 0.5	2.1	2.9	4.7

COMPONENTE ESTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-28.4	-21.7
3	- 8.1	- 6.8	- 8.1	-12.2	-20.3	-21.7	-21.7	-13.5	-20.3	-21.7	-20.3	-19.0	-17.6
4	-10.8	- 8.1	- 9.5	- 8.1	- 9.5	- 9.5	- 9.5	-10.8	-12.2	-13.5	-13.5	-14.9	-10.8
5	-16.2	- 8.1	- 9.5	- 8.1	-16.2	-16.2	-17.6	-	-20.3	-14.9	-19.0	-23.0	-17.6
6	-17.6	-12.2	-14.9	-14.9	-20.3	-23.0	-24.4	-23.0	-24.4	-24.4	-23.0	-23.0	-17.6
7	-17.6	- 9.5	-13.5	-12.2	-21.7	-27.1	-21.7	-23.0	-21.7	-20.3	-24.4	-27.1	-25.7
8	- 8.1	- 8.1	- 9.5	-10.8	-19.0	-27.1	-20.3	-16.2	-17.6	-19.0	-17.6	-16.2	-16.2
9	- 6.8	- 5.4	- 8.1	-10.8	-16.2	-23.0	-19.0	-16.2	-17.6	-17.6	-17.6	-17.6	-14.9
10	-10.8	- 9.5	-12.2	-12.2	-23.0	-23.0	-20.3	-19.0	-16.2	-14.9	-16.2	-16.2	-16.2
11	-10.8	- 5.4	-10.8	- 8.1	- 9.5	-12.2	-13.5	-14.9	-16.2	-20.3	-19.0	-21.7	-16.2
12	-14.9	- 5.4	- 8.1	- 8.1	-16.2	-21.7	-21.7	-14.9	-10.8	-10.8	- 9.5	-12.2	-14.9
13	- 9.5	- 9.5	-10.8	-12.2	-	-	-	-13.5	-16.2	-14.9	-14.9	-19.0	-17.6
14	- 8.1	- 8.1	- 9.5	-13.5	-24.4	-25.7	-21.7	-16.2	-17.6	-13.5	-16.2	-16.2	-19.0
15	- 9.5	- 6.8	-10.8	- 9.5	-20.3	-28.4	-	-	-	-	-	-	-
16	- 8.1	- 6.8	- 9.5	-12.2	-25.7	-29.8	-24.4	-20.3	-20.3	-17.6	-17.6	-21.7	-21.7
17	-	-	-	-	-	-	-	- 6.8	- 6.8	- 9.5	- 9.5	- 8.1	- 6.8
18	- 1.4	2.6	1.3	1.3	- 2.7	- 2.7	- 5.4	- 5.4	- 8.1	-10.8	- 9.5	- 8.1	- 8.1
19	- 5.4	5.2	3.9	5.2	- 4.1	- 9.5	- 8.1	-	- 5.4	- 5.4	- 5.4	- 6.8	- 5.4
20	5.2	7.9	2.6	1.3	- 8.1	-10.8	-10.8	- 6.8	-	-	-	-	-
21	10.5	9.2	7.9	5.2	- 4.1	- 5.4	- 6.8	- 4.1	- 1.4	1.3	- 1.4	- 2.7	- 4.1
22	10.5	9.2	2.6	2.6	-	-	-	- 5.4	- 6.8	- 9.5	- 6.8	- 8.1	- 8.1
23	3.9	7.9	2.6	1.3	- 2.7	-10.8	- 8.1	- 4.1	- 4.1	- 2.7	- 2.7	- 4.1	- 5.4
24	3.9	6.6	2.6	1.3	- 8.1	-12.2	- 4.1	-	-	-	-	-	-
25	- 2.7	5.2	1.3	2.6	- 2.7	- 4.1	- 4.1	- 9.5	- 8.1	-10.8	-	-	-
26	- 2.7	3.9	1.3	- 4.1	-10.8	-19.0	-16.2	-14.9	-10.8	-10.8	- 9.5	-12.2	-16.2
27	2.6	3.9	- 2.7	- 4.1	-13.5	-13.5	- 9.5	- 8.1	- 8.1	- 5.4	- 6.8	- 6.8	- 9.5
28	5.2	3.9	2.6	1.3	- 9.5	-14.9	-13.5	- 8.1	- 9.5	- 9.5	- 9.5	-13.5	-13.5
29													
30													
31													
Prom	- 5.1	- 1.8	- 4.8	- 5.6	-13.4	-17.0	-14.6	-12.5	-13.1	-12.9	-13.2	-15.1	-14.1
Var.	6.3	9.6	6.6	5.8	- 2.0	- 5.6	- 3.2	- 1.1	- 1.7	- 1.5	- 1.8	- 3.7	- 2.7

LINEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
-	-	-	-	-	-	-	-	-	-	-	-	-
-11.0	- 9.4	-11.0	-20.4	-22.0	-12.6	-11.0	-11.0	- 7.8	- 3.1	- 6.3	-10.9	1
2.6	- 3.1	- 7.8	-14.1	-	-	-	- 3.1	2.6	1.3	- 1.6	- 5.4	0
-22.0	-22.0	-14.1	-20.4	-20.4	-20.4	-11.0	-12.6	-12.6	- 7.8	- 6.3	-10.7	0
- 6.3	- 7.8	-22.0	-18.8	-22.0	-20.4	-20.4	-14.1	- 7.8	- 9.4	-14.1	-10.3	1
-12.6	-14.1	-15.7	-11.0	-11.0	- 9.4	- 7.8	- 7.8	-12.6	- 6.3	- 3.1	- 6.2	1
- 3.1	- 7.8	-11.0	- 9.4	- 7.8	- 6.2	- 4.7	1.3	2.6	6.6	2.6	- 1.2	0
1.3	-11.0	-17.3	- 7.8	- 6.3	5.3	7.9	7.9	6.6	11.9	4.0	- 0.4	0
9.2	2.6	- 6.3	-11.0	4.0	2.6	6.6	10.6	9.2	14.5	7.9	5.0	2
14.5	-12.6	- 3.1	- 6.3	- 6.3	5.3	6.6	7.9	5.3	11.9	4.0	5.4	1
9.2	5.3	- 6.3	5.3	5.3	5.3	- 3.1	13.2	7.9	5.3	6.6	7.9	2
13.2	- 3.1	7.9	2.6	1.3	- 1.6	5.3	9.2	6.6	13.2	7.9	7.0	2
2.6	1.3	- 6.3	- 6.3	- 7.8	- 9.4	- 3.1	1.3	1.3	2.6	4.0	0.0	0
6.6	- 4.7	- 3.1	-14.1	-15.7	-11.0	- 6.3	- 6.3	- 6.3	2.6	1.3	- 3.3	0
5.3	- 6.3	- 9.4	-48.7	-56.5	-67.5	-62.8	-59.7	-69.1	-65.9	-69.1	-30.2	1
-64.4	-73.8	-72.2	-75.4	-70.6	-69.1	-65.9	-	-	-	-	-69.4	0
-48.7	-59.7	-62.8	-69.1	-67.5	-64.4	-59.7	-58.1	-48.7	-44.0	-47.1	-54.9	0
-	-	-	-	-	-48.7	-48.7	-45.5	-48.7	-36.1	-39.2	-46.6	1
-31.4	-42.4	-40.8	-37.7	-42.4	-42.4	-37.7	-34.5	-31.4	-28.3	-32.9	-37.4	1
-	-25.1	-28.3	-29.8	-28.3	-23.6	-23.6	-23.6	-22.0	-15.7	-17.3	-27.8	1
-14.1	-29.8	-29.8	-31.4	-28.3	-18.8	-20.4	-22.0	-28.3	-15.7	-18.8	-23.2	1
-18.8	-15.7	-20.4	-29.8	-23.6	-31.4	-23.6	-11.0	-29.8	-11.0	-12.6	-20.6	2
- 9.4	-12.6	-12.6	-28.3	-17.3	-28.3	- 9.4	-17.3	- 4.7	- 4.7	-11.0	-14.0	2
-	-11.0	-15.7	-22.0	-23.6	-26.7	-14.1	-12.6	- 4.7	- 3.1	- 3.1	-10.2	1
-	-	-	-	-28.3	-20.4	-15.7	-12.6	-12.6	- 7.8	- 9.4	-11.7	2
- 4.7	-11.0	-11.0	-12.6	-15.7	-11.0	-11.0	- 3.1	-23.6	-25.1	- 9.4	-11.4	2
- 4.7	1.3	-	-	-	-25.1	-20.4	-23.6	-15.7	-14.1	- 9.4	- 9.2	1
1.3	- 3.1	- 7.8	-14.1	-12.6	-14.1	1.3	- 3.1	- 9.4	- 1.6	- 3.1	- 6.5	2
- 8.1	-15.0	-17.8	-22.1	-21.8	-21.7	-17.4	-12.7	-13.6	- 8.8	-10.6	13.6	
5.5	- 1.4	- 4.2	- 8.5	- 8.2	- 8.1	- 3.8	0.9	0.0	4.8	3.0		

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
-	-	-	-	-	-	-	-	-	-	-	-	
-23.0	-21.7	-20.3	-20.3	-23.0	-21.7	-23.0	-23.0	-20.3	-12.2	-13.5	-20.9	1
-16.2	-16.2	-20.3	-19.0	-	-	-	-20.3	-14.9	-12.2	-10.8	-16.2	2
-12.2	-17.6	-17.6	-23.0	-23.0	-23.0	-21.7	-20.3	-20.3	-14.9	-12.2	-14.4	2
-16.2	-16.2	-16.2	-20.3	-21.7	-16.2	-21.7	-19.0	-16.2	-12.2	- 9.5	-16.2	2
-20.3	-20.3	-20.3	-21.7	-24.4	-23.0	-24.4	-19.0	-20.3	-10.8	- 9.5	-19.9	1
-25.7	-27.1	-19.0	-21.7	-23.0	-23.0	-17.6	-14.9	- 8.1	- 6.8	- 5.4	-19.1	1
-14.9	-16.2	-13.5	-13.5	-17.6	-16.2	-19.0	-13.5	- 9.5	- 8.1	- 8.1	-14.8	1
-17.6	-14.9	-10.8	-14.9	-14.9	-16.2	-10.8	- 8.1	- 6.8	- 5.4	- 5.4	-13.2	0
-13.5	-14.9	- 8.1	-14.9	-14.9	-19.0	-23.0	-17.6	-17.6	-12.2	-13.5	-15.8	1
-12.2	-16.2	-14.9	-16.2	-17.6	-17.6	-19.0	-10.8	-14.9	-14.9	-12.2	-14.4	2
-16.2	-16.2	-14.9	-14.9	-17.6	-14.9	-16.2	-16.2	-14.9	- 8.1	- 8.1	-13.6	2
-17.6	-16.2	-13.5	-16.2	-19.0	-20.3	-25.7	-19.0	-12.2	- 9.5	- 8.1	-15.0	1
-20.3	-19.0	-16.2	-16.2	-19.0	-20.3	-17.6	-17.6	-16.2	- 8.1	- 8.1	-16.2	1
-10.8	-16.2	-13.5	-21.7	-28.4	-33.8	-32.5	-27.1	-21.7	-13.5	-10.8	-18.5	1
-16.2	-23.0	-16.2	-17.6	-23.0	-19.0	-16.2	-	-	-	-	-18.3	1
- 5.4	- 8.1	- 5.4	- 9.5	-12.2	- 4.1	- 8.1	- 4.1	- 6.8	- 4.1	- 2.7	- 6.9	2
-	-	-	-	-	-10.8	- 9.5	- 9.5	- 5.4	3.9	1.3	- 4.6	2
- 4.1	- 5.4	- 4.1	- 2.7	- 4.1	- 5.4	- 5.4	- 5.4	2.6	5.2	2.6	- 2.9	1
-	- 5.4	1.3	- 4.1	- 4.1	- 4.1	- 2.7	- 4.1	1.3	3.9	3.9	- 1.9	1
- 2.7	- 1.4	3.9	- 1.4	- 2.7	- 2.7	- 4.1	1.3	1.3	5.2	3.9	0.2	1
- 6.8	-10.8	- 2.7	- 6.8	- 6.8	- 9.5	- 6.8	1.3	- 4.1	2.6	3.9	- 3.2	2
- 2.7	- 4.1	1.3	- 2.7	- 4.1	- 4.1	- 6.8	- 5.4	- 4.1	1.3	- 4.1	- 2.7	2
-	- 9.5	-10.8	-13.5	-13.5	-14.9	-10.8	- 4.1	5.2	- 1.4	- 4.1	- 5.1	2
-	-	-	-	-14.9	-17.6	-17.6	- 8.1	-14.9	- 4.1	- 2.7	- 6.6	2
-12.2	-12.2	-13.5	-14.9	-12.2	-12.2	-14.9	-13.5	- 4.1	2.6	- 2.7	- 9.7	1
-10.8	- 6.8	- 8.1	- 8.1	- 9.5	- 9.5	- 8.1	- 6.8	2.6	6.6	6.6	- 5.6	1
-10.8	-17.6	-10.8	-14.9	-12.2	-10.8	-13.5	- 9.5	- 9.5	- 4.1	- 5.4	- 8.6	1
-13.4	-14.1	-11.4	-14.0	-15.3	-15.0	-15.3	-12.1	- 9.6	- 5.0	- 5.2	11.4	
- 2.0	- 2.7	0.0	- 2.6	- 3.9	- 3.6	- 3.9	- 0.7	1.8	6.4	6.2		

PRESIÓN ATMOSFERICA

en mm. de Hg. al nivel del Observatorio: 700 mm.+ ...

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	53:0	52.6	52.2	51.2	51.0	52.1	53.0	54.7	55.0	54.6	54.9	52.4	53.3	53.8	53.7
2	55.4	55.3	55.3	55.3	55.3	55.5	55.5	56.0	56.0	56.1	56.0	55.8	55.5	55.0	54.4
3	53.0	52.6	52.5	52.6	52.7	52.8	52.7	52.8	52.6	52.1	51.1	50.4	50.2	49.8	48.9
4	52.3	51.9	51.5	52.1	52.2	53.4	54.6	53.8	54.0	54.5	54.0	53.6	53.2	53.2	53.0
5	54.3	54.4	54.6	55.1	55.7	56.2	56.9	57.2	58.1	58.3	58.2	58.2	58.2	58.2	57.8
6	61.6	61.7	61.7	61.8	61.9	62.2	62.5	63.0	62.9	62.7	62.4	62.1	61.8	61.4	61.0
7	59.5	59.3	59.3	59.5	59.6	59.9	60.2	60.2	60.1	59.9	59.8	59.7	59.6	59.5	59.4
8	60.7	60.8	61.1	61.3	61.8	62.4	63.0	63.3	63.4	63.4	63.2	63.1	62.9	62.6	62.5
9	62.8	62.6	62.5	62.8	63.0	63.1	63.2	63.3	63.2	62.9	62.4	62.3	61.8	61.4	61.0
10	61.2	61.0	61.0	61.0	61.1	61.4	61.5	61.4	61.3	61.2	60.9	60.7	60.5	60.2	59.7
11	59.5	59.4	59.5	59.4	59.4	59.5	59.6	59.4	59.0	58.6	58.1	57.7	57.5	57.0	56.5
12	55.8	55.7	55.3	55.4	55.7	56.8	56.4	56.5	55.9	55.9	55.7	55.4	54.6	53.7	53.2
13	55.0	55.7	56.7	56.6	56.9	57.6	58.4	59.6	59.7	59.6	59.5	59.6	59.5	59.2	59.5
14	62.3	62.1	62.1	62.0	62.4	62.6	63.1	63.2	63.0	63.0	62.8	62.7	62.6	62.0	61.8
15	60.8	60.0	59.0	58.7	58.4	58.8	58.8	58.5	58.3	58.1	58.4	56.6	56.3	55.2	55.1
16	54.6	54.5	54.4	54.6	54.7	55.3	55.5	55.6	55.5	55.1	54.6	54.5	54.3	53.9	53.5
17	54.9	54.9	54.9	55.1	55.6	56.1	56.1	56.2	56.0	55.9	55.9	55.7	55.2	54.8	54.8
18	56.9	56.9	57.0	57.0	57.4	57.9	58.2	58.2	57.8	57.4	57.3	57.0	56.5	56.1	56.1
19	55.2	55.2	55.2	55.1	55.0	55.0	55.1	55.2	55.1	55.1	54.3	54.0	53.4	53.1	52.3
20	51.2	51.1	51.0	51.2	51.8	52.0	52.1	52.1	52.2	52.1	51.6	51.2	51.2	50.4	50.3
21	52.7	52.6	52.9	53.1	53.2	53.3	53.7	54.0	54.0	54.1	54.0	53.8	53.5	52.9	52.7
22	56.2	56.2	56.1	56.3	56.6	57.0	57.1	57.2	57.1	57.1	56.5	56.3	55.7	55.6	55.3
23	54.2	53.8	53.5	52.9	52.9	52.7	52.7	52.2	52.1	52.3	51.8	51.3	50.5	48.9	47.5
24	47.4	47.2	47.5	48.6	49.9	51.1	51.6	52.5	52.9	53.4	53.6	54.4	54.6	54.8	54.8
25	60.0	60.3	60.1	60.2	60.4	61.1	61.3	61.9	61.7	61.4	61.2	60.9	60.6	60.1	59.9
26	61.9	61.9	61.9	61.9	62.0	62.3	62.8	63.0	63.0	63.0	63.0	62.4	62.2	61.5	61.1
27	61.0	60.7	60.8	60.5	60.3	60.3	60.3	60.3	60.2	59.8	59.3	58.7	58.1	57.2	56.2
28	53.7	53.1	52.7	52.8	53.0	53.3	53.2	53.3	53.5	52.9	52.5	52.2	51.9	51.4	50.9
29															
30															
31															
Prom	56.7	56.6	56.5	56.6	56.8	57.2	57.5	57.7	57.6	57.5	57.2	56.9	56.6	56.2	55.8

TEMPERATURA DEL AIRE

a la sombra en grados C.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	23.6	23.5	24.0	23.9	23.9	23.6	22.4	20.2	19.8	19.4	19.3	20.2	22.3	21.9	23.1
2	17.1	17.2	17.2	17.0	16.7	16.5	17.0	20.0	24.2	25.6	26.7	27.9	29.5	29.4	29.0
3	19.6	19.5	19.6	19.1	18.9	19.2	21.0	23.6	23.6	24.5	25.7	29.4	29.4	30.0	30.0
4	21.3	21.4	21.4	21.3	21.2	20.6	20.5	20.5	20.6	20.4	20.5	20.6	20.8	21.8	22.8
5	18.4	18.4	18.5	18.5	18.6	18.7	18.8	19.2	21.0	21.7	23.1	23.8	24.6	24.8	24.7
6	15.5	14.4	13.4	12.5	11.2	10.8	13.7	16.7	18.2	19.9	21.3	22.5	23.6	24.6	24.7
7	15.2	15.1	15.1	14.9	15.0	15.2	16.6	20.0	22.3	24.3	26.0	27.2	28.1	28.4	28.6
8	17.7	16.7	15.5	14.8	14.4	14.4	15.5	17.8	19.4	21.0	22.3	23.4	23.9	24.4	23.1
9	12.7	12.3	12.1	12.3	12.4	12.5	15.1	20.8	21.7	22.8	23.1	24.3	24.6	25.2	25.2
10	18.5	18.5	18.0	17.7	17.6	17.2	17.7	21.9	22.3	25.7	25.6	26.2	27.1	27.4	27.3
11	21.0	20.4	19.8	19.6	19.0	19.1	21.7	23.9	25.7	26.8	27.3	27.5	26.5	26.6	26.8
12	21.9	22.1	21.8	21.2	20.7	20.5	21.8	24.2	25.7	27.4	28.6	29.7	30.7	31.1	30.9
13	21.0	19.5	18.4	18.4	18.4	18.6	18.9	19.2	19.3	19.4	19.4	19.8	20.9	21.7	21.5
14	14.2	14.0	14.1	14.2	14.3	14.8	15.0	15.4	15.8	17.2	17.6	18.6	18.9	19.2	19.1
15	17.7	17.0	16.8	17.2	17.5	18.2	18.6	19.5	19.7	20.0	20.1	20.5	20.5	20.5	20.4
16	16.3	15.8	15.4	15.3	14.5	14.4	14.5	15.1	15.5	17.1	18.4	19.8	20.7	21.2	21.2
17	15.2	15.2	15.0	15.2	15.4	15.5	17.5	19.9	21.0	22.5	23.7	25.1	25.4	25.7	25.8
18	14.5	13.1	12.9	12.7	12.6	13.0	13.1	17.6	21.7	22.8	23.8	25.0	25.8	26.1	26.3
19	13.9	13.7	13.3	13.3	13.2	12.9	15.0	20.4	23.2	25.6	27.4	29.2	30.2	31.4	31.2
20	18.2	18.2	18.6	18.4	18.4	18.5	20.7	24.3	26.2	27.4	28.2	29.0	30.0	29.6	29.2
21	18.4	17.7	16.6	16.1	15.5	15.8	16.2	18.1	20.4	22.0	23.7	24.5	24.4	25.3	26.0
22	13.5	13.1	12.7	11.6	10.1	9.6	12.5	16.7	18.9	20.1	21.2	21.9	22.6	23.0	22.9
23	16.9	16.3	15.9	16.0	16.1	16.2	17.5	19.9	21.8	23.9	25.8	27.1	28.1	28.7	28.8
24	16.4	16.1	16.2	16.1	16.3	16.1	16.3	18.0	18.2	20.0	20.5	20.1	20.4	20.4	19.9
25	7.8	8.1	7.3	6.7	6.2	5.9	9.2	13.7	16.2	17.7	18.3	19.1	19.7	20.5	20.8
26	10.0	10.0	10.2	10.2	10.4	10.6	12.9	14.0	18.8	21.2	22.0	22.7	23.7	23.8	23.8
27	16.3	15.8	15.8	15.7	15.6	15.7	16.3	18.0	18.7	20.4	21.2	21.7	22.6	23.0	23.3
28	19.9	19.7	19.2	18.9	17.4	16.9	16.9	17.2	17.2	17.4	17.4	17.9	18.7	19.7	20.3
29															
30															
31															
Prom	16.7	16.5	16.2	16.0	15.8	15.7	16.9	19.1	20.6	21.9	22.8	23.7	24.4	24.8	24.9

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
53.5	53.5	53.5	54.2	54.6	55.2	55.3	55.4	55.3	55.4	23	50.8	4-5	4.6	753.7 mm.	1004.9 mb.
53.8	53.5	53.5	53.6	53.6	53.6	53.6	53.6	54.6	56.1	10	53.5	17,18	2.6	54.8	1006.4
48.6	48.9	50.9	51.0	51.8	52.2	52.5	52.8	52.7	54.6	0	48.4	16-17	6.2	51.6	1002.1
52.6	52.9	53.3	54.0	54.3	54.0	54.1	54.5	54.5	55.3	9-10	51.2	2-3	4.1	53.4	1004.5
57.7	57.7	57.7	58.2	58.8	59.1	59.6	60.5	61.3	61.3	24	54.3	1	7.0	57.6	1010.1
60.6	60.2	60.1	60.2	60.2	60.2	60.0	59.8	59.7	63.0	8	59.7	24	3.3	61.3	1015.0
58.8	58.7	58.7	58.8	58.8	58.9	59.5	59.8	59.9	60.2	7,8	58.7	17,18	1.5	59.5	1012.6
62.5	62.4	62.6	62.8	63.2	63.4	63.4	63.4	63.2	63.5	21-22	59.9	0	3.6	62.7	1016.9
60.8	60.8	61.0	61.3	61.8	61.9	61.8	61.6	61.3	63.3	8	60.8	16,17	2.5	62.1	1016.1
59.4	59.4	59.5	59.7	59.8	59.7	59.7	59.8	59.7	61.5	7	59.4	16,17	2.1	60.4	1013
56.1	55.7	55.7	55.8	56.0	56.4	56.3	56.3	56.0	59.7	0	55.7	17,18	4.0	57.7	1010.2
52.9	52.6	52.5	52.8	53.1	53.3	54.0	54.4	54.6	56.5	8	52.5	18	4.0	54.7	1006.2
59.7	59.8	60.3	60.9	61.4	61.9	62.2	62.2	62.2	62.2	22,23,24	54.6	0	7.6	59.3	1012.4
61.7	61.5	61.3	61.3	61.8	62.0	61.8	61.8	61.5	63.2	8	61.0	18-19	2.2	62.2	1016.2
54.7	54.4	54.4	54.7	54.9	55.1	55.2	55.2	55.0	61.5	0	54.4	17,18	7.1	56.8	1009.0
53.5	53.5	53.6	53.9	54.4	54.7	54.7	54.7	54.8	55.6	8	53.5	15,16,17	2.1	54.5	1006.0
54.8	54.8	54.8	55.2	55.7	56.6	56.8	56.8	56.9	56.9	24	54.7	17-18	2.2	54.4	1005.8
55.8	55.7	55.4	55.5	55.6	55.7	55.8	55.6	55.3	58.2	7,8	55.3	24	2.9	56.6	1008.8
52.1	52.0	51.5	51.6	51.8	51.8	51.8	51.7	51.5	55.3	0	51.5	18,24	3.8	53.5	1004.6
49.9	49.9	50.5	50.5	51.2	51.7	51.9	51.5	52.2	52.2	9,24	49.9	16,17	2.3	51.3	1001.7
52.4	52.6	50.0	53.3	54.0	54.9	55.2	55.8	56.0	56.0	24	50.0	18	6.0	53.5	1004.6
54.9	54.4	54.3	54.3	54.4	54.5	54.6	54.6	54.6	57.2	8	54.3	18,19	2.9	55.7	1007.6
46.8	46.4	45.5	45.2	45.2	45.2	45.8	48.1	48.1	54.6	0	45.2	19,20,21	9.4	49.8	999.7
55.1	55.5	55.9	56.7	57.6	58.4	59.0	59.4	59.6	59.6	24	47.1	2-3	12.5	53.8	1005.0
59.9	60.1	60.4	60.8	61.2	61.7	61.8	61.9	61.9	61.9	23,24	59.6	0	2.3	60.9	1014.5
60.8	60.6	60.6	60.6	60.9	61.2	61.2	61.2	61.2	63.1	7-8	60.5	16-17	2.6	61.8	1015.7
55.6	55.2	54.8	54.5	54.4	54.3	54.3	54.2	54.0	61.2	0	54.0	24	7.2	57.7	1010.2
50.6	50.8	51.0	51.4	51.8	52.0	52.1	52.5	52.6	54.0	0	50.6	16	3.4	52.3	1003.0
55.6	55.5	55.5	55.8	56.2	56.4	56.6	56.8	56.8	58.7		54.3		4.4	56.5	1008.6

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
23.1	23.1	22.9	21.6	20.0	18.8	18.3	17.2	16.9	24.9	0	16.9	24	8.0	21.3
29.0	28.1	26.3	23.7	21.6	20.5	19.5	19.3	18.9	29.5	13	16.5	6	13.0	22.4
29.9	29.1	23.9	23.1	22.6	21.6	21.3	21.3	21.3	30.3	15-16	18.8	5-6	11.5	23.6
22.3	21.9	21.6	21.2	20.4	20.0	20.0	20.5	18.8	22.8	15	18.8	24	4.0	20.9
24.3	23.9	22.2	21.0	19.6	18.4	17.4	16.7	16.0	24.8	14	16.0	24	8.8	20.5
24.5	24.4	23.7	20.9	18.5	17.2	16.2	15.8	15.3	24.7	15	10.8	6	13.9	18.3
28.6	28.2	27.8	24.7	21.2	19.9	19.8	18.5	18.4	28.6	15,16	14.9	4	13.7	21.6
22.1	21.7	20.2	18.6	17.5	16.3	15.3	14.4	13.5	24.5	13-14	14.4	5,6	10.1	18.5
25.1	24.5	23.3	21.6	20.6	20.4	20.3	20.1	19.6	25.2	14,15	12.1	3	13.1	19.7
26.8	25.4	24.9	23.2	22.0	21.4	21.0	21.1	21.0	27.4	14	17.2	6	10.2	22.4
26.6	25.3	24.0	22.9	22.6	22.3	22.2	21.7	21.4	27.5	12	19.0	5	8.5	23.4
30.1	28.0	27.1	25.3	24.6	24.0	23.3	22.3	22.0	31.7	14-15	20.5	6	11.2	25.2
20.1	19.6	19.0	17.9	17.2	16.5	15.9	14.8	14.5	22.0	0	14.5	24	7.5	18.7
18.9	18.9	18.6	18.4	18.3	18.4	18.4	18.4	18.0	19.2	14	14.0	2	5.2	17.0
20.4	20.3	20.2	20.1	19.4	18.6	17.5	16.5	16.2	20.5	12,13,14	16.2	24	4.3	18.9
20.9	20.5	20.2	18.1	16.5	15.8	15.4	15.2	15.1	21.2	14,15	14.4	6	6.8	17.2
25.8	25.4	23.8	21.5	19.5	17.9	16.5	14.8	14.7	25.8	15,16	14.7	24	11.1	19.9
25.7	24.8	23.5	21.2	18.0	16.3	15.3	14.5	13.9	26.3	15	12.6	5	13.7	18.9
31.0	30.3	27.7	24.8	22.6	21.3	20.6	19.8	18.7	31.7	14-15	12.9	6	18.8	22.1
28.5	27.1	25.7	24.1	22.3	21.6	20.7	20.2	19.9	30.3	13-14	18.2	1,2	12.1	23.5
26.2	24.8	22.8	20.7	19.3	16.8	15.5	14.7	13.8	26.2	16	13.8	24	12.4	19.8
22.8	22.4	20.7	18.4	17.3	17.2	17.0	17.4	17.3	23.0	14	9.6	6	13.4	17.5
28.7	28.2	26.8	25.3	24.5	24.0	24.1	24.4	17.0	29.2	14-15	15.9	3	13.3	22.6
19.2	18.3	16.8	14.7	12.6	11.2	9.5	8.7	8.3	20.5	11	8.3	24	12.2	16.3
20.3	19.9	17.8	14.7	13.0	11.8	11.2	10.6	10.4	20.8	15	5.9	6	14.9	13.6
23.8	22.6	20.6	18.6	17.2	16.9	16.8	16.7	16.2	23.8	14,15,16	10.0	1,2	13.8	17.2
23.4	23.3	22.3	20.8	20.6	20.7	20.7	20.5	20.0	23.4	16	15.6	5	7.8	19.7
20.6	20.5	20.3	20.1	19.8	19.7	19.6	18.6	18.2	20.6	16	16.9	6,7	3.7	18.8
24.6	23.9	22.7	21.0	19.6	18.8	18.2	17.7	17.0	25.2		14.6		10.6	20.0

HUMEDAD RELATIVA en %

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	77	83	73	74	75	80	94	94	95	96	96	95	85	87	82
2	95	95	95	94	94	93	89	88	70	49	44	35	28	33	40
3	78	77	79	82	82	85	83	73	71	72	68	61	59	60	59
4	93	94	94	95	96	96	96	98	98	95	96	95	91	87	80
5	95	96	95	95	95	94	94	92	86	73	61	53	48	52	45
6	88	89	90	90	89	88	82	67	55	42	39	36	36	36	36
7	82	83	86	88	84	83	71	57	49	46	41	42	44	43	42
8	95	95	90	86	82	83	75	68	63	56	46	39	40	47	53
9	93	95	96	95	97	98	88	68	61	61	58	52	51	49	50
10	86	81	83	84	86	88	86	72	64	60	50	47	48	48	49
11	75	74	75	79	85	87	81	73	73	71	66	63	61	52	55
12	85	79	81	87	90	89	84	75	68	64	58	48	46	43	41
13	93	83	89	91	93	92	91	88	88	89	89	84	75	67	60
14	83	83	85	85	86	86	86	87	86	85	83	82	79	79	79
15	95	95	97	97	96	96	96	96	94	91	90	91	94	96	96
16	91	91	89	86	84	83	82	78	76	72	67	63	60	58	59
17	88	89	91	90	88	86	79	67	59	47	45	42	41	39	38
18	82	87	87	87	87	84	83	72	53	52	43	37	35	33	31
19	89	87	87	82	85	88	78	61	53	52	51	50	44	33	33
20	83	77	79	82	84	86	73	60	53	49	47	47	46	46	49
21	90	88	85	86	91	93	93	92	86	79	55	45	47	39	34
22	80	75	75	82	92	98	80	64	39	32	34	34	36	40	40
23	83	89	92	89	91	92	89	77	65	59	54	49	40	34	35
24	92	92	91	91	90	90	89	83	58	51	43	36	35	31	33
25	95	88	97	100	100	98	78	66	51	43	39	36	33	32	31
26	98	99	99	99	99	99	80	71	57	44	40	40	38	36	35
27	85	80	80	79	77	75	74	72	65	56	52	49	46	47	45
28	70	71	73	76	94	96	95	94	95	95	93	93	93	92	91
29															
30															
31															
Prom.	87	86	87	88	89	89	85	77	69	64	59	55	53	51	51

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	16.5	17.5	16.0	16.0	16.0	16.5	18.5	16.0	15.5	15.5	15.0	16.0	16.5	17.1	16.0
2	13.5	13.5	13.5	13.5	13.0	12.5	12.5	15.4	15.0	11.5	11.0	9.0	8.5	10.1	11.0
3	13.0	13.0	13.0	13.5	13.0	13.5	15.0	15.9	15.5	16.0	16.0	19.0	17.5	18.9	18.0
4	17.5	17.5	17.5	17.5	18.0	17.5	17.5	17.4	17.5	16.5	17.5	16.5	16.5	17.0	15.5
5	14.5	15.5	14.5	14.5	14.5	14.5	15.0	15.3	16.0	14.0	13.0	11.5	11.0	12.2	9.5
6	10.5	10.5	10.0	9.5	8.5	8.0	9.0	9.9	9.0	7.2	7.0	7.6	7.0	8.3	7.6
7	10.5	10.5	11.0	11.0	10.5	10.5	10.0	10.1	9.5	10.0	10.5	11.5	12.0	12.2	12.5
8	13.5	13.0	11.5	10.5	10.5	10.5	9.5	10.4	10.5	10.5	9.5	8.0	8.0	10.8	11.0
9	10.0	9.5	10.0	9.5	10.0	10.5	11.0	12.4	12.0	12.5	12.0	11.0	11.0	11.9	11.5
10	13.5	14.0	13.5	12.0	13.0	12.5	13.0	14.0	13.0	14.0	11.5	12.0	12.5	13.2	12.5
11	13.5	11.5	12.5	13.0	13.5	14.5	15.5	16.2	17.5	17.5	17.5	17.0	16.0	13.3	13.5
12	16.0	15.5	16.0	16.0	15.5	15.5	17.0	16.9	17.5	18.0	16.5	14.5	15.5	14.6	14.0
13	17.0	16.0	13.5	14.5	14.5	14.5	15.0	14.6	14.5	14.5	14.5	14.0	13.0	12.9	11.0
14	10.0	10.0	9.5	10.0	10.5	11.0	11.0	11.3	11.5	12.0	12.0	13.0	12.5	13.1	12.5
15	13.5	12.5	13.5	14.0	14.5	15.0	15.5	17.3	15.5	16.0	15.0	16.5	16.5	17.3	17.0
16	12.5	12.0	11.0	11.0	10.0	10.0	10.0	10.0	9.5	10.5	10.5	10.5	10.0	10.9	10.0
17	11.0	11.0	11.5	11.0	11.5	11.5	11.5	11.6	10.5	9.5	9.0	10.0	10.0	9.6	9.0
18	10.0	9.5	9.5	9.5	9.5	9.0	9.0	10.8	10.0	10.5	9.0	8.5	8.0	8.7	8.0
19	10.0	10.0	10.0	9.0	9.0	9.5	9.5	10.8	11.0	12.5	14.0	14.0	13.5	11.8	11.0
20	12.5	12.0	12.0	13.0	13.0	13.5	13.0	13.6	13.0	13.0	13.5	14.0	15.0	14.2	14.0
21	13.5	13.0	11.5	11.5	12.0	12.0	12.5	14.2	15.5	15.0	11.5	9.5	10.5	10.3	8.0
22	8.5	8.0	7.8	8.0	8.5	8.5	8.0	9.0	6.0	5.6	6.0	6.4	7.6	8.4	7.8
23	11.5	12.0	12.5	11.5	12.5	12.5	13.0	13.4	12.0	12.5	13.0	12.5	10.5	10.2	9.5
24	12.5	12.5	12.5	12.5	12.0	11.5	12.0	12.8	8.5	9.0	7.6	6.6	5.8	5.6	5.6
25	7.2	7.0	7.4	7.0	6.8	6.6	6.6	7.8	7.2	6.4	5.0	6.2	5.6	6.0	6.0
26	8.5	8.5	9.0	9.0	9.0	9.0	8.5	8.5	9.0	7.8	7.4	7.8	8.0	8.2	7.2
27	11.0	10.0	10.0	10.0	10.0	9.5	10.0	11.2	10.0	10.0	9.5	9.0	9.5	9.8	9.0
28	11.5	12.0	12.0	12.5	13.5	14.0	13.0	13.7	13.5	13.5	13.5	14.0	14.5	15.8	16.0
29															
30															
31															
Prom.	12.2	12.1	11.9	11.8	11.9	11.9	12.2	12.9	12.3	12.2	11.7	11.6	11.5	11.9	11.2

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
77	74	74	84	93	95	95	96	96	96	varios	65	0	31	86
39	41	41	51	69	75	75	75	79	96	0	26	13-14	70	66
60	65	79	86	88	92	92	92	92	92	varios	58	15-16	34	76
79	81	83	88	94	93	93	95	95	98	8,9	79	16	19	92
43	41	48	54	61	65	73	78	87	96	2	41	17	55	72
33	32	35	55	74	82	84	85	87	90	3,4	32	17	58	64
42	42	45	60	72	81	78	83	78	89	3-4	39	15-16	50	63
56	55	60	64	68	70	76	83	89	95	1,2	38	11-12	57	68
49	51	54	66	76	80	83	83	85	98	6	49	16	49	72
53	54	57	71	78	83	88	86	79	88	6,22	46	12-13	42	70
54	57	68	77	86	87	86	83	83	87	6,21	52	14	35	73
51	62	68	75	82	85	88	92	94	94	24	41	15	53	72
52	48	53	59	61	63	64	71	80	94	0	48	17	46	76
83	81	82	83	80	80	80	82	89	89	24	78	14-15	11	83
96	96	96	96	96	96	96	95	91	97	3,4	90	11	7	95
59	60	60	69	81	85	87	87	89	92	2-3	58	14	34	76
37	38	40	47	57	68	74	83	79	92	3-4	37	16	55	63
38	44	44	57	49	83	86	87	88	88	24	31	15	57	64
35	39	47	61	71	75	78	84	87	89	1	33	14,15	56	64
54	58	59	70	75	77	81	80	82	87	0	45	13-14	42	66
34	30	39	50	57	81	84	84	84	93	6,7	30	17	63	68
40	41	48	56	64	67	77	81	80	98	6	32	10	66	61
40	45	54	62	67	72	70	70	92	92	3,6,24	31	13-14	61	67
29	35	42	54	70	80	92	97	96	97	23	28	15-16	69	67
32	34	48	68	77	88	91	94	97	100	4,5	31	15	69	67
43	53	59	66	70	71	72	75	80	99	varios	35	15	64	68
44	45	49	54	55	56	59	63	67	86	0-1	44	16	42	61
88	88	90	91	91	91	93	94	97	97	24	67	0	30	89
51	53	58	67	74	79	82	84	86	93		46		47	72

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
16.0	15.0	15.0	15.5	16.2	15.0	14.5	13.5	13.0	17.1	14	13.0	24	4.1	15.8
11.0	12.0	13.5	12.0	13.2	13.5	12.0	12.0	12.5	15.4	8	8.5	13	6.9	12.3
18.0	18.5	16.5	17.5	17.8	17.5	17.0	17.0	17.0	19.0	12	13.0	varios	6.0	16.1
15.5	15.5	15.5	16.5	16.8	16.0	16.0	16.5	15.0	18.0	5	15.0	24	3.0	16.7
8.5	8.0	8.5	8.5	10.3	9.5	10.5	11.0	11.0	16.0	9	8.0	17	8.0	12.1
6.2	6.2	7.0	9.5	11.8	12.0	11.0	11.0	11.0	12.0	21	6.2	16,17	5.8	9.7
12.5	12.0	11.5	13.0	13.4	14.0	13.0	13.0	12.0	14.0	21	9.5	9	4.5	11.5
11.5	10.0	10.0	9.5	10.2	9.0	10.0	10.0	10.0	13.5	1	8.0	12,13	5.5	10.3
11.0	10.5	10.0	13.0	13.8	13.5	14.5	14.5	14.0	13.8	20	9.5	2,4	4.3	11.6
12.5	12.5	14.5	15.0	15.5	15.5	16.0	16.0	14.5	16.0	22,23	11.5	11	4.5	13.6
13.5	12.5	14.0	15.0	17.5	17.5	16.0	15.5	15.5	17.5	varios	11.5	2	6.0	15.0
16.5	16.0	18.0	17.0	18.8	18.5	18.5	18.5	19.0	19.0	24	14.0	15	5.0	16.6
9.0	8.0	8.5	8.5	8.9	8.5	8.0	9.0	9.5	17.0	1	8.0	17,22	9.0	12.2
13.0	13.0	13.0	13.0	12.6	12.0	12.0	12.0	12.0	13.1	14	9.5	3	3.6	11.8
17.0	17.0	17.0	17.0	16.1	15.5	14.5	13.0	12.5	17.3	8,14	12.5	2,24	4.8	15.4
10.5	10.0	10.0	10.5	11.4	11.0	11.8	11.0	11.0	12.5	1	9.5	9	3.0	10.6
9.0	9.0	8.0	9.0	9.8	10.0	10.0	10.0	9.5	11.5	5,6,7	8.0	18	3.5	10.1
9.0	10.0	9.0	10.5	11.4	11.0	11.0	10.5	10.0	11.4	20	8.0	13,15	3.4	9.7
11.0	12.0	13.0	14.5	14.5	13.5	14.0	14.0	14.0	14.5	19,20	9.0	4,5	5.5	11.9
15.0	15.0	14.0	15.0	15.1	14.5	15.0	13.5	14.0	15.1	20	12.0	3	3.1	13.8
8.0	6.4	7.8	8.5	9.7	11.5	10.5	10.0	9.5	15.5	9	6.4	17	9.1	10.9
7.8	8.5	8.5	9.0	9.5	9.5	11.0	12.0	11.0	12.0	23	5.6	10	6.4	8.4
11.0	12.0	13.5	15.0	15.5	16.0	15.0	15.0	13.0	16.0	21	9.5	15	6.5	12.7
4.6	5.0	6.0	6.4	7.6	7.6	8.0	8.0	7.8	12.8	8	4.6	16	8.2	8.7
5.8	5.6	7.2	8.0	8.6	9.0	9.0	8.5	9.0	9.0	21,22,24	5.6	13	3.4	7.1
9.0	10.5	10.0	10.5	10.2	10.0	10.0	10.0	10.5	10.5	19,24	7.2	15	3.3	9.0
9.0	9.0	9.5	9.5	10.1	10.5	10.5	11.0	11.5	11.5	24	9.0	varios	2.5	10.0
15.5	15.5	15.5	16.0	15.6	15.5	15.5	14.5	15.0	16.0	15,19	11.5	1	4.5	14.2
11.3	11.2	11.6	12.2	12.9	12.8	12.7	12.5	12.3	14.5		9.4		5.1	12.0

VIENTO: DIRECCIÓN Y VELOCIDAD: PREVALENCIAS

HORAS / DÍAS	0 — 1		1 — 2		2 — 3		3 — 4		4 — 5		5 — 6		6 — 7		7 — 8		8 — 9		9 — 10		10 — 11		11 — 12		12 — 13		13 — 14		14 — 15	
	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.
1		P	E	8	E	10	NE	17	NE	17	NE	10	NE	7	S	12	S	4	S	6	S	5	E	15	NE	16	W	6	S	11
2	W	7	W	8	S	3	S	4	S	3	Calma	1	S	4	Calma	1	Calma	1	E	6	E	5	W	4	W	3	NE	3	NE	15
3	NE	9	NE	9	NE	11	NE	12	NE	12	N	13	N	12	N	13	N	18	N	15	N	21	N	28	N	29	N	26	N	23
4	E	4	SE	4	SE	4	S	2	S	3	S	7	S	7	S	5	SE	5	S	3	SE	4	SE	10	SE	7	E	6	E	10
5	S	2	S	2	S	4	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	S	3	S	10	S	9	S	9	S	10	S	12	S	11
6	S	3	S	3	S	3	S	2	Calma	0	Calma	0	S	2	S	3	S	5	S	6	S	8	S	8	S	8	S	9	S	6
7	NW	5	NW	5	NW	4	NW	6	NW	7	NW	6	NW	8	NW	10	NW	16	NW	13	W	12	W	9	W	8	W	6	W	6
8	S	6	S	8	S	7	S	7	S	7	S	9	S	7	S	6	SE	11	SE	9	SE	10	SE	9	SE	9	SE	11	M	17
9	SE	3	SE	4	SE	4	SE	4	SE	4	SE	4	Calma	1	NE	8	NE	25	NE	20	NE	17	NE	17	E	15	E	14	E	14
10	E	7	NE	11	NE	12	NE	11	NE	11	NE	10	NE	10	NE	14	NE	15	NE	10	NE	10	NE	12	NE	14	NE	13	NE	11
11	NE	10	NE	9	NE	9	NE	10	NE	9	NE	6	NE	9	NE	12	NE	11	NE	9	NE	13	NE	16	NE	16	NE	20	NE	16
12	E	11	NE	15	NE	12	NE	11	NE	8	NE	8	N	12	N	16	N	14	N	a/R	N	a/R	N	a/R	N	a/R	N	a/R	E	4
13	Calma	0	S	15	S	7	S	7	S	11	S	10	S	12	S	12	S	13	S	10	S	12	S	14	S	14	S	15	S	17
14	S	11	S	11	S	13	S	12	S	11	S	10	S	11	S	12	S	17	S	14	SE	17	SE	15	SE	17	SE	16	SE	14
15	SE	9	SE	8	SE	8	SE	8	SE	8	SE	8	SE	4	SE	4	E	14	E	16	E	15	E	17	E	13	E	11	NE	10
16	W	8	W	13	W	16	W	15	W	20	W	19	W	14	W	17	W	16	W	16	W	15	W	15	W	16	W	17	W	13
17	NW	12	NW	16	NW	11	NW	13	NW	12	NW	13	NW	14	NW	19	W	25	W	18	W	20	W	19	W	20	W	22	W	21
18	W	6	W	4	W	6	W	8	W	8	W	6	W	6	W	5	W	11	W	14	SW	17	SW	17	SW	17	SW	18	SW	17
19	W	3	W	5	W	4	W	5	W	4	Calma	1	NW	5	NW	6	NW	13	NW	10	NW	13	W	12	W	12	W	8	W	6
20	NW	6	NW	8	NW	10	NW	8	NW	7	NW	8	NW	13	NW	18	NW	27	NW	23	N	24	N	24	N	21	N	20	NE	15
21	Calma	1	SW	3	SW	6	SW	7	SW	2	S	2	S	3	SW	2	SW	2	W	4	W	6	W	6	W	9	W	8	W	11
22	S	9	S	8	S	7	S	4	S	2	Calma	1	Calma	1	SE	6	SE	11	S	8	S	5	SE	6	E	4	E	6	E	9
23	E	9	E	8	E	9	E	11	E	12	E	12	E	14	NE	18	NE	20	NE	24	NE	26	NE	24	NE	25	NE	26	NE	31
24	S	9	SE	9	SE	6	W	3	W	6	W	6	W	7	W	9	SW	19	SW	15	SW	16	SW	23	SW	22	SW	23	SW	19
25	SW	4	SW	3	Calma	1	Calma	1	Calma	0	Calma	0	SW	3	S	4	S	7	S	6	S	5	S	7	S	5	S	6	S	8
26	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	S	2	S	4	S	2	S	5	S	4	S	3	SW	3	NW	3	SW	5	S	3
27	E	11	E	10	E	10	E	10	E	12	E	11	E	12	E	18	E	15	E	14	E	15	E	21	E	20	E	23	E	25
28	E	21	E	22	E	18	E	14	NE	5	S	3	SE	7	SE	7	E	7	E	11	E	a/R	NE	a/R	NE	a/R	N	a/R	N	8
29																														
30																														
31																														
DIRECCION PREVALENTE	E		S		S		S		NE-S		S		S		S		S		S		S		W		W		W		NW-S	
NÚMERO DE HORAS	7		6		7		7		6		7		8		8		7		9		7		6		6		6		6	
PROM. HOR. DE LA VELOCIDAD		7		8		8		8		7		6		7		9		12		12		12		14		14		13		

15 – 16		16 – 17		17 – 18		18 – 19		19 – 20		20 – 21		21 – 22		22 – 23		23 – 24		PREVALENCIA DIARIA		PROMEDIO DIARIO DE VELOCIDAD	VELOCIDAD INSTANTÁNEA		
DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIRECCIÓN	NÚMERO DE HORAS		VELOCIDAD	DIRECCIÓN	HORA
S	11	S	10	S	10	Calma	1	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	S	8	8	40	E	11.49
N	17	N	16	NE	13	NE	8	NE	5	NE	2	NE	5	NE	3	NE	5	NE	9	6	25	NE	15.05
NW	29	NW	17	S	9	S	6	S	2	S	3	SE	3	E	6	E	6	N	10	14	53	N	12.01
S	14	E	8	E	4	S	3	Calma	0	E	6	SE	8	S	3	S	3	S	9	5	25	S	6.07
S	12	S	9	S	7	S	3	S	4	S	3	S	5	S	3	S	3	S	19	5	37	S	15.17
S	7	S	6	Calma	1	Calma	1	NW	4	NE	5	N	5	N	4	NW	4	S	15	4	26	S	12.12
SW	8	W	6	W	7	W	3	NW	6	NW	5	NW	6	NW	5	S	5	NW	14	7	25	W	9.42
E	15	E	16	E	14	SE	11	SE	9	SE	8	SE	6	SE	4	SE	3	SE	12	9	34	E	14.02
NE	12	E	14	E	14	E	13	E	12	E	10	E	11	E	10	E	7	E	11	11	34	NE	8.52
NE	15	NE	14	E	14	E	12	E	8	E	6	E	5	E	7	NE	9	NE	17	11	29	NE	12.20
NE	15	NE	19	NE	13	E	10	E	10	E	10	E	9	E	5	E	7	NE	18	11	34	NE	16.17
NE	7	NE	18	NE	16	NE	8	NE	8	NE	10	E	5	E	2	Calma	0	N	14	10	32	NE	16.24
S	16	S	17	S	17	S	15	S	15	S	16	S	15	S	12	S	14	S	23	13	45	S	15.48
SE	16	SE	14	SE	14	SE	14	SE	15	SE	12	SE	12	SE	11	SE	9	SE	14	13	48	SE	10.26
NE	12	E	12	N	8	N	8	SW	8	W	6	W	12	W	11	W	10	SE	9	10	34	W	21.30
W	13	W	13	W	11	W	6	W	5	NW	8	NW	10	NW	11	NW	13	W	20	13	48	W	8.24
W	19	W	15	W	12	SW	9	W	8	SW	6	SW	4	W	6	W	7	W	12	14	52	W	14.24
SW	15	SW	14	SW	10	SW	4	Calma	1	Calma	1	W	2	W	3	W	3	W	13	9	40	SW	13.12
NW	10	NW	8	N	11	N	8	N	8	N	8	N	8	N	6	N	5	W	9	7	28	NW	11.18
N	16	N	13	NW	14	W	6	SW	6	SW	3	SW	6	SW	8	S	2	NW	11	13	-	-	-
W	11	SW	12	SW	9	SW	7	SW	8	S	11	S	13	S	11	S	7	SW	10	7	-	-	-
E	7	E	7	E	11	E	9	E	9	E	9	E	8	E	12	E	9	E	12	7	-	-	-
NE	27	NE	21	NE	19	NE	13	NE	10	NE	15	NE	14	NE	15	SW	22	NE	16	18	-	-	-
SW	21	SW	17	SW	14	SW	7	SW	5	SW	4	SW	2	W	4	W	3	SW	14	11	-	-	-
S	5	S	5	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	Calma	11	3	-	-	-
S	4	NE	9	E	10	E	6	E	6	SE	6	SE	6	SE	9	E	8	S	8	4	-	-	-
E	21	E	23	E	23	E	17	E	14	E	18	E	21	E	23	E	25	E	24	17	-	-	-
N	5	NW	6	SW	4	SW	3	S	4	Calma	0	Calma	1	Calma	0	SW	2	E	7	7	-	-	-
NE-S		E		E		E		E		E		E		E		E-S		PREVALENCIA MENSUAL		VELOCIDAD MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		Dirección	Horas		48 Km.		
6		6		7		6		6		6		6		7		6		S	136	9	DIRECCIÓN	DÍA	HORA
	14		13		11		8		7		7		7		7		7				N	3	de 14.00 a 14.10

FRECUENCIAS, KILÓMETROS RECORRIDOS Y VELOCIDAD MEDIA POR DIRECCIÓN

DÍAS	NORTE		NORESTE		ESTE		SUDESTE		SUD		SUDOESTE		OESTE		NOROESTE		Calma	TOTALES DIARIOS DE KILÓMETROS
	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	
1			5	67	4	42			8	69			1	6			6	185
2	2	33	9	59	2	11			4	14			4	22			3	142
3	10	204	5	53	2	12	1	3	4	20					2	46		338
4					8	57	6	37	9	36							1	130
5									19	121							5	122
6	2	9	2	9					15	79					1	4	4	103
7									1	5	1	8	8	57	14	102		172
8					4	61	12	100	8	53								214
9			6	99	11	133	6	23									1	256
10			17	201	7	59												260
11			18	222	6	51												273
12	9	109	5	54	4	22											1	185
13									23	306							1	306
14							14	195	10	122								317
15	2	16	2	22	6	86	9	69			1	8	4	39				240
16													20	280	4	42		322
17											4	27	12	203	8	110		340
18											9	129	13	82			2	213
19	7	54											9	59	7	65	1	179
20	6	118	1	15					1	2	4	23	1	6	11	142		306
21									6	47	10	57	7	55			1	160
22					12	100	3	23	7	43							2	168
23			16	328	7	75					1	22						425
24							2	15	1	9	14	207	7	38				269
25									10	58	3	10					11	71
26			1	9	4	30	3	21	8	27	2	8			1	3	5	98
27					24	412												412
28	2	13	1	5	6	93	2	14	2	7	3	9			1	6	3	148
29																		
30																		
31																		
SUMAS	40	556	88	1143	107	1244	58	500	136	1018	52	508	86	847	49	520	47	6354
% PREVAL POR VELOCIDAD	8.8		18.0		19.6		7.9		16.0		8.0		13.3		8.2		0.3	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	14		13		12		9		7		10		10		11		0	227

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1		2	7	2	6	1	4	3	3
1 - 2		4	4	4	6	2	4	3	1
2 - 3		4	4	4	7	1	3	3	2
3 - 4		5	3	2	7	1	4	3	3
4 - 5		6	2	2	6	1	4	3	4
5 - 6	1	4	2	2	7		3	3	6
6 - 7	2	3	2	2	8	1	3	4	3
7 - 8	2	4	1	3	8	1	3	4	4
8 - 9	2	4	3	3	7	2	3	3	1
9 - 10	2	4	4	1	9	1	4	3	
10 - 11	3	4	4	3	7	2	4	1	
11 - 12	3	5	3	4	4	3	6		
12 - 13	3	5	4	3	4	2	6	1	
13 - 14	4	4	5	2	4	3	6		
14 - 15	2	6	6	1	6	2	5		
15 - 16	3	6	4	1	6	3	3	2	
16 - 17	2	5	6	1	5	3	3	3	
17 - 18	2	4	7	1	4	4	3	1	2
18 - 19	2	3	6	2	4	5	3		3
19 - 20	1	4	6	2	4	5	1	1	4
20 - 21	1	4	6	3	4	3	1	2	4
21 - 22	2	2	6	5	3	3	2	2	3
22 - 23	2	2	7	3	4	1	4	2	3
23 - 24	1	2	6	2	6	2	4	2	3
SUMAS	40	96	106	58	136	52	86	49	49
% de frec. por dirección	6.0	14.3	15.8	8.6	20.2	7.7	12.8	7.3	7.3

NUBES. VISIBILIDAD

DÍAS	N U B E S										VISIBILIDAD		
	8h		12h		14h		18h		20h		8h	14h	20h
	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	90 - 99		
1	Ns	8	Ns	8	Fra.	8	Ci	1	Claro	0	95	97	99
2	Claro	0	Ci	1	Claro	0	Claro	0	Claro	0	6	8	8
3	Ci Cs	6	As	6	Cu	6	Sc 7 As 1	8	Cb	7	9	9	9
4	Fra.	8	Ns	8	Sc	8	Sc	8	Sc	7	7	7	6
5	Fra.	8	Cs	7	Cu 2 Cs 4	6	Ac	6	Ac	8	7	8	8
6	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	9	8
7	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	8
8	Claro	0	Claro	0	Cu	3	Claro	0	Claro	0	8	8	8
9	Ac	3	Cu	6	Cu	3	Claro	0	Claro	0	7	7	7
10	Claro	0	Cu	7	Cu	4	Ci	1	Claro	0	8	8	8
11	Ci	7	Cu 3 Ci 2	5	Ci	5	Ci	4	Cb	1	8	8	7
12	Cu	1	Ci 1 Cu 3	4	Cu	5	Cu 1 Ci 4	5	Cs	5	9	9	7
13	Ns	8	St	8	Sc	7	Sc	8	Sc	8	7	7	7
14	St	8	St	8	St	8	St	8	St	8	7	7	7
15	St	8	Ns	8	Ns	8	Ns	8	Sc	7	3	4	5
16	Sc	8	Cu	3	Cu	3	Cu	4	Claro	0	8	8	8
17	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	9	9
18	Ac As	3	Ci	3	Claro	0	Cu	1	Claro	0	8	9	9
19	Claro	0	Claro	0	Cu	3	Cu	1	Claro	0	8	8	7
20	Ci	4	Ci	3	Cu	6	Cc	6	As	8	7	7	6
21	As	1	St	7	Ac	4	Claro	0	Claro	0	5	8	7
22	Claro	0	Claro	0	Cu	1	Ci	1	Claro	0	7	7	7
23	Claro	0	Claro	0	Ci	5	Ci	5	Cb	5	7	7	6
24	Ac	3	Claro	0	Claro	0	Claro	0	Claro	0	7	8	7
25	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	8	7
26	Ac	3	Claro	0	Cu	1	Cu	1	Claro	0	7	7	6
27	Claro	0	Claro	0	Claro	0	Ci	1	Claro	0	8	8	8
28	Ns	8	St	8	St	8	St	8	St	8	5	7	9
29													
30													
31													
Prom.		3		4		4		3		3			

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9				8	0	3	LL.
	10				8	0	3	LL.
1	12				8	0	3	Am.
	14				8	0	3	Am.
	15				8	0	3	Am.
	9	47.6	30.1	1.42	0	5	3	B.
	10	49.9	31.7	1.48	0	5	4	B.
2	12	53.2	34.4	1.53	1	5	5	
	14	52.5	34.4	1.47	1	5	4	
	15	50.2	33.2	1.38	2	5	5	
	9	30.5	25.0	0.45	6	0	5	
	10	35.0	28.0	0.57	6	0	5	
3	12	56.0	36.0	1.63	3	5	5	
	14	47.7	34.4	1.08	6	3	5	
	15	51.3	35.2	1.31	6	3	5	
	9				8	0	3	LL.
	10				8	0	3	LL.
4	12				8	0	4	LL.
	14				8	0	4	Am.
	15	34.1	25.2	0.72	8	0	5	
	9	33.7	23.2	0.85	7	1	5	
	10	43.1	26.5	1.35	8	1	5	
5	12	45.0	28.2	1.36	7	4	5	
	14	52.9	31.5	1.74	6	0	5	
	15	37.5	27.2	0.84	7	0	5	
	9	44.2	25.0	1.56	0	5	5	
	10	46.6	26.7	1.62	0	5	5	
6	12	49.4	29.2	1.64	0	5	5	
	14	49.6	30.2	1.58	0	5	5	
	15	48.5	30.1	1.50	0	5	5	
	9	46.4	28.0	1.50	0	5	5	
	10	49.5	30.6	1.54	0	5	5	
7	12	52.3	33.0	1.57	0	5	5	
	14	53.5	34.1	1.58	0	5	5	
	15	52.5	33.5	1.54	0	5	5	
	9	43.5	25.0	1.50	0	5	5	
	10	46.0	26.6	1.58	0	5	5	
8	12	48.5	29.3	1.56	1	5	5	
	14	50.6	30.5	1.63	3	5	5	
	15	34.5	24.6	0.80	5	5	4	
	9	45.7	27.5	1.48	2	5	5	
	10	46.8	27.6	1.56	4	5	5	
9	12	46.6	29.0	1.43	6	4	5	
	14	49.3	31.0	1.49	3	5	5	
	15	46.6	30.3	1.33	1	5	5	
	9	47.3	29.2	1.47	0	5	5	
	10	50.4	31.4	1.54	3	5	5	
10	12	54.5	35.2	1.57	7	5	5	
	14	51.6	33.2	1.50	4	5	5	
	15	50.4	33.2	1.40	4	5	5	
	9	50.4	30.8	1.59	6	5	5	
	10	51.4	32.0	1.58	6	5	5	
11	12	57.6	35.0	1.84	7	5	5	
	14	44.7	30.7	1.14	5	5	5	
	15	50.2	32.5	1.44	5	5	5	
	9	49.3	31.5	1.45	1	5	5	
	10	51.6	33.4	1.48	0	5	5	
12	12	42.3	30.0	1.00	6	4	5	
	14	55.4	36.0	1.58	5	5	5	
	15	55.4	37.4	1.46	4	5	5	
	9				8	0	4	Am.
	10				8	0	4	Am.
13	12				8	0	4	Am.
	14	42.3	22.4	1.62	7	3	4	
	15				7	0	4	Am.
	9				8	0	4	Am.
	10				8	0	4	Am.
14	12				8	0	4	Am.
	14				8	0	4	Am.
	15				8	0	4	Am.
	9				8	0	3	Am.
	10				8	0	4	Am.
15	12				8	0	4	Am.
	14				8	0	0	LL.
	15				8	0	0	LL.
	9	40.2	22.1	1.47	7	5	4	
	10	42.2	23.5	1.52	6	5	5	
16	12	46.2	26.5	1.60	2	5	5	
	14	46.0	27.2	1.53	3	5	5	
	15	44.7	25.4	1.57	4	4	5	
	9	43.5	26.8	1.36	0	5	5	
	10	47.4	28.6	1.53	0	5	5	
17	12	49.4	30.2	1.56	0	5	5	
	14	48.6	31.3	1.41	0	5	5	
	15	48.6	30.7	1.46	0	5	5	
	9	47.2	27.7	1.58	2	5	5	
	10	48.8	29.4	1.58	2	5	5	
18	12	50.0	30.5	1.58	0	5	5	
	14	50.1	31.5	1.51	0	5	5	
	15	48.9	31.3	1.43	0	5	5	
	9	47.6	29.8	1.45	0	5	5	
	10	50.6	32.3	1.49	0	5	5	
19	12	53.4	35.2	1.48	1	5	5	
	14	55.4	37.4	1.46	3	5	5	
	15	53.3	36.2	1.39	4	5	5	
	9	49.4	34.4	1.22	4	5	5	
	10	51.2	36.0	1.24	5	5	5	
20	12	54.4	38.1	1.33	5	5	5	
	14	42.4	25.1	1.41	6	5	5	
	15	41.9	25.0	1.37	5	5	5	
	9	31.3	15.3	1.30	7	4	4	
	10	32.6	16.5	1.31	8	4	4	
21	12	44.7	21.7	1.87	7	4	5	
	14	44.9	22.2	1.84	4	5	5	
	15	48.1	34.1	1.14	1	5	5	
	9	43.0	27.0	1.30	0	5	5	B.
	10	43.7	28.4	1.24	1	5	4	B.
22	12	45.8	30.4	1.25	1	5	5	
	14	45.2	30.9	1.16	1	5	5	
	15	43.1	30.6	1.02	1	5	5	
	9	45.3	20.5	-	0	5	5	
	10	48.3	22.5	-	0	5	5	
23	12	51.2	25.7	-	0	5	5	
	14	46.4	25.3	1.72	5	5	5	
	15	46.3	25.4	1.70	5	5	5	
	9	43.7	17.3	-	1	5	5	
	10	45.6	19.0	-	0	5	5	
24	12	46.4	19.2	-	0	5	5	
	14	43.1	18.8	-	0	5	5	
	15	41.8	17.8	-	0	5	5	
	9	40.4	21.6	1.53	0	5	5	
	10	43.8	23.5	1.65	0	5	5	
25	12	45.6	25.6	1.63	0	5	5	
	14	44.3	26.2	1.47	0	5	5	
	15	42.4	25.9	1.34	0	5	5	
	9	42.5	24.0	1.50	1	5	5	
	10	45.0	26.0	1.54	0	5	5	
26	12	47.5	28.0	1.58	1	5	5	
	14	46.7	28.9	1.45	1	5	5	
	15	46.5	28.5	1.46	2	5	5	
	9	42.5	24.6	1.46	0	5	5	
	10	45.4	26.3	1.55	0	5	5	
27	12	47.0	28.0	1.54	0	5	5	
	14	45.8	28.4	1.41	0	5	5	
	15	43.8	27.8	1.30	0	5	5	
	9				8	0	3	LL.
	10				8	0	4	Z.
28	12				8	0	4	Z.
	14				8	0	4	Am.
	15				8	0	5	Am.
	9							
	10							
29	12							
	14							
	15							
	9							
	10							
30	12							
	14							
	15							
	9							
	10							
31	12							
	14							
	15							

HELIOFANÍA

DÍAS \ HORAS	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H.EFECTIVA	H.TEÓR.ASTRON	H.RELATIVA
1										0.3	1.0	1.0	1.0	0.7	4.0	13.6	29
2	0.2	1.0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	12.6	13.6	93
3	0.4	0.8	0.8	0.2			1.0	1.0	1.0	0.8	0.2				6.2	13.6	46
4															0.0	13.6	00
5					0.5	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.3		7.6	13.5	56
6	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	12.9	13.5	96
7	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.8	13.5	95
8	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.2	12.3	13.4	92
9		0.8	1.0	1.0	1.0	1.0	1.0	0.8	1.0	1.0	1.0	1.0	1.0	0.2	11.8	13.4	88
10		0.4	1.0	1.0	1.0	0.8	0.8	1.0	1.0	1.0	1.0	0.8	0.8	0.2	10.8	13.4	81
11		0.8	0.8	0.8	0.9	0.8	0.8	0.8	1.0	1.0	1.0	0.8	0.8	0.2	10.5	13.3	79
12	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	1.0	0.7		11.5	13.3	86
13									[illegible]	0.1					0.4	13.3	03
14															0.0	13.2	00
15															0.0	13.2	00
16		0.2	0.7	1.0	[illegible]	1.0	1.0	1.0	[illegible]			0.8		0.6	9.3	13.2	70
17	0.1	1.0	1.0	[illegible]	[illegible]	1.0	1.0	1.0	[illegible]			1.0	1.0	0.5	12.6	13.1	96
18		0.8	1.0	[illegible]	[illegible]	1.0	1.0	1.0	1.0		.0	1.0	1.0	0.5	12.3	13.1	94
19	0.3	1.0	1.0	[illegible]	[illegible]	[illegible]	1.0	1.0	1.0			1.0	1.0	0.3	12.6	13.1	96
20		0.6	1.0	1.0	[illegible]		1.0	1.0	0.8	0.3			0.1		7.8	13.0	60
21							[illegible]	0.8	1.0	1.0	1.0	1.0	1.0	0.2	7.0	13.0	54
22	0.1	1.0	1.0	1.0	1.0	[illegible]	[illegible]	1.0	1.0	1.0	1.0	0.8	1.0	0.1	12.0	13.0	92
23	0.1	1.0	1.0	1.0	1.0	[illegible]	[illegible]	1.0	1.0	1.0	1.0	1.0	1.0		12.1	12.9	94
24			1.0	1.0	1.0	[illegible]	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.0	12.9	85
25		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.5	0.1		10.1	12.9	78
26		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3		10.8	12.8	84
27		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.8	12.8	92
28															0.0	12.8	00
29																	
30																	
31																	
Medias	0.1	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.2	8.7	13.2	66

GEOTEMPERATURA

DÍAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h
1	24.7	24.5	24.6	24.5	23.6	24.2	23.6	23.6	22.8	23.7	23.2	23.0	26.0	26.0	25.8
2	22.5	28.6	24.6	22.3	26.0	25.2	22.0	22.6	23.4	22.8	22.6	23.2	25.6	25.4	25.4
3	23.2	27.0	25.8	23.0	24.6	25.0	22.4	22.6	23.2	23.1	22.9	23.1	25.6	25.5	25.5
4	23.8	23.7	24.0	23.4	23.1	23.5	22.5	22.1	22.2	23.0	22.7	22.6	25.5	25.5	25.3
5	23.0	26.3	24.2	22.6	24.6	24.1	21.8	22.1	22.6	22.4	22.4	22.6	25.1	25.1	25.1
6	21.1	26.6	24.0	21.3	24.5	24.0	21.6	21.8	23.7	22.6	22.2	22.6	25.2	25.0	25.0
7	21.4	27.2	24.8	21.4	24.7	24.4	21.4	21.7	22.6	22.2	22.1	22.5	25.1	25.0	24.9
8	21.8	26.8	23.8	22.0	24.7	23.9	21.8	22.0	22.0	22.6	22.2	22.1	25.0	25.0	24.9
9	21.2	25.6	23.8	21.4	23.8	23.6	21.2	21.5	22.2	22.2	22.0	22.2	25.0	24.8	24.8
10	22.2	26.4	24.6	22.0	24.6	24.2	21.6	22.0	22.6	22.2	22.2	22.4	24.9	24.9	24.9
11	23.0	27.0	25.0	22.7	25.1	24.6	22.0	22.4	22.9	22.4	22.4	22.8	25.1	25.0	25.0
12	23.8	28.5	26.4	23.3	26.0	25.6	22.4	23.0	22.6	22.8	22.8	22.4	25.3	25.3	25.4
13	23.9	24.5	23.2	23.8	23.9	23.3	23.0	22.7	22.5	23.3	23.1	22.9	25.6	25.6	25.5
14	21.2	22.0	21.9	21.5	21.8	21.7	21.3	21.1	21.0	22.3	22.0	21.7	25.3	25.0	24.8
15	21.4	22.4	22.1	21.5	21.8	21.6	20.6	20.6	20.5	21.4	21.3	21.1	24.5	24.4	24.1
16	20.7	24.2	22.4	20.6	24.2	22.2	20.1	20.3	20.9	20.9	20.8	21.0	24.0	23.9	23.8
17	20.5	25.1	23.0	20.5	23.0	22.5	20.1	20.3	21.1	21.0	20.8	21.2	24.0	23.9	23.8
18	20.3	24.9	23.0	20.5	23.0	22.8	20.1	20.4	21.0	21.0	21.0	21.2	23.9	23.9	24.8
19	20.3	25.8	24.2	20.4	23.5	23.5	20.2	20.7	21.4	21.2	21.0	21.6	24.0	23.9	25.9
20	22.3	26.4	24.8	21.9	24.3	24.1	21.1	21.6	22.2	21.7	21.7	22.0	24.3	24.3	24.2
21	22.3	24.7	22.3	22.5	23.5	22.2	21.5	21.6	21.9	22.0	21.9	22.0	24.6	24.5	24.5
22	20.4	24.2	22.5	20.8	23.0	22.4	20.8	20.8	21.2	21.7	21.4	21.4	24.5	24.3	24.2
23	21.1	25.1	24.0	21.0	23.2	23.1	20.6	20.9	21.4	21.4	21.4	21.6	24.3	24.3	24.2
24	21.3	24.2	21.6	21.1	22.9	21.9	20.6	20.8	20.8	21.3	21.3	21.3	24.2	24.1	24.0
25	18.2	22.5	21.0	18.9	21.4	21.1	19.5	19.5	20.0	20.8	20.4	20.6	23.9	23.7	23.5
26	18.8	23.0	21.8	19.2	21.6	21.5	19.2	19.5	20.2	20.3	20.2	20.5	23.5	23.4	23.3
27	20.1	23.2	21.8	20.1	21.9	21.6	19.7	19.9	20.3	20.3	20.5	20.4	23.5	23.5	23.4
28	20.8	21.9	21.8	20.6	20.7	21.2	19.9	19.8	19.7	20.6	20.2	20.4	23.5	23.4	23.3
29															
30															
31															
Prom.	21.6	25.1	23.5	21.6	23.5	23.2	21.2	21.4	21.8	21.9	21.7	21.9	24.7	24.6	24.6

LLUVIA, ESTADO DEL SUELO, ETC...

DÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en %						Freatímetro
	50 cm.	1.50 m.	7 m.	18 m.		8^h	14^h	20^h	Total	Punto	7 cm.	15 cm.	30 cm.	60 cm.	1 m.	
1	11.3	11.1	11.0	11.0	2	2.0	0.2	0.5	1.0	-	-	-	-			9945
2	19.3	21.1	21.1	19.0	1	0.3	2.0	2.6	5.9							9947
3					1	1.3	2.4	1.8	4.4							9952
4	20.7	20.6	20.1	20.0	2	0.2	0.2	0.4	0.9							9956
5	11.9	12.5	12.3	12.0	2	0.3	1.4	1.0	4.6							9942
6					0	2.2	2.0	2.0	4.7	Ñ.10	21.6	19.9	24.6			9945
7					0	0.7	2.9	2.0	5.9							9947
8					0	1.0	2.0	1.6	4.2							9948
9					0	0.6	2.4	2.1	5.7							9955
10					0	1.2	2.3	0.5	4.2							9955
11					0	1.4	1.8	1.7	4.6	Ñ.11	12.5	14.6	23.2			9960
12					0	1.1	2.2	2.2	5.1							9965
13					1	0.7	0.5	1.8	3.5							9968
14					0	1.2	0.5	0.6	1.5							9965
15	1.0	1.8	1.0	2.3	2	0.4	0.3	0.2	1.0							9985
16	55.5	57.6	45.1	48.7	1	0.5	1.4	1.3	4.0	Ñ.10a	20.6	19.5	24.5			9922
17					0	1.3	2.8	2.9	6.6							9835
18	0.0	0.0	0.0	0.0	0	0.9	2.5	2.2	5.2							9846
19					0	0.5	3.0	2.8	7.0							9865
20					0	1.2	3.9	1.9	6.4							9875
21					0	0.6	1.2	2.5	4.5	Ñ.11a	17.2	15.8	19.2	18.1	14.8	9887
22					0	0.8	1.9	2.0	4.9							9890
23					0	1.0	3.1	3.3	7.4							9910
24	23.0	23.2	23.0	19.3	1	1.0	2.6	2.4	5.8							9928
25					0	0.8	1.5	1.5	3.5							9940
26					0	0.5	1.7	1.5	4.4	Ñ.12	15.8	16.6	19.8			9954
27					0	1.2	2.3	3.0	7.8							9959
28	7.1	6.7	6.7	6.8	2	2.5	0.2	0.2	0.6							9968
29																
30																
31																
Prom.	149.8	154.6	140.3	139.1	-	0.9	1.8	1.7	4.4	-	-	-	-	-	-	9933

0.50 m.			1 m.			2 m.	3 m.	Temper. Mínima de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos
8^h	14^h	20^h	8^h	14^h	20^h	8^h	8^h		
24.8	24.9	24.8	23.5	23.5	23.5	21.1	-	20.0	Cn. m. y t., Ca. t. y n., LL. m., r. n.
24.6	24.5	24.4	23.5	23.5	23.6	21.3	-	13.5	Ca. m. t. y n., Ne.r. m., B. t., r. n.
24.5	24.5	24.4	23.7	23.7	23.7	21.3	-	14.1	Cn. m. t. y n., Ru. t., r. n.
24.4	24.5	24.4	23.7	23.7	23.7	21.4	-	20.4	Cn. m. t. y n.
24.1	24.2	24.1	23.8	23.8	23.8	21.3	-	17.5	Cn. m. t. y n.
24.0	24.2	24.1	23.9	23.9	23.5	21.2	-	-	Ca. m. t. y n., r. m. y n.
24.0	21.4	23.9	23.5	23.5	23.4	21.3	-	10.5	Ca. m. t. y n., r. m. y n.
24.0	24.0	23.9	23.4	23.5	23.4	21.4	-	10.5	Ca. m. t. y n., r. m., Ne. t.
24.1	24.1	23.9	23.6	23.3	23.4	21.4	-	8.8	Ca. m. t. y n., r. m.
24.0	24.2	24.0	23.3	23.3	23.3	21.4	-	14.5	Cn. m., Ca. t. y n., r. m.
24.2	24.2	24.2	23.4	23.4	23.5	21.4	-	14.5	Cn. m. y t., Ca. n.
24.4	24.5	24.5	23.4	23.4	23.5	21.4	-	16.9	Ca. m., Cn. t. y n.
24.6	24.7	24.5	23.4	23.4	23.4	22.4	-	17.8	Cn. m. t. y n.
24.4	24.3	24.1	23.4	23.4	23.4	21.5	-	12.4	Cn. m. t. y n., Z.B. t.
23.7	23.6	23.3	23.4	23.4	23.4	21.5	-	15.9	Cn. m. t. y n., N.Z. m., LL. m. y n., Z. t.
22.9	23.0	22.7	23.4	23.2	23.9	21.6	-	13.7	Cn. m., Ca. t. y n., r. n.
23.5	23.0	22.8	23.0	23.1	23.1	21.5	-	11.3	Ca. m. t. y n., r. m. y n., Ne. t., Jl. n.
23.0	23.0	23.0	23.0	23.2	23.0	21.5	-	8.6	Ca. m. t. y n., CH. m., r. n.
23.1	23.1	23.0	23.0	22.9	22.9	21.5	-	8.8	Ca. m. t. y n.
23.3	23.3	23.3	22.8	22.9	22.9	21.5	-	13.5	Ca. m., Cn. t. y n., r. m.
23.5	23.6	23.6	22.8	23.0	23.0	21.5	-	11.0	Cn. m., Ca. t. y n., dv.Ne. m.
23.5	23.7	23.7	22.8	23.0	22.9	21.5	19.5	6.9	Ca. m. t. y n., B.r. m.
23.4	23.5	23.4	22.9	22.9	23.0	21.5	19.7	13.0	Ca. m., Cn. t. y n., R. n.
23.3	23.3	23.2	22.9	22.9	22.7	21.5	19.6	13.8	Ca. m. t. y n., r. n.
23.2	23.2	23.8	22.7	22.9	22.7	21.5	19.5	6.0	Ca. m. t. y n., r. m. y n., B. t.
22.9	22.9	22.7	22.7	22.7	22.7	21.5	19.5	6.7	Ca. m. t. y n., r. m., B. t.
22.8	22.8	22.6	22.7	22.7	22.7	21.5	19.7	11.4	Ca. m. t. y n.
22.7	22.8	22.7	23.0	22.9	23.0	21.5	19.7	15.5	Cn. m. t. y n., LL. m.
23.8	23.7	23.7	23.2	23.2	23.2	21.4	-	12.9	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESIÓN ATMOSFÉRICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANÍA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mm. mb.	mm. mb.			mm. mb.			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	57.7	63.5	8	21-22	48.4	3	16-17	20.9	26.3	15.6	30.3	3	15-16	10.8	6	6	9.1	13.5	68
2ª	56.1	63.2	14	8	49.9	20	16,17	20.5	25.6	15.7	31.7	12, 19	14-15	12.6	18	5	7.7	13.2	58
3ª	55.7	63.1	26	7-8	45.2	23	19,20,21	18.2	23.4	12.0	29.2	23	14-15	5.9	25	6	9.4	12.9	72
MES	56.5	63.5	8	21-22	45.2	23	19,20,21	20.0	25.2	14.6	31.7	12, 19	14-15	5.9	25	6	8.7	13.2	66

DÉCADA	HUMEDAD DEL AIRE								VIENTO									LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas				Instantáneas								
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Velocidad Máxima	Dirección	Día	Hora	Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	%	%		%		mm. mb.	mm. mb.	mm. mb.		Km/h	Km/h		Km/h			Km/h				mm.	mm.		mm.		
1ª	73	98	4,9	26	2	12.9	19.0	6.2	S	6	48	3	29	3	12-13 14-15 15-16	53	N	3	12.01	65.3	20.6	4	9.0	1	5-6
2ª	73	97	15	31	18	12.7	19.0	8.0	W	11	42	20	27	20	8-9	52	W	17	14.24	59.4	57.6	16	14.5	15	17-18
3ª	68	100	25	28	24	10.1	16.0	4.6	E	13	42	23	31	23	14-15	-	-	-	-	29.9	23.2	24	17.8	23	23-24
MES	72	100	25	26	2	12.0	19.0	4.6	S	8	48	3	31	23	14-15	-	-	-	-	154.6	57.6	16	17.8	23	23-24

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACIÓN							VIENTO - TORM. ELÉCT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1ª	5	1	1	-	-	-	-	3	-	-	-	-	-	-	-	1	-
2ª	3	1	1	1	-	-	-	1	2	-	1	-	-	-	-	-	-
3ª	1	2	2	-	-	-	-	2	-	-	1	-	-	-	-	-	1
MES	9	4	4	1	-	-	-	6	2	-	2	-	-	-	-	1	1

DÉCADA	FENÓMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Congelada blanda	Congelada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
1ª	8	-	-	-	-	-	-	-	-	-	-	8	2	-	5	-
2ª	4	-	-	-	-	-	-	-	1	-	-	7	3	-	6	-
3ª	4	-	-	-	-	-	-	-	-	-	-	7	1	-	2	-
MES	16	-	-	-	-	-	-	-	1	-	-	22	6	-	13	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VI — MARZO 1951 — Nº 3

RESUMEN MENSUAL

Comienza el mes con días claros y con valores térmicos y de la tensión del vapor próximos a los importes medios normales, hasta que al promediar el tercer día, la rotación del viento del sector N al S pasando por el W acusa el pasaje de un frente. La presión sufre un ascenso de 10.0 mm en 24 hs, la temperatura y la tensión descienden bruscamente; se cubre el cielo y cae una llovizna imperceptible. Vuélvese a despejar y la temperatura acentúa su descenso. En los días subsiguientes el tiempo no experimenta cambios apreciables, hasta la llegada de una aeromasa polar la tarde del 9; en una zona de perturbación se eleva la tensión del vapor y caen chaparrones esa misma tarde y lluvias en la mañana del 10. Termina la década con cielo cubierto y viento soplando desde el sector S.

En condiciones similares se suceden días claros con algunas neblinas por la noche. El 15 una aeromasa tropical avanza sobre la zona del Río de la Plata, cúbrese el cielo, suben rápidamente la temperatura y tensión del vapor, mientras en la madrugada del 16 la presión alcanza su valor mínimo mensual con 746.2 mm. Este mismo día un frente frío desplaza la masa de aire tropical hacia el NE; el viento sopla del cuadrante SE y el cielo permanece cubierto durante todo el día produciéndose tormentas eléctricas y lluvias. El 17 despeja con marcado descenso de la temperatura, la humedad relativa es sólo del 21% y la tensión del vapor alcanza nuevamente el valor mínimo del mes con 4.6 mm. Finaliza la década en condiciones tropicales; la temperatura aumenta bruscamente, sopla viento del sector N, el cielo se cubre en la tarde del 20, registrándose entonces la máxima de la tensión del vapor con 18.5 mm.

La situación reinante el día 20 persiste al comenzar la tercera década; el 21 regístrase la máxima mensual térmica con 31.0°C. Un frente frío avanza luego hacia el N; la presión aumenta paulatinamente hasta el 25 en que en un anticiclón que cubre la zona marca la máxima mensual con 765.8 mm. Luego buen tiempo hasta el 29, en que un nuevo frente frío torna inestables las condiciones reinantes; predomina el viento del SW, produciéndose algunas lluvias.

La comparación estadística de los promedios mensuales entregan para los principales elementos del mes desviaciones francamente negativas.

POTENCIAL ATMOSFÉRICO en V/M.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	83	55	34	21	21	55	83	138	138	186	117	76	62	55	48
2	110	69	62	97	83	97	110	41	28	21	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	41	41	48	55	62	55	55	83	83	69	28	41	55	69	69
5	48	48	69	90	83	83	97	138	213	186	159	166	166	131	124
6	48	48	55	62	-	-	-	145	117	166	110	110	117	138	138
7	-	-	-	34	34	34	62	145	138	152	131	104	110	97	90
8	76	83	83	97	97	104	110	138	145	152	159	145	124	117	110
9	55	41	55	62	69	76	131	110	131	83	83	62	55	28	55
10	69	83	97	90	55	21	90	186	48	28	-90	97	69	131	97
11	69	55	34	48	41	28	41	48	62	55	41	28	62	62	69
12	104	69	97	55	41	41	55	131	179	179	145	124	124	104	76
13	48	28	41	41	34	48	62	90	104	83	34	7	7	21	-14
14	14	14	21	21	41	34	48	69	76	69	55	28	28	21	28
15	62	34	41	34	28	62	28	97	200	138	48	- 7	28	34	34
16	55	83	55	28	34	34	55	- 7	-104	-181	-76	-83	-28	-76	-76
17	69	62	48	41	55	55	76	110	104	110	97	69	69	69	62
18	41	55	48	62	131	76	117	172	200	179	138	166	166	124	97
19	39	41	62	91	70	53	48	60	97	83	83	69	76	76	69
20	62	62	62	62	48	48	69	110	97	104	90	-224	380	124	-69
21	110	117	124	145	226	138	131	193	265	124	110	117	90	62	55
22	41	48	48	48	48	62	62	104	117	131	117	104	90	76	55
23	48	55	48	41	90	83	90	138	179	131	117	104	104	90	76
24	48	69	55	62	21	34	117	310	420	443	328	193	48	145	117
25	34	48	55	62	48	48	97	131	110	152	179	179	152	110	110
26	110	97	90	69	83	69	104	166	138	179	166	179	172	186	152
27	69	76	55	55	69	83	131	166	97	110	97	83	76	69	76
28	55	41	14	28	41	34	76	69	55	69	69	62	83	62	62
29	48	28	34	34	34	48	48	124	48	55	55	41	34	62	14
30	97	110	117	159	200	179	246	414	291	193	166	172	159	131	117
31	28	76	69	76	83	97	90	76	-41	-210	7	28	41	41	14
Prom.	65.9	64.8	64.8	70.7	80.3	73.2	102.1	154.9	163.7	154.5	131.8	118.0	103.9	94.9	85.5

IONIZACIÓN DEL AIRE

DÍAS	COEFICIENTE DE DISPERSION "a" x 100								CONDUCTIBILIDAD "λ" .10⁻⁴							
	mañana				tarde				mañana				tarde			
	a^-	a^+	a^-+a^+	a^-/a^+	a^-	a^+	a^-+a^+	a^-/a^+	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-
1									1.01	1.00	2.01	1.01	0.92	1.24	2.16	0.74
2									0.95	0.95	1.90	1.00	1.17	1.08	2.25	1.08
3									1.03	1.10	2.13	0.94	1.07	1.26	2.33	0.85
4									0.53	0.60	1.13	0.88	1.08	0.86	1.94	1.26
5									0.32	0.34	0.66	0.94	0.42	0.36	0.78	1.17
6									0.54	0.45	0.99	1.20	0.96	0.99	1.95	0.97
7									0.42	0.45	0.87	0.93	1.47	1.51	2.98	0.97
8									0.52	0.52	1.04	1.00	1.49	1.16	2.65	1.28
9									0.76	0.97	1.73	0.78	1.07	1.09	2.16	0.98
10									0.85	0.87	1.72	0.98	1.11	1.44	2.55	0.77
11									1.42	0.87	2.29	1.63	1.14	1.03	2.17	1.11
12									0.55	0.52	1.07	1.06	0.55	0.99	1.54	0.56
13									1.30	1.26	2.56	1.03	0.61	0.43	1.04	1.42
14									0.75	0.43	1.18	1.74	0.59	0.51	1.10	1.16
15									0.98	1.14	2.12	0.86	0.78	0.75	1.53	1.04
16									1.16	1.28	2.44	0.91	-	-	-	-
17									1.01	1.07	2.08	0.94	0.87	0.79	1.66	1.10
18									0.56	1.00	1.56	0.56	1.03	0.73	1.76	1.41
19									0.82	0.51	1.33	1.61	1.43	1.51	2.94	0.95
20									1.57	1.47	3.04	1.07	0.80	1.26	2.06	0.63
21									0.71	0.63	1.34	1.13	1.14	0.96	2.10	1.19
22									0.65	0.57	1.22	1.14	1.00	0.98	1.98	1.02
23									0.97	1.06	2.03	0.92	1.06	0.69	1.75	1.54
24									0.31	0.29	0.60	1.07	0.32	0.29	0.61	1.10
25									0.57	0.54	1.11	1.06	0.48	0.43	0.91	1.12
26									0.66	0.60	1.26	1.10	0.76	0.69	1.45	1.10
27									0.83	0.83	1.66	1.00	0.73	0.59	1.32	1.24
28									0.66	0.71	1.37	0.93	0.67	0.60	1.27	1.12
29									0.84	0.72	1.56	1.17	0.78	0.75	1.53	1.04
30									0.63	0.73	1.36	0.86	1.01	1.14	2.15	0.89
31									0.78	1.09	1.87	0.72	0.82	0.86	1.68	0.95
Prom.									0.80	0.79	1.59	1.01	0.91	0.90	1.81	1.01

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplit.	Tipo de Curva
48	55	55	55	62	69	69	97	124	75.2	259	7	252	0
-	-	-	-	-	-	-	-	-		159	00	159	0*
-69	-152	-41	55	48	48	41	41	41		322	-358	680	2*
55	48	55	55	83	83	76	69	62	60.0	179	-14	193	1
117	76	97	90	117	76	28	62	28	103.8	252	-34	286	1
110	97	76	97	90	-	-	-	-		213	-28	241	1*
76	90	110	90	83	28	41	48	55		179	- 7	186	1*
110	124	138	145	172	159	145	90	62	120.2	239	28	211	0
90	110	138	104	138	110	97	83	69	84.8	200	- 7	207	1
55	48	62	83	83	55	41	34	62		304	-195	499	2
55	62	62	48	48	62	55	48	76		110	-21	131	2
83	97	117	138	90	55	69	69	55	95.7	272	7	265	0
21	34	34	21	34	28	41	- 7	7		138	-104	242	2
28	41	41	34	28	83	69	83	55		152	-28	180	2
41	34	41	48	69	48	28	14	28		246	-69	315	2
28	-90	110	-195	138	124	104	76	69		776	-824	1600	2
62	55	48	69	272	90	83	62	48	78.5	420	14	406	0
62	110	69	83	83	39	68	58	53	99.9	449	-76	525	1
69	76	90	124	159	207	138	179	110	90.4	333	-13	346	1
-21	41	69	41	76	97	186	124	110		711	-518	1229	2
62	55	48	48	48	48	41	41	41	101.6	345	-83	428	1
55	69	62	62	97	83	76	62	55	73.8	138	14	124	0
83	138	-253	117	124	-34	131	76	69		495	-771	1266	2
110	104	83	83	69	55	97	76	34	130.0	483	-21	504	1
131	145	172	213	186	152	117	69	55	114.8	259	00	259	0
145	186	172	179	159	97	110	159	104	136.3	259	41	218	0
55	97	117	110	97	55	55	76	83	85.7	226	7	219	0
76	90	62	69	124	159	90	97	69	69.0	272	-28	300	1
14	28	-14	48	55	55	41	62	83		179	-224	403	2
97	124	166	159	179	104	62	97	138	161.5	471	28	443	0
-18	-152	-21	-104	48	41	48	48	34		90	-648	738	2
83.9	95.4	99.4	105.0	125.6	96.5	83.6	60.2	70.0	97.9				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i" $.10^{-7}$ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
hora iones	hora λ a.m.	hora λ p.m.	a.m.	p.m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
110	83	55	5.56	3.96	559	287	846	1.95	2.87	0.78
-	-	-	-	-	914	815	1729	1.12	-	0.72
-	-	-152	-	-11.80	1069	343	1412	3.11	1.27	2.53
21	41	55	1.54	3.56	626	763	1389	0.82	1.38	0.79
159	166	76	3.65	1.98	612	343	955	1.78	0.32	-
117	104	90	3.43	5.85	228	559	787	0.41	-	2.46
131	104	97	3.02	9.64	714	400	1114	1.78	1.37	-
152	145	124	5.03	10.95	511	408	919	1.25	1.67	0.97
69	55	110	3.17	7.92	716	228	944	3.14	1.66	-
-167	117	48	6.71	4.08	461	253	714	1.82	-	-
48	14	62	1.07	4.48	716	895	1611	0.80	0.54	0.44
138	124	104	4.42	5.34	572	404	976	1.42	3.04	-
21	21	34	1.79	1.18	922	687	1609	1.34	0.86	2.54
41	34	41	1.34	1.50	744	815	1559	0.91	1.17	0.48
21	-34	28	2.40	1.43	800	903	1703	0.88	0.40	1.15
-69	-124	-83	-10.08	-	859	714	1573	1.20	3.30	0.84
97	83	55	5.75	3.04	710	846	1556	0.84	2.76	0.72
152	166	131	8.63	7.68	972	461	1433	2.11	0.67	1.34
62	76	83	3.37	8.13	670	572	1242	1.17	0.64	-
69	-21	62	-2.13	4.26	631	612	1243	1.03	-	-
110	124	55	5.54	3.85	662	916	1578	0.72	1.48	0.95
110	104	62	4.23	4.09	972	716	1688	1.36	0.90	0.85
110	104	152	7.04	8.87	716	859	1575	0.83	-	1.52
284	265	90	5.30	1.83	459	616	1075	0.74	0.49	1.37
179	201	159	7.44	4.82	716	572	1288	1.25	-	-
179	200	179	8.40	8.65	916	767	1683	1.19	0.95	0.78
97	90	110	4.98	4.84	815	972	1787	0.84	-	-
69	62	97	2.83	4.11	811	815	1626	1.00	1.09	0.73
48	41	14	2.13	0.71	815	859	1674	0.95	0.48	2.29
166	172	138	7.80	9.89	400	865	1265	0.46	-	0.90
- 7	28	-83	1.74	4.65	920	628	1548	1.46	0.86	0.34
87	88	66	3.66	4.46	716	642	1358	1.12	1.31	1.82

COMPONENTE NORTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	6.6	5.3	1.3	4.0	4.0	- 3.1	-11.0	-12.6	- 7.8	- 6.3	1.3	4.0	5.3
2	7.9	4.0	4.0	6.6	1.3	- 3.1	- 3.1	- 7.8	- 3.1	4.0	2.6	10.6	13.2
3	5.3	1.3	1.3	5.3	- 3.1	- 4.7	- 7.8	- 9.4	- 3.1	1.3	4.0	- 1.6	7.9
4	2.6	6.6	5.3	5.3	4.0	1.3	- 7.8	-11.0	-11.0	- 6.3	1.3	2.6	4.0
5	- 1.6	5.3	6.6	5.3	- 3.1	- 7.8	-12.6	-11.0	- 9.4	2.6	2.6	4.0	5.3
6	2.6	1.3	1.3	4.0	- 4.7	- 7.8	-14.1	-15.7	- 6.3	1.3	1.3	- 3.1	4.0
7	1.3	1.3	4.0	6.6	1.3	- 6.3	-14.1	-14.1	-17.3	- 4.7	- 3.1	7.9	- 3.1
8	5.3	7.9	5.3	4.0	- 4.7	- 7.8	- 6.3	- 7.8	- 3.1	1.3	- 3.1	2.6	1.3
9	4.0	4.0	6.6	4.0	- 1.6	- 4.7	- 6.3	- 7.8	- 3.1	0.0	2.6	1.3	2.6
10	9.2	7.9	11.9	10.6	1.3	1.3	- 1.6	- 6.3	- 1.6	- 1.6	6.6	13.2	10.6
11	1.3	10.6	4.0	1.3	1.3	4.0	- 1.6	-11.0	- 9.4	- 4.7	- 1.6	- 3.1	1.3
12	- 1.6	- 1.6	- 3.1	- 1.6	- 6.3	- 7.8	-11.0	-14.1	- 9.4	- 7.8	- 6.3	- 3.1	- 1.6
13	1.3	- 1.6	1.3	2.6	- 4.7	- 9.4	- 9.4	-11.0	-11.0	- 7.8	- 7.8	- 3.1	- 4.7
14	1.3	- 3.1	1.3	1.3	- 7.8	- 7.8	- 7.8	-12.6	- 9.4	- 6.3	- 3.1	- 3.1	- 1.6
15	1.3	1.3	- 4.7	1.3	-11.0	-12.0	-12.0	-12.0	- 9.4	- 6.3	- 7.8	- 1.6	1.3
16	- 3.1	- 1.6	- 4.7	2.6	- 9.4	-11.0	-11.0	- 9.4	- 7.8	- 6.8	- 6.8	- 3.1	2.6
17	1.3	- 1.6	- 3.1	- 1.6	- 3.1	- 1.6	-11.0	-15.7	-15.7	-11.0	- 6.2	- 1.6	- 1.6
18	- 6.3	- 3.1	0.0	- 3.1	- 6.3	- 7.8	-11.0	-20.4	-12.6	- 6.3	- 4.7	- 1.6	- 4.7
19	0.0	2.6	2.6	2.6	- 7.8	-11.0	-12.6	-11.0	- 9.4	-12.6	- 1.6	- 1.6	2.6
20	-	-	-	-	-	-	-	-	-11.0	- 4.7	- 4.7	- 1.6	1.3
21	1.3	1.3	1.3	4.0	- 3.1	- 6.3	- 6.3	- 6.3	- 7.8	- 4.7	1.3	4.0	5.3
22	1.3	- 1.6	1.3	2.6	- 6.3	- 9.4	-12.6	-14.1	-14.1	- 6.3	1.3	- 4.7	1.3
23	-11.0	- 3.1	- 1.6	1.3	- 4.7	- 4.7	- 9.4	-14.1	-15.7	-12.6	- 7.8	- 6.3	- 3.1
24	2.6	4.0	1.3	1.3	- 6.3	- 6.3	- 6.3	- 9.4	- 6.3	- 1.6	2.6	2.6	4.0
25	- 1.6	4.0	1.3	2.6	1.3	- 1.6	- 6.3	- 9.4	- 7.8	1.3	1.3	- 3.1	- 4.7
26	- 9.4	1.3	- 1.6	2.6	- 9.4	- 7.8	- 7.8	- 9.4	- 6.3	1.3	2.6	1.3	1.3
27	- 4.7	1.3	1.3	2.6	- 4.7	- 3.1	- 3.1	- 6.3	- 4.7	1.3	2.6	4.0	4.0
28	- 3.1	1.3	1.3	2.6	- 4.7	- 3.1	- 7.8	- 9.4	- 6.3	2.6	4.0	6.6	5.3
29	- 4.7	- 3.1	- 3.1	4.0	- 1.6	-11.0	- 7.8	- 9.4	-14.1	- 7.8	1.3	2.6	- 6.3
30	- 1.6	- 1.6	- 1.6	- 3.1	- 6.3	-14.1	-17.3	-12.6	- 7.8	- 4.7	- 4.7	- 1.6	2.6
31	- 4.7	- 9.4	- 7.8	- 7.8	-17.3	-17.3	-15.7	-14.1	-11.0	- 7.8	- 6.3	- 4.7	2.6
Prom	0.1	1.4	1.2	2.5	- 4.1	- 6.4	- 9.1	-11.2	- 8.8	- 3.9	- 1.2	0.6	1.9
Var.	3.8	5.1	4.9	6.2	- 0.4	- 2.7	- 5.4	- 7.5	- 5.1	- 0.2	2.5	4.3	5.6

COMPONENTE ESTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	1.3	1.3	- 1.4	- 4.1	-10.8	-16.2	-12.2	- 9.5	- 8.1	- 9.5	-10.8	-13.5	-16.2
2	2.6	2.6	1.3	- 4.1	- 9.5	-14.9	-12.2	-12.2	-13.5	- 8.1	-10.8	-12.2	-13.5
3	1.3	3.9	1.3	- 2.7	- 9.5	-12.2	-10.8	- 8.1	- 9.5	- 5.4	- 8.1	-14.9	-10.8
4	- 3.1	2.6	1.3	1.3	- 1.6	- 7.8	- 9.4	-11.0	-12.6	-17.3	-17.3	-17.3	-14.1
5	-15.7	- 4.7	- 7.8	- 7.8	-17.3	-26.7	-18.8	-11.0	-17.3	-14.1	-14.1	-17.3	-17.3
6	2.6	2.6	1.3	- 1.4	-14.9	-20.3	-13.5	-10.8	- 8.1	- 8.1	- 9.5	-12.2	- 9.5
7	2.6	2.6	1.3	- 1.4	- 2.7	-16.2	-14.9	-10.8	- 5.4	- 4.1	- 6.8	- 8.1	- 4.1
8	1.3	3.9	2.6	- 1.4	-13.5	-23.0	-16.2	- 9.5	-10.8	-10.8	- 9.5	-10.8	-13.5
9	2.6	1.3	- 1.4	- 1.4	-13.5	-16.2	-14.9	- 8.1	-10.8	- 9.5	- 9.5	- 9.5	-10.8
10	2.6	3.9	1.3	- 2.7	- 8.1	-19.1	-16.2	-14.9	- 9.5	- 9.5	-14.9	-13.5	-16.2
11	-10.8	- 8.1	- 8.1	- 5.4	- 8.1	- 9.5	- 9.5	-14.9	-16.2	-17.6	-16.2	-17.6	-13.5
12	- 6.8	- 2.7	- 2.7	- 4.1	-10.8	-20.3	-19.0	-16.2	-14.9	-10.8	-13.5	-13.5	-13.5
13	- 2.7	- 1.4	- 6.8	- 6.8	-13.5	-16.2	-19.0	-13.5	-10.8	- 9.5	-12.2	- 9.5	- 9.5
14	- 2.7	1.3	- 4.1	- 5.4	-17.6	-19.0	-20.3	-13.5	-10.8	-12.2	-12.2	-16.2	-16.2
15	- 9.5	- 6.8	- 8.1	-10.8	-17.6	-23.0	-21.7	-14.9	- 9.5	-	-	-	-
16	1.3	2.6	- 2.7	- 5.4	-16.2	-20.3	-17.6	- 8.1	- 9.5	- 9.5	-13.5	-12.2	-13.5
17	1.3	2.6	- 1.4	- 4.1	-14.9	- 9.5	-13.5	-10.8	-12.2	- 9.5	-13.5	-14.9	-14.9
18	- 8.1	- 1.4	- 4.1	- 5.4	- 8.1	- 8.1	-10.8	-16.2	-14.9	-17.6	-16.2	-14.9	-16.2
19	- 8.1	- 2.7	- 4.1	- 5.4	-14.9	-19.0	-13.5	- 6.8	- 8.1	-19.0	-12.2	-14.9	-10.8
20	-	-	-	-	-	-	-	-	- 8.1	- 9.5	- 9.5	-10.8	-10.8
21	- 1.4	1.3	- 1.4	- 2.7	-13.5	-20.3	-17.6	-10.8	-12.2	-10.8	-12.2	-12.2	-10.8
22	- 2.7	1.3	- 6.8	- 6.8	-16.2	-21.7	-16.2	-12.2	-12.2	- 9.5	-12.2	-13.5	-19.0
23	- 9.5	2.6	1.3	1.3	- 4.9	- 4.9	- 6.8	- 2.7	- 9.5	- 5.4	- 9.5	- 9.5	- 6.8
24	- 4.1	- 1.4	- 4.1	- 6.8	-16.2	-17.6	-13.5	- 8.1	-24.4	-42.0	-43.3	-37.9	-43.0
25	-37.9	-33.8	-33.8	-32.5	-33.8	-36.6	-37.9	-43.3	-42.0	-43.3	-37.9	-44.7	-42.0
26	- 8.1	- 2.7	- 4.1	- 4.1	-13.5	-19.0	-16.2	- 9.5	-10.8	- 9.5	-10.8	-13.5	-10.8
27	1.3	1.3	- 1.4	- 2.7	-10.8	-13.5	-12.2	- 9.5	-10.8	- 9.5	- 8.1	-10.8	- 8.1
28	- 5.4	- 4.1	- 5.4	- 5.4	-10.8	-17.6	-23.0	-13.5	-12.2	-10.8	-14.9	-14.9	-14.9
29	- 4.1	- 2.7	- 1.4	- 5.4	- 8.1	-14.9	-14.9	- 8.1	-12.2	- 6.8	- 8.1	- 9.5	- 9.5
30	- 5.4	- 4.1	- 5.4	- 6.8	-16.2	-20.3	-20.3	-13.5	-12.2	-12.2	-13.5	-12.2	-12.2
31	- 4.1	- 2.7	- 5.4	- 4.1	-14.9	-20.3	-16.2	-12.2	-12.2	-10.8	- 8.1	-12.2	- 8.1
Prom	- 4.5	- 1.4	- 3.7	- 5.2	-12.7	-17.5	-16.0	-12.2	-12.6	-12.7	-13.6	-14.8	-14.3
Var.	7.2	10.3	8.0	6.5	- 1.0	- 5.8	- 4.3	- 0.5	- 0.9	- 1.0	- 1.9	- 3.1	- 2.6

LINEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
5.3	1.3	- 1.6	- 9.4	- 7.8	- 4.7	- 3.1	- 3.1	- 3.1	1.3	1.3	- 1.4	1
5.3	1.3	- 3.1	- 3.1	- 7.8	- 3.1	1.3	2.6	1.3	4.0	7.9	1.8	0
6.6	- 3.1	1.3	-11.0	-12.6	- 6.3	- 3.1	- 1.6	- 1.6	- 1.6	- 3.1	- 1.6	0
6.6	- 1.6	7.8	-11.0	-11.0	- 9.4	- 6.3	1.3	- 3.1	2.6	2.6	- 1.0	2
5.3	- 3.1	- 4.7	- 4.7	- 1.6	- 1.6	1.3	4.0	5.3	6.6	6.6	0.0	1
5.3	- 3.1	- 6.3	- 3.1	- 1.6	1.3	- 1.6	2.6	2.6	4.0	5.3	- 1.3	1
1.6	-15.7	- 3.1	- 4.7	1.3	- 3.1	- 3.1	5.3	4.0	13.2	5.3	- 1.8	2
5.3	- 7.8	- 3.1	-11.0	1.3	- 7.8	2.6	7.9	2.6	7.9	5.3	- 0.1	2
1.3	- 4.7	-11.0	-11.0	-11.0	-12.6	- 9.4	- 7.8	5.3	10.6	10.6	- 1.6	0
7.9	- 3.1	- 1.6	- 3.1	- 3.1	- 3.1	- 6.3	- 4.7	4.0	5.3	4.0	2.4	1
- 1.6	- 9.4	-18.8	- 7.8	- 6.3	1.3	- 6.3	2.6	0.0	9.2	1.3	- 1.8	1
- 1.6	- 6.3	-11.0	-12.6	-12.6	- 6.3	- 4.7	- 4.7	1.3	2.6	4.0	- 5.3	1
1.3	- 9.4	-15.7	-20.4	-18.8	-11.0	- 1.6	6.6	4.0	1.3	1.3	- 5.3	2
- 1.6	-11.0	-18.8	-17.3	-15.7	- 6.3	-12.6	- 7.8	- 9.4	9.2	6.6	- 6.0	1
- 1.6	- 4.7	- 9.4	-11.0	-11.0	-11.0	- 3.1	- 6.3	- 4.7	2.6	- 3.1	- 5.6	1
- 7.8	- 9.4	-11.0	-14.1	-15.7	-11.0	- 7.8	- 3.1	- 4.7	2.6	4.0	- 6.1	1
- 6.3	- 9.4	-12.6	-18.8	-18.8	-12.6	-12.6	- 6.3	- 6.3	- 6.3	- 1.6	- 7.7	0
- 4.7	- 9.4	-15.7	-14.1	-12.6	-12.6	- 6.3	- 1.6	- 7.8	- 3.1	1.3	- 7.3	1
- 1.6	- 4.7	- 7.8	-	-	-	-	-	-	-	-	- 4.5	1
1.3	1.3	- 3.1	- 7.8	- 9.4	- 6.3	- 4.7	- 6.3	- 3.1	1.3	2.6	- 3.4	1
1.3	- 7.8	- 9.4	-11.0	- 4.7	- 6.3	- 6.3	- 4.7	- 6.3	- 4.7	- 1.6	- 3.2	0
-23.6	-11.0	- 7.8	-11.0	-17.3	-12.6	-17.3	- 3.1	- 4.7	- 3.1	4.0	- 7.0	2
- 7.8	-12.6	-14.1	-15.7	-12.6	- 9.4	- 6.3	- 1.6	- 6.3	- 1.6	1.3	- 7.5	1
1.3	- 7.8	-14.1	-17.3	- 9.4	- 3.1	- 3.1	- 3.1	- 7.8	- 4.7	4.0	- 3.4	1
- 6.3	- 7.8	- 9.4	-11.0	- 6.3	- 9.4	- 9.4	- 4.7	- 3.1	2.6	1.3	- 3.6	1
2.6	- 9.4	-15.7	-12.6	- 7.8	- 6.3	1.3	1.3	- 6.3	- 4.7	5.3	- 3.9	1
- 3.1	- 6.3	-12.6	- 9.4	- 9.4	- 9.4	- 6.3	- 4.7	- 1.6	- 1.6	- 4.7	- 3.3	0
- 6.3	-11.0	- 9.4	- 9.4	- 6.3	- 4.7	- 4.7	- 3.1	- 3.1	- 3.1	- 4.7	- 3.2	0
- 3.1	-17.3	-11.0	-14.1	-15.7	-18.8	- 7.8	1.3	- 6.3	1.3	- 3.1	- 6.5	0
1.3	- 6.3	-12.6	-11.0	-11.0	- 9.4	- 7.8	- 7.8	- 6.3	- 4.7	- 9.4	- 6.6	1
- 7.8	-12.6	-15.7	-18.8	-18.8	-18.8	-20.4	-	-	-	-	-11.7	2
- 0.9	- 7.2	- 9.0	-11.2	- 9.8	- 7.7	- 5.8	- 1.7	- 2.1	1.7	1.9	3.7	
2.8	- 3.5	- 5.3	- 7.5	- 6.1	- 4.0	- 2.1	2.0	1.6	5.4	5.6		

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
-14.9	-14.9	-10.8	-12.2	-14.9	-13.5	-13.5	- 8.1	- 6.8	- 1.4	- 2.7	- 9.3	1
-12.2	-10.8	- 9.5	-10.8	-12.2	- 9.5	- 9.5	- 4.1	- 6.8	- 1.4	- 1.4	- 8.0	1
-10.8	-10.8	- 5.4	-14.9	-14.9	-14.9	- 9.5	- 8.1	- 6.8	- 2.7	- 5.4	- 7.9	1
-12.6	-17.3	-15.7	-18.8	-18.8	-22.0	-23.6	-15.7	-18.8	- 7.8	-11.0	-12.0	1
-17.3	-18.8	-15.7	-20.4	-18.8	-20.4	-15.7	-15.7	-14.1	- 6.3	- 6.3	-15.0	0
-12.2	-10.8	- 8.1	-10.9	-12.2	- 8.1	- 9.5	- 6.8	- 4.1	- 2.7	- 2.7	- 7.9	1
-10.8	-10.8	- 6.8	-10.8	- 9.5	- 9.5	- 9.5	- 5.4	- 4.1	- 1.4	- 1.4	- 6.2	1
-10.8	-16.2	- 9.5	-10.8	-10.8	-10.8	-12.2	-10.8	- 6.8	- 1.4	1.3	- 8.8	2
- 9.5	-14.9	- 8.1	- 9.5	- 9.5	-10.8	-10.8	- 9.5	- 6.8	1.3	- 2.7	- 8.0	2
-14.9	-10.8	-10.8	-16.2	-13.5	-14.9	-14.9	-13.5	- 8.1	- 6.8	- 8.1	-10.4	1
-16.2	-14.9	-14.9	-17.6	-21.7	-14.9	-21.7	-13.5	-12.2	- 8.1	- 9.5	-13.4	2
-12.2	-14.9	- 9.5	-14.9	-19.0	-14.9	-17.6	- 9.5	- 9.5	- 4.1	- 8.1	-11.8	0
-10.8	- 9.5	-13.5	-10.8	-10.8	-12.2	-10.8	- 9.5	- 5.4	- 4.1	- 2.7	- 9.6	1
-14.9	-12.2	-17.6	-14.9	-14.9	-14.9	-14.9	-12.2	- 9.5	- 5.4	- 6.8	-12.0	1
-	-	- 9.5	- 8.1	- 8.1	- 8.1	- 5.4	- 8.1	- 4.1	2.6	1.3	- 9.4	2
-13.5	-13.5	-10.8	-10.8	-12.2	-14.9	-14.9	-10.8	- 6.8	- 2.7	- 4.1	-10.0	1
-13.5	-13.5	-13.5	-19.0	-21.7	- 7.0	-12.2	-14.9	- 5.4	- 1.4	- 4.1	-10.1	2
-10.8	-10.8	-13.5	-17.6	-20.3	-17.6	-13.5	-12.2	-12.2	- 5.4	- 6.8	-11.8	2
-14.9	-12.2	- 8.1	-	-	-	-	-	-	-	-	-10.9	2
-12.2	-12.2	- 8.1	-12.2	-10.8	-12.2	-13.5	-12.2	- 8.1	- 4.1	- 4.1	- 9.5	1
-12.2	-14.9	- 8.1	-13.5	-12.2	-10.8	-12.2	- 9.5	- 6.8	- 2.7	- 5.4	- 9.7	1
-10.8	- 8.1	-10.8	- 9.5	-12.2	-16.2	-14.9	-17.6	-12.2	- 5.4	- 8.1	-11.4	2
-12.2	- 5.4	- 8.1	- 6.8	-10.8	- 5.4	-10.8	- 6.8	- 2.7	2.6	- 1.6	- 5.5	1
-39.3	-46.0	-40.6	-43.0	-47.4	-42.0	-42.0	-44.7	-40.6	-36.6	-36.6	-30.0	1
-43.3	-42.0	-44.7	-47.4	-42.0	-47.4	-46.0	-40.6	-40.6	-35.2	-36.6	-40.2	1
-10.8	-16.2	- 8.1	- 9.5	-10.8	- 9.5	-10.8	- 9.5	- 6.8	- 4.1	- 5.4	- 9.8	2
-12.2	- 9.5	- 8.1	-12.2	- 9.5	-12.2	-10.8	-10.8	- 9.5	- 5.4	- 5.4	- 8.4	1
-14.9	-17.6	-10.8	-14.9	-16.2	-14.9	-14.9	-10.8	- 8.1	- 6.8	- 6.8	-12.1	0
- 8.1	- 8.1	- 2.5	-13.5	-13.5	-10.8	-12.2	-10.8	-10.8	- 5.4	- 8.1	- 8.7	1
-12.2	- 9.5	-12.2	-12.2	-13.5	-12.2	-16.2	-13.5	- 8.1	- 6.8	- 5.4	-11.5	0
- 6.8	- 8.1	-14.9	-19.0	-19.0	-19.0	-17.6	-	-	-	-	-11.8	2
-14.3	-14.5	-12.5	-15.6	-16.0	-15.0	-15.4	-12.9	-10.4	- 5.8	- 7.2	11.7	
- 2.6	- 2.8	- 0.8	- 3.9	- 4.3	- 3.3	- 3.7	- 1.2	1.3	5.9	4.5		

PRESIÓN ATMOSFERICA

en mm. de Hg. al nivel del Observatorio: 700 mm.+ ...

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	52.6	52.1	52.5	52.0	51.4	53.4	54.4	54.0	54.4	54.7	54.7	54.8	54.9	54.8	54.7
2	57.4	57.4	57.2	57.0	57.3	57.7	58.0	58.0	57.9	57.9	57.5	56.9	56.5	55.6	55.1
3	54.4	54.1	53.9	53.5	53.5	54.1	54.3	54.6	54.7	54.7	54.6	54.5	54.5	54.6	54.9
4	61.4	61.4	61.4	61.6	62.1	62.4	62.6	63.2	63.4	63.3	63.1	63.0	62.3	62.1	61.9
5	62.0	61.6	61.7	61.8	62.1	62.4	62.5	63.0	63.1	63.0	62.9	62.3	62.1	61.3	61.1
6	60.4	60.4	60.2	60.2	60.2	60.3	60.4	60.4	60.4	60.4	60.1	59.5	59.1	58.4	57.6
7	56.8	56.9	56.8	57.1	57.3	57.5	57.9	57.6	57.3	57.2	57.0	56.7	56.6	56.4	55.9
8	56.4	56.3	56.0	55.8	55.8	56.2	56.3	56.4	56.4	56.4	56.2	55.8	55.4	54.9	54.4
9	55.3	55.2	55.2	55.2	55.6	56.2	56.6	56.8	56.8	57.1	56.9	56.2	55.7	55.6	54.8
10	55.6	55.4	55.1	54.7	54.8	55.0	56.0	56.6	56.9	57.1	58.1	58.1	57.4	57.6	57.4
11	57.7	57.3	57.3	57.2	57.3	57.4	57.8	57.8	57.8	58.0	57.9	57.8	57.8	56.9	56.5
12	56.8	56.7	56.6	56.5	56.5	56.7	56.9	57.0	57.0	56.8	56.6	56.3	55.7	55.2	54.8
13	55.0	54.9	54.8	54.7	54.9	55.4	55.4	55.4	55.6	55.9	55.6	55.5	55.0	54.8	54.3
14	56.9	56.8	56.9	57.0	57.3	57.6	58.4	58.6	58.5	58.5	58.4	57.9	57.4	57.0	56.2
15	54.7	54.6	54.3	54.3	53.8	54.1	54.1	53.8	53.7	53.5	52.8	52.0	50.9	50.2	49.2
16	47.1	46.4	46.2	46.2	46.4	46.7	46.9	42.0	47.1	47.2	47.5	46.8	46.7	46.6	47.1
17	53.0	53.0	52.9	52.9	53.2	53.7	54.2	54.8	55.1	55.8	56.0	55.9	55.7	55.2	54.9
18	55.5	55.5	55.5	55.6	55.8	56.0	56.4	56.9	57.3	57.4	57.4	56.6	56.5	55.8	55.4
19	56.8	56.6	56.7	56.7	56.8	57.0	57.4	57.6	57.5	57.4	56.9	56.4	55.7	55.1	54.9
20	55.2	55.0	54.9	55.2	55.3	55.3	55.2	55.1	54.7	54.4	53.7	53.6	53.8	52.0	51.1
21	52.2	51.9	52.0	51.9	52.3	52.3	52.4	52.3	52.4	52.8	52.8	52.4	52.0	51.6	51.5
22	54.2	54.6	54.8	55.1	55.7	56.0	56.1	56.3	56.4	56.3	55.9	55.5	55.0	54.4	54.0
23	54.5	54.4	54.4	54.5	54.6	54.8	55.4	55.7	55.8	55.8	55.7	55.6	55.4	55.2	55.0
24	59.1	59.4	59.6	59.8	60.5	60.8	61.3	61.4	61.6	61.7	62.1	62.1	62.1	62.1	61.9
25	63.4	63.7	63.7	63.7	63.9	64.5	64.8	65.6	65.6	65.8	65.6	65.1	64.9	64.1	64.0
26	64.3	64.2	64.1	63.8	63.8	63.9	63.9	64.0	63.7	63.7	63.5	62.7	62.1	61.9	61.0
27	59.5	59.3	59.2	59.1	59.2	59.3	59.5	59.4	59.6	59.5	59.5	58.9	58.0	57.2	56.8
28	57.6	57.5	57.5	57.6	57.7	58.3	58.4	58.8	59.1	58.8	58.5	58.3	57.5	57.1	56.9
29	59.5	59.3	59.0	58.8	58.7	58.8	58.9	59.9	60.0	60.0	59.7	59.4	58.8	59.0	59.0
30	61.1	61.3	61.5	61.5	61.6	61.7	61.9	62.1	62.0	61.8	61.0	60.2	59.2	58.3	58.0
31	56.3	55.7	55.3	55.1	55.1	55.0	55.1	55.2	55.6	55.5	55.7	55.6	55.5	55.2	55.1
Prom	56.9	56.7	56.7	56.6	56.8	57.1	57.4	57.4	57.7	57.7	57.5	57.2	56.8	56.3	56.0

TEMPERATURA DEL AIRE

a la sombra en grados C.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	17.5	17.5	17.3	17.2	16.6	16.2	16.1	16.2	16.6	21.2	23.1	24.3	24.8	25.1	25.0
2	13.7	13.0	12.4	12.1	11.2	10.3	12.4	16.7	18.2	20.2	21.8	22.6	23.7	24.2	24.5
3	15.2	14.8	14.7	14.8	15.0	14.9	15.6	18.6	20.6	22.6	23.8	24.9	26.2	26.6	23.1
4	9.2	8.3	7.8	7.2	7.1	6.5	8.0	12.2	14.4	16.2	16.5	17.3	18.3	19.5	19.3
5	7.3	7.4	7.7	8.0	8.3	8.6	8.9	10.8	14.4	17.5	19.5	20.4	21.7	22.4	22.5
6	11.2	11.0	11.0	10.6	10.1	10.1	11.5	16.0	18.5	19.7	20.8	22.3	23.0	24.5	24.3
7	13.3	13.1	13.1	13.1	12.5	12.0	13.0	18.6	21.2	23.4	25.2	26.5	27.9	28.1	28.1
8	17.1	16.7	16.7	16.2	15.8	15.9	16.4	21.0	23.5	25.5	26.9	28.9	29.3	29.7	29.8
9	17.9	17.8	17.5	17.4	17.0	16.7	17.7	20.9	23.9	26.2	27.9	28.6	29.0	28.5	27.9
10	18.1	18.1	18.1	18.3	18.4	18.5	18.5	18.2	18.3	18.4	18.5	18.7	18.9	19.3	19.8
11	14.6	14.6	14.4	14.4	14.3	14.2	13.7	13.5	13.8	14.2	15.4	16.1	17.9	19.9	20.6
12	11.0	9.4	8.3	7.7	6.6	5.9	6.4	13.3	19.0	21.1	22.0	23.3	24.1	25.1	25.2
13	12.6	12.4	11.7	11.5	11.6	11.2	13.7	17.1	21.4	24.4	26.1	27.4	28.4	27.9	28.3
14	13.0	11.5	11.3	9.9	8.9	8.3	9.9	13.5	17.3	19.3	21.3	22.3	23.4	23.9	24.0
15	10.4	10.9	11.0	11.0	10.9	10.8	12.2	17.7	21.3	23.5	25.0	26.7	27.8	28.6	28.7
16	21.9	21.8	21.2	20.5	19.9	19.0	19.7	22.4	23.6	27.1	27.9	27.9	25.4	23.9	22.3
17	12.9	12.8	12.3	11.9	11.6	10.0	9.3	12.7	15.4	17.6	19.0	20.5	22.2	23.3	23.3
18	9.4	8.9	8.9	9.2	9.5	9.5	11.5	15.3	16.7	18.5	19.8	21.0	22.5	23.6	24.4
19	14.1	14.0	13.0	12.1	11.6	11.1	12.9	19.6	22.6	25.0	26.6	28.1	29.2	29.7	29.6
20	20.7	20.5	19.6	19.0	19.0	17.9	19.2	21.7	25.1	27.2	27.4	26.3	22.4	19.0	18.4
21	16.6	17.2	17.5	17.6	17.9	18.5	18.7	20.2	23.1	24.9	26.9	28.9	30.5	30.9	30.5
22	15.7	14.7	13.8	12.4	11.6	11.0	11.0	13.5	15.3	17.2	19.4	21.1	22.9	23.7	24.1
23	10.0	9.9	9.8	9.4	9.2	8.9	8.9	15.4	20.2	22.4	24.1	25.4	25.8	26.7	26.5
24	15.9	15.8	15.6	14.9	14.4	14.1	14.1	17.3	18.3	21.2	22.3	23.6	24.3	24.7	24.6
25	16.8	16.4	16.1	16.0	15.5	15.5	16.5	18.5	19.4	21.3	23.1	23.8	24.8	25.1	24.8
26	15.8	14.1	13.1	12.3	12.3	11.6	11.2	16.5	18.0	19.3	20.8	21.3	21.7	22.5	22.3
27	14.6	14.6	13.8	13.4	12.8	11.7	11.9	15.1	16.9	19.3	21.4	22.5	23.5	24.5	24.5
28	12.6	12.1	12.5	12.6	12.4	12.3	12.1	15.7	19.6	22.0	23.7	24.2	24.2	24.9	24.8
29	11.1	10.9	10.9	10.7	10.3	10.4	13.5	17.1	21.5	23.5	23.6	24.2	25.2	25.1	23.4
30	14.2	12.8	10.8	9.4	8.4	7.3	7.9	12.7	18.0	19.5	20.8	21.4	21.9	22.5	22.6
31	12.9	13.4	13.6	13.8	14.0	14.2	14.5	17.1	19.7	19.8	22.2	23.5	23.9	24.7	24.8
Prom	14.1	13.8	13.4	13.0	12.7	12.4	13.1	16.6	19.2	21.3	22.7	23.7	24.4	24.8	24.6

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
54.7	55.1	55.5	56.0	56.6	57.0	57.2	57.5	57.4	57.5	23	51.0	4-5	6.5	754.7 mm.	1006.2 mb.
54.6	54.5	54.5	54.5	54.8	54.9	54.8	54.7	54.5	58.0	7,8	54.5	varios	3.5	56.2	1008.2
55.5	56.6	57.3	58.1	59.1	59.9	60.5	61.1	61.2	61.2	24	53.5	4,5	7.7	56.0	1008.0
61.5	61.5	61.5	61.5	62.4	62.7	62.6	62.6	62.2	63.5	9-10	61.2	0	2.3	62.2	1016.2
60.5	60.3	60.2	60.2	60.4	60.6	60.4	60.4	60.5	63.0	8	60.2	18,19	2.8	61.5	1015.3
57.3	57.2	57.0	57.0	57.2	57.1	57.0	56.9	57.0	60.4	varios	56.8	18-19	3.6	58.8	1011.7
55.7	55.6	55.7	55.7	56.0	56.1	56.2	56.2	56.3	57.9	7	55.6	17	2.3	56.6	1008.8
54.0	53.9	53.9	54.2	54.4	54.7	55.0	55.2	55.3	56.4	varios	53.9	17,18	2.5	55.4	1007.2
54.0	53.4	53.7	53.9	54.0	54.7	54.9	55.0	55.4	57.1	10	53.4	17	3.7	55.3	1007.0
57.3	57.4	57.1	56.6	57.1	57.5	57.6	57.7	57.8	58.3	11-12	54.7	4	3.6	56.8	1009.0
56.5	56.5	56.4	56.6	56.8	57.1	57.2	57.3	57.2	58.0	10	56.4	18	1.6	57.2	1009.6
54.7	54.7	54.8	55.0	55.5	55.8	55.6	55.6	55.2	57.2	0	54.7	16,17	2.5	56.0	1008.0
53.5	53.2	52.8	52.7	53.2	53.7	54.6	56.3	56.7	56.8	23-24	52.7	19	4.1	54.8	1006.4
55.8	55.6	55.5	55.3	55.4	55.5	55.5	55.2	55.2	58.6	8	55.2	1,24	3.4	56.8	1009.0
48.8	48.3	48.1	47.6	47.7	47.5	47.3	47.2	47.3	55.2	0	47.2	23	8.0	51.1	1001.4
47.1	47.6	48.5	49.3	50.3	51.3	52.1	52.2	52.7	52.7	24	46.2	3,4	6.5	47.8	997.0
54.6	54.6	54.7	54.7	55.1	55.6	55.6	55.5	55.5	56.1	10-11	52.7	0	3.4	54.7	1006.2
55.2	55.0	55.3	55.7	56.1	56.4	56.5	56.6	56.7	57.5	10-11	55.0	17	2.5	56.1	1008.1
54.9	55.0	55.3	55.3	55.8	55.8	55.6	55.4	55.3	57.6	8	54.9	15,16	2.7	56.2	1008.2
51.4	51.5	51.6	51.9	53.3	53.4	52.4	52.6	52.9	55.3	0,5,6	50.7	15-16	4.6	53.6	1004.8
51.6	51.7	52.1	52.4	53.0	53.4	53.4	53.7	54.1	54.1	24	51.5	15	2.6	52.4	1003.2
53.8	53.6	53.8	54.0	54.4	54.4	54.4	54.5	54.4	56.4	9	53.6	17	2.8	54.9	1006.5
55.2	56.3	56.4	58.4	59.4	58.4	57.5	57.5	58.3	59.6	20-21	54.4	0,2,3	5.2	56.0	1008.0
61.7	62.0	62.3	62.5	63.2	63.2	63.3	63.3	63.3	63.3	22,23,24	58.3	0	5.0	61.7	1015.6
63.9	64.0	64.1	64.2	64.4	64.6	64.5	64.5	64.4	65.8	10	63.3	0	2.5	64.5	1019.3
60.8	60.7	60.5	60.4	60.4	60.5	60.4	60.4	60.1	64.4	0	60.1	24	4.3	62.3	1016.4
56.8	56.9	57.0	57.3	57.6	57.7	57.8	57.8	57.6	60.1	0	56.8	15,16	3.3	58.4	1011.2
57.1	57.3	57.7	58.0	58.9	59.1	59.1	59.2	59.2	59.2	23,24	56.9	15	2.3	58.1	1010.8
58.8	59.1	58.9	59.1	59.2	60.0	60.5	60.6	61.0	61.0	24	58.2	13-14	2.8	59.4	1012.5
57.5	57.2	57.2	57.3	57.4	57.5	57.4	57.1	56.8	62.1	8	56.8	24	5.3	59.5	1012.6
55.5	56.0	56.7	58.4	59.6	60.6	61.4	62.1	62.6	62.6	24	55.0	6	7.6	56.8	1009.0
55.8	55.9	56.0	56.2	56.7	57.0	57.0	57.2	57.2	58.9		55.0		3.9	56.8	1009.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
24.6	24.2	22.3	19.1	16.9	15.4	14.8	15.0	15.1	25.1	14	14.8	22	10.3	19.2
24.3	24.0	21.1	18.9	17.0	15.7	15.0	14.9	14.6	24.5	15	10.3	6	14.2	17.6
20.8	18.0	17.3	15.5	13.4	12.7	12.6	11.9	10.8	26.6	14	10.8	24	15.8	17.7
19.0	18.7	17.2	13.8	11.4	9.9	8.7	7.9	7.7	19.5	14	6.5	6	13.0	12.6
22.1	19.9	18.1	16.4	15.5	13.5	13.2	12.8	12.1	22.5	15	7.3	1	15.2	14.5
24.2	23.8	22.3	19.5	17.2	16.0	16.0	14.4	14.0	24.5	14	10.1	5,6	14.4	17.2
27.9	27.5	25.1	22.8	20.5	19.4	18.8	18.1	17.9	28.1	14,15	11.6	5-6	16.5	20.3
29.3	28.5	25.9	23.4	21.5	20.3	19.4	18.8	18.5	29.8	15	15.8	5	14.0	22.3
28.4	27.3	25.7	23.5	20.8	19.5	18.7	18.4	18.3	29.0	13	16.7	6	12.3	22.3
19.5	19.3	18.5	17.2	15.9	15.4	14.8	14.5	14.6	19.8	15	14.5	23	5.3	17.8
20.7	20.5	19.2	16.8	15.1	14.0	12.9	12.2	11.4	20.7	16	11.4	24	9.3	15.6
24.9	23.0	19.9	18.0	16.0	14.7	14.5	14.0	13.0	25.2	15	5.7	6-7	19.5	16.1
26.1	25.7	22.7	19.5	17.3	17.0	17.2	15.2	13.8	29.0	13-14	11.2	6	17.8	19.2
23.8	22.8	19.7	15.5	12.9	11.6	10.4	10.1	10.4	24.0	15	8.3	6	15.7	15.6
28.3	27.4	25.3	23.1	21.7	21.2	21.4	21.4	21.8	28.7	15	10.4	0,1	18.3	20.3
20.5	17.0	15.8	14.4	14.3	14.4	14.0	13.6	13.5	28.8	11-12	13.5	24	15.3	20.1
23.2	22.7	19.5	16.0	14.2	13.3	12.0	10.9	10.2	23.3	14,15	9.3	7	14.0	15.7
25.1	23.6	20.7	18.3	17.0	16.2	15.8	15.2	14.6	25.1	16	8.9	2,3	16.2	16.5
29.1	27.9	25.4	23.4	22.6	22.1	21.4	21.2	20.7	29.7	14	11.1	6	18.6	21.4
18.7	19.0	19.2	18.9	18.1	17.4	16.5	16.5	16.4	27.4	11	16.4	24	11.0	20.2
29.9	28.6	25.8	24.2	21.7	21.3	20.6	18.1	16.2	31.0	14-15	16.2	24	14.8	22.8
23.6	22.7	20.4	16.4	13.9	12.7	11.5	11.1	10.8	24.1	15	9.6	6-7	14.5	16.3
24.9	22.2	19.2	18.4	16.3	15.5	15.7	15.7	16.0	26.7	14	8.9	6,7	17.8	17.4
24.3	22.5	20.9	18.9	17.6	16.9	17.1	17.0	16.9	24.7	14	14.1	6,7	10.6	18.9
24.5	23.4	21.2	18.8	17.2	17.2	17.4	17.0	15.7	25.1	14	15.5	5,6	9.6	19.4
22.1	20.9	18.8	17.0	15.1	14.5	14.3	14.5	14.6	22.5	14	10.7	6-7	11.8	16.9
23.8	21.9	19.6	17.5	15.7	14.8	14.2	13.0	12.7	24.5	14,15	11.7	6	12.8	17.2
23.5	22.1	20.0	17.2	15.5	14.6	13.4	12.6	12.3	24.9	14	12.1	2,7	12.8	17.4
20.9	19.1	17.3	16.3	15.9	15.0	15.1	15.2	15.3	25.6	12-13	10.3	5	15.3	17.2
22.4	21.1	17.8	14.5	14.0	13.2	12.8	11.9	11.6	22.8	14-15	7.2	6-7	15.6	15.4
23.9	22.2	20.1	17.4	15.2	13.7	12.3	11.3	10.3	25.2	14-15	10.3	24	14.9	17.4
24.0	22.8	20.7	18.4	16.7	15.8	15.2	14.7	14.2	25.4		11.3		14.1	18.0

HUMEDAD RELATIVA en %

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	97	98	97	97	96	92	90	75	66	44	43	37	36	36	36
2	94	96	96	97	97	98	97	85	79	69	56	52	49	45	43
3	99	99	97	88	91	92	87	71	64	56	50	49	45	46	54
4	85	88	89	93	93	95	85	72	53	48	48	49	47	47	44
5	99	98	97	96	95	95	95	86	77	59	49	46	46	43	41
6	96	96	97	98	99	99	99	76	59	55	52	51	43	39	39
7	93	95	93	94	96	96	93	66	56	49	46	42	38	34	31
8	83	85	85	89	90	90	85	70	62	57	51	46	39	39	38
9	80	81	81	82	85	88	83	69	55	50	44	41	40	43	42
10	94	94	94	89	89	89	91	94	95	95	95	96	96	90	87
11	93	92	92	92	92	93	95	95	90	88	87	84	80	72	65
12	97	98	98	97	98	97	98	90	61	52	44	35	37	35	33
13	77	78	79	80	78	85	82	72	61	50	45	41	35	34	33
14	86	96	98	100	99	96	87	73	52	39	31	28	24	24	24
15	76	74	79	82	84	86	86	55	43	40	37	32	31	31	31
16	73	72	73	74	77	82	79	69	64	50	49	50	60	64	60
17	97	97	93	84	88	91	86	61	49	39	33	29	27	25	22
18	89	90	94	94	87	93	94	72	70	64	51	45	48	54	55
19	94	95	97	99	99	100	100	76	64	59	53	51	42	40	41
20	72	71	74	78	79	84	79	73	71	67	68	74	84	92	94
21	95	95	94	93	93	92	92	91	78	75	69	58	43	31	31
22	82	85	92	97	91	84	84	71	67	61	53	48	44	41	39
23	100	99	99	98	97	97	97	76	45	37	35	31	34	33	36
24	89	90	91	92	94	96	96	75	70	59	58	57	55	57	54
25	68	75	79	82	82	76	70	65	57	56	55	53	50	48	51
26	66	71	78	79	88	96	95	77	66	60	53	46	40	42	45
27	86	87	92	94	96	96	97	78	68	60	52	47	42	41	40
28	100	100	99	99	98	98	97	84	69	58	47	46	43	42	44
29	98	99	99	99	98	98	97	80	57	48	46	45	44	45	46
30	86	83	88	92	93	94	94	79	54	39	34	32	30	28	27
31	86	88	91	92	92	92	92	86	79	87	73	67	55	47	42
Prom.	88	89	90	91	91	92	90	76	65	57	52	49	46	45	44

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	14.0	14.5	14.0	14.0	13.5	12.5	11.5	10.3	9.5	7.8	9.0	8.5	8.5	8.7	8.5
2	10.5	10.5	10.5	10.0	9.5	9.0	10.0	12.1	12.0	11.5	11.0	10.5	10.0	10.0	9.5
3	12.5	12.0	12.0	11.0	11.5	11.5	11.5	11.4	11.0	11.5	10.5	11.0	10.5	13.2	11.0
4	7.2	7.0	6.8	7.0	7.0	6.6	6.6	7.6	6.4	6.4	6.6	7.0	7.4	7.9	7.0
5	7.4	7.4	7.6	7.8	7.6	7.6	7.8	8.4	9.5	8.5	8.0	8.5	9.0	8.8	8.5
6	9.5	9.5	9.5	9.0	9.0	9.0	9.5	10.4	9.0	9.0	9.5	10.5	9.0	9.1	8.5
7	10.5	10.0	10.0	10.0	10.5	10.5	10.0	10.5	10.5	8.0	11.0	11.0	10.5	9.6	9.0
8	12.0	11.5	11.5	12.0	11.5	11.5	11.5	12.9	13.5	14.0	13.5	14.0	11.5	12.3	11.5
9	11.5	12.5	12.0	12.0	11.5	12.0	12.5	12.8	11.5	12.0	11.5	12.5	11.0	12.3	11.5
10	14.0	14.0	14.0	13.5	13.5	13.5	14.5	14.6	14.5	14.5	14.5	15.5	15.5	15.0	15.0
11	11.0	11.0	11.0	11.0	11.0	11.0	10.5	11.0	10.0	10.5	11.0	11.0	11.0	12.4	11.0
12	9.5	8.5	7.8	7.6	7.0	6.6	7.0	10.3	10.0	9.5	8.0	7.0	8.0	8.4	7.8
13	8.0	8.0	7.8	7.8	7.8	8.0	9.5	10.4	11.5	10.5	10.5	11.5	9.0	9.5	9.0
14	9.5	9.5	9.5	8.5	8.0	7.8	7.8	8.4	7.6	6.2	6.2	5.4	5.4	5.5	5.0
15	7.2	7.0	7.2	8.0	7.8	8.0	9.0	8.3	8.0	8.0	8.5	8.0	9.0	9.2	9.5
16	14.0	14.0	13.5	13.0	13.5	13.5	13.0	13.8	13.5	12.5	13.0	13.0	13.5	14.2	11.5
17	10.5	10.5	9.5	8.5	8.5	8.5	8.5	6.7	6.2	5.6	5.4	5.0	5.4	5.3	4.8
18	7.6	7.4	7.8	8.0	7.8	8.0	9.0	9.4	9.5	9.5	9.0	7.0	9.5	11.6	12.0
19	11.0	11.0	10.5	10.0	9.5	9.5	10.5	12.8	12.5	13.5	13.5	14.5	12.5	12.6	13.0
20	13.0	13.0	12.0	12.5	12.5	12.5	12.5	14.2	17.0	18.0	18.0	18.5	16.5	15.1	14.5
21	13.0	13.5	13.5	13.5	14.0	14.5	14.5	15.9	16.0	17.0	17.5	17.0	13.5	10.5	10.5
22	11.0	10.0	10.5	10.5	9.0	8.0	8.0	8.1	8.5	9.0	8.5	8.5	8.5	9.0	8.0
23	8.5	8.5	8.5	8.5	8.5	8.5	8.5	10.0	7.4	7.6	7.2	7.8	8.0	8.6	9.5
24	12.5	11.5	12.0	11.5	11.0	11.5	11.5	11.2	10.5	10.5	11.5	12.5	11.5	13.3	12.0
25	9.5	9.5	10.0	11.0	10.5	10.0	9.0	10.4	9.5	10.5	11.0	11.5	11.0	11.5	12.0
26	9.0	8.5	8.5	8.0	9.0	9.5	9.0	10.8	10.0	9.5	9.5	9.0	7.2	8.6	8.5
27	10.5	10.5	10.5	10.5	10.0	10.0	10.0	10.0	9.5	9.5	10.0	9.5	9.0	9.4	8.5
28	10.5	10.0	10.5	10.5	10.5	10.0	10.0	11.0	11.5	11.0	10.0	10.5	9.5	9.8	10.0
29	9.5	9.5	9.5	9.0	9.0	9.0	11.0	11.6	11.0	10.0	10.0	9.5	10.0	10.8	10.0
30	10.5	9.0	8.0	8.0	7.6	7.0	7.2	8.6	8.0	6.2	6.0	6.2	5.4	5.8	5.6
31	9.5	10.0	10.5	10.5	11.0	11.0	11.0	12.4	13.0	15.0	14.5	14.5	11.5	10.8	10.0
Prom.	10.5	10.3	10.2	10.1	10.0	9.9	9.7	10.8	10.6	10.4	10.4	10.5	10.0	10.3	9.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
39	39	47	64	79	87	89	81	82	98	2	36	13,14,15	62	69
43	50	56	66	73	87	93	97	98	98	6,24	43	15,16	55	76
62	56	60	71	86	76	76	75	79	99	1,2	44	13-14	55	72
44	44	48	72	85	93	98	100	100	100	23,24	44	15,16,17	56	72
43	58	63	71	82	87	88	88	95	100	0	41	15	59	75
36	37	45	64	78	87	89	91	90	99	5,6,7	36	16	63	72
32	34	48	62	72	75	73	77	81	96	5,6	31	15	65	66
39	39	55	69	80	82	87	86	80	90	5,6	37	14-15	53	68
43	47	62	78	87	91	93	89	92	93	22	40	13	53	69
81	80	83	89	93	94	95	95	95	96	12,13	80	17	16	91
63	63	72	84	89	91	88	92	97	97	24	63	16,17	34	85
31	46	55	70	79	78	66	73	77	98	varios	31	16	67	68
40	40	50	69	78	72	72	69	75	85	6	33	15	52	62
24	25	33	59	74	81	86	78	76	100	4	24	varios	76	62
34	40	56	68	78	82	79	79	76	87	6-7	30	14-15	57	61
66	82	87	97	95	95	96	96	97	97	19,24	49	11	48	75
21	23	41	68	69	76	87	89	84	97	0,1,2	21	16	76	62
56	54	77	88	92	94	91	93	95	95	3-4,24	45	12	50	77
40	46	58	75	76	82	86	87	81	100	6,7	40	14,16	60	72
92	87	85	92	96	95	96	96	97	97	24	67	10	30	83
35	42	51	61	70	68	61	63	87	97	0	30	14-15	67	70
40	41	47	69	86	92	96	97	99	99	24	39	15	60	71
50	65	85	88	91	95	84	84	84	100	1	31	12	69	72
58	67	73	79	84	86	79	77	70	96	6,7	54	15	42	75
51	50	58	68	80	82	80	60	67	84	4-5	48	14	36	65
46	52	64	73	86	92	93	90	86	97	6-7	39	12-13	58	70
47	53	66	78	86	92	95	100	100	100	23,24	40	15	60	75
45	48	57	74	85	93	98	100	99	100	varios	42	14	58	76
61	69	86	90	91	93	90	90	89	99	varios	42	12-13	57	77
28	30	47	60	60	65	67	74	82	94	6,7	27	15	67	61
40	43	46	67	75	83	88	93	95	95	24	40	16	55	75
46	50	60	74	82	85	86	86	87	96		41		55	72

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
8.5	8.5	9.5	10.0	11.3	11.0	11.0	10.5	10.5	14.5	2	7.8	10	6.7	10.6
9.5	10.5	10.5	11.0	10.6	11.5	11.5	12.0	12.0	12.1	8	9.0	6	3.1	10.6
11.0	8.5	8.5	9.5	9.9	8.5	8.0	7.4	7.4	13.2	14	7.4	23,24	5.8	10.4
7.0	6.8	7.0	8.5	8.6	8.0	8.0	7.6	7.7	8.6	20	6.4	9,10	2.2	7.2
8.5	10.0	9.5	10.0	10.8	10.0	9.5	9.5	9.5	10.8	20	7.4	1,2	3.4	8.7
8.5	8.0	8.5	10.5	11.4	11.5	11.5	11.0	10.0	11.5	21,22	8.0	17	3.5	9.6
9.0	9.0	11.0	13.0	13.0	12.0	11.5	12.0	12.5	13.0	19,20	8.0	10	5.0	10.6
11.5	11.0	13.0	14.5	15.3	14.5	14.5	14.0	12.0	15.3	20	11.0	17	4.3	12.7
12.0	12.5	15.0	16.5	15.9	15.5	14.5	13.5	14.5	16.5	19	11.0	13	5.5	12.9
14.0	13.0	13.0	12.5	12.6	12.0	11.5	11.0	11.5	15.5	12,13	11.0	23	4.5	13.6
11.0	11.0	12.0	11.0	11.4	11.0	9.5	9.5	9.5	12.4	14	9.5	22,23,24	2.9	10.8
7.6	10.0	9.0	10.0	10.7	9.5	8.0	8.5	8.5	10.7	20	6.6	6	4.1	8.6
9.5	9.0	9.5	11.0	11.4	10.5	10.5	8.5	8.5	11.5	9,12	7.8	3,4,5	3.7	9.5
5.0	4.6	5.6	7.6	8.3	8.0	8.0	7.2	7.2	9.5	1,2,3	4.6	17	4.9	7.2
9.0	10.0	13.5	14.0	15.2	15.5	14.5	14.5	15.0	15.5	21	7.0	2	8.5	10.2
12.0	11.5	12.0	11.5	11.6	11.0	11.5	11.0	11.0	14.2	14	11.0	21,23,24	3.2	12.6
4.8	4.6	7.2	9.0	8.4	8.5	9.0	8.5	7.6	10.5	1,2	4.6	17	5.9	7.4
13.5	13.5	14.0	13.5	13.2	12.5	12.0	12.0	11.5	14.0	18	7.4	2	6.6	10.4
11.0	13.0	14.0	15.5	15.4	16.0	16.5	16.0	15.0	16.5	22	9.5	5,6	7.0	12.9
14.5	14.0	13.5	15.0	14.8	13.5	13.5	13.5	13.5	18.5	12	12.0	3	6.5	14.4
10.0	12.5	13.0	14.0	13.4	12.5	11.0	9.5	12.0	17.5	11	10.0	16	7.5	13.4
8.0	8.5	8.5	9.0	10.1	10.0	9.5	9.5	9.0	11.0	1	8.0	varios	3.0	9.1
11.0	12.5	13.5	13.5	12.6	11.5	10.0	10.0	9.0	13.5	18,19	7.2	11	6.3	9.5
13.0	13.5	13.0	12.5	12.6	12.5	11.0	11.0	9.5	13.5	17	9.5	24	4.0	11.8
12.0	10.0	10.5	10.5	11.6	12.0	11.5	8.0	9.0	12.0	15,16,21	8.0	23	4.0	10.5
9.0	9.5	10.0	10.5	11.1	11.0	11.0	10.5	12.0	12.0	24	7.2	13	4.8	9.6
10.5	10.0	11.5	11.5	11.1	11.5	11.0	10.5	10.5	11.5	18,19,21	9.0	13	2.5	10.2
9.0	9.5	10.0	10.5	11.1	11.5	10.0	9.5	9.0	11.5	9,21	9.0	16,24	2.5	10.2
11.5	11.0	12.5	12.0	12.3	11.5	11.0	11.0	11.0	12.5	18	9.0	4,5,6	3.5	10.6
5.6	5.2	7.2	7.0	7.2	7.0	7.4	7.4	8.0	10.5	1	5.2	17	5.3	7.1
8.0	8.5	8.0	10.0	9.6	9.5	9.0	9.0	8.5	15.0	10	8.0	16,18	7.0	10.6
9.8	10.0	10.8	11.4	11.7	11.3	10.9	10.4	10.4	13.1		8.3		4.8	10.4

VIENTO: DIRECCIÓN Y VELOCIDAD: PREVALENCIAS

HORAS / DÍAS	0 – 1		1 – 2		2 – 3		3 – 4		4 – 5		5 – 6		6 – 7		7 – 8		8 – 9		9 – 10		10 – 11		11 – 12		12 – 13		13 – 14		14 – 15	
	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.
1	Calma	1	SW	2	S	3	SW	4	S	5	S	3	W	3	SW	7	S	8	S	4	S	10	S	13	S	13	S	12	S	12
2	SE	3	SE	3	SE	2	SE	3	Calma	0	SE	2	SE	2	Calma	1	N	8	N	9	N	10	N	9	N	9	N	10	N	9
3	NE	7	NE	9	N	9	N	12	N	11	N	10	N	10	N	14	N	18	NW	15	NW	16	NW	12	NW	11	W	6	SW	12
4	S	2	S	3	S	2	SW	3	S	5	SW	4	S	5	S	6	S	8	S	12	S	14	S	10	S	10	S	8	S	7
5	Calma	1	Calma	1	SE	2	Calma	1	SE	3	Calma	1	Calma	0	Calma	1	Calma	0	NW	5	SW	4	S	4	S	3	E	3	W	3
6	NW	2	N	4	N	3	Calma	0	N	2	N	3	Calma	0	N	3	NW	9	NW	14	N	14	N	14	N	11	N	9	N	9
7	N	6	N	3	NW	6	NW	3	N	2	N	6	NW	5	NW	10	NW	17	NW	16	NW	14	N	16	N	14	N	15	N	15
8	N	8	N	8	N	7	N	8	N	7	NW	7	N	7	N	9	N	15	N	12	NW	13	N	12	N	15	N	11	N	15
9	NE	5	NE	7	NE	9	NE	9	NE	9	N	7	N	8	N	14	N	15	NW	15	NW	15	NW	14	NW	10	W	11	W	7
10	Calma	0	Calma	1	SW	2	SW	6	SW	6	S	6	S	5	S	6	S	7	S	8	S	7	SW	3	SE	4	SW	9	S	14
11	S	6	S	5	S	5	S	5	S	6	S	6	S	4	S	4	S	7	S	7	S	7	SW	9	SW	7	SW	10	SW	11
12	SE	2	Calma	0	Calma	1	Calma	1	Calma	0	Calma	0	Calma	0	Calma	1	Calma	1	NW	6	NW	4	NW	5	NW	2	NE	4	NW	5
13	NE	7	N	6	N	6	N	5	N	8	N	6	N	5	N	10	NW	11	NW	15	NW	15	NW	18	W	12	SW	12	SW	9
14	SE	3	Calma	0	Calma	1	W	2	W	5	W	6	W	8	W	3	W	8	SW	10	SW	9	SW	11	SW	11	SW	11	SW	9
15	NW	6	NW	8	NW	8	NW	6	NW	8	NW	9	NW	7	NW	8	NW	15	NW	18	NW	23	NW	17	NW	21	NW	23	NW	23
16	NW	19	NW	19	NW	21	NW	20	NW	13	NW	8	NW	16	NW	24	NW	25	NW	27	NW	21	W	23	SW	14	S	14	SE	14
17	SW	4	SW	4	SW	7	SW	6	SW	4	SW	3	W	6	SW	5	SW	8	SW	7	S	6	SW	4	SW	5	SW	5	W	3
18	Calma	1	Calma	0	Calma	1	Calma	1	NW	2	Calma	0	Calma	1	NE	2	NW	10	N	12	NW	13	N	14	N	9	NW	8	NW	9
19	NW	5	NW	6	NW	2	Calma	0	Calma	0	Calma	1	Calma	1	N	4	N	11	N	11	NE	14	NE	12	N	13	N	14	N	12
20	NE	9	NE	13	NE	13	N	10	N	9	N	6	NE	10	NE	8	N	9	N	8	N	11	N	9	NW	8	NW	14	NE	9
21	NW	2	Calma	1	NW	2	Calma	1	Calma	0	SW	6	SW	7	SW	5	SW	7	SW	7	SW	7	SW	6	SW	6	S	5	S	7
22	S	9	S	8	S	5	S	3	S	6	S	6	S	5	S	6	SW	10	SW	8	SW	10	SW	11	SW	11	SW	11	SW	11
23	Calma	0	Calma	1	NW	2	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	N	4	N	7	N	7	NW	5	N	7	NW	5	NE	6
24	S	3	S	5	S	4	S	3	SE	2	Calma	1	Calma	1	SE	6	E	5	E	7	E	8	E	7	NE	9	NE	8	NE	5
25	E	13	E	14	E	9	E	9	E	7	E	10	E	10	E	11	NE	16	NE	13	NE	13	NE	10	NE	12	NE	13	NE	17
26	NE	9	NE	7	NE	6	NE	7	NE	9	NE	4	Calma	1	NE	8	NE	21	NE	15	NE	17	NE	14	NE	14	NE	13	NE	14
27	E	8	E	7	NE	5	NE	5	NE	5	NE	5	NE	4	NE	6	N	10	NW	10	NW	8	NW	5	SW	3	NE	5	E	4
28	NE	2	Calma	0	N	4	NW	4	NE	4	Calma	1	Calma	1	NW	3	NW	9	NW	5	NW	2	N	5	NE	5	NE	5	NE	11
29	Calma	0	Calma	0	Calma	1	Calma	0	NW	2	Calma	1	NW	6	NW	3	W	7	W	8	SW	8	SW	9	SW	7	NW	5	W	14
30	SE	4	SE	4	SE	2	SE	3	SE	2	E	3	Calma	0	Calma	0	NE	7	NE	7	NE	5	N	4	NE	8	NW	7	NW	10
31	NW	8	NW	11	NW	10	NW	12	NW	10	NW	10	NW	6	NW	9	NW	9	W	10	W	9	SW	9	SW	8	SW	9	SW	15
DIRECCION PREVALENTE	NW-NE Calma		Calma		NW		Calma		N-NW		Calma		Calma		N-NW		N-NW		NW		NW		N-SW		SW		SW		NE-SW	
NUMERO DE HORAS	6		9		7		8		6		8		10		6		8		11		11		8		9		7		6	
PROM. HOR. DE LA VELOCIDAD		5		5		5		5		5		4		5		6		10		10		11		10		9		10		10

15 – 16		16 – 17		17 – 18		18 – 19		19 – 20		20 – 21		21 – 22		22 – 23		23 – 24		PREVALENCIA DIARIA		PROMEDIO DIARIO DE VELOCIDAD	VELOCIDAD INSTANTÁNEA		
DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIRECCIÓN	NÚMERO DE HORAS		VELOCIDAD	DIRECCIÓN	HORA
S	13	S	9	S	6	Calma	1	Calma	1	Calma	0	Calma	1	SE	5	SE	5	S	13	6	24	S	14.00
N	7	N	8	NE	10	NE	10	NE	6	NE	4	NE	6	NE	6	NE	6	N	9	6	14	W	12.24
S	14	S	17	S	13	SE	5	SE	2	S	3	S	6	S	5	S	4	N S	7	10	32	E	15.47
S	6	S	3	S	3	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	S	16	5	20	S	9.59
NW	4	E	6	E	10	NE	5	NE	3	N	4	Calma	1	N	5	NW	4	Calma	8	3	12	E	16.48
S	9	NE	9	NE	7	NE	6	NE	5	NE	5	NE	5	N	4	N	3	N	13	6	24	NW	13.34
N	13	N	10	N	10	N	7	N	10	N	9	N	9	N	8	N	8	N	17	10	22	N	9.40
N	14	N	13	NE	11	NE	7	NE	5	NE	6	NE	6	NE	7	NE	5	N	15	9	20	N	12.06
NE	4	NE	7	E	4	E	4	Calma	1	SE	2	Calma	0	S	2	S	2	NE	7	8	20	N	9.38
S	11	S	9	S	8	SE	7	SE	3	S	5	SW	2	S	5	S	3	S	13	6	22	S	15.24
SW	11	SW	9	SW	8	SW	5	SW	4	SW	4	Calma	1	SE	2	SE	2	S	11	6	19	SW	14.30
NW	2	NE	6	NE	11	NE	7	NE	6	NE	4	NE	8	NE	8	NE	8	NE	9	4	12	NE	17.23
SW	9	SW	3	SW	3	Calma	0	W	2	NW	3	W	7	S	11	S	6	W	7	8	23	NW	10.08
SW	9	SW	7	SW	3	Calma	0	Calma	1	Calma	0	NW	3	N	3	NW	3	SW	9	5	-	-	-
NW	20	NW	21	N	15	N	11	N	9	N	10	N	10	N	9	N	16	NW	17	13	38	N	12.56
SE	15	SE	8	SE	6	SE	7	NE	5	Calma	1	W	3	SW	3	SW	2	NW	11	14	43	NW	7.52
SW	5	W	3	W	2	Calma	0	N	3	NW	4	W	3	W	5	SW	3	SW	14	4	17	SW	8.57
NW	9	N	8	N	10	N	9	N	6	NW	6	NW	6	NW	6	NW	4	NW	10	6	26	N	11.04
N	15	NE	14	N	5	E	8	E	9	E	6	E	6	E	7	NE	8	N	8	8	22	NE	15.47
N	10	SW	11	S	5	S	3	N	2	Calma	1	Calma	0	NW	2	Calma	0	N	9	7	49	NW	12.58
S	9	S	2	Calma	1	S	2	S	2	SW	6	SW	9	SW	9	S	10	SW	11	5	23	S	23.52
SW	11	SW	8	SW	5	Calma	1	Calma	0	Calma	0	Calma	1	Calma	0	Calma	0	SW	10	6	26	SW	14.42
NE	8	NE	9	NW	9	W	4	SW	8	NW	5	NE	21	NE	9	NE	5	NE	6	5	36	NE	21.20
E	7	NE	9	E	9	E	9	E	5	E	4	E	9	E	12	E	14	E	12	6	18	E	22.40
E	13	E	13	E	10	E	6	E	5	E	7	E	9	NE	10	NE	7	E	15	11	23	NE	16.08
NE	14	NE	9	E	6	E	5	SE	3	SE	2	SE	4	E	8	E	10	NE	16	9	24	E	12.08
NE	7	NE	16	NE	9	NE	5	NE	4	NE	4	NE	3	NE	2	NE	3	NE	16	6	23	NE	15.48
NE	10	NE	10	NE	6	NE	4	NE	4	NE	2	Calma	0	Calma	0	Calma	1	NE	10	4	19	N	14.46
SW	13	SW	8	SW	6	W	5	SW	5	SW	3	SW	7	S	3	S	3	SW	9	5	29	SW	16.00
NW	10	NW	8	NW	8	N	5	NW	5	NW	6	NW	6	NW	5	NW	6	NW	10	5	20	NW	14.46
SW	19	SW	26	S	17	S	15	S	12	S	7	S	7	S	6	S	7	NW	9	11	47	SW	16.24
SW		NE		NE-S		NE		NE		NE-Calma		Calma		NE-S		NE-S		PREVALENCIA MENSUAL		VELOCIDAD MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		Dirección	Horas		36 Km.		
7		9		6		7		8		6		8		6		7		NW	120	7	DIRECCIÓN	DÍA	HORA
	10		10		8		5		4		4		5		5		5				NW	16	de 8.50 a 9.00
																					NE	23	de 21.10 a 21.20

FRECUENCIAS, KILÓMETROS RECORRIDOS Y VELOCIDAD MEDIA POR DIRECCIÓN

DÍAS	NORTE		NORESTE		ESTE		SUDESTE		SUD		SUDOESTE		OESTE		NOROESTE		Calma	TOTALES DIARIOS DE KILÓMETROS
	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	
1							2	10	13	111	3	13	1	3			5	141
2	9	79	7	48			6	15									2	143
3	7	84	2	15			2	7	7	62	1	12	1	6	4	54		240
4									16	104	2	7					6	112
5	2	9	2	8	3	19	2	5	2	7	1	4	1	3	3	13	8	74
6	13	88	6	37											3	25	2	150
7	17	161													7	71		232
8	15	161	7	47											2	20		228
9	4	44	7	50	2	8	1	2	2	4			2	18	4	54	2	181
10							3	14	13	94	6	28					2	137
11							2	4	11	62	10	78					1	145
12			9	62			1	2							6	24	8	92
13	7	46	1	7					2	17	5	36	3	21	5	62	1	189
14	1	3					1	3			9	80	6	32	2	6	5	126
15	7	80													17	241		321
16			1	5			5	50	1	14	3	19	2	26	11	213	1	328
17	1	3							1	6	14	70	6	22	1	4	1	105
18	7	68	1	2											10	72	6	146
19	8	85	4	48	5	36									3	13	4	184
20	9	74	6	62					2	8	1	11			3	24	3	180
21									7	37	11	75			2	4	4	119
22									8	48	10	96					6	146
23	4	25	6	58							1	8	1	4	5	26	7	123
24			4	31	12	96	2	8	4	15							2	152
25			9	111	15	146												257
26			16	181	4	29	3	9									1	220
27	1	10	16	88	3	19					1	3			3	23		143
28	2	9	10	59											6	27	6	98
29									2	6	9	66	4	34	4	16	5	124
30	2	9	4	27	1	3	5	15							10	71	2	125
31									7	71	6	86	2	19	9	85		261
SUMAS	116	1038	118	946	45	356	35	144	98	666	93	692	29	188	120	1148	90	5222
% PREVAL POR VELOCIDAD	19.9		18.1		6.8		2.8		12.8		13.2		3.6		22.0		0.8	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	9		8		8		4		7		7		6		10		0	166

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	2	6	2	4	4	1		6	6
1 - 2	4	4	2	2	4	2		4	9
2 - 3	5	4	1	3	5	2		7	4
3 - 4	4	3	1	2	3	4	1	5	8
4 - 5	6	3	1	3	4	2	1	6	5
5 - 6	6	2	2	1	4	3	1	4	8
6 - 7	4	2	1	1	4	1	3	5	10
7 - 8	6	4	1	1	4	3	1	6	5
8 - 9	8	3	1		4	3	2	8	2
9 - 10	6	3	1		4	4	2	11	
10 - 11	4	4	1		5	5	1	11	
11 - 12	8	3	1		3	8	1	7	
12 - 13	7	5		1	3	9	1	5	
13 - 14	5	6	1		4	7	2	6	
14 - 15	5	6	1	1	4	6	4	4	
15 - 16	6	5	2	1	5	7		5	
16 - 17	4	9	2	1	5	7	1	2	
17 - 18	4	6	5	1	6	5	1	2	1
18 - 19	4	7	5	3	3	1	2		6
19 - 20	5	8	3	3	2	3	1	1	5
20 - 21	3	6	3	2	3	3		5	6
21 - 22	2	6	3	1	2	3	3	3	8
22 - 23	5	6	3	2	6	2	1	3	3
23 - 24	3	7	2	2	7	2		4	4
SUMAS	116	118	45	35	98	93	29	120	90
% de frec. por dirección	15.6	15.9	6.0	4.7	13.2	12.5	3.9	16.1	12.1

NUBES. VISIBILIDAD

DÍAS	NUBES 8h CLASE	0-8	NUBES 12h CLASE	0-8	NUBES 14h CLASE	0-8	NUBES 18h CLASE	0-8	NUBES 20h CLASE	0-8	VISIBILIDAD 8h	14h	20h
											90 - 99		
* 1	Sc	7	Ac	1	Claro	0	Claro	0	Claro	0	98	99	98
2	Claro	0	Cu	1	Claro	0	Claro	0	Claro	0	5	9	7
3	Claro	0	Claro	0	Sc	7	Sc	7	Claro	0	9	9	9
4	Claro	0	Claro	0	Claro	0	Ci	2	Claro	0	9	8	9
5	Ci	6	Ci 3 Cc 2	5	Ci	4	Ci	3	Sc	1	4	8	7
6	Claro	0	Claro	0	Ci	1	Ci	1	Claro	0	8	8	5
7	Cc	1	Ci	1	Claro	0	Claro	0	Claro	0	9	9	8
8	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	7	8	7
9	Claro	0	Ci	2	Ac	7	As 4 Cs 2 Ac 1	7	Ci	1	8	8	6
10	Ns	8	Ns	8	Ac	6	Sc	7	Ac	1	5	7	7
11	St	8	St	8	Cu	3	Cu	1	Claro	0	7	8	7
12	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	7	9	6
13	Ci	1	Ac.	2	Cu 2 Ci 4	6	Cc	4	Ac	1	8	8	4
14	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	9
15	Claro	0	Ci	3	Ci	6	Cs	8	Ci	6	8	7	8
16	Cc	7	Ac	7	Cu	7	Ns	8	Sc 4 Cb 2	6	7	8	6
17	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	7	8	6
18	Ac 3 As 4	7	As	7	As 5 Ci 1	6	Cs	6	Claro	0	7	7	7
19	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	8	7
20	Ci	1	Ci	2	Ns	8	Ci	6	Ci	2	8	8	7
21	Ac 5 Cc 3	8	As 2 Cs 5	7	Ac 1 Ci 7	8	Cs	7	Ci	2	6	8	9
22	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	9	9
23	Claro	0	Ci	1	Ac 1 Cc 2	3	Ac	8	Ns	8	7	8	6
24	Cs	6	Cs	6	Cu	2	Claro	0	Ci	1	5	8	5
25	Claro	0	Claro	0	Cu	1	Claro	0	Claro	0	9	9	7
26	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	8
27	Ac	2	Ac	1	Claro	0	Ac	3	Claro	0	9	8	9
28	Ci	1	Ci	1	Ci	3	Ci	1	Ci	1	8	9	7
29	Cc	1	Cs	6	Cu 2 As 6	8	As	8	Claro	0	8	9	8
30	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	5	9	8
31	Cu	6	Cu	6	Cu	3	Cu	1	Claro	0	7	7	9
Prom.		2		2		3		3		1			

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9	21.3	19.0	0.19	7	3	4	
	10	42.3	26.6	1.28	7	4	5	
1	12	49.1	29.8	1.57	0	5	5	
	14	48.2	29.9	1.49	0	5	5	
	15	47.4	29.2	1.48	0	5	5	
	9	37.2	22.4	1.20	3	5	4	
	10	46.3	26.2	1.63	1	5	5	
2	12	48.1	28.6	1.58	0	5	5	
	14	47.1	29.0	1.47	0	5	5	
	15	47.3	29.1	1.48	0	5	5	
	9	44.0	26.0	1.46	0	5	5	
	10	47.4	28.6	1.53	0	5	5	
3	12	49.5	30.9	1.51	0	5	5	
	14	38.0	28.0	0.81	7	3	5	
	15	30.9	24.4	0.53	7	0	5	
	9	41.0	20.5	1.67	0	5	5	
	10	42.6	21.4	1.72	0	5	5	
4	12	45.0	23.5	1.75	0	5	5	
	14	44.8	25.2	1.59	0	5	5	
	15	44.5	24.5	1.63	1	5	5	
	9	37.1	20.8	1.33	5	5	3	Ne.
	10	42.4	23.4	1.54	5	5	4	Ne.
5	12	46.3	25.8	1.67	4	5	4	
	14	40.4	25.3	1.23	4	5	5	
	15	44.4	26.5	1.46	3	5	5	
	9	41.7	24.0	1.44	0	5	5	
	10	44.7	25.6	1.55	0	5	5	
6	12	47.6	28.5	1.55	0	5	5	
	14	48.4	29.4	1.54	1	5	5	
	15	46.8	29.0	1.45	1	5	5	
	9	44.1	26.6	1.42	1	5	5	
	10	47.7	29.4	1.49	1	5	5	
7	12	50.4	31.7	1.52	1	5	5	
	14	50.6	32.8	1.45	0	5	5	
	15	49.4	32.2	1.40	0	5	5	
	9	46.6	28.3	1.49	0	5	5	
	10	49.9	31.0	1.54	0	5	4	B.
8	12	52.6	33.5	1.55	0	5	5	
	14	52.5	34.2	1.49	0	5	5	
	15	51.2	33.8	1.41	0	5	5	
	9	47.1	29.4	1.44	0	5	5	
	10	50.3	31.8	1.50	0	5	5	
9	12	42.1	31.2	0.84	4	5	5	
	14	39.4	30.2	0.75	7	5	5	
	15				7	5	5	Z.
	9				8	0	3	LL.
	10				8	0	3	LL.
10	12				8	0	3	LL.
	14				6	0	5	Am.
	15				7	0	5	Am.
	9				8	0	4	Am.
	10				8	0	4	Am.
11	12				8	0	4	Am.
	14	43.4	25.2	1.48	3	5	5	
	15	45.4	25.9	1.58	5	5	5	
	9	42.7	24.4	1.49	0	5	5	
	10	46.4	26.9	1.58	0	5	5	
12	12	48.7	29.2	1.58	0	5	5	
	14	48.1	29.7	1.50	0	5	5	
	15	47.0	29.1	1.46	0	5	5	
	9	43.9	26.1	1.45	1	5	5	
	10	48.1	29.6	1.50	1	5	5	
13	12	51.6	32.8	1.53	2	5	5	
	14	44.1	30.7	1.09	5	5	5	
	15	47.3	31.4	1.29	5	5	5	
	9	42.0	22.4	1.59	0	5	5	
	10	45.1	25.0	1.63	0	5	5	
14	12	48.0	28.1	1.62	0	5	5	
	14	47.6	28.6	1.54	0	5	5	
	15	46.7	28.1	1.51	0	5	5	
	9	43.9	26.4	1.42	0	5	5	
	10	47.2	28.7	1.50	2	5	5	
15	12	50.6	32.0	1.51	3	5	5	
	14	51.4	33.1	1.49	6	5	5	
	15	49.4	32.9	1.34	4	5	5	
	9	44.9	28.6	1.33	7	5	5	
	10	40.7	29.4	0.92	7	4	5	
16	12				8	4	5	Am.
	14	36.2	26.2	0.81	7	4	5	
	15				7	1	5	Am.

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9	39.0	20.4	1.51	0	5	5	
	10	43.3	23.2	1.63	0	5	5	
17	12	46.2	26.2	1.63	0	5	5	
	14	46.5	27.5	1.54	0	5	5	
	15	46.5	27.3	1.56	1	5	5	
	9	27.2	18.2	0.73	7	1	3	
	10	29.2	20.0	0.75	8	0	3	
18	12	36.4	23.5	1.05	5	2	5	
	14	47.6	28.3	1.57	5	4	5	
	15	43.3	27.6	1.28	6	4	5	
	9	44.1	27.2	1.37	0	5	5	
	10	48.1	30.2	1.46	0	5	5	
19	12	51.3	33.4	1.46	0	5	5	
	14	51.6	34.0	1.43	0	5	5	
	15	45.8	31.8	1.14	0	5	5	
	9	46.6	29.4	1.40	3	5	5	
	10	47.9	31.6	1.33	4	5	5	
20	12				8	0	5	Ru., Am.
	14				8	0	4	LL.
	15				8	0	5	LL.
	9	34.6	24.7	0.80	8	0	4	Ne.
	10	43.8	28.1	1.28	3	2	4	Ne.
21	12	54.6	34.4	1.64	3	5	5	
	14	54.5	36.0	1.50	8	4	5	
	15	48.7	34.0	1.20	8	2	4	B.
	9	39.4	20.5	1.54	0	5	5	
	10	42.7	22.9	1.61	0	5	5	
22	12	46.8	27.0	1.61	0	5	5	
	14	47.0	28.8	1.48	0	5	5	
	15	45.5	27.8	1.44	0	5	5	
	9	41.9	25.3	1.35	1	5	5	
	10	46.7	28.0	1.52	1	5	5	
23	12	49.2	30.6	1.51	1	5	5	
	14	49.0	31.4	1.43	3	5	5	
	15	36.6	27.6	0.73	5	4	5	
	9	32.3	21.7	0.86	7	4	3	
	10	39.5	25.4	1.15	7	5	3	Ne.
24	12	47.4	29.4	1.46	3	5	5	
	14	47.6	29.8	1.45	2	5	5	
	15	46.6	29.1	1.42	2	5	5	
	9	41.6	24.3	1.41	0	5	5	
	10	44.3	26.2	1.47	0	5	5	
25	12	47.4	29.3	1.47	0	5	5	
	14	46.6	29.7	1.37	1	5	5	
	15	45.6	28.8	1.36	0	5	5	
	9	41.3	23.4	1.46	0	5	5	
	10	43.9	25.4	1.50	0	5	5	
26	12	46.3	27.4	1.54	0	5	5	
	14	45.9	27.9	1.46	0	5	5	
	15	43.2	26.3	1.37	0	5	5	
	9	41.5	23.0	1.50	2	5	5	
	10	45.0	25.5	1.58	1	5	5	
27	12	47.7	28.0	1.60	1	5	5	
	14	47.2	29.2	1.46	0	5	5	
	15	45.2	28.3	1.37	2	4	5	
	9	41.8	24.8	1.38	0	5	5	
	10	45.2	27.3	1.46	1	5	5	
28	12	47.9	30.1	1.45	2	5	5	
	14	44.9	29.4	1.26	3	5	5	
	15	45.0	29.1	1.29	3	5	5	
	9	43.8	26.6	1.40	1	5	5	
	10	45.8	28.6	1.40	1	5	5	
29	12	40.4	27.8	1.02	5	5	5	
	14	40.5	28.4	0.98	8	3	5	
	15	28.4	23.8	0.37	8	3	5	
	9	40.5	22.7	1.45	0	5	5	
	10	43.9	24.8	1.55	0	5	5	
30	12	46.2	27.3	1.54	0	5	5	
	14	45.4	27.5	1.46	0	5	5	
	15	43.4	26.4	1.38	0	5	5	
	9	24.5	19.7	0.39	6	4	4	
	10				8	0	3	LL.
31	12	42.4	27.5	1.21	7	4	5	
	14	42.0	27.4	1.19	3	5	5	
	15	35.0	27.0	0.65	5	3	5	

HELIOFANÍA

DÍAS \ HORAS	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H.EFECTIVA	H.TEÓR.ASTRON	H.RELATIVA
1					0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	8.9	12.7	70
2		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	11.8	12.7	93
3		0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.2	0.1	0.2	0.1		8.4	12.7	66
4		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	12.1	12.6	96
5		0.1		0.7	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0			8.7	12.6	69
6		0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8		11.1	12.5	89
7		0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7		11.4	12.5	91
8		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9		11.5	12.5	92
9		0.7	1.0	1.0	1.0	1.0	0.8	0.4	0.1		0.5	0.3	0.1		6.9	12.4	56
10															0.0	12.4	00
11									0.6	1.0	1.0	1.0	1.0		4.6	12.4	37
12		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.6	12.3	94
13		0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.7	0.2	0.6	0.2		9.3	12.3	76
14		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.8	12.3	96
15		0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	0.3		9.8	12.2	80
16		0.4	0.7	0.4	0.8	0.6	0.6	0.1	0.4	0.1					4.1	12.2	34
17		0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8		11.2	12.1	93
18							0.3	0.8	1.0	1.0	1.0	1.0	0.5		5.6	12.1	46
19		0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7		11.0	12.1	91
20		0.4	1.0	1.0	1.0	0.3						0.1	0.9		4.7	12.0	39
21			0.2	0.2	0.4	0.7	1.0	1.0	1.0	0.7	0.9	0.1	0.5		6.7	12.0	56
22		0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7		11.2	12.0	93
23		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8					8.4	11.9	71
24		0.1	0.8	0.5	0.5	1.0	1.0	1.0	1.0	1.0	0.8	0.5			8.2	11.9	69
25		0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3		10.6	11.9	89
26		0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3		10.6	11.8	90
27		0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.2		10.2	11.8	86
28		0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.4	0.1		9.3	11.7	80
29			0.9	1.0	1.0	1.0	1.0	0.7							5.6	11.7	48
30			0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8		10.6	11.7	91
31			0.3	0.7	0.2	0.9	1.0	1.0	1.0	1.0	0.9	1.0	0.1		8.1	11.6	70
Medias		0.4	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.5	0.0	8.9	12.2	73

GEOTEMPERATURA

DÍAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h
1	20.8	23.5	22.1	20.5	22.1	21.9	19.6	19.9	20.4	20.3	20.4	20.6	23.2	23.3	23.2
2	19.3	23.6	22.2	19.5	21.9	21.8	19.5	19.7	20.5	20.4	20.3	20.5	23.3	23.3	23.1
3	20.1	24.0	21.9	20.0	22.2	21.9	19.6	20.0	20.5	20.4	20.4	20.7	23.3	23.3	23.2
4	18.4	21.8	20.4	18.9	20.9	20.5	19.0	19.1	19.6	20.2	20.0	20.0	23.2	23.1	22.9
5	17.5	21.4	20.6	18.1	20.3	20.3	18.2	18.4	19.1	19.5	19.3	19.5	22.8	22.6	22.5
6	18.4	22.4	21.2	18.6	20.9	20.8	18.4	18.8	19.5	19.5	19.5	19.7	22.7	22.5	22.5
7	18.7	23.7	22.2	18.9	21.7	21.7	18.6	19.1	20.6	19.6	19.6	20.1	22.7	22.7	22.6
8	20.1	25.4	23.2	20.0	22.7	22.7	19.4	19.9	20.7	20.2	20.1	20.5	22.9	22.9	22.9
9	20.9	25.2	23.4	20.7	23.0	22.9	20.1	20.6	21.0	20.7	20.4	20.8	23.2	23.3	23.2
10	21.9	21.9	21.5	21.5	21.5	21.3	20.4	20.3	20.2	20.8	20.7	20.6	23.4	23.4	23.3
11	20.2	21.2	20.7	20.1	20.5	20.7	19.5	19.4	19.5	20.2	20.1	20.0	23.1	23.1	22.8
12	17.4	23.2	21.2	18.2	21.3	20.9	18.5	18.7	19.5	19.6	19.4	19.7	22.6	22.6	22.5
13	18.5	23.9	21.8	18.7	21.6	21.4	18.6	19.0	19.7	19.6	19.5	19.7	22.5	22.5	22.4
14	18.5	22.9	20.5	19.0	21.2	20.7	18.9	19.0	19.4	19.7	19.6	19.7	22.6	22.8	22.4
15	18.3	23.4	22.2	18.5	21.2	21.4	18.4	18.8	18.7	19.5	19.4	19.7	22.5	22.5	22.4
16	20.9	23.8	20.7	20.5	22.0	20.4	19.4	19.8	19.7	20.0	19.9	20.0	22.6	22.7	22.6
17	18.3	22.2	20.3	18.7	20.8	20.5	18.4	19.7	19.3	19.4	19.4	19.4	22.6	22.5	22.3
18	17.8	21.2	20.8	18.2	19.5	20.1	18.0	18.1	18.5	19.1	18.8	19.0	22.2	22.1	21.9
19	18.9	23.7	22.3	18.7	20.3	21.5	18.1	18.6	19.4	18.9	18.9	19.4	21.9	22.0	21.9
20	20.6	22.7	21.6	20.2	21.5	25.1	19.3	19.7	19.6	19.7	19.5	19.8	22.5	22.3	22.3
21	20.5	24.6	23.0	20.1	22.6	22.6	19.1	19.7	20.5	19.7	19.9	20.2	22.4	22.5	22.5
22	19.7	23.0	21.2	20.0	21.7	21.2	19.6	19.6	20.0	20.2	20.2	20.2	22.8	22.8	22.7
23	18.0	22.9	21.4	18.5	21.1	21.0	18.7	18.9	19.5	19.7	19.5	19.7	22.6	22.5	22.3
24	19.3	23.0	21.5	19.3	21.3	21.3	18.9	19.1	19.2	19.6	19.6	19.7	22.5	22.5	22.3
25	19.5	23.1	21.4	19.5	21.5	21.1	19.0	19.2	19.6	19.7	19.7	19.8	22.5	22.5	22.4
26	18.7	22.2	20.5	19.0	20.9	20.5	18.8	18.9	19.2	19.6	19.5	19.5	22.5	22.5	22.3
27	18.6	22.5	20.8	18.7	20.9	20.6	18.5	18.7	19.3	19.4	19.3	19.5	22.3	22.3	22.2
28	18.3	22.6	20.9	18.5	20.9	20.6	18.4	18.7	19.1	19.3	19.1	19.3	22.3	22.2	22.1
29	18.1	22.3	20.8	18.4	20.7	20.3	18.2	18.5	19.2	19.1	19.0	19.2	22.1	22.1	22.0
30	17.6	21.6	19.8	18.2	20.1	19.7	18.1	18.2	18.6	19.1	18.9	18.0	22.1	22.0	21.8
31	18.4	22.0	20.1	18.4	20.3	19.9	17.9	18.1	18.7	18.7	18.7	18.8	21.8	21.8	21.7
Prom.	19.1	22.9	21.4	19.2	21.3	21.2	18.9	19.2	19.6	19.7	19.6	19.8	22.6	22.6	22.5

LLUVIA, ESTADO DEL SUELO, ETC...

DÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en %						Freatímetro
	50 cm.	1.50 m.	7 m.	18 m.		8h	14h	20h	Total	Punto	7 cm.	15 cm.	30 cm.	60 cm.	1 m.	
1	2.2	3.3	2.7	-	2	0.2	2.2	1.9	4.5							9968
2					0	0.4	1.6	1.7	3.7							9968
3					0	0.4	2.8	1.4	4.8	Ñ.13	17.0	15.0	18.2			9968
4	0.0	0.0	0.0	0.0	0	0.6	1.7	1.2	3.0							9976
5					0	0.1	1.4	1.5	3.1							9977
6					0	0.2	2.3	1.9	4.7							9977
7					0	0.5	3.1	2.7	6.6							9978
8					0	0.8	2.8	2.5	6.1	Ñ.14	9.7	12.2	18.5			9980
9					0	0.8	2.7	2.0	5.4							9980
10	0.0	0.0	0.0	0.0	1	0.7	0.0	0.4	0.7							9989
11	3.8	3.8	3.2	3.4	0	0.3	0.4	1.0	1.6							9993
12					0	0.2	1.8	1.8	4.3							9998
13					0	0.7	2.9	1.6	5.4	Ñ.15	9.9	9.9	17.6	17.8		10000
14					0	0.9	2.5	1.9	5.5							10005
15					0	1.1	4.1	3.2	9.4							10013
16					2	2.1	2.4	0.9	3.6							10016
17	14.0	12.7	13.6	14.0	1	0.3	2.4	1.7	4.2							10018
18					0	0.1	2.1	1.5	3.8	Ñ.16	13.2	11.2	15.6			10024
19					0	0.2	2.4	2.1	5.7							10026
20					2	1.2	1.1	0.3	1.7							10028
21	-	3.2	-	-	1	0.3	1.4	2.0	4.7							10035
22					0	1.3	1.7	1.4	3.3							10039
23					2	0.2	2.4	1.4	4.3	Ñ.17	9.9	9.3	15.7			10039
24	5.3	6.8	5.1	5.3	0	0.5	1.4	1.2	4.1							10045
25					0	1.5	2.2	1.8	5.3							10047
26					0	1.3	2.1	1.8	4.4							10050
27					0	0.5	1.7	1.7	3.4							10058
28					0	0.0	2.0	1.8	3.9	Ñ.18	7.6	8.9	15.3			10059
29					1	0.1	1.8	1.1	3.1							10064
30	0.0	0.3	0.0	0.0	0	0.2	2.4	2.3	5.3							10067
31					0	0.6	1.4	2.5	4.4							10069
Prom.	-	30.1	-	-	-	0.6	2.0	1.7	4.3	-	-	-	-	-	-	10015

0.50 m.			1 m.			2 m.	3 m.	Temper. Mínima de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos
8h	14h	20h	8h	14h	20h	8h	8h		
22.6	22.5	22.4	22.5	22.9	22.5	21.5	19.8	15.0	Cn. m., Ca. t. y n., r. n.
22.5	22.5	22.3	22.5	22.4	22.4	21.5	19.8	7.8	Ca. m. t. y n., Ne.Ns.dv. m.
22.5	22.5	22.4	22.3	22.4	21.3	21.5	19.8	9.5	Ca. m. y n., Cn. t., r. n.
22.4	22.4	22.3	22.2	22.3	22.2	21.5	19.8	3.6	Ca. m. t. y n., r. m. y n.
22.2	22.2	22.0	22.0	22.2	22.1	21.5	19.6	3.4	Cn. m. y t., Ca. n., Ns. m., Ne. n.
22.0	22.0	21.8	22.1	22.1	22.1	21.5	19.6	6.1	Ca. m. t. y n., Ns. m., B. t.
22.0	22.1	21.9	22.0	22.1	21.9	21.5	19.8	5.7	Ca. m. t. y n., Ns. m., r. m. y n.
22.1	22.1	22.1	21.8	22.0	22.0	21.5	19.8	10.8	Ca. m. t. y n., Ne. t.
22.2	22.4	22.2	21.9	21.9	21.9	21.4	19.8	9.9	Ca. m. y n., Cn. t., CH. t., Ne. t.
22.4	22.5	22.3	21.8	21.9	21.9	21.4	19.8	15.0	Cn. m. y t., Ca. n., LL. m.
22.2	22.2	21.9	21.9	22.0	21.9	21.8	19.9	11.0	Cn. m. y t., Ca. n., r. m.
21.8	21.8	21.5	21.8	21.9	21.8	21.4	19.9	0.8	Ca. m. t. y n., Ne. r. m.
21.7	21.7	21.5	21.6	21.8	21.8	21.3	20.0	5.9	Ca. m. y n., Cn. t., r. m., Ns. t., Ne. n.
21.7	21.8	21.6	21.6	21.7	21.7	21.8	19.9	3.0	Ca. m. t. y n.
21.7	21.8	21.6	21.6	22.0	21.7	21.7	19.9	6.4	Ca. m., Cn. t. y n., Jl. n.
21.7	21.7	21.7	21.6	21.7	21.7	21.3	20.0	11.7	Cn. m. t. y n., LL.Ru. t. y n.
21.5	21.7	21.6	21.4	21.6	21.5	21.2	19.9	4.1	Ca. m. t. y n., r. m. y n., Ne. n.
21.3	21.3	21.3	21.3	21.4	21.4	21.1	19.8	4.1	Cn. m. y t., Ca. n., r. n.
21.2	21.2	21.1	21.3	21.3	21.4	21.2	20.0	10.4	Ca. m. t. y n., r. m., Ne. n.
21.4	21.3	21.1	21.3	21.3	21.3	21.2	20.0	12.8	Ca. m. y n., Cn. t., Ru.LL. t.
21.4	21.5	21.5	21.3	21.4	21.4	21.1	20.0	13.6	Cn. m. y t., Ca. n., Ds.Js. m., Jl. n., r. n.
21.6	21.7	21.6	21.3	21.3	21.3	21.2	20.0	5.7	Ca. m. t. y n., r. m. y n.
21.6	21.7	21.3	21.2	21.4	21.4	21.1	19.8	3.4	Ca. m. y t., Cn. n.,Ne. m,Ru.LL. t, LL. n.
21.5	21.5	21.6	21.2	21.3	21.3	21.1	19.8	8.5	Cn. m., Ca. t. y n., Ne. m. y n.
21.5	21.6	21.5	21.3	21.4	21.3	21.0	19.9	10.4	Ca. m. t. y n., B. t.
21.6	21.6	21.7	21.2	21.3	21.3	21.0	19.9	4.9	Ca. m. t. y n.
21.4	21.5	21.3	21.2	21.3	21.3	21.0	19.7	5.2	Ca. m. t. y n., r. m. y n., Ns. n.
21.4	21.4	21.7	21.2	21.3	21.2	21.0	19.7	5.9	Ca. m. t. y n., Ns. m.
21.3	21.3	21.4	21.1	21.2	21.2	21.0	19.7	-	Ca. m. y n., Cn. t., r. m., LL. t.
21.2	21.2	20.9	21.1	21.2	21.1	21.0	19.5	1.0	Ca. m. t. y n., Ne.r. m.
21.0	21.1	20.8	20.0	21.1	21.0	21.0	19.7	5.3	Cn. m. y t., Ca. n., Ru.LL. m.
21.8	21.8	21.7	21.6	21.7	21.6	21.3	19.8	7.4	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESIÓN ATMOSFÉRICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE								HELIOFANÍA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mm. mb.	mm. mb.			mm. mb.			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	57.3	63.5	4	9-10	51.0	1	4-5	18.2	24.9	11.8	29.8	8	15	6.5	4	6	9.1	12.6	72
2ª	54.4	58.6	14	8	46.2	16	3,4	18.1	26.2	10.6	29.7	19	14	5.7	12	6-7	8.4	12.2	69
3ª	58.5	65.8	25	10	51.5	21	15	17.8	25.2	11.5	31.0	21	14-15	7.2	30	6-7	9.0	11.8	77
MES	56.8	65.8	25	10	46.2	16	3,4	18.0	25.4	11.3	31.0	21	14-15	5.7	12	6-7	8.9	12.2	73

DÉCADA	HUMEDAD DEL AIRE								VIENTO									LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas				Instantáneas			Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Velocidad Máxima	Dirección	Día	Hora				
	%	%		%		mm. mb.	mm. mb.	mm. mb.		Km/h	Km/h		Km/h			Km/h				mm.	mm.		mm.		
1ª	73	100	4,5	31	7	10.7	16.5	6.4	N	9	24	varios	18	3	8-9	32	E	3	15.47	3.3	3.3	1	1.7	10	12-13
2ª	71	100	14,19	21	17	10.4	18.5	4.6	NW	11	36	16	27	16	9-10	49	NW	20	12.58	16.5	12.7	17	10.9	16	19-20
3ª	72	100	23,27,28	27	30	10.2	17.5	5.2	NE	8	36	23	26	31	16-17	47	SW	31	16.24	10.3	6.8	24	4.3	23	18-19
MES	72	100	varios	21	17	10.4	18.5	4.6	NW	10	36	16, 23	27	16	9-10	49	NW	20	12.58	30.1	12.7	17	10.9	16	19-20

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACIÓN							VIENTO - TORM. ELÉCT.		
	Aire difano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1ª	5	1	4	2	1	-	-	-	2	-	1	-	-	-	-	-	-
2ª	2	-	4	-	-	-	-	2	-	-	-	-	-	-	-	2	1
3ª	8	2	3	-	1	-	-	3	-	-	-	-	-	-	-	2	-
MES	15	3	11	2	2	-	-	5	2	-	1	-	-	-	-	4	1

DÉCADA	FENÓMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
1ª	4	-	-	-	-	-	-	-	-	-	-	10	-	-	5	-
2ª	5	-	-	-	-	-	-	-	1	-	-	9	1	-	7	-
3ª	4	-	-	-	-	1	-	1	1	-	-	11	-	-	5	-
MES	13	-	-	-	-	1	-	1	2	-	-	30	1	-	17	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VI ABRIL 1951 Nº 4

RESUMEN MENSUAL

Al comenzar el mes de Abril la temperatura media diaria se encuentra varios grados inferior a la normal debido a la afluencia continuada de masas de aire polar. El 1º el cielo se presenta parcialmente nublado, despejando por la noche. La dirección prevalente del viento es la S hasta el día 4 en que al promediar la tarde cesa el viento y se registran simultáneamente los valores mínimos de la tensión del vapor y humedad relativa del mes con 3.8 mm y 25% respectivamente. Dicha calma se mantiene hasta las 8.00 hs. del día 5 en que comienza a soplar viento del sector N; la temperatura asciende rápidamente, el viento gira hacia el NE prevaleciendo en este sector hasta el fin de la década. A partir del día 7, con viento del N y cielo claro, la temperatura sobrepasa la normal, alcanzando su valor máximo de 28.7°C el día 9; una aeromasa fría alcanza luego a la tropical en el norte de Buenos Aires, originando una zona de inestabilidad; el día 10 se cubre el cielo totalmente, el viento sopla del sector N, registrándose entonces el valor mínimo de la presión atmosférica con 755.6 mm. Llueve a partir de las 8.00 hs. y la tensión del vapor alcanza su máximo valor mensual con 15.7 mm.

La segunda década se inicia en condiciones similares al fin de la primera. Una aeromasa fría cubre el país, llueve durante el día 11, reina calma y la tensión del vapor disminuye después de la lluvia, mientras la presión atmosférica aumenta 7.0 mm en 24 horas, registrándose los días 16 y 17 el máximo valor mensual con 768.6 mm. Durante toda la década prevalece el viento del E; el cielo se mantiene parcialmente nublado.

La dirección del viento prevalente en los primeros días de la tercera década es del NE, hasta que al finalizar el día 24 gira hacia el sector S; la tensión del vapor cae bruscamente 3.0 mm en una hora, el cielo se cubre y una niebla densa envuelve la estación hasta las 8.00 hs. del día 25. Continúa el ascenso de la temperatura hasta el 29, día en que el Observatorio es atravesado por un frente frío que hace que la dirección del viento cambie al sector S. Durante el día 30 el cielo se mantiene cubierto lloviznando imperceptiblemente. La temperatura es de varios grados inferior a la normal.

Las desviaciones con respecto a los valores normales resultan casi nulas, a excepción de las de la temperatura y tensión del vapor que alcanzan a -1.0 y la de la presión que es positiva en 4.0 mm.

POTENCIAL ATMOSFÉRICO en V/M.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	28	28	28	34	41	41	41	69	83	90	69	48	41	41	21
2	24	-	-	-	-	14	21	-	-	28	28	48	34	41	28
3	69	69	83	90	83	83	83	97	97	48	14	21	21	34	41
4	90	97	97	117	124	55	55	55	76	90	110	117	90	76	90
5	55	62	76	76	69	76	138	110	193	220	226	172	124	131	159
6	55	62	69	76	83	76	83	172	138	55	14	14	69	90	83
7	28	28	28	48	48	48	76	104	104	69	48	62	69	76	83
8	69	62	55	48	34	48	48	55	76	69	76	69	110	131	117
9	55	55	55	48	48	62	76	97	55	62	55	41	28	21	21
10	62	90	110	110	-167	259	-462	-55	-	-	-	41	83	83	-48
11	-14	14	34	55	69	83	62	62	34	55	97	-	-	-	-
12	104	110	104	104	124	138	179	226	224	252	265	193	166	166	76
13	-	-	-	-	-	-	-	147	142	161	163	166	139	120	118
14	138	124	138	104	97	97	104	166	186	200	284	265	284	226	179
15	90	76	55	90	76	76	69	117	117	90	131	138	145	124	131
16	90	76	76	90	104	131	110	179	207	159	152	117	104	117	124
17	93	70	62	101	118	93	107	135	227	183	166	132	168	130	113
18	138	124	124	97	152	172	172	172	138	131	138	124	110	117	110
19	124	110	97	110	124	131	200	220	193	131	152	159	152	159	124
20	131	110	55	41	55	48	69	69	97	145	166	166	117	124	131
21	179	166	179	145	124	117	159	220	239	239	239	186	166	145	97
22	138	110	117	97	55	69	97	145	226	159	200	138	166	172	172
23	166	193	172	166	207	172	159	193	-	-	152	172	179	166	179
24	159	166	138	110	97	104	62	69	179	207	152	145	193	193	200
25	152	152	152	200	259	239	213	172	124	124	110	76	76	69	83
26	193	207	172	145	124	145	131	138	145	90	97	104	110	104	104
27	104	41	55	69	76	90	97	62	41	62	97	97	90	97	97
28	69	34	34	41	41	62	69	104	138	83	83	90	83	48	48
29	34	28	28	28	21	28	21	48	83	90	104	97	76	69	76
30	69	28	28	41	41	41	41	41	83	304	380	207	200	116	124
31															
Prom.	105.0	93.3	88.4	91.2	94.5	96.3	104.9	124.1	147.7	134.8	146.3	122.0	120.8	114.9	109.5

IONIZACIÓN DEL AIRE

DÍAS	COEFICIENTE DE DISPERSION "a" x 100								CONDUCTIBILIDAD "λ" .10⁻⁴							
	mañana				tarde				mañana				tarde			
	a^-	a^+	a^-+a^+	a^-/a^+	a^-	a^+	a^-+a^+	a^-/a^+	λ^+	λ^-	$\lambda^-+\lambda^+$	λ^-/λ^+	λ^+	λ^-	$\lambda^-+\lambda^+$	λ^-/λ^+
1									0.97	0.96	1.93	1.01	0.97	1.06	2.03	0.92
2									1.03	1.03	2.06	1.00	1.54	1.31	2.85	1.19
3									0.86	0.76	1.62	1.19	0.79	0.75	1.54	1.05
4									0.66	0.71	1.37	0.93	0.68	0.61	1.29	1.11
5									0.41	0.29	0.70	1.41	0.83	0.72	1.55	1.15
6									0.79	0.92	1.71	0.86	1.06	1.13	2.19	0.94
7									0.94	0.77	1.71	1.22	0.51	0.60	1.11	0.85
8									1.70	1.58	3.28	1.08	0.39	0.34	0.73	1.15
9									1.52	1.54	3.06	0.99	1.25	0.92	2.17	1.36
10									0.38	0.45	0.83	0.84	0.63	0.64	1.27	0.98
11									0.90	0.69	1.59	1.30	2.68	1.27	3.95	2.11
12									0.56	0.86	1.42	0.65	0.94	0.96	1.90	0.98
13									0.68	0.60	1.28	1.13	0.73	0.62	1.35	1.18
14									0.37	0.32	0.69	1.16	0.23	0.26	0.49	0.88
15									0.82	0.85	0.67	0.96	0.84	0.67	1.51	1.25
16									0.88	1.24	2.12	0.71	0.32	0.33	0.65	0.97
17									0.24	0.17	0.41	1.41	0.41	0.43	0.84	0.95
18									0.89	1.16	2.05	0.77	0.58	0.30	0.88	1.93
19									1.03	1.11	2.14	0.93	0.26	0.22	0.48	1.18
20									0.97	0.88	1.85	1.10	0.29	0.26	0.55	1.12
21									0.24	0.22	0.46	1.09	0.29	0.29	0.58	1.00
22									0.73	0.74	1.47	0.99	0.37	0.41	0.78	0.90
23									0.62	0.63	1.25	0.98	0.41	0.33	0.74	1.24
24									0.32	0.34	0.66	0.94	0.22	0.18	0.40	1.22
25									0.94	0.97	1.91	0.97	0.35	0.54	0.89	0.65
26									0.79	0.90	1.69	0.88	0.32	0.27	0.59	1.18
27									1.12	0.95	2.07	1.18	0.78	1.14	1.92	0.68
28									0.84	1.23	2.07	0.68	1.40	2.23	3.63	0.63
29									0.82	0.87	1.69	0.94	1.48	1.01	2.49	1.46
30									0.24	0.32	0.56	0.75	0.49	0.32	0.81	1.52
31																
Prom.									0.75	0.78	1.53	0.96	0.71	0.65	1.36	1.09

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplit.	Tipo de Curva
-21	-28	34	69	55	69	55	7	14		117	-117	234	2
62	83	34	48	62	48	62	48	48		117	-41	158	1*
48	90	131	104	41	41	41	41	48	63.2	131	-14	145	1
76	83	69	83	90	97	97	69	55	85.8	138	14	124	0
172	131	145	117	110	69	62	48	55	116.5	272	7	265	0
117	145	207	179	159	117	117	62	69	96.3	259	-110	369	1
104	110	83	90	90	69	90	28	21		207	- 7	214	1
145	179	186	172	159	131	138	152	90	100.8	272	00	272	0
62	110	179	179	207	131	48	76	62		259	-28	287	2
117	62	76	-	-	-	-83	-188	-83		600	-886	1486	2*
55	62	-41	104	83	69	83	62	62		443	-594	1037	2*
97	110	104	69	69	104	83	110	83	138.3	357	14	343	0
103	89	91	93	132	137	127	97	74		207	00	207	0*
124	110	-	-	-	179	193	207	124		310	00	310	0*
131	138	179	179	193	186	179	166	138	125.6	297	21	276	0
159	213	246	272	193	138	124	138	131	143.7	333	55	278	0
111	101	83	99	138	120	81	109	101	118.4	265	24	241	0
145	145	85	107	70	135	179	152	117	131.4	220	24	196	0
152	172	159	138	124	124	159	131	152	145.7	284	- 7	291	1
110	200	159	159	172	117	131	172	166	121.2	246	21	225	0
104	145	124	145	172	159	138	166	131	137.7	304	28	276	0
159	213	145	172	252	207	259	200	179	160.3	322	34	288	0
193	272	220	220	213	172	131	124	124		368	97	271	0*
166	186	104	97	110	69	104	138	159	137.8	322	-21	343	1
83	76	90	48	55	62	76	110	172	123.9	297	14	283	0
145	152	179	110	83	62	90	97	90	125.7	272	-41	313	1
131	110	110	159	172	110	138	83	48	93.2	284	-14	298	1
69	62	83	166	152	104	69	28	14	73.9	297	-14	311	1
83	110	179	239	186	97	83	69	69	81.1	368	00	368	0
76	83	117	200	166	131	124	124	55	117.5	529	00	529	0
118.0	135.4	137.3	143.5	136.5	113.3	117.7	112.6	101.0	117.0				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i" $.10^{-7}$ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
hora iones	hora λ a.m.	hora λ p.m.	a.m.	p.m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
62	55	14	3.54	0.95	859	865	1724	0.99	0.51	1.12
28	48	55	3.30	5.22	1014	1142	2156	0.89	0.47	0.64
21	28	83	1.47	4.26	1144	922	2066	1.24	0.38	0.42
117	124	76	5.66	3.27	815	572	1387	1.42	0.86	-
233	179	124	4.18	6.41	687	714	1401	0.96	0.64	0.56
7	-14	166	-0.80	12.12	922	1088	2010	0.85	0.23	0.29
48	48	110	2.74	4.07	916	922	1838	0.99	-	0.65
69	69	186	7.54	4.53	922	859	1781	1.07	0.45	1.52
48	48	124	4.90	8.97	1251	1020	2271	1.23	0.67	0.58
-	-	83	-	3.51	612	172	784	3.58	0.67	-
97	104	-14	5.51	-1.84	-	-	-	-	2.58	-
259	193	110	9.14	6.97	815	532	1347	1.53	0.48	-
166	173	85	7.38	3.82	1144	918	2062	1.25	2.09	1.29
291	278	131	6.39	2.14	616	687	1303	0.90	-	-
145	145	159	8.07	8.00	-	-	-	-	1.96	0.64
145	124	220	8.76	4.77	815	800	1615	1.02	0.72	-
152	125	91	1.71	2.55	400	306	706	1.31	2.71	1.17
131	124	138	8.47	4.05	867	1031	1898	0.84	0.45	0.64
152	159	179	11.34	2.86	976	662	1638	1.47	0.45	0.60
172	159	220	9.80	4.03	914	1144	2058	0.80	-	1.14
220	193	145	2.96	2.80	572	417	989	1.37	1.52	-
213	121	226	5.93	5.88	815	859	1674	0.95	0.96	0.76
145	152	278	6.33	6.86	572	662	1234	0.86	0.77	0.59
131	131	172	2.88	2.29	763	744	1507	1.03	0.24	0.88
90	83	76	5.28	2.25	509	612	1121	0.83	0.44	0.62
110	104	110	5.86	2.16	867	1138	2005	0.76	1.12	1.40
90	117	97	8.07	6.21	1192	710	1902	1.68	1.20	1.64
83	97	69	6.69	8.35	922	1190	2112	0.77	0.45	1.06
104	104	138	5.20	11.45	1142	1016	2158	1.12	-	0.36
345	207	104	3.86	2.81	561	631	1192	0.89	2.47	1.73
129	116	121	5.40	4.57	814	770	1584	1.06	0.87	0.86

COMPONENTE NORTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	15.1	16.2	16.2	16.2	13.9	15.1	11.6	4.6	5.8	9.3	16.2	19.7	23.2
2	10.4	16.2	15.1	13.9	12.8	9.3	8.1	3.5	5.8	9.3	10.4	12.8	9.3
3	17.5	13.9	15.1	19.7	15.1	13.9	12.8	4.6	8.1	9.3	10.4	13.9	8.1
4	17.5	17.5	13.9	23.2	10.4	9.3	10.4	3.5	4.6	11.6	13.9	19.7	10.4
5	20.9	10.4	15.1	22.0	20.9	13.9	11.6	13.9	16.2	10.4	11.6	18.6	17.5
6	30.2	27.8	31.3	31.3	32.5	29.0	26.7	27.8	23.2	19.7	18.6	19.7	8.1
7	15.1	17.5	22.0	22.0	18.6	13.9	15.1	5.8	10.4	9.3	11.6	16.2	10.4
8	15.1	15.1	17.5	16.2	16.2	11.6	8.1	7.0	4.6	7.0	15.1	11.6	10.4
9	16.2	18.6	17.5	13.9	-	-	-	4.6	4.6	3.5	9.3	10.4	2.3
10	3.5	7.0	9.3	8.1	4.6	4.6	3.5	13.9	27.8	22.0	19.7	19.7	18.6
11	19.7	19.7	16.2	22.0	17.5	18.6	18.6	16.2	15.1	10.4	7.0	15.1	25.5
12	20.9	20.9	20.9	19.7	16.2	12.8	8.1	2.3	3.5	4.6	3.5	10.4	13.9
13	11.6	11.6	12.8	16.2	9.3	9.3	9.3	1.2	3.5	4.6	1.2	10.4	11.6
14	7.0	10.6	11.6	10.4	7.0	3.5	7.0	1.2	- 1.2	2.3	8.1	8.1	12.8
15	15.1	16.2	17.5	18.6	19.7	19.7	17.5	11.6	2.3	4.6	8.1	10.4	9.3
16	4.6	10.4	9.3	9.3	5.8	4.6	8.1	4.6	3.5	4.6	5.8	10.4	10.4
17	8.1	7.0	10.4	11.6	7.0	8.1	7.0	2.3	2.3	3.5	7.0	11.6	12.8
18	15.1	17.5	19.7	-	-	-	-	- 6.2	15.8	2.3	3.5	11.6	5.8
19	16.2	17.5	19.7	18.6	15.1	12.8	12.8	12.8	12.8	7.0	7.0	9.3	8.1
20	24.4	43.5	32.5	33.6	26.7	31.3	25.5	19.7	17.5	7.0	9.3	11.6	8.1
21	24.4	17.5	27.8	19.7	15.1	17.5	15.1	11.6	3.5	8.1	8.1	5.8	2.3
22	10.4	12.8	9.3	12.8	8.1	9.3	4.6	- 6.2	- 3.7	4.6	3.5	3.5	4.6
23	2.3	7.0	11.6	9.3	4.6	3.5	3.5	1.2	1.2	4.6	5.8	7.0	4.6
24	4.6	8.1	8.1	10.4	10.4	2.3	4.6	1.2	- 6.2	- 1.2	- 2.5	- 3.5	- 3.7
25	-	-	-	-	-	-	-	16.2	20.9	16.2	12.8	9.3	7.0
26	22.0	23.2	24.4	29.0	22.0	20.9	20.9	23.2	20.9	12.8	5.8	8.1	7.0
27	-	-	-	-	-	-	-	2.3	4.6	4.6	7.0	7.0	2.3
28	18.6	17.5	17.5	19.7	13.9	13.9	20.9	17.5	10.4	7.0	7.0	10.4	7.0
29	7.0	11.6	13.9	13.9	15.1	18.6	19.7	16.2	3.5	1.2	7.0	4.6	3.5
30	13.9	20.9	18.6	17.5	10.4	11.6	13.9	9.3	-	10.4	15.1	16.2	16.2
31													
Prom	14.6	16.2	17.0	17.7	14.2	13.0	12.5	8.2	8.3	7.7	8.9	11.3	9.6
Var.	5.2	6.8	7.6	8.3	4.8	3.6	3.1	- 1.2	- 1.1	- 1.7	- 0.5	1.9	0.2

COMPONENTE ESTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	- 7.8	1.6	- 1.6	- 4.7	- 7.8	-11.0	-15.7	-17.3	-17.3	-23.6	-17.3	-23.6	- 7.8
2	-11.0	1.6	- 1.6	- 3.1	-18.8	-29.8	-20.4	-14.1	-12.6	- 6.3	- 7.8	-12.6	- 9.4
3	1.6	1.6	- 3.1	- 3.1	-20.4	-28.3	-20.4	-12.6	-11.0	-14.1	-17.3	-15.7	-12.6
4	- 1.6	1.6	- 3.1	- 4.7	-22.0	-22.0	-20.4	- 9.4	-14.1	- 9.4	-12.6	-15.7	-14.1
5	3.2	3.2	1.6	- 4.7	-15.7	-28.3	-17.3	-14.1	-12.6	- 9.4	-12.6	-12.6	-12.6
6	1.6	3.2	1.6	1.6	-15.7	-20.4	-15.7	-12.6	- 7.8	- 9.4	-12.6	-12.6	-11.0
7	- 6.3	3.2	- 3.1	- 9.4	-17.3	-23.6	-14.1	-14.1	-12.6	- 9.4	-14.1	- 9.4	-15.7
8	- 4.7	- 3.1	- 3.1	- 3.1	- 3.1	- 6.3	- 7.8	-14.1	-17.3	-20.4	-12.6	-15.7	- 7.8
9	- 4.7	7.9	6.3	- 3.1	-	-	-	-11.0	-12.6	-14.1	-14.1	-11.0	-12.6
10	1.6	4.7	1.6	- 1.6	-12.6	-17.3	-15.7	-12.6	-18.8	-14.1	-17.3	-23.6	-23.6
11	- 4.7	- 4.7	- 6.3	- 9.4	-22.0	-23.6	-23.6	-17.3	-17.3	-14.1	-15.7	-17.3	-22.0
12	- 1.6	1.6	- 3.1	- 6.3	-12.6	-18.8	-17.3	- 9.4	-15.7	-11.0	-11.0	-14.1	-15.7
13	- 1.6	1.6	- 1.6	- 3.1	-12.6	-18.8	-15.7	- 9.4	- 7.8	- 7.8	- 9.4	-12.6	- 9.4
14	- 1.6	1.6	1.6	- 1.6	-15.7	-20.4	-14.1	-11.0	-12.6	- 9.4	- 9.4	-12.6	-12.6
15	- 4.7	1.6	3.2	- 1.6	- 3.1	- 6.3	- 6.3	- 6.3	-18.8	-17.3	-14.1	-23.6	-12.6
16	- 7.8	6.3	3.2	1.6	-11.0	-12.6	-12.6	- 4.7	- 4.7	-11.0	- 7.8	-11.0	- 9.4
17	3.2	3.2	1.6	- 1.6	-15.7	-17.3	-11.0	- 6.3	- 7.8	- 7.8	- 9.4	-12.6	- 9.4
18	3.2	4.7	3.2	1.6	- 4.7	- 9.4	- 3.1	- 7.8	- 6.3	- 4.7	- 6.3	- 7.8	- 9.4
19	- 1.6	1.6	1.6	- 3.1	- 7.8	-12.6	-12.6	- 3.1	- 3.1	- 4.7	- 6.3	- 9.4	-12.6
20	- 1.2	2.3	1.2	- 2.5	-11.6	-22.0	-14.9	- 7.4	-13.6	-12.4	- 9.9	-13.6	-16.1
21	- 3.1	1.6	- 4.7	- 3.1	-17.3	-20.4	-12.6	-11.0	-12.6	- 6.3	-14.1	-14.1	-12.6
22	- 4.7	1.6	- 1.6	- 4.7	- 6.3	- 6.3	- 9.4	-18.8	-20.4	-17.3	-15.7	-20.4	-12.6
23	1.6	- 1.6	1.6	- 1.6	-15.7	-17.3	-14.1	- 9.4	-12.6	-12.6	- 9.4	-14.1	-14.1
24	- 1.6	3.1	- 1.6	- 3.1	-11.0	-20.4	-14.1	-14.1	-12.6	-12.6	-14.1	-15.7	-17.3
25	1.6	3.2	1.6	- 1.6	-18.8	-18.8	-11.0	- 6.3	- 9.4	- 6.3	- 7.8	-12.6	- 7.8
26	1.6	3.2	1.6	- 3.1	-12.6	-18.8	-14.1	- 9.4	- 7.8	-14.1	-18.8	- 7.8	- 7.8
27	-	-	-	-	-	-	-	-12.6	-14.1	- 9.4	-11.0	- 7.8	- 9.4
28	1.6	1.6	1.6	- 1.6	-17.3	-20.4	- 7.8	- 6.3	- 7.8	- 7.8	- 7.8	-11.0	-12.6
29	- 6.3	- 1.6	- 3.1	- 1.6	- 4.7	- 4.7	- 4.7	-11.0	-17.3	-15.7	-17.3	-23.6	-15.7
30	- 9.4	- 1.6	- 3.1	- 3.1	-17.3	-17.3	-12.6	-14.1	-	-17.3	-15.7	-11.0	- 9.4
31													
Prom	- 2.2	1.9	- 0.3	- 2.9	-13.2	-17.6	-13.5	-10.9	-12.4	-11.7	-12.3	-14.2	-12.5
Var.	7.7	11.8	9.6	7.0	- 3.3	- 7.7	- 3.6	- 1.0	- 2.5	- 1.8	- 2.4	- 4.3	- 2.6

LÍNEAS LARGAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
17.5	11.6	7.0	7.0	5.8	7.0	7.0	10.4	4.6	11.6	12.8	11.9	1
5.8	4.6	8.1	- 5.0	- 2.5	10.4	12.8	10.4	7.0	10.4	17.5	9.0	1
7.0	4.6	11.6	4.6	4.6	8.1	10.4	22.0	15.1	22.0	20.9	12.2	2
17.5	10.4	8.1	12.8	10.4	8.1	4.6	13.9	8.1	13.9	13.9	12.0	2
15.1	11.6	7.0	2.3	4.6	11.6	20.9	20.9	22.0	22.0	24.4	15.2	1
13.9	2.3	- 1.2	5.8	9.3	16.2	19.7	11.6	5.8	11.6	22.0	18.4	2
2.3	4.6	2.3	- 2.5	11.6	8.1	5.8	17.5	9.3	11.6	10.4	11.2	1
3.5	3.5	2.3	5.8	3.5	10.4	9.3	15.1	11.6	13.9	16.2	10.4	1
1.2	- 6.2	1.2	3.5	2.3	1.2	3.5	1.2	9.3	3.5	- 1.2	5.7	1
9.3	4.6	1.2	2.3	19.7	15.1	13.9	9.3	18.6	19.7	17.5	12.2	1
16.2	9.3	7.0	8.1	4.6	9.3	13.9	7.0	16.2	20.9	20.9	14.8	1
15.1	5.8	2.3	1.2	2.3	7.0	-11.2	- 7.4	7.0	17.5	10.4	8.6	2
9.3	5.8	4.6	2.3	4.6	- 2.5	5.8	9.3	10.4	9.3	9.3	7.5	1
10.4	1.2	- 1.2	- 2.5	- 2.5	1.2	1.2	4.6	10.4	11.6	11.6	5.6	0
4.6	2.3	2.3	- 1.2	3.5	3.5	3.5	7.0	4.6	8.1	10.4	9.1	1
7.0	4.6	- 1.2	1.2	- 1.2	- 7.4	2.3	7.0	4.6	8.1	7.0	5.1	0
9.3	4.6	1.2	- 3.7	- 1.2	1.2	3.5	3.5	4.6	8.1	9.3	5.8	0
12.8	2.3	1.2	- 5.0	- 1.2	- 3.7	- 6.2	13.9	7.0	12.8	13.9	6.6	2
1.2	- 3.7	1.2	- 1.2	- 1.2	- 2.5	- 1.2	1.2	3.5	8.1	11.6	7.8	1
- 1.2	-14.9	- 2.5	-12.9	- 7.4	- 8.7	8.1	18.6	13.9	27.8	20.9	13.8	2
2.3	4.6	1.2	- 5.0	- 2.5	- 2.5	- 5.0	3.5	- 1.2	8.1	- 3.7	7.3	2
- 2.5	- 6.2	- 8.7	- 1.2	- 1.2	1.2	2.3	3.5	3.5	2.3	13.9	3.4	1
1.2	1.2	1.2	1.2	- 1.2	- 1.2	1.2	1.2	3.5	5.8	3.5	3.5	0
1.2	-14.9	- 6.2	- 3.7	1.2	- 1.2	- 5.0	7.0	1.2	11.6	-	1.0	1
4.6	- 3.7	- 2.5	- 6.2	1.2	- 1.2	- 1.2	7.0	12.8	23.2	24.4	8.3	1
4.6	2.3	3.5	-	-	-	-	-	-	-	-	15.7	1
1.2	3.5	4.6	- 1.2	1.2	2.3	- 1.2	7.0	5.8	18.6	16.2	5.0	1
8.1	1.2	- 3.7	- 1.2	- 2.5	- 2.5	1.2	3.7	2.3	10.4	9.3	8.6	1
1.2	3.5	1.2	1.2	2.3	5.8	3.5	4.6	2.3	4.6	3.5	7.1	2
16.2	11.6	12.8	10.4	11.6	11.6	10.4	5.8	3.5	12.8	20.9	13.1	0
7.2	2.4	2.2	0.6	2.7	3.6	4.6	8.3	7.8	12.8	13.1	- 9.4	
- 2.2	- 7.0	- 7.2	- 8.8	- 6.7	- 5.8	- 4.8	- 1.1	- 1.6	3.4	3.7		

LÍNEAS LARGAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
-17.3	-18.8	-15.7	-17.3	-18.8	-17.3	-15.7	-12.6	-14.1	- 4.7	- 7.8	-13.1	2
- 9.4	-14.1	-15.7	-12.6	-14.1	-12.6	-12.6	- 9.4	- 9.4	- 3.1	- 6.3	-11.0	2
-11.0	-14.1	-11.0	-11.0	-12.6	-11.0	-15.7	-11.0	- 7.8	- 3.1	- 4.7	-11.2	1
-11.0	-17.3	-11.0	-14.1	-11.0	- 9.4	-11.0	-11.0	- 6.3	- 3.1	- 3.1	-10.7	1
-12.6	- 9.4	-15.7	-11.0	- 9.4	-11.0	-15.7	- 4.7	- 4.7	- 1.6	- 3.1	- 9.6	1
- 9.4	-11.0	- 7.8	-12.6	-11.0	- 9.4	-14.1	- 9.4	- 7.8	- 1.6	- 7.8	- 8.8	1
-11.0	-11.0	-15.7	-11.0	-17.3	-18.8	-11.0	- 9.4	- 7.8	- 3.1	- 6.3	-11.2	1
-11.0	- 6.3	-18.8	-20.4	-14.1	-17.3	- 7.8	- 9.4	-11.0	- 3.1	- 3.1	-10.0	2
-11.0	-12.6	-11.0	-11.0	- 9.4	-12.6	-12.6	- 7.8	- 9.4	3.2	- 3.1	- 7.9	1
-26.7	-28.3	-20.4	-26.7	-28.3	-18.8	-20.4	-18.8	-12.6	- 7.8	-11.0	-15.4	1
-15.7	-17.3	-14.1	-17.3	-15.7	-11.0	-18.8	-12.6	- 4.7	- 1.6	- 4.7	-13.8	1
-17.3	-15.7	-12.6	-12.6	-11.0	- 9.4	-11.0	-14.1	- 9.4	- 1.6	- 4.7	-10.6	1
- 7.8	-12.6	- 7.8	-12.6	- 7.8	- 9.4	-12.6	- 7.8	- 7.8	1.6	- 1.6	- 8.1	0
- 9.4	-14.1	-11.0	-23.6	-14.1	-12.6	-11.0	-11.0	- 9.4	- 3.1	- 3.1	-10.0	1
-15.7	-12.6	-12.6	-14.1	-15.7	-15.7	-12.6	- 9.4	- 7.8	- 1.6	- 3.1	- 9.6	1
-11.0	-11.0	-14.1	-11.0	-11.0	- 7.8	- 7.8	- 9.4	- 4.7	1.6	1.6	- 6.9	1
-11.0	-12.6	- 9.4	-11.0	- 7.8	-11.0	-11.0	- 6.3	- 6.3	- 3.2	1.6	- 7.4	0
- 7.8	- 7.8	- 9.4	-11.0	-12.6	-15.7	-12.6	-11.0	- 6.3	- 1.6	- 1.6	- 6.0	1
- 9.4	- 9.4	- 7.8	-11.0	-14.1	-11.0	-11.0	- 9.4	- 7.1	- 3.1	- 6.3	- 7.2	0
-14.9	-18.6	-18.6	-19.8	-13.6	-13.6	-17.4	-17.4	- 6.2	- 3.7	- 6.2	-11.3	1
-11.0	-17.3	-17.3	-14.1	-17.3	-18.8	-14.1	- 7.8	-11.0	- 6.3	- 7.8	-11.4	1
- 7.8	-14.1	-18.8	-18.8	-17.3	-11.0	-11.0	-11.0	-14.1	1.6	- 7.8	-11.1	2
- 9.4	-12.6	- 9.4	-11.0	-12.6	- 7.8	-14.1	- 9.4	- 6.3	1.6	- 1.6	- 8.8	2
-12.6	-20.4	-11.0	-15.7	-14.1	-17.3	-14.1	-11.0	- 9.4	- 4.7	- 4.7	-11.2	1
- 3.1	-12.6	- 6.3	- 7.8	- 3.1	- 6.3	-11.0	- 3.1	- 6.3	- 1.6	- 3.1	- 6.6	1
- 4.7	- 7.8	- 1.6	-	-	-	-	-	-	-	-	- 7.6	1
-11.0	-14.1	- 9.4	-11.0	-11.0	-11.0	-11.0	- 9.4	- 6.3	1.6	1.6	- 9.1	1
- 7.8	-12.6	-15.7	-17.3	-15.7	-17.3	-11.0	- 9.4	- 7.8	- 1.6	- 6.3	- 9.1	0
-20.4	-12.6	-14.1	-15.7	-18.8	-14.1	-18.8	-11.0	-14.1	- 4.7	- 6.3	-11.6	1
- 6.3	-15.7	-11.0	-11.0	-12.6	- 9.4	-12.6	- 7.8	- 7.8	- 1.6	- 3.1	-10.0	1
-11.5	-13.8	-12.5	-14.3	-13.5	-12.7	-13.1	-10.1	- 8.4	- 2.1	- 4.2	9.9	
- 1.6	- 3.1	- 2.6	- 4.4	- 3.6	- 2.8	- 3.2	- 0.2	1.5	7.8	5.7		

PRESIÓN ATMOSFERICA

en mm. de Hg. al nivel del Observatorio: 700 mm.+ ...

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	62.6	62.8	62.9	63.2	63.3	63.8	64.0	64.4	65.0	65.1	65.1	64.9	64.4	64.3	64.3
2	67.2	67.1	66.9	66.9	66.9	67.0	67.3	67.4	67.2	67.2	67.0	66.7	65.8	65.1	64.8
3	63.2	62.8	62.0	61.8	61.9	61.9	61.9	61.8	61.6	61.5	61.3	60.3	59.4	59.0	58.7
4	61.6	61.7	61.6	61.5	61.7	62.1	62.6	62.7	63.0	63.3	63.2	63.1	63.0	62.6	62.3
5	63.3	63.2	63.2	63.3	63.5	64.2	64.4	64.8	64.8	64.8	64.6	64.3	63.9	63.6	63.3
6	64.6	64.9	65.0	65.1	65.4	65.7	66.1	66.4	66.4	66.4	66.1	65.8	64.9	64.6	64.3
7	65.4	65.2	64.6	64.5	64.5	64.6	64.8	64.8	64.8	64.8	64.7	64.0	63.7	63.0	62.7
8	62.2	62.2	62.0	62.1	62.1	62.2	62.4	62.6	62.5	62.4	62.0	61.6	60.6	59.8	59.7
9	60.3	60.0	59.4	59.3	59.2	59.3	59.4	59.6	59.8	59.8	59.5	59.1	58.4	58.2	57.5
10	57.1	56.6	55.8	55.7	55.7	56.1	57.8	58.2	58.8	58.0	58.1	56.9	57.8	57.9	57.9
11	59.0	59.0	59.0	59.0	59.0	59.0	58.3	58.2	57.9	57.8	57.6	57.4	57.2	57.2	57.2
12	59.5	59.6	59.6	59.9	60.4	60.8	61.2	61.4	61.8	62.0	61.6	61.0	61.5	61.6	62.4
13	65.3	65.6	66.0	66.3	66.8	67.2	67.4	68.2	68.4	68.5	68.2	68.1	67.6	67.1	66.7
14	67.4	67.3	67.2	67.3	67.3	67.8	67.9	68.2	67.9	67.9	67.6	66.8	66.3	65.8	65.8
15	66.2	66.3	66.2	66.1	66.3	66.8	67.0	67.0	67.1	67.1	66.8	66.3	66.0	65.6	65.5
16	66.3	66.2	66.0	66.2	66.3	66.7	67.2	67.8	67.8	67.9	67.8	67.3	67.0	66.8	67.0
17	68.5	68.3	67.9	68.0	68.1	68.0	68.2	68.4	68.3	68.1	68.0	67.5	66.9	66.4	66.2
18	65.4	65.2	64.9	64.6	64.3	64.2	64.6	64.8	64.6	64.2	63.9	63.7	62.9	62.6	62.6
19	64.0	64.0	63.8	63.8	63.9	64.1	64.4	64.8	65.2	65.4	65.5	65.2	64.7	64.5	64.3
20	65.2	65.2	65.2	65.2	65.4	65.6	66.0	66.5	66.3	66.0	65.4	65.1	64.6	63.7	63.5
21	64.4	64.0	63.7	63.7	64.1	64.3	64.5	64.9	65.2	65.0	64.8	64.5	64.0	63.8	63.7
22	65.0	64.9	64.6	64.7	64.7	64.7	64.9	65.6	65.7	65.6	65.5	65.2	64.7	64.6	64.6
23	65.2	65.1	65.1	65.1	65.2	65.4	65.5	66.0	66.0	66.0	66.0	65.6	65.0	64.6	64.2
24	64.5	64.4	64.3	64.3	64.5	64.6	64.5	64.6	64.5	64.2	64.0	63.3	62.7	61.9	61.8
25	63.7	63.7	63.4	63.7	63.8	64.6	65.1	65.6	66.0	66.1	65.7	64.9	64.6	64.2	64.2
26	66.3	66.3	66.3	66.4	66.4	66.9	67.6	68.2	68.3	68.3	67.8	67.2	66.5	66.0	65.9
27	66.6	66.2	66.0	66.0	66.0	66.2	66.3	67.1	66.9	66.6	65.8	65.3	64.4	63.9	63.6
28	63.6	63.4	63.1	63.0	62.8	62.8	62.9	63.0	62.8	62.6	62.6	61.0	60.4	59.8	59.5
29	57.8	57.4	56.8	56.7	56.7	56.7	56.7	56.9	56.9	57.0	56.9	56.8	56.2	55.9	55.7
30	59.1	59.8	60.2	60.8	61.4	62.2	63.0	63.6	64.2	64.9	64.8	64.3	63.9	63.6	63.5
31															
Prom	63.7	63.6	63.4	63.5	63.6	63.8	64.1	64.4	64.5	64.5	64.3	63.8	63.3	62.9	62.8

TEMPERATURA DEL AIRE

a la sombra en grados C.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	9.4	8.3	8.1	7.7	6.9	5.7	5.4	8.8	11.5	13.6	14.6	16.0	16.7	17.8	17.6
2	5.5	4.5	4.4	3.9	3.6	3.6	3.8	7.6	10.7	13.2	15.0	16.4	17.6	17.9	18.1
3	6.3	6.1	6.0	6.1	6.3	5.7	6.0	9.0	12.1	14.3	16.2	17.1	18.2	19.2	19.0
4	6.1	5.4	4.6	4.5	4.3	4.0	4.2	8.3	11.6	13.8	15.8	17.7	18.9	20.3	20.3
5	4.7	4.8	4.2	3.7	3.7	3.7	4.0	10.1	14.2	18.2	19.5	21.1	22.0	22.1	21.6
6	12.9	13.1	12.2	9.5	9.4	8.5	8.4	12.7	15.8	17.4	18.5	20.0	20.7	20.7	20.9
7	15.1	14.9	14.9	14.8	14.5	15.0	15.1	17.2	17.8	19.3	20.8	21.6	21.9	23.0	22.8
8	17.3	17.0	16.6	16.7	16.8	16.9	17.3	17.7	18.0	18.5	19.4	20.9	23.5	25.1	25.0
9	18.1	18.2	18.3	18.5	18.7	18.6	18.6	20.0	21.7	23.6	25.5	26.8	27.8	28.7	28.5
10	21.7	20.9	20.9	20.7	20.7	20.7	20.5	19.3	19.0	18.7	18.6	18.4	18.6	18.9	18.2
11	16.7	16.6	16.6	16.6	16.5	16.4	16.6	16.8	16.6	16.6	16.9	16.4	15.1	14.2	14.1
12	13.1	13.2	13.1	12.9	12.8	12.5	12.5	12.6	14.3	15.5	16.3	17.2	17.7	17.6	17.3
13	11.6	10.2	8.9	7.6	6.8	6.4	6.1	8.6	10.8	12.9	14.6	15.4	16.5	17.5	17.5
14	5.7	5.8	5.9	6.0	6.0	6.4	10.6	10.7	13.1	14.7	16.4	17.1	18.3	18.8	19.0
15	10.1	9.8	8.9	8.4	8.6	8.6	8.9	11.8	14.4	16.7	17.7	19.3	20.0	20.2	20.5
16	10.0	10.0	9.3	8.8	8.7	7.6	6.6	12.7	16.9	18.5	20.0	20.6	20.8	21.2	20.7
17	13.6	13.5	13.3	13.3	13.0	11.7	10.9	14.3	17.3	18.1	18.9	19.1	19.6	19.3	19.4
18	9.7	9.5	9.3	9.0	8.4	8.0	7.9	8.3	11.3	14.2	16.0	16.7	17.6	18.3	18.2
19	8.7	7.9	7.8	7.7	8.0	8.2	8.4	9.8	10.8	13.3	16.3	17.8	18.7	19.1	19.0
20	10.1	9.5	9.2	8.6	8.2	7.6	7.2	9.9	12.2	14.3	15.6	17.1	17.9	18.5	18.5
21	9.2	9.4	9.6	10.1	10.3	10.5	10.7	11.7	13.3	14.9	15.1	16.4	16.3	16.3	16.4
22	12.8	13.0	12.7	12.3	11.9	11.9	12.0	14.8	16.6	17.3	19.0	19.2	19.8	19.8	19.6
23	12.5	12.9	13.0	13.2	13.4	13.5	13.7	14.6	16.3	17.1	18.2	19.0	19.2	20.7	19.7
24	13.6	12.6	12.7	12.8	12.7	12.0	11.8	14.5	17.8	19.2	19.5	20.1	20.6	20.7	20.3
25	11.8	10.9	10.8	10.2	10.3	11.1	11.6	12.7	12.8	13.2	14.0	16.1	17.2	18.7	19.2
26	12.4	12.7	12.9	13.1	13.2	13.4	13.6	14.8	15.3	16.0	18.8	20.1	20.5	21.5	21.5
27	16.2	15.9	15.7	15.3	15.3	15.0	15.1	15.5	15.7	16.5	16.9	18.1	20.0	20.1	20.0
28	15.0	14.3	14.4	14.5	14.6	14.7	14.8	15.5	16.5	18.5	20.7	22.1	22.6	23.1	23.0
29	14.6	14.7	14.5	14.4	14.6	14.7	14.8	16.1	18.0	20.5	22.9	23.8	24.9	25.1	25.0
30	13.2	13.0	13.1	13.5	13.5	13.5	13.7	13.7	14.0	14.2	14.4	15.6	17.4	18.5	18.5
31															
Prom	11.9	11.6	11.4	11.2	11.1	10.9	11.0	13.0	14.9	16.4	17.7	18.8	19.6	20.1	20.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
64.6	65.0	65.0	65.8	66.3	66.9	67.1	67.1	67.2	67.2	24	62.6	0,1	4.6	764.8 mm.	1019.7 mb.
64.8	64.7	64.4	64.2	64.3	64.4	64.6	64.3	63.9	67.4	8	63.9	24	3.5	65.8	1021.0
58.7	58.9	59.5	59.9	60.2	60.6	61.2	61.1	61.1	63.9	0	58.7	15,16	5.2	60.8	1014.4
62.2	62.2	62.2	62.7	62.9	63.0	63.2	63.3	63.3	63.3	10,23,24	61.1	0	2.2	62.5	1016.6
63.1	63.1	63.6	63.9	64.1	64.2	64.3	64.3	64.4	64.8	8,9,10	63.2	2,3	1.6	63.9	1018.5
64.2	64.4	64.6	65.0	65.4	65.7	65.7	65.6	65.5	66.4	8,9,10	64.2	16	2.2	65.3	1020.4
62.1	62.0	61.8	61.9	62.2	62.0	62.1	62.1	62.1	65.5	0	61.8	18	3.7	63.5	1018.0
59.3	59.4	59.5	59.7	60.2	60.3	60.3	60.4	60.3	62.6	8	59.3	16	3.3	61.1	1014.8
57.4	57.3	57.2	57.6	57.6	57.6	57.6	57.6	57.6	60.3	0,1	57.2	18	3.1	58.6	1011.4
58.0	58.0	58.5	58.9	58.9	59.1	59.7	59.7	59.5	59.7	22,23	55.6	5-6	4.1	57.9	1010.5
57.1	57.9	57.0	57.5	58.5	58.4	59.0	59.0	59.3	59.5	0	56.8	18-19	2.7	58.2	1010.9
62.8	62.9	63.0	63.4	63,8	64.2	64.6	65.0	65.2	65.2	24	59.3	0	5.9	62.0	1016.0
66.6	66.3	66.4	66.6	66.9	67.0	67.1	67.1	67.2	68.2	8	65.2	0	3.0	67.0	1022.6
65.8	65.9	66.0	66.3	66.6	66.5	66.5	66.5	66.2	68.2	8	66.0	18	2.2	66.9	1022.5
65.4	65.3	65.4	66.0	66.2	66.3	66.2	66.1	66.0	67.1	9,10	65.3	17	1.8	66.2	1021.6
67.3	67.4	67.7	67.3	68.4	68.6	68.5	68.6	68.6	68.6	21,23,24	66.0	0,3	2.6	67.4	1023.2
66.2	66.1	66.1	66.1	66.1	66.0	66.1	65.8	65.5	68.6	0	65.5	24	3.1	67.1	1022.8
62.6	62.8	63.0	63.3	63.6	64.0	64.0	64.0	64.0	65.5	0	62.6	14,15,16	2.9	63.9	1018.5
64.1	64.1	64.1	64.2	64.4	64.8	65.0	65.2	65.2	65.0	11	63.8	3,4	1.7	64.5	1019.3
63.4	63.4	63.6	63.8	63.9	64.2	64.4	64.4	64.4	66.5	8	63.4	16,17	3.1	64.8	1019.7
63.7	63.8	63.9	64.5	64.6	64.8	65.0	65.0	65.0	65.2	9	63.6	15-16	1.6	64.4	1019.2
64.6	64.7	65.0	65.2	65.4	65.3	65.3	65.5	65.4	65.7	9	64.6	varios	1.1	65.1	1020.1
64.2	64.1	64.2	64.2	64.2	64.8	64.9	64.9	64.8	66.1	10-11	64.1	17	2.0	65.0	1020.0
62.1	62.4	62.4	62.6	62.6	62.6	62.7	62.8	62.9	64.8	0	61.8	15	3.0	63.4	1017.8
64.1	64.3	64.8	65.2	65.4	66.0	66.2	66.2	66.2	66.3	22-23	62.9	0	3.4	64.9	1019.8
65.8	65.7	65.8	66.0	66.1	66.2	66.5	66.5	66.5	68.4	9-10	65.7	17	2.7	66.6	1022.1
63.7	63.7	64.0	64.3	64.6	64.5	64.3	64.3	64.1	67.1	8	63.6	15	3.5	65.2	1020.2
59.4	59.4	59.2	59.0	59.1	58.9	58.8	58.5	58.4	64.1	0	58.4	24	5.7	61.0	1014.6
55.7	55.8	56.5	56.7	56.9	57.6	57.9	58.6	58.9	58.9	24	55.7	15,16	3.2	56.9	1009.2
63.6	63.8	64.1	64.3	64.6	64.9	64.8	64.8	64.8	64.9	21	58.9	0	6.0	63.3	1017.7
62.8	62.8	63.0	63.2	63.5	63.6	63.8	63.8	63.8	65.2		62.0		3.2	63.6	1018.1

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
17.1	16.3	14.0	12.1	11.9	10.0	9.0	7.2	6.3	17.8	14	5.3	6-7	12.5	11.3
17.4	16.3	15.0	11.8	9.4	8.1	7.1	6.7	6.5	18.1	15	3.5	6-7	14.6	10.2
18.8	17.7	15.3	12.5	11.2	10.3	9.7	8.0	7.0	19.2	14	5.7	6	13.5	11.6
20.1	19.6	15.8	11.8	9.2	7.7	6.5	5.5	5.3	20.3	14,15	4.0	6	16.3	10.9
21.4	20.1	16.6	14.8	14.1	13.8	13.8	13.5	12.7	22.1	14	3.6	6-7	18.5	13.3
20.9	19.7	18.4	16.7	16.3	16.3	16.2	15.4	15.3	21.1	15-16	8.3	6-7	12.8	15.7
22.7	21.4	19.9	18.3	17.3	17.1	17.2	17.4	17.3	23.0	14	14.5	5	8.5	18.2
24.5	23.5	21.3	19.8	18.4	17.4	17.5	17.3	17.8	21.1	14	16.6	3	8.5	19.3
27.4	26.2	24.0	23.2	22.1	21.7	21.9	21.9	21.7	28.7	14	17.8	0	10.9	22.6
18.2	18.1	17.9	17.7	17.6	17.4	17.0	17.1	16.7	21.7	0,1	16.7	24	5.0	18.9
14.1	14.0	13.6	13.6	13.5	13.1	12.9	13.0	13.0	16.9	11	12.9	22	4.0	15.2
17.1	16.7	14.1	12.0	11.0	10.5	10.9	11.5	12.0	18.0	12-13	10.3	21-22	7.7	13.9
17.2	16.5	12.9	10.4	8.5	7.5	6.4	5.9	5.6	17.5	14,15	5.6	24	11.9	10.9
18.5	16.5	14.1	12.7	11.2	11.2	11.3	10.5	10.0	19.0	15	5.6	0	13.4	12.1
19.4	17.0	15.9	16.1	13.4	12.5	11.6	9.9	9.8	20.5	15	8.4	4	12.1	13.7
19.8	18.1	16.1	14.6	13.3	12.8	13.2	13.5	13.6	21.2	14	6.6	7	14.6	14.5
18.5	17.2	15.5	13.8	12.7	12.6	12.2	11.6	10.5	19.6	13	10.5	24	9.1	15.0
17.3	17.3	15.9	13.4	11.1	10.5	10.2	9.9	9.2	18.4	15-16	7.8	6-7	10.6	12.4
18.8	17.7	15.7	13.8	12.1	11.6	11.4	10.9	10.6	19.1	14	7.7	4	11.4	12.7
18.0	16.7	15.7	13.8	12.5	11.2	10.5	9.7	9.4	18.6	15-16	7.2	7	11.4	12.6
16.1	15.5	14.9	14.6	14.0	13.4	12.5	11.9	12.1	16.4	12,15	9.2	1	7.2	13.1
19.1	18.3	16.1	14.8	13.8	13.8	14.0	13.2	12.3	19.8	13,14	11.9	5,6	7.9	15.3
18.0	16.9	15.2	14.6	14.1	13.4	14.4	14.5	14.4	20.7	14	12.3	0	8.4	15.5
20.0	18.8	16.4	15.0	13.6	12.8	12.7	12.8	12.2	20.7	14	11.8	7	8.9	15.6
19.6	19.3	17.1	16.5	14.9	13.9	12.9	12.1	12.4	19.6	16	10.2	4	9.4	14.1
21.3	20.7	18.9	17.7	17.2	17.3	17.3	16.9	16.5	21.5	14,15	12.3	1-2	9.2	16.8
19.7	19.4	19.0	17.8	16.0	15.6	15.1	15.0	15.1	20.1	14	14.9	6-7	5.2	16.8
23.0	21.9	18.7	16.8	15.9	14.8	14.3	14.4	13.6	23.1	14	13.6	24	9.5	17.4
24.2	22.1	19.4	17.3	15.9	15.2	15.2	13.7	13.1	25.5	13-14	13.1	24	12.4	18.1
18.3	18.0	14.6	12.0	10.0	8.9	8.3	7.9	6.6	18.5	14,15	6.6	24	11.9	13.5
19.6	18.6	16.6	15.0	13.7	13.1	12.8	12.3	12.0	20.4		9.8		10.6	14.7

HUMEDAD RELATIVA en %

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	95	96	91	89	89	94	91	78	72	63	55	48	45	40	37
2	81	89	93	95	95	93	91	75	64	52	47	44	41	40	38
3	94	96	97	97	97	96	95	84	73	60	49	42	41	37	34
4	91	96	97	99	100	100	100	83	72	61	52	45	42	36	31
5	91	92	92	93	93	94	92	92	52	37	34	31	34	39	38
6	90	91	90	91	93	93	93	93	74	65	58	56	56	61	58
7	85	89	91	91	91	87	86	80	73	60	56	55	51	53	54
8	85	87	88	88	88	86	86	86	83	81	79	74	61	54	54
9	92	93	92	92	93	93	94	83	75	66	58	52	44	42	41
10	77	79	78	81	81	82	88	94	95	96	96	97	93	94	95
11	96	95	96	95	95	95	94	94	94	93	92	93	94	95	94
12	99	99	99	98	98	96	94	88	81	76	72	60	48	50	50
13	79	86	88	92	93	94	95	81	70	58	54	48	44	40	41
14	99	99	98	98	97	97	96	76	66	52	43	42	40	39	40
15	89	90	91	91	91	91	90	80	72	65	59	52	48	50	52
16	83	82	84	85	87	89	89	88	70	61	46	45	41	44	47
17	87	83	84	88	91	92	95	86	71	64	61	56	51	59	58
18	95	95	95	95	95	97	97	97	95	76	67	60	59	57	57
19	99	99	98	98	98	97	97	97	98	88	75	65	64	63	63
20	98	98	98	97	97	97	96	95	79	71	59	56	57	56	54
21	98	98	97	96	96	95	94	93	89	79	76	65	68	75	61
22	85	82	81	88	88	85	84	76	65	59	53	50	48	49	49
23	96	95	94	95	93	94	93	86	74	70	63	55	47	45	49
24	86	91	93	94	94	94	93	89	70	57	53	52	47	46	51
25	98	98	99	99	99	98	98	98	97	96	95	83	78	71	67
26	100	100	98	98	98	98	98	98	97	89	74	68	65	63	62
27	90	93	93	93	93	93	93	93	95	89	84	84	76	76	73
28	98	98	97	97	97	96	96	96	88	78	70	65	55	53	50
29	90	91	92	93	94	94	93	91	84	70	62	56	46	44	43
30	91	91	85	80	82	76	68	64	57	66	81	64	48	48	44
31															
Prom.	91	92	92	93	93	93	92	87	78	70	64	59	54	54	53

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	8.0	7.8	7.4	6.8	6.4	6.2	6.2	6.6	7.2	7.2	6.4	6.4	6.0	6.2	5.6
2	5.4	5.4	5.8	5.4	5.4	5.4	5.4	5.9	6.0	5.8	6.0	5.8	6.2	6.3	5.8
3	6.6	6.8	6.8	6.8	7.0	6.6	6.8	7.2	7.6	7.0	6.4	6.2	6.6	6.1	6.2
4	6.4	6.4	6.2	6.2	6.0	5.8	6.0	6.8	6.8	7.2	7.0	7.2	6.8	6.6	5.8
5	5.8	5.8	5.6	5.4	5.4	5.4	5.6	8.5	6.4	5.8	7.0	6.0	6.4	8.0	7.2
6	9.5	10.0	9.0	8.0	8.0	7.6	7.6	10.2	9.5	9.0	9.0	10.0	10.0	11.1	10.5
7	10.5	10.5	11.5	11.5	11.0	11.0	11.0	11.6	10.5	9.5	10.5	11.0	11.0	11.1	10.5
8	12.0	12.5	12.0	12.0	12.0	12.5	12.5	12.9	12.5	13.0	13.0	13.0	13.0	12.8	12.5
9	14.0	14.0	14.0	14.5	14.5	14.5	14.5	14.5	14.0	14.5	14.0	13.5	11.5	12.2	12.5
10	14.0	14.0	14.0	14.5	15.0	15.0	15.5	15.7	15.0	15.5	15.5	15.0	15.5	15.3	15.0
11	13.5	13.0	13.5	13.0	13.0	13.0	13.0	13.3	13.0	13.0	13.0	13.0	11.5	11.5	11.0
12	10.5	11.0	10.5	10.5	10.5	10.5	10.0	9.6	10.0	10.0	10.0	9.0	7.2	7.6	7.0
13	7.8	8.0	7.4	7.2	6.8	6.6	6.4	6.7	6.4	6.4	6.4	6.2	6.2	6.0	6.2
14	6.6	6.6	6.6	6.8	6.8	7.0	9.0	7.4	7.6	6.4	6.6	6.2	6.6	6.3	7.0
15	8.0	7.8	7.8	7.6	7.6	7.6	7.4	8.3	8.5	8.5	8.5	8.5	8.0	9.0	8.5
16	7.6	7.6	7.2	7.0	6.8	6.4	6.4	9.6	9.5	9.5	8.0	8.5	7.8	8.3	8.5
17	10.0	9.5	9.0	10.0	10.0	9.0	8.5	10.5	10.5	9.5	10.0	9.5	8.5	9.9	9.5
18	8.0	8.0	8.0	7.8	7.6	7.8	7.6	8.0	9.0	9.0	9.0	8.0	8.5	9.1	9.0
19	8.0	7.6	7.6	7.6	7.8	7.8	7.8	8.8	9.0	9.5	10.0	8.5	10.0	10.3	10.0
20	9.0	8.5	8.5	8.0	7.8	7.6	7.4	8.6	8.0	8.5	7.6	8.0	8.5	9.0	8.0
21	8.5	8.5	8.5	9.0	9.0	8.5	8.5	9.5	10.0	9.5	9.5	10.5	9.0	10.3	8.5
22	9.0	9.0	9.0	9.0	9.0	8.0	8.5	9.4	8.5	8.5	8.5	7.8	8.0	8.4	8.0
23	10.5	10.0	10.0	10.5	10.5	10.5	10.5	10.7	10.0	10.0	9.5	8.5	7.8	8.2	8.0
24	10.0	10.0	10.0	10.0	10.0	9.5	9.5	10.9	10.0	9.5	8.5	9.0	8.5	8.5	9.0
25	9.5	9.0	9.0	9.0	9.0	9.5	9.5	10.7	10.5	11.0	10.0	11.0	11.0	11.4	10.0
26	10.5	10.5	10.5	11.0	11.0	11.0	11.0	12.3	12.5	12.0	11.5	12.0	11.0	12.1	12.0
27	13.0	12.0	12.0	12.0	12.0	11.5	11.5	12.3	12.0	13.5	12.0	12.5	13.5	13.3	12.5
28	12.5	11.5	11.5	12.0	12.0	12.0	12.0	12.5	12.0	12.0	12.0	12.5	10.5	11.2	10.0
29	10.5	11.5	11.5	11.5	11.5	11.5	11.5	12.4	13.0	12.0	12.5	12.5	11.0	10.5	10.0
30	10.5	10.5	9.0	8.5	9.5	8.5	7.6	7.5	6.8	8.0	10.0	8.0	7.0	7.6	6.8
31															
Prom.	9.5	9.4	9.3	9.3	9.3	9.1	9.2	10.0	9.7	9.7	9.6	9.5	9.1	9.5	9.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
36	39	45	54	56	61	70	78	81	96	2	36	16	60	67
40	40	46	59	77	83	84	92	95	95	4,5,24	38	15	57	69
35	35	42	52	56	57	61	74	84	97	3,4,5	34	15	63	66
28	25	42	60	71	77	83	88	91	100	5,6,7	25	17	75	70
39	59	77	76	84	87	88	91	91	94	6	31	12	63	71
57	62	74	80	83	79	76	80	80	93	varios	55	12-13	38	76
59	64	78	86	88	91	91	85	83	92	4-5	49	12-13	43	76
55	60	70	80	86	93	92	94	92	94	23	54	14,15	40	79
45	59	69	74	78	78	74	74	75	94	7	41	15	53	72
96	97	98	98	98	98	97	97	96	98	varios	75	0	23	92
93	95	96	97	98	98	99	99	99	99	22,23,24	92	11	7	95
52	59	74	83	87	89	78	91	91	99	varios	48	13	51	80
41	45	69	83	91	95	97	99	99	99	23,24	40	14	59	74
51	64	76	81	87	87	86	88	90	99	0,1,2	39	14	60	75
52	57	68	80	84	87	91	90	91	91	varios	47	14-15	44	76
51	54	64	75	90	94	93	91	90	94	21	41	13	53	73
62	69	79	86	90	91	92	93	94	95	7	51	13	44	78
63	65	76	91	95	92	93	96	98	98	24	56	14-15	42	84
66	77	89	94	97	98	97	98	99	99	1,2,24	62	14-15	37	88
69	76	79	89	93	95	97	97	97	99	0	54	15	45	83
62	73	80	80	84	85	92	94	91	98	1,2	61	15	37	84
54	59	75	81	82	87	87	95	96	96	24	48	13	48	73
53	63	78	76	82	85	87	93	86	96	0,1	45	14	51	77
54	68	86	91	95	96	97	97	97	97	22,23,24	45	13-14	52	79
65	68	87	94	95	98	99	99	100	100	24	65	16	35	91
64	67	77	88	90	88	87	89	90	100	0,1,2	61	15-16	39	85
76	79	83	91	96	97	98	98	98	98	22,23,24	73	15	25	89
50	55	74	84	85	91	94	95	94	98	0,1,2	50	15,16	48	82
45	54	68	74	83	83	84	91	94	95	5-6	43	15	52	76
45	59	75	83	90	96	97	99	99	99	23,24	44	15	55	74
55	62	73	81	86	88	89	92	92	97		50		47	78

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
5.4	5.2	5.0	4.4	5.8	5.8	5.8	5.8	5.8	8.0	1	4.4	19	3.6	6.2
5.6	5.2	6.0	5.8	7.1	6.6	6.2	6.6	6.6	7.1	20	5.2	17	1.9	5.9
5.2	4.8	5.4	5.6	5.7	5.4	5.6	5.8	6.2	7.6	9	4.8	17	2.8	6.3
4.8	3.8	5.6	5.8	6.2	6.0	5.8	5.8	6.4	7.2	10,12	3.8	17	3.4	6.1
7.2	10.5	10.5	9.5	10.1	10.0	10.0	10.5	10.0	10.5	17,18,23	5.4	4,5,6	5.1	7.6
10.5	10.5	11.0	10.5	11.5	10.5	10.5	10.0	10.0	11.5	20	7.6	6,7	3.9	9.8
10.5	12.0	13.0	13.5	12.9	13.5	13.5	12.0	12.0	13.5	19,21,22	9.5	10	4.0	11.5
12.0	12.0	13.0	13.0	13.6	13.5	13.5	13.5	14.0	14.0	24	12.0	varios	2.0	12.8
11.5	14.5	15.0	15.0	15.6	14.5	14.0	14.0	14.0	15.6	20	11.5	13,16	4.1	14.0
15.0	15.0	14.5	14.5	14.7	14.0	14.0	14.0	13.5	15.7	8	13.5	24	2.5	14.7
11.0	11.0	10.5	11.0	11.2	10.5	10.5	10.5	10.5	13.5	1,3	10.5	varios	3.0	12.0
7.6	8.0	8.5	8.5	8.6	8.0	7.4	9.0	9.5	11.0	2	7.0	15	4.0	9.1
6.2	6.6	7.4	7.8	7.6	7.2	7.0	6.6	6.6	8.0	2	6.0	14	2.0	6.8
8.0	8.5	9.0	9.0	8.7	8.5	8.5	8.0	7.8	9.0	7,18,19	6.2	12	2.8	7.5
8.5	7.6	9.0	10.5	9.6	9.5	9.0	7.8	7.8	10.5	19	7.4	7	3.1	8.4
9.0	8.0	9.0	9.0	10.3	10.0	10.5	10.5	10.5	10.5	22,23,24	6.4	6,7	4.1	8.6
9.5	10.0	10.0	10.0	9.8	10.0	9.5	9.0	8.5	10.5	8,9	8.5	7,13,24	2.0	9.6
8.5	8.5	10.0	10.5	9.3	8.5	8.5	8.5	8.5	10.5	19	7.6	5,7	2.9	8.6
10.5	10.5	11.5	10.5	10.2	9.5	9.5	9.0	9.0	11.5	18	7.6	2,3,4	3.9	9.2
10.0	10.5	10.0	10.0	10.0	9.0	9.0	8.5	8.5	10.5	17	7.4	7	3.1	8.7
8.5	9.5	9.5	9.5	10.0	9.5	10.0	9.0	9.5	10.5	12	8.5	varios	2.0	9.3
8.5	9.0	9.5	10.0	9.6	10.0	10.5	10.5	10.0	10.5	22,23	7.8	12	2.7	9.0
8.0	8.5	10.0	9.5	9.8	9.0	10.5	11.0	10.5	11.0	23	7.8	13	3.2	9.7
9.0	10.5	12.0	12.0	11.1	10.5	10.5	10.5	10.0	12.0	18,19	8.5	11,13,14	3.5	10.0
10.5	11.0	12.5	12.5	12.1	11.0	10.5	10.0	10.0	12.5	18,19	9.0	varios	3.5	10.4
11.5	12.0	12.0	13.0	13.1	12.5	12.5	12.0	12.0	13.1	20	10.5	1,2,3	2.6	11.7
13.0	13.0	12.5	13.5	12.9	12.5	12.5	12.5	12.5	13.5	10,13,19	11.5	6,7	2.0	12.5
10.0	10.0	11.5	11.5	11.5	11.5	11.0	11.5	10.5	12.5	1,8,12	10.0	15,16,17	2.5	11.5
9.5	10.5	11.0	10.5	11.2	10.5	10.5	10.5	10.5	13.0	9	9.5	16	3.5	11.2
6.6	8.5	8.5	8.5	8.3	8.0	7.8	7.6	7.0	10.5	1,2	6.6	16	3.9	8.2
9.0	9.5	10.1	10.2	10.3	9.8	9.8	9.7	9.6	11.2		8.1		3.1	9.6

VIENTO: DIRECCIÓN Y VELOCIDAD: PREVALENCIAS

HORAS / DÍAS	0 – 1		1 – 2		2 – 3		3 – 4		4 – 5		5 – 6		6 – 7		7 – 8		8 – 9		9 – 10		10 – 11		11 – 12		12 – 13		13 – 14		14 – 15	
	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.
1	S	5	S	5	S	7	S	4	S	6	S	6	S	7	S	8	S	12	S	11	S	11	S	13	S	13	S	11	S	11
2	S	4	S	4	S	6	S	7	S	7	S	4	S	6	S	7	S	8	S	12	S	11	S	10	S	12	S	9	S	10
3	S	3	S	3	S	5	S	4	S	5	S	6	S	8	S	8	S	10	S	12	S	14	S	15	S	12	S	13	S	14
4	S	5	S	5	SW	4	SW	6	SW	6	SW	5	SW	4	SW	8	S	7	S	9	S	9	S	9	S	7	S	7	S	7
5	Calma	0	Calma	1	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	N	3	N	3	N	4	N	4	N	8	NW	11	NW	13
6	NE	8	NE	4	NE	4	E	3	E	4	E	4	E	2	Calma	0	NE	8	NE	20	NE	21	NE	24	NE	22	NE	20	NE	20
7	E	8	NE	10	NE	11	NE	12	NE	10	NE	10	NE	12	NE	14	NE	21	NE	21	NE	18	NE	17	NE	18	NE	17	NE	16
8	NE	17	NE	16	NE	14	NE	16	NE	18	NE	15	NE	15	NE	14	NE	19	NE	3	Calma	1	Calma	0	E	4	NE	9	NE	14
9	NE	14	NE	14	NE	12	NE	12	NE	11	NE	10	NE	8	NE	13	N	18	N	20	N	21	N	22	N	23	N	17	N	21
10	NE	14	NE	15	NE	18	NE	14	N	14	N	20	SW	4	SW	8	NW	5	SE	3	NE	2	E	4	S	2	S	5	S	5
11	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	E	2	Calma	0	Calma	1	S	5	S	8	S	13	SE	12
12	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	S	3	Calma	0	Calma	0	S	3
13	SE	7	SE	4	SE	3	SE	3	SE	3	SE	3	SE	2	SE	3	SE	3	SE	8	SE	8	SE	8	SE	6	SE	5	SE	5
14	Calma	0	Calma	1	Calma	1	Calma	0	SE	2	Calma	1	Calma	1	SE	2	SE	4	E	3	E	3	E	5	E	5	SE	4	E	3
15	E	7	NE	2	NE	3	NE	2	NE	4	NE	3	NE	4	NE	9	NE	12	NE	11	NE	11	NE	15	NE	15	NE	10	NE	11
16	NE	7	NE	5	NE	4	NE	5	NE	5	SE	2	Calma	1	E	4	NE	14	NE	13	NE	13	NE	12	NE	16	NE	12	NE	13
17	E	9	E	10	NE	9	NE	7	NE	6	NE	4	Calma	1	SE	3	SE	6	NE	10	NE	8	E	7	E	6	NE	8	NE	6
18	Calma	0	Calma	0	SE	2	Calma	1	Calma	1	S	4	Calma	1	S	4	S	5	S	6	S	7	SE	6	SE	6	S	4	SE	6
19	Calma	1	S	4	S	2	S	2	S	3	S	3	Calma	1	Calma	0	S	3	S	4	S	6	SE	5	SE	6	SE	7	SE	7
20	Calma	1	Calma	1	Calma	1	S	2	S	2	Calma	0	Calma	1	Calma	1	SE	3	SE	4	SE	6	SE	4	SE	4	SE	4	SE	5
21	Calma	1	SE	2	Calma	1	Calma	0	Calma	1	Calma	0	Calma	0	E	3	SE	2	E	5	E	8	E	9	E	10	NE	13	NE	12
22	E	6	NE	5	NE	7	SE	3	E	4	E	7	SE	4	E	5	NE	10	NE	15	NE	13	NE	12	NE	14	NE	11	NE	11
23	SE	3	SE	4	SE	4	E	2	SE	3	Calma	1	Calma	1	Calma	1	NE	6	NE	8	NE	5	NE	6	NE	8	E	7	E	7
24	SE	4	SE	3	SE	2	SE	3	SE	2	SE	2	SE	4	SE	3	E	6	E	13	E	14	E	10	E	9	E	6	E	8
25	S	3	Calma	1	Calma	1	S	3	Calma	0	S	3	Calma	1	Calma	0	Calma	0	Calma	0	S	2	S	3	S	2	E	2	S	4
26	SE	2	E	2	Calma	1	Calma	1	SE	3	E	4	Calma	0	Calma	0	NE	7	NE	7	NE	8	NE	11	NE	12	NE	12	NE	14
27	NE	10	NE	10	NE	10	NE	9	NE	7	NE	8	NE	11	NE	15	NE	20	NE	16	NE	16	NE	13	NE	15	NE	10	NE	8
28	NE	3	NE	4	NE	6	NE	5	NE	7	NE	3	Calma	1	Calma	0	N	6	N	12	N	12	N	14	N	14	N	16	N	12
29	N	10	N	11	N	8	N	7	N	10	N	8	N	9	N	11	N	15	N	15	N	15	N	13	N	15	N	14	N	13
30	S	2	S	4	S	8	S	7	S	7	S	6	S	5	S	4	S	6	S	3	SE	4	SE	5	SE	3	Calma	1	Calma	0
31																														
DIRECCIÓN PREVALENTE	Calma		NE		NE		NE		NE		NE-S Calma		Calma		Calma		NE		NE		NE		NE		NE		NE		NE	
NÚMERO DE HORAS	8		10		11		9		8		7		14		10		9		10		10		8		8		11		11	
PROM. HOR. DE LA VELOCIDAD		5		5		5		5		5		5		5		5		8		9		9		9		10		9		10

15 – 16		16 – 17		17 – 18		18 – 19		19 – 20		20 – 21		21 – 22		22 – 23		23 – 24		PREVALENCIA DIARIA		PROMEDIO DIARIO DE VELOCIDAD	VELOCIDAD INSTANTÁNEA		
DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIRECCIÓN	NÚMERO DE HORAS		VELOCIDAD	DIRECCIÓN	HORA
S	12	S	11	S	4	S	3	S	3	S	3	S	4	S	3	S	4	S	24	7	32	S	12.40
S	8	S	6	S	3	Calma	1	Calma	1	Calma	0	Calma	1	Calma	1	Calma	0	S	18	6	25	S	12.56
S	14	S	14	S	8	S	6	S	6	S	6	S	7	S	5	S	5	S	24	8	30	S	10.07
S	7	S	8	S	2	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	S	12	5	23	S	9.57
NE	11	NE	10	NE	8	NE	8	E	9	E	7	E	8	E	8	E	11	Calma	8	5	19	NE	13.10
NE	21	NE	13	E	9	E	8	E	7	E	9	NE	11	NE	7	E	10	NE	14	11	37	NE	13.12
E	15	E	13	E	12	E	12	E	9	E	5	E	12	NE	16	NE	19	NE	16	14	30	NE	23.18
NE	13	E	11	E	5	E	8	E	6	SE	5	E	6	E	6	E	9	NE	13	10	34	NE	3.44
N	17	NE	9	NE	9	E	8	E	9	NE	12	NE	6	NE	17	NE	17	NE	14	14	35	N	11.26
S	3	S	3	S	4	E	6	SE	4	SE	6	SE	7	SE	7	SE	3	SE S	6	7	31	NE	2.30
SE	9	SE	10	E	11	SE	2	Calma	0	Calma	0	Calma	0	SE	3	Calma	1	Calma	14	3	27	S	13.53
S	2	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	SE	3	SE	5	Calma	19	1	27	S	12.32
SE	4	SE	3	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	SE	17	3	21	S	0.22
E	5	NE	9	NE	9	NE	7	E	3	E	6	E	6	E	5	E	6	E	11	4	15	NE	17.04
NE	9	NE	11	NE	10	E	7	E	8	SE	6	SE	5	SE	5	NE	7	NE	18	8	23	NE	11.29
E	12	E	10	E	7	E	5	E	5	E	4	E	7	E	9	E	9	NE	12	8	27	NE	12.54
NE	9	NE	8	NE	6	NE	4	E	4	Calma	1	Calma	0	SE	2	Calma	1	NE	12	6	15	E	11.32
NE	7	NE	5	NE	3	Calma	1	Calma	1	SE	3	SE	3	SE	2	Calma	1	Calma	8	3	14	S	11.06
SE	6	E	6	E	3	E	4	Calma	1	Calma	1	SE	3	SE	3	SE	2	SE S	8	3	17	E	13.45
SE	9	E	7	E	6	Calma	1	SE	3	Calma	1	Calma	0	Calma	1	Calma	1	Calma	11	3	20	E	15.47
E	13	E	10	E	10	E	6	E	7	E	6	E	3	E	5	E	3	E	14	5	23	NE	13.32
NE	8	NE	8	NE	4	E	4	E	3	E	6	E	8	SE	2	Calma	1	NE	12	7	20	E NE	8.53
NE	9	NE	6	NE	5	E	4	E	2	E	3	NE	5	NE	7	NE	6	NE	11	5	20	NE	10.12
E	7	E	4	E	5	E	3	E	3	Calma	0	Calma	1	SE	3	Calma	1	E	12	5	13	NE	12.36
S	4	E	2	E	8	E	6	Calma	1	Calma	0	Calma	0	Calma	0	SE	2	Calma	11	2	11	S	11.51
NE	14	E	12	E	8	E	7	E	5	E	8	E	11	E	9	E	5	E	10	7	21	NE	11.05
NE	6	NE	7	NE	5	Calma	1	Calma	0	Calma	1	E	4	NE	7	NE	4	NE	20	9	33	NE	8.06
N	10	N	6	N	3	NE	3	NE	4	NE	2	NE	5	NE	4	NE	7	NE	12	6	26	N	12.36
N	10	N	10	N	4	N	3	N	4	N	4	N	4	Calma	0	N	3	N	23	9	29	N	13.14
Calma	0	NW	4	NW	3	NW	2	Calma	1	N	3	N	4	Calma	0	Calma	0	S	10	3	16	S	4.11
NE		NE		E		E		E		Calma		SE Calma		SE		Calma		PREVALENCIA MENSUAL		VELOCIDAD MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		Dirección	Horas		30 Km.		
10		10		11		14		14		11		9		9		10		NE	181	6	DIRECCIÓN	DÍA	HORA
	9		8		6		4		4		4		4		5		5				NE	6	de 11.50 a 12.00

FRECUENCIAS, KILÓMETROS RECORRIDOS Y VELOCIDAD MEDIA POR DIRECCIÓN

DÍAS	NORTE		NORESTE		ESTE		SUDESTE		SUD		SUDOESTE		OESTE		NOROESTE		Calma	TOTALES DIARIOS DE KILÓMETROS
	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	
1						•			24	177								177
2									18	134							6	138
3									24	203								203
4									12	82	6	33					6	115
5	5	22	6	61	5	43											8	127
6			14	203	9	56											1	259
7			16	242	8	86												328
8			13	183	8	55	1	5									2	244
9	8	159	14	164	2	17												340
10	2	34	5	63	2	10	6	30	6	22	2	12			1	5		176
11					2	13	5	36	3	26							14	77
12							2	8	3	8							19	18
13							17	78									7	78
14			3	25	11	50	4	12									6	91
15			18	149	3	22	3	16										187
16			12	119	10	72	1	2									1	194
17			12	85	5	36	3	11									4	135
18			3	15			7	28	6	30							8	79
19					3	13	8	27	8	39							5	83
20					2	13	9	42	2	4							11	68
21			2	25	14	98	2	4									6	130
22			12	118	8	43	3	9									1	171
23			11	71	6	25	4	14									3	113
24					12	88	9	26									3	116
25					4	18	1	2	8	24							11	48
26			8	85	10	71	2	5									4	163
27			20	207	1	4											3	213
28	10	105	12	52													2	158
29	23	216															1	216
30	2	7					3	12	10	52					3	9	6	82
31																		
SUMAS	50	543	181	1867	125	833	90	367	124	801	8	45			4	14	138	4527
% PREVAL POR VELOCIDAD	12.0		41.2		18.4		8.1		18.0		1.0		-		0.3		1.3	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	11		10		7		4		6		6		-		4		0	151

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	1	7	4	4	6				8
1 - 2	1	10	2	4	6				7
2 - 3	1	11		4	5	1			8
3 - 4	1	9	2	3	7	1			7
4 - 5	2	8	2	5	6	1			6
5 - 6	2	7	3	3	7	1			7
6 - 7	1	5	1	3	4	2			14
7 - 8	1	5	3	4	5	2			10
8 - 9	4	9	2	5	7			1	2
9 - 10	4	10	3	3	7				3
10 - 11	4	10	3	3	7				3
11 - 12	4	8	5	5	7				1
12 - 13	4	8	5	5	7				1
13 - 14	3	11	3	4	7				2
14 - 15	3	11	3	5	7				1
15 - 16	3	10	5	4	7				1
16 - 17	2	10	9	2	5			1	1
17 - 18	2	9	11		5			1	2
18 - 19	1	4	14	1	2			1	7
19 - 20	1	1	14	2	2				10
20 - 21	2	2	9	4	2				11
21 - 22	2	4	9	4	2				9
22 - 23		6	6	9	2				7
23 - 24	1	6	7	4	2				10
SUMAS	50	181	125	90	124	8	-	4	138
% de frec. por dirección	6.9	25.1	17.4	12.5	17.2	1.1	-	0.6	19.2

NUBES. VISIBILIDAD

DÍAS	N U B E S										VISIBILIDAD		
	8h		12h		14h		18h		20h		8h	14h	20h
	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	90 - 99		
1	Ci	2	Cu	6	Cu	5	Cu	2	Claro	0	98	98	99
2	Claro	0	Cu	3	Cu	3	Cu	2	Claro	0	8	8	8
3	Claro	0	Cu	1	Claro	0	Claro	0	Claro	0	8	9	6
4	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	8
5	Claro	0	Claro	0	Claro	0	Ci	3	Claro	0	5	8	8
6	Ci	6	Cu 5 Ci 1	6	Cu	5	Ci	4	Claro	0	6	8	7
7	Sc	8	Ac 2 Cu 3	5	Cu	3	Cu	4	Claro	0	7	7	7
8	Sc	8	Sc	8	Cu	2	Cu	1	Claro	0	7	7	8
9	Ac	1	Claro	0	Cu	1	Cu	2	Sc	1	8	8	7
10	Ns	8	St	8	St	8	St	8	Ns	8	4	3	5
11	St	8	Sc	8	St	8	St	8	St	8	4	5	6
12	Ac	3	Ac	6	Ac	7	Ac	4	Claro	0	8	8	8
13	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	7	8	8
14	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	7	7
15	Claro	0	Ac	6	Claro	0	Claro	0	Claro	0	7	8	9
16	Claro	0	Cu	2	Cu	2	Claro	0	Claro	0	7	8	7
17	Claro	0	Cu	6	Cu	5	Cu	5	Cu	5	5	5	7
18	Fs	3	Cu	5	Cu	7	Cu	3	Claro	0	6	7	4
19	Niebla	8	Cu	7	Sc	7	Cu	7	Claro	0	1	8	1
20	Cu	1	Cu	5	Cu 2 Ac 3	5	Cu	4	Claro	0	7	8	6
21	Ac	8	Sc	5	Sc 7 Ci 1	8	Sc	8	Ci	6	7	7	8
22	Sc 2 Ac 4	6	Cu 2 Ac 4	6	Cu 2 Ac 4	6	Ci 2 Ac 3	5	Ac	8	3	7	7
23	Ac	7	Ac	7	Cu 1 Ac 6	7	As	8	As	7	1	8	7
24	Ac 3 Ci 2	5	Ci 5 Cu 1	6	Ci	4	Ac	2	Claro	0	1	3	3
25	Niebla	8	St	8	Cu 3 Ci 1	4	Cu	1	Sc	7	2	7	7
26	Niebla	8	Cu	2	Cu 2 Ci 1	3	Ci	2	Ac	1	1	7	7
27	St	8	Sc	8	Sc	8	Sc	7	Claro	0	7	6	5
28	Ac	5	Cu	3	Cu	4	Cu	1	Claro	0	5	8	8
29	Cu 1 Ci 1	2	Ci	1	Cu	2	Ci 2 Cu 1	3	Ac	1	8	8	8
30	Ac As	8	Sc	8	Ac	7	Co 2 Ci 1	3	Claro	0	8	4	7
31													
Prom.		4		4		4		3		3			

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0–8	Insolación	Transparencia	Observaciones
1	9	35.0	16.5	1.50	1	5	5	
	10	40.8	20.0	1.69	3	5	5	
	12	46.1	23.5	1.84	6	3	5	
	14	45.2	24.1	1.72	5	3	5	
	15	25.0	17.6	0.60	5	3	5	
2	9	35.7	17.0	1.52	1	5	5	
	10	39.0	19.5	1.58	0	5	5	
	12	40.7	22.4	1.49	4	3	5	
	14	42.8	23.4	1.58	3	5	5	
	15	24.5	18.5	0.49	6	0	5	
3	9	36.0	17.8	1.48	0	5	5	
	10	37.7	20.0	1.44	2	5	5	
	12	43.5	24.2	1.57	0	5	5	
	14	44.0	24.8	1.56	0	5	5	
	15	42.0	23.6	1.50	0	5	5	
4	9	36.4	18.0	1.50	0	5	5	
	10	40.0	21.8	1.48	0	5	5	
	12	44.1	24.6	1.58	0	5	5	
	14	43.9	25.9	1.46	0	5	5	
	15	43.1	25.5	1.43	0	5	5	
5	9	38.5	20.5	1.46	0	5	4	
	10	43.1	24.2	1.54	0	5	5	
	12	45.6	26.9	1.52	0	5	5	
	14	44.5	26.9	1.43	0	5	5	
	15	41.6	25.2	1.33	1	5	5	
6	9	26.7	18.5	0.67	7	3	4	
	10	29.3	20.4	0.72	6	3	5	
	12	50.3	28.5	1.77	5	5	5	
	14	39.2	24.6	1.19	5	5	5	
	15	42.5	25.5	1.38	3	5	5	
7	9	28.0	20.0	0.65	8	0	5	
	10	38.3	24.3	1.14	8	4	5	
	12	33.1	23.6	0.77	6	3	5	
	14	43.7	27.7	1.30	3	5	5	
	15	42.9	36.7	0.50	1	5	5	
8	9	24.8	20.0	0.39	8	0	3	
	10	25.3	20.4	0.40	8	0	3	
	12	36.9	25.1	0.96	7	4	5	
	14	46.3	30.2	1.31	2	5	5	
	15	45.0	29.5	1.26	2	5	5	
9	9	42.5	26.5	1.30	2	5	5	
	10	45.6	28.1	1.42	1	5	5	
	12	49.2	32.3	1.37	0	5	5	
	14	49.6	33.1	1.34	1	5	5	
	15	47.7	32.6	1.83	0	5	5	
10	9				8	0	3	Ne.,Am.
	10				8	0	3	Ne.,Am.
	12				8	0	3	Ne.,Am.
	14				8	0	3	Ne.,Am.
	15				8	0	3	Ne.,Am.
11	9				8	0	3	Ne.,Am.
	10				8	0	3	Ne.,Am.
	12				8	0	3	LL.
	14				8	0	3	Z.
	15				8	0	3	Z.
12	9	38.0	20.0	1.46	5	5	5	
	10	36.0	20.6	1.25	5	2	5	
	12	43.6	24.4	1.56	3	5	5	
	14	28.0	19.8	0.67	7	0	5	
	15	26.0	19.0	0.57	7	0	5	
13	9	33.2	16.8	1.33	0	5	5	
	10	38.0	19.3	1.52	0	5	5	
	12	41.2	21.9	1.57	0	5	5	
	14	40.3	22.4	1.46	0	5	5	
	15	38.9	21.8	1.39	0	5	5	
14	9	23.6	17.6	0.49	0	5	4	
	10	38.6	20.4	1.48	0	5	4	
	12	41.2	22.7	1.50	0	5	4	
	14	40.4	23.2	1.40	0	5	5	
	15	38.2	22.3	1.29	0	5	4	
15	9	24.9	17.0	0.64	0	5	5	
	10	34.5	19.5	1.22	6	1	5	
	12	40.2	21.7	1.50	1	5	5	
	14	43.2	24.7	1.50	0	5	5	
	15	40.0	23.5	1.34	1	5	5	
16	9	36.9	20.4	1.34	2	5	4	
	10	40.9	23.4	1.42	2	5	5	
	12	43.1	25.6	1.42	5	5	5	
	14	43.3	25.9	1.41	2	5	5	
	15	38.2	23.8	1.17	2	5	5	
17	9	36.6	20.6	1.30	2	5	5	
	10	38.6	22.3	1.33	3	5	5	
	12	40.2	23.6	1.35	4	5	4	
	14	33.4	22.3	0.90	5	4	4	
	15	38.4	23.3	1.23	5	5	4	
18	9	34.4	16.8	1.43	0	5	5	
	10	35.9	19.0	1.37	2	5	5	
	12	28.3	19.4	0.72	7	4	5	
	14	25.3	19.4	0.48	7	4	4	
	15	24.7	19.4	0.43	5	2	4	
19	9	25.3	15.6	0.79	7	2	4	
	10	29.2	18.4	0.88	7	2	4	
	12	33.9	21.8	0.98	7	3	5	
	14	28.7	20.8	0.64	7	1	5	
	15	26.7	20.6	0.50	7	3	4	
20	9	36.6	18.4	1.48	2	5	5	
	10	38.7	20.0	1.52	3	5	5	
	12	31.4	20.7	0.87	7	3	5	
	14	34.2	21.8	1.01	5	3	5	
	15	40.3	23.3	1.38	3	5	5	
21	9	20.7	15.0	0.46	7	2	2	Ne.
	10	32.7	19.2	1.10	7	4	2	Ne.
	12	30.4	19.9	0.85	8	0	5	
	14	24.6	17.8	0.55	8	0	4	
	15	28.0	19.2	0.72	7	1	5	
22	9	27.1	18.4	0.71	6	1	5	
	10	40.1	22.4	1.44	5	3	5	
	12	44.0	24.5	1.58	6	3	5	
	14	35.2	22.4	1.04	6	3	5	
	15	40.0	23.4	1.35	4	4	5	
23	9	25.6	18.4	0.58	7	3	4	
	10	23.1	18.1	0.41	8	2	5	
	12	34.0	22.3	0.95	7	4	5	
	14	38.0	24.1	1.13	7	4	5	
	15	28.4	20.8	0.62	7	4	5	
24	9	37.1	21.6	1.26	5	5	1	Ne.
	10	40.2	23.4	1.36	4	5	5	
	12	39.8	24.3	1.26	4	5	5	
	14	33.2	22.4	0.88	4	5	3	
	15	37.4	23.6	1.12	4	5	3	
25	9				8	0	2	N.
	10				8	0	2	Z.
	12				8	0	2	Am.
	14	39.3	23.6	1.28	4	5	5	
	15	38.7	23.6	1.23	1	5	4	
26	9	22.4	17.9	0.36	8	0	3	Ne.
	10	32.6	20.6	0.98	5	3	3	Ne.
	12	42.8	25.4	1.41	1	5	5	
	14	41.3	25.7	1.27	3	5	5	
	15	39.7	25.3	1.17	1	5	5	
27	9				8	0	3	Z.
	10				8	0	3	Am.
	12				8	0	4	Z.
	14				8	0	4	Am.
	15	22.5	21.5	0.08	8	0	4	
28	9	37.2	21.9	1.24	3	5	5	
	10	35.4	22.8	1.02	3	5	5	
	12	45.9	28.4	1.42	4	5	5	
	14	36.9	26.4	0.85	4	5	5	
	15	35.4	25.4	0.81	4	5	5	
29	9	38.1	22.7	1.25	4	5	5	
	10	42.2	25.6	1.35	1	5	5	
	12	35.9	25.6	0.84	4	5	5	
	14	41.8	28.2	1.10	2	5	5	
	15	42.4	28.6	1.12	2	5	5	
30	9				8	0	4	Am.
	10				8	0	4	Z.
	12	24.4	19.5	0.40	7	5	3	Ne.
	14	29.6	20.2	0.76	7	4	3	Ne.
	15	22.9	17.8	0.41	6	4	3	
31	9							
	10							
	12							
	14							
	15							

HELIOFANÍA

DÍAS \ HORAS	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H.EFECTIVA	H.TEÓR.ASTRON	H.RELATIVA
1			1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.8	0.3		9.7	11.6	84
2		0.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.7	0.8	0.2		9.6	11.6	83
3		0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3		10.4	11.5	90
4		0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4		10.6	11.5	92
5			0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		9.8	11.5	85
6			0.8	1.0	0.8	0.8	1.0	1.0	1.0	1.0	1.0	0.4	0.1		8.9	11.4	78
7					0.1	0.7	1.0	0.8	1.0	1.0	1.0	0.3			5.9	11.4	52
8								1.0	1.0	1.0	1.0	1.0			5.0	11.4	44
9			0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6				8.4	11.3	74
10															0.0	11.3	00
11															0.0	11.3	00
12				1.0	1.0	1.0	1.0	0.9	0.3	0.2	0.3	0.7	0.1		6.5	11.2	58
13		0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		10.3	11.2	92
14		0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			9.8	11.1	88
15			0.7	1.0	0.9	0.7	0.9	1.0	1.0	1.0	1.0	1.0			9.2	11.1	83
16			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8			9.3	11.1	84
17			0.8	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.5			7.3	11.0	66
18				0.6	1.0	1.0	0.8	0.6	0.9	0.7	0.5	0.5			6.6	11.0	60
19					0.2	0.2	0.5	0.7	0.8	0.5	0.5	0.1			3.5	11.0	32
20			0.6	1.0	1.0	1.0	1.0	0.4	0.7	0.9	0.9				7.5	10.9	69
21						0.1		0.1							0.2	10.9	02
22			0.7	0.5	0.1	0.8	1.0	1.0	1.0	0.8	0.6	0.5			7.0	10.9	64
23							0.1	0.2	0.4						0.7	10.8	07
24			0.3	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.2			8.0	10.8	74
25								0.1	0.4	1.0	1.0	0.6			3.1	10.8	29
26						1.0	1.0	1.0	1.0	1.0	1.0	0.6			6.6	10.8	61
27											0.1				0.1	10.7	01
28				0.7	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.7			8.1	10.7	76
29			0.3	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.9	0.5			8.6	10.7	80
30							0.5	0.3	0.1	0.3	0.5	0.3			2.0	10.6	19
31																	
Medias		0.0	0.4	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.1		6.4	11.1	58

GEOTEMPERATURA

DÍAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h
1	17.1	19.9	18.3	17.5	18.7	18.3	17.4	17.3	17.5	18.6	18.3	18.3	21.7	21.5	21.3
2	15.4	18.9	17.6	16.1	17.8	17.6	16.3	16.4	16.7	17.7	17.5	17.4	21.1	20.9	20.7
3	14.2	19.0	17.5	15.6	17.5	16.3	15.7	16.0	16.3	17.1	17.0	17.0	20.6	20.4	20.2
4	14.5	18.9	17.2	15.3	17.3	17.2	15.3	15.5	16.1	16.6	16.5	16.7	20.1	20.1	19.9
5	14.3	19.3	17.7	14.9	17.5	17.4	15.1	15.5	16.2	16.5	16.4	16.6	20.0	19.9	19.7
6	15.8	19.7	18.5	16.0	17.9	17.9	15.7	16.0	16.5	16.7	16.7	16.9	19.9	19.9	19.9
7	17.9	20.1	19.5	17.2	18.5	18.7	16.3	16.6	17.1	17.0	17.1	17.3	20.0	20.1	20.1
8	18.6	20.9	20.1	18.1	19.3	19.3	16.9	17.3	17.7	17.5	17.6	17.8	20.3	20.7	20.4
9	19.4	22.6	21.5	18.7	20.5	20.6	17.7	18.0	18.6	18.0	18.1	18.5	20.7	20.7	20.8
10	20.8	20.9	20.6	19.9	20.1	19.4	18.5	18.5	18.3	18.7	18.7	18.6	21.2	21.3	20.9
11	19.4	19.4	18.7	19.0	19.0	18.3	17.9	17.7	17.4	18.5	18.2	18.1	21.1	21.0	20.9
12	18.0	19.6	18.3	17.7	18.7	18.0	17.0	17.0	17.0	17.8	17.6	17.5	20.7	20.9	20.9
13	16.2	18.2	17.1	16.5	17.7	17.3	16.3	16.2	16.4	17.3	17.1	17.1	20.5	20.3	20.1
14	15.0	18.0	17.0	15.3	17.0	16.9	15.3	15.5	15.8	16.6	16.4	16.7	20.0	19.9	19.6
15	15.0	18.0	17.0	15.2	16.8	16.9	15.0	15.2	15.8	16.2	16.2	16.2	18.6	19.5	19.4
16	15.1	18.3	17.3	15.3	17.1	16.9	15.0	15.1	15.6	16.1	15.9	16.1	19.3	19.3	19.1
17	16.1	18.3	17.3	15.9	17.3	17.1	15.3	15.5	15.8	16.1	16.1	16.3	19.3	19.3	19.2
18	15.5	17.7	17.0	15.5	16.7	16.7	15.1	15.3	15.5	16.1	16.0	16.1	19.3	19.1	19.1
19	15.3	17.6	16.9	15.3	16.5	16.6	14.9	14.9	15.3	15.9	15.7	15.9	19.1	19.0	18.9
20	15.0	17.4	16.9	15.1	16.4	16.5	14.7	14.9	15.2	15.7	15.6	15.7	18.9	18.9	18.7
21	15.5	16.9	16.7	15.7	16.2	16.3	14.7	14.9	15.0	15.7	15.6	15.7	18.8	18.7	18.3
22	15.8	18.0	16.2	15.5	16.8	16.7	14.8	15.0	15.4	15.6	15.6	15.8	18.7	18.7	18.7
23	16.5	17.9	17.3	16.1	16.9	16.8	15.1	15.3	15.4	15.8	15.8	15.9	18.8	18.8	18.7
24	16.6	18.4	17.5	16.1	17.3	17.1	15.2	15.5	15.7	15.9	16.1	16.1	18.8	18.8	18.8
25	16.2	16.8	17.6	15.9	16.7	16.9	15.1	15.2	15.4	15.9	15.9	15.9	18.9	18.9	18.8
26	16.5	18.6	18.2	16.1	17.4	17.5	15.2	15.4	15.9	15.9	15.9	16.1	18.8	18.9	18.8
27	16.2	18.2	17.6	16.8	17.4	16.0	15.8	15.8	15.8	16.2	16.2	16.2	19.0	19.0	18.9
28	17.3	19.6	18.6	16.7	18.1	18.0	15.7	16.1	16.3	16.3	16.3	16.3	19.1	19.1	19.1
29	17.5	19.2	18.8	16.9	18.2	18.1	15.9	16.1	16.5	16.5	16.5	16.7	19.3	19.3	19.2
30	17.3	17.7	16.9	16.9	17.1	16.9	15.9	15.9	15.8	16.5	16.5	16.3	19.3	19.3	19.2
31															
Prom.	16.5	18.8	17.9	16.4	17.7	17.5	15.8	16.0	16.3	16.7	16.6	16.7	19.7	19.7	19.6

LLUVIA, ESTADO DEL SUELO, ETC...

DÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en %						Freatímetro
	50 cm.	1.50 m.	7 m.	18 m.		8^h	14^h	20^h	Total	Punto	7 cm.	15 cm.	30 cm.	60 cm.	1 m.	
1	0.0	0.0	0.0	0.0	0	0.5	1.5	1.5	3.7							10077
2					0	0.7	1.5	1.3	3.1	Ñ. 19	7.6	8.0	11.4	17.8	13.9	10081
3					0	0.3	2.7	0.6	3.9							10084
4					0	0.6	1.5	1.0	3.0							10086
5					0	0.5	1.9	1.7	3.9							10088
6					0	0.3	1.8	1.3	3.8							10094
7					0	0.7	2.3	1.2	4.6	Ñ. 20	6.7	8.2	14.9			10091
8					0	1.1	1.2	1.3	3.2							10096
9					0	0.7	2.4	2.7	7.5							10105
10	8.7	9.3	8.4	9.5	2	2.4	0.1	0.1	0.6							10107
11	30.1	30.0	29.5	29.6	2	0.4	0.0	0.1	0.5							10110
12	7.9	8.2	7.4	6.3	2	0.4	0.7	0.9	2.4	Ñ. 21	20.4	19.3	16.8			10115
13					1	0.8	1.4	1.2	2.8							10117
14					0	0.2	1.4	1.1	2.8							10118
15					0	0.3	1.5	1.5	3.8							10124
16					0	0.8	0.9	1.4	2.8							10125
17					0	0.5	1.2	0.8	2.2	Ñ. 22	17.3	17.2	14.9			10127
18					0	0.2	0.7	1.1	1.8							10129
19					0	0.0	0.7	0.7	1.6							10130
20					0	0.2	0.7	0.9	1.6							10136
21					0	0.0	0.9	0.9	2.3							10138
22					0	0.5	1.5	1.1	2.8	Ñ. 23	16.6	17.0	15.9	17.9		10142
23					0	0.2	1.3	1.1	2.9							10142
24					0	0.5	1.6	0.9	2.5							10145
25					0	0.0	0.2	0.7	1.2							10148
26					0	0.3	0.8	0.9	2.5							10149
27					0	0.8	0.7	0.6	1.9							10151
28					0	0.6	0.4	1.3	1.8	Ñ. 24	14.7	15.9	16.9			10154
29					0	0.1	2.0	1.6	4.3							10157
30					0	0.7	0.9	1.0	2.1							10162
31																
Prom.	46.7	47.5	45.3	45.4	-	0.5	1.2	1.1	2.8	-	-	-	-	-	-	10121

0.50 m.			1 m.			2 m.	3 m.	Temper. Mínima de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos
8^h	14^h	20^h	8^h	14^h	20^h	8^h	8^h		
20.9	20.9	20.5	20.9	20.9	20.9	21.0	19.7	- 0.5	Ca. m. y n., Cn. t.
20.5	20.4	20.2	20.7	20.7	20.7	21.0	19.7	- 1.5	Ca. m. t. y n., r. m. y n.
20.0	20.0	19.7	20.6	20.9	20.3	21.0	19.8	- 0.6	Ca. m. t. y n., r. m., B. n.
21.7	19.7	19.7	20.2	20.4	20.2	21.0	19.0	- 1.0	Ca. m. t. y n., r. m.
19.4	19.4	19.4	20.1	20.2	20.1	20.8	19.4	- 1.1	Ca. m. t. y n., N.,Ne.,r. m.
19.4	19.3	19.2	20.0	20.1	20.1	20.9	19.4	1.9	Cn. m. y t., Ca. n., Ne. m., B. n.
19.5	19.4	19.4	20.0	20.0	20.0	20.8	19.5	8.1	Cn. m., Ca. t. y n., dv. m.
19.5	19.6	19.5	20.0	20.2	20.0	20.7	19.7	11.6	Cn. m., Ca. t. y n.
19.8	19.8	19.8	20.1	20.0	20.0	20.7	19.7	11.5	Ca. m. t. y n.
20.0	20.1	19.9	20.1	20.1	20.1	19.1	19.8	17.5	Cn. m. t. y n., Ru. m., LL. m., Ne.LL. t.
19.8	19.8	19.7	20.1	20.0	20.1	21.1	19.7	15.3	Cn. m. t. y n., Ne.LL. m., Z. t.
19.6	19.5	19.5	20.0	20.1	20.1	20.5	-	10.5	Ca. m. y n., Cn. t., r. n.
19.3	19.3	19.0	19.8	19.9	19.8	20.5	19.4	0.9	Ca. m. t. y n., r. m. y n.
19.0	18.5	18.5	19.6	19.8	19.7	21.0	19.5	0.9	Ca. m. t. y n., r. m. y n.
18.2	18.7	18.6	19.8	19.8	19.7	20.5	-	0.8	Ca. m. t. y n., r. m. y n.
18.5	18.5	18.3	19.4	19.5	19.5	21.0	-	0.6	Ca. m. t. y n., Ns. Ne. m., Ne. t.
18.3	18.4	18.3	19.3	19.3	18.8	21.0	-	3.0	Ca. m., Cn. t. y n., Ne. r. m., Ne. t.
18.3	18.3	18.2	19.0	19.1	19.1	20.8	19.5	1.2	Ca. m. t. y n., Ne. r. m., Ne. N. n.
18.2	18.3	18.0	19.1	19.1	19.1	20.4	19.5	1.3	Cn. m. y t., Ca. n., N. dv. m., Ns. N. n.
18.0	18.0	17.8	18.8	18.9	18.8	20.8	19.6	0.4	Ca. m. y n., Cn. t., r. m., Ne. n.
17.8	18.0	17.7	18.7	18.8	18.8	20.2	19.5	-	Cn. m. t. y n., dv. m., Ne. t.
17.7	17.7	17.7	18.8	18.8	18.8	20.2	19.9	5.0	Cn. m. t. y n., r. Ne. m.
17.8	17.8	17.7	18.7	18.7	18.7	20.1	19.5	6.5	Cn. m. t. y n., dv. Ne. m.
17.8	17.8	17.8	18.7	18.7	18.7	20.1	19.6	9.5	Cn. m. y t., Ca. n., Ne. m., B. t., N. n.
17.9	17.9	17.8	18.6	18.6	18.7	20.0	19.6	5.0	Cn. m. t. y n., N. dv. m.
17.8	17.9	17.8	18.6	18.6	18.6	20.0	19.6	8.0	Cn. m., Ca. t. y n., N. dv. m.
18.2	18.2	18.2	18.7	18.9	18.9	20.0	19.8	9.1	Cn. m. y t., Ca. n., r. Z. m., Ne. r. n.
18.0	18.1	17.9	18.5	18.6	18.7	19.9	19.5	9.9	Cn. m. y t., Ca. n., dv. Ne. m.
18.2	18.2	18.1	18.6	18.6	18.6	19.9	19.4	8.8	Ca. m. t. y n., r. m.
18.3	18.2	18.2	18.6	18.6	18.6	19.8	19.4	8.4	Cn. m. y t., Ca. n., Z. m., B. t.
18.9	18.9	18.7	19.5	19.5	19.5	20.5	-	5.2	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESIÓN ATMOSFÉRICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANÍA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mm. mb.	mm. mb.			mm. mb.			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	62.4	67.4	2	8	55.6	10	5-6	15.2	21.7	9.6	28.7	9	14	3.5	2	6-7	7.8	11.4	68
2ª	64.8	68.6	16,17	21,23,24;0	56.8	11	18-19	13.3	18.9	8.3	21.2	16	14	5.6	13;14	24;0	7.0	11.1	63
3ª	63.6	68.4	26	9-10	55.7	29	15,16	15.6	20.6	11.6	25.5	29	13-14	6.6	30	24	4.4	10.8	41
MES	63.6	68.6	16,17	21,23,24;0	55.6	10	5-6	14.7	20.4	9.8	28.7	9	14	3.5	2	6-7	6.4	11.1	58

DÉCADA	HUMEDAD DEL AIRE								VIENTO										LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas				Instantáneas				Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Velocidad Máxima	Dirección	Día	Hora						
	%	%		%		mm. mb.	mm. mb.	mm. mb.		Km/h	Km/h		Km/h		Km/h				mm.	mm.		mm.		
1ª	74	100	4	25	4	9.5	15.7	3.8	S	7	30	6	24	6	11-12	37	NE	6	13.12	39.3	30.0	10	14.0	10	18-19
2ª	81	99	Varios	39	14	8.8	13.5	6.0	SE	4	12	15, 16	16	16	12-13	27	S S NE	11 12 16	13.53 12.32 12.54	8.2	8.2	11	4.5	11	17-18
3ª	81	100	25,26	44	30	10.4	13.5	6.6	NE	9	18	Vs.	20	27	8-9	33	NE	27	8.06	-	-	-	-	-	-
MES	78	100	4,25,26	25	4	9.6	15.7	3.8	NE	10	30	6	24	6	11-12	37	NE	6	13.12	47.5	30.0	10	14.0	10	18-19

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACIÓN							VIENTO - TORM. ELÉCT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
	◊	∞	=	≡	≡	⌇	⌀	●	,	✳	▽	▽	△	▲	⚑	⚑	⚑
1ª	-	2	3	1	-	-	-	1	-	-	-	-	-	-	-	1	-
2ª	-	-	5	2	1	-	-	1	-	-	-	-	-	-	-	-	-
3ª	-	1	6	3	-	-	-	-	2	-	-	-	-	-	-	-	-
MES	-	3	14	6	1	-	-	2	2	-	-	-	-	-	-	1	-

DÉCADA	FENÓMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
	⌒	⌴	V	▼	⊠	⊕	◐	◑	◡	⌒	◇	◔	◕	⩛	⩓	⩔
1ª	4	-	-	-	-	-	-	-	-	-	-	9	1	-	2	-
2ª	6	-	-	-	-	-	-	-	-	-	-	9	1	-	-	-
3ª	3	-	-	-	-	-	-	-	-	-	-	8	2	-	1	-
MES	13	-	-	-	-	-	-	-	-	-	-	26	4	-	3	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VI — MAYO 1951 — Nº 5

RESUMEN MENSUAL

En los primeros días, la formación de un anticiclón al norte de la cuenca del Río de la Plata, determina una dirección de viento prevalente desde dicho sector con intensidad variable que, a las 12.00 hs. es de 37 Km/h, valor máximo de este mes. Esto provoca un marcado ascenso de la temperatura y disminución de la H.R. que registra su valor mínimo en el mismo día 1° con 29%. La temperatura sigue aumentando favorecida ahora por la aeromasa tropical que cubre la zona del Observatorio hasta el día 6, en que se registra la temperatura máxima mensual con 28.1°C. Con cielo parcialmente cubierto, llueve debido a la proximidad desde el S de un frente, que hace su pasaje sobre la estación en las últimas horas del mismo día. El 7 una densa niebla envuelve el Observatorio. El 8 invade la región una masa de aire polar que provoca abundante precipitación pluvial Al terminar la década, se aprecia un descenso paulatino de la tensión del vapor y gran nubosidad.

El día 11 avanza desde el N una aeromasa tropical, que desplaza la polar ambiente. La temperatura aumenta con ello considerablemente, llegando a un valor sólo inferior en 0.3°C al máximo ya anotado y la tensión alcanza al promediar el día 13 su valor máximo con 18.5 mm. Un frente del SW provoca luego marcado descenso de la temperatura; la proximidad de una masa de aire polar que el día 15 cubre la cuenca del Plata confundiéndose en la parte norte con la aeromasa tropical que intentaba a su vez invadirla provoca abundantes precipitaciones; la presión desciende el día 16 hasta 754.2 mm, valor mínimo mensual. La temperatura siente el efecto de esa aeromasa fría y no alcanza su valor medio correspondiente al mes de Mayo hasta el fin de la segunda década.

A partir del día 21 se registra ascenso de temperatura y fuerte radiación solar, hasta el día 23 por la tarde en que el paso de un frente frío produce abundante nubosidad, cambio de la dirección del viento que sopla del sector SW, chaparrones aislados y nuevamente descenso de la tensión del vapor que alcanza el día 26 su valor mínimo con 3.2 mm. A partir de este día el cielo se despeja, la dirección del viento prevalente es del sector SW, la temperatura y tensión están por debajo de sus respectivos valores normales; el día 31 fórmase un anticiclón hacia el NE de Buenos Aires, abarcando una extensa zona hacia el Uruguay, el viento gira hacia el N y la presión culmina con 769.2 mm valor máximo del mes. La lluvia de este mes ha sido muy intensa, con 10 días de precipitación y más de 200 mm.

Con respecto a los valores promedios mensuales sólo difieren los de la temperatura y tensión del vapor que acusan desviaciones positivas de 2.0°C y 1.0 mm respectivamente.

POTENCIAL ATMOSFÉRICO en V/M.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	55	69	55	62	83	83	55	28	76	97	83	55	55	69	90
2	21	28	41	41	41	55	48	21	-34	-34	-21	28	55	55	76
3	-28	- 7	28	48	41	48	97	97	90	48	55	28	34	34	28
4	90	83	90	97	104	117	104	83	69	69	83	76	55	104	69
5	83	69	69	69	76	76	41	34	28	34	69	55	41	14	41
6	41	41	41	55	76	83	83	48	34	76	213	7	28	41	55
7	69	83	83	76	83	90	90	48	21	76	110	131	69	28	97
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	138	213	200	179	226
10	14	28	21	14	14	14	21	-48	104	193	193	145	97	90	152
11	90	83	83	97	-138	220	-21	-41	-28	-62	48	138	166	124	138
12	76	76	90	62	62	41	48	145	124	166	152	145	131	131	166
13	76	76	83	90	97	83	104	76	97	110	97	83	69	76	90
14	-	-	-	-	-	-	-13	-20	-16	- 3	-56	19	-30	7	-13
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	97	76	76	55	76	152	138	172	138	172	213	69	69	90	97
17	28	83	90	41	34	41	48	69	104	90	97	104	110	117	104
18	62	69	48	34	55	-	-	-	-	83	117	138	110	90	90
19	-	-	-	-	-	-	-	97	104	159	124	110	97	97	124
20	83	76	97	90	97	76	76	28	48	76	131	110	131	166	110
21	110	97	117	145	124	131	117	104	145	131	110	83	76	90	138
22	104	83	97	90	104	97	83	104	90	97	90	83	62	90	97
23	62	58	64	66	58	56	44	56	29	41	51	41	46	72	85
24	+∞	+∞	-∞	173	152	83	130	104	131	159	145	117	104	110	104
25	110	131	179	166	138	117	159	193	252	350	272	138	138	145	138
26	69	34	28	28	34	69	90	55	62	62	76	83	69	55	41
27	124	124	138	152	145	145	179	179	239	252	246	291	193	131	-
28	28	34	55	62	76	69	69	-	131	117	124	110	104	104	104
29	55	55	69	55	90	83	83	90	124	124	124	124	117	110	110
30	76	69	83	97	110	131	145	117	104	166	193	152	200	166	152
31	109	95	76	64	68	85	99	111	111	111	125	118	115	125	127
Prom.	82.1	73.9	80.4	80.0	88.4	90.5	91.3	85.5	95.4	109.9	114.9	101.1	98.2	107.4	108.2

IONIZACIÓN DEL AIRE

DÍAS	COEFICIENTE DE DISPERSION "a" x 100								CONDUCTIBILIDAD "λ" .10⁻⁴							
	mañana				tarde				mañana				tarde			
	a^-	a^+	a^-+a^+	a^-/a^+	a^-	a^+	a^-+a^+	a^-/a^+	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-
1									1.01	1.01	2.02	1.00	1.12	1.05	2.17	1.07
2									1.24	1.21	2.45	1.02	0.82	0.91	1.73	0.90
3									1.00	0.82	1.82	1.22	1.08	1.24	2.32	0.87
4									1.19	1.13	2.32	1.05	0.83	0.99	1.82	0.84
5									1.15	1.23	2.38	0.93	1.13	1.12	2.25	1.01
6									0.46	0.45	0.91	1.02	0.81	0.80	1.61	1.01
7									0.32	0.28	0.60	1.14	0.25	0.25	0.50	1.00
8									0.25	0.21	0.46	1.19	0.62	0.69	1.31	0.90
9									0.71	0.71	1.42	1.00	0.39	0.26	0.65	1.50
10									0.79	0.93	1.72	0.85	0.69	0.83	1.52	0.83
11									0.83	0.55	1.38	1.51	0.75	0.89	1.64	0.84
12									0.80	0.88	1.68	0.91	0.92	1.10	2.02	0.84
13									0.87	0.81	1.68	1.07	0.69	0.58	1.27	1.19
14									0.20	0.22	0.42	0.91	0.43	0.59	1.02	0.73
15									-	-	-	-	-	-	-	-
16									0.17	0.19	0.36	0.89	1.24	1.22	2.46	1.02
17									1.26	1.30	2.56	0.97	1.06	0.84	1.90	1.26
18									0.55	1.08	1.63	0.51	0.84	0.91	1.75	0.92
19									0.97	1.26	2.23	0.77	0.93	0.65	1.58	1.43
20									0.71	0.73	1.44	0.97	0.69	0.68	1.37	1.01
21									0.95	1.11	2.06	0.86	0.90	0.99	1.89	0.91
22									0.85	1.65	2.50	0.52	1.26	1.81	3.07	0.70
23									0.96	2.08	3.04	0.46	0.75	0.74	1.49	1.01
24									0.86	0.82	1.68	1.05	0.67	0.58	1.25	1.16
25									0.60	0.56	1.16	1.07	0.67	0.80	1.47	0.84
26									0.36	0.61	0.97	0.59	0.75	0.81	1.56	0.92
27									0.01	0.06	0.07	0.17	1.02	1.08	2.10	0.94
28									0.78	0.84	1.62	0.93	1.08	1.17	2.25	0.92
29									0.78	1.02	1.80	0.76	-	-	-	-
30									0.07	0.04	0.11	1.75	0.52	0.54	1.06	0.96
31									0.41	0.48	0.89	0.85	0.31	0.32	0.63	0.97
Prom.									0.70	0.81	1.51	0.86	0.80	0.84	1.64	0.95

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplit.	Tipo de Curva
55	62	69	97	83	83	83	69	28	68.5	179	-28	207	1
55	76	110	62	41	28	-41	14	14		179	-97	278	2
34	69	62	41	83	62	90	110	104		179	-152	331	1
97	145	186	124	104	90	90	90	83	95.9	239	14	225	0
76	124	124	124	110	48	-	-	-		207	-14	221	1*
48	69	117	110	83	- 7	-28	-	69		397	-224	621	2*
28	21	14	28	-	-	-	-	-		166	-34	200	1*
-	-	-	83	-34	284	278	-	-		∞	-533	-	3*
166	83	-	-	-	-	-	-	-		333	00	333	0*
145	131	90	55	83	83	90	90	83		310	-152	462	1
138	152	110	55	83	117	131	159	110		813	-809	1622	2
124	152	145	152	145	138	124	131	138	119.3	278	21	257	0
76	69	55	28	21	21	21	34	28	69.2	207	- 7	214	1
31	60	-40	- 7	-43	-73	-10	- 3	10		149	-167	316	2*
-	-	-	-	97	83	83	76	76		∞	-∞	-	3*
76	90	117	76	28	-55	48	28	90		471	-862	1333	1
104	104	124	97	97	55	28	21	7		186	-28	214	1
104	110	90	117	117	97	48	48	48		166	21	145	0
145	239	179	159	172	138	152	138	117		464	83	381	0*
200	159	145	110	69	48	69	69	90	98.1	297	-34	331	1
117	110	220	226	239	172	138	138	152	135.6	408	41	367	0
145	152	159	159	166	145	166	166	166	116.4	193	-28	221	1
74	-126	91	95	10	+∞	+∞	+∞	+∞		∞	-∞	-	3*
117	90	110	117	104	-83	-69	104	-90		∞	-∞	-	3*
166	179	220	239	117	55	- 7	- 7	55		402	-41	443	1
55	76	83	124	131	124	110	97	104	73.3	145	- 7	152	1
-	97	152	166	76	48	69	48	28		464	-110	574	1*
110	110	131	138	117	97	83	76	69		193	21	214	0*
110	124	159	193	233	207	152	110	97	116.6	278	28	250	0
166	104	166	246	233	186	193	138	83	144.8	297	34	263	0
152	156	156	171	159	135	113	122	120	117.6	222	53	169	0
117.9	119.0	140.3	148.2	143.9	122.6	114.4	105.8	99.0	105.0				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i" $.10^{-7}$ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
hora iones	hora λ a.m.	hora λ p.m.	a.m.	p.m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
83	62	69	4.17	2.46	1144	1020	2164	1.12	0.38	1.55
-14	14	69	1.14	3.98	813	1039	1852	0.78	2.17	0.21
55	28	34	1.70	2.63	800	664	1464	1.20	1.63	1.49
90	69	110	5.34	6.67	767	800	1567	0.96	1.05	1.09
55	48	90	3.81	6.75	916	710	1626	1.29	1.19	2.23
226	28	41	0.85	2.20	607	744	1351	0.82	0.59	1.46
110	117	7	2.34	0.12	1620	310	1930	5.22	3.19	0.68
-	-	-	-	-	813	1020	1833	0.80	0.96	-
179	193	117	9.14	2.54	-	-	-	-	-	-
145	145	145	8.31	7.35	664	572	1236	1.16	0.94	2.29
62	152	145	6.99	7.93	901	358	1259	2.52	-	0.52
145	131	117	7.34	7.88	448	515	963	0.87	1.32	-
97	97	62	5.43	2.62	517	103	620	5.02	-	-
53	46	62	0.64	2.11	664	1018	1682	0.65	1.49	1.87
-	-	-	-	-	633	457	1090	1.38	3.10	1.70
179	69	83	0.83	6.81	457	228	685	2.00	1.70	1.89
104	104	104	8.87	6.59	1069	763	1832	1.40	1.97	1.29
131	138	104	7.50	6.07	763	744	1507	1.02	0.76	1.46
110	117	138	8.70	7.27	1088	901	1989	1.21	0.20	-
104	131	239	6.29	10.91	1144	662	1806	1.73	1.33	0.59
110	83	110	5.70	6.93	612	1031	1643	0.59	0.33	1.27
97	90	172	7.50	17.60	1203	867	2070	1.39	0.19	2.49
48	56	60	5.67	2.98	662	916	1578	0.72	0.58	1.66
138	124	117	6.94	4.88	916	1010	1926	0.91	-	-
172	131	166	5.06	8.13	710	800	1510	0.89	1.38	1.09
76	83	62	2.6	3.22	1257	987	2244	1.27	0.34	0.29
291	328	41	0.76	2.87	208	287	495	0.72	1.80	2.28
110	110	110	5.94	8.25	1031	767	1798	1.34	0.43	1.08
124	124	110	7.44	-	1270	1085	2355	1.17	1.14	0.37
152	104	152	0.38	5.37	287	253	540	1.13	2.28	1.41
132	125	159	3.71	3.34	664	916	1580	0.72	1.48	2.14
116	105	103	4.87	5.59	822	718	1540	1.14	1.26	1.38

COMPONENTE NORTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	22.0	22.0	17.5	19.7	20.9	16.2	16.2	7.0	7.0	7.0	12.8	13.9	8.1
2	12.8	16.2	15.1	18.6	9.3	3.5	12.8	4.6	- 6.2	- 6.2	5.8	4.6	1.2
3	5.8	10.4	9.3	11.6	7.0	2.3	- 1.2	- 5.0	- 3.7	1.2	3.5	- 2.5	5.8
4	5.8	13.9	12.8	12.8	8.1	5.8	7.0	1.2	- 8.7	- 3.7	- 2.5	2.3	5.8
5	3.5	4.6	8.1	13.9	2.3	4.6	4.6	- 3.7	- 3.7	2.3	5.8	7.0	7.0
6	7.0	4.6	7.0	9.3	3.5	3.5	2.3	- 2.5	- 3.7	- 3.7	2.3	5.8	4.6
7	7.0	11.6	5.8	8.1	7.0	9.3	16.2	10.4	1.2	9.3	- 8.7	1.2	3.5
8	7.0	8.1	10.4	13.9	9.3	1.2	5.8	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	2.3	9.3	3.5
10	8.1	10.4	11.6	12.8	7.0	5.8	7.0	4.6	3.5	3.5	- 1.2	3.5	7.0
11	9.3	7.0	5.8	7.0	2.3	2.3	7.0	11.6	7.0	5.8	7.0	3.5	5.8
12	8.1	10.4	7.0	7.0	2.3	2.3	7.0	4.6	2.3	3.5	2.3	10.4	9.3
13	9.3	15.1	11.6	10.4	7.0	8.1	5.8	4.6	4.6	5.8	8.1	8.1	10.4
14	-	-	-	-	-	-	-	-	-	2.3	4.6	10.4	11.6
15	22.0	20.9	20.9	-	-	-	-	-	-	-	-	-	-
16	10.4	11.6	8.1	10.4	7.0	5.8	9.3	1.2	- 2.5	3.5	2.3	5.8	9.3
17	11.6	22.0	10.4	11.6	5.8	2.3	3.5	1.2	- 1.2	- 3.5	1.2	8.1	5.8
18	13.9	12.8	13.9	13.9	7.0	7.0	8.1	10.4	4.6	3.5	2.3	10.4	5.8
19	11.6	12.8	10.4	12.8	7.0	2.3	3.5	1.2	1.2	- 1.2	2.3	7.0	10.4
20	3.5	10.4	9.3	11.6	5.8	7.0	4.6	1.2	- 1.2	1.2	3.5	4.6	3.5
21	3.5	9.3	9.3	10.4	3.5	2.3	4.6	- 1.2	- 1.2	- 2.5	- 1.2	2.3	2.3
22	7.0	7.0	8.1	9.3	3.5	1.2	4.6	1.2	1.2	- 1.2	- 1.2	2.3	1.2
23	4.6	7.0	5.8	8.1	4.6	1.2	2.3	- 3.7	- 3.7	- 1.2	1.2	3.5	9.3
24	20.9	15.1	12.8	12.8	5.8	4.6	4.6	2.3	2.3	3.5	2.3	3.5	1.2
25	7.0	9.3	8.1	9.3	2.3	2.3	2.3	3.5	- 1.2	1.2	1.2	4.6	5.8
26	7.0	11.6	12.8	12.8	2.3	1.2	3.5	1.2	5.8	7.0	3.5	11.6	2.3
27	8.1	16.2	11.6	13.9	10.4	5.8	9.3	2.3	2.3	2.3	4.6	3.5	- 2.3
28	4.6	11.6	8.1	10.4	4.6	1.2	1.2	-	-	-	-	-	-
29	5.8	4.6	10.4	10.4	1.2	- 1.2	2.3	- 1.2	1.2	1.2	- 1.2	1.2	2.3
30	5.8	7.0	3.5	5.8	4.6	4.6	7.0	4.6	4.6	- 3.7	- 5.0	- 2.5	1.2
31	3.5	4.6	5.8	4.6	4.6	7.0	7.0	2.3	- 1.2	- 1.2	- 1.2	3.5	2.3
Prom	8.8	11.3	10.0	11.2	5.9	4.3	6.0	2.5	0.4	1.3	2.0	5.2	5.1
Var.	4.6	7.1	5.8	7.0	1.7	0.1	1.8	- 1.7	- 3.8	- 2.9	- 2.2	1.0	0.9

COMPONENTE ESTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	1.6	4.7	4.7	1.6	- 3.1	-11.0	- 6.3	- 7.8	- 7.8	- 7.8	-17.3	-12.6	-12.6
2	- 7.8	1.6	- 1.6	- 1.6	-12.6	-18.8	- 7.8	-11.0	-11.0	-12.6	- 9.4	-11.0	- 9.4
3	- 3.1	- 1.6	- 3.1	- 4.7	-15.7	-15.7	-12.6	-11.0	-12.6	- 9.4	-11.0	-15.7	-17.3
4	- 3.1	3.2	3.2	- 3.1	-15.7	-18.8	-11.0	-11.0	-17.3	-11.0	- 9.4	- 9.4	- 9.4
5	- 4.7	1.6	- 1.6	- 4.7	- 6.3	- 9.4	-12.6	-12.6	-17.3	-14.1	-15.7	-17.3	-12.6
6	1.6	3.2	1.6	- 3.1	-15.7	-17.3	-17.3	- 9.4	-12.6	- 9.4	-15.7	- 7.8	- 9.4
7	1.6	3.2	3.2	- 1.6	-14.1	-22.0	-20.4	- 9.4	-15.7	-12.6	- 7.8	-12.6	-14.1
8	1.6	3.2	- 1.6	- 3.1	-11.0	-17.3	- 7.8	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	- 3.1	- 3.1	- 7.8
10	- 3.1	6.3	6.3	4.7	- 9.4	-15.7	- 7.8	- 1.6	- 4.7	- 1.6	- 1.6	- 4.7	- 6.3
11	1.6	1.6	- 1.6	- 3.2	-11.0	-22.0	-17.3	- 3.1	1.6	4.7	1.6	- 1.6	- 6.3
12	1.6	3.2	1.6	- 3.1	-17.3	-22.0	-18.8	- 9.4	-14.1	- 9.4	-15.7	-14.1	-14.1
13	- 4.7	1.6	- 1.6	- 1.6	- 3.1	- 6.3	- 6.3	-11.0	-15.7	-15.7	-15.7	-20.4	-15.7
14	-	-	-	-	-	-	-	-	-	-12.6	-15.7	-14.1	-14.1
15	- 3.1	- 3.1	- 1.6	- 7.8	-25.1	-22.0	-11.0	-	-	-	-	-	-
16	- 9.4	- 6.3	- 9.4	-12.6	-26.7	-26.7	-28.3	-23.6	-22.0	-12.6	-18.8	-18.8	-18.8
17	-12.6	- 7.8	-12.6	-12.6	-25.1	-31.4	-28.3	-26.7	-22.0	-29.8	-25.1	-28.3	-22.0
18	- 9.4	- 6.3	-12.6	-12.6	-23.6	-31.4	-28.3	-22.0	-20.4	-23.6	-23.6	-25.1	-25.1
19	-11.0	-11.0	-15.7	-18.8	-28.3	-33.0	-33.0	-26.7	-33.0	-23.6	-26.7	-28.3	-26.7
20	-15.7	- 7.8	- 6.3	-12.6	-15.7	-17.7	-18.8	-22.0	-29.8	-29.8	-26.7	-31.4	-26.7
21	-17.3	- 6.3	- 9.4	- 9.4	-23.6	-31.4	-31.4	-23.6	-23.6	-22.0	-22.0	-23.6	-23.6
22	- 6.3	- 4.7	- 9.4	- 9.4	-28.3	-33.0	-26.7	-20.4	-20.4	-20.4	-22.0	-22.0	-22.0
23	- 7.8	- 7.8	-11.0	-11.0	-20.4	-22.0	-25.1	-20.4	-20.4	-15.7	-18.8	-22.0	-18.8
24	-15.7	- 9.4	-11.0	-11.0	-22.0	-29.8	-22.0	-26.7	-23.6	-17.3	-23.6	-22.0	-20.4
25	-20.4	-11.0	-12.6	-11.0	-20.4	-23.6	-22.0	-20.4	-28.3	-22.0	-23.6	-25.1	-20.4
26	-18.8	- 6.3	-11.0	-11.0	-23.6	-23.6	-23.6	-20.4	-22.0	-22.0	-23.6	-20.4	-18.8
27	-17.3	- 9.4	-12.6	-12.6	-12.6	-15.7	-15.7	-17.3	-22.0	-20.4	-22.0	-29.8	-22.0
28	-17.3	- 6.3	- 7.8	-11.0	-23.6	-23.6	-26.7	-	-	-	-	-	-
29	- 9.4	- 4.7	-11.0	-12.6	-25.1	-29.8	-28.3	-23.6	-22.0	-20.4	-17.3	-18.8	-20.4
30	- 3.1	- 3.1	- 9.4	-11.0	-22.0	-26.7	-25.1	-18.8	-18.8	-14.1	-18.8	-20.4	-18.8
31	-12.6	- 6.3	- 7.8	- 7.8	-18.8	-26.7	-22.0	-22.0	-20.4	-14.1	-22.0	-22.0	-20.4
Prom	- 7.7	- 3.0	- 5.6	- 7.5	-17.9	-22.2	-19.4	-16.6	-18.3	-15.5	-16.8	-17.9	-16.9
Var.	7.2	11.9	9.3	7.4	- 3.0	- 7.3	- 4.5	- 1.7	- 3.4	- 0.6	- 1.9	- 3.0	- 2.0

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13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
8.1	- 3.7	- 5.0	- 1.2	- 6.2	3.5	- 4.6	18.6	29.0	23.2	19.7	11.3	2
- 5.0	1.2	1.2	- 5.0	- 3.7	- 2.5	9.3	8.1	1.2	9.3	10.4	4.9	1
4.6	- 5.0	4.6	1.2	- 1.2	- 1.2	- 2.5	2.3	- 6.2	10.4	10.4	2.6	1
2.3	2.3	- 6.2	- 5.0	3.5	3.5	3.5	2.3	4.6	8.1	7.0	3.6	0
1.2	- 2.5	- 3.7	1.2	- 1.2	1.2	- 1.2	7.0	11.6	3.5	4.6	3.2	0
1.2	1.2	- 1.2	- 6.2	- 5.0	- 6.2	- 2.5	2.3	2.3	7.0	- 1.2	1.3	1
1.2	2.3	1.2	- 3.7	3.5	3.5	5.8	3.5	8.1	10.4	10.4	5.3	1
-	-	-	2.3	3.5	-	-	-	-	-	-	6.8	1
4.6	3.5	- 5.0	-13.6	- 1.2	-24.8	12.8	15.1	7.0	10.4	2.3	1.9	2
5.8	3.5	2.3	1.2	3.5	5.8	5.8	5.8	4.6	7.0	4.6	5.6	1
3.5	- 2.5	3.5	1.2	- 3.7	1.2	1.2	12.8	4.6	7.0	5.8	4.8	1
- 2.5	4.6	4.6	1.2	3.5	1.2	4.6	8.1	7.0	9.3	5.8	5.2	1
4.6	3.5	4.6	2.3	3.5	9.3	-	-	-	-	-	7.2	0
5.8	1.2	7.0	- 2.5	4.6	5.8	8.1	10.4	11.6	22.0	16.2	7.9	1
-	-	-	-	- 1.2	- 2.5	1.2	1.2	- 1.2	7.0	10.4	7.9	1
8.1	2.3	- 1.2	- 3.7	3.5	3.5	7.0	9.3	4.6	15.1	10.4	5.9	1
10.4	3.5	- 1.2	- 6.2	- 2.5	4.6	1.2	7.0	10.4	10.4	11.6	5.3	1
5.8	2.3	1.2	1.2	2.3	3.5	2.3	3.5	8.1	10.4	8.1	6.8	0
7.0	2.3	2.3	- 2.5	3.5	- 1.2	3.5	4.6	2.3	3.5	3.5	4.6	0
1.2	1.2	- 2.5	- 2.5	2.3	- 1.2	- 1.2	3.5	- 2.5	5.8	4.6	3.1	1
2.3	- 1.2	1.2	1.2	1.2	1.2	1.2	2.3	4.6	7.0	4.6	2.8	0
2.3	- 1.2	- 1.2	- 2.5	- 3.7	- 1.2	- 1.2	- 1.2	- 1.2	3.5	2.3	1.6	0
8.1	- 1.2	- 6.2	- 3.7	5.8	4.6	7.0	8.1	8.1	9.3	15.1	3.9	1
1.2	1.2	- 2.5	- 7.4	- 2.5	- 3.7	2.3	1.2	4.6	8.1	8.1	4.3	0
4.6	1.2	1.2	- 5.0	- 1.2	- 1.2	- 8.7	1.2	9.3	11.6	10.4	3.3	1
1.2	- 8.7	- 9.9	-14.9	- 8.7	- 6.2	- 2.5	- 2.5	- 8.7	- 3.7	17.5	1.5	2
1.2	1.2	- 2.5	- 1.2	- 1.2	- 5.0	- 5.0	1.2	0.0	4.6	5.8	3.6	0
7.0	2.3	1.2	- 2.5	- 1.2	- 1.2	- 1.2	3.5	3.5	8.1	8.1	3.8	0
3.5	-	-	-	- 1.2	- 5.0	- 1.2	3.5	2.3	5.8	4.6	2.3	1
- 2.5	1.2	- 2.5	- 3.5	- 2.5	2.3	1.2	2.3	2.3	4.6	1.2	1.7	1
1.2	- 2.5	- 2.5	- 2.5	- 2.5	1.2	- 1.2	1.2	1.2	5.8	3.5	1.9	0
3.4	0.5	- 0.6	- 2.8	- 0.2	- 0.2	1.6	5.0	4.6	8.4	7.8	- 4.2	
- 0.8	- 3.7	- 4.8	- 7.0	- 4.4	- 4.4	- 2.6	0.8	0.4	4.2	3.6		

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13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
-11.0	- 9.4	- 9.4	-17.3	-14.1	-15.7	- 9.4	-11.0	- 9.4	- 1.6	- 4.7	- 7.8	1
- 9.4	- 7.8	-11.0	-17.3	-15.7	-15.7	-17.3	- 9.4	- 7.8	1.6	- 1.6	- 9.4	1
-11.0	-11.0	- 9.4	-15.7	- 9.4	- 7.8	- 9.4	- 6.3	- 4.7	- 1.6	- 3.1	- 9.3	1
-11.0	- 9.4	-12.6	-15.7	-15.7	- 9.4	- 9.4	-11.0	- 3.1	- 1.6	- 3.1	- 9.0	1
-15.7	-11.0	- 9.4	-18.8	-17.3	-14.1	-17.3	- 7.8	1.6	1.6	1.6	- 9.7	1
- 9.4	-11.0	-14.1	-17.3	-18.8	-11.0	- 9.4	-11.0	-11.0	- 4.7	- 9.4	- 9.9	1
-15.7	-12.6	-11.0	-15.7	-15.7	-11.0	-20.4	-17.3	- 9.4	- 4.7	- 9.4	-11.0	1
-	-	-	-12.6	- 9.4	-	-	-	-	-	-	- 6.4	1
- 3.1	-18.8	- 7.8	- 6.3	- 7.8	- 1.6	- 9.4	- 6.3	- 7.8	1.6	1.6	- 5.7	1
- 7.8	- 9.4	-12.6	-12.6	- 6.3	- 3.1	- 9.4	- 7.8	- 3.1	- 1.6	1.6	- 4.6	2
- 3.1	- 7.8	- 6.3	- 6.3	-11.0	- 7.8	-12.6	-12.6	- 7.8	1.6	- 1.6	- 5.4	0
-11.0	-12.6	-15.7	-22.0	-22.0	-22.0	-17.3	-14.1	-11.0	- 6.3	- 7.8	-12.2	1
-17.3	-12.2	-11.0	-18.8	-14.1	- 3.1	- 6.8	-	-	-	-	-10.0	1
-12.6	-17.3	- 9.4	-20.4	-18.8	-11.0	-14.1	-14.1	-11.0	- 6.3	- 6.3	-13.2	1
-	-	-	-	-18.8	-15.7	-22.0	-18.8	-12.6	- 9.4	- 6.3	-12.7	2
-22.0	-26.7	-18.8	-22.0	-23.6	-20.4	-25.1	-20.4	-18.8	-20.4	-14.1	-19.4	2
-25.1	-22.0	-23.6	-29.8	-25.1	-22.0	-23.6	-22.0	-20.4	- 9.4	-12.6	-21.7	2
-26.7	-26.7	-23.6	-26.7	-26.7	-28.3	-31.4	-26.7	-23.6	-14.1	-14.1	-22.0	2
-26.7	-26.7	-26.7	-28.3	-31.4	-28.3	-25.1	-22.0	-20.4	-12.6	-12.6	-24.0	2
-28.3	-26.7	-25.1	-28.3	-31.4	-33.0	-37.7	-23.6	-26.7	-15.7	-18.8	-23.2	2
-22.0	-25.1	-18.8	-17.3	-20.4	-18.8	-23.6	-18.8	-11.0	- 6.3	- 9.4	-19.1	2
-18.8	-26.7	-20.4	-20.4	-22.0	-22.0	-23.6	-25.1	-20.4	-11.0	-12.6	-19.5	1
-20.4	-20.4	-17.3	-15.7	-17.3	-18.8	-20.4	-22.0	-23.6	- 7.8	-11.0	-17.3	1
-18.8	-22.0	-17.3	-22.0	-22.0	-22.0	-23.6	-23.6	-22.0	-12.6	-17.3	-19.9	1
-20.4	-18.8	-22.0	-25.1	-25.1	-23.6	-22.0	-18.8	-18.8	- 9.4	-15.0	-20.0	1
-20.4	-18.8	-22.0	-28.3	-26.7	-29.8	-25.1	-18.8	-17.3	- 7.8	-15.7	-19.8	1
-25.1	-17.3	-23.6	- 7.5	-22.0	-25.1	-20.4	-17.3	-23.6	- 7.8	-11.0	-17.9	1
-17.3	-23.6	-20.4	-23.6	-22.0	-26.7	-22.0	-20.4	-18.8	- 9.4	- 9.4	-18.3	2
-18.8	-	-	-	-20.4	-22.0	-18.8	-18.8	-15.7	- 9.4	- 9.4	-17.9	2
-17.3	-22.0	-23.6	-25.1	-18.8	-18.8	-22.0	-22.0	-14.1	-11.0	-11.0	-17.3	2
-17.3	-22.0	-18.8	-18.8	-18.8	-20.4	-17.3	-15.7	-14.1	- 9.4	- 9.4	-16.9	1
-16.7	-17.3	-16.5	-19.2	-19.0	-17.6	-18.9	-16.7	-14.0	- 7.1	- 8.7	14.9	
- 1.8	- 2.8	- 1.6	- 4.3	- 4.1	- 2.7	- 4.0	- 1.8	0.9	7.8	6.2		

PRESIÓN ATMOSFERICA

en mm. de Hg. al nivel del Observatorio: 700 mm.+ ...

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	64.5	64.3	63.7	63.3	63.2	63.3	63.5	63.8	63.6	63.2	62.5	61.6	59.7	60.0	59.6
2	58.8	58.6	58.6	58.6	58.6	58.7	58.8	59.2	59.2	59.2	58.9	58.4	57.7	57.0	56.7
3	58.0	57.7	57.1	57.6	58.3	58.3	59.1	59.6	59.8	59.9	59.9	59.3	58.8	58.5	58.5
4	59.7	59.8	59.8	59.9	60.0	60.3	60.7	61.0	60.9	60.7	60.3	59.7	58.9	58.4	58.3
5	58.9	58.9	58.8	58.7	58.7	58.9	59.2	59.4	59.1	58.8	58.7	57.2	57.2	56.8	56.6
6	57.1	56.7	56.3	56.0	55.9	55.8	56.1	56.2	56.6	56.5	56.6	56.3	55.4	54.8	54.7
7	55.6	55.0	55.8	56.2	55.9	56.7	56.9	57.6	57.8	57.7	57.4	57.2	56.7	56.4	56.4
8	59.7	60.0	60.0	59.8	61.1	61.7	62.5	63.3	63.9	64.3	62.7	61.2	59.8	59.0	58.6
9	58.6	59.0	59.2	59.5	59.7	60.9	61.0	61.8	61.6	61.5	61.4	61.0	60.2	59.7	59.8
10	60.6	60.6	59.9	59.3	59.7	60.2	60.2	60.2	60.2	60.0	59.7	59.5	58.7	58.6	58.4
11	58.2	57.8	57.6	57.4	57.6	58.0	58.2	59.2	59.1	59.1	59.1	58.6	58.1	57.6	57.7
12	57.6	57.6	57.6	57.4	57.4	57.6	57.9	58.0	58.0	58.1	57.9	57.2	56.5	56.0	55.4
13	55.8	55.6	55.5	55.5	55.8	56.1	56.6	56.9	57.1	57.2	57.8	57.7	57.5	57.6	57.8
14	63.4	63.4	63.3	63.3	63.0	63.0	63.4	64.1	63.7	63.3	63.2	62.5	61.8	61.2	61.3
15	58.3	58.2	57.4	57.1	57.2	57.7	58.1	58.0	58.1	58.2	58.3	57.8	57.2	57.2	57.3
16	57.8	57.7	57.5	57.0	57.1	57.1	57.1	57.1	56.7	56.6	55.9	55.6	55.0	54.4	54.4
17	56.2	56.2	56.1	56.3	56.4	56.4	57.2	57.8	57.7	58.4	58.3	57.8	57.2	56.8	57.1
18	59.3	58.8	58.7	59.0	59.2	59.8	60.0	60.6	60.7	60.7	60.7	60.3	60.2	60.0	59.8
19	62.0	62.0	62.0	61.6	61.5	61.3	61.5	61.6	61.6	61.6	61.0	60.4	59.9	59.5	59.6
20	59.3	59.6	59.6	59.8	60.4	61.0	61.5	62.0	62.0	62.2	62.6	62.4	61.8	61.6	61.5
21	63.5	63.5	63.8	63.7	64.0	64.0	64.0	64.1	63.9	64.3	64.0	63.5	63.4	63.4	63.4
22	63.5	63.1	63.1	63.0	62.8	62.8	63.1	63.1	62.8	62.7	62.0	61.2	60.3	59.6	58.8
23	56.1	55.8	55.7	55.2	55.3	55.4	55.8	56.4	56.4	56.5	56.4	55.8	56.0	55.4	55.2
24	56.7	56.9	57.7	57.8	59.0	59.9	61.2	62.0	62.8	63.6	63.5	63.2	62.8	62.8	62.9
25	65.0	64.3	64.6	64.2	64.2	64.3	64.5	64.7	64.2	63.6	63.2	63.4	61.3	60.3	60.1
26	58.8	58.8	58.8	58.7	58.8	59.7	60.0	60.8	61.0	61.4	61.4	61.2	61.2	61.3	61.0
27	62.8	63.1	63.0	62.8	62.5	62.5	62.5	62.6	62.0	61.3	60.2	58.9	58.4	58.0	57.5
28	57.3	57.2	56.9	56.8	56.8	56.9	57.2	57.7	57.6	57.6	57.1	56.9	56.8	56.6	56.8
29	60.9	61.1	61.3	61.4	61.5	61.8	61.9	62.5	62.5	62.9	63.0	62.9	62.6	62.6	62.5
30	65.1	65.1	65.1	65.1	65.3	66.0	66.4	67.2	67.5	67.7	67.4	67.3	67.2	67.2	67.3
31	68.1	68.1	68.1	68.2	68.4	68.4	68.4	68.8	69.0	69.0	68.9	68.8	67.9	67.4	67.2
Prom	59.9	59.8	59.8	59.7	59.8	60.1	60.5	60.9	60.9	60.9	60.6	60.2	59.6	59.2	59.1

TEMPERATURA DEL AIRE

a la sombra en grados C.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	6.1	5.8	5.9	6.2	6.0	6.3	6.5	11.4	15.2	18.3	20.6	21.2	22.4	22.7	22.7
2	16.3	16.1	15.6	15.1	14.9	15.0	15.0	16.1	18.7	20.7	23.6	25.2	26.8	27.0	26.8
3	19.3	19.2	18.7	18.0	17.5	17.7	18.1	18.3	19.6	20.9	22.1	22.9	25.8	25.8	24.9
4	18.4	18.2	17.7	17.7	17.8	17.8	17.2	17.9	19.9	21.6	24.5	25.0	27.0	27.4	27.3
5	18.6	17.8	17.5	17.3	17.2	17.2	16.4	17.0	20.3	23.4	25.1	26.6	27.0	27.4	27.2
6	18.4	18.6	18.4	17.9	17.9	17.7	17.6	18.4	20.0	20.0	19.9	19.9	22.7	27.6	28.1
7	20.5	19.6	18.1	17.9	17.9	17.6	17.4	15.9	16.0	16.2	16.4	16.6	17.0	17.9	17.7
8	16.4	16.2	15.6	15.6	15.6	15.5	14.2	13.2	12.3	12.3	10.8	11.7	12.9	13.7	13.7
9	14.7	14.8	14.9	14.9	15.0	15.1	15.2	15.3	15.9	16.2	16.7	18.2	19.0	19.3	18.9
10	16.0	16.1	16.2	16.2	16.3	16.4	16.4	16.3	17.1	17.7	18.7	19.5	20.3	20.7	20.2
11	17.6	17.6	17.6	17.7	17.8	17.8	17.8	17.9	18.0	18.9	19.2	19.9	20.5	21.4	21.0
12	19.0	18.9	19.1	19.0	19.1	19.2	19.3	19.6	21.6	22.4	24.2	25.8	26.3	26.6	26.7
13	19.9	20.0	19.7	19.2	18.7	18.8	18.4	19.1	20.8	22.4	24.2	26.3	27.1	27.8	27.7
14	14.5	14.0	13.9	13.7	13.7	13.7	13.7	13.7	13.5	13.7	14.8	15.5	15.7	16.0	16.2
15	13.9	13.8	13.7	13.7	13.6	13.5	13.2	12.5	12.8	13.1	13.4	13.8	14.5	15.1	14.9
16	13.0	12.6	12.4	12.5	12.5	12.6	12.6	11.7	11.8	12.0	13.0	14.9	15.5	15.8	15.5
17	13.5	13.5	13.3	13.2	13.3	13.3	13.3	12.5	12.6	12.2	14.6	15.2	16.0	16.9	16.9
18	12.2	12.0	11.6	11.5	11.3	11.2	11.0	10.5	10.9	11.9	14.2	15.4	16.5	16.5	16.3
19	6.1	5.4	5.4	5.1	5.3	5.5	5.5	8.1	11.6	14.4	16.2	17.4	18.3	18.2	17.9
20	10.7	10.8	10.8	10.8	10.4	9.7	9.8	9.9	10.1	10.7	13.3	14.1	14.7	14.8	14.5
21	9.9	9.7	9.6	9.5	9.4	9.4	9.3	9.8	12.4	14.4	16.5	17.7	18.4	18.7	18.7
22	13.9	13.4	12.9	12.4	11.9	11.4	10.9	12.2	13.4	16.1	19.0	19.7	21.0	21.1	21.0
23	14.7	14.7	14.8	14.5	14.2	14.3	14.4	14.8	14.9	16.2	17.4	18.9	19.0	19.1	19.0
24	15.4	15.1	14.2	14.1	14.2	14.1	13.2	11.7	12.2	14.4	14.7	15.4	16.0	17.6	17.3
25	6.2	6.3	6.5	6.7	6.8	7.1	7.3	8.0	10.5	13.2	14.7	15.1	15.3	16.2	16.2
26	13.4	13.4	13.3	13.1	12.4	11.0	9.1	8.0	8.0	9.0	10.3	11.4	11.8	11.7	11.6
27	6.1	4.8	4.3	3.6	3.3	3.2	2.9	2.6	4.7	5.5	8.1	10.5	11.8	12.3	12.1
28	9.9	9.8	9.8	9.8	9.5	9.6	8.8	8.9	10.7	12.4	13.8	15.1	15.7	16.2	15.9
29	5.6	5.2	4.9	5.1	5.3	5.8	6.0	7.7	9.2	11.0	13.2	13.7	14.4	15.2	14.9
30	5.3	4.8	4.6	4.7	4.3	4.1	4.2	4.7	7.0	10.2	12.1	14.1	14.1	14.0	13.8
31	8.5	8.3	8.3	7.9	7.6	7.6	7.6	7.7	9.1	11.1	13.2	13.6	14.0	14.6	14.4
Prom	13.4	13.1	12.9	12.7	12.6	12.6	12.3	12.6	13.9	15.2	16.7	17.8	18.6	19.2	19.0

16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
59.4	59.3	59.2	59.3	59.4	59.5	59.5	59.5	59.4	64.8	0	59.2	18	5.6	761.4 mm.	1015.2 mb.
56.6	56.7	56.6	56.7	56.7	56.8	56.8	56.8	56.8	59.4	0	56.6	16,18	2.8	57.8	1010.4
58.5	58.7	58.8	59.0	59.0	59.3	59.5	59.8	59.9	60.0	9-10	56.8	0	3.2	58.9	1011.8
58.3	58.4	58.6	58.6	59.0	59.0	59.0	59.0	58.9	61.0	8	58.3	15,16	2.7	59.5	1012.6
56.7	56.7	57.0	57.3	57.8	57.8	57.3	57.1	57.1	59.4	8	56.6	15	2.8	58.0	1010.6
54.7	54.7	54.8	54.9	54.8	55.7	55.3	55.4	55.5	57.1	0,1	54.7	15,16,17	2.4	55.7	1007.6
56.4	56.7	57.2	57.4	58.3	58.8	59.2	59.5	59.7	59.7	24	55.0	2	4.7	57.2	1009.6
58.6	58.2	61.0	59.2	61.2	62.3	61.5	60.3	59.2	64.8	9-10	58.2	17	6.6	60.8	1014.4
60.0	60.6	60.9	61.0	60.7	60.6	60.5	60.8	60.4	61.8	8	58.6	1	3.2	60.4	1013.8
58.4	58.5	58.4	58.5	58.1	58.6	58.4	58.5	58.3	60.7	0-1	58.3	24	2.4	59.2	1012.1
57.6	57.6	57.6	57.6	57.6	57.7	57.6	57.8	57.8	59.3	7-8	57.4	4	1.9	58.0	1010.6
55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.8	55.8	58.2	9-10	55.4	varios	2.8	56.6	1008.8
58.4	58.9	59.6	60.8	61.6	61.9	62.6	63.2	63.3	63.3	24	55.5	3,4	7.8	58.4	1011.2
61.3	60.8	60.6	60.6	60.3	59.9	59.9	59.9	59.0	64.1	8	59.0	24	5.1	61.9	1015.8
57.5	57.6	57.7	57.8	58.0	58.0	58.1	58.2	57.9	59.0	0	57.1	4	1.9	57.8	1010.4
54.5	54.3	54.5	54.7	55.4	55.9	56.0	55.9	55.2	57.9	0	54.2	17-18	3.7	56.0	1008.0
57.4	57.6	58.0	57.9	58.4	58.8	59.0	59.3	59.6	59.6	24	55.2	0	4.4	57.6	1010.1
60.1	60.4	60.7	61.2	61.8	61.8	61.8	62.0	62.0	62.0	23,24	58.7	3	3.3	60.4	1013.8
59.7	59.6	59.4	59.5	59.4	59.4	59.5	59.5	59.4	62.1	0-1	59.3	21-22	2.8	60.5	1014.0
61.7	62.3	62.6	62.7	63.0	63.2	63.5	63.7	63.7	63.7	24	59.3	1	4.4	61.8	1015.7
63.6	63.5	63.3	62.9	62.8	62.8	63.2	63.3	63.6	64.3	10	62.8	20,21	1.5	63.6	1018.1
58.6	57.9	57.6	56.9	56.8	56.4	56.4	56.5	56.4	63.6	0	56.4	21,22,24	7.2	60.2	1013.6
55.2	55.2	55.5	55.9	56.4	56.7	56.9	56.8	56.9	56.9	22,24	55.1	15-16	1.8	56.0	1008.0
63.4	63.6	64.0	64.7	64.8	64.8	65.5	65.7	65.4	65.7	23	56.3	0-1	9.4	62.3	1016.4
59.4	59.3	59.5	59.5	59.2	59.1	59.0	59.2	59.0	65.4	0	59.0	22,24	6.4	61.9	1015.8
61.5	61.6	61.8	63.0	63.2	63.2	63.2	63.0	63.0	64.4	22-23	58.7	4	5.7	61.1	1014.8
57.4	57.1	57.4	57.3	57.2	57.8	57.9	57.7	56.8	63.1	2	56.5	19-20	6.6	59.8	1013.0
57.0	57.7	58.3	58.9	59.4	59.9	60.1	60.6	60.6	60.6	23,24	56.6	14	4.0	57.9	1010.5
62.7	63.1	63.3	64.0	63.9	64.0	64.4	64.4	65.1	65.1	24	60.6	0	4.5	62.8	1017.0
67.3	67.3	67.4	67.5	67.6	67.8	67.9	68.0	68.0	68.1	23-24	65.1	varios	3.0	66.9	1022.5
67.0	67.1	67.1	67.1	67.2	67.1	67.0	66.7	66.6	69.2	9-10	66.6	24	2.6	67.8	1023.7
59.2	59.2	59.5	59.6	59.8	60.0	60.1	60.1	60.0	62.1		58.0		4.1	59.9	1013.2

16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
22.5	21.0	18.7	17.6	17.5	17.8	17.5	17.2	16.7	22.7	14-15	5.8	2	16.9	15.2
26.3	25.1	22.5	20.9	19.9	20.0	19.7	18.5	18.6	27.0	14	14.9	5	12.1	20.2
23.7	21.6	19.7	19.0	18.6	18.2	18.3	18.2	18.3	26.1	14-15	17.3	4-5	8.8	20.2
27.1	25.3	22.0	19.9	18.8	18.4	18.6	18.8	18.9	27.4	14	17.2	7	10.2	21.0
26.8	24.7	21.7	19.8	18.8	18.5	19.1	18.9	18.7	27.4	14	16.4	7	11.0	21.0
28.0	25.5	22.3	21.4	21.4	21.7	20.8	20.7	20.7	28.1	15	17.6	7	10.5	21.1
17.6	17.5	17.3	17.1	16.8	16.8	16.6	16.6	16.5	20.7	0	15.9	8	4.8	17.3
13.9	14.0	13.8	13.7	13.5	13.4	13.5	13.5	14.4	16.5	0	10.8	11	5.7	13.9
18.5	17.8	17.2	16.7	16.0	15.8	15.8	15.9	16.0	19.3	14	14.4	0	4.9	16.4
19.7	19.4	18.8	18.2	17.6	17.7	17.7	17.3	17.4	20.7	14	16.0	0	4.7	17.8
20.7	20.3	19.8	19.5	19.0	19.0	18.7	18.8	18.9	21.4	14	17.4	0	4.0	19.0
26.1	24.9	23.4	22.6	22.2	21.5	21.1	20.9	20.4	26.7	15	18.9	0,2	7.8	22.1
26.3	24.3	22.6	21.1	19.7	18.0	17.0	15.9	14.7	27.8	14	14.7	24	13.1	21.2
16.0	14.7	14.6	14.4	14.2	14.1	14.1	14.0	13.9	16.2	15	13.5	9	2.7	14.4
14.7	14.6	14.4	14.1	13.7	13.7	13.8	13.6	13.2	15.1	14	12.5	8	2.6	13.8
15.3	15.1	14.8	14.5	14.0	13.8	13.6	13.6	13.5	15.8	14	11.7	8	4.1	13.6
16.6	16.0	15.1	14.8	14.3	13.6	13.2	12.8	13.4	16.9	14,15	12.5	8	4.4	14.2
16.2	15.1	13.5	10.2	8.9	8.1	7.3	7.0	6.2	16.5	13,14	6.2	24	10.3	11.9
17.1	14.9	12.7	11.9	10.6	10.2	10.3	10.5	10.6	18.3	13	5.1	4	13.2	11.2
14.2	13.8	12.6	11.1	10.0	9.8	9.9	9.7	9.8	14.8	14	9.7	6,23	5.1	11.5
18.9	17.5	14.6	13.7	13.9	13.9	13.9	13.9	14.0	18.9	6	9.3	7	9.6	13.6
19.9	18.4	17.3	16.9	16.6	16.2	15.5	14.9	14.7	21.1	14	10.9	7	10.2	15.9
18.7	18.1	17.8	17.5	16.9	16.8	16.5	16.2	16.1	19.1	14	14.2	5	4.9	16.5
16.6	14.0	11.4	8.1	7.4	6.6	5.9	5.9	6.0	17.6	14	5.9	22,23	11.7	12.6
16.1	15.0	14.0	14.1	13.9	13.9	13.7	13.6	13.5	16.2	14,15	6.0	0	10.2	11.8
11.5	11.4	10.7	10.7	8.9	9.0	9.0	8.4	7.6	13.5	0	7.6	24	5.9	10.6
11.9	11.7	11.1	10.8	10.5	10.3	9.8	9.8	9.8	12.3	14	2.6	8	9.7	8.0
15.5	13.2	11.2	10.1	9.6	9.6	8.1	7.9	7.0	16.2	14	7.0	24	9.2	11.2
14.6	14.0	10.7	8.3	7.5	7.0	6.4	6.2	5.6	15.2	14	4.9	3	10.3	9.1
13.5	12.4	11.2	10.6	10.0	10.0	8.7	8.7	8.7	14.2	13-14	4.1	6	10.1	9.0
13.7	12.3	11.0	10.1	9.9	9.9	10.0	9.6	9.4	14.6	14	7.5	5-6	7.1	10.4
18.6	17.5	16.1	15.1	14.5	14.3	14.0	13.8	13.7	19.5		11.2		8.3	15.0

HUMEDAD RELATIVA en %

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	98	97	96	95	94	93	92	80	55	40	29	34	34	35	40
2	87	89	92	95	95	96	96	91	84	80	70	70	68	69	66
3	77	90	92	93	93	91	87	88	79	74	70	64	60	58	61
4	92	92	95	95	89	92	94	84	74	62	53	47	43	41	39
5	76	82	83	86	86	85	89	81	71	62	57	51	47	44	44
6	84	84	85	87	87	87	87	80	80	73	82	84	72	56	48
7	96	97	98	98	99	98	98	98	98	98	96	94	94	92	92
8	85	84	86	85	86	83	82	84	86	88	90	93	95	97	96
9	96	95	96	96	96	96	95	95	83	80	75	76	77	77	81
10	90	93	95	95	95	96	97	98	91	86	80	81	82	78	79
11	94	92	91	91	95	96	96	96	90	96	96	93	92	87	87
12	92	93	92	93	93	93	91	88	83	78	75	66	64	63	63
13	84	82	87	88	89	89	89	84	75	70	67	63	65	63	66
14	86	88	90	80	79	87	87	86	86	80	71	66	68	71	70
15	95	95	96	96	97	97	98	98	98	99	99	96	94	93	97
16	95	95	94	94	94	94	94	95	90	86	79	73	75	78	78
17	100	100	100	100	100	99	98	93	99	85	79	73	68	67	63
18	98	95	94	94	88	90	92	92	88	82	65	52	52	56	50
19	97	96	95	94	92	91	89	84	70	60	52	50	46	43	47
20	86	83	79	81	84	81	82	82	78	73	69	64	68	70	75
21	94	94	93	94	94	95	94	89	83	86	64	56	52	50	51
22	82	84	85	87	90	93	96	86	79	72	64	60	57	57	57
23	77	78	78	80	83	86	87	86	83	80	77	75	77	81	78
24	98	98	98	99	99	99	89	75	66	60	51	49	43	39	35
25	89	85	83	82	84	82	77	77	66	61	57	55	54	52	52
26	97	97	98	98	91	66	54	53	52	49	54	55	58	62	65
27	93	96	96	96	96	95	95	95	96	86	80	77	78	76	75
28	85	90	92	93	92	92	92	92	83	70	64	59	52	50	50
29	97	99	99	99	94	90	88	80	72	64	61	59	55	53	52
30	95	94	94	93	93	93	93	92	86	73	65	61	63	69	69
31	89	90	91	93	93	93	91	88	81	71	62	60	58	57	61
Prom.	90	91	92	92	92	91	90	87	81	75	69	66	65	64	64

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	6.8	6.6	6.6	6.4	6.4	6.6	6.6	8.1	6.8	5.8	5.0	6.0	6.6	7.2	7.8
2	12.0	11.5	12.0	11.5	11.5	12.0	12.0	12.4	13.0	14.0	14.5	16.0	17.5	18.4	17.0
3	13.0	14.5	14.5	14.0	13.5	13.5	13.5	13.8	13.0	14.0	13.0	13.0	14.0	14.5	14.5
4	14.5	14.0	13.5	13.5	13.0	13.5	13.5	12.8	12.0	11.5	12.0	11.0	11.0	11.2	10.0
5	12.0	12.0	12.0	12.5	12.5	13.5	12.0	11.8	12.5	13.0	13.5	13.5	12.5	12.2	11.5
6	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.7	13.5	12.5	14.0	14.0	14.5	15.5	13.5
7	17.5	16.5	15.0	14.5	14.5	14.5	14.0	13.1	13.0	13.0	13.5	13.0	13.0	14.0	13.5
8	11.5	11.0	11.5	10.5	11.5	10.5	10.0	10.2	9.0	9.0	8.0	9.0	10.0	10.6	11.0
9	12.0	11.5	12.0	12.0	12.0	12.0	12.0	12.4	11.0	10.5	10.0	12.0	12.5	12.8	13.0
10	11.5	12.5	12.5	12.5	12.5	13.5	13.5	13.5	13.5	13.0	12.0	13.5	14.5	14.2	13.5
11	13.5	13.5	13.5	13.5	14.0	14.5	14.5	14.6	15.0	15.5	16.0	16.0	16.5	16.5	15.0
12	15.0	15.5	15.0	15.0	15.0	15.0	15.0	15.0	15.5	15.5	16.0	16.5	16.0	16.5	16.0
13	15.0	14.5	14.5	14.5	14.0	14.0	13.5	13.7	13.0	13.5	15.0	16.0	16.5	17.3	18.5
14	10.5	10.0	10.0	9.0	9.0	10.0	10.0	9.8	10.0	9.0	9.0	8.5	8.5	9.6	9.0
15	10.5	10.5	11.5	11.0	11.0	11.0	11.0	10.6	10.5	10.5	11.0	11.0	12.0	11.9	12.0
16	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.0	9.0	8.5	9.0	9.5	10.5	10.0
17	11.0	11.0	11.0	11.0	11.0	11.0	11.0	10.1	10.5	11.0	9.5	9.0	9.0	9.7	8.5
18	10.0	9.5	9.0	9.0	8.5	8.5	9.0	8.8	8.0	8.0	7.6	6.8	7.2	7.9	6.6
19	6.8	6.4	6.2	6.0	6.2	6.2	6.0	6.8	6.8	7.0	7.2	7.0	7.4	6.7	7.2
20	8.0	7.8	7.4	7.8	7.6	7.4	7.4	7.6	7.2	7.0	7.6	8.0	8.0	8.8	8.5
21	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.5	10.5	8.5	8.5	8.0	8.1	8.0
22	9.5	9.5	9.0	8.5	9.0	9.0	9.0	9.1	8.5	9.5	11.0	10.5	10.5	10.6	10.5
23	9.5	9.5	9.5	9.5	10.0	10.5	10.5	10.8	10.0	11.0	11.0	11.5	12.5	13.3	12.5
24	12.5	12.0	11.5	11.5	11.5	11.5	10.0	8.3	7.2	7.0	6.4	6.2	5.8	5.8	4.8
25	6.2	6.0	5.8	6.0	6.0	6.2	5.8	6.2	6.4	7.0	7.0	6.8	6.8	7.2	8.5
26	11.0	11.0	11.0	11.0	9.5	6.6	4.6	4.3	4.2	3.2	4.8	5.2	5.8	6.5	6.2
27	6.4	6.2	6.0	5.6	5.6	5.2	5.2	5.2	6.0	5.8	6.2	7.2	7.8	8.1	7.6
28	7.4	7.8	8.0	8.0	8.0	8.0	7.8	7.8	8.5	7.2	6.6	7.4	7.0	6.9	6.4
29	6.6	6.4	6.2	6.0	6.0	6.0	6.2	6.3	6.2	6.2	7.0	6.6	6.4	7.0	6.6
30	6.0	5.8	5.8	5.8	5.8	5.6	5.6	5.9	6.6	6.6	6.6	7.4	7.4	8.2	7.8
31	7.2	7.0	7.4	7.2	7.2	7.2	7.2	7.0	7.0	7.2	7.0	6.6	6.8	7.1	7.6
Prom.	10.5	10.4	10.3	10.1	10.1	10.1	9.9	9.9	9.7	9.8	9.8	10.1	10.4	10.8	10.4

16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
45	54	66	71	70	68	69	77	84	99	0	29	11	70	67
64	69	81	84	85	77	74	78	77	96	6,7	64	16	32	81
67	73	81	88	88	88	89	91	91	93	4,5	57	14-15	36	80
39	48	60	73	78	80	74	72	73	95	3,4	39	15,16	56	70
46	56	70	82	86	87	77	79	81	89	7	43	14-15	46	72
51	65	85	92	94	92	98	98	94	99	22-23	48	15	51	81
92	94	97	98	98	97	92	91	85	99	5	85	24	14	95
95	94	95	96	98	100	99	99	99	100	21	82	7	18	92
83	87	88	91	91	91	90	90	90	99	0	75	11	24	88
82	84	92	94	94	94	93	93	93	98	8	78	14	20	90
87	89	92	93	92	92	92	89	90	96	varios	87	14,15,16	9	92
68	78	82	81	79	80	81	81	83	93	varios	63	14,15	30	81
75	85	80	72	75	79	80	72	83	89	5,6,7	63	12,14	26	78
77	84	90	95	94	91	88	89	95	95	19,24	66	12	29	83
96	96	96	95	95	96	96	96	96	99	10,11	93	14	6	96
80	83	87	90	95	99	100	100	100	100	22,23,24	73	12	27	90
66	71	78	78	80	89	90	95	96	100	varios	63	15	37	86
54	62	79	87	92	99	100	100	98	100	22,23	50	15	50	82
55	62	78	82	86	86	82	80	81	98	0	43	14	55	75
74	82	90	94	95	97	96	96	94	97	21	64	12	33	82
56	73	84	79	79	83	86	77	77	95	6	50	14	45	78
62	70	76	79	75	75	73	75	76	96	7	57	13,14,15	39	75
82	92	95	96	96	96	97	97	97	97	22,23,24	74	12-13	23	86
42	63	76	84	85	85	92	92	92	99	4,5,6	35	15	64	75
51	64	70	71	80	88	93	95	96	96	24	50	15-16	46	74
66	66	70	77	79	81	84	88	92	98	3,4	49	10	49	73
77	75	82	82	81	83	85	88	87	96	varios	75	15,17	21	86
55	66	75	78	79	80	86	89	92	93	4	50	14,15	43	77
52	65	81	88	89	92	95	96	96	99	2,3,4	52	15,16	47	80
68	78	86	87	87	90	92	90	86	96	0	61	12	35	83
68	79	85	90	84	82	82	82	83	93	4,5,6	57	14	36	80
67	74	82	85	86	88	88	88	89	96		60		36	82

16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
8.5	9.5	10.5	10.5	10.5	10.0	10.0	11.0	11.5	11.5	24	5.0	11	6.5	8.0
16.0	16.0	16.5	15.0	14.7	13.5	12.0	12.0	12.0	18.4	14	11.5	2,4,5	6.9	13.9
14.5	14.0	14.0	14.5	14.0	13.5	13.5	14.0	14.5	14.5	varios	13.0	varios	1.5	13.9
10.0	11.5	11.0	12.5	12.8	12.0	12.0	11.5	11.5	14.5	1	10.0	15,16	4.5	12.2
12.0	13.0	13.0	14.0	13.9	13.5	12.5	12.0	12.0	14.0	19	11.5	15	2.5	12.6
14.5	15.0	16.5	15.5	17.9	17.5	17.5	17.5	16.5	17.9	20	12.5	10	5.4	14.6
13.5	13.5	14.0	14.0	13.9	13.5	13.0	13.0	12.5	17.5	1	12.5	24	5.0	13.9
10.5	11.0	10.5	11.0	11.2	11.0	11.0	11.0	11.5	11.5	varios	8.0	11	3.5	10.5
13.0	13.0	12.5	13.0	12.4	12.0	11.5	11.5	11.5	13.0	varios	10.0	11	3.0	12.0
14.0	13.5	14.5	14.0	14.2	13.5	13.5	13.5	13.5	14.5	13,18	11.5	1	3.0	13.4
15.5	15.5	15.5	15.5	15.1	15.0	14.5	14.0	14.0	16.5	13,14	13.5	varios	3.0	14.9
17.0	18.0	17.5	16.5	15.8	14.5	15.5	15.0	14.5	18.0	17	14.5	21,24	3.5	15.7
18.5	18.5	15.5	13.5	12.8	12.0	11.0	9.5	10.0	18.5	15,16,17	9.5	23	9.0	14.4
10.5	10.0	10.5	11.0	11.4	11.0	10.5	10.0	10.5	11.4	20	8.5	12,13	2.9	9.9
12.0	12.0	12.0	11.0	11.1	11.0	11.0	11.0	11.0	12.0	varios	10.5	varios	1.5	11.2
10.0	11.0	11.0	10.5	11.3	11.0	11.0	11.0	11.0	11.3	20	8.5	11	2.8	10.1
9.5	9.5	9.5	9.5	9.7	10.0	10.0	10.0	11.0	11.0	varios	8.5	15	2.5	10.1
7.2	8.0	8.5	8.0	7.8	7.8	7.4	7.2	6.8	10.0	1	6.6	15	3.4	8.0
7.6	7.8	8.0	8.0	8.3	8.0	7.6	7.2	7.8	8.3	20	6.0	4,7	2.3	7.1
8.5	9.5	9.5	9.0	8.7	8.0	8.5	8.5	8.0	9.5	17,18	7.0	10	2.5	8.1
9.0	10.5	10.0	9.0	9.3	9.5	10.0	9.0	9.0	10.5	10,17	8.0	varios	2.5	8.7
10.0	10.5	11.0	10.5	10.6	10.0	9.5	9.0	9.5	11.0	11,18	8.5	4,9	2.5	9.8
13.0	14.0	13.5	14.0	13.7	13.5	13.5	13.0	13.0	14.0	17,19	9.5	varios	4.5	11.8
6.0	7.4	7.6	6.6	6.6	6.0	6.2	6.2	6.4	12.5	1	4.8	15	7.7	8.0
9.0	8.5	8.0	9.0	9.4	9.5	9.5	10.0	10.5	10.5	24	5.8	3,7	4.7	7.6
6.8	6.8	6.4	7.2	6.7	7.0	7.0	6.4	7.2	11.0	varios	3.2	10	7.8	6.9
7.8	7.4	8.0	7.8	7.7	7.6	7.4	7.8	7.8	8.1	14	5.2	6,7,8	2.9	6.8
6.8	7.6	7.2	7.2	7.0	6.8	7.0	6.8	7.0	8.5	9	6.4	15	2.1	7.3
6.8	7.0	7.8	7.0	7.0	6.8	6.6	6.8	6.6	7.8	18	6.0	5,6,7	1.8	6.6
7.8	8.0	8.5	8.0	8.0	7.8	7.8	7.2	7.4	8.5	18	5.6	6,7	2.9	7.0
7.8	8.0	8.0	8.0	7.7	7.4	7.6	7.4	7.2	8.0	17,18,19	6.6	12	1.4	7.3
10.8	11.1	11.2	11.0	11.0	10.6	10.5	10.3	10.4	12.4		8.7		3.7	10.4

VIENTO: DIRECCIÓN Y VELOCIDAD: PREVALENCIAS

HORAS / DÍAS	0 – 1		1 – 2		2 – 3		3 – 4		4 – 5		5 – 6		6 – 7		7 – 8		8 – 9		9 – 10		10 – 11		11 – 12		12 – 13		13 – 14		14 – 15	
	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.
1	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	N	4	N	8	NE	13	NE	18	N	20	N	16	N	16	N	20	N	21
2	N	11	N	14	N	11	N	6	N	7	N	8	N	9	N	16	N	14	N	23	N	23	N	23	N	20	N	24	N	21
3	S	10	S	3	NE	3	Calma	1	NE	2	S	4	E	6	E	6	E	9	E	14	E	11	NE	9	NE	12	NE	13	NE	11
4	E	9	NE	9	NE	6	NE	6	E	5	E	6	NE	5	NE	7	N	12	N	16	N	19	N	24	N	21	N	19	N	18
5	N	12	N	11	N	10	N	8	N	9	N	10	N	7	N	10	N	13	N	16	N	18	N	20	N	23	N	20	N	18
6	N	9	N	12	N	10	N	9	N	10	N	9	N	9	N	12	N	13	N	11	N	8	S	4	E	4	NE	14	N	22
7	S	4	S		S	5	S	6	S	4	S	6	S	4	S	6	SE	6	SE	3	SE	6	E	4	SE	3	Calma	1	Calma	1
8	SE	7	SE	8	SE	6	SE	8	E	7	SE	12	E	14	SE	11	SE	20	SE	14	E	15	E	18	E	20	E	19	NE	23
9	NE	29	E	14	NE	6	E	3	E	4	NE	6	NE	3	NE	3	E	3	E	9	NE	13	E	10	NE	9	NE	10	E	9
10	E	6	NE	4	NE	3	NE	2	E	5	E	4	E	5	E	8	NE	11	NE	17	NE	14	NE	13	NE	9	NE	8	NE	9
11	NE	9	NE	9	NE	7	NE	11	NE	10	NE	7	NE	11	NE	11	NE	7	NE	9	NE	10	NE	11	NE	20	NE	19	NE	21
12	N	15	N	12	N	12	N	13	N	11	N	13	N	11	N	11	NW	14	NW	16	NW	17	NW	20	NW	19	NW	16	NW	11
13	NE	12	N	15	N	14	N	13	N	11	N	12	N	12	N	15	NW	17	NW	20	NW	18	W	13	W	10	W	8	SW	4
14	SE	12	SE	11	SE	9	SE	13	SE	12	SE	12	SE	11	SE	12	SE	11	SE	14	E	15	E	16	E	21	E	19	E	20
15	E	8	E	10	E	12	E	8	Calma	1	S	7	S	5	S	4	S	5	S	3	S	7	S	8	S	6	S	5	S	10
16	SE	2	Calma	1	Calma	1	Calma	0	Calma	0	Calma	1	Calma	0	Calma	0	SE	2	E	2	E	3	NE	8	NE	13	NE	15	NE	10
17	Calma	1	SW	3	SW	5	SW	3	SW	5	SW	6	SW	7	SW	6	S	7	S	8	S	7	S	6	S	5	S	5	S	3
18	Calma	0	SW	2	S	3	SE	2	SE	3	S	3	S	2	Calma	0	S	2	SW	6	SW	5	SW	5	SW	6	SW	6	SW	7
19	Calma	1	Calma	1	Calma	0	W	3	Calma	1	Calma	1	NW	2	NW	2	NW	7	NW	8	NW	12	NW	12	NW	11	NW	14	NW	14
20	N	14	N	15	N	13	N	13	N	10	N	6	N	12	N	10	NW	15	NW	16	NW	18	NW	18	NW	18	NW	15	NW	13
21	NW	8	NW	10	NW	4	NW	4	NW	5	NW	5	NW	4	NE	7	NE	14	NE	14	N	13	N	14	NW	14	NW	14	NW	11
22	NE	8	NE	10	NE	8	NE	8	NE	9	NE	8	NE	9	NE	10	NE	14	NE	12	NE	16	NE	18	NE	19	NE	18	NE	19
23	NE	2	NE	19	NE	17	NE	16	NE	16	NE	18	NE	18	NE	14	N	23	N	19	N	19	NW	22	NW	14	NW	7	NW	6
24	S	3	W	5	W	3	W	4	SW	2	SW	7	SW	10	SW	7	SE	4	SE	3	S	6	S	6	S	5	S	4	SW	5
25	Calma	0	Calma	0	Calma	0	SW	2	Calma	0	Calma	1	SE	3	Calma	1	E	4	E	7	NE	13	NE	20	NE	21	NE	20	NE	19
26	NW	3	W	5	SW	6	SW	7	SW	10	SW	12	SW	16	SW	15	SW	18	SW	19	SW	18	SW	19	SW	20	SW	21	SW	13
27	S	2	SW	3	SW	4	SW	3	SW	3	Calma	1	Calma	0	Calma	0	S	2	SE	4	E	7	E	11	NE	14	NE	13	NE	12
28	E	6	NW	2	Calma	1	NW	2	Calma	1	NW	5	NW	5	NW	7	NW	13	W	17	SW	11	SW	9	SW	13	SW	11	SW	13
29	W	3	W	6	W	4	W	4	SW	4	SW	5	SW	3	SW	4	SW	6	SW	7	SW	8	SW	8	SW	10	SW	12	SW	11
30	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	Calma	0	SE	2	SE	3	E	6	E	12	E	12	E	14	E	13
31	NE	6	NE	7	NE	7	NE	8	NE	8	NE	9	NE	11	NE	11	NE	15	N	19	N	18	N	22	N	21	N	20	N	16
DIRECCIÓN PREVALENTE	Calma NE		E-NE		NE		E-NE		Calma		N Calma		N		E-NE		NE-SE		E-SE		N		N-E NE		NE		NE		NE	
NÚMERO DE HORAS	6		6		8		6		7		6		7		7		6		6		8		6		8		9		8	
PROM. HOR. DE LA VELOCIDAD		8		7		6		6		6		7		7		8		10		12		13		14		14		14		13

15 – 16		16 – 17		17 – 18		18 – 19		19 – 20		20 – 21		21 – 22		22 – 23		23 – 24		PREVALENCIA DIARIA		PROMEDIO DIARIO DE VELOCIDAD	VELOCIDAD INSTANTÁNEA		
DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIRECCIÓN	NÚMERO DE HORAS		VELOCIDAD	DIRECCIÓN	HORA
N	18	N	11	NE	8	NE	8	NE	9	NE	11	NE	14	NE	13	NE	13	N NE	9	10	37	N	12.04
N	16	N	9	N	5	N	4	N	6	N	9	N	11	N	7	N	11	N	24	13	32	N	10.53
NE	6	NE	6	NE	5	NE	4	NE	5	NE	5	E	6	E	9	E	9	NE	12	7	20	N	13.00
N	16	N	10	Calma	1	N	6	N	7	N	7	N	9	N	11	N	10	N	15	11	33	N	12.12
N	17	N	10	N	3	N	2	N	3	N	6	N	12	N	10	N	9	N	24	12	32	NW	12.33
N	28	N	14	N	12	NE	7	NE	6	SE	8	S	9	NW	7	NW	9	N	15	11	43	NW	15.20
Calma	0	SE	2	Calma	1	SE	5	SE	6	SE	6	SE	7	SE	9	E	11	SE	10	4	15	S	2.40
E	17	E	18	SE	14	E	18	E	18	SE	8	SE	11	NE	22	NE	27	SE	11	15	42	SW	17.55
NE	9	E	7	E	8	E	7	E	11	E	15	NE	16	E	11	E	10	E	14	9	51	NE	1.01
NE	11	NE	9	NE	9	NE	8	E	11	E	9	NE	10	NE	9	NE	9	NE	17	8	18	NE	9.13
NE	21	NE	18	NE	13	NE	11	NE	14	NE	13	NE	12	NE	12	N	17	NE	23	13	28	NE	13.08
N	10	NE	7	NE	8	NE	11	NE	14	NE	16	NE	16	NE	16	NE	12	N	9	13	29	NW	11.32
SW	5	S	4	S	8	SE	12	SE	15	SE	14	SE	15	SE	14	SE	12	N	7	12	34	SE	19.52
E	15	SE	12	SE	11	SE	10	SE	7	E	16	E	17	E	16	E	13	SE	14	14	34	E	14.16
S	10	S	6	S	8	S	5	S	3	SE	4	SE	3	S	2	SE	3	S	16	6	22	S	5.40
NE	4	NE	2	Calma	0	Calma	1	SW	2	SW	5	SW	7	SW	4	Calma	1	Calma	10	4	17	NE	13.28
SW	2	SW	4	SW	6	SW	7	SW	5	Calma	0	SW	2	Calma	0	Calma	0	SW	13	4	19	SW	9.32
SW	5	SW	2	Calma	1	Calma	1	SW	3	Calma	0	Calma	1	SW	2	Calma	0	SW	11	3	16	SW	14.56
NW	11	NW	9	N	9	N	8	N	5	N	5	N	8	N	10	N	13	NW	11	7	22	NW	14.36
NW	9	NW	10	N	5	N	5	N	6	NW	7	NW	7	NW	6	NW	7	NW	13	11	30	NW	12.28
NW	5	NW	3	Calma	0	NE	7	NE	10	NE	11	NE	12	NE	11	NE	11	NW	12	9	25	NW	13.20
NE	15	NE	11	NE	11	NE	14	NE	15	NE	16	NE	17	NE	17	NE	19	N	24	13	28	N	12.21
NW	3	NW	6	NE	3	Calma	1	SW	2	Calma	1	SW	6	SW	3	SW	3	NE	9	12	29	NW	11.54
SW	7	SW	2	Calma	0	Calma	0	Calma	1	SW	2	SW	2	Calma	0	Calma	1	SW	9	4	23	SW	6.54
NE	14	NE	8	NE	2	NE	4	NE	9	NE	8	NE	7	NW	6	NW	4	NE	12	7	29	NE	12.59
SW	11	SW	10	SW	10	SW	7	SW	8	SW	10	SW	7	SW	6	S	3	SW	21	11	46	W	11.56
NE	6	NE	5	NE	2	NE	6	NE	10	NW	4	NW	5	Calma	1	E	5	NE	8	5	20	SE	12.06
SW	10	SW	9	W	7	W	8	SW	8	SW	9	SW	8	SW	8	SW	5	SW	12	8	25	SW	14.02
SW	9	SW	5	Calma	0	Calma	1	Calma	1	Calma	0	Calma	0	Calma	0	Calma	0	SW	13	5	23	W	13.50
E	11	E	8	E	5	E	7	E	7	E	7	E	5	E	9	E	8	E	14	5	20	NE	13.40
NE	10	NE	8	NE	8	NE	8	NE	13	NE	13	NE	13	NE	14	NE	14	NE	18	12	30	NE	10.29

																		PREVALENCIA MENSUAL		VELOCIDAD MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
NE		NE		NE		NE		NE		NE		NE		NE		NE		Dirección	Horas		36 Km.		
9		9		10		11		10		8		9		8		7		NE	177	9	DIRECCIÓN	DÍA	HORA
	11		8		6		6		8		8		9		8		9				N	1	de 14.20 a 14.25

FRECUENCIAS, KILÓMETROS RECORRIDOS Y VELOCIDAD MEDIA POR DIRECCIÓN

DÍAS	NORTE		NORESTE		ESTE		SUDESTE		SUD		SUDOESTE		OESTE		NOROESTE		Calma	TOTALES DIARIOS DE KILÓMETROS
	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	
1	9	134	9	107													6	242
2	24	308																308
3			12	81	8	70			3	17							1	169
4	15	205	5	33	3	20											1	259
5	24	277																277
6	15	188	3	27	1	4	1	8	2	13					2	16		256
7					2	15	10	53	8	38							4	109
8			3	72	10	164	11	119										355
9			10	104	14	121												225
10			17	155	7	48												203
11	1	17	23	286														303
12	9	108	8	100											7	113		321
13	7	92	1	12			6	82	2	12	2	9	3	31	3	55		293
14					10	168	14	157										325
15					4	38	3	10	16	94							1	143
16			6	52	2	5	2	4			4	18					10	84
17									7	41	13	61					4	103
18							2	5	4	10	11	49					7	67
19	7	58											1	3	11	102	5	167
20	11	109													13	159		268
21	2	27	9	97											12	87	1	211
22			24	321														321
23	3	61	9	142							4	14			6	58	2	277
24							2	7	5	24	9	44	3	12			5	89
25			12	145	2	11	1	3			1	2			2	10	6	173
26									1	3	21	263	1	5	1	3		274
27			8	68	3	23	1	4	2	4	4	13			2	9	4	123
28					1	6					12	114	3	32	6	34	2	188
29											13	92	4	17			7	111
30					14	124	2	5									8	130
31	6	116	18	183														299
SUMAS	133	1700	177	1985	81	817	55	457	50	256	94	679	15	100	65	646	74	6673
% PREVAL POR VELOCIDAD	25.5		30.0		12.2		6.8		3.8		10.2		1.5		9.7		0.5	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	13		11		10		8		5		7		7		10		0	215

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	5	6	4	3	4		1	2	6
1 - 2	6	6	2	2	2	3	3	2	5
2 - 3	6	8	1	2	2	3	2	1	6
3 - 4	6	6	2	3	1	4	3	2	4
4 - 5	6	5	4	2	1	5		1	7
5 - 6	6	5	2	2	4	4		2	6
6 - 7	7	6	3	2	3	4		3	3
7 - 8	7	7	2	2	2	4		2	5
8 - 9	5	6	3	6	4	2		5	
9 - 10	6	5	4	6	2	3	1	4	
10 - 11	8	5	6	1	3	4		4	
11 - 12	6	6	6		4	4	1	4	
12 - 13	5	8	4	1	3	4	1	5	
13 - 14	5	9	3		3	4	1	5	1
14 - 15	6	8	3		2	6		5	1
15 - 16	6	9	3		1	7		4	1
16 - 17	5	9	3	2	2	6		4	
17 - 18	5	10	2	2	2	2	1		7
18 - 19	5	11	3	3	1	2	1		5
19 - 20	5	10	4	3	1	6			2
20 - 21	4	8	4	5		4		2	4
21 - 22	4	9	3	4	1	6		2	2
22 - 23	4	8	4	2	1	5		3	4
23 - 24	5	7	6	2	1	2		3	5
SUMAS	133	177	81	55	50	94	15	65	74
% de frec. por dirección	17.9	23.8	10.9	7.4	6.7	12.6	2.0	8.7	10.0

NUBES. VISIBILIDAD

DÍAS	NUBES 8h CLASE	8h 0-8	NUBES 12h CLASE	12h 0-8	NUBES 14h CLASE	14h 0-8	NUBES 18h CLASE	18h 0-8	NUBES 20h CLASE	20h 0-8	VISIBILIDAD 8h	14h	20h
											90 - 99		
1	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	97	98	99
2	Ac	5	Ac	3	Cu 1 Cc 5	6	As	8	Cb 1 Cs 1	2	7	7	7
3	As	8	As	8	Cu 1 Cc 7	8	Ac	4	Claro	0	2	7	8
4	Ac	2	Ac	1	Claro	0	Claro	0	Claro	0	6	7	8
5	Claro	0	Claro	0	Claro	0	Ci 1 Cu 1	2	Claro	0	6	8	6
6	Ac	5	Sc	8	Cu	7	Cu	3	As	8	7	6	5
7	St	8	Niebla	8	Niebla	8	Niebla	8	Niebla	8	3	1	1
8	Ns	8	Ns	8	Ns	8	Ac	8	Ns	8	3	5	4
9	Cu	7	Cu	8	Cu	4	Ac	7	Ac	7	6	8	7
10	As	8	St	8	Ac	7	Ci 3 Ac 4	7	Ac	3	3	8	7
11	Ns	8	St	8	Sc	7	Sc 2 Ac 4 Ci 1	7	Claro	0	3	6	7
12	Cs	8	Cs	7	Cs	8	Cs	8	Cs	4	6	6	8
13	Claro	0	Claro	0	Cu	1	Sc	8	St	8	6	6	8
14	Ac	8	Ac	8	Sc	5	Sc	8	St Frs	8	7	6	5
15	Ns	8	St Frs	8	Sc	8	Ns	8	Frs	8	5	4	4
16	Sc	8	Cu 2 Sc 1	3	Sc	8	Sc	8	Ns	8	5	8	6
17	Frs	8	Cu	2	Cu	2	Cs 2 Cu 1	3	Ac	8	7	8	8
18	Cb 1 Ac 6	7	Cu	1	Cu	3	Cu	1	Claro	0	6	8	9
19	Claro	0	Claro	0	Ci	1	Ci	2	Ac	6	8	8	7
20	Ac Ac	8	As	8	Sc	8	Sc	8	Claro	0	7	8	8
21	Claro	0	Ci	7	Ci	6	Cs	7	Cs	8	8	8	7
22	Claro	0	Claro	0	Cs	8	Cs	8	Cs	3	8	8	7
23	Sc	8	Sc	8	Sc	8	St	8	St	8	7	7	6
24	Sc	7	Ci	3	Ac	2	Cc	2	Claro	0	7	8	8
25	Sc	7	Ac	6	Ac	1	Ac	4	St	8	6	9	8
26	Claro	0	Claro	0	Sc	8	Sc	8	Ac	2	8	9	9
27	Cs	8	As	8	Sc	8	Sc	8	Ci	7	4	7	8
28	Claro	0	Claro	0	Ci	2	Ci	5	Claro	0	8	8	8
29	Ac	2	Ac	6	Ci	1	Ci	3	Claro	0	6	6	9
30	Ci	4	Cs 6 Cu 2	8	Cu 3 Ci 1	4	Ci	2	Claro	0	3	8	7
31	Ci	6	Cs	8	Cs	8	As	8	Claro	0	6	7	7
Prom.		5		5		5		6		4			

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9	34.6	21.9	1.03	0	5	5	
	10	39.0	22.5	1.34	0	5	5	
1	12	42.2	25.8	1.33	0	5	5	
	14	40.5	26.5	1.14	0	5	5	
	15	39.5	26.0	1.10	0	5	5	
	9	38.6	23.5	1.23	3	5	5	
	10	30.5	23.2	0.59	6	0	5	
2	12	36.6	27.0	0.78	3	0	5	
	14	45.0	30.3	1.20	6	4	4	
	15	35.2	27.9	0.59	7	1	5	
	9	27.0	21.5	0.45	8	0	5	B.
	10	35.9	24.9	0.88	8	0	4	B.
3	12	36.6	26.1	0.85	8	4	4	B.
	14	44.6	29.7	1.21	8	4	5	
	15	29.5	24.5	0.41	7	0	5	
	9	31.0	22.9	0.66	2	3	5	
	10	33.0	24.5	0.69	2	3	5	
4	12	46.7	30.8	1.29	1	5	5	
	14	45.6	30.8	1.20	0	5	5	
	15	42.9	30.1	1.04	0	5	5	
	9	38.6	23.0	1.27	0	5	5	
	10	43.0	27.3	1.28	0	5	5	
5	12	47.2	31.0	1.32	4	5	5	
	14	43.0	30.8	0.99	0	5	5	
	15	39.4	29.0	0.84	2	5	5	
	9				8	0	3	Ne.,Am.
	10				8	0	3	LL.
6	12				8	0	3	LL.
	14	40.0	29.8	0.83	7	1	5	
	15	37.5	29.0	0.69	5	4	4	B.
	9				8	0	3	N.,Am.
	10				8	0	4	N.,Am.
7	12				8	0	3	N.,Am.
	14				8	0	3	N.,Am.
	15				8	0	3	N.,Am.
	9				8	0	3	LL.
	10				8	0	3	LL.
8	12				8	0	4	LL.
	14				8	0	4	Am.
	15				8	0	4	Am.
	9				8	0	4	Am.
	10	21.6	17.5	0.33	8	0	4	
9	12	37.8	23.3	1.18	7	5	4	
	14	38.9	23.3	1.27	4	5	5	
	15	26.2	20.2	0.49	7	3	5	
	9				7	3	4	Am.
	10	26.4	20.4	0.49	7	3	4	
10	12	31.0	22.1	0.72	5	4	5	
	14	31.8	22.8	0.73	7	5	5	
	15	24.4	20.4	0.32	7	1	5	
	9				8	0	3	Ne.,Am.
	10				8	0	3	Ne.,Am.
11	12				8	0	3	Ne.,Am.
	14	36.6	23.1	1.10	7	5	4	
	15	30.0	22.5	0.61	8	2	4	
	9	34.2	23.6	0.86	8	2	4	Ne.
	10	32.0	23.6	0.68	8	2	4	Ne.
12	12	44.2	29.2	1.22	7	4	5	
	14	36.1	27.6	0.69	8	2	4	
	15	38.2	28.2	0.81	8	4	4	Ne.
	9	39.5	25.0	1.18	0	5	5	
	10	42.0	26.6	1.25	0	5	5	
13	12	48.6	30.7	1.46	3	5	5	
	14	46.4	30.6	1.28	1	5	4	B.
	15	42.7	28.4	1.16	2	3	4	B.
	9	16.8	13.6	0.26	8	1	4	Ne.
	10	22.0	16.5	0.45	8	0	4	Ne.
14	12	20.6	15.8	0.39	8	0	4	
	14	21.4	16.5	0.40	5	0	4	
	15	16.9	15.5	0.11	8	0	4	
	9				8	0	3	Ne.,Z.
	10				8	0	2	Ne.,Z.
15	12				8	0	3	Z.
	14				8	0	2	N.,Z.
	15				8	0	3	Ne.,Z.
	9				8	0	2	Am.
	10				8	0	3	Am.
16	12	23.6	17.0	0.54	7	0	5	
	14	21.7	16.4	0.43	8	0	5	
	15	16.1	14.6	0.12	8	0	5	
	9	20.5	13.0	0.61	7	1	4	Ne.
	10	26.5	15.7	0.88	6	2	4	
17	12	37.6	20.0	1.43	1	5	4	
	14	37.5	20.5	1.38	2	5	5	
	15	35.5	19.6	1.29	3	5	5	
	9	32.7	16.7	1.30	5	4	5	
	10	36.4	18.2	1.48	1	5	5	
18	12	39.9	21.0	1.54	0	5	5	
	14	32.9	18.7	1.15	3	3	5	
	15	36.9	20.0	1.37	2	3	5	
	9	33.0	15.5	1.42	0	5	5	
	10	35.7	18.1	1.43	1	5	5	
19	12	38.5	21.0	1.42	0	5	5	
	14	38.2	21.2	1.38	1	5	5	
	15	33.7	19.8	1.13	1	5	5	
	9	14.5	11.0	0.28	8	0	5	
	10	23.5	14.5	0.73	8	1	5	
20	12	26.5	17.2	0.76	8	1	5	
	14	18.5	15.0	0.28	8	0	5	
	15				8	0	5	Am.
	9	31.6	16.1	1.26	0	5	5	
	10	36.1	16.6	1.58	4	5	5	
21	12	39.5	22.0	1.42	0	5	5	
	14	33.7	21.1	1.02	6	3	5	
	15	35.5	21.0	1.18	7	4	5	
	9	33.2	17.7	1.26	1	5	5	
	10	39.6	22.1	1.42	1	5	5	
22	12	40.6	24.1	1.34	3	4	5	
	14	38.3	23.8	1.18	8	5	5	
	15	34.6	22.4	0.99	5	5	5	
	9	18.7	16.0	0.22	8	0	5	
	10	21.5	17.4	0.33	8	0	5	
23	12	23.2	19.4	0.31	8	0	5	
	14	23.0	19.1	0.32	8	0	5	
	15	22.7	18.9	0.31	8	0	5	
	9	27.5	14.5	1.06	8	1	5	
	10	27.5	17.5	0.81	8	1	5	
24	12	30.5	28.0	0.20	2	5	5	
	14	30.0	18.5	0.93	2	1	5	
	15	35.0	19.3	1.28	2	5	5	
	9	19.3	11.9	0.60	7	0	5	
	10	23.3	14.3	0.73	7	2	5	
25	12	23.7	16.5	0.58	6	0	5	
	14	36.2	19.1	1.39	1	5	5	
	15	33.4	18.6	1.20	1	5	5	
	9	28.2	12.0	1.32	0	5	5	
	10	31.4	14.1	1.41	0	5	5	
26	12	38.6	17.0	1.76	3	3	5	
	14	15.5	11.9	0.29	8	0	5	
	15	15.8	12.4	0.28	7	0	5	
	9	13.4	6.2	0.58	8	2	3	Ne.
	10	14.2	7.7	0.53	8	0	3	Ne.
27	12	28.1	14.2	1.13	8	2	4	Ne.
	14	17.2	12.7	0.36	8	0	5	
	15				8	0	4	Am.
	9	29.0	14.4	1.19	1	5	5	
	10	33.0	16.2	1.36	0	5	5	
28	12	36.4	19.0	1.41	1	5	5	
	14	34.6	18.8	1.28	2	5	5	
	15	25.0	15.2	0.80	5	4	5	
	9	27.5	12.8	1.20	3	5	5	
	10	31.5	15.2	1.33	4	5	5	
29	12	37.5	18.9	1.51	2	3	5	
	14	35.2	18.5	1.36	1	5	5	
	15	28.3	16.5	0.96	5	4	5	
	9	24.8	11.4	1.09	1	4	3	Ne.
	10	29.8	14.8	1.22	2	4	3	Ne.
30	12	33.5	18.0	1.26	7	4	3	Ne.
	14	28.0	15.8	0.99	4	1	5	
	15	30.0	16.1	1.13	4	4	4	
	9	28.5	13.2	1.24	8	4	5	Ju.
	10	31.0	15.6	1.25	8	3	5	Ju.
31	12	24.0	15.4	0.70	8	2	5	Ju.
	14	23.8	15.6	0.67	8	2	5	
	15	18.0	13.0	0.41	8	0	5	

HELIOFANÍA

DÍAS \ HORAS	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H.EFECTIVA	H.TEÓR.ASTRON	H.RELATIVA
1			0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			9.3	10.6	88
2			0.6	0.6	1.0	0.6	1.0	0.9	0.9	0.9	0.1	0.2			6.8	10.6	64
3					0.3	0.2		0.7	0.6	0.4	0.3	0.2			2.7	10.5	26
4				0.8	1.0	0.8	1.0	1.0	1.0	1.0	1.0	0.6			8.2	10.5	78
5			0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4			9.0	10.5	86
6			0.1	0.1				0.5	1.0	0.9	0.7				3.3	10.4	32
7															0.0	10.4	00
8															0.0	10.4	00
9							0.5	0.6	0.7	0.9					2.7	10.4	26
10					0.1	0.1	0.1	0.5	0.3	0.2					1.3	10.3	13
11								0.1	0.4	0.4	0.3				1.2	10.3	12
12			0.4	0.2	0.2	0.3	1.0	1.0	0.5	0.7	0.3				4.6	10.3	45
13			0.3	1.0	1.0	1.0	1.0	0.9	1.0	0.9	0.6	0.1			7.8	10.3	76
14															0.0	10.2	00
15															0.0	10.2	00
16						0.1	0.5	0.1	0.1						0.8	10.2	08
17				0.1	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.6			7.6	10.2	74
18			0.4	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.9	0.1			8.1	10.1	80
19			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2			8.6	10.1	85
20			0.1			0.2					0.3				0.6	10.1	06
21			0.4	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.7	0.1			7.8	10.1	77
22			0.5	1.0	1.0	1.0	1.0	1.0	0.9	0.3					6.7	10.0	67
23															0.0	10.0	00
24			0.3	1.0	1.0	0.9	0.9	1.0	1.0	0.6	0.7	0.2			7.6	10.0	76
25				0.2	0.4	0.3	0.6	0.5	1.0	1.0	0.7				4.7	10.0	47
26				0.9	1.0	1.0	1.0	1.0	0.6	0.2	0.2				5.9	10.0	59
27								0.6							0.6	9.9	06
28				0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2			8.1	9.9	82
29			0.5	1.0	0.8	1.0	0.7	1.0	1.0	1.0	1.0	0.3			8.3	9.9	84
30				0.6	0.6	0.5	1.0	1.0	1.0	1.0	0.3				6.0	9.9	61
31			0.1	0.7	1.0	1.0	0.2								3.0	9.9	30
Medias			0.2	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.1			4.5	10.2	45

GEOTEMPERATURA

DÍAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h
1	14.2	17.2	17.0	14.8	16.1	16.0	14.6	14.6	14.5	15.8	15.6	15.6	19.0	18.9	18.9
2	16.5	19.0	18.8	16.0	17.5	17.9	15.0	15.4	16.2	15.7	15.9	16.2	18.7	18.8	18.8
3	18.1	19.9	19.3	17.5	18.4	18.5	16.1	16.4	16.7	16.2	16.5	16.8	19.0	19.2	19.2
4	18.2	20.2	18.5	17.6	18.8	18.8	16.4	16.6	17.0	16.8	16.8	17.0	17.3	19.4	18.6
5	18.0	20.4	18.5	17.8	19.0	18.9	16.6	17.0	17.0	17.0	17.0	17.0	19.6	19.0	19.0
6	18.7	19.8	18.9	18.2	18.6	18.6	17.0	17.0	17.0	17.4	17.3	17.1	19.8	19.9	19.7
7	19.5	19.5	19.5	18.8	18.7	18.9	17.5	17.2	17.2	17.5	17.5	17.5	19.9	19.9	19.9
8	18.1	16.0	16.2	17.5	17.5	17.9	16.8	16.0	15.5	17.2	17.0	16.2	19.9	19.8	19.5
9	16.3	17.8	17.9	16.0	16.9	17.1	15.1	15.3	15.6	15.9	15.9	16.1	19.1	18.9	18.9
10	17.7	18.9	18.9	17.0	17.7	17.9	15.7	15.9	16.3	16.2	16.3	16.4	18.9	19.1	19.0
11	18.4	19.0	19.2	17.6	18.0	18.4	16.2	16.3	16.6	16.5	16.6	16.7	19.1	19.3	19.3
12	18.9	20.5	20.6	18.1	19.1	19.5	16.6	17.0	17.4	16.9	17.1	17.2	19.5	19.5	19.6
13	19.5	21.2	21.1	18.6	19.7	20.1	17.3	17.5	18.1	17.6	17.6	17.8	19.9	20.0	20.0
14	18.6	18.6	17.9	18.6	18.0	17.6	17.3	17.0	16.7	17.8	17.5	17.5	20.2	20.5	20.0
15	17.0	17.4	16.9	16.6	16.9	16.6	16.0	15.8	15.8	16.6	16.6	16.6	19.6	19.5	19.5
16	17.0	17.4	15.4	16.3	16.8	16.7	15.6	15.5	15.5	16.2	16.2	16.1	19.2	19.1	19.0
17	16.6	17.2	15.7	16.2	16.7	16.6	15.2	15.2	15.2	16.0	16.0	16.0	18.9	18.8	18.9
18	16.1	17.1	16.2	15.9	16.5	16.2	15.1	15.0	15.2	15.9	15.7	15.8	18.8	18.7	18.7
19	13.6	13.8	15.4	14.0	14.9	15.1	14.0	13.9	14.1	15.2	14.9	14.9	18.4	18.3	18.0
20	14.4	15.1	14.7	14.3	14.6	14.6	13.6	13.6	13.5	14.6	14.6	14.6	17.9	17.8	17.8
21	13.6	15.6	13.2	13.6	14.5	14.7	13.0	13.0	13.5	14.0	13.9	14.0	17.4	17.3	17.2
22	14.3	16.1	16.1	14.0	15.0	15.3	13.2	13.4	13.9	14.0	14.1	14.3	17.2	17.2	17.2
23	14.4	16.2	16.4	14.8	15.4	15.7	13.7	13.8	14.0	14.4	14.3	14.4	17.4	17.4	17.3
24	16.0	16.4	15.4	15.5	15.7	15.4	14.2	14.2	14.2	14.7	14.7	14.8	16.5	17.5	17.5
25	13.8	14.6	14.7	13.8	14.2	14.3	13.3	13.1	13.2	14.2	14.0	13.9	17.4	17.3	17.1
26	14.4	14.4	14.2	14.2	14.2	14.0	13.2	13.0	13.1	13.9	13.9	13.9	17.0	17.0	16.9
27	12.0	13.1	13.2	12.4	12.8	13.0	12.2	12.0	12.1	13.4	13.1	13.0	16.7	16.6	16.4
28	13.2	14.2	13.8	12.7	13.5	13.5	11.9	12.0	12.5	12.8	12.8	13.0	16.2	16.2	16.1
29	12.0	13.6	13.0	12.2	13.0	12.5	11.7	11.8	11.8	12.7	12.6	12.6	16.1	16.0	16.0
30	11.2	13.0	12.8	11.5	12.4	12.5	11.3	11.2	11.5	12.4	12.2	12.2	15.8	15.6	15.6
31	12.0	13.0	12.7	11.7	12.3	12.5	11.0	11.0	11.0	12.0	12.0	1200	15.4	15.4	15.4
Prom.	15.9	17.0	16.5	15.6	16.2	16.3	14.7	14.7	14.9	15.4	15.4	15.4	18.2	18.3	18.2

LLUVIA, ESTADO DEL SUELO, ETC...

DÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en %						Freatímetro
	50 cm.	1.50 m.	7 m.	18 m.		8h	14h	20h	Total	Punto	7 cm.	15 cm.	30 cm.	60 cm.	1 m.	
1	0.0	0.0	0.0	0.0	0	0.2	2.8	1.4	5.4							10164
2					0	0.7	2.0	1.4	4.2	Ñ. 25	11.9	12.6	15.3			10166
3	0.0	0.0	0.0	0.0	0	0.8	1.3	0.6	2.4							10168
4					0	0.5	3.0	2.0	6.0							10170
5					0	1.0	2.5	0.8	5.2							10172
6					2	1.9	1.0	1.8	2.8							10175
7	20.8	22.1	-	20.1	2	0.0	0.1	0.1	0.5	-	-	-	-			10176
8	15.4	15.9	-	15.4	2	0.3	0.5	0.0	0.6							10178
9	71.5	74.9	-	67.2	2	0.1	0.6	0.4	1.3							10718
10	2.5	3.1	2.5	2.6	2	0.3	0.5	0.5	1.3							10766
11	14.3	14.5	13.3	13.2	2	0.3	0.4	0.2	1.3							10738
12					2	0.7	1.7	1.0	3.8	Ñ. 26	24.4	22.8	23.7	23.1	18.0	10758
13					1	1.1	1.7	0.9	3.6							10778
14					1	1.0	1.2	0.4	2.0							10824
15	66.5	67.0	66.5	58.3	2	0.4	0.1	0.1	0.3							10701
16	0.0	0.0	0.0	0.0	2	0.1	0.5	0.5	1.1							10745
17	3.8	6.5	5.0	5.3	2	0.1	1.1	0.1	1.5	0. 1	22.0	22.3	24.2			10585
18					2	0.3	0.8	0.9	1.8							10655
19					1	0.1	1.7	1.0	3.6							10665
20					1	0.9	1.2	0.5	1.9							10674
21					0	0.2	1.4	0.8	3.0							10678
22					0	0.8	1.6	1.0	3.5	0. 2	21.7	20.3	23.7			10682
23					1	0.9	0.8	0.3	1.5							10684
24	8.6	11.1	9.0	-	1	0.4	1.1	0.9	2.2							10680
25					1	0.2	1.6	1.1	3.4							10683
26					0	0.7	1.3	0.7	2.2							10686
27					0	0.2	0.5	0.4	1.4	0. 3	22.7	21.8	26.1			10688
28					0	0.5	1.0	0.8	2.2							10692
29					0	0.4	0.8	0.5	1.6							10695
30					0	0.3	0.7	0.7	1.7							10698
31					0	0.3	1.4	0.6	3.0							10704
Prom.	203.4	215.1	-	-	-	0.5	1.2	0.7	2.4	-	-	-	-	-	-	10566

0.50 m.			1 m.			2 m.	3 m.	Temper. Mínima de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos
8h	14h	20h	8h	14h	20h	8h	8h		
18.0	17.9	18.0	18.5	18.5	18.6	19.8	19.5	- 0.4	Ca. m. t. y n.,r. m. y n.
17.8	17.7	17.7	18.5	18.5	18.5	19.8	19.6	8.7	Ca. n., Cn. m.yt. r. m., B. t., R. n.
18.0	18.2	18.0	18.5	18.7	18.6	19.8	19.6	14.6	Cn. m. y t., Ca. n., dv. m., r. n.
18.1	18.2	18.2	18.5	18.9	18.5	19.7	19.7	11.7	Ca. m. t. y n., Ne. m., r. m. y n.
18.2	18.2	18.2	18.5	18.6	18.6	19.7	19.7	9.5	Ca. m. t. y n., r. m. y n., Ne. n.
18.0	18.2	18.2	18.7	18.8	18.8	19.6	19.5	13.1	Cn. m. t. y n., r. m., Ne. n., LL. m. y t.
18.5	18.6	18.6	18.7	18.7	18.7	19.5	19.4	16.0	Cn. m., N. m. t. y n., dv. m.
18.5	18.5	18.2	18.7	18.6	18.7	19.5	19.5	13.1	Cn. m. t. y n., LL. N. m., Z. t. y n.
17.7	17.7	17.7	18.7	18.7	18.7	19.0	18.9	13.3	Cn. m. t. y n.
17.7	17.7	17.7	18.6	18.6	18.6	19.2	18.6	15.4	Cn. m. y t., Ca. n., LL. Ne. m., Z. n.
17.8	18.0	17.9	18.6	18.6	18.6	19.2	19.0	16.1	Cn. m. y t., Ca. n., LL. N. m., B. t.
17.8	17.7	17.8	18.5	18.5	18.5	19.2	19.1	16.6	Cn. m. t. y n., dv. m., Ne. t., r. Jl. Dl. n.
18.1	18.2	18.2	18.5	18.5	18.5	19.2	19.1	15.1	Ca. m. y t., Cn. n., r. m.
18.7	18.7	18.2	18.6	18.6	18.6	19.2	19.2	13.0	Cn. m. t. y n., B. t.
18.0	17.9	18.0	18.7	18.7	18.7	19.3	19.0	13.0	Cn. m. t. y n., Z. m. t. y n., N. t.
17.9	18.0	18.1	18.6	18.5	18.5	18.7	19.0	11.8	Cn. m. t. y n., r. LL. Z. n.
17.8	17.7	17.7	18.5	18.4	18.5	18.7	19.0	10.5	Cn. m. y n., Ca. t., r. n.
17.7	17.7	17.6	18.5	18.5	18.3	18.7	19.0	8.3	Cn. m., Ca. t. y n., r. m. y n.
17.5	17.4	17.6	-	18.3	-	18.7	19.0	- 1.1	Ca. m. y t., Cn. n., r. m. y n.
17.0	16.9	16.9	18.3	18.3	18.0	19.0	19.0	5.4	Cn. m. y t., Ca. n., r. m. y n., Jl. n.
16.5	16.5	16.4	17.7	18.0	18.0	19.0	19.0	1.5	Ca. m., Cn. t. y n., r. m. y n., Dl. n.
16.3	16.3	16.2	17.7	17.7	17.7	19.0	19.0	4.5	Ca. m. y n., Cn. t., r. m., Dl. Jl. n.
16.3	16.3	16.2	17.6	17.6	-	19.0	19.0	11.0	Cn. m. t. y n., CH. t.
16.2	16.4	16.3	17.6	17.6	17.4	19.0	19.0	10.5	Cn. m., Ca. t. y n., r. n.
16.3	16.2	16.1	17.6	17.6	17.5	19.0	19.0	0.6	Cn. m. y n., Ca. t., r. m. y n.
16.0	16.1	16.0	-	-	-	19.0	19.0	3.4	Ca. m. y n., Cn. t., r. m.
15.7	15.7	15.5	-	-	-	19.0	19.0	- 1.4	Cn. m. t. y n., Ne. m., r. n.
15.4	15.3	15.3	-	17.6	-	19.0	19.0	3.8	Ca. m. t. y n., r. m. y n.
15.2	15.2	15.1	16.7	16.9	16.8	18.8	19.0	- 0.3	Ca. m. t. y n., r. m. y n.
14.9	14.8	14.8	16.5	16.6	-	18.7	19.0	-	Cn. m. y t., Ca. n., r. m. y n., h. m.
14.5	14.5	14.5	16.3	16.4	16.4	18.7	18.8	1.6	Cn. m. y t., Ca. n., r. m. y n., Js.
17.2	17.2	17.1	18.2	18.2	18.2	19.2	19.1	8.6	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESIÓN ATMOSFÉRICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANÍA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mm. mb.	mm. mb.			mm. mb.			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	58.9	64.8	1,8	0;9-10	54.7	6	15,16,17	18.4	23.6	14.6	28.1	6	15	5.8	1	2	4.3	10.5	41
2ª	58.9	64.1	14	8	54.2	16	17-18	15.3	19.0	12.2	27.8	13	14	5.1	19	4	3.9	10.2	39
3ª	61.8	69.2	31	9-10	55.1	23	15-16	11.7	16.3	7.3	21.1	22	14	2.6	27	8	5.3	10.0	54
MES	59.9	69.2	31	9-10	54.2	16	17-18	15.0	19.5	11.2	28.1	6	15	2.6	27	8	4.5	10.2	45

DÉCADA	HUMEDAD DEL AIRE								VIENTO									LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas				Instantáneas				Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Hora	Velocidad Máxima	Dirección	Día	Hora						
	%	%		%		mm. mb.	mm. mb.	mm. mb.		Km/h	Km/h		Km/h		Km/h				mm.	mm.		mm.		
1ª	82	100	8	29	1	12.5	18.4	5.0	N	13	36	1	29	9	51	NE	9	1.01	130.5	74.9	8	17.9	6	22-23
2ª	84	100	16,17,18	43	19	11.0	18.5	6.0	NE	12	24	14	21	11 14	34	SE E	13 14	19.52 14.16	73.5	67.0	14	42.0	15	2-3
3ª	79	99	24,29	35	24	8.0	14.0	3.2	NE	12	24	23,25 31	22	23 31	46	W	26	11.56	11.1	11.1	23	6.5	23	21-22
MES	82	100	8,16,17,18	29	1	10.4	18.5	3.2	NE	11	36	1	29	9	51	NE	9	1.01	215.1	74.9	8	42.0	15	2-3

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACIÓN							VIENTO - TORM. ELÉCT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1ª	-	-	5	2	-	-	-	5	-	-	-	-	-	-	2	1	1
2ª	-	1	5	2	-	-	-	2	1	-	-	-	-	-	-	-	-
3ª	-	-	2	-	-	-	-	1	-	-	1	-	-	-	1	-	-
MES	-	1	12	4	-	-	-	8	1	-	1	-	-	-	3	1	1

DÉCADA	FENOMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
1ª	6	-	-	-	-	-	-	-	-	-	-	6	4	-	5	-
2ª	7	-	-	-	-	-	1	-	1	-	-	6	4	-	2	-
3ª	9	1	-	-	-	-	1	1	1	-	-	8	3	-	-	-
MES	22	1	-	-	-	-	2	1	2	-	-	20	11	-	7	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VI JUNIO 1951 Nº 6

RESUMEN MENSUAL

En los primeros días del mes reina buen tiempo, con nubosidad variable y temperatura en ascenso debido a una ola de aire caliente y húmedo, que el día 4 es desplazada por la afluencia continuada desde el SW de aire frío. El viento gira el 7 del W al NW. Aire tropical avanza luego desde el NE, originando en su encuentro con la masa fría ligeras lluvias.

Al comenzar la segunda década, aire caliente cubre el norte y centro del país, haciendo sentir como es lógico, su principal influencia sobre la temperatura y tensión del vapor. La humedad es elevada, lo que resta la sensación de confort que podrían dar esas temperaturas en un mes invernal. desde el día 12 la tensión del vapor alcanza el máximo de 16.6 mm que se repite en los días 13 y 14, en este último acompañado del máximo absoluto de temperatura que es de 27.3°C. El viento sopla predominantemente del NW alcanzando 48 Km/h. Al promediar la década, avanza un frente del SW, con aire frío, que atraviesa el Observatorio el día 15 provocando algunas lluvias a mediodía y una brusca caída de temperatura y tensión del vapor. Al día siguiente se hace sentir con mayor intensidad esa corriente fría, pero el día 17, una nueva incursión tropical somete a la estación a nuevos ascensos de temperatura y tensión del vapor, pero sin alcanzar la intensidad de los días anteriores y con presión mucho más elevada que en aquella ocasión.

Bajo la misma masa de aire tropical se inicia la última década anotándose el día 21 el valor más bajo de la presión con 748.6 mm. El pasaje de un frente frío, desplaza el aire caliente hacia el NE y el día 22 hace sentir su efecto en la disminución de temperatura y tensión del vapor y aumento de presión. El viento gira del NE al SW. El cielo que desde el principio de la década se encontraba muy nuboso, se despeja por la tarde del día 22, vuelve a cubrirse a partir del día siguiente hasta el 26, lo que disminuye notablemente la heliofanía relativa. En estos días continuas afluencias de aire polar llevan la tensión del vapor a valores muy inferiores a la media del mes, llegando el día 26 a 3.0 mm como valor mínimo, que se repite el día 27, en que se anota también el mínimo de la temperatura con -3.5°C. La presión máxima del mes corresponde a este mismo día con 771.7 mm.

En cuanto a los valores promedios resultaron con desviación positiva los de la temperatura y tensión del vapor, y negativa los de la presión y humedad relativa.

POTENCIAL ATMOSFÉRICO en V/M.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	93	62	83	93	101	70	81	105	115	87	91	89	101	115	132
2	58	64	41	31	56	29	24	22	10	-10	31	64	66	56	53
3	131	69	55	62	41	55	41	41	41	34	69	76	69	55	90
4	46	44	39	34	24	14	27	22	68	85	81	58	41	56	89
5	55	62	76	62	41	62	55	83	117	117	124	117	131	110	104
6	83	76	83	76	76	69	69	83	104	110	104	76	21	48	55
7	69	62	62	69	69	76	69	90	97	41	-76	-406	-286	-167	-117
8	48	41	117	131	83	62	62	69	90	179	207	152	145	131	186
9	95	91	89	105	103	105	122	147	220	213	166	179	166	152	152
10	69	246	117	69	90	477	179	55	-14	-14	7	-21	7	- 7	- 7
11	-	-	-	-	-	-	48	104	124	145	83	62	55	76	55
12	21	21	21	14	14	14	14	28	48	48	62	62	55	62	62
13	28	28	28	28	28	34	34	41	34	28	7	21	41	69	62
14	55	62	76	76	41	62	76	48	62	55	21	7	69	124	186
15	21	28	21	-	-	-	-	14	69	48	-	-	21	69	110
16	28	41	34	34	41	62	69	104	291	328	414	322	213	218	186
17	48	41	7	14	21	14	7	7	14	21	28	69	69	62	117
18	48	34	41	34	14	21	28	41	41	62	69	55	62	62	69
19	21	14	21	34	28	48	41	97	110	104	104	97	90	90	124
20	41	48	48	55	41	55	69	69	76	90	90	90	83	90	90
21	53	53	46	53	56	41	-	-	-	-	-	-	62	76	78
22	130	113	64	78	91	83	93	135	110	117	193	159	166	159	138
23	28	48	138	-28	207	197	34	83	138	259	284	284	226	97	104
24	138	110	69	97	104	69	55	97	110	104	76	110	110	97	76
25	93	83	74	70	72	81	93	103	125	115	111	118	107	99	99
26	56	53	31	22	24	24	29	53	74	111	120	115	107	105	99
27	104	159	117	110	145	145	138	97	97	179	145	207	166	152	131
28	124	117	138	117	104	104	97	76	62	179	131	110	104	110	117
29	104	97	90	90	76	90	76	83	90	104	104	97	83	83	76
30	110	104	90	90	90	62	55	41	152	402	333	193	186	166	159
31															
Prom.	77.3	71.5	69.3	70.7	64.5	64.6	64.2	77.2	104.9	134.4	134.0	118.5	108.3	108.8	115.2

IONIZACIÓN DEL AIRE

DÍAS	COEFICIENTE DE DISPERSION "a" x 100								CONDUCTIBILIDAD " λ " $.10^{-4}$							
	mañana				tarde				mañana				tarde			
	a^-	a^+	a^-+a^+	a^-/a^+	a^-	a^+	a^-+a^+	a^-/a^+	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-
1									0.66	0.79	1.45	0.84	0.79	0.71	1.50	1.11
2									0.28	0.28	0.56	1.00	0.69	0.67	1.36	1.03
3									0.35	0.42	0.77	0.83	0.26	0.29	0.55	0.90
4									0.58	0.57	1.15	1.02	0.57	0.86	1.43	0.66
5									0.64	0.64	1.28	1.00	0.49	0.49	0.98	1.00
6									0.41	0.47	0.88	0.87	0.73	0.74	1.47	0.99
7									0.78	0.81	1.59	0.96	0.69	0.67	1.36	1.03
8									0.41	0.43	0.84	0.95	0.45	0.42	0.87	1.07
9									0.40	0.43	0.83	0.93	0.57	0.45	1.02	1.27
10									0.71	0.61	1.32	1.16	1.14	0.91	2.05	1.25
11									1.33	1.32	2.65	1.01	1.36	1.26	2.62	1.08
12									1.23	0.93	2.16	1.32	1.34	1.11	2.45	1.21
13									1.10	1.11	2.21	0.99	0.64	0.53	1.17	1.21
14									0.96	0.84	1.80	1.14	0.82	0.61	1.43	1.34
15									1.53	1.28	2.81	1.20	1.41	1.28	2.69	1.10
16									0.37	0.44	0.81	0.84	0.71	0.75	1.46	0.95
17									0.84	0.62	1.46	1.35	0.95	0.95	1.90	1.00
18									1.10	1.65	2.75	0.67	0.92	1.62	2.54	0.57
19									1.01	0.88	1.89	1.15	0.54	0.53	1.07	1.02
20									-	-	-	-	-	-	-	-
21									1.00	0.97	1.97	1.03	0.96	0.94	1.90	1.02
22									1.00	0.88	1.88	1.14	0.86	1.10	1.96	0.78
23									0.37	0.39	0.76	0.95	0.31	0.33	0.64	0.94
24									0.99	0.53	1.52	1.87	1.17	1.03	2.20	1.14
25									0.75	0.76	1.51	0.99	1.03	1.00	2.03	1.03
26									0.74	0.73	1.47	1.01	0.74	0.52	1.26	1.42
27									0.33	0.09	0.42	3.67	-	-	-	-
28									0.65	0.52	1.17	1.25	0.52	0.50	1.02	1.04
29									1.10	0.97	2.07	1.13	1.08	1.00	2.08	1.08
30									0.59	0.54	1.13	1.09	0.84	0.82	1.66	1.03
31																
Prom.									0.77	0.72	1.49	1.07	0.81	0.79	1.60	1.02

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplit.	Tipo de Curva
149	168	183	178	163	176	122	58	53	111.2	275	14	261	0
62	125	202	156	166	111	70	39	24		280	-66	346	2
90	117	131	145	97	69	62	41	41	71.8	207	14	193	0
115	118	122	111	85	78	64	53	44	63.2	130	7	123	0
131	104	124	117	124	124	124	138	110	114.8	449	-217	666	1
69	83	97	117	90	90	83	97	124	82.6	166	-55	221	1
14	-220	138	110	76	76	55	55	48		350	-901	1251	2
246	152	186	259	259	233	159	131	124	143.8	431	14	417	0
172	246	246	200	131	76	41	55	124	141.5	699	14	685	0
21	76	62	55	28	48	55	28	-		600	-878	1478	2*
76	83	83	76	62	55	41	41	41		333	7	126	0*
69	69	90	69	55	41	34	28	28	42.9	145	7	138	0
104	124	83	62	55	55	55	55	48		186	-34	220	1
117	131	117	131	124	97	83	83	62	81.9	368	-83	451	1
90	76	76	62	69	97	62	55	55		138	-83	221	1*
193	179	246	239	200	152	110	90	76	161.2	529	28	501	0
104	97	104	131	131	97	83	76	76		166	-48	214	1
90	97	90	138	179	138	124	90	55	70.1	297	00	297	0
152	152	226	297	233	117	76	69	62	100.1	345	00	345	0
124	145	200	166	124	97	76	69	69	87.7	265	28	237	0
83	39	51	91	-137	-53	10	76	154		∞	-∞	-	3*
117	117	97	131	193	186	104	21	-14	115.9	310	-97	407	1
110	110	-41	-41	124	166	28	14	138		669	-824	1493	2
76	104	110	145	104	104	97	83	83	97.0	233	-14	247	1
97	101	97	91	72	74	66	58	46	89.4	144	19	125	0
95	81	76	93	130	122	137	125	103	82.7	224	14	210	0
131	124	213	339	291	179	152	166	104	158.0	506	28	478	0
131	131	138	179	131	124	117	124	138	121.0	226	00	226	0
90	104	145	186	131	159	117	97	97	102.9	246	41	205	0
193	138	152	207	233	145	97	131	110	151.6	529	14	515	0
126.0	126.7	147.0	168.5	150.0	122.9	97.4	86.0	78.0	103.7				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i" $.10^{-7}$ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
hora iones	hora λ a.m.	hora λ p.m.	a.m.	p.m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
89	78	159	3.77	7.95	976	1016	1992	0.96	0.90	1.35
34	70	68	1.31	3.08	612	1031	1643	0.59	0.62	1.90
69	83	90	2.13	1.65	1132	559	1691	2.02	1.16	1.04
70	62	115	2.38	5.48	662	744	1406	0.89	2.08	2.34
138	131	131	5.59	4.28	916	865	1781	1.06	-	0.44
104	90	69	2.64	3.38	1121	916	2037	1.22	0.42	-
-104	-124	55	- 6.57	2.49	572	507	1079	1.13	1.14	1.09
179	131	284	3.67	8.24	918	859	1777	1.07	1.51	-
159	166	166	4.59	5.64	572	457	1029	1.25	-	1.22
21	- 7	55	- 0.31	3.76	404	744	1148	0.54	-	2.34
62	69	90	6.09	7.86	972	662	1634	1.47	2.24	0.89
55	69	69	4.97	5.64	941	859	1800	1.10	-	1.52
7	14	14	1.03	0.55	916	819	1735	1.12	1.66	-
28	14	110	0.79	5.24	710	960	1670	0.74	1.38	1.09
-	-	83	-	3.54	800	815	1615	0.98	0.82	0.23
437	328	207	8.86	10.07	513	287	800	1.79	-	-
34	69	97	3.22	6.14	1031	1020	2051	1.01	1.27	2.14
62	55	110	5.04	9.31	807	1006	1813	0.80	2.15	2.50
97	90	152	5.67	5.42	651	559	1210	1.16	1.34	2.46
83	83	124	-	-	1731	356	2087	4.86	2.63	1.12
-	-	87	-	5.51	306	161	467	1.90	-	-
207	166	179	10.40	11.69	429	714	1143	0.60	1.43	1.40
284	284	124	7.19	2.64	1069	1245	2314	0.86	1.47	1.49
90	97	83	4.91	6.09	970	813	1783	1.19	1.26	0.74
107	125	97	6.29	6.56	1020	459	1479	2.22	2.10	1.91
120	115	95	5.64	4.50	1247	1220	2467	1.02	1.01	1.62
138	233	152	3.26	-	463	228	691	2.03	-	0.94
117	110	124	4.29	4.22	916	710	1626	1.29	1.19	0.82
97	104	90	7.18	6.24	1373	968	2341	1.42	1.13	2.32
322	270	179	10.17	9.90	964	1016	1980	0.95	2.45	1.73
111	106	115	4.08	5.42	858	752	1610	1.14	1.45	1.46

COMPONENTE NORTE en MV/Km.

DIAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	10.4	10.4	3.5	5.8	1.2	- 2.5	- 1.2	- 2.5	2.3	1.2	- 2.5	9.3	2.3
2	2.3	1.2	4.6	9.3	5.8	2.3	2.3	- 1.2	- 2.5	- 5.0	2.3	2.3	1.2
3	5.8	11.6	7.0	5.8	4.6	3.5	2.3	3.5	- 1.2	- 1.2	1.2	1.2	1.2
4	-	-	-	-	-	-	-	3.5	2.3	- 1.2	- 2.5	1.2	- 7.4
5	3.5	3.5	7.0	3.5	2.3	1.2	2.3	3.5	3.5	1.2	- 3.7	2.3	- 2.5
6	- 1.2	1.2	- 1.2	5.8	1.2	1.2	1.2	3.5	2.3	1.2	- 2.5	1.2	1.2
7	- 2.5	1.2	9.3	3.5	- 1.2	- 1.2	2.3	- 1.2	1.2	2.3	- 1.2	2.3	2.3
8	- 1.2	4.6	9.3	7.0	2.3	- 1.2	2.3	1.2	- 3.7	2.3	- 1.2	3.5	- 5.0
9	2.3	4.6	3.5	5.8	2.3	1.2	1.2	- 1.2	- 1.2	1.2	2.3	1.2	- 1.2
10	3.5	7.0	8.1	7.0	3.5	2.3	3.5	-	-	-	- 1.2	1.2	1.2
11	2.3	8.1	5.8	7.0	1.2	- 2.5	1.2	- 2.5	1.2	2.3	- 2.5	- 1.2	- 2.5
12	7.0	4.6	2.3	7.0	- 2.5	- 5.0	- 2.5	2.3	- 1.2	- 1.2	- 1.2	1.2	1.2
13	5.8	4.6	3.5	3.5	- 3.7	- 3.7	1.2	- 1.2	- 1.2	- 5.0	- 5.0	2.3	3.5
14	3.5	3.5	3.5	4.6	- 1.2	- 3.7	- 3.7	- 2.5	- 3.7	- 2.5	- 1.2	2.3	2.3
15	7.0	7.0	8.1	11.6	1.2	- 5.0	-	2.3	- 2.5	1.2	- 1.2	2.3	- 1.2
16	5.8	3.5	3.5	4.6	- 2.5	- 2.5	1.2	2.3	- 2.5	-	-	-	-
17	2.3	8.1	7.0	7.0	4.6	4.6	1.2	1.2	- 2.5	- 2.5	2.3	2.3	- 2.5
18	2.3	18.6	4.6	10.4	7.0	- 1.2	2.3	7.0	- 1.2	3.5	2.3	1.2	1.2
19	- 7.4	-13.6	12.8	4.6	- 1.2	- 1.2	7.0	8.1	8.1	7.0	- 1.2	- 6.2	- 2.5
20	2.3	7.0	4.6	5.8	2.3	2.3	2.3	1.2	- 1.2	2.3	2.3	- 5.0	- 1.2
21	2.3	3.5	12.8	7.0	3.5	4.6	4.6	4.6	4.6	3.5	- 1.2	- 1.2	- 1.2
22	7.0	2.3	4.6	7.0	- 2.5	1.2	3.5	9.3	10.4	1.2	1.2	- 1.2	1.2
23	3.5	4.6	2.3	7.0	4.6	1.2	7.0	3.5	2.3	2.3	2.3	8.1	3.5
24	1.2	2.3	3.5	2.3	2.3	1.2	2.3	1.2	- 1.2	- 1.2	2.3	3.5	4.6
25	4.6	9.3	11.6	7.0	- 1.2	- 5.0	2.3	2.3	2.3	5.8	- 1.2	- 6.2	- 5.0
26	4.6	3.5	1.2	5.8	3.5	- 3.7	1.2	4.6	2.3	7.0	- 1.2	4.6	- 1.2
27	8.1	5.8	3.5	17.5	3.5	1.2	4.6	1.2	- 1.2	2.3	- 2.5	1.2	2.3
28	5.8	7.0	3.5	3.5	- 1.2	2.3	2.3	- 1.2	3.5	- 1.2	- 2.5	- 1.2	- 1.2
29	7.0	9.3	4.6	3.5	1.2	- 3.7	- 2.5	- 1.2	- 7.4	1.2	- 1.2	- 2.5	- 2.5
30	5.8	4.6	3.5	7.0	2.3	- 1.2	- 1.2	- 2.5	- 2.5	2.3	1.2	4.6	- 1.2
31													
Prom	3.6	5.1	5.4	6.5	1.5	- 0.4	1.8	1.7	0.3	1.1	- 0.6	1.2	- 0.3
Var.	3.0	4.5	4.8	5.9	0.9	- 1.0	1.2	1.1	- 0.3	0.5	- 1.2	0.6	- 0.9

COMPONENTE ESTE en MV/Km.

DIAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	- 7.8	- 6.3	-12.6	-11.0	-20.4	-28.3	-22.0	-22.0	-17.3	-15.7	-17.3	-20.4	-18.8
2	- 6.3	- 6.3	-11.0	-14.1	-22.0	-23.6	-28.3	-23.6	-18.8	-20.4	-20.4	-20.4	-18.8
3	-11.0	- 9.4	-11.0	-11.0	-14.1	-17.3	-17.3	-20.4	-22.0	-23.6	-23.6	-25.1	-20.4
4	-	-	-	-	-	-	-	-17.3	-12.6	-15.7	-18.8	-20.4	-18.8
5	- 6.3	- 1.6	-11.0	-11.0	-25.1	-26.7	-25.1	-20.4	-22.0	-17.3	-20.4	-18.8	-14.1
6	- 9.4	- 6.3	- 9.4	- 7.8	-20.4	-26.7	-23.6	-20.4	-18.8	-20.4	-22.0	-18.8	-18.8
7	- 4.7	- 4.7	- 9.4	- 9.4	-26.7	-28.3	-23.6	-17.3	-18.8	-17.3	-23.6	-17.3	-18.8
8	- 6.3	- 3.1	-11.0	-11.0	-20.4	-26.7	-23.6	-18.8	-20.4	-15.7	-17.3	-17.3	-17.3
9	- 3.1	- 3.1	- 7.8	- 9.4	-18.8	-22.0	-22.0	-17.3	-17.3	-18.8	-25.1	-18.8	-20.4
10	-12.6	- 6.3	- 6.3	- 6.3	- 9.4	-11.0	-14.1	-	-	-	-17.3	-22.0	-15.7
11	- 4.1	- 3.1	- 4.7	- 7.8	-17.3	-25.1	-23.6	-14.1	-17.3	-17.3	-12.6	-17.3	-15.7
12	- 3.1	- 3.1	- 6.3	- 7.8	-20.4	-28.3	-23.6	-15.7	-18.8	-11.0	-18.8	-22.0	-17.3
13	- 3.1	1.6	- 4.7	- 7.8	-23.6	-26.7	-20.4	-15.7	-12.6	-11.0	-14.1	-15.7	-15.7
14	1.6	1.6	- 3.1	- 4.7	-17.3	-22.0	-22.0	-12.6	-14.1	-11.0	-12.6	- 9.4	- 9.4
15	1.6	1.6	- 1.6	- 6.3	-17.3	-20.4	-	-14.1	-18.8	-12.6	-18.8	-17.3	-20.4
16	- 3.1	- 1.6	- 4.7	- 6.3	-18.8	-22.0	-17.3	-17.3	-17.3	-	-	-	-
17	- 9.4	- 1.6	- 3.1	- 3.1	- 7.8	- 9.4	-12.6	-20.4	-20.4	-17.3	-18.8	-20.4	-18.8
18	-14.1	- 1.6	- 1.6	- 1.6	-18.8	-20.4	-20.4	-12.6	-20.4	-14.1	-14.1	-15.7	-15.7
19	1.6	1.6	- 4.7	- 4.7	-17.3	-23.6	-25.1	-15.7	-14.1	-12.6	-18.8	-17.3	-14.1
20	- 3.1	3.2	- 3.1	- 3.1	- 6.3	- 7.8	-15.7	-17.3	-25.1	-15.7	-15.7	-28.3	-20.4
21	-11.0	4.7	- 1.6	- 3.1	-12.6	-20.4	-17.3	-15.7	-15.7	-11.0	-18.8	-17.3	-18.8
22	- 6.3	- 3.1	- 6.3	-11.0	-20.4	-26.7	-25.1	-18.8	-31.4	-12.6	-14.1	-22.0	-15.7
23	- 1.6	1.6	- 3.1	- 4.7	-17.3	-25.1	-15.7	-17.3	-17.3	-15.7	-20.4	-15.7	-15.7
24	- 4.7	- 1.6	- 3.1	- 7.8	- 7.8	-12.6	-12.6	-15.7	-20.4	-20.4	-20.4	-18.8	-18.8
25	-17.3	- 6.3	- 7.8	- 7.8	-15.7	-26.7	-23.6	-18.8	-15.7	-17.3	-22.0	-17.3	-17.3
26	1.6	3.2	1.6	- 4.7	-18.8	-22.0	-20.4	-15.7	-25.1	-18.8	-22.0	-17.3	-18.8
27	- 1.6	- 3.2	- 4.7	- 4.7	-17.3	-18.8	-18.8	-12.6	-17.3	- 9.4	-12.6	-14.1	-17.3
28	- 1.6	1.6	- 3.1	- 4.7	-17.3	-25.1	-25.1	-14.1	-15.7	-15.7	-15.7	-12.6	-14.1
29	- 6.3	- 4.7	- 9.4	- 6.3	-15.7	-22.0	-18.8	-11.0	-18.8	-12.6	-14.1	-12.6	-12.6
30	- 6.3	- 4.7	- 6.3	- 6.3	-11.0	-23.6	-23.6	-12.6	-12.6	- 9.4	-17.3	-11.0	-12.6
31													
Prom	- 5.4	- 2.1	- 5.9	- 7.1	-17.1	-22.0	-20.8	-16.7	-18.5	-15.4	-18.2	-18.0	-16.9
Var.	9.8	13.1	9.3	8.1	- 1.9	- 6.8	- 5.6	- 1.5	- 3.3	- 0.2	- 3.0	- 2.8	- 1.7

LÍNEAS LARGAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
2.3	3.5	- 2.5	- 7.4	- 2.5	- 1.2	1.2	1.2	- 2.5	1.2	- 3.7	1.1	0
- 5.0	- 6.2	- 6.2	-11.2	- 6.2	- 7.4	- 1.2	- 3.7	8.1	7.0	4.6	- 0.1	1
- 1.2	- 2.5	- 2.5	- 5.0	1.2	- 1.2	1.2	2.3	3.5	-	-	1.9	1
- 5.0	- 1.2	- 1.2	- 6.2	4.6	- 1.2	1.2	- 1.2	2.3	3.5	2.3	- 0.4	0
- 1.2	- 5.0	- 6.2	- 5.0	- 6.2	- 2.5	- 1.2	1.2	2.3	3.5	2.3	0.4	1
- 2.5	- 5.0	- 3.7	- 6.2	- 3.7	- 1.2	- 2.5	- 1.2	1.2	5.8	2.3	- 0.1	1
- 2.5	- 5.0	- 5.0	- 6.2	- 2.5	- 5.0	- 1.2	3.5	- 1.2	1.2	- 2.5	- 0.4	1
- 3.7	- 6.2	- 2.5	- 2.5	1.2	- 1.2	1.2	1.2	1.2	1.2	2.3	0.5	1
2.3	1.2	- 1.2	- 5.0	- 1.2	- 2.5	- 1.2	1.2	1.2	3.5	2.3	0.9	1
- 5.0	- 3.7	- 6.2	- 5.0	- 3.7	- 6.2	1.2	3.5	1.2	3.5	4.6	1.0	0
2.3	- 3.7	- 7.4	- 2.5	- 1.2	- 6.2	- 5.0	1.2	7.0	7.0	4.6	0.6	0
-	-	-	-	-	-	-	-	4.6	9.3	7.0	2.1	1
2.3	- 3.7	- 2.5	- 7.4	- 5.0	- 6.2	- 1.2	1.2	2.3	7.0	5.8	- 0.1	0
4.6	1.2	- 8.7	- 8.7	- 1.2	- 9.9	-17.4	- 6.2	- 2.5	-11.6	3.5	- 2.3	1
1.2	- 3.7	- 6.2	- 8.1	- 2.5	- 3.7	1.2	3.5	- 3.7	7.0	5.8	0.9	1
- 1.2	- 2.5	- 7.4	-12.4	- 8.7	- 7.8	- 6.2	- 1.2	1.2	2.4	1.2	- 1.5	1
10.4	2.3	- 1.2	4.6	- 2.5	-16.1	-32.5	-22.0	-17.5	- 2.5	-11.2	- 2.3	2
1.2	- 2.5	- 2.5	- 3.7	- 1.2	- 2.5	2.3	2.3	1.2	- 1.2	- 1.2	2.1	2
- 1.2	- 2.5	2.3	- 3.7	- 2.5	- 2.5	2.3	- 1.2	3.5	1.2	1.2	0.5	2
- 2.5	- 3.7	- 1.2	- 5.0	- 3.7	- 7.4	- 5.0	1.2	1.2	1.2	2.3	0.1	1
- 1.2	- 2.5	2.3	- 1.2	0.0	- 1.2	3.5	22.4	16.2	12.8	7.0	4.5	1
3.5	2.3	2.3	- 2.5	2.3	- 1.2	3.5	2.3	2.3	2.3	2.3	2.7	0
2.3	- 2.5	- 1.2	- 2.5	- 5.0	- 5.0	- 1.2	- 1.2	- 1.2	- 1.2	- 1.2	1.4	0
1.2	1.2	- 5.0	- 2.5	- 1.2	1.2	- 2.5	2.3	- 2.5	2.3	2.3	0.9	0
7.0	- 2.5	- 3.7	- 5.0	2.3	1.2	4.6	2.3	4.6	7.0	5.8	2.1	1
1.2	- 1.2	2.3	- 6.2	- 3.7	- 1.2	1.2	2.3	2.3	4.6	5.8	1.6	0
2.3	- 1.2	- 2.5	- 6.2	- 5.0	- 5.0	- 5.0	- 2.5	1.2	2.3	4.6	1.3	1
1.2	- 1.2	- 2.5	- 6.2	- 6.2	- 3.7	- 5.0	- 3.7	- 1.2	1.2	2.3	- 0.2	1
- 1.2	- 5.0	-13.6	-10.4	- 3.5	- 6.2	- 6.2	- 1.2	- 1.2	5.8	4.6	- 1.3	1
- 1.2	- 7.4	- 7.4	- 9.9	- 6.2	- 5.0	- 3.7	- 2.5	1.2	4.6	4.6	- 0.4	1
0.4	- 2.4	- 3.5	- 5.5	- 2.5	- 4.1	- 2.5	0.3	1.2	3.2	2.5	0.6	
- 0.2	- 3.0	- 4.1	- 6.1	- 3.1	- 4.7	- 3.1	- 0.3	0.6	2.6	1.9		

LÍNEAS LARGAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
-22.0	-26.7	-20.4	-23.6	-22.0	-25.1	-23.6	-20.4	-15.7	-11.0	-11.0	-18.4	2
-18.8	-23.6	-20.4	-26.7	-22.0	-23.6	-15.7	-18.8	-14.1	- 7.8	-11.0	-18.2	2
-28.3	-22.0	-20.4	-28.3	-25.1	-22.0	-22.0	-18.8	-20.4	-	-	-19.2	2
-18.8	-29.8	-17.3	-22.0	-22.0	-23.6	-18.8	-17.3	-17.3	- 6.3	- 7.8	-17.9	1
-15.7	-18.8	-18.8	-22.0	-17.3	-20.4	-18.8	-12.6	-14.1	- 9.4	- 9.4	-16.5	1
-18.8	-26.7	-15.7	-20.4	-23.6	-18.8	-18.8	-20.4	-17.3	- 9.4	- 9.4	-17.6	1
-20.4	-28.3	-23.6	-23.6	-20.4	-22.0	-23.6	-17.3	-18.8	- 6.3	- 9.4	-18.1	2
-20.4	-25.1	-15.7	-18.8	-17.3	-17.3	-18.8	-20.4	-15.7	- 9.4	- 7.8	-16.5	1
-17.3	-23.6	-26.7	-23.6	-23.6	-22.0	-25.1	-20.4	-17.3	- 6.3	- 9.4	-17.5	2
-18.8	-22.0	-17.3	-22.0	-20.4	-23.6	-18.8	-12.6	-18.8	- 6.3	-11.0	-14.9	2
-22.0	-23.6	-25.1	-23.6	-22.0	-20.4	-25.1	-14.1	-14.1	- 6.3	- 7.8	-16.0	2
-	-	-	-	-	-	-	-	-12.6	- 6.3	- 4.7	-13.7	2
-15.7	-23.6	- 9.4	-15.7	-17.3	-22.0	-18.8	-17.3	- 9.4	- 6.3	- 7.8	-13.9	1
- 7.8	-20.4	-11.0	-11.0	- 9.4	-15.7	-11.0	-11.0	- 7.8	- 3.1	- 1.6	-10.4	1
-20.4	-26.7	-15.7	-20.4	-18.8	-17.3	-18.8	-17.3	-11.0	- 6.3	- 6.3	-14.1	1
-17.3	-18.8	-20.4	-20.4	-25.1	-23.6	-15.7	-11.0	-14.1	- 4.7	- 7.8	-14.4	2
-22.0	-20.4	-18.8	-22.0	-18.8	-25.1	-22.0	-14.1	-18.8	- 9.4	- 9.4	-15.2	2
-14.1	-17.3	-17.3	-14.1	-17.3	-15.7	-15.7	-12.6	-11.0	- 3.1	- 3.1	-13.0	1
-15.7	-20.4	-12.6	-15.7	-15.7	-22.0	-15.7	-11.0	- 9.4	- 4.7	- 6.3	-13.1	1
-14.1	-23.6	-17.3	-20.4	-22.0	-18.8	-18.8	-15.7	- 7.8	- 6.3	- 4.7	-13.7	1
-17.3	-25.1	-12.6	-18.8	-17.3	-17.3	-17.3	-25.1	-28.3	-26.7	-12.6	-15.7	2
-12.6	-18.8	-14.1	-17.3	-17.3	-18.8	-12.6	-14.1	- 7.8	- 6.3	- 4.7	-14.9	2
-14.1	-17.3	-14.1	-18.8	-18.8	-17.3	-12.6	- 9.4	-11.0	- 3.1	- 4.7	-12.9	1
-22.0	-20.4	-18.8	-20.4	-20.4	-22.0	-22.0	-18.8	-23.6	- 6.3	- 7.8	-15.3	1
-18.8	-20.4	-18.8	-18.8	-18.8	-22.0	-18.8	-14.1	- 7.8	- 3.1	- 3.1	-15.8	1
-31.4	-22.0	-18.8	-15.7	-23.6	-14.1	-12.6	-12.6	- 7.8	- 6.3	- 3.1	-14.4	2
-14.1	-20.4	-15.7	-18.8	-20.4	-20.4	-14.1	-12.6	- 9.4	- 1.6	- 4.7	-12.7	1
-15.7	-20.4	-14.1	-15.7	-20.4	-20.4	-15.7	- 9.4	- 9.4	- 7.8	- 7.8	-13.3	1
-12.6	-14.1	-17.3	-18.8	-12.6	-14.1	-14.1	-14.1	- 9.4	- 4.7	- 3.1	-12.5	1
-11.0	-18.8	-15.7	-20.4	-15.7	-17.3	-11.0	-12.6	- 6.3	- 4.7	- 4.7	-12.3	1
-17.9	-22.0	-17.4	-19.9	-19.5	-20.1	-21.5	-15.4	-13.5	- 6.9	- 7.0	15.2	
- 2.7	- 6.8	- 2.2	- 4.7	- 4.3	- 4.9	- 6.3	- 0.2	1.7	8.3	8.2		

PRESIÓN ATMOSFERICA

en mm. de Hg. al nivel del Observatorio: 700 mm.+ ...

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	66.0	65.8	65.6	65.2	64.5	64.4	64.6	64.5	63.8	64.2	63.8	62.9	62.5	62.3	61.9
2	61.9	61.7	61.2	60.8	61.0	61.2	61.4	61.5	61.6	61.8	61.6	61.1	60.9	60.4	60.1
3	59.3	58.8	59.1	59.0	58.5	58.4	58.4	58.2	57.2	57.9	57.7	56.5	54.7	54.1	53.4
4	51.9	51.6	51.5	51.4	51.3	51.4	52.1	53.6	54.0	54.3	54.6	54.5	55.1	55.6	55.8
5	59.6	59.1	58.6	58.5	57.8	57.5	59.0	59.1	59.7	59.3	59.0	58.1	57.7	57.7	57.6
6	59.5	59.4	59.3	59.2	59.3	59.6	59.5	59.8	60.0	60.2	60.0	59.6	59.3	59.2	58.9
7	60.6	60.5	60.3	60.2	60.1	60.4	60.8	60.8	60.7	60.7	60.1	59.2	58.2	57.6	57.3
8	59.1	59.5	60.1	60.0	60.2	60.5	60.9	61.6	61.9	62.0	62.0	61.6	61.4	61.0	61.2
9	63.3	63.3	63.3	63.4	63.3	63.3	63.5	63.9	63.9	64.0	63.6	62.8	61.9	61.2	61.0
10	59.1	58.7	58.4	57.9	57.6	57.8	57.5	57.7	58.1	58.0	57.8	57.0	56.2	56.0	56.0
11	54.7	54.6	54.3	54.3	54.5	54.6	54.5	54.4	54.0	53.6	53.0	52.0	51.5	51.4	51.1
12	52.7	52.4	52.1	51.9	52.1	52.2	52.6	52.8	53.0	53.0	52.7	52.3	51.7	51.6	51.6
13	52.0	52.0	51.2	50.9	50.9	51.1	51.2	51.3	51.3	51.8	51.6	51.1	50.5	49.9	49.6
14	50.7	50.4	50.0	49.7	49.6	49.9	50.2	50.4	50.6	50.7	50.8	50.9	51.0	51.0	51.0
15	53.6	53.5	53.3	52.9	52.6	52.9	53.5	53.4	53.4	55.0	55.9	56.6	57.0	57.7	59.6
16	67.1	67.2	66.9	67.0	67.4	67.4	67.8	68.4	68.4	68.4	67.8	66.8	65.7	65.0	64.9
17	63.4	62.9	62.8	62.6	62.4	62.5	62.9	62.9	62.7	62.8	62.6	62.1	61.7	61.1	60.8
18	62.0	62.0	62.2	62.2	62.4	62.7	63.2	63.6	63.6	63.7	63.5	62.8	62.4	62.2	62.3
19	63.7	63.7	63.7	63.6	63.6	63.7	64.0	64.4	64.5	64.6	64.4	63.9	63.5	63.1	63.0
20	63.6	63.4	63.0	62.4	62.1	62.3	62.4	62.4	62.4	62.2	61.8	61.1	60.3	59.6	59.2
21	57.7	57.5	57.0	56.4	56.0	55.7	55.4	55.0	54.5	54.0	53.1	52.0	51.2	50.6	50.1
22	53.6	54.1	54.3	54.4	54.5	54.7	55.2	55.7	55.9	56.3	56.6	56.2	55.8	55.6	55.7
23	58.3	58.3	58.2	55.7	57.3	56.9	57.1	57.1	57.1	57.0	56.5	55.2	54.3	54.0	54.0
24	52.6	52.1	52.1	52.7	52.9	53.6	54.1	54.8	55.2	55.9	55.6	55.1	55.2	55.0	55.0
25	59.9	60.2	60.0	60.1	60.2	60.7	61.7	61.9	62.3	62.2	62.0	61.8	61.4	60.9	60.6
26	64.4	64.8	64.9	64.9	65.0	65.3	65.8	66.3	66.7	67.2	67.4	67.1	67.0	66.8	67.0
27	69.5	69.6	69.7	69.4	69.3	69.6	70.0	70.8	71.4	71.7	71.3	70.8	69.8	69.0	68.7
28	68.7	68.5	68.4	68.0	67.8	67.8	68.0	68.0	67.9	67.8	67.5	66.5	65.7	65.1	64.6
29	63.7	63.7	63.8	63.8	63.8	64.2	64.7	65.1	65.2	65.6	65.5	65.3	64.6	64.4	64.4
30	65.3	64.9	64.5	64.2	63.9	63.6	63.6	63.6	63.6	63.5	63.0	62.3	61.4	61.0	60.7
31															
Prom	59.9	59.8	59.7	59.5	59.4	59.5	59.8	60.1	60.2	60.3	60.1	59.5	59.0	58.7	58.6

TEMPERATURA DEL AIRE

a la sombra en grados C.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	8.8	8.3	8.4	8.4	7.8	7.9	7.9	8.0	9.2	12.2	14.2	15.8	16.9	17.9	18.2
2	11.3	10.2	9.9	10.0	10.1	9.7	9.7	9.8	9.9	11.9	14.2	16.2	17.3	18.1	18.0
3	9.9	10.0	10.2	10.3	10.4	10.5	10.6	10.7	11.5	14.3	16.6	18.6	19.3	20.2	20.2
4	14.3	14.1	14.2	13.9	13.8	13.7	13.8	13.9	13.6	14.3	15.5	16.6	16.5	16.2	15.7
5	8.6	8.7	8.8	8.8	8.9	9.0	9.1	8.9	9.1	9.3	11.7	13.3	13.6	14.2	13.6
6	2.6	2.1	2.3	2.2	2.5	2.8	3.1	3.6	6.3	10.2	12.2	13.9	14.4	14.6	14.4
7	5.7	5.9	5.9	5.9	6.0	6.1	6.2	6.4	10.1	13.2	14.4	15.5	16.5	16.6	16.3
8	9.6	8.8	8.7	8.2	7.2	6.9	6.8	6.8	8.0	10.2	12.4	14.7	15.7	16.6	16.8
9	8.4	7.6	6.9	5.7	5.4	4.8	5.2	8.0	10.9	13.4	15.1	15.5	16.0	16.2	16.2
10	14.8	14.7	14.7	14.6	14.6	14.6	14.6	14.6	14.4	14.6	15.2	15.0	16.8	17.4	17.5
11	14.5	14.4	14.3	14.3	14.3	14.6	14.7	15.3	16.3	18.5	20.7	22.7	23.0	22.7	22.6
12	17.3	17.6	17.8	17.6	17.8	17.7	17.9	18.6	19.7	22.3	23.5	24.4	26.0	26.2	26.2
13	21.8	21.7	21.7	21.7	21.9	21.8	21.8	21.7	22.6	25.0	26.1	27.0	27.2	27.2	27.0
14	21.9	21.6	21.9	22.2	22.5	22.3	22.4	22.4	22.6	24.1	25.7	26.6	27.1	27.3	27.3
15	20.7	20.7	20.3	19.6	19.7	19.7	19.4	18.6	19.7	17.3	14.0	13.5	13.3	14.0	15.7
16	6.1	5.5	5.4	5.6	5.8	4.8	3.4	3.6	6.9	10.5	13.8	14.5	14.8	14.8	14.7
17	11.7	12.1	12.3	12.3	12.4	12.5	12.5	12.6	13.0	14.7	16.6	18.7	19.5	19.7	20.1
18	16.2	15.9	15.9	15.2	14.8	14.7	14.8	14.8	15.2	17.8	19.9	21.5	22.8	23.5	23.3
19	14.8	14.3	13.9	14.0	13.8	13.8	13.4	13.8	15.1	17.4	19.0	20.1	21.4	22.2	21.9
20	16.0	16.0	16.0	16.1	16.1	16.2	15.9	15.8	16.3	18.7	20.5	21.4	22.3	23.2	23.4
21	16.2	16.3	16.2	16.0	16.1	16.2	16.3	16.6	17.2	17.7	18.8	21.0	21.1	21.2	21.0
22	15.0	15.0	14.4	13.6	12.9	12.3	11.8	11.7	11.8	12.2	13.6	15.1	16.7	18.0	18.7
23	7.6	7.9	8.0	8.2	8.4	8.7	9.0	9.6	11.5	11.4	11.6	12.6	13.1	14.6	16.4
24	13.7	13.5	13.3	13.5	13.7	13.3	13.3	13.3	13.4	12.8	13.2	14.8	16.8	17.3	17.9
25	6.3	5.6	4.7	3.9	2.9	2.3	2.0	2.1	2.3	2.8	3.7	4.5	4.9	7.8	7.7
26	4.9	3.8	2.5	1.7	0.8	0.2	0.0	- 0.1	0.8	3.2	5.5	6.8	7.8	8.6	8.4
27	- 2.1	- 2.1	- 2.1	- 2.4	- 2.9	- 3.1	- 3.5	- 3.3	- 1.1	1.4	4.6	7.3	9.2	10.0	10.2
28	0.3	0.5	0.8	1.0	1.3	1.4	1.6	1.8	4.0	8.6	9.8	10.6	11.7	12.6	12.5
29	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9	6.9	9.0	10.0	9.8	10.7	11.0	10.3
30	- 1.5	- 1.8	- 2.0	- 2.4	- 2.6	- 2.9	- 3.4	- 1.5	3.5	8.3	9.3	10.1	10.7	10.5	9.6
31															
Prom	10.7	10.4	10.3	10.1	10.0	9.9	9.8	10.1	11.4	13.2	14.7	15.9	16.8	17.4	17.4

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
62.3	62.6	62.2	62.3	62.2	62.3	62.3	62.1	61.9	66.6	0	61.8	15-16	4.8	763.4 mm.	1017.8 mb
60.0	59.9	59.5	59.1	59.2	59.2	59.3	59.3	59.4	61.9	0,1	59.1	19	2.8	60.6	1014.1
52.9	53.0	52.8	51.9	51.6	51.4	51.1	50.5	50.9	59.4	0	50.5	23	8.9	55.3	1007.0
56.2	56.8	57.3	58.1	58.4	58.6	59.6	59.8	59.9	59.9	24	50.9	0	9.0	55.1	1006.8
57.4	57.9	58.3	58.7	59.0	59.3	59.5	59.8	59.8	59.9	0	57.2	5-6	2.7	58.7	1011.6
59.1	59.2	59.4	59.4	59.8	59.9	60.2	60.5	60.5	60.6	23-24	58.9	15	1.7	59.6	1012.8
57.4	57.4	57.4	57.6	57.6	57.6	57.6	58.3	58.6	60.8	7,8	57.3	15	3.5	59.0	1012.0
61.5	61.9	62.4	62.8	63.0	62.8	62.9	62.9	63.2	63.2	24	58.6	0	4.6	61.5	1015.3
60.8	60.7	60.6	60.2	60.0	59.7	59.6	59.6	59.7	64.0	10	59.6	22,23	4.4	61.9	1015.8
55.7	55.7	55.5	55.0	54.7	55.0	55.2	55.2	55.0	59.7	0	54.7	20	5.0	56.7	1008.9
51.2	51.3	51.8	51.9	52.3	52.7	53.0	53.4	53.1	55.0	0	51.0	14-15	4.0	53.0	1004.0
51.7	51.6	51.7	51.8	52.2	52.1	52.2	51.9	51.8	53.1	0	51.5	14-15	1.6	52.2	1002.9
49.5	49.6	49.7	50.0	50.2	50.4	51.0	51.2	51.1	52.1	1-2	49.5	16	2.6	50.8	1001.0
51.3	51.7	52.1	52.6	52.9	52.9	53.4	53.6	53.8	53.8	24	49.6	5	4.2	51.3	1001.7
60.4	61.9	63.2	63.8	64.3	65.2	66.0	66.6	67.0	67.0	24	52.6	5	14.4	58.3	1011.0
64.7	64.8	65.0	65.0	65.0	64.8	64.6	64.5	64.1	68.5	9-10	64.1	24	4.4	66.2	1021.6
60.7	60.7	60.6	60.8	61.2	61.5	61.5	61.8	62.0	64.1	0	60.6	18	3.5	62.0	1016.0
62.4	62.6	63.0	63.1	63.2	63.4	63.6	63.6	63.5	63.7	10	61.9	1-2	1.8	62.9	1017.2
62.9	62.9	62.9	63.1	63.2	63.3	63.3	63.4	63.6	64.6	10	62.9	16,17,18	1.7	63.6	1018.1
58.6	58.3	58.3	58.1	58.2	58.2	58.3	58.2	57.8	63.7	0-1	57.8	24	5.9	60.5	1014.0
49.6	48.6	49.0	49.1	52.0	53.5	52.0	53.0	53.2	57.8	0	48.6	17	9.2	53.2	1004.2
55.6	56.3	56.9	57.6	57.7	57.8	57.9	58.3	58.4	58.4	24	53.2	0	5.2	56.0	1008.0
54.0	53.1	53.0	53.0	53.2	53.5	53.4	53.0	52.9	58.4	0	52.9	24	5.5	55.3	1007.0
55.4	55.9	56.3	57.0	57.6	58.2	59.1	59.5	59.6	59.6	24	51.8	2-3	7.8	55.4	1007.2
60.5	60.7	61.4	62.3	63.0	63.4	63.5	63.9	64.2	64.2	24	59.6	0	4.6	61.6	1015.4
67.3	67.6	68.2	68.8	69.2	69.5	69.9	69.8	69.5	69.9	22	64.2	0	5.7	67.1	1022.8
68.7	68.9	68.9	68.6	68.5	69.0	69.2	69.0	68.8	71.7	10	68.5	20	3.2	69.6	1026.1
64.5	64.6	64.6	64.4	64.2	64.0	64.0	64.1	63.6	68.8	0	63.6	24	5.2	66.2	1021.6
64.7	64.9	65.2	65.4	65.6	65.6	65.5	65.4	65.3	65.6	10,20,21	63.6	0	2.0	64.8	1019.7
60.7	60.7	60.6	60.7	60.9	60.8	61.1	61.3	61.2	65.3	0,1	60.5	17-18	4.8	62.4	1016.5
58.6	58.7	58.9	59.1	59.3	59.5	59.7	59.8	59.8	62.0		57.2		4.8	59.5	1012.6

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
17.8	15.5	12.8	12.3	11.8	11.3	11.2	11.2	11.3	18.2	15	7.8	5	10.4	11.9
17.6	16.3	13.3	12.1	11.7	10.0	9.6	9.7	9.8	18.1	14	9.6	22	8.5	12.4
19.4	17.5	15.7	15.5	15.4	15.3	15.3	15.4	15.5	20.2	14,15	9.8	0	10.4	14.5
15.1	13.8	12.1	11.5	10.8	10.4	10.1	9.6	9.0	16.6	12	9.0	24	7.6	13.4
13.1	11.1	8.5	7.0	4.8	4.2	4.0	2.9	2.9	14.2	14	2.9	23,24	11.3	8.9
13.9	11.6	9.0	8.1	6.8	5.5	5.8	5.5	5.6	14.6	14	2.1	2	12.5	7.5
15.4	12.8	11.7	11.6	11.5	11.5	11.3	11.3	10.2	16.6	14	5.6	0	11.0	10.8
16.1	13.1	10.5	9.1	8.7	8.8	9.0	9.1	8.8	16.8	15	6.8	7,8	10.0	10.4
15.7	15.0	14.4	14.5	14.6	14.8	14.9	14.9	14.8	16.2	14,15	4.8	6	11.4	12.0
17.7	17.5	17.5	16.6	15.8	15.0	15.0	14.2	14.2	17.7	16	14.2	23,24	3.5	15.5
22.3	21.4	20.1	19.0	18.0	17.7	17.6	17.4	17.4	23.0	13	14.2	0	8.8	18.1
25.5	23.9	23.1	22.3	21.6	21.5	21.8	21.8	21.8	26.2	14,15	17.3	1	8.9	21.4
26.2	24.9	24.3	23.9	23.2	22.7	22.5	22.3	22.1	27.2	13,14	21.7	varios	5.5	23.7
26.4	25.3	24.6	24.2	23.4	22.9	22.4	21.9	21.3	27.3	14,15	21.3	24	6.0	23.8
15.3	14.0	12.8	11.2	9.6	8.5	7.3	7.5	7.1	21.3	0	7.1	24	14.2	15.0
16.3	13.1	11.1	10.9	11.2	11.2	11.2	11.3	11.4	14.8	13,14	3.4	7	11.4	9.9
19.7	19.3	18.2	17.8	17.6	16.2	16.3	16.3	16.3	20.1	15	11.4	0	8.7	15.8
22.8	20.5	19.1	17.9	17.4	17.1	16.3	16.2	16.1	23.5	14	14.7	6	8.8	17.9
21.2	19.2	18.2	16.8	16.2	15.5	15.6	15.7	15.7	22.2	14	13.4	7	8.8	16.8
22.2	19.8	18.3	17.6	17.2	17.0	17.0	16.5	16.5	23.4	15	15.7	0	7.7	18.2
20.9	20.7	20.5	20.4	18.3	15.6	15.4	15.4	15.3	21.2	14	15.3	24	5.9	17.9
19.0	15.8	12.1	9.9	9.3	8.1	8.3	8.5	7.9	19.0	16	7.9	24	11.1	13.0
16.4	15.7	15.5	16.0	15.8	15.3	15.4	15.1	14.3	16.4	15,16	7.6	1	8.8	12.4
17.3	15.3	13.5	12.2	11.4	10.5	9.3	7.9	7.0	17.9	15	7.0	24	10.9	13.3
7.5	7.4	7.1	6.8	6.6	6.5	6.0	5.6	5.5	7.8	14	2.0	7	5.8	5.1
8.1	6.5	3.4	1.3	0.2	- 0.6	- 0.9	- 1.3	- 1.7	8.6	14	- 1.7	24	10.3	2.9
9.7	8.4	4.6	2.1	1.6	1.7	1.5	0.0	0.2	10.2	15	- 3.5	7	13.7	2.1
12.1	10.3	7.3	6.3	5.8	5.5	4.3	4.0	4.1	12.6	14	0.2	0	12.4	5.8
9.9	8.3	6.9	3.9	2.8	3.4	2.2	0.1	- 0.7	11.0	14	- 0.7	24	11.7	5.9
9.4	6.4	4.3	2.7	3.2	3.5	4.0	4.0	3.5	10.7	13	- 3.4	7	14.1	3.5
17.0	15.4	13.7	12.7	12.1	11.6	11.3	11.0	10.8	17.8		8.1		9.7	12.7

HUMEDAD RELATIVA en %

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	86	89	90	91	93	92	92	91	82	68	61	54	51	51	51
2	84	89	90	89	90	92	91	91	87	80	70	66	63	63	62
3	96	95	93	94	95	94	94	93	86	76	67	64	62	59	61
4	82	81	81	85	86	88	88	83	85	82	77	56	47	34	38
5	80	80	78	76	66	66	72	78	76	71	52	43	43	41	46
6	89	90	85	84	82	78	76	70	64	47	42	39	36	35	34
7	71	75	79	82	82	88	91	88	68	55	46	39	35	32	35
8	61	64	64	68	71	74	76	75	69	56	55	45	44	44	43
9	76	83	89	90	89	88	87	86	75	63	59	55	57	62	64
10	80	88	91	91	92	93	95	93	92	93	94	96	96	96	95
11	97	96	96	96	95	94	94	93	87	80	71	63	59	64	65
12	87	83	80	84	85	88	88	84	78	70	65	64	63	63	63
13	76	76	75	74	72	72	73	73	71	63	59	58	57	59	61
14	78	78	76	72	69	70	72	71	71	66	62	60	58	58	60
15	84	84	83	87	84	84	86	90	82	81	89	97	94	86	75
16	92	95	95	92	90	90	91	90	84	71	57	53	49	50	52
17	72	73	76	79	81	82	86	87	87	85	80	76	75	76	75
18	87	90	92	93	95	94	90	87	81	72	66	56	53	52	52
19	79	83	88	90	89	88	89	82	77	68	63	60	56	56	62
20	75	74	72	71	74	75	78	75	71	62	59	58	56	56	57
21	91	91	92	92	92	90	90	85	83	79	75	71	68	69	69
22	95	94	93	93	94	94	95	95	95	93	85	80	70	65	62
23	100	100	100	100	100	100	100	100	99	98	98	97	96	92	84
24	95	96	97	97	97	97	97	93	92	91	88	81	73	65	58
25	61	61	65	65	71	76	80	85	85	85	85	84	81	75	74
26	78	80	84	85	88	91	90	85	74	57	46	43	43	40	40
27	96	96	95	94	94	93	93	92	93	90	73	57	41	41	35
28	88	88	86	86	86	87	90	93	90	59	68	52	50	51	51
29	90	89	89	87	88	89	90	90	85	79	69	65	62	59	61
30	99	99	99	98	98	98	97	97	98	71	54	52	51	54	57
31															
Prom.	84	85	86	86	86	87	88	86	82	74	68	63	60	58	58

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	7.4	7.8	7.2	7.6	7.2	7.2	7.2	7.2	7.0	7.0	7.4	7.0	7.4	7.9	8.0
2	8.0	8.0	7.8	8.0	8.0	8.0	8.0	8.2	7.8	7.8	8.0	9.0	9.0	9.8	9.5
3	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.9	9.0	9.0	9.5	10.0	10.5	10.5	11.0
4	10.0	10.0	10.0	9.5	10.0	10.0	10.0	9.8	9.5	10.0	10.0	8.0	6.6	4.7	5.0
5	6.4	6.4	6.4	6.4	5.6	5.8	6.2	6.7	6.6	6.2	5.4	4.8	4.8	4.8	5.4
6	4.8	4.6	4.4	4.4	4.4	4.2	4.4	4.2	4.4	4.4	4.4	4.4	4.6	4.4	5.8
7	4.8	5.0	5.2	5.6	5.6	6.0	6.4	6.4	6.2	5.8	5.8	4.8	4.6	4.5	4.4
8	5.6	5.2	5.2	5.4	5.4	5.6	5.6	5.5	5.4	5.2	5.6	5.2	5.6	6.8	6.0
9	6.4	6.4	6.4	6.0	5.8	5.6	5.8	6.9	7.0	7.0	7.4	6.8	7.8	8.4	8.5
10	9.5	11.0	11.5	11.0	11.0	11.0	11.0	11.5	11.0	11.0	11.5	12.5	13.5	14.2	13.5
11	12.0	11.5	11.5	11.5	11.0	11.0	11.0	12.1	12.0	12.0	13.0	12.5	12.0	13.1	12.5
12	12.5	12.0	12.5	12.0	12.5	13.0	13.0	13.4	13.0	13.5	13.5	14.0	15.5	16.0	15.5
13	15.0	15.0	14.0	14.0	14.0	14.0	14.0	14.2	14.5	14.5	14.5	15.0	15.5	15.8	16.5
14	15.0	14.5	15.0	14.0	13.5	13.5	14.5	14.3	14.5	15.0	15.0	14.5	15.0	15.9	15.5
15	15.0	15.0	14.5	14.5	14.0	14.0	14.5	14.4	14.0	12.0	10.0	11.0	10.5	10.3	9.5
16	6.4	6.6	6.6	6.6	6.0	5.6	5.4	5.3	6.0	6.8	6.6	6.4	6.0	6.3	6.4
17	7.4	7.6	8.0	8.0	8.5	8.5	8.5	9.5	9.5	10.0	10.5	12.0	12.0	13.0	12.5
/18	12.0	11.5	12.0	12.0	11.5	11.5	10.5	10.8	10.5	10.5	12.0	11.0	11.5	11.0	12.0
19	9.5	10.0	10.0	10.5	10.0	10.0	10.0	9.6	10.0	11.5	10.0	10.0	10.0	11.2	11.0
20	9.5	9.5	9.5	9.5	9.5	9.5	10.0	10.1	10.0	10.0	10.0	10.5	11.5	11.9	11.0
21	12.5	12.5	12.5	12.5	12.5	12.0	12.0	12.0	12.0	12.5	12.5	13.5	12.5	12.8	12.5
22	11.5	11.5	11.0	10.5	10.0	9.5	9.5	9.8	9.5	9.5	9.5	9.5	9.5	10.3	10.0
23	7.6	7.6	7.8	7.8	7.8	8.0	8.0	8.9	9.5	9.5	9.5	10.5	10.5	11.4	11.5
24	10.5	11.0	11.0	11.0	11.0	11.0	11.0	10.6	10.5	10.0	10.0	10.0	11.0	9.5	8.5
25	4.4	4.2	4.0	3.6	4.0	4.0	4.0	4.6	4.4	4.6	4.8	5.2	5.2	5.9	5.6
26	4.8	4.6	4.4	4.4	3.8	4.4	4.4	4.0	3.4	3.2	3.2	3.0	3.2	3.4	3.0
27	3.6	3.6	3.4	3.4	3.4	3.2	3.2	3.2	3.8	4.4	4.6	4.4	3.6	3.7	3.0
28	4.2	4.2	4.4	4.4	4.6	4.6	4.6	4.9	5.2	4.8	6.0	5.0	4.8	5.6	3.6
29	5.4	5.4	5.4	5.4	5.6	5.6	5.6	5.9	6.0	6.6	6.2	5.6	6.0	5.8	5.8
30	4.0	3.8	3.8	3.6	3.6	3.6	3.4	3.6	3.4	5.8	4.6	4.8	5.0	5.1	5.0
31															
Prom.	8.5	8.5	8.5	8.4	8.3	8.3	8.3	8.5	8.5	8.7	8.7	8.7	8.8	9.1	8.9

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
58	71	81	79	80	82	83	87	85	93	5	50	14-15	43	77
68	83	89	94	95	96	97	97	97	97	22,23,24	62	15	35	84
72	76	82	82	78	80	80	78	78	97	0	59	14	38	81
47	51	54	58	65	66	67	74	80	88	6,7	34	14	54	69
52	61	70	74	82	83	87	87	88	88	24	41	14	47	69
38	47	57	58	62	68	64	69	69	90	2	34	15	56	62
41	51	54	51	47	47	49	50	57	91	7	32	14	59	59
51	64	80	87	81	77	71	72	73	87	19	43	15	44	65
65	70	77	77	76	76	75	76	80	90	4	54	12-13	36	75
96	95	95	97	97	98	98	98	98	98	varios	80	0,1	18	94
67	73	80	83	84	87	87	88	88	98	0	59	13	39	83
68	75	79	82	84	85	80	77	77	88	0,6,7	63	13,14,15	25	77
63	68	72	71	73	75	75	76	77	77	0,24	57	13	20	70
63	70	74	72	74	74	75	78	79	79	24	58	13,14	21	70
72	72	70	76	81	86	91	93	92	97	12	70	18	27	84
57	65	75	71	71	77	80	80	77	95	2,3	49	13	46	75
77	80	86	86	84	89	85	86	86	89	21	72	1	17	81
53	60	61	64	67	68	77	75	74	96	5-6	52	14,15	44	73
63	67	68	74	79	81	76	77	76	90	4	55	13-14	35	75
61	70	75	76	83	87	90	91	90	91	23	56	13,14	35	72
67	66	64	62	86	96	96	94	94	96	21,22	62	19	34	82
60	76	90	95	97	98	99	100	100	100	23,24	60	16	40	88
84	86	90	93	94	95	95	95	95	100	varios	84	15,16	16	96
54	62	69	70	71	70	78	67	63	97	varios	54	16	43	80
75	75	77	78	79	82	86	87	84	87	23	61	1,2	26	77
41	52	71	85	88	92	95	95	96	96	24	40	14,15	56	72
40	50	65	79	74	76	80	87	89	96	0,1,2	35	15	61	76
53	66	78	83	85	87	91	94	93	94	23	50	13	44	77
65	70	75	87	93	96	92	95	99	99	24	59	14	40	82
56	66	77	83	86	88	88	86	90	99	varios	51	13	48	81
61	68	74	78	80	82	83	84	84	93		55		38	77

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
8.5	9.5	9.0	8.0	8.3	7.6	8.5	9.0	8.0	9.5	17	7.0	9,10,12	2.5	7.8
10.0	11.0	10.0	9.5	9.8	8.5	8.5	8.5	8.5	11.0	17	7.8	3,9,10	3.2	8.7
12.0	11.5	10.5	10.5	10.2	10.0	10.0	10.0	10.0	12.0	16	8.5	varios	3.5	9.7
6.0	6 0	5.6	5.8	6.3	6.4	6.2	6.4	6.6	10.0	varios	4.7	14	5.3	7.8
5.8	6.2	5.6	5.4	5.3	5.0	5.4	4.8	4.8	6.7	8	4.8	varios	1.9	5.7
4.4	4.8	4.8	4.6	4.6	4.4	4.2	4.4	4.4	5.8	15	4.2	6,8,22	1.6	4.5
5.4	5.8	5.4	5.2	4.8	4.8	4.8	4.6	5.2	6.4	7,8	4.4	15	2.0	5.3
7.2	7.0	7.2	7.6	6.8	6.4	6.2	6.2	6.0	7.6	19	5.2	varios	2.4	6.0
8.0	8.5	9.0	9.5	9.4	9.5	9.0	9.5	9.5	9.5	varios	5.6	6	3.9	7.7
14.5	13.5	13.5	13.5	12.9	12.0	12.0	12.0	12.0	14.5	14	9.5	1	5.0	12.1
12.0	14.5	13.5	13.5	12.9	13.0	13.0	12.5	12.5	14.5	17	11.0	5,6,7	3.5	12.3
16.0	15.5	16.0	16.5	16.1	15.5	15.0	15.0	15.0	16.5	19	12.0	2,4	4.5	14.3
15.5	15.5	16.0	15.5	15.4	14.5	14.5	15.5	15.0	16.5	15	14.0	varios	2.5	14.9
16.0	16.0	16.5	16.0	16.0	15.0	14.5	15.0	14.5	16.5	18	13.5	5,6	3.0	15.0
9.0	8.5	7.4	7.6	7.4	7.2	7.0	7.0	7.0	15.0	1,2	7.0	22,23,24	8.0	10.9
7.8	7.0	7.0	7.0	7.2	7.6	7.6	7.6	7.6	7.8	16	5.3	8	2.5	6.6
13.0	12.5	13.5	13.0	12.6	12.0	11.5	12.0	12.0	13.5	18	7.4	1	6.1	10.7
10.5	10.0	9.5	9.5	9.8	9.5	10.5	10.5	10.5	12.0	varios	9.5	18,19,21	2.5	10.8
11.5	11.0	9.5	9.5	10.8	10.0	10.0	10.0	10.0	11.5	10,16	9.5	1,18,19	2.0	10.2
11.5	11.5	10.5	10.5	12.1	12.0	12.5	12.5	12.0	12.5	22,23	9.5	varios	3.0	10.7
12.0	12.0	11.0	10.0	13.5	12.5	12.5	12.0	12.0	13.5	12,20	10.0	19	3.5	12.3
8.5	10.0	9.0	8.0	8.5	7.0	7.8	8.0	7.6	11.5	1,2	7.0	21	4.5	9.4
11.5	11.5	12.0	12.5	12.6	12.0	12.0	11.5	11.0	12.6	20	7.6	1,2	5.0	10.4
7.6	7.0	7.2	6.6	7.1	6.4	6.8	5.2	4.6	11.0	varios	4.6	24	6.4	9.0
5.6	5.6	5.6	5.2	5.8	5.8	6.0	5.8	5.4	6.0	22	3.6	4	2.4	5.0
3.4	3.8	4.2	4.0	4.4	4.0	3.8	3.8	3.8	4.8	1	3.0	12,15	1.8	3.8
3.4	3.8	4.8	4.4	3.8	4.4	4.6	4.2	4.2	4.8	18	3.0	16	1.8	3.8
5.4	6.2	5.8	6.2	5.9	5.8	5.6	5.6	5.6	6.2	17,19	3.6	15	2.6	5.1
5.6	5.4	5.2	5.0	5.3	5.6	4.8	4.2	4.2	6.6	10	4.2	23,24	2.4	5.5
5.0	4.8	4.8	4.4	5.0	5.0	5.2	5.2	5.0	5.8	10	3.4	7,9	2.4	4.5
9.1	9.2	9.0	8.8	9.0	8.6	8.7	8.6	8.5	10.4		7.0		3.4	8.7

VIENTO: DIRECCIÓN Y VELOCIDAD; PREVALENCIAS

HORAS	0 – 1		1 – 2		2 – 3		3 – 4		4 – 5		5 – 6		6 – 7		7 – 8		8 – 9		9 – 10		10 – 11		11 – 12		12 – 13		13 – 14		14 – 15	
DÍAS	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.
1	NE	14	N	15	N	12	NE	10	NE	9	NE	13	NE	10	NE	14	NE	17	N	27	N	16	N	25	N	23	N	21	N	17
2	N	14	NW	8	NW	9	NW	11	NW	8	NW	7	NW	8	NW	7	NW	9	NW	11	NW	10	NW	13	NW	9	NW	7	NW	6
3	NE	6	NE	8	N	8	N	6	N	5	NE	10	NE	9	NE	9	NE	13	N	15	N	13	N	14	N	21	N	23	N	21
4	N	11	N	10	N	14	N	12	N	17	N	16	N	15	NW	16	W	12	W	6	W	9	S	14	S	14	S	12	S	8
5	Calma	1	SW	5	SW	3	SW	4	S	5	S	4	Calma	0	Calma	0	W	2	Calma	0	SW	6	SW	13	SW	12	SW	8	SW	12
6	W	4	W	6	W	5	W	6	W	8	W	7	W	9	W	11	W	14	W	14	W	16	W	16	W	18	W	18	W	15
7	NW	13	NW	14	NW	14	NW	12	NW	14	NW	12	NW	15	NW	12	NW	21	NW	25	NW	30	NW	40	NW	36	NW	37	NW	38
8	NW	20	NW	20	NW	17	NW	15	NW	17	NW	13	NW	16	NW	11	NW	14	NW	18	NW	18	NW	20	NW	17	NW	15	NW	13
9	N	8	N	4	Calma	0	Calma	0	Calma	1	Calma	1	NE	3	NE	3	NE	4	NE	9	NE	10	NE	11	NE	11	NE	11	NE	10
10	NE	12	NE	14	NE	10	NE	13	NE	15	NE	13	NE	13	NE	14	NE	18	NE	13	NE	11	NE	9	NE	11	NE	13	NE	10
11	NE	14	NE	12	NE	8	NE	7	NE	10	NE	5	NE	4	NE	5	NE	13	NE	17	NE	16	NE	17	NE	21	NE	23	NE	25
12	NE	17	NE	21	NE	26	NE	19	NE	18	NE	13	NE	13	NE	16	N	22	NW	21	NW	27	NW	26	NW	24	NW	19	N	20
13	NE	38	N	39	NE	35	NE	32	N	35	NE	32	NE	36	NE	36	N	39	N	43	N	41	NW	43	NW	39	NW	33	NE	31
14	NE	31	NE	32	NE	38	N	39	N	42	N	45	NW	37	NW	46	NW	48	NW	46	NW	44	NW	43	NW	38	NW	31	NW	21
15	NE	3	NE	6	NE	6	NE	6	N	10	N	13	N	8	W	2	NW	4	W	16	S	12	SE	9	SE	14	SE	11	SE	10
16	SW	5	SW	2	SW	4	SW	5	SW	8	Calma	1	Calma	0	Calma	0	Calma	0	Calma	0	E	5	E	14	E	15	E	16	E	17
17	NE	16	NE	21	NE	19	NE	8	NE	8	N	15	N	11	NE	10	NE	13	NE	16	N	16	N	12	N	8	NE	6	NE	9
18	NE	14	NE	13	NE	12	NE	13	NE	11	NE	10	NE	13	NE	14	NE	16	NE	20	N	19	NW	16	NW	21	NW	20	NW	19
19	NE	9	NE	6	NE	6	NE	8	NE	6	NE	8	NE	7	NE	5	NE	9	NE	10	NE	12	NE	12	NE	12	NE	11	E	10
20	NE	11	NE	12	N	10	N	10	NE	8	NE	11	NE	7	NE	9	NE	10	NE	15	NE	19	NE	14	NE	12	NE	9	NE	8
21	NE	14	NE	12	NE	13	NE	12	NE	14	NE	14	NE	15	NE	18	NE	20	NE	20	NE	20	NE	20	NE	26	NE	22	NE	23
22	NE	6	W	7	SW	5	SW	4	SW	4	SW	10	SW	7	SW	6	SW	8	SW	8	S	3	S	2	S	3	S	4	S	3
23	NE	2	Calma	1	Calma	0	Calma	0	Calma	1	NE	5	NE	8	NE	6	NE	5	NE	15	NE	17	NE	18	NE	20	NE	14	N	5
24	SW	3	SW	2	SW	10	SW	5	SW	3	SW	2	SW	4	SW	3	Calma	1	Calma	1	SW	3	SW	3	SW	3	Calma	1	SW	4
25	SW	13	SW	11	SW	11	SW	10	SW	12	SW	10	SW	7	SW	3	SW	8	SW	10	SW	13	SW	12	SW	14	SW	15	SW	15
26	SW	12	SW	11	SW	10	SW	8	SW	7	SW	7	SW	5	SW	6	SW	12	SW	10	SW	9	W	10	W	10	W	11	W	8
27	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	NE	4	N	10	N	11	N	10
28	NW	3	NW	4	NW	3	NW	8	NW	6	NW	6	NW	5	NW	5	NW	7	NW	14	NW	15	NW	16	NW	18	NW	16	NW	14
29	W	9	W	10	W	6	SW	4	SW	3	SW	6	SW	6	SW	6	SW	7	SW	10	SW	13	SW	12	SW	12	SW	11	SW	11
30	SW	3	SW	3	SW	2	SW	3	Calma	0	Calma	0	Calma	0	Calma	1	Calma	0	NE	3	N	7	N	9	NW	9	NW	11	NW	12
31																														
DIRECCIÓN PREVALENTE	NE		NE		NE		NE		NE		NE		NE		NE		NE		NE		NE		NE-NW		NW		NW		NE-NW	
NÚMERO DE HORAS	15		11		10		10		9		11		12		13		11		10		7		8		9		9		7	
PROM. HOR. DE LA VELOCIDAD		10		10		10		9		10		10		9		9		12		14		15		16		16		15		14

15 – 16		16 – 17		17 – 18		18 – 19		19 – 20		20 – 21		21 – 22		22 – 23		23 – 24		PREVALENCIA DIARIA		PROMEDIO DIARIO DE VELOCIDAD	VELOCIDAD INSTANTÁNEA		
DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIRECCIÓN	NÚMERO DE HORAS		VELOCIDAD	DIRECCIÓN	HORA
N	13	NE	7	NE	3	NE	7	NE	6	NE	6	NE	9	N	15	N	15	NE	13	14	39	NW	12.07
NW	4	Calma	1	Calma	1	NE	6	NE	2	Calma	0	E	2	NE	2	NE	6	NW	15	7	21	NW	0.08
NE	15	NE	8	NE	6	NE	10	NE	18	NE	16	NE	17	N	25	N	29	NE	13	14	35	N	23.36
SW	4	SW	6	SW	5	SW	6	SW	6	SW	6	SW	5	SW	2	Calma	0	SW	8	9	33	S	12.34
SW	5	W	6	W	6	W	6	W	5	W	3	W	4	W	3	W	7	SW W	9	5	27	SW	12.47
W	12	W	10	NW	11	W	11	NW	11	NW	7	NW	12	NW	11	NW	11	W	18	11	38	W	13.18
NW	31	NW	17	NW	16	NW	19	NW	22	NW	19	NW	24	NW	28	NW	27	NW	24	22	58	NW	11.25
NW	8	N	3	Calma	0	Calma	0	NE	4	NE	5	NE	6	NE	10	N	8	NW	16	12	29	NW	0.04
NE	11	NE	12	NE	10	NE	13	NE	14	NE	17	NE	21	NE	21	NE	14	NE	18	9	25	NE	22.03
NE	8	NE	4	NE	10	NE	8	NE	11	NE	7	NE	9	NE	7	NE	12	NE	24	11	21	NE	4.42
NE	19	NE	15	NE	13	NE	18	NE	18	NE	18	NE	16	NE	12	NE	16	NE	24	14	39	NE	12.48
NE	15	NE	15	NE	16	NE	17	NE	17	NE	19	NE	28	NE	35	NE	34	NE	17	21	45	NE	22.26
NE	27	NE	23	NE	32	NE	37	NE	38	NE	40	N	33	NE	29	NE	28	NE	15	35	63	NW	10.48
NW	19	NW	10	NE	7	NE	8	W	6	NW	12	NW	12	NW	6	NW	2	NW	15	28	70	N	4.49
SE	12	SE	11	SE	11	SE	7	S	4	S	3	SW	4	SW	7	SW	5	SE	8	8	31	W	9.35
NE	13	NE	4	NE	4	NE	8	NE	11	NE	10	NE	10	NE	13	NE	13	NW	9	7	20	NE	14.53
NE	11	NE	11	NE	9	NE	12	NE	15	NE	10	NE	15	NE	14	NE	14	NE	19	12	30	NE	2.20
NE	13	NE	9	NE	9	NE	9	NE	10	NE	9	NE	10	NE	12	NE	12	NE	19	14	32	NE	9.50
E	8	E	8	E	9	E	7	E	10	NE	10	NE	9	NE	11	NE	10	NE	18	9	15	N	12.00
E	8	E	6	E	7	E	8	E	10	NE	13	NE	14	NE	12	NE	15	NE	17	11	22	N	11.00
NE	26	NE	27	NE	30	NE	27	N	27	SW	15	E	11	E	12	NE	13	NE	20	19	42	W	19.49
S	2	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	NE	3	Calma	0	SW	8	4	17	W	1.20
Calma	0	SE	2	E	3	NE	9	NE	3	Calma	0	Calma	0	SW	4	SW	2	NE	12	6	26	N	12.52
SW	7	SW	7	SW	9	SW	8	SW	7	SW	8	SW	13	SW	15	SW	18	SW	21	6	31	SW	22.56
SW	16	SW	19	SW	12	SW	9	SW	7	SW	8	SW	12	SW	11	SW	13	SW	24	11	35	SW	16.10
SW	7	SW	3	Calma	1	Calma	0	Calma	1	Calma	1	W	3	Calma	1	Calma	1	SW	13	6	20	SW	11.24
N	9	NE	2	Calma	0	Calma	0	NE	2	NW	5	NW	2	NW	4	NW	4	Calma	13	3	14	N	13.00
NW	12	NW	9	NW	5	NW	7	NW	10	NW	10	NW	11	NW	10	NW	10	NW	24	9	27	NW	11.15
SW	10	SW	4	SW	4	SW	2	SW	2	SW	4	SW	5	SW	3	Calma	1	SW	20	7	27	SW	11.41
NW	11	NW	6	Calma	1	NE	2	NE	5	NE	5	NE	6	NE	6	NE	5	NE	7	4	15	N	13.59
NE		NE		NE		NE		NE		NE		NE		NE		NE		PREVALENCIA MENSUAL		VELOCIDAD MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		Dirección	Horas		48 Km.		
10		12		12		15		15		14		13		14		13		NE	267	12	DIRECCIÓN	DÍA	HORA
	11		8		8		9		10		9		10		11		11				NW	14	de 8.00 a 8.10

FRECUENCIAS, KILÓMETROS RECORRIDOS Y VELOCIDAD MEDIA POR DIRECCIÓN

DÍAS	NORTE		NORESTE		ESTE		SUDESTE		SUD		SUDOESTE		OESTE		NOROESTE		Calma	TOTALES DIARIOS DE KILÓMETROS
	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	
1	11	199	13	125														324
2	1	14	4	16	1	2									15	127	3	161
3	11	180	13	145														325
4	7	95							4	48	8	40	3	27	1	16	1	226
5									2	9	9	68	9	42			4	120
6													18	200	6	63		263
7															24	536		536
8	2	11	4	25											16	252	2	288
9	2	12	18	205													4	219
10			24	265														265
11			24	342														342
12	2	42	17	339											5	117		498
13	6	230	15	494											3	115		839
14	3	126	5	116									1	6	15	415		663
15	3	31	4	21			8	85	3	19	3	16	2	18	1	4		194
16			9	86	5	67					5	24					5	178
17	5	62	19	237														299
18	1	19	19	229											4	76		324
19			18	161	6	52												213
20	2	20	17	199	5	39												258
21	1	27	20	386	2	23					1	15						451
22			2	9					6	17	8	52	1	7			7	85
23	1	5	12	122	1	3	1	2			2	6					7	140
24											21	137					3	140
25											24	271						271
26											13	107	5	42			6	154
27	4	40	3	8											4	15	13	63
28															24	224		224
29											20	135	3	25			1	161
30	2	16	7	32							4	11			5	49	6	110
31																		
SUMAS	64	1129	267	3562	20	186	9	87	15	93	118	882	42	367	123	2009	62	8334
% PREVAL POR VELOCIDAD	13.6		42.7		2.2		1.0		1.1		10.6		4.4		24.1		0.2	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	17		13		9		10		6		7		9		16		0	278

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	3	15				5	2	3	2
1 - 2	4	11				6	3	4	2
2 - 3	4	10				7	2	4	3
3 - 4	4	10				8	1	4	3
4 - 5	5	9			1	6	1	4	4
5 - 6	4	11			1	5	1	4	4
6 - 7	3	12				5	1	5	4
7 - 8		13				5	2	6	4
8 - 9	2	11				4	3	6	4
9 - 10	3	10				4	3	6	4
10 - 11	6	7	1		2	5	2	6	1
11 - 12	4	8	1	1	2	4	2	8	
12 - 13	4	7	1	1	2	4	2	9	
13 - 14	3	8	1	1	2	3	2	9	1
14 - 15	5	7	2	1	2	4	2	7	
15 - 16	2	10	2	1	1	6	1	6	1
16 - 17	1	12	2	2		5	2	4	2
17 - 18		12	3	1		4	1	3	6
18 - 19		15	2	1		4	2	2	4
19 - 20	1	15	2		1	4	2	3	2
20 - 21		14			1	5	1	5	4
21 - 22	1	13	2			5	2	5	2
22 - 23	2	14	1			6	1	5	1
23 - 24	3	13				4	1	5	4
SUMAS	64	267	20	9	15	118	42	123	62
% de frec. por dirección	8.9	37.1	2.8	1.2	2.1	16.4	5.8	17.1	8.6

NUBES. VISIBILIDAD

DÍAS	N U B E S										VISIBILIDAD		
	8h		12h		14h		18h		20h		8h	14h	20h
	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	90 - 99		
1	Ci	8	Ci	6	Ci	8	Cs	8	Ci	6	97	97	97
2	Cs	8	Ci	7	Cs	8	Cs	8	Claro	0	6	7	5
3	Claro	0	Claro	0	Cu 2 Ci 2	4	Cs	8	Ci	8	8	8	7
4	Fs Fc	6	Sc	8	Ci	6	Ci	6	Ac	7	6	8	8
5	St	8	Ac	6	Ac	7	As 4 Ci 2	6	Claro	0	7	8	8
6	Cs	1	Ci	3	Ci	1	Claro	0	Claro	0	8	8	9
7	Ci	7	Ci	6	Claro	0	Ci	3	Ci	1	8	6	7
8	Cs	7	Cs	7	Claro	0	Cs	3	Claro	0	8	7	6
9	Ci	5	Ci	7	Ci	8	Ac 7 Ci 1	8	Sc	6	4	7	7
10	St	8	Fs	8	Fs	8	St	8	Fs 1 As 1	2	7	7	8
11	Cu	2	Claro	0	Ac	1	Ac	1	Cs	7	7	8	7
12	Claro	0	Ci 2 Cu 3	5	Cu	1	Claro	0	Ci	1	9	7	8
13	Ci 5 Cu 2	7	Ci	5	Cs	6	Ci	3	Cs	7	7	7	7
14	As	8	Cs	5	Claro	0	Sc	8	Sc 4 Cb 3	7	8	8	9
15	Cu	2	St	8	Fs	4	Fc	2	Ci	1	6	8	8
16	Claro	0	Claro	0	Ci	1	Ci	4	Ci	7	6	8	7
17	St	8	St	6	St	7	Sc	6	Claro	0	8	6	8
18	As 1 Cs 7	8	Ac	1	Ci	6	Ci	6	Ci	5	8	7	8
19	Claro	0	Ac	6	Ac	3	Claro	0	Claro	0	7	6	7
20	Sc	6	Claro	0	Claro	0	Claro	0	Claro	0	8	7	7
21	Ac	7	Ac	8	Ac	6	Sc	6	Ns	8	7	7	0
22	Ac	8	As	7	Claro	0	Claro	0	Claro	0	8	8	8
23	Niebla	8	Niebla	8	Sc	8	Sc	8	St	8	0	6	4
24	Fs	8	Fs 6 Ci 1	7	Ci	8	Ci	7	Claro	0	6	7	7
25	As 6 Cs 2	8	As	8	Sc	7	Sc	7	Claro	0	7	8	8
26	Claro	0	Claro	0	Claro	0	Ci	4	Claro	0	9	9	9
27	Ci	3	Ci	5	Ci	1	Ci	1	Claro	0	7	7	8
28	Ci	1	Ci	3	Ci	1	Claro	0	Claro	0	5	8	8
29	Ac	1	Cu	1	Cu	2	Sc	7	Claro	0	8	8	9
30	Claro	0	Cs	4	Cs	8	Cs	3	Ci	1	5	6	8
31													
Prom.		5		5		4		4		3			

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9	28.1	13.6	1.18	3	5	5	
	10	33.5	17.0	1.34	2	5	5	
1	12	35.6	20.0	1.27	2	5	5	
	14	35.3	20.6	1.20	8	4	5	
	15	26.3	19.6	0.54	8	3	5	
	9	16.6	11.7	0.40	8	1	4	
	10	20.5	14.0	0.53	8	0	4	
2	12	36.1	20.3	1.28	3	5	5	
	14	31.1	20.1	0.88	8	2	5	
	15	27.5	19.1	0.68	8	3	5	
	9	30.2	16.1	1.15	1	5	4	
	10	32.3	18.5	1.12	3	4	4	B.
3	12	39.4	23.1	1.13	3	4	4	
	14	39.1	23.3	1.24	2	5	4	
	15	25.0	19.1	0.48	6	1	4	
	9				8	0	3	Am.
	10	23.5	16.5	0.57	8	0	4	
4	12	38.0	21.2	1.36	4	5	5	
	14	31.8	18.6	1.07	6	4	5	
	15	21.7	15.6	0.50	6	0	5	
	9				8	0	4	Am.
	10				8	0	4	Am.
5	12	36.2	18.5	1.44	5	3	5	
	14	25.9	15.8	0.82	7	0	5	
	15	17.8	12.8	0.41	7	0	5	
	9	25.3	10.4	1.21	1	5	5	
	10	31.2	13,8	1.41	1	5	5	
6	12	36.6	18.1	1.50	2	4	5	
	14	34.3	17.7	1.35	1	5	5	
	15	31.6	16.7	1.21	1	5	5	
	9	24.2	13.0	0.91	7	2	4	
	10	31.9	16.2	1.28	7	2	4	
7	12	32.1	18.9	1.07	6	2	4	
	14	31.0	19.2	0.96	0	5	5	
	15	26.0	17.3	0.71	1	4	5	
	9	13.0	8.5	0.36	7	0	4	B.
	10	22.8	12.2	0.86	7	2	4	B.
8	12	28.8	17.3	0.93	7	1	4	B.
	14	33.3	19.6	1.11	0	5	4	B.
	15	30.2	18.3	0.97	1	5	4	B.
	9	27.5	14.0	1.10	8	4	3	Ne.
	10	31.5	27.0	0.36	8	4	3	Ne.,Ja.
9	12	35.8	20.0	1.28	8	4	4	Ne.
	14	24.5	16.9	0.62	8	0	5	
	15	21.7	16.1	0.46	8	0	5	
	9				8	0	5	CH.
	10				8	0	5	Am.
10	12				8	0	5	Am.
	14				8	0	5	Am.
	15				8	0	5	Am.
	9	33.2	19.9	1.08	0	5	4	B.
	10	37.1	22.7	1.17	0	5	5	
11	12	41.5	26.6	1.21	2	4	5	
	14	30.1	23.2	0.56	0	5	5	
	15	35.5	25.1	0.84	0	5	5	
	9	36.1	22.8	1.08	0	5	5	
	10	39.5	25.2	1.16	1	5	4	
12	12	43.7	28.4	1.24	6	4	4	
	14	39.8	28.6	0.91	1	4	4	
	15	39.8	28.1	0.95	0	5	4	
	9	37.5	25.5	0.98	5	4	4	B.,Ja.
	10	41.0	28.4	1.02	2	5	4	
13	12	42.9	30.4	1.02	1	5	4	
	14	44.0	30.2	1.12	6	4	4	
	15	40.1	28.1	0.91	1	5	4	
	9	27.1	23.0	0.33	5	1	5	
	10	39.5	26.5	1.06	4	2	5	
14	12	45.2	29.4	1.28	7	3	4	
	14	44.0	30.0	1.14	0	5	5	
	15	40.8	29.0	0.96	0	5	5	
	9	26.1	20.9	0.42	6	0	3	
	10				8	0	3	LL.
15	12				8	0	3	LL.
	14	25.0	16.5	0.69	4	3	3	
	15	28.2	17.6	0.86	6	3	5	
	9	21.5	9.0	1.02	0	5	3	Ne.
	10	29.2	13.2	1.30	0	5	3	Ne.
16	12	35.0	17.9	1.39	0	5	4	
	14	33.5	18:0	1.26	1	5	4	
	15	30.5	16.0	1.18	2	5	5	
	9				8	0	3	Am.
	10				8	0	3	Am.
17	12				8	0	3	Am.
	14	26.0	20.0	0.49	7	0	3	
	15	27.2	21.0	0.50	7	1	3	
	9	33.0	19.5	1.10	7	3	3	
	10	37.3	22.2	1.23	7	4	5	
18	12	41.6	25.7	1.29	7	4	3	
	14	37.8	25.4	1.01	6	4	4	
	15	37.6	24.9	1.03	6	4	4	
	9	24.0	17.7	0.51	7	2	4	
	10	32.9	20.2	1.03	3	3	3	
19	12	38.5	24.0	1.18	7	2	4	
	14	35.0	23.5	0.93	3	4	4	
	15	33.2	22.9	0.84	1	4	4	
	9	30.5	19.4	0.90	3	3	4	
	10	37.2	22.1	1.23	1	3	4	
20	12	40.5	25.0	1.26	0	5	4	
	14	40.2	25.5	1.20	0	5	4	
	15	37.5	24.7	1.04	0	5	4	
	9				8	0	4	Am.
	10	22.0	18.5	0.28	8	0	4	
21	12	32.7	22.7	0.81	8	0	4	
	14	28.7	22.0	0.54	6	0	4	
	15	27.0	21.9	0.41	5	0	4	
	9				8	0	4	Am.
	10	18.4	13.9	0.36	8	0	4	
22	12	37.8	20.0	1.45	3	5	4	
	14	37.2	21.1	1.31	0	5	5	
	15	34.0	20.4	1.10	0	5	5	
	9	30.4	16.3	1.15	0	5	3	
	10	17.0	12.3	0.38	8	0	1	N.
23	12	17.6	13.2	0.36	8	0	1	N.
	14	19.5	15.0	0.36	8	0	4	
	15	19.0	14.8	0.34	8	0	4	
	9	17.7	14.6	0.25	7	0	4	
	10	18.4	14.7	0.30	8	0	4	
24	12	36.8	20.5	1.33	4	3	4	
	14	36.6	21.5	1.23	8	4	4	
	15	33.5	20.3	1.07	8	4	4	
	9	12.0	5.0	0.57	8	2	5	
	10	13.9	11.2	0.22	7	2	5	
25	12	14.0	12.9	0.09	8	0	5	
	14	23.3	11.5	0.96	7	1	5	
	15	12.0	8.9	0.25	7	0	5	
	9	21.2	16.2	0.41	0	5	5	
	10	25.3	8.9	1.33	0	5	5	
26	12	29.6	12.5	1.39	0	5	5	
	14	29.6	13.0	1.35	0	5	5	
	15	18.0	9.0	0.73	4	2	5	
	9	13.0	3.7	0.76	4	2	2	
	10	15.3	5.3	0.81	7	2	2	
27	12	27.2	11.7	1.26	2	4	3	
	14	27.1	13.6	1.10	1	5	4	
	15	26.5	12.6	1.13	1	5	5	
	9	22.5	8.8	1.11	2	4	3	
	10	27.5	11.7	1.28	1	4	3	
28	12	24.1	13.4	0.87	7	2	4	
	14	29.2	16.3	1.05	1	5	4	
	15	24.9	14.9	0.81	0	5	4	
	9	25.3	10.6	1.20	0	5	4	
	10	29.1	12.9	1.32	0	5	4	
29	12	28.0	14.2	1.12	5	2	4	
	14	30.0	15.0	1.22	2	5	5	
	15	15.5	11.0	0.36	7	0	5	
	9	23.5	7.4	1.31	3	5	4	Ne.
	10	27.9	11.1	1.36	3	5	4	Ne.
30	12	35.1	14.3	1.40	6	4	5	
	14	24.9	13.0	0.97	8	4	5	
	15	17.6	10.5	0.58	8	3	5	
	9							
	10							
31	12							
	14							
	15							

HELIOFANÍA

DÍAS \ HORAS	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H.EFECTIVA	H.TEÓR.ASTRON.	H.RELATIVA
1				0.4	1.0	1.0	1.0	1.0	0.9	0.4	0.1				5.8	9.9	59
2					0.1	0.7	1.0	1.0	0.9	1.0	0.1				4.8	9.9	48
3			0.3	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.1			7.7	9.9	78
4			0.2	0.5	0.1	0.3	0.6	1.0	1.0	0.3					4.0	9.9	40
5						0.3	0.8	0.8	0.7	0.5	0.4				3.5	9.9	35
6					0.9	0.8	0.8	1.0	1.0	1.0	1.0	0.3			6.8	9.9	69
7					0.9	0.8	0.9	1.0	1.0	1.0	1.0	0.3			6.9	9.8	70
8					0.4	0.8	0.6	0.6	1.0	1.0	0.6				5.0	9.8	51
9				0.1	0.9	1.0	1.0	1.0	0.5						4.5	9.8	46
10															0.0	9.8	00
11				0.7	1.0	1.0	1.0	0.9	0.5	1.0	0.9				7.0	9.8	71
12				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2			8.2	9.8	84
13				0.1	1.0	1.0	1.0	1.0	1.0	1.0	0.7				6.8	9.8	69
14					0.1	0.8	1.0	1.0	1.0	1.0	0.1				5.0	9.8	51
15				0.7	0.9				0.3	1.0	1.0	0.3			4.2	9.8	43
16				0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.4				7.1	9.8	72
17						0.2	0.6	0.2		0.6	0.6				2.2	9.8	22
18				0.4	1.0	1.0	0.7	1.0	1.0	1.0	0.7				6.8	9.8	69
19			0.1	1.0	0.8	1.0	0.6	0.8	1.0	1.0	1.0	0.2			7.5	9.8	76
20				0.1	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.1			7.0	9.8	71
21			0.1					0.5	0.2	0.1	0.4				1.3	9.8	13
22						0.3	0.5	1.0	1.0	1.0	1.0	0.2			5.0	9.8	51
23			0.2	0.8											1.0	9.8	10
24							0.7	1.0	1.0	1.0	1.0	0.2			4.9	9.8	50
25						0.2			0.6	0.4					1.2	9.8	12
26			0.3	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0				8.2	9.8	84
27				0.3	0.7	0.7	0.3	1.0	1.0	1.0	1.0	0.6			6.6	9.8	67
28			0.1	1.0	1.0	1.0	0.6	0.7	0.9	1.0	1.0	0.3			7.6	9.8	78
29				0.5	1.0	1.0	1.0	1.0	1.0	0.7	0.4	0.1			6.7	9.8	68
30				0.6	1.0	1.0	1.0	1.0	0.7		0.7				6.0	9.8	61
31																	
Medias			0.0	0.4	0.6	0.7	0.7	0.8	0.8	0.7	0.6	0.1			5.3	9.8	54

GEOTEMPERATURA

DÍAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h
1	12.0	13.2	13.2	11.6	12.4	12.7	11.0	11.0	11.5	11.8	11.8	12.0	15.2	15.2	15.1
2	12.6	14.0	13.8	12.2	13.0	13.2	11.2	11.4	11.4	12.0	12.0	12.0	15.2	15.2	15.2
3	13.0	14.6	14.6	12.5	13.4	13.7	11.5	11.7	11.7	12.2	12.2	12.2	15.3	15.3	15.3
4	13.9	14.7	14.0	13.3	13.9	13.6	12.2	12.2	12.4	12.6	12.6	12.7	15.5	15.6	15.7
5	13.0	13.7	12.7	12.7	13.0	12.7	11.8	11.8	11.8	12.5	12.4	12.4	15.6	15.5	15.4
6	10.6	12.1	11.7	10.8	11.5	11.5	10.7	10.6	10.5	11.8	11.5	11.5	15.2	15.2	15.2
7	11.1	12.1	12.2	10.8	11.5	11.6	10.2	10.3	10.5	11.3	11.1	11.2	14.7	14.6	14.5
8	11.2	12.3	11.8	10.9	11.5	11.6	10.2	10.2	10.4	11.0	11.0	11.0	14.4	14.4	14.3
9	10.5	12.5	12.6	10.5	11.6	12.0	10.1	10.1	10.7	10.9	10.8	11.0	14.4	14.2	14.2
10	13.1	13.8	14.4	12.5	13.0	13.6	11.0	11.2	11.8	11.5	11.4	11.9	14.4	14.5	14.6
11	14.4	16.1	16.3	13.6	14.6	15.2	12.0	12.4	13.0	12.2	12.4	12.8	15.0	15.2	15.3
12	16.0	17.6	17.9	15.0	16.0	16.6	13.2	13.6	14.2	13.3	13.5	13.9	14.7	15.8	16.0
13	17.8	19.2	19.3	16.8	17.5	17.9	14.5	15.0	15.5	14.5	14.8	15.0	16.4	16.8	16.9
14	18.9	19.7	19.8	17.6	18.2	18.5	15.6	15.8	16.2	15.5	15.6	15.8	17.4	17.8	17.7
15	19.0	18.2	16.8	18.0	17.6	16.8	16.2	16.0	15.6	16.1	16.1	15.8	18.0	18.1	18.1
16	13.6	14.9	14.4	14.3	14.6	14.3	14.0	14.2	14.2	14.8	14.8	14.8	17.6	17.6	17.6
17	14.2	14.6	15.8	14.0	14.7	15.0	13.0	13.1	13.4	13.7	13.6	13.8	16.8	16.5	16.6
18	15.6	16.8	16.6	14.9	15.6	15.8	13.6	13.7	14.1	14.0	14.0	14.2	16.7	16.8	16.8
19	15.2	16.7	16.4	14.8	15.5	15.6	13.7	13.7	14.0	14.2	14.1	14.2	16.9	16.8	16.8
20	15.9	17.1	17.0	15.2	15.9	16.1	13.8	14.0	14.4	14.2	14.3	14.5	16.9	17.0	17.0
21	16.5	17.2	17.3	15.7	16.2	16.4	14.2	14.3	14.6	14.6	14.6	14.7	17.2	17.2	17.2
22	16.3	16.6	15.4	15.7	15.8	15.5	14.3	14.2	14.0	14.7	14.7	14.7	17.2	17.2	17.2
23	14.1	14.6	14.1	13.9	14.2	14.6	13.2	13.1	13.2	14.1	13.8	13.6	17.0	16.8	16.6
24	15.2	15.8	15.3	14.7	15.0	14.9	13.3	13.4	13.6	13.8	13.8	13.9	16.6	16.7	16.7
25	12.6	12.6	12.6	12.9	12.6	12.4	12.5	12.0	11.8	13.4	13.0	12.6	16.6	16.3	16.0
26	10.8	11.3	10.2	11.1	11.2	11.0	10.9	10.6	10.6	12.1	11.6	10.6	15.5	15.3	15.3
27	8.2	9.5	9.4	9.0	9.0	9.5	9.2	10.4	9.2	10.8	10.4	10.2	14.6	14.4	14.0
28	8.8	9.9	9.9	8.6	9.4	9.6	8.4	8.4	8.8	9.8	9.6	9.6	13.7	13.5	13.4
29	9.7	10.5	10.0	9.3	10.0	10.0	8.6	8.8	8.8	9.6	9.6	9.5	13.2	13.2	13.3
30	7.8	9.5	9.2	8.2	8.9	9.0	8.3	8.1	8.3	9.4	9.2	9.1	13.1	13.0	12.7
31															
Prom.	13.4	14.4	14.2	13.0	13.6	13.7	12.7	12.2	12.3	12.8	12.7	12.7	15.7	15.7	15.7

LLUVIA, ESTADO DEL SUELO, ETC...

DÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en %						Freatímetro
	50 cm.	1.50 m.	7 m.	18 m.		8^h	14^h	20^h	Total	Punto	7 cm.	15 cm.	30 cm.	60 cm.	1 m.	
1					0	1.0	1.4	0.8	2.5	0. 4	22.8	20.3	24.6	22.5		10706
2					0	0.3	1.2	0.5	1.9							10708
3					0	0.2	1.1	1.0	3.1							10710
4					0	1.0	0.9	1.4	3.3							10710
5					0	1.0	1.1	0.9	2.6							10715
6					0	0.6	1.6	1.6	4.7	0. 5	20.8	20.1	24.7			10719
7					0	1.5	3.6	2.5	8.6							10711
8					0	2.5	2.3	0.8	3.4							10726
9	2.7	2.7	2.0	2.8	0	0.3	1.0	1.2	3.6							10729
10	0.5	0.8	0.0	0.2	2	1.4	0.1	0.1	0.5							10733
11					1	0.3	1.7	1.5	4.5	0. 6	21.8	19.8	23.8			10737
12					1	1.3	1.8	1.5	6.3							10739
13					0	3.0	4.0	2.3	10.2							10741
14					0	3.9	3.0	1.7	5.8							10744
15	-	1.5	1.1	-	1	1.1	0.2	0.8	1.3							10751
16					0	0.3	1.1	1.0	3.5	0. 7	19.5	18.0	25.2			10753
17					0	1.4	0.8	0.9	2.6							10765
18					0	0.9	1.9	1.7	4.7							10768
19					0	1.1	1.4	1.1	4.3							10774
20					0	1.8	1.6	1.3	3.8							10777
21	19.4	20.4	19.5	18.0	2	0.9	1.5	2.1	3.9	0. 8	17.8	17.7	24.0	23.6	16.1	10780
22					2	0.3	0.4	0.5	1.1							10782
23					1	0.2	0.2	0.1	0.4							10784
24					1	0.1	0.5	1.0	2.8							10787
25					1	1.3	0.4	0.6	1.5							10792
26					0	0.5	0.9	1.7	2.9	0. 9	20.2	18.9	22.7			10798
27					0	0.3	0.9	0.4	1.5							10805
28	0.0	0.0	0.0	0.0	0	0.2	1.3	0.9	2.7							10809
29					0	0.5	0.8	0.5	1.8							10813
30					0	0.5	0.8	0.7	1.7							10817
31																
Prom.	-	25.4	22.6	-	-	1.0	1.3	1.1	3.4	-	-	-	-	-	-	10756

0.50 m.			1 m.			2 m.	3 m.	Temper. Mínima de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos
8^h	14^h	20^h	8^h	14^h	20^h	8^h	8^h		
14.3	14.3	14.3	16.2	16.3	-	18.7	18.7	3.1	Cn. m. t. y n., r. m.
14.3	14.3	14.3	16.2	16.2	16.2	18.5	19.0	5.0	Cn. m. y t., Ca. n., r. m. y n., Js. t., Ne. n.
14.2	14.2	14.2	16.0	15.9	16.0	18.5	18.6	4.2	Ca. m., Cn. t. y n., r. m. y n., B. t.
14.2	14.2	14.3	16.0	16.0	16.0	18.5	-	6.0	Cn. m. t. y n.
14.5	14.6	14.7	16.0	15.8	-	18.5	18.7	6.5	Cn. m. y t., Ca. n., r. n.
14.3	14.3	14.3	15.5	15.8	15.8	18.4	-	- 0.7	Ca. m. t. y n., r. m. y n., h. m.
13.9	13.8	13.5	15.6	15.7	15.7	18.5	18.9	- 0.6	Cn. m., Ca. t. y n., r. m.
13.6	13.7	13.6	15.4	15.6	15.6	18.2	18.6	3.2	Cn. m., Ca. t. y n., r. n.
13.5	13.5	13.3	15.2	15.3	15.1	18.2	18.6	- 1.2	Cn. m. t. y n.
13.4	13.5	13.6	15.2	15.2	15.4	18.1	18.8	12.2	Cn. m. y t., Ca. n., CH. m., LL. Z. t.
13.9	13.9	14.1	15.2	15.3	15.3	18.0	18.5	12.3	Ca. m. y t., Cn. n., Dl. n.
14.4	14.5	14.3	15.4	15.3	15.4	18.0	18.9	9.0	Ca. m. t. y n., Dl. Jl. n.
14.5	15.3	15.4	15.4	15.6	15.5	18.0	18.7	18.2	Cn. m. t. y n., Jl. n.
15.8	16.0	16.0	15.7	15.7	16.0	17.8	18.8	19.0	Cn. m. y n., Ca. t.
16.5	16.6	16.6	15.7	15.8	15.9	17.7	18.9	14.8	Ca. m. y n., Cn. t., Z. m., LL. t.
16.3	16.3	16.3	16.0	16.3	16.3	17.8	18.4	- 0.3	Ca. m. y t., Cn. n., r. m. y n., Jl. n.
15.8	15.6	15.6	16.3	16.3	16.3	17.7	18.5	6.0	Cn. m. y t., Ca. n., r. m. y n.
15.5	15.6	15.5	16.3	16.1	16.2	17.7	18.6	11.0	Cn. m. t. y n., Dl. n.
15.6	15.7	15.6	16.1	16.1	16.2	17.7	18.5	6.6	Ca. m. t. y n.
15.7	15.8	15.7	16.2	16.2	16.2	17.6	18.5	10.0	Cn. m., Ca. t. y n.
15.8	16.0	15.8	16.2	16.3	16.2	17.6	18.6	12.9	Cn. m. t. y n., R. Ru. LL. n.
15.9	15.9	15.9	16.2	16.2	16.3	17.5	18.4	12.9	Cn. m., Ca. t. y n., r. n.
15.8	15.7	15.5	16.0	16.2	16.2	17.5	18.4	2.5	Cn. t. y n., N. m.
15.4	15.4	15.4	16.2	16.2	16.1	17.6	18.4	10.5	Cn. m. y t., Ca. n.
15.4	15.3	15.1	15.9	16.0	15.9	17.6	18.4	- 0.2	Cn. m. y t., Ca. n., Dl. m.
14.7	14.5	14.4	15.8	15.9	15.8	17.5	18.2	- 4.5	Ca. m. t. y n., h. m. y n., r. n.
13.8	13.7	13.3	15.6	15.4	15.4	17.5	18.0	- 7.5	Ca. m. t. y n., h. m. y n., r. n.
13.1	12.8	12.7	15.3	15.1	14.9	17.6	18.0	- 6.7	Ca. m. t. y n., h. m.
12.5	12.5	12.5	15.0	14.9	14.9	17.5	18.2	- 0.6	Ca. m. t. y n., r. n.
12.5	12.3	12.0	14.6	14.5	14.3	17.5	18.0	- 6.8	Ca. m. y n., Cn. t., h. m., r. n.
14.6	14.7	14.6	15.8	15.8	15.8	17.9	18.5	5.2	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESIÓN ATMOSFÉRICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANÍA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teóricas Astronómicas	Relativa
	mm. mb.	mm. mb.			mm. mb.			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	59.2	66.6	1	0	50.5	3	23	11.7	16.9	7.3	20.2	3	14,15	2.1	6	2	4.9	9.9	50
2ª	58.1	68.5	16	9-10	49.5	13	16	18.1	22.9	14.0	27.3	14	14,15	3.4	16	7	6.2	9.8	63
3ª	61.2	69.9	26	22	48.6	21	17	8.2	13.5	3.1	21.2	21	14	-3.5	27	7	4.8	9.8	49
MES	59.5	69.9	26	22	48.6	21	17	12.7	17.8	8.1	27.3	14	14,15	-3.5	27	7	5.3	9.8	54

DÉCADA	HUMEDAD DEL AIRE								VIENTO									LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas				Instantáneas				Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Velocidad Máxima	Dirección	Día	Hora					
	%	%		%		mm. mb.	mm. mb.	mm. mb.		Km/h	Km/h		Km/h			Km/h				mm.	mm.		mm.		
1ª	74	98	10	32	7	7.5	14.5	4.2	NE	10	36	3,7	40	7	11-12	58	NW	7	11.25	3.5	2.7	9	2.7	9	23-24
2ª	76	98	11	49	16	11.6	16.5	5.3	NE	15	48	14	48	14	8-9	70	N	14	4.49	1.5	1.5	15	1.5	15	11-12
3ª	81	100	22,23	35	27	6.9	13.5	3.0	SW	8	30	21	30	21	17-18	42	W	21	19.49	20.4	20.4	21	-	-	-
MES	77	100	22,23	32	7	8.7	16.5	3.0	NE	13	48	14	48	14	8-9	70	N	14	4.49	25.4	20.4	21	-	-	-

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

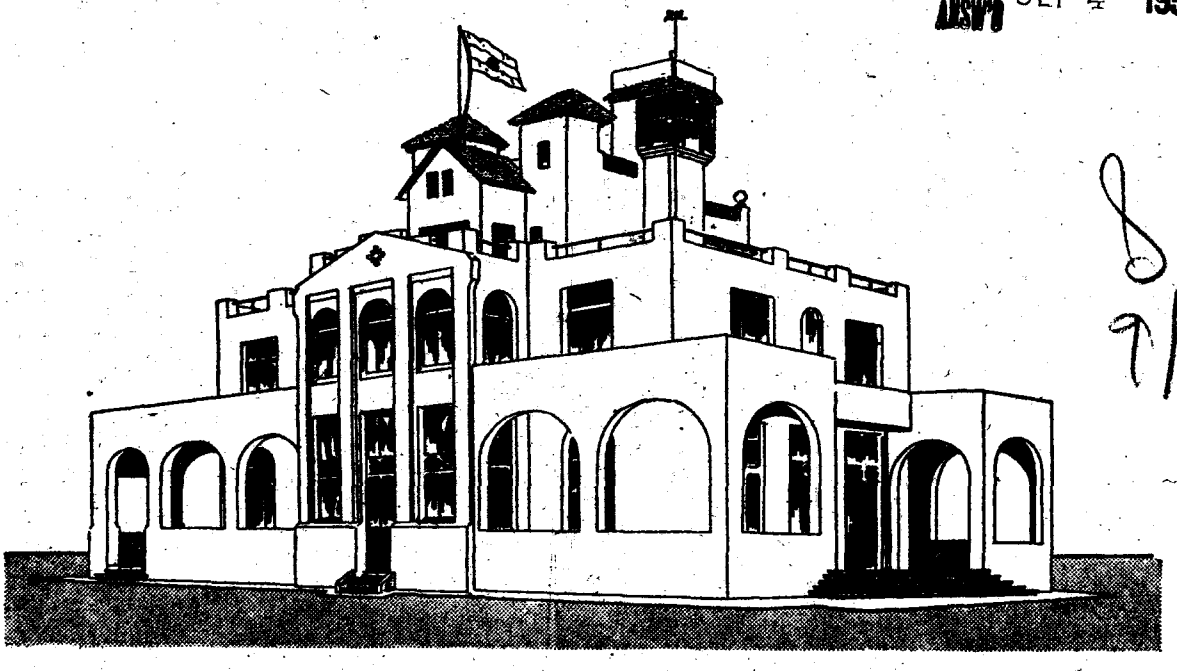
DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACIÓN							VIENTO - TORM. ELÉCT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1ª	-	2	1	-	-	-	-	2	-	-	1	-	-	-	1	-	-
2ª	-	1	1	-	-	-	-	1	-	-	-	-	-	-	3	-	1
3ª	-	-	1	1	-	-	-	1	1	-	-	-	-	-	1	-	-
MES	-	3	3	1	-	-	-	4	1	-	1	-	-	-	5	-	1

DÉCADA	FENÓMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
1ª	7	1	-	-	-	-	-	1	-	-	-	7	3	-	-	-
2ª	2	-	-	-	-	-	-	1	1	-	-	8	2	-	3	-
3ª	5	4	-	-	-	-	-	-	-	-	-	8	2	4	-	-
MES	14	5	-	-	-	-	-	2	1	-	-	23	7	4	3	-

OBSERVATORIO DE FISICA COSMICA
DE
SAN MIGUEL (R. ARGENTINA)

Lat. S. 34° 33'; Long. W. de G. 58° 44'; Alt. 27.4 m.

AMERICAN GEOPHYSICAL UNION
REC'D SEP 4 1952
ANSW'D



BOLETÍN MENSUAL

VOLÚMEN VI

AÑO 1951

JULIO - AGOSTO - SETIEMBRE

Dirección: OBSERVATORIO - San Miguel (F.C.N.G.S.M.) - ARGENTINA

APRECIACIÓN GENERAL DE LAS OBSERVACIONES

I. DATOS DIVERSOS

1. Coordenadas geográficas: Con valor aproximado han sido tomadas del mapa de la República Argentina que el Instituto Geográfico Militar editó en el año 1937, escala 1: 1.500.000.

   Lat. geográfica, φ = 34° 33' S;

   Long. geográfica, λ = 58° 44' W de G.

2. Aceleración de la pesantez (corrección por gravedad): g = -0.75.

3. Diferencia entre la hora local y la hora de Greenwich: ΔG = 3h 55m.

4. Altura del Observatorio sobre el nivel del mar: Hs = 27.4 m.

5. Los cómputos climatológicos se han realizado en base a las observaciones efectuadas a las 8.00, 14.00 y 20.00 horas. (Hora legal argentina del meridiano 60° huso XX).

6. Símbolos adoptados: si no se expresa lo contrario las letras y símbolos que distinguen a los elementos meteorológicos, responden a lo sancionado en la conferencia de directores del mundo (Resolución XX, Varsovia, setiembre 1935), y en la II^{a}. Reunión de la Comisión Regional III^{a} (Montevideo, febrero 1939), según Resolución XIII.

II. REGISTROS ELÉCTRICOS

1. Potencial Atmosférico.

   a) El potencial atmosférico (P) se mide independientemente con dos electrómetros de cuadrantes y registro de puntos sobre cinta entintada de diseño y fabricación propios. Los captadores de Ionio están muy cerca del nivel del techo plano del edificio de geoelectricidad a 2.70 m. sobre el nivel del suelo y a 0.60 m. de distancia de la pared. Uno de ellos tiene más o menos tres veces mayor sensibilidad que el otro.

   Los valores numéricos consignados en tablas están corregidos con los correspondientes coeficientes en comparación con medidas absolutas hechas simultáneamente a un metro de altura en terreno llano y despejado. Los valores indican el potencial absoluto reducido a volts por metro (V/M). En los promedios sólo se toman en cuenta los días completos del tipo "0" y "1", desechándose los valores que por cualquier causa fueran dudosos.

   b) Tipo de la curva.- Las bandas se clasifican en cuatro tipos:

   Tipo "0".- No hay valores de potencial negativo y las curvas son sin grandes fluctuaciones.

   Tipo "1".- Hay potencial negativo durante no más de tres períodos horarios. Las fluctuaciones pueden ser bruscas pero no tanto que se salgan mucho del campo de los aparatos ni sea imposible leerlas.

   Tipo "2".- Hay potencial negativo durante 4 ó más períodos horarios (no es necesario que la suma del tiempo con potencial negativo sea siempre más de tres horas). Las fluctuaciones igual que el tipo "1", aunque algunas salidas del campo no impiden que un día sea del tipo "2".

   Tipo "3" o de perturbación.- Grandes cambios de potencial que hacen imposible su lectura y cálculo. Las agujas salen continuamente fuera del campo de los aparatos o éstos deben ser puestos a tierra por tormentas eléctricas.

   c) Otros signos.- Valen los siguientes signos convencionales:

   V/M: Valor del potencial en volts, referido a un metro sobre el nivel del suelo.

   $+\infty, -\infty$: El valor del potencial ha superado una sola vez, por la parte de los potenciales positivos o negativos, el límite del campo disponible en el aparato para registrar las indicaciones de los electrómetros.

   $\pm\infty$: El potencial ha salido del campo en ambos signos durante la hora indicada.

   - : Registros perdidos por diversas causas (telas de araña, etc...).

   * : Día incompleto.

2. Ionización del aire.

   a) En este capítulo se incluyen los registros continuados de conductibilidad, iones livianos, iones pesados y núcleos Aitken. La entrada de aire para todos menos el último está en el techo del edificio de geoelectricidad a 3.20 m. sobre el nivel del suelo y a 0.40 m. de altura sobre el techo plano. La boca misma de entrada está protegida por un amplio sombrero metálico conectado a tierra que

sirve de blindaje electrostático para anular el efecto del potencial en la entrada de iones. El aire es aspirado después de pasar por los contadores por una serie de bombas (una para cada aparato) accionadas por un motor sincrónico. El registro mismo se hace por medio de electrómetros de cuadrantes del tipo Dolezalek con inscripción fotográfica en papel sensible. Estos han sido diseñados y construídos en el Observatorio y llevan los números 1 a 5. Además de las medidas que cada aparato realiza, en todos ellos queda grabado cada hora el control del punto cero y la aislación del sistema. Cuando por cualquier causa se pierde un valor ello se indica en las tablas por una raya.

b) La conductibilidad (λ) se mide en forma continuada con un aparato condensador de Gerdien. Cada hora se toman dos valores de conductibilidad positiva y dos de conductibilidad negativa en forma alternada indicándose en las tablas el promedio de los dos valores. Los valores tabulados en tablas separadas para cada signo indican la conductibilidad en U.E.S. por 10^{-4}

c) El número de iones livianos (n) se mide en forma continuada con dos contadores de iones del tipo Ebert-Marche de diseño y fabricación propios. Cada uno mide un signo diferente y dá dos valores por hora que luego se promedian y anotan separadamente en las tablas. Los valores indican el número de iones por centímetro cúbico.

d) El número de iones pesados (N), se mide en forma continuada con un contador adaptado para esos iones del tipo Ebert-Marche, de diseño y construcción propios. Cada hora el aparato da un valor para cada signo. Estos valores se consignan en tablas aparte y expresan el número de iones por centímetro cúbico.

e) En relación con los iones livianos y pesados se mide también los núcleos Aitken. Esta medida se hace manualmente una vez por día entre las 13.30 y 14 horas (hora solar). Se usa un contador de núcleos Aitken de la casa Casella de Londres, modelo 1948, número 681. El aparato se coloca al aire libre sobre un trípode de un metro de altura cerca del edificio de geoelectricidad. Los valores que van anotados en la tabla indican el número de núcleos Aitken por centímetro cúbico de aire.

3. Resúmen del estado eléctrico del aire.

a) Estos datos se obtienen tomando en cuenta los promedios diurnos de los diversos registros y aunque son de gran interés, debe tenerse en cuenta sus limitaciones por la misma forma estadística y global usada para su confección.

b) Conductibilidad.- Para cada día se anota λ^+, λ^-, la suma de λ^+ y λ^-, y la relación de λ^+/λ^-.

c) Iones livianos.- Para cada día se anota n^+, n^-, la suma de n^+ y n^-, y la relación de n^+/n^-. Además se calcula la movilidad (K) de estos iones separadamente para cada signo tomando los promedios diurnos de conductibilidad y número de iones según la fórmula:

$$K = \frac{\lambda}{e \cdot n} \cdot \frac{1}{300}$$

Se expresa el valor de la movilidad en centímetros por segundo por volt por centímetro.

d) Iones pesados.- Para cada día se anota N^+, N^-, la suma de N^+ y N^-, y la relación de N^+/N^-.

e) La corriente vertical (i) se obtiene por cálculo los días en que el registro de conductibilidad y potencial son completos, según la fórmula: $i = P\,(\lambda^+ + \lambda^-) \cdot \frac{1}{30.000}$

Para "P" y "λ" se toman los promedios diurnos de estos registros.- "i" va expresado en U.E.S. por 10^{-7} por cm^2.

III. CORRIENTES TELÚRICAS

a) Las corrientes telúricas se registran en dos componentes horizontales, N-S y E-W. Para el registro se usa un aparato de diseño y fabricación propio con inscripción a puntos simultáneos por chispa eléctrica cada minuto. La sensibilidad de los galvanómetros es suficiente para trabajar con 50000 ohms en serie en las líneas largas y 10000 ohms en las líneas cortas, evitando así toda corrección continua de los valores registrados por las muy pequeñas variaciones de resistencia de líneas y tomas.

b) Líneas y tomas.- Hay dos sistemas completos e independientes de líneas y tomas orientadas exactamente en dirección N-S y E-W. Las tomas están formadas por parrillas de alambre de plomo puro enterrado a 1.10 metros de profundidad, todas en terreno arcilloso muy semejante. Con líneas largas la distancia entre tomas es de 3000 metros para la componente N-S y 2580 metros para la componente E-W. Con líneas cortas estas distancias son de 520 metros para la componente N-S y 620 metros para la E-W.

c) Notación.- Los valores están reducidos a milivolts por kilómetro (MV/Km) y cuando no llevan

ningún signo son de sentido positivo. Cuando son de sentido negativo los valores llevan el signo menos (-). En las columnas verticales se indica además del promedio de la suma algebraica de los valores horarios, los valores correspondientes a la curva de variaciones por ser ésta de interés principal en las corrientes telúricas. Cuando por cualquier causa se ha perdido el registro se indica esto con una raya (—) en lugar del valor correspondiente. Algunos meses se trabaja usando las líneas largas, otros las cortas. Esto va indicado en el encabezamiento de las planillas.

d) Tipo de curva.- Las curvas diarias son clasificadas en tres tipos:

Tipo "0".- Curva muy regular con variación diurna muy pura.

Tipo "1".- Curva algo accidentada pero que conserva todavía las principales características de la variación diurna.

Tipo "2".- Curva muy accidentada.

IV. REGISTROS METEOROLÓGICOS

1. **Presión atmosférica.**- Los valores consignados en milímetros y décimos de milímetros se han obtenido por interpolación entre las lecturas directas, en las horas mencionadas, del Barómetro Fortín N-Z nº.2575, corregidas por temperatura, error de índice (s/c) y gravedad (-0.75), y los dados por las fajas del Barógrafo Fuess nº.3130. La altura de la cubeta del Barómetro está a 28.2 m. sobre el nivel del mar.
2. **Temperatura del aire.**- Los valores anotados en grados y décimos corresponden a los de la escala centígrada o Celsius, habiéndoselos obtenido por interpolación entre las lecturas directas del Termómetro de mercurio Fuess nº.82123, y los dados por las fajas del Termógrafo Fuess nº.101252.
3. **Humedad relativa.**- Los valores expresados en tanto por ciento (%) se han deducido por interpolación entre los determinados por el Psicrómetro Fuess nºs. 82123 y 82124, y los leídos en las fajas del Higrógrafo N-Z nº.12152 con excepción de los correspondientes a las 8.00, 14.00 y 20.00 horas. Estos valores así como los anteriores vienen suministrados por el instrumental instalado dentro del abrigo meteorológico; sus órganos sensibles se encuentran a 1.60 m. sobre el nivel del suelo.
4. **Tensión del vapor.**- Los valores indicados en milímetros y décimos de milímetros los entregan las tablas correspondientes utilizando como argumento los valores interpolados de la "temperatura del aire" y "humedad relativa", con excepción de los valores de las 8.00, 14.00 y 20.00 horas obtenidos de las tablas psicrométricas.
5. **Viento: dirección y velocidad.**- La dirección se anota según ocho rumbos y con las abreviaturas clásicas, deducida de la veleta registradora Richard nº.91435. Los valores de la velocidad en m/s son los observados durante los cinco minutos que preceden a las horas de las observaciones; valen las cifras de la escala de Beaufort convertidas en m/s.
6. **Nubes: grado y clases.**- Se consigna el resultado de la observación estimada y considerando al cielo dividido en ocho partes, de modo que para un cielo completamente despejado de nubes se considera nubosidad cero (0), y para el completamente cubierto nubosidad ocho (8). Las clases responden a las existentes en el cielo en el momento de las observaciones; las abreviaturas son las corrientes.
7. **Visibilidad.**- Se anotan los grados de visibilidad horizontal existente en el momento de la observación y utilizando las cifras de la tabla correspondiente, de modo que en una escala de 90 a 99 la primera cifra indique no ser visible un objeto situado a menos de 50 metros y la última a más de 50.000.
8. **Radiación solar.**- Los números indican la cantidad de calor radiante expresado en gramo-calorías por centímetro cuadrado y por minuto deducidos del juego de actinómetros: Bulbo blanco Fuess nº.1872 y Bulbo negro Fuess nº.1873, siendo la constante instrumental 12.3°.
9. **Insolación y Transparencia.**- Los números responden a las escalas especiales siguientes:

   Insolación: Sol completamente oculto (0); id., débil con intermitencias (1); id., id., constante (2); id., bastante bueno con intermitencias (3); id., id., id., constante (4); id., espléndido (5).

   Transparencia: Pésima (1); mala (2); mediana (3); buena (4); muy buena (5).
10. **Heliofanía.**- Las cifras representan las horas y décimos de hora leídas en las fajas del Heliofanógrafo Campbell nº.1541. Cuando se consideran los totales diarios que dan el tiempo que el Sol quemó las fajas del instrumento, se habla de H. efectiva; H. teor.-astronómica son los valores correspondientes al "máximum posible de horas de Sol" que corresponde al Observatorio según su posición geográfica; H. relativa los valores obtenidos de dividir la "H. efectiva" por la "H. teor.-astronómica" y multiplicado por cien.
11. **Lluvia.**- Los datos se obtienen del pluviómetro

Hellmann (Tipo B) situado a 1.50 m. sobre el nivel del suelo, controlados con el Pluviógrafo Casella nº.428. A los efectos de estudiar el gradiente de caída se consignan además los valores que entregan los Pluviómetros Tipo A colocados a 0.50 m., 7.00 m. y 18.00 m. sobre el nivel del suelo. Los valores expresados en milímetros y décimos representan el total de lluvia caída en las últimas 24 horas.

12. **Estado del suelo.**- Los valores vienen dados en cifras del código internacional de 0 a 9.
13. **Evaporación.**- Los números expresados en milímetros y décimos de milímetros representan el total de agua evaporada en las últimas 24 horas deducidos del Evaporímetro nº.30. Se entiende que el total del agua evaporada es la determinada en la observación de las 8.00 horas.
14. **Geohidrometría.**- Las cifras representan el porcentaje de humedad a las profundidades diversas del suelo, considerando que éste ha sido previamente deshidratado a una temperatura de 105° C.
15. **Freatímetro.**- Los valores expresados en milímetros indican las variaciones del nivel de la primera capa de agua del subsuelo, deducidos del Freatímetro DMGH 133.
16. **Geotemperatura.**- Valores directos de la temperatura del subsuelo tomados a las horas y profundidades que se indican, de los termómetros: Fuess 13281 (0.05 m.), 14530 (0.10 m.) , 13117 (0.20 m.), 13135 (0.30 m.), 14786 (0.40 m.); Salmoiraghi 50537 (0.50 m.); Fuess 13198 (1.00 m.), 7061 (2.00 m.); N-Z H3009 (3.00 m.).
17. **Temperatura mínima del suelo.**- Valores mínimos de la temperatura de la superficie a las 8.00 horas del Termómetro N-Z CE5423.
18. **Ocurrencia de hidrometeoros y otros fenómenos.**- No habiendo sido posible adquirir caracteres especiales de imprenta valen las siguientes denominaciones:

LL: lluvia.-
Z : llovizna.-
Ni: nieve.-
AN: agua-nieve.-
CH: chaparrones.-
Chni: chaparrones de nieve.-
CHan: chaparrones de agua-nieve.-
G : granizo.-
Gb: granizo blando.-
Pi: piedra.-
N : niebla.-
Ne: neblina.-
Ns: niebla del suelo.-
B : bruma.-
Vx: aire diáfano - Visib. extr.-
Cn: cielo cubierto.-
Ca: cielo claro.-
Ru: tormentas (relámp. y truen.).-
R : relámpagos.-
Tv: vientos fuertes.-
r : rocío.-
h : helada.-
ns: suelo cubierto de nieve.-
Gh: granos de hielo.-
ah: agujas de hielo.-
ñ : cencellada blanda.-
ña: cencellada dura.-
H : hielo glaseado.-
Kn: nevascas.-
Ka: ventisca alta.-
Kb: ventisca baja.-
NIa: nieve con agujas de hielo.-
Tp: tromba-remolinos de polvo.-
Ng: nieve granulada.-
Ta: tempestad de polvo o arena.-
Ds: halo solar.-
Dl: halo lunar.-
Js: corona solar.-
Jl: corona lunar.-
P : arco iris.-
M : aurora.-
S : luz zodiacal.-
E : espejismo.-
Am: amenazante.-
dv: deposición de vapor.-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VI JULIO 1951 N° 7

RESUMEN MENSUAL

Al comenzar el mes la temperatura se halla por debajo de su valor medio, por la afluencia constante de aire polar desde el Sudoeste. El día 2, aire cálido del noreste, reemplaza la masa polar, pero su intensidad es débil y sólo se nota la presencia de esta corriente en el cambio de dirección del viento. El día 3, se hace sentir nuevamente una aeromasa fría, cuya afluencia continúa hasta el día 5. El día 6, la temperatura y tensión del vapor registran su importe mínimo mensual, que es de -1.1°C y 5.8 mm. respectivamente. El resto de la década, no sufre alteraciones de importancia, pero la temperatura se mantiene siempre algunos grados inferior al valor normal.

Al comenzar la segunda década, la temperatura asciende lenta y paulatinamente. El viento sopla predominantemente del sector Noreste hasta el día 15, en que el pasaje de un frente frío, hace girar el viento, soplando entonces del sector Sudeste. La temperatura vuelve a descender y el día 16 se registra una humedad relativa de 34% que es el valor mas bajo del mes. El día 17, la tensión del vapor comienza a ascender y la presión atmosférica disminuye 12.8 mm en 24 horas, lo que se acentúa el día 18 en que se obtiene el valor mínimo mensual de la presión con 748.1 mm, y una tensión del vapor de 14.5 mm que es el valor máximo del mes, hasta que por un frente frío que alcanza el Observatorio en la tarde del día 19, la temperatura cae bruscamente.

Al comenzar la tercera década, la estación se encuentra envuelta por una aeromasa fría, que al retroceder da lugar a una masa de aire caliente; al terminar el día 22 se registra la presión máxima del mes con 770.7 mm. El día 25 ese aire tropical cubre la cuenca del Río de la Plata y hace sentir su efecto en la temperatura del aire que alcanza su valor máximo mensual de 27.0°C. Los días subsiguientes un frente frío trata de desplazar la aeromasa tropical, lo que logra sobre la estación, en la noche del día 29, provocando lluvias de escasa intensidad, que son las únicas del mes, y un descenso de temperatura que disminuye el promedio del día 29 en 6.2°C respecto del día anterior.

Haciendo un estudio de los valores promedios del mes, se observa una desviación positiva en la temperatura y tensión del vapor, respecto del promedio normal, y una desviación negativa de 1.5 en la presión atmosférica. Además ha sido un mes de muy escasa precipitación.

RESUMEN DEL ESTADO ELÉCTRICO DEL AIRE

DÍAS	CONDUCTIBILIDAD "λ" . 10^{-4}				IONES LIVIANOS					
					número "n" por cm^3				velocidad	
	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-	n^+	n^-	$n^+ + n^-$	n^+ / n^-	K^+	K^-
1	0.74	0.67	1.41	1.10	591	403	994	1.47	0.88	1.16
2	1.19	0.83	2.02	1.44	512	358	870	1.43	1.63	1.62
3	0.96	0.80	1.76	1.20	566	339	905	1.72	1.18	1.66
4	1.13	1.03	2.26	1.09	803	564	1367	1.42	0.98	1.27
5	1.04	0.80	1.84	1.30	878	493	1371	1.78	0.83	1.14
6	1.12	0.98	2.10	1.14	997	758	1755	1.30	0.79	0.90
7	0.93	0.86	1.79	1.08	580	762	1342	0.76	1.12	0.78
8	0.77	0.65	1.42	1.18	578	521	1099	1.10	0.93	0.87
9	0.89	0.74	1.63	1.20	536	316	852	1.70	1.16	1.63
10	0.87	0.85	1.72	1.02	659	305	964	2.16	0.92	1.94
11	1.15	1.01	2.16	1.14	764	519	1283	1.47	1.05	1.36
12	1.19	1.15	2.34	1.04	764	589	1353	1.29	1.09	1.36
13	1.08	1.03	2.11	1.05	456	470	926	0.97	1.65	1.54
14	0.95	0.84	1.79	1.12	426	339	765	1.25	1.56	1.73
15	1.12	0.98	2.10	1.15	780	509	1289	1.53	1.00	1.35
16	0.88	0.68	1.56	1.29	698	362	1060	1.93	1.26	1.31
17	1.22	1.08	2.30	1.13	784	569	1353	1.37	1.09	1.33
18	1.12	0.97	2.09	1.16	741	519	1260	1.43	1.06	1.30
19	1.00	0.87	1.87	1.15	643	390	1033	1.65	1.09	1.56
20	1.01	0.92	1.93	1.10	724	444	1168	1.63	0.98	1.45
21	1.23	1.12	2.35	1.10	736	518	1254	1.42	1.17	1.51
22	1.15	0.89	2.04	1.29	741	433	1174	1.71	1.08	1.43
23	0.59	0.59	1.18	1.00	226	265	491	0.85	1.82	1.55
24	1.11	0.90	2.01	1.23	719	475	1194	1.51	1.08	1.32
25	1.29	1.09	2.38	1.18	1149	798	1947	1.44	0.79	0.96
26	1.20	1.00	2.20	1.20	1088	688	1776	1.58	0.76	1.02
27	0.70	0.49	1.19	1.43	461	196	657	2.35	1.06	1.75
28	0.74	0.60	1.34	1.23	586	335	921	1.75	0.88	1.25
29	1.08	0.88	1.96	1.23	898	561	1459	1.60	0.84	1.10
30	0.79	0.60	1.39	1.31	433	257	690	1.69	1.27	1.64
31										
Prom.	1.02	0.87	1.89	1.17	685	461	1146	1.48	1.04	1.32

NOTA:

TENIENDO EN CUENTA QUE PUEDE SER DE INTERÉS GENERAL LA COMPARACIÓN DE LOS REGISTROS ELÉCTRICOS CON EL MÉTODO ANTERIOR Y EL NUEVO QUE SE USARÁ EN ADELANTE, INSERTAMOS A CONTINUACIÓN LOS VALORES CORRESPONDIENTES AL MES DE JUNIO POR EL NUEVO MÉTODO. EN LAS PUBLICACIONES PRECEDENTES SE DIERON LOS VALORES PARA ESTE MISMO MES POR EL MÉTODO ANTERIOR.

IONES PESADOS número "N" por cm^3				CORRIENTE VERTICAL "i" . 10^{-7} U.E.S. por cm^2	NÚCLEOS AITKEN por cm^3
N^+	N^-	$N^+ + N^-$	N^+ / N^-		
5331	6754	12085	0.79	5.23	7,500
9872	10211	20083	0.97	-	5,000
4930	7262	12197	0.68	4.21	380
5160	8292	13452	0.62	4.76	10,500
5752	6745	12497	0.85	7.04	21,000
4560	5087	9647	0.90	5.78	19,750
3568	4150	7718	0.86	-	7,500
6802	7403	14205	0.92	6.81	14,500
8860	8754	17644	0.99	7.69	28,000
5820	6353	12173	0.92	-	-
3789	7172	10961	0.53	-	22,500
2466	8266	10732	0.30	3.35	36,250
2915	14677	17592	0.19	-	29,500
2506	16732	19238	0.15	4.89	42,750
2770	18467	21237	0.15	-	10,000
7122	9720	16842	0.73	8.38	27,750
3587	5346	8933	0.67	-	10,500
3886	6430	10316	0.60	4.88	28,750
6245	10952	17197	0.57	6.30	32,750
4333	8818	13151	0.49	5.64	10,250
3139	9914	13053	0.32	-	34,250
5830	10433	16263	0.56	7.88	40,750
10131	12913	13044	0.79	-	5,000
3970	7390	11360	0.54	6.50	15,750
3400	4059	7459	0.84	7.09	10,750
4298	3886	8184	1.10	6.06	19,000
9753	8856	17509	1.10	6.27	26,250
7541	9830	17371	0.77	5.40	16,500
4709	4335	9044	1.08	6.72	12,500
10266	9595	20861	1.07	7.02	30,250
5451	8631	4082	0.63	5.84	19,800

CONDUCTIBILIDAD POSITIVA $\lambda^+ . 10^{-4}$

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	0.79	0.77	0.77	0.69	0.56	0.55	0.37	0.34	0.56	0.95	1.08	0.99
2	1.05	1.21	1.13	0.99	0.96	0.97	1.10	1.05	1.17	1.32	1.41	1.30
3	-	-	-	-	-	-	-	1.20	1.22	1.21	1.09	0.98
4	1.17	1.28	1.16	1.29	1.20	1.17	1.21	1.19	0.99	1.39	1.15	1.28
5	1.53	1.28	1.16	1.14	1.25	1.10	1.05	0.93	0.94	0.94	1.02	1.04
6	1.05	1.30	1.30	1.27	1.29	1.34	1.53	1.46	1.29	1.07	1.02	1.12
7	0.89	1.08	0.99	1.09	1.07	1.11	1.06	0.99	0.95	0.90	0.93	0.77
8	0.99	0.92	0.74	0.71	0.98	0.98	0.89	0.91	0.84	0.76	0.69	0.69
9	0.74	0.52	1.10	1.17	1.37	1.02	0.92	1.56	1.25	0.97	0.56	0.71
10	1.15	0.80	-	-	-	-	-	-	-	-	-	-
11	1.14	1.27	0.75	1.04	1.25	1.23	0.97	0.61	0.74	0.64	1.27	1.22
12	1.51	-	-	-	-	-	-	1.13	1.18	1.23	1.20	1.26
13	1.13	1.19	1.15	1.12	1.15	1.24	1.30	1.19	1.19	1.15	1.07	1.24
14	1.03	1.00	0.99	0.95	0.82	0.82	0.92	0.91	0.89	0.98	1.01	0.99
15	1.16	1.33	1.14	0.89	0.86	1.00	1.22	0.77	1.19	1.11	0.94	0.92
16	1.36	1.48	1.48	1.37	1.35	1.11	1.11	0.89	1.00	0.50	0.48	0.56
17	1.30	1.35	1.34	1.41	1.49	1.39	1.25	1.09	1.15	1.12	1.15	1.11
18	1.44	1.55	1.43	1.44	1.14	1.36	1.27	1.13	1.10	1.12	1.16	1.19
19	1.06	1.26	1.37	1.44	1.16	1.42	1.29	1.04	1.18	1.18	1.00	0.87
20	1.23	1.26	1.31	1.12	1.16	1.29	1.23	1.12	1.03	0.96	0.91	1.05
21	1.39	1.44	1.46	1.49	1.39	1.48	1.32	1.26	1.21	1.26	1.13	1.22
22	1.42	1.35	1.77	1.17	1.66	2.06	1.40	1.11	1.18	1.68	1.03	1.15
23	0.58	0.44	0.89	0.56	0.76	0.50	0.47	0.54	0.37	0.71	0.60	0.56
24	-	-	-	-	-	-	-	-	-	-	-	1.42
25	1.29	1.28	1.53	1.46	1.39	1.30	1.25	1.23	0.99	1.10	1.18	1.08
26	1.48	1.53	1.48	1.48	1.56	1.64	1.56	1.43	1.32	1.11	1.01	1.11
27	0.84	0.82	0.88	0.95	0.88	1.00	0.91	0.91	0.72	0.82	0.78	0.56
28	0.60	0.52	0.68	0.77	0.71	0.99	0.80	0.45	0.68	0.76	0.81	0.84
29	0.85	0.94	0.99	0.95	0.96	1.20	1.11	1.26	1.50	1.37	1.15	1.04
30	0.92	0.94	0.91	1.09	1.18	1.35	1.18	0.75	1.02	0.84	0.63	0.72
31												
Promedio	1.11	1.12	1.15	1.12	1.14	1.18	1.10	1.02	1.03	1.04	0.98	1.00

CONDUCTIBILIDAD NEGATIVA $\lambda^- . 10^{-4}$

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	0.60	0.62	0.60	0.49	0.56	0.55	0.27	0.52	0.57	0.84	1.11	1.05
2	0.92	0.87	0.76	0.78	0.75	0.83	0.92	0.64	0.82	0.93	0.89	0.76
3	-	-	-	-	-	-	-	1.19	1.06	1.15	0.94	0.78
4	1.10	1.23	1.18	1.10	1.10	1.20	1.14	1.12	1.07	1.19	1.02	1.27
5	1.19	1.05	0.89	1.00	1.14	0.92	0.79	0.35	0.62	0.65	0.87	0.85
6	0.84	0.94	0.98	1.05	1.14	1.20	1.32	1.28	1.12	1.00	0.98	1.00
7	0.74	0.93	0.91	0.89	0.90	0.87	0.93	0.88	0.87	0.80	0.94	0.92
8	0.93	0.92	0.74	0.78	0.90	0.93	0.81	0.72	0.77	0.66	0.64	0.59
9	0.58	0.37	0.81	1.04	1.11	0.75	0.97	1.44	0.95	0.67	0.46	0.59
10	0.91	0.92	1.36	1.39	1.09	-	-	-	-	-	-	-
11	1.02	0.84	0.84	0.81	1.09	0.91	0.88	0.49	0.59	0.71	1.16	1.11
12	1.24	1.31	1.26	1.51	1.51	1.51	0.98	1.05	1.24	1.19	1.09	1.09
13	1.15	1.03	1.08	1.13	1.20	1.20	1.25	1.20	1.15	1.14	1.05	1.21
14	1.03	0.87	0.89	0.85	0.81	0.81	0.85	0.86	0.87	0.80	0.94	0.99
15	0.85	1.08	0.94	0.85	1.05	1.25	1.10	0.64	1.05	0.90	0.98	1.36
16	1.20	1.04	1.02	1.11	1.14	0.78	0.73	0.49	0.56	0.60	0.39	0.42
17	1.16	1.24	1.26	1.30	1.31	1.33	1.15	0.93	0.97	1.02	1.09	0.90
18	1.24	1.30	1.19	1.12	1.26	1.12	1.02	1.03	1.02	1.10	0.98	1.10
19	1.47	1.20	1.18	1.08	1.06	1.25	0.94	0.78	1.01	0.87	0.85	0.79
20	1.20	1.23	1.13	1.02	1.10	1.23	1.15	0.98	0.89	0.83	0.77	0.90
21	1.21	1.41	1.26	1.26	1.26	1.28	1.13	1.15	1.05	1.11	0.98	1.01
22	1.17	1.24	1.49	1.15	1.68	1.71	0.81	0.79	0.78	1.14	0.86	0.92
23	0.71	0.82	1.18	1.01	1.57	0.37	0.29	0.37	0.27	0.58	0.48	0.44
24	-	-	-	-	-	-	-	-	-	-	-	1.49
25	1.12	1.10	1.26	1.25	1.18	1.08	0.88	0.84	0.77	1.00	1.02	1.05
26	1.33	1.38	1.35	1.37	1.45	1.53	1.34	1.28	1.22	0.98	0.91	0.98
27	0.53	0.53	0.59	0.63	0.56	0.47	0.64	0.56	0.55	0.59	0.55	0.56
28	0.49	0.39	0.51	0.49	0.56	0.71	0.60	0.47	0.71	0.63	0.81	0.85
29	0.69	0.85	0.85	0.76	0.80	1.07	1.29	1.32	1.32	0.90	0.95	0.97
30	0.68	0.83	0.69	0.69	0.81	0.86	0.96	0.62	0.56	0.71	0.61	0.59
31												
Promedio	0.98	0.98	1.01	1.00	1.07	1.03	0.93	0.86	0.87	0.88	0.87	0.92

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
1.03	1.03	1.03	0.86	0.71	0.52	0.52	0.63	0.65	0.73	0.79	0.81	0.74
1.34	1.60	1.73	1.78	1.35	1.41	0.88	0.93	1.32	1.17	1.36	-	1.19
0.89	1.02	0.85	0.86	0.76	0.71	0.74	0.83	0.98	0.92	1.04	0.97	0.96
1.18	1.19	1.08	0.83	0.84	0.71	0.69	1.10	1.05	1.23	1.25	1.41	1.13
0.97	0.90	1.06	1.07	1.22	0.98	1.07	0.93	0.91	0.76	0.79	0.84	1.04
1.23	0.98	1.05	1.19	0.99	1.07	0.81	1.11	0.95	0.93	0.90	0.76	1.12
0.76	0.87	0.87	0.78	0.78	0.87	0.96	0.90	0.81	0.96	0.92	1.02	0.93
0.74	0.76	0.79	0.82	0.56	0.48	0.63	0.82	0.60	0.66	0.71	0.72	0.77
0.83	0.80	0.74	0.72	0.60	0.41	0.63	0.68	0.98	0.99	1.03	1.17	0.89
-	-	-	-	-	0.84	0.58	0.63	0.98	0.92	0.92	1.05	0.87
1.17	1.19	1.27	1.05	1.16	1.19	1.35	1.26	1.53	1.39	1.42	1.39	1.15
1.15	1.12	1.17	1.13	1.25	1.26	1.15	1.12	1.08	1.12	1.20	1.14	1.19
1.14	0.93	1.08	0.74	0.66	0.94	1.10	1.09	1.18	1.02	0.97	0.97	1.08
1.09	1.04	1.09	0.93	0.79	0.92	0.79	0.89	0.96	0.92	0.96	1.05	0.95
1.80	1.68	1.34	1.10	0.98	0.77	0.95	0.99	0.86	1.40	1.19	1.34	1.12
0.60	0.68	0.63	0.68	0.77	0.45	0.39	0.67	0.79	0.91	0.86	1.11	0.88
1.31	1.19	1.19	1.30	1.22	0.78	0.83	1.14	1.12	1.29	1.37	1.36	1.22
1.10	1.08	1.08	1.06	1.03	0.96	0.58	0.69	0.89	0.79	1.00	1.34	1.12
0.72	1.01	0.88	0.71	0.66	0.54	0.39	0.41	0.78	1.08	1.23	1.39	1.00
1.09	1.12	0.96	0.78	0.78	0.72	0.81	0.74	0.74	0.59	0.95	1.28	1.01
0.97	0.97	1.07	1.06	1.06	1.04	0.98	0.46	1.56	1.71	1.31	1.19	1.23
0.96	0.81	0.76	0.89	0.78	1.08	0.87	1.04	1.20	0.71	0.90	0.58	1.15
0.53	0.81	1.19	0.89	0.58	0.32	0.31	0.44	0.35	-	-	-	0.59
1.29	1.23	1.21	1.21	1.15	0.87	0.85	1.04	0.92	0.99	1.05	1.16	1.11
1.24	1.25	1.13	1.23	1.26	1.27	1.41	1.44	1.31	1.42	1.39	1.51	1.29
1.25	1.22	1.22	1.16	1.30	1.07	1.10	0.84	0.68	0.87	0.68	0.76	1.20
0.49	0.68	0.62	0.66	0.69	0.51	0.45	0.47	0.51	0.52	0.73	0.51	0.70
1.01	0.91	0.97	0.91	0.78	0.64	0.50	0.54	0.74	0.63	0.60	0.82	0.74
1.12	1.12	1.30	1.26	1.23	0.78	0.79	0.78	1.10	0.98	1.15	1.11	1.08
0.74	0.76	0.68	0.82	0.69	0.43	0.46	0.57	0.47	0.66	0.36	-	0.79
1.03	1.03	1.04	0.98	0.92	0.82	0.79	0.84	0.93	0.97	1.00	1.06	1.02

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
1.01	1.01	0.89	0.79	0.55	0.46	0.46	0.42	0.46	0.64	0.76	0.83	0.67
0.86	1.01	0.96	0.94	0.49	-	-	-	-	-	-	-	0.83
0.77	0.71	0.67	0.72	0.58	0.46	0.51	0.70	0.77	0.94	0.91	0.82	0.80
1.10	1.13	0.91	0.70	0.57	0.60	0.65	0.87	0.95	1.07	1.12	1.36	1.03
0.82	0.77	0.89	0.75	1.03	0.79	0.87	0.60	0.62	0.53	0.53	0.78	0.80
1.15	0.98	1.10	1.11	1.02	0.78	0.69	0.92	0.85	0.81	0.67	0.65	0.98
0.99	0.97	1.02	0.77	0.64	0.69	0.71	0.80	0.77	0.94	0.85	0.99	0.86
0.59	0.72	0.66	0.53	0.44	0.30	0.44	0.74	0.38	0.42	0.51	0.53	0.65
0.67	0.64	0.59	0.55	0.50	0.36	0.55	0.60	0.88	0.90	0.74	0.97	0.74
-	-	-	-	-	0.62	0.51	0.58	0.71	0.71	0.60	0.81	0.85
1.09	1.11	1.11	1.05	1.09	1.04	1.07	1.18	1.31	1.24	1.12	1.31	1.01
1.02	1.06	1.06	0.86	1.05	1.16	0.95	1.02	0.97	1.17	1.15	1.15	1.15
1.04	0.89	0.89	0.65	0.62	0.92	0.92	1.07	1.16	1.02	0.87	0.94	1.03
0.98	0.95	0.87	0.69	0.66	0.64	0.64	0.71	0.73	0.85	0.76	1.00	0.84
1.45	1.46	1.03	0.90	0.97	0.77	0.77	0.77	0.56	0.75	0.94	1.11	0.98
0.50	0.57	0.57	0.55	0.39	0.32	0.32	0.45	0.55	0.71	0.87	0.92	0.68
1.17	1.11	1.04	1.16	1.09	0.76	0.71	1.01	0.92	1.16	1.19	0.95	1.08
1.08	0.96	1.00	0.89	0.85	0.75	0.46	0.53	0.62	0.60	0.95	1.02	0.97
0.83	0.80	0.71	0.59	0.59	0.40	0.29	0.40	0.80	0.92	0.98	1.06	0.87
0.93	1.01	0.77	0.69	0.69	0.67	0.71	0.72	0.71	0.54	0.94	1.16	0.92
0.87	0.90	0.95	0.94	0.96	0.96	0.98	0.84	1.60	1.75	1.15	0.97	1.12
0.71	0.59	0.60	0.69	0.49	0.67	0.45	0.60	0.76	0.58	0.87	0.72	0.89
0.41	0.80	1.06	0.64	0.34	0.30	0.25	0.30	0.25	-	-	-	0.59
1.02	0.97	0.99	0.98	0.84	0.64	0.58	0.76	0.69	0.81	0.92	1.04	0.90
1.07	1.13	1.05	1.15	0.94	1.15	0.94	1.27	1.17	1.20	1.20	1.33	1.09
1.05	1.02	1.04	0.91	0.94	0.70	0.66	0.49	0.46	0.53	0.44	0.53	1.00
0.42	0.53	0.53	0.51	0.40	0.28	0.36	0.36	0.32	0.36	0.49	0.39	0.49
0.82	0.79	0.84	0.69	0.69	0.37	0.42	0.51	0.56	0.51	0.42	0.69	0.60
1.14	1.11	1.11	1.02	0.78	0.49	0.41	0.47	0.66	0.71	0.78	0.77	0.88
0.57	0.58	0.55	0.67	0.47	0.30	0.30	0.39	0.34	0.65	0.31	-	0.60
0.90	0.91	0.88	0.80	0.71	0.63	0.61	0.69	0.74	0.82	0.82	0.92	0.87

IONES LIVIANOS POSITIVOS "n^+" por cm^3

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	521	477	477	477	390	347	260	217	390	999	1194	1075
2	608	564	570	570	614	390	434	521	390	564	614	707
3	303	614	657	564	608	608	564	564	521	564	707	657
4	787	657	657	521	564	608	521	477	564	657	707	744
5	1035	911	868	868	787	868	868	570	695	657	1314	1434
6	787	911	868	911	995	1035	1115	1114	1114	1515	1475	1435
7	521	695	744	707	707	787	707	742	911	695	521	217
8	434	521	521	564	608	707	608	564	608	955	1035	830
9	477	390	434	434	477	477	303	260	260	347	390	744
10	782	868	521	955	825	995	738	825	657	521	521	477
11	744	707	651	608	825	825	707	477	608	521	868	911
12	868	825	744	911	911	955	868	782	782	782	657	707
13	477	434	390	347	390	564	657	521	434	390	390	434
14	434	390	347	260	217	260	260	260	303	347	260	217
15	564	738	614	477	347	434	347	434	390	390	695	955
16	995	1035	868	911	868	782	744	614	707	477	347	564
17	1035	1035	995	1035	995	787	608	564	707	782	868	390
18	868	955	903	868	825	825	782	707	707	707	782	782
19	1115	782	657	657	614	868	614	521	742	707	657	608
20	825	868	825	831	744	868	782	744	707	782	744	830
21	782	868	782	868	707	825	707	707	707	707	707	657
22	657	527	1035	1234	1154	1115	871	707	608	868	951	1031
23	130	217	130	174	130	130	174	217	260	521	217	303
24	174	217	174	347	390	521	434	707	744	707	707	738
25	1075	1035	1075	1155	995	1114	1115	1075	1035	1355	951	1274
26	1194	1154	1115	1115	1115	1115	1075	1230	1434	1752	1673	1595
27	434	434	477	390	303	260	217	303	347	434	434	614
28	347	303	434	477	521	744	390	303	260	707	1035	1195
29	477	564	521	477	521	707	868	868	1274	1335	1515	1194
30	477	347	347	347	303	260	217	260	434	303	901	1194
31												
Promedio	664	668	647	669	648	693	618	595	643	735	794	817

IONES LIVIANOS NEGATIVOS "n^-" por cm^3

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	226	312	269	226	188	150	150	150	269	970	1355	1154
2	488	376	301	488	338	226	376	451	312	488	451	564
3	112	231	269	150	112	312	312	344	413	526	526	488
4	413	526	564	451	451	526	526	381	413	381	413	526
5	451	526	451	602	602	526	376	226	269	188	864	1219
6	381	413	372	451	564	451	752	639	677	1320	1390	1320
7	-	-	-	-	-	-	-	-	-	-	-	-
8	752	676	601	488	602	602	602	677	601	828	940	790
9	269	112	188	150	269	269	226	269	226	226	269	451
10	344	193	457	488	338	37	226	150	376	269	312	312
11	526	451	413	426	564	451	376	150	312	226	639	752
12	715	828	790	828	714	676	451	526	602	676	639	676
13	451	451	451	526	526	564	564	602	602	602	602	526
14	376	376	312	312	312	312	376	312	376	376	376	376
15	150	381	269	231	269	344	312	75	188	344	639	790
16	451	376	451	526	601	263	188	269	75	226	112	344
17	828	866	866	790	752	677	526	413	602	714	790	376
18	639	714	676	676	639	639	564	526	451	526	639	676
19	752	419	419	419	312	451	344	226	344	451	488	451
20	563	564	639	564	564	602	451	413	376	376	602	602
21	564	526	602	526	602	451	451	451	488	526	451	451
22	226	312	676	753	564	790	489	226	226	344	312	563
23	-	-	-	-	-	-	-	75	75	269	150	150
24	564	526	376	376	413	413	376	344	226	376	344	344
25	828	828	828	866	790	714	677	488	526	978	676	978
26	976	828	828	752	752	752	676	677	978	1289	1390	1320
27	150	75	150	150	150	150	150	150	150	75	112	188
28	75	75	150	150	150	150	75	150	150	344	864	1082
29	312	376	312	312	312	312	413	602	826	1012	1250	940
30	150	150	75	75	75	150	150	150	226	150	565	902
31												
Promedio	455	446	456	455	447	427	398	349	392	520	626	666

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
995	995	951	868	477	303	434	434	390	521	477	521	591
825	868	911	868	614	390	303	260	174	174	174	174	512
608	434	521	564	564	434	521	657	657	614	608	477	566
1115	1314	1115	951	744	695	782	1155	955	955	995	1035	803
1314	1115	995	911	1075	868	868	707	657	221	221	657	878
1354	1275	1155	1115	1035	825	744	744	744	657	564	434	997
390	564	477	831	694	657	477	347	434	347	347	390	580
782	744	787	657	477	347	260	260	347	390	434	434	578
868	868	825	651	434	347	347	521	608	707	787	911	536
564	477	608	707	564	614	384	477	657	657	707	707	659
868	868	868	825	868	782	707	782	825	744	868	868	764
657	782	782	868	911	738	707	707	707	657	564	477	764
527	434	564	390	347	477	521	521	477	390	434	434	456
390	614	707	614	608	564	521	564	477	521	521	564	426
1235	1475	1434	1194	991	657	868	868	657	955	955	1035	780
868	787	868	744	477	303	260	521	608	707	707	995	698
744	868	787	707	868	738	521	707	707	868	782	707	784
744	707	738	695	831	744	390	390	614	521	744	955	741
707	707	657	657	564	390	217	174	390	695	868	868	643
868	825	868	707	657	477	347	347	347	894	744	744	724
608	608	521	694	521	694	694	391	950	1154	1031	782	736
1155	995	955	955	831	657	477	303	217	174	174	130	741
217	521	744	570	260	174	260	347	217	130	174	174	226
911	1194	1314	1114	1075	911	707	782	825	782	868	911	719
1354	1314	1390	1194	1035	1194	1274	1234	1115	1035	1035	1154	1149
1517	1275	1194	1035	995	991	787	707	524	614	477	434	1088
782	744	707	657	707	608	434	347	390	347	347	347	461
995	1114	995	707	707	477	303	347	334	390	434	434	586
1274	1354	1314	1390	1314	903	694	434	521	707	707	608	898
868	738	657	744	390	303	217	174	174	217	260	260	433
870	886	880	819	721	609	534	540	560	601	610	621	685

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
-	-	-	-	-	-	-	112	150	269	413	488	403
639	564	564	451	231	269	226	150	150	226	150	112	358
488	451	344	344	150	226	226	344	376	488	451	451	339
974	1219	866	677	451	344	344	714	639	639	564	526	564
1052	902	714	488	563	451	451	226	150	150	150	231	493
1320	1120	1086	940	752	451	312	451	-	-	-	-	758
-	-	-	-	-	-	-	-	790	790	714	752	762
676	639	639	344	226	231	344	381	188	150	312	226	521
488	602	564	301	150	188	188	269	376	526	451	526	316
376	451	488	381	188	226	150	188	312	301	381	376	305
639	676	676	601	564	488	451	451	677	602	676	676	519
677	602	602	488	451	301	376	451	451	602	526	488	589
526	381	376	269	226	413	526	413	526	413	376	376	470
488	526	526	488	226	226	188	231	263	376	188	226	339
1008	1220	1220	1120	714	451	488	413	231	344	451	564	509
564	451	601	451	312	226	150	226	312	376	451	677	362
526	526	488	451	451	269	226	413	376	564	639	526	569
714	451	564	451	413	413	226	188	301	312	451	602	519
526	451	451	488	301	188	150	150	269	344	488	488	390
488	451	376	344	269	226	226	226	312	413	413	602	444
526	488	488	488	526	526	451	752	-	-	639	413	518
790	602	676	526	301	226	188	150	150	-	-	-	433
188	381	451	226	150	226	526	231	231	344	312	526	265
488	828	902	676	639	413	301	344	413	451	639	639	475
1052	978	1219	866	676	790	676	752	752	676	676	866	798
1250	976	976	639	488	338	112	75	150	112	75	112	688
639	564	451	344	188	112	150	150	112	150	112	75	196
828	976	790	602	344	150	150	150	188	188	112	150	335
1120	1086	1154	1052	752	419	150	150	150	226	150	75	561
676	602	376	451	150	112	150	226	150	150	150	150	257
704	684	665	534	388	318	289	310	327	377	397	425	461

IONES PESADOS POSITIVOS "N^+" por cm^3

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	-	-	-	-	-	-	-	9860	8950	3585	1795	2690
2	3585	5380	-	-	-	-	-	-	8950	6295	5380	12590
3	-	-	-	-	-	-	-	-	-	-	-	-
4	2690	3585	-	-	-	24950	7180	5380	4490	5380	3585	2690
5	3585	3585	3585	3585	3585	3585	3585	-	-	10770	4490	6295
6	5380	4490	3585	3585	3585	3585	2690	3585	3585	5380	7180	5380
7	5380	5380	3585	3585	3585	4490	3585	3585	3585	3585	3585	1795
8	3585	3585	3585	5380	3585	3585	3585	4490	5380	5380	6295	5380
9	5380	6295	5380	7180	11690	9860	12590	16130	17950	14350	9860	8950
10	4490	4490	4490	3585	3585	3585	5380	3585	5380	6295	5380	5380
11	3585	-	-	-	-	-	-	6295	5380	6295	2690	2690
12	1795	1795	2690	1795	1795	2690	1795	3585	1795	1795	1795	3585
13	2690	1795	1795	1795	1795	2690	1795	1795	2690	3585	1795	1795
14	1795	1795	1795	1795	2690	1795	1795	1795	1795	1795	1795	898
15	2690	2690	2690	2690	4490	4490	4490	3585	6295	4490	3585	1795
16	1795	3585	3585	2690	2690	5380	5380	8060	8060	8950	20350	5380
17	2690	2690	1795	1795	2690	2690	3585	3585	3585	3585	3585	3585
18	2690	1795	2690	2690	2690	2690	3585	3585	3585	3585	2690	1795
19	1795	2690	3585	4490	3585	4490	5380	7180	5380	5380	3585	2690
20	2690	1795	2690	2690	3585	3585	3585	5380	3585	4490	3585	2690
21	3585	2690	2690	2690	2690	3585	3585	2690	2690	3585	1795	2690
22	3585	3585	1795	1795	898	1795	2690	898	3585	898	1795	3585
23	17950	16130	12590	16130	11690	10770	8060	6295	12590	6295	3585	5380
24	9860	8950	8060	4490	3585	3585	3585	2690	2690	3585	3585	1795
25	2690	2690	1795	10770	3585	8950	7180	3585	4490	2690	2690	3585
26	1795	1795	2690	1795	2690	1795	1795	2690	3585	3585	3585	3585
27	8950	8950	8950	8060	8060	7180	8060	7180	10770	10770	10770	10770
28	10770	10770	7180	8950	10770	5380	7180	898	20350	7180	5380	6295
29	7180	4490	5380	5380	4490	4490	3585	2690	3585	3585	3585	3585
30	5380	7180	8060	5380	7180	5380	7180	8950	12250	20350	7180	6295
31												
Promedio	4644	4617	4269	4591	4450	5271	4726	4816	6429	5776	4722	4332

IONES PESADOS NEGATIVOS "N^-" por cm^3

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	-	-	-	-	-	-	-	9860	6295	2690	2690	3585
2	4490	3585	-	-	-	-	-	-	8950	7180	8950	8060
3	-	-	-	-	-	-	-	-	-	-	-	-
4	6295	25150	-	-	-	26920	7180	8060	6295	7180	6295	4490
5	4490	6295	5380	4490	6295	7180	3585	-	-	8950	8060	8950
6	4490	5380	5380	5380	3585	4490	2690	1795	7180	6295	5380	7130
7	3585	2690	4490	2690	4490	2690	5380	6295	3585	7180	3585	5380
8	2690	3585	3585	3585	4490	1795	4490	1795	3585	6295	5380	8060
9	8060	6295	7180	7180	9860	8950	11690	16130	18870	11690	10770	8950
10	3585	5380	4490	5380	2690	7180	10770	3585	8950	4490	2695	8950
11	6295	-	-	-	-	-	-	8060	8060	8060	5380	8060
12	5380	7180	7180	6295	5380	8950	8950	10770	5380	8950	-	6295
13	14350	14350	14350	17050	12590	21520	28730	13430	3585	12590	25150	6295
14	7180	14350	13430	14350	15250	15250	18870	898	11690	8950	17950	-
15	7180	25150	29600	22360	27800	26000	26900	15250	26000	-	10770	7180
16	5380	5380	7180	18870	8060	5380	10770	12590	10770	16130	12590	8950
17	2690	4490	1795	4490	4490	2690	5380	7180	6295	3585	2690	8060
18	3585	2690	4490	4490	5380	8060	5295	4490	8950	4490	4490	5380
19	6295	7180	6295	6295	5380	6295	10770	14350	7180	10770	7180	-
20	8060	7180	5380	8060	8060	8950	7180	10770	8060	6295	7180	4490
21	8060	8950	5380	8950	8950	8950	8950	5380	10770	20350	6295	8060
22	5380	5380	5380	3585	5380	4490	4490	8060	11690	3585	5380	17050
23	20350	21520	18870	13870	15250	12590	8060	10770	11690	4490	6295	5380
24	13430	8950	8950	8060	5380	3585	5295	4490	6295	5380	3585	4490
25	4490	4490	4490	4490	9860	-	5380	6295	7180	6295	2690	4490
26	898	898	898	2690	1795	2690	898	898	898	8060	1795	1795
27	9860	8060	9860	8060	7180	6295	8950	5380	7180	8060	10770	5330
28	13430	13430	9860	8060	6295	4490	26000	20700	28730	2690	3060	3585
29	5380	3585	5380	6295	5380	5380	898	3585	1795	5380	898	898
30	4490	6295	3585	4490	6295	5380	5380	10770	21520	18870	1795	3585
31												
Promedio	6780	8440	7714	8221	7823	8646	9420	8209	9551	8033	7084	6408

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
2690	1795	2690	3585	6295	12590	7180	7180	7180	4490	4490	3585	5331
5380	3585	3585	3585	5380	17950	17950	18870	-	-	-	-	9872
-	-	3585	3585	5380	8060	8060	5380	4490	3585	3585	3585	4930
2690	2690	3585	4490	7180	5380	4490	3585	3585	3585	3585	3585	5160
7180	5380	4490	5380	12590	5380	6295	6295	6295	8060	7180	5380	5752
4490	5380	4490	4490	4490	3585	6295	4490	5380	5380	3585	5380	4560
2260	3585	1795	3585	5380	3585	5380	1795	3585	2690	2690	3585	3568
7180	6295	8060	6295	8950	8950	12590	21520	10770	8060	5380	5380	6802
5380	6295	8950	7180	8950	12590	11690	8950	5380	4490	3585	3585	8860
6295	3585	3585	5380	17950	20350	5380	6295	3585	5380	3585	2690	5820
3585	3585	2690	2690	2690	10770	4490	2690	2690	1795	1795	1795	3789
2690	2690	1795	2690	2690	3585	3585	2690	3585	1795	1795	2690	2466
1795	1795	898	3585	3585	3585	2690	2690	898	17950	2690	1795	2915
1795	898	1795	2690	3585	4490	6295	4490	4490	1795	3585	2690	2506
1795	1795	898	1795	898	1795	1795	1795	-	3585	1795	1795	2770
7180	8060	7180	5380	8950	13430	17050	8950	7180	5380	3585	2690	7122
3585	3585	3585	4490	3585	3585	10770	4490	3585	3585	1795	3585	3587
1795	1795	1795	3585	3585	6295	9860	8060	7180	8060	4490	2690	3886
1795	1795	3585	7180	8060	11690	17950	25150	12590	5380	2690	1795	6245
2690	2690	2690	3585	5380	5380	8060	8950	8060	7180	3585	5380	4333
3585	3585	1795	1795	2690	1795	2690	2690	1795	3585	7180	7180	3139
5380	5380	5380	4490	7180	4490	6295	8950	13430	16130	17950	17950	5830
4490	3585	3585	2690	9860	15250	21520	10770	11690	9860	8950	13430	10131
1795	1795	2690	2690	3585	-	-	-	1795	4490	4490	3585	3970
2690	2690	1795	1795	4490	1795	1795	1795	1795	1795	1795	2690	3400
4490	4490	3585	3585	2690	4490	5380	6295	11690	8950	7180	8950	4298
8950	8950	7180	8060	7180	8950	14350	15250	11690	12590	12590	9860	9753
3585	4490	4490	6295	5380	8060	12590	8950	5380	6295	7180	7180	7541
3585	3585	2690	2690	3585	5380	5380	9860	7180	4490	5380	7180	4709
7180	7180	8060	6295	8060	9860	28730	23350	15250	9860	8950	8950	10266
4068	3897	3766	4187	6038	7693	9192	8352	6507	6216	5073	5194	5451

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
4490	3585	5380	5380	8950	16130	10770	8950	12590	4490	4490	4490	6754
6295	6295	4490	13430	17950	24200	18870	-	-	-	-	-	10211
-	-	6295	8060	8060	12590	8950	8060	4490	6295	5380	4490	7267
7180	6295	4490	8950	7180	8950	7180	4490	4490	5380	6295	5380	8292
5380	8060	4490	-	8950	8060	4490	5380	8950	9860	7180	7180	6745
4490	6295	6295	2690	4490	5380	6295	5380	4490	6295	7180	3585	5087
1795	2690	5380	3585	5380	4490	5380	4490	6295	2690	3585	1795	4150
8950	6295	5380	9860	8950	11690	23360	16130	18870	7180	5380	6295	7403
8950	8950	7180	7180	8950	11690	9860	7180	7180	2690	1795	3585	8784
5380	4490	6295	8060	8950	8950	10770	6295	5380	5380	4490	6295	6353
6295	8950	8060	7180	7180	8950	7180	5380	7180	8950	5380	4490	7172
8950	1795	7180	10770	7180	8060	11690	10770	9860	13430	8950	10770	8266
10770	12590	14350	-	17050	17950	9860	6295	17950	17950	16130	11690	14677
29600	21520	13430	34080	-	28730	20350	15250	-	18870	15250	16130	16732
10770	21150	30580	14350	-	14350	32300	6295	-	10770	3585	-	18467
9860	8950	7180	6295	10770	14350	17050	10770	9860	3585	7180	5380	9720
6295	6295	5380	5380	5380	5380	8950	5380	8950	6295	4490	6295	5346
3585	11690	5380	2690	7180	6295	17050	13430	5380	8060	6295	4490	6430
7180	14350	10770	18870	10770	20350	24200	27800	11690	7180	5380	5380	10952
8060	7180	8950	6295	8950	8950	13430	12590	12590	17950	8060	8950	8818
17950	8060	14350	20350	8950	5380	4490	6295	6295	16130	12590	8060	9914
17050	8950	8060	6295	7180	8060	11690	12590	15250	26900	25150	23360	10433
5380	2690	7180	10770	14350	18870	15250	13430	17050	17950	13430	13430	12913
4490	20700	7180	5380	-	-	-	8060	8950	7180	7180	7180	7390
4490	4490	898	5380	1795	3585	898	898	1795	4490	2690	1795	4059
3585	3585	4490	2690	3585	2690	8060	6295	10770	4490	9860	8950	3886
5380	8950	5380	6295	5380	6295	17050	16130	8060	17950	12590	8060	8856
4490	7180	8060	4490	8060	11670	14350	8060	5380	4490	8060	6295	9830
3585	1795	3585	5380	2690	4490	7180	8950	5380	3585	7180	5380	4335
8950	8950	4490	6295	6295	11690	22400	20350	9860	10770	5380	22400	9595
7918	8372	7687	8801	8169	10973	12736	9702	9074	9560	7951	7914	8631

POTENCIAL ATMOSFÉRICO en V/M.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	91	91	76	- 16	27	125	130	83	93	87	91	58	70	81	95
2	115	139	137	130	135	152	173	207	127	251	253	168	156	154	154
3	-	-	-	-	-	-	-	-	93	93	81	76	76	62	62
4	-	-	-	-	-	-	-	104	131	131	145	145	104	97	104
5	90	90	83	90	90	83	83	97	117	152	186	172	138	117	110
6	- 28	90	131	166	152	34	166	117	124	193	179	110	104	62	138
7	48	55	21	41	48	34	48	-	-	-	124	207	179	124	104
8	138	152	179	278	297	220	213	374	345	426	328	239	179	186	193
9	83	90	83	83	90	104	104	76	90	110	110	97	97	104	97
10	83	76	62	48	48	48	48	41	41	76	124	152	138	97	104
11	62	62	55	55	62	62	69	69	124	166	179	179	166	145	186
12	76	72	76	78	95	99	103	109	125	113	118	127	139	135	135
13	34	85	36	29	29	29	39	46	130	122	107	111	111	135	178
14	55	41	28	34	41	41	28	29	60	87	97	105	125	149	166
15	58	76	53	36	56	83	125	95	111	115	48	74	85	41	64
16	62	64	62	70	70	76	87	111	173	173	368	402	193	243	217
17	69	62	62	55	55	55	62	83	58	83	87	64	62	10	83
18	62	53	105	95	115	115	118	118	107	46	-114	-154	- 59	122	188
19	91	109	120	125	135	127	125	149	149	149	154	135	130	120	127
20	17	14	10	10	24	31	29	22	31	31	48	70	81	118	118
21	-	-	-	-	-	-	-	-	120	101	44	58	27	51	48
22	41	87	70	66	83	62	70	81	105	115	111	120	125	118	101
23	159	159	131	131	110	97	117	130	120	111	111	132	144	139	144
24	62	55	55	55	62	69	62	55	48	53	58	64	87	111	122
25	83	34	55	69	104	97	90	76	83	76	48	48	69	48	55
26	34	28	48	55	69	83	62	21	55	69	97	117	104	138	166
27	36	31	17	10	19	27	39	44	56	34	19	29	69	90	124
28	76	69	83	90	76	90	83	-	-	-	-	14	62	110	152
29	83	69	69	55	55	76	55	34	62	76	76	76	90	97	76
30	55	90	83	76	79	83	69	62	41	41	48	28	55	48	28
31	76	83	104	110	110	193	220	152	193	207	291	265	233	207	213
Prom.	79.0	83.3	82.4	81.8	91.0	101.0	106.2	106.8	117.9	133.0	136.2	126.6	116.9	125.0	136.0

RESUMEN DEL ESTADO ELÉCTRICO DEL AIRE

DÍAS	CONDUCTIBILIDAD "λ" . 10^{-4}				IONES LIVIANOS					
					número "n" por cm^3				velocidad	
	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-	n^+	n^-	$n^+ + n^-$	n^+ / n^-	K^+	K^-
1	0.96	0.71	1.67	1.35	570	356	926	1.60	1.17	1.39
2	0.78	0.63	1.41	1.23	396	-	-	-	1.37	-
3	-	-	-	-	617	-	-	-	-	-
4	1.59	1.35	2.94	1.17	666	914	1580	0.73	1.67	1.03
5	1.25	1.01	2.26	1.24	743	719	1462	1.03	1.19	1.41
6	0.60	0.52	1.12	1.15	282	-189	471	1.49	1.49	1.92
7	0.54	0.43	0.97	1.25	260	-	-	-	1.45	-
8	0.61	0.46	1.07	1.32	306	-	-	-	1.39	-
9	1.08	0.89	1.97	1.21	703	581	1284	1.21	1.54	1.07
10	0.89	1.10	1.99	0.81	518	374	892	1.38	1.20	2.06
11	1.02	0.78	1.80	1.31	658	415	1073	1.58	1.08	1.31
12	1.12	0.94	2.06	1.19	535	410	945	1.30	1.46	1.60
13	0.80	0.69	1.49	1.16	363	249	612	1.46	1.54	1.94
14	0.80	0.71	1.51	1.13	-343	405	748	0.85	1.63	1.22
15	-	-	-	-	471	-	-	-	-	-
16	0.55	0.44	0.99	1.25	499	280	779	1.78	0.77	1.06
17	0.75	0.69	1.44	1.09	395	404	799	0.98	1.33	1.19
18	0.72	0.65	1.37	1.11	257	258	515	1.00	1.41	1.76
19	0.81	0.76	1.57	1.06	356	302	658	1.18	1.59	1.76
20	1.00	0.97	1.97	1.03	518	510	1028	1.01	1.35	1.33
21	1.09	1.04	2.13	1.05	512	789	1301	0.65	1.47	0.92
22	0.91	0.76	1.67	1.20	447	351	798	1.27	1.43	1.51
23	0.81	0.70	1.51	1.16	618	972	1590	0.63	0.92	0.50
24	1.01	0.94	1.95	1.07	436	340	776	1.28	1.63	1.93
25	0.80	0.71	1.51	1.12	274	314	588	0.87	2.04	1.58
26	0.76	0.71	1.47	1.07	289	264	553	1.09	1.83	1.88
27	0.78	0.68	1.46	1.15	331	236	567	1.40	1.65	2.01
28	0.84	0.76	1.60	1.10	314	240	554	1.31	1.87	2.21
29	1.07	1.08	2.15	0.99	517	501	1018	1.03	1.44	1.51
30	1.70	1.69	3.39	1.00	824	854	1678	0.97	1.44	1.39
31	0.99	0.76	1.75	1.30	432	306	738	1.41	1.60	1.73
Prom.	0.94	0.84	1.78	1.12	470	414	884	1.13	1.39	1.42

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplit.	Tipo de Curva
107	117	159	193	193	166	135	115	115	103.4	224	-270	494	1
207	202	222	222	239	231	219	149	137	178.3	290	-118	408	1
66	66	53	48	62	44	64	91	56		109	19	90	0*
110	110	104	117	117	117	97	90	90		166	76	90	0*
104	104	110	110	110	104	186	69	41	109.8	297	-124	421	1
172	110	55	83	55	62	34	41	62		322	-224	546	2
76	117	104	110	179	176	179	131	131		246	- 21	267	0*
193	239	186	179	251	246	226	152	117	231.0	422	- 21	443	1
138	117	117	200	193	179	110	104	90	111.1	322	28	294	0
97	76	117	159	166	131	104	83	55	90.6	252	21	231	0
172	278	220	213	172	117	117	104	83	129.9	368	34	334	0
147	207	193	226	207	156	137	120	103	129.0	275	10	265	0
205	197	122	113	115	120	107	66	66	97.2	280	- 62	342	1
166	154	193	152	149	113	91	70	53		272	00	272	0
87	58	101	99	111	122	99	66	58	80.0	185	- 14	199	1
159	239	256	239	193	212	132	107	91	166.6	500	53	447	0
87	122	113	51	29	74	44	66	64		154	132	286	2
185	154	154	137	120	111	115	120	101	87.7	280	-272	552	1
107	135	154	62	58	39	10	19	12		280	- 41	321	2
161	179	130	91	64	58	60	66	62		227	00	227	0
29	46	34	34	36	46	29	17	48		168	- 53	221	1*
99	-	-	-	-	70	78	76	66		193	- 40	233	1*
152	178	190	185	144	90	69	62	48	127.2	239	34	205	0
127	122	144	127	97	101	66	70	62	80.6	120	34	86	0
104	117	159	152	152	110	69	76	62	84.8	259	- 62	321	1
131	131	104	117	124	138	83	55	48	86.5	284	00	284	0
166	145	117	90	97	76	76	55	62		272	00	272	0
124	145	138	159	152	104	69	62	76		272	00	272	0*
97	117	179	117	14	34	28	51	29		716	-594	1310	2
28	48	48	55	69	97	69	55	69	58.9	117	21	138	1
233	246	213	226	166	152	110	90	83	174.0	368	- 28	396	1
143.1	157.2	156.4	164.0	157.2	143.5	119.6	91.9	79.4	118.1				

IONES PESADOS número "N" por cm^3				CORRIENTE VERTICAL "i" . 10^{-7} U.E.S.	NÚCLEOS AITKEN
N^+	N^-	$N^+ + N^-$	N^+ / N^-	por cm^2	por cm^3
9123	10723	19846	0.95	5.76	10,500
13506	16271	29577	0.83	8.38	30,500
7399	7066	14465	1.05	-	7,500
4861	6092	10953	0.80	-	11,700
6914	11120	18034	0.62	8.27	19,500
12481	18480	30961	0.68	-	21,700
10754	11283	22037	0.95	-	10,750
10239	10693	20932	0.96	8.24	5,250
5526	5527	11053	1.00	7.30	14,500
8452	9968	18420	0.85	6.01	7,250
5422	5971	11393	0.91	7.79	25,000
6461	7847	14308	0.82	8.89	15,000
9763	10845	20608	0.90	4.83	24,500
6036	8477	14513	0.71	-	19,500
-	-	-	-	-	9,750
10318	13010	23328	0.79	5.50	39,000
5829	8967	14796	0.65	-	-
6166	9196	15362	0.67	4.00	36,000
11180	15036	26216	0.74	-	27,000
5733	-	-	-	-	61,000
6436	13969	20405	0.46	-	12,500
8566	25214	33780	0.34	-	19,750
12335	28617	40952	0.43	6. 0	58,000
6353	6467	12820	0.98	5.24	17,000
9747	15709	25456	0.62	4.27	29,000
9674	17056	26730	0.57	4.24	27,750
12726	-	-	-	-	33,500
12132	19267	31399	0.63	-	26,000
7017	13126	20143	0.53	-	12,750
4971	15330	20300	0.32	6.66	38,750
16671	17950	34621	0.93	10.15	40,000
8732	12686	21418	0.69	6.58	23,700

CONDUCTIBILIDAD POSITIVA $\lambda^{+}.10^{-4}$

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	-	-	-	-	-	-	-	-	-	1.80	0.89	0.84
2	-	-	-	-	-	-	-	-	-	-	-	0.52
3	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-
5	1.87	1.55	1.72	1.76	1.79	1.91	1.92	1.71	1.42	1.38	1.09	0.82
6	0.46	0.49	0.43	0.54	0.67	0.42	0.57	0.45	0.53	0.60	0.76	0.85
7	-	-	-	-	-	-	-	-	-	-	-	-
8	0.79	0.74	0.56	0.63	0.61	0.78	0.71	0.45	0.42	0.46	0.43	0.55
9	1.01	1.01	1.36	1.48	1.69	1.01	1.30	1.36	1.13	0.95	1.15	1.25
10	1.23	0.75	0.80	0.66	1.27	1.14	0.63	0.70	0.67	0.93	0.95	1.15
11	0.60	0.79	0.93	1.06	1.27	1.36	1.00	0.96	1.08	0.89	1.09	1.21
12	1.52	1.65	1.46	1.53	1.31	1.38	1.30	1.06	1.12	1.13	0.96	0.97
13	-	-	-	-	-	-	-	-	-	-	0.89	0.96
14	0.93	0.86	0.82	0.85	0.89	0.85	0.71	0.69	0.65	0.74	0.80	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	0.79	0.82	0.79	0.84	0.93
18	0.76	0.71	0.69	0.77	0.85	0.79	0.74	0.74	0.69	0.69	0.66	0.61
19	0.61	0.77	0.67	0.58	0.58	0.66	0.74	0.76	0.67	0.74	0.74	0.81
20	1.43	1.57	1.70	1.63	1.72	1.59	1.57	-	-	-	-	-
21	0.61	0.62	0.69	-	-	-	-	1.21	1.76	1.18	0.78	0.97
22	1.37	1.21	1.27	1.15	0.77	1.20	1.48	1.48	1.14	0.93	0.62	0.87
23	0.59	0.63	0.58	0.56	0.50	0.55	0.53	0.66	0.96	0.94	0.79	0.68
24	1.44	1.53	1.41	1.30	1.19	1.17	1.10	0.99	0.92	0.87	0.95	0.80
25	1.17	0.58	-	-	-	-	-	0.68	1.21	0.87	0.98	0.89
26	-	-	-	-	-	-	-	-	-	0.70	0.72	0.90
27	0.73	0.84	0.92	0.87	0.69	0.76	0.81	0.82	0.79	0.69	0.71	0.89
28	-	-	-	-	-	-	-	-	0.82	0.73	0.83	0.89
29	1.08	1.02	0.92	0.98	0.90	0.87	0.80	0.77	0.77	0.76	0.99	0.82
30	1.87	1.72	1.70	1.96	2.15	2.10	2.16	2.06	1.67	1.37	1.60	1.38
31	1.66	1.61	1.59	1.54	0.82	0.71	1.09	1.39	0.86	1.07	0.83	0.98
Promedio	1.09	1.03	1.06	1.10	1.09	1.07	1.06	0.99	0.96	0.92	0.88	0.89

CONDUCTIBILIDAD NEGATIVA $\lambda^{-}.10^{-4}$

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	-	-	-	-	-	-	-	-	-	1.05	0.69	0.70
2	-	-	-	-	-	-	-	-	-	-	-	0.52
3	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-
5	1.40	1.36	1.45	1.43	1.63	1.70	1.62	1.34	1.39	1.07	0.83	0.62
6	0.41	0.37	0.36	0.42	0.54	0.37	0.32	0.37	0.47	0.58	0.77	0.81
7	-	-	-	-	-	-	-	-	-	-	-	-
8	0.53	0.53	0.46	0.47	0.47	0.51	0.38	0.35	0.34	0.36	0.34	0.44
9	0.75	0.88	1.02	1.14	1.36	0.78	0.92	0.73	0.77	0.82	1.11	1.13
10	0.98	0.72	1.73	1.95	1.10	2.53	2.50	0.51	0.67	0.78	0.94	1.03
11	0.35	0.53	0.74	0.77	0.95	0.90	0.76	0.66	0.75	0.82	0.70	0.92
12	1.25	1.37	1.53	1.35	1.17	1.20	1.05	1.05	0.99	0.95	0.93	0.77
13	-	-	-	-	-	-	-	-	-	-	0.76	0.94
14	0.82	0.77	0.71	0.77	0.77	0.72	0.62	0.59	0.60	0.68	0.77	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	0.79	0.67	0.69	0.83	0.86
18	0.67	0.64	0.64	0.67	0.77	0.72	0.62	0.67	0.60	0.67	0.64	0.60
19	0.60	0.71	0.64	0.55	0.53	0.60	0.67	0.64	0.62	0.64	0.64	0.67
20	1.42	1.46	1.72	1.67	1.71	1.48	1.40	1.23	1.25	-	-	-
21	0.46	0.58	0.55	-	-	-	-	1.34	1.66	1.37	-	0.96
22	1.19	1.06	0.94	1.02	0.58	1.02	1.23	0.95	0.85	0.84	0.58	0.79
23	0.51	0.51	0.51	0.46	0.46	0.46	0.46	0.56	0.92	0.76	0.73	0.62
24	1.41	1.43	1.44	1.28	1.24	1.07	1.00	0.88	0.79	0.88	0.85	0.82
25	0.66	-	-	-	-	-	-	0.67	1.03	0.77	0.92	0.80
26	-	-	-	-	-	-	-	-	-	0.85	0.77	0.80
27	0.73	0.77	0.87	0.72	0.57	0.62	0.62	-	-	0.59	0.73	0.83
28	-	-	-	-	-	-	-	-	0.69	0.65	0.75	1.02
29	0.91	0.89	0.85	0.87	0.77	0.75	0.69	0.73	0.69	0.88	0.90	0.74
30	2.27	1.74	1.73	1.96	2.21	2.16	2.15	2.02	1.70	1.48	1.54	1.24
31	1.43	1.46	0.91	1.14	0.65	0.54	0.81	0.70	0.62	0.67	0.73	0.76
Promedio	0.94	0.94	0.99	1.04	0.97	0.95	0.99	0.84	0.86	0.82	0.80	0.81

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
1.32	1.18	1.07	0.79	0.87	0.58	0.16	1.01	0.68	0.46	1.18	1.00	0.96
0.82	0.92	0.94	0.72	-	-	-	-	-	-	-	-	0.78
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	1.57	1.60'	1.60	1.59
1.10	1.04	1.11	1.07	1.13	1.22	0.93	0.76	0.79	0.56	0.78	0.56	1.25
0.89	0.86	0.65	0.66	0.62	0.79	0.55	0.37	0.38	-	-	-	0.60
-	-	0.38	0.56	0.69	0.62	0.57	0.49	0.39	0.47	0.55	0.66	0.54
0.73	0.91	0.95	1.02	1.05	0.41	0.32	0.29	0.30	0.35	0.51	0.72	0.61
1.21	1.21	1.16	1.12	0.60	0.77	0.60	0.66	0.86	1.00	0.99	0.97	1.08
1.36	1.06	0.84	0.99	0.65	0.48	0.37	-	-	-	1.34	0.65	0.89
1.06	1.02	0.83	0.79	0.76	0.74	0.48	0.92	1.37	1.34	1.25	1.56	1.02
0.96	0.87	0.87	0.82	0.64	0.67	-	-	-	-	-	-	1.12
1.00	0.92	0.87	0.76	0.82	0.78	0.80	0.63	0.60	0.68	0.59	0.85	0.80
-	-	-	-	-	-	-	-	-	-	-	-	0.80
-	-	-	-	-	-	-	-	-	-	-	-	-
-	0.44	0.51	0.72	0.59	0.50	-	-	-	-	-	-	0.55
0.87	0.74	0.73	0.71	0.72	0.64	0.63	0.58	0.61	0.79	0.79	0.76	0.75
0.66	0.72	0.61	0.74	0.73	0.76	0.81	0.89	0.78	0.62	0.68	0.66	0.72
0.69	0.74	0.83	0.83	-	-	-	-	1.09	1.14	1.24	1.31	0.81
-	-	-	0.60	0.56	0.41	0.47	0.50	0.47	0.52	0.63	0.70	1.00
1.23	1.06	1.30	1.36	1.26	1.07	1.01	1.06	1.23	1.21	1.12	1.25	1.09
0.92	0.82	0.93	0.86	0.91	0.69	0.69	0.68	0.52	0.38	0.42	0.54	0.91
0.72	0.80	0.78	0.76	0.76	0.73	0.80	0.89	0.91	1.36	1.38	1.49	0.81
0.80	0.82	0.84	0.82	0.87	0.93	0.76	0.91	0.95	0.86	1.09	0.99	1.01
0.76	0.72	0.86	0.77	0.86	0.61	0.50	0.58	0.72	0.84	-	-	0.80
0.85	0.76	0.76	0.69	0.76	-	-	-	-	-	0.76	0.67	0.76
0.87	0.83	0.79	0.76	0.89	0.70	0.61	0.73	-	-	-	-	0.78
0.91	0.82	0.78	0.74	0.77	-	-	-	-	0.85	0.99	0.95	0.84
0.73	0.79	0.82	0.66	0.90	1.23	0.95	1.00	1.69	2.43	1.99	1.82	1.07
1.53	1.73	1.68	1.71	1.69	1.73	1.43	1.39	1.40	1.50	1.68	1.56	1.70
0.95	0.79	0.65	0.76	0.60	0.79	0.89	0.72	0.69	0.77	0.91	1.06	0.99
0.96	0.90	0.87	0.84	0.83	0.78	0.68	0.75	0.82	0.94	1.02	1.02	0.94

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
1.06	1.02	0.84	0.68	0.67	0.37	0.27	0.77	0.53	0.33	1.00	0.66	0.71
0.71	0.69	0.69	0.56	-	-	-	-	-	-	-	-	0.63
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	1.37	1.31	1.38	1.35
0.88	0.79	0.92	0.95	0.87	0.76	0.45	0.51	0.72	0.44	0.63	0.46	1.01
0.80	0.73	0.65	0.62	0.56	0.69	0.44	0.36	0.29	-	-	-	0.52
-	-	0.44	0.51	0.61	0.51	0.32	0.32	0.35	0.35	0.38	0.47	0.43
0.59	0.69	0.80	0.82	0.66	0.33	0.25	0.25	0.25	0.25	0.46	0.59	0.46
1.08	1.08	1.01	0.87	0.79	0.57	0.40	0.60	0.69	0.85	1.01	0.91	0.89
1.08	0.77	0.65	0.60	-	-	-	-	-	0.95	1.00	0.35	1.10
0.89	0.89	0.75	0.69	0.62	0.49	0.64	0.37	0.91	1.12	1.13	1.31	0.78
0.81	0.71	0.69	0.59	0.57	0.57	0.37	-	-	-	-	-	0.94
0.87	0.72	0.71	0.72	0.77	0.64	0.51	0.53	0.46	0.60	0.62	0.80	0.69
-	-	-	-	-	-	-	-	-	-	-	-	0.71
-	-	-	-	-	-	-	-	-	-	-	-	-
-	0.39	0.46	0.53	0.44	0.36	-	-	-	-	-	-	0.44
0.79	0.67	0.64	0.62	0.62	0.53	0.60	0.60	0.63	0.79	0.74	0.72	0.69
0.64	0.64	0.51	0.64	0.59	0.65	0.69	0.78	0.67	0.51	0.64	0.64	0.65
0.65	0.69	0.64	-	-	-	-	-	1.07	1.15	1.41	1.40	0.76
-	-	0.60	0.55	0.53	0.40	0.44	0.40	0.44	0.49	0.58	0.62	0.97
1.18	0.98	1.22	1.24	1.15	0.92	0.85	0.92	1.02	1.14	1.00	1.14	1.04
0.77	0.71	0.82	0.82	0.80	0.63	0.55	0.49	0.42	0.34	0.40	0.46	0.76
0.62	0.73	0.69	0.64	0.64	0.65	0.60	0.76	0.89	1.16	1.33	1.23	0.70
0.77	0.77	0.73	0.77	0.82	0.72	0.57	0.78	0.76	0.65	0.94	1.08	0.94
0.72	0.66	0.77	0.77	0.55	0.56	0.49	0.54	0.62	0.76	-	-	0.71
0.72	0.69	0.67	0.67	0.64	-	-	-	-	0.77	0.65	0.58	0.71
0.77	0.72	0.69	0.59	0.74	0.53	0.51	0.58	-	-	-	-	0.68
0.76	0.71	0.64	0.57	0.62	-	-	-	-	0.80	0.96	1.01	0.76
0.64	0.71	0.77	0.56	0.83	0.73	1.05	1.01	2.77	2.56	2.36	2.24	1.08
1.62	1.67	1.70	1.67	1.73	1.61	1.23	1.57	1.27	1.27	1.49	1.47	1.69
0.67	0.60	0.53	0.67	0.53	0.62	0.74	0.60	0.55	0.56	0.80	1.01	0.76
0.84	0.78	0.75	0.73	0.72	0.63	0.57	0.64	0.76	0.83	0.94	0.96	0.84

IONES LIVIANOS POSITIVOS "n^+" por cm^3

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	303	347	211	174	347	390	390	521	564	707	657	564
2	564	434	260	347	521	564	434	303	260	174	174	174
3	174	260	390	521	614	477	434	434	521	988	1154	995
4	657	614	347	707	564	564	608	744	782	707	903	1035
5	564	744	911	782	868	955	782	744	903	991	868	911
6	174	174	217	260	307	307	217	217	260	390	307	608
7	260	347	-	-	-	-	-	260	390	130	174	174
8	347	347	260	260	260	307	217	217	260	260	174	303
9	657	614	707	825	955	651	744	608	657	787	911	1035
10	608	434	521	614	521	434	434	390	347	477	744	868
11	260	434	570	564	651	744	707	1140	695	564	782	707
12	782	911	738	782	614	657	614	608	608	707	564	608
13	390	390	347	390	303	347	260	347	347	347	434	434
14	390	434	347	347	347	260	260	260	347	347	434	-
15	-	-	-	-	-	-	-	347	347	347	390	347
16	825	787	955	868	787	782	-	608	564	434	347	260
17	707	707	707	707	657	564	434	434	347	347	303	347
18	217	174	260	260	260	260	260	260	260	260	174	174
19	260	260	260	174	260	260	260	260	260	260	260	347
20	782	782	868	868	995	911	782	657	608	657	434	521
21	521	-	-	-	-	-	-	347	260	434	347	434
22	608	608	564	521	521	614	744	608	434	434	260	434
23	260	260	174	174	174	174	174	434	911	911	955	955
24	657	657	608	608	521	521	521	521	434	347	347	347
25	390	303	260	260	260	260	260	260	303	347	260	260
26	260	347	260	260	260	260	260	260	260	260	260	260
27	303	347	434	347	303	347	390	434	347	347	347	347
28	260	174	260	174	390	347	260	390	434	347	347	347
29	434	434	434	347	260	347	260	260	260	347	347	347
30	1035	1194	787	825	868	995	868	995	782	608	744	868
31	707	608	564	608	260	260	390	434	564	477	390	608
Promedio	478	487	472	485	484	484	443	461	462	476	477	521

IONES LIVIANOS NEGATIVOS "n^-" por cm^3

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	75	75	188	344	188	150	150	226	231	376	376	413
2	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-
5	866	902	902	828	905	1052	828	976	1046	1186	976	1014
6	226	150	150	188	188	188	231	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	269	488	715	940	1250
10	413	312	451	488	381	188	112	112	381	488	676	866
11	75	75	188	301	301	312	451	376	344	344	564	526
12	639	790	601	564	451	526	488	488	451	676	564	564
13	414	188	150	150	112	150	150	312	226	269	312	344
14	413	413	376	451	451	451	451	376	312	312	451	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	639	676	639	602	526	526	526	488	376	312	344	413
18	312	226	226	226	226	226	269	226	312	269	344	344
19	269	269	312	312	226	226	226	188	226	150	226	188
20	752	828	902	940	1014	940	639	526	602	526	419	564
21	602	790	976	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	344	301	312	225	376
23	-	-	-	-	-	-	-	300	1048	1082	1188	1086
24	-	-	-	-	-	-	-	526	526	413	451	376
25	451	451	376	376	344	312	312	188	312	344	376	376
26	226	376	344	312	312	312	312	312	269	269	312	312
27	312	312	376	312	150	150	188	188	301	344	344	344
28	226	150	112	150	188	226	150	231	344	344	413	376
29	312	312	312	312	312	269	312	312	226	312	312	312
30	1154	1052	790	866	1014	1120	1052	1014	828	676	790	902
31	526	451	231	301	269	226	150	231	226	226	231	602
Promedio	400	440	430	422	398	397	368	400	426	452	492	550

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
744	1115	1074	830	911	434	434	521	521	477	695	744	570
778	868	911	744	614	303	174	174	217	174	174	174	396
951	782	782	707	707	608	608	608	608	608	434	434	617
1194	1115	1194	390	651	744	434	434	260	347	434	564	666
995	955	995	955	1035	657	614	347	521	303	217	217	743
521	521	390	260	260	260	174	174	174	260	174	174	282
-	130	174	347	303	347	260	217	260	260	303	347	260
303	521	564	744	303	260	86	174	174	174	347	477	306
1115	995	868	707	695	477	390	477	347	521	608	521	703
995	911	868	744	707	434	260	260	260	174	174	260	518
825	955	707	707	564	347	347	614	707	707	744	744	658
608	521	434	477	347	347	347	347	260	260	260	434	535
434	434	434	347	347	347	260	347	347	390	347	347	363
-	-	-	-	-	-	-	-	-	-	-	-	343
347	477	825	614	608	390	434	390	390	434	608	707	471
130	174	524	564	521	390	260	260	260	260	390	521	499
347	260	260	347	347	217	217	217	217	260	260	260	395
174	260	260	260	347	347	303	434	260	174	260	260	257
347	347	347	434	434	347	390	564	347	521	657	782	356
434	434	260	347	303	260	260	174	174	174	260	477	518
564	434	707	695	608	564	434	521	608	608	521	608	512
434	564	521	521	521	390	347	260	217	174	174	260	447
911	955	868	782	782	707	564	608	707	868	782	744	618
260	260	260	347	434	434	303	434	434	434	347	434	436
260	217	260	347	347	260	174	217	260	347	303	174	274
260	260	260	303	347	347	390	390	303	347	260	260	289
347	347	347	347	390	260	260	347	217	260	260	260	331
347	303	347	390	347	347	260	260	347	260	347	260	314
347	434	347	347	347	694	434	694	1035	1275	1234	1154	517
868	825	782	782	782	825	657	787	707	707	744	744	824
608	477	434	347	260	260	260	260	347	347	434	477	432
567	562	567	524	506	420	344	384	383	404	425	461	470

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
488	837	902	639	526	231	-	-	-	-	-	-	356
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	1036	866	752	828	866	1086	1014	866	914
940	905	905	752	601	269	226	188	312	226	226	226	719
-	-	-	-	-	-	-	-	-	-	-	-	189
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
1219	1154	905	488	413	269	226	226	150	269	451	451	581
828	639	714	489	269	269	226	150	188	112	112	112	374
753	866	676	564	269	226	226	344	488	526	564	602	415
488	413	344	226	226	188	226	226	150	150	188	226	410
269	269	269	226	226	312	226	226	226	226	269	451	249
-	-	-	-	-	-	-	-	-	-	-	-	405
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	489	376	344	188	75	150	150	231	344	451	280
376	376	312	269	188	226	312	301	269	376	312	312	404
344	312	226	150	226	150	112	312	312	226	312	312	258
226	226	188	188	226	226	226	413	564	489	639	828	302
676	381	344	344	269	226	226	150	75	150	231	526	510
-	-	-	-	-	-	-	-	-	-	-	-	789
376	526	-	-	-	-	-	-	-	-	-	-	351
1048	1052	-	-	-	-	-	-	-	-	-	-	972
269	312	312	226	269	226	226	312	312	312	344	376	340
344	344	376	376	269	188	150	226	226	312	269	226	314
312	312	312	226	188	150	269	188	150	150	188	226	264
312	226	188	150	188	188	188	188	188	188	150	188	236
312	269	226	150	150	269	226	269	226	150	312	301	240
312	226	312	188	344	526	563	677	1120	1422	1425	1285	501
1014	940	940	905	790	828	676	753	526	526	676	677	854
-	-	-	-	-	-	-	-	-	-	-	-	306
545	529	470	365	351	301	282	322	342	375	422	455	414

IONES PESADOS POSITIVOS "N^+" por cm^3

DIAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	1190	13430	10770	17950	9860	9860	8060	–	7180	8950	1795	8950
2	7180	5385	4490	34200	10770	1795	8950	26000	10770	19130	17950	12590
3	16130	13430	8060	7180	4490	5380	5350	8950	6295	5380	5380	4490
4	5380	5380	4490	6295	4490	5380	4490	2690	7180	5380	5380	6295
5	3585	2690	3585	2690	3585	3585	2690	8950	3585	8060	6295	8950
6	20700	17950	13870	18870	17050	8950	7950	17950	11690	8950	6295	5380
7	–	–	–	–	–	–	–	–	–	–	–	–
8	7180	6295	6295	8060	6295	6295	7180	7180	11690	12590	13430	11690
9	4490	4490	–	–	–	–	–	5386	4490	4490	8060	2690
10	3585	5380	4490	3585	4490	4490	5380	7180	7180	7180	5380	8060
11	6295	5380	5380	3585	3585	3585	3585	7180	4490	4490	3585	3585
12	3585	2690	3585	2690	3585	4490	4490	8950	4490	5380	4490	5380
13	4490	5380	6295	6295	8060	8950	8950	8950	17950	17950	5380	6295
14	5380	5380	6295	6295	4490	2240	8950	8950	8060	5380	5380	–
15	–	–	–	–	–	–	–	–	–	–	–	–
16	–	–	–	–	–	–	–	–	–	–	–	–
17	–	–	–	–	–	–	–	–	–	–	–	–
18	4490	5380	6295	6295	6295	7180	4490	3585	3585	5380	4490	4490
19	7180	5380	6295	10770	8060	8960	39420	11690	13430	9860	8950	6295
20	8950	2690	–	8060	3585	–	5380	–	–	–	–	–
21	–	–	–	–	–	–	–	3585	5380	5380	5380	4490
22	2690	5380	7180	4490	3585	3585	6295	3585	5380	6295	4490	7180
23	16130	9860	12590	15250	16130	21520	26000	15250	10770	9860	13430	10770
24	5380	7180	3585	3585	2690	3585	4490	7180	4490	4490	4490	5380
25	8060	8960	6295	9860	17950	9860	8060	7180	12590	5380	3585	3585
26	16130	5380	8950	8950	5380	7180	7180	8950	12590	17050	8060	8950
27	6295	4490	18870	5380	30630	11690	2690	12590	12590	9860	13430	23360
28	20700	17950	9860	14350	14350	8950	12590	2240	4490	10770	8950	6295
29	20350	8960	7180	20700	4490	1795	8060	7180	7180	3585	7180	5380
30	3585	15250	10770	3585	898	3585	5380	3585	1795	2690	1795	3585
31	8950	3585	14350	13430	28720	17050	6295	18870	30580	–	–	–
Promedio	8514	7278	8121	9295	8036	7211	8935	9025	8842	8036	6921	7255

IONES PESADOS NEGATIVOS "N^-" por cm^3

DIAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	3585	–	–	13430	–	14350	–	8950	12590	–	14350	14350
2	–	–	8060	12590	1795	898	10770	38600	8060	21520	20700	16130
3	17050	11690	12590	8950	4490	7180	4490	11690	9860	4490	1795	5380
4	5380	4490	3585	898	14350	7180	10770	3585	3585	3585	7180	4490
5	5380	5380	5380	6295	4490	1795	–	17950	11690	22400	13430	17950
6	29600	24200	23360	26000	23360	15150	16790	23360	13430	14350	9860	17950
7	–	–	–	–	–	–	–	–	5380	13430	–	15250
8	8060	8060	6295	6295	7180	7180	8060	8060	8950	15250	11690	10770
9	2690	898	–	–	–	–	–	5380	3585	7180	2690	1795
10	4490	6295	3585	7180	6295	8060	8060	11690	9860	8950	5380	10770
11	7180	3585	3585	7180	5380	3585	3585	3585	2690	5380	3585	8950
12	2690	898	5380	6295	7180	2690	4490	8950	7180	4490	2690	9860
13	5380	8060	7180	11690	9860	13430	17950	17950	14350	12590	8950	8950
14	4490	5380	7180	9860	8950	8950	10770	9860	10770	7180	9860	–
15	–	–	–	–	–	–	–	–	–	–	–	–
16	–	–	–	–	–	–	–	–	–	–	–	–
17	–	–	–	–	–	–	–	–	–	–	–	–
18	3585	7180	8060	7180	7180	8950	7180	6295	12590	7180	2690	10770
19	7180	7180	8060	13430	11690	4490	37680	30580	–	–	–	–
20	–	–	–	–	–	–	–	–	–	–	–	–
21	–	–	–	–	–	–	–	–	14350	11690	12590	9860
22	17950	–	15130	18870	–	14350	–	18870	–	–	–	16130
23	33250	32600	27300	35900	43950	37580	39420	30580	–	–	18870	27800
24	30530	6295	5380	4490	5380	6295	2690	4490	8060	4490	2690	2690
25	16130	20700	20350	16130	24200	–	–	17050	8950	14350	9860	16130
26	–	–	17050	18870	15250	–	–	–	–	–	–	–
27	–	–	–	–	–	–	–	–	–	–	–	–
28	–	–	–	–	–	–	–	12590	12430	18870	18870	24200
29	–	–	–	–	–	–	17050	12590	11690	20700	8950	10770
30	17950	23360	14350	11690	13430	4490	9860	13430	5380	5380	7180	8950
31	–	–	–	–	–	17950	–	–	17950	–	–	–
Promedio	11195	10368	10703	13161	11912	9719	13101	14368	9745	11173	9231	12268

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
11690	1795	2690	5380	5380	10770	9860	5380	8060	17050	16130	14350	9123
6295	6295	5380	8060	7180	15200	20350	20350	24200	25150	22400	18870	13506
5380	3585	2690	2690	3585	3585	34080	6295	6295	5380	7180	6295	7399
3585	1795	2690	6295	5380	5380	5380	5380	5380	3585	4490	4490	4861
898	6295	6295	3585	3585	6295	4490	8950	16130	15250	17050	18870	6914
2690	6295	5380	8950	9860	9860	15250	18870	14350	-	-	-	12481
-	-	-	-	-	8060	10770	14350	8950	13430	10770	8950	10754
6295	3585	3585	4490	8060	14350	17950	20350	20700	17950	17950	6295	10239
1795	3585	4490	4490	6295	6295	8950	11690	8060	5380	5380	4490	5526
7180	3585	5380	6295	4490	8060	20700	17050	17950	17950	16130	11690	8452
3585	4490	7180	6295	9860	10770	11690	6295	4490	3585	3585	3585	5422
4490	3585	4490	5380	11690	10770	14350	14350	10770	4350	13430	7180	6461
4490	5380	7180	11690	8950	11690	17950	17050	11690	11690	6295	5380	9763
-	-	-	-	-	-	-	-	-	-	-	-	6036
-	-	-	-	-	-	-	-	-	-	-	-	-
-	8950	11690	10770	9860	-	-	-	-	-	-	-	10318
4490	4490	7180	4490	8060	7180	5380	7180	8950	3585	3585	5380	5829
3585	4490	8060	8950	7180	8950	8950	4490	5380	9860	8950	7180	6166
-	-	-	-	-	-	-	-	-	5380	14350	11690	11180
-	-	-	-	-	-	-	-	-	-	-	-	5733
3585	8060	1795	3585	17050	1795	14350	9860	8950	4490	7180	4490	6436
6295	6295	7180	7180	5380	8060	10770	18870	17950	20700	21520	15250	8566
9860	11690	10770	10770	13430	14350	11690	9860	6295	7180	6295	6295	12335
2690	3585	4490	5380	18870	5380	9860	8950	6295	8950	13430	8060	6353
3585	8950	6295	8950	2690	24200	18870	12590	10770	5380	20350	12590	9747
5380	8950	8950	8950	6295	8950	17950	10770	10770	10770	8060	11690	9676
8950	8950	5380	25150	21520	14350	20350	20350	7180	16130	16130	11690	12726
5380	7180	12590	5380	2690	17950	25150	41200	12590	7180	8950	13430	12132
2690	6295	6295	9860	6295	8950	8950	4490	3585	2690	3585	2690	7017
4490	3585	3585	3585	4490	5380	2690	8060	4490	6295	898	15250	4971
-	-	-	-	23360	8950	35900	18870	8950	20350	12590	12590	16671
4973	5670	6068	7464	8903	9828	14716	13150	10353	10373	11026	9566	8732

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
13430	10770	11690	10770	10770	9860	-	3585	8060	-	-	-	10723
8950	8060	17050	5380	14350	21520	25150	24200	29600	26000	21520	17050	16271
3585	898	3585	3585	5380	4490	5380	4490	7180	8060	13430	9860	7066
5380	1795	2690	13430	10770	8060	8950	7180	4490	3585	4490	6295	6092
10770	5380	5380	2690	6295	6295	8950	17050	17050	23360	18870	21520	11120
17050	18870	15250	17950	16130	14350	15150	18870	17050	-	-	-	18480
-	-	-	13430	4490	16130	13430	12590	10770	9860	9860	10770	11283
6295	3585	6295	2690	3585	7180	17950	23360	22400	21520	25150	10770	10693
5380	3585	6295	3585	11690	8060	8950	11690	6295	5380	6295	3585	5527
7180	5380	5380	7180	7180	15250	21520	16130	20350	17950	15250	9860	9968
2690	7180	5380	11690	10770	11690	12590	5380	6295	2690	1795	4490	7971
6295	7180	3585	5380	12590	17050	7950	16130	13430	17950	11690	6295	7847
5380	5380	6295	8060	11690	14350	15250	20700	11690	8060	12590	4490	10845
-	-	-	-	-	-	-	-	-	-	-	-	8477
-	-	-	-	-	-	-	-	-	-	-	-	-
15250	-	15250	8950	12590	-	-	-	-	-	-	-	13010
3585	9860	10770	6295	12590	16130	8060	7180	8950	8060	8060	8060	8967
8950	8950	14350	11690	8060	16130	3585	14350	10770	12590	12590	9860	9196
-	-	-	-	-	-	-	-	-	-	-	-	15036
-	-	-	-	-	-	-	-	-	-	-	-	-
-	12590	13430	21520	20350	5380	-	16130	-	10770	12590	20350	13969
15250	-	18870	24200	20700	26000	26900	29600	41200	43000	41200	39420	25214
33190	27800	22400	23360	30580	-	-	17950	-	21520	20350	-	28617
4490	4490	4490	-	-	-	-	-	-	-	-	-	6467
-	8950	-	-	-	-	-	-	-	-	-	-	15709
-	-	-	-	-	-	-	-	-	-	-	-	17056
-	-	-	-	-	-	-	-	-	-	-	-	-
15250	30580	20350	-	-	-	-	-	-	-	-	-	19267
17050	7180	8060	9860	24200	-	8950	20350	12590	10770	8950	13430	13126
14350	9860	13430	16130	29600	28730	29600	26900	9860	-	-	23360	15330
-	-	-	-	-	-	-	-	-	-	-	-	17950
10464	9444	10467	10849	13541	13703	14018	15686	14335	14772	14393	12910	12685

COMPONENTE NORTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	4.6	8.1	3.5	3.5	2.3	- 2.3	- 2.3	- 1.2	- 3.7	- 5.0	- 5.0	- 2.5	- 3.7
2	5.8	2.3	1.2	26.7	11.2	1.2	12.8	11.6	13.9	12.8	5.8	- 1.2	- 1.2
3	4.6	4.6	2.3	5.8	1.2	- 2.5	4.6	3.5	4.6	1.5	- 6.2	1.2	2.3
4	2.3	9.3	- 5.8	4.6	1.2	- 2.5	2.3	7.0	3.5	2.3	- 3.7	- 2.5	1.2
5	7.0	1.2	4.6	4.6	2.3	- 1.2	2.3	- 1.2	- 1.2	- 2.5	- 3.7	- 1.2	1.2
6	5.8	2.3	2.3	7.0	2.3	- 3.7	2.3	3.5	1.2	- 1.2	- 6.2	- 3.7	2.3
7	2.3	-	-	-	-	-	2.3	- 6.2	- 6.2	- 6.2	- 7.4	- 5.0	- 6.2
8	- 3.7	1.2	3.5	3.5	1.2	1.2	- 1.2	- 2.5	- 5.0	- 6.2	- 2.5	- 3.7	- 6.2
9	1.2	3.5	1.2	2.3	- 1.2	- 5.0	- 2.5	-	-	-	-	-	-
10	- 6.2	1.2	1.2	1.2	- 1.2	- 8.7	- 5.0	- 3.7	- 3.7	- 2.5	- 5.0	- 3.7	- 3.7
11	2.3	1.2	1.2	- 1.2	- 3.7	- 5.0	- 3.7	- 3.7	- 3.7	- 1.2	1.2	- 1.2	- 2.5
12	2.3	4.6	1.2	2.3	- 2.5	- 2.5	- 3.7	1.2	- 1.2	- 2.5	- 3.7	1.2	1.2
13	2.3	3.5	5.8	8.1	5.8	2.3	7.0	12.8	11.6	12.8	9.3	11.6	13.9
14	8.1	5.8	2.3	4.6	2.3	- 2.5	2.3	- 1.2	1.2	- 1.2	2.3	- 2.5	3.5
15	2.3	7.0	7.0	7.0	2.3	1.2	1.2	- 1.2	- 3.7	- 3.7	1.2	4.6	- 1.2
16	2.3	8.5	7.0	7.0	3.5	2.3	4.6	3.5	4.6	3.5	4.6	1.2	4.6
17	4.6	3.5	3.5	2.3	- 2.5	- 2.5	- 3.7	1.2	2.3	- 3.7	- 3.7	- 1.2	- 5.0
18	2.3	3.5	4.6	5.8	4.6	2.3	4.6	2.3	5.8	- 1.2	- 5.8	- 2.5	- 3.7
19	1.2	2.3	3.5	5.8	- 1.2	- 1.2	2.3	1.2	- 1.2	- 1.2	- 2.5	- 1.2	- 1.2
20	3.5	3.5	4.6	7.0	2.3	1.2	2.3	- 1.2	1.2	- 3.7	- 3.7	- 3.7	- 2.5
21	1.2	1.2	2.3	5.8	- 1.2	- 3.7	- 2.5	- 2.5	2.3	4.6	4.6	3.5	1.2
22	- 1.2	- 5.0	- 2.3	- 2.3	10.4	1.2	7.0	9.3	2.3	2.3	3.5	- 7.4	4.6
23	-12.4	- 1.2	6.2	6.2	1.2	- 2.5	1.2	2.3	1.2	2.3	- 5.0	-	-
24	4.6	3.5	- 5.0	2.3	2.3	- 2.5	- 2.5	2.3	3.5	2.3	2.3	5.8	2.3
25	8.1	2.3	- 2.5	3.5	3.5	- 2.5	- 1.2	- 2.5	2.3	4.6	4.6	- 3.7	- 2.5
26	2.3	1.2	1.2	1.2	3.5	- 1.2	2.3	1.2	2.3	2.3	- 1.2	- 2.5	- 1.2
27	7.0	5.8	2.3	3.5	1.2	2.3	1.2	4.6	1.2	2.3	- 2.5	- 3.7	- 2.5
28	- 1.2	1.2	9.3	2.3	2.3	- 1.2	3.5	4.6	1.2	1.2	- 1.2	- 7.4	- 7.4
29	8.1	4.6	3.5	5.8	2.3	2.3	3.5	3.5	- 1.2	- 2.5	- 3.7	- 5.0	- 6.2
30	-	-	-	-	-	-	-	1.2	1.2	1.2	- 3.7	- 2.5	-
31	-	-	7.0	4.6	9.3	9.3	8.1	5.8	12.8	-	1.2	- 6.2	- 6.2
Prom	2.5	3.2	2.6	4.9	2.2	- 0.9	1.6	1.8	1.6	0.4	- 1.2	- 1.6	- 0.9
Var.	3.3	4.0	3.4	5.7	3.0	- 0.1	2.4	2.6	2.4	1.2	- 0.4	- 0.8	- 0.1

COMPONENTE ESTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	- 7.8	- 7.8	- 4.7	- 6.3	- 6.3	- 7.8	- 7.8	- 9.4	-14.1	-18.8	-12.6	-14.1	-12.6
2	- 9.4	1.6	- 6.3	- 7.8	-14.1	-18.8	-17.3	-11.0	-11.0	- 7.8	-12.6	-12.6	-14.1
3	- 4.7	- 4.7	- 6.3	- 6.3	-18.8	-23.6	-14.1	-11.0	- 9.4	- 9.4	-14.1	-18.8	-11.0
4	- 6.3	- 4.7	- 9.4	- 9.4	-22.0	-26.7	-23.6	-15.7	-12.6	-11.0	-18.8	-15.7	-15.7
5	- 3.1	- 1.6	- 6.3	- 6.3	-18.8	-23.6	-22.0	-17.3	-12.6	- 9.4	-11.0	-11.0	-17.3
6	- 6.3	- 6.3	- 9.4	-11.0	-20.4	-33.0	-20.4	-14.1	-15.7	-22.0	-20.4	-23.6	-17.3
7	- 3.1	-	-	-	-	-	- 7.8	-15.7	-14.1	-14.1	-18.8	-15.7	-15.7
8	- 3.1	- 1.6	- 3.1	- 4.7	- 6.3	- 9.4	-11.0	-14.1	-17.3	-14.1	-20.4	-22.0	-22.0
9	-11.0	- 1.6	- 6.3	- 4.7	- 7.8	-14.1	-18.8	-	-	-	-	-	-
10	-11.0	1.6	- 1.6	- 4.7	-12.6	-20.4	-22.0	-12.6	-11.0	-11.0	-17.3	-17.3	-12.6
11	- 1.6	1.6	- 3.1	- 3.1	-15.7	-20.4	-22.0	-17.3	-12.6	- 6.3	-18.8	-14.1	- 9.4
12	- 3.1	- 1.6	- 4.7	- 6.3	-15.7	-22.0	-22.0	-14.1	-12.6	-11.0	-18.8	-17.3	-15.7
13	- 3.1	- 1.6	- 4.7	- 6.3	-17.3	-23.6	-18.8	-17.3	-14.1	-12.6	-18.8	-17.3	-14.1
14	- 3.1	- 3.1	- 4.7	- 7.8	-17.3	-25.1	-20.4	-22.0	-18.8	-11.0	-15.7	-22.0	-14.1
15	-11.0	- 3.1	- 4.7	- 3.1	- 6.3	-12.6	-12.6	-11.0	-20.4	-18.8	-17.3	-18.8	-17.3
16	-14.1	- 3.1	- 6.3	- 6.3	-20.4	-22.0	-22.0	-17.3	-14.1	-17.3	-18.8	-17.3	-15.7
17	- 4.7	- 4.7	- 6.3	- 9.4	-15.7	-28.3	-18.8	-18.8	-17.3	-15.7	-11.0	-11.0	-15.7
18	- 1.6	1.6	- 3.1	- 4.7	-18.8	-23.6	-18.8	-15.7	-12.6	-11.0	-25.1	-15.7	-18.8
19	- 3.1	- 4.7	- 6.3	- 7.8	-11.0	-26.7	-20.4	-18.8	-17.3	-12.6	-18.8	-12.6	-15.7
20	- 3.1	- 1.6	- 6.3	- 7.8	-18.8	-22.0	-20.4	-14.1	-11.0	- 9.4	-15.7	-15.7	-15.7
21	- 3.1	- 1.6	- 9.4	-11.0	-23.6	-29.8	-25.1	- 6.3	15.8	23.7	20.5	14.2	9.5
22	3.2	9.5	6.3	6.3	3.2	- 3.1	- 3.1	- 7.8	- 9.4	-14.1	- 9.4	-12.6	- 4.7
23	- 7.8	4.7	3.2	1.6	-15.7	-20.4	-14.1	- 3.1	- 3.1	- 3.1	-11.0	-11.0	- 7.8
24	1.6	3.2	- 1.6	- 3.1	-14.1	-15.7	-14.1	-11.0	- 6.3	- 6.3	-11.0	- 7.8	- 6.3
25	- 1.6	- 4.7	1.6	1.6	-11.0	-22.0	-17.3	-11.0	- 6.3	- 6.3	- 9.4	- 9.4	- 6.3
26	- 1.6	1.6	1.6	- 3.1	-14.1	-12.6	-14.1	-14.1	- 9.4	- 4.7	- 9.4	- 9.4	- 7.8
27	1.6	3.2	- 1.6	- 3.1	-15.7	-22.0	-15.7	- 9.4	-11.0	- 6.3	-11.0	- 4.7	- 7.8
28	1.6	3.2	- 3.1	- 3.1	-14.1	-22.0	14.2	14.2	- 1.6	1.6	- 9.4	- 3.1	- 4.7
29	- 6.3	6.3	3.1	3.1	- 1.6	- 4.7	- 4.7	-11.0	-14.1	- 9.4	-15.7	- 9.4	- 7.8
30	11.1	17.4	12.6	9.5	1.6	-14.1	- 7.8	- 6.3	- 4.7	- 3.1	- 6.3	- 7.8	1.6
31	7.9	9.5	6.3	4.7	- 6.3	-15.7	- 6.3	26.9	-18.8	-	- 4.7	- 4.7	- 1.6
Prom	- 3.5	0.2	- 2.8	- 4.0	-13.2	-19.5	-15.1	-10.9	-11.2	- 9.4	-13.4	-12.6	-11.1
Var.	6.7	10.4	7.4	6.2	- 3.0	- 9.3	- 4.9	- 0.7	- 1.0	0.8	- 3.2	- 2.4	- 0.9

LINEAS LARGAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
- 6.2	- 7.4	-12.4	- 9.9	- 1.2	- 3.7	-21.1	-18.6	-22.3	-18.6	-17.4	- 5.9	2
- 1.2	- 9.9	- 2.5	- 5.0	- 6.2	- 2.5	2.3	2.3	- 1.2	4.6	4.6	3.7	2
- 5.0	- 6.2	- 5.0	- 3.7	- 5.0	- 8.7	- 3.7	1.2	- 2.5	5.8	3.5	- 0.1	1
- 1.2	- 6.2	- 5.0	- 2.5	- 5.0	- 2.5	- 1.2	4.6	- 1.2	2.3	1.2	0.1	1
1.2	- 2.5	- 2.5	- 3.7	- 1.2	- 1.2	2.3	2.3	1.2	4.6	2.3	0.6	1
2.3	- 7.4	- 5.0	- 6.2	- 7.4	- 2.5	- 2.5	- 1.2	- 1.2	3.5	1.2	- 0.5	1
- 9.9	- 6.2	- 7.4	-13.6	- 7.4	-	-	-	- 2.5	- 1.2	- 1.2	- 5.1	1
- 7.4	- 9.9	-12.4	-16.1	- 9.9	-11.2	- 9.9	- 6.2	- 5.0	1.2	- 2.5	- 4.6	1
- 3.7	-16.1	-12.4	-14.9	-13.6	- 7.4	- 9.4	- 5.0	- 6.2	3.5	- 1.2	- 4.8	1
- 2.5	- 8.7	- 8.7	- 9.9	- 7.4	- 6.2	- 2.5	- 1.2	1.2	2.3	1.2	- 3.4	0
- 1.2	- 6.2	-11.2	- 8.7	- 6.2	- 3.7	- 2.5	- 3.7	- 2.5	2.3	- 1.2	- 2.7	1
- 6.2	- 9.9	- 7.4	- 9.9	- 8.7	- 7.4	- 7.4	- 6.2	- 7.4	- 3.7	2.3	- 3.1	1
11.6	8.1	4.6	2.3	4.6	2.3	1.2	5.8	1.2	3.5	3.5	6.5	2
2.3	- 2.5	- 2.5	-11.2	- 8.7	- 8.7	- 5.0	2.3	1.2	4.6	2.3	0.0	1
- 5.0	- 7.4	- 7.4	- 8.7	-11.2	-18.6	- 9.9	2.3	- 3.7	- 1.2	- 5.0	- 2.2	2
4.6	- 5.0	- 3.7	- 5.0	- 1.2	- 2.5	- 1.2	1.2	- 1.2	3.5	2.3	2.0	2
- 7.4	- 7.4	-11.2	- 5.0	- 3.7	- 6.2	- 6.2	- 5.0	- 3.7	1.2	1.2	- 2.4	1
- 5.0	- 5.0	- 5.0	- 9.9	- 7.4	- 6.2	- 3.7	- 5.0	- 2.5	1.2	- 2.5	- 1.2	1
- 5.0	- 3.7	- 5.0	- 2.5	- 5.0	- 3.7	- 5.0	- 2.5	- 2.5	- 1.2	1.2	- 1.2	1
1.2	- 1.2	- 2.5	- 3.7	- 2.5	- 3.7	- 1.2	1.2	- 2.5	9.3	1.2	0.3	1
1.2	- 2.5	- 7.4	- 8.7	- 2.5	- 2.5	1.2	1.2	1.2	1.2	- 1.2	- 0.1	1
- 6.2	- 6.2	- 7.4	- 9.9	- 7.4	- 5.0	- 8.7	8.1	- 9.9	-22.3	-17.4	- 2.9	2
-	-	-	- 1.2	- 1.2	1.2	3.5	3.5	1.2	2.3	1.2	0.5	1
1.2	- 5.0	- 5.0	- 6.2	- 1.2	- 3.7	1.2	1.2	1.2	5.0	2.3	0.5	1
- 2.5	- 5.0	- 5.0	- 6.2	- 2.5	- 1.2	- 1.2	- 3.7	1.2	1.2	1.2	- 0.4	0
4.6	- 5.0	- 3.7	- 8.7	- 7.4	- 5.0	- 7.4	- 6.2	- 1.2	8.1	4.6	- 0.7	1
- 1.2	- 7.4	- 7.4	- 5.0	- 3.7	- 3.7	- 3.7	1.2	2.3	- 2.5	3.5	- 0.2	0
- 6.2	- 2.5	- 6.2	- 2.5	1.2	- 1.2	- 2.5	2.3	2.3	4.6	3.5	0.0	1
- 2.5	- 2.5	- 5.0	- 7.4	-11.6	- 5.0	- 5.0	- 5.0	- 3.7	- 2.5	- 2.5	- 1.6	1
-	-	9.3	1.2	3.5	2.3	4.6	5.8	3.5	-	-	2.3	0
- 2.5	-	-	-	-	-	-	4.6	- 6.2	4.6	5.8	3.5	0
- 2.0	- 5.6	- 5.4	- 6.7	- 4.9	- 4.4	- 3.6	- 0.6	- 2.3	0.9	- 0.1	0.8	
- 1.2	- 4.8	- 4.6	- 5.9	- 4.1	- 3.6	- 2.8	0.2	- 1.5	1.7	0.7		

LÍNEAS LARGAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
-15.7	-12.6	-15.7	-18.8	-14.1	-18.8	- 9.4	- 9.4	-14.1	- 1.6	- 4.7	-11.0	1
-14.1	-22.0	-15.7	-12.6	-15.7	-12.6	-15.7	-11.0	- 9.4	- 6.3	- 7.8	-11.8	1
-18.8	-22.0	-11.0	-14.1	-15.7	-15.7	-12.6	-17.3	-11.0	- 6.3	- 7.8	-12.7	1
-14.1	-23.6	-14.1	-15.7	-14.1	-18.8	-12.6	-17.3	-15.7	- 6.3	- 6.3	-14.6	1
-15.7	-25.1	-17.3	-17.3	-17.3	-14.1	-15.7	-17.3	-12.8	- 4.7	- 6.3	-13.5	1
-15.7	-22.0	-20.4	-17.3	-17.3	-17.3	-17.3	-11.0	-12.6	- 4.7	- 6.3	-15.9	2
-15.7	-12.6	-20.4	-22.0	-17.3	-	-	-	-11.0	-11.0	- 6.3	-13.8	2
-18.8	-18.8	-18.8	-22.0	-18.8	-20.4	-14.1	-12.6	-14.1	- 1.6	- 4.7	-13.1	2
-18.8	-17.3	-14.1	-25.1	-20.4	-17.3	-20.4	-11.0	- 6.3	- 1.6	- 4.7	-12.3	2
-12.6	-20.4	-14.1	-14.1	-17.3	-17.3	-11.0	- 9.4	- 4.7	- 3.1	- 3.1	-11.6	1
-12.6	-17.3	-17.3	-17.3	-18.8	-17.3	-12.6	-14.1	-11.0	- 3.1	- 4.7	-12.3	1
-17.3	-25.1	-15.7	-20.4	-17.3	-17.3	-18.8	-15.7	-14.1	- 6.3	- 4.7	-14.1	1
-17.3	-17.3	-18.8	-18.8	-17.3	-14.1	-12.8	- 9.4	- 7.8	- 4.7	- 7.8	-13.1	2
-14.1	-18.8	-14.1	-23.6	-22.0	-18.8	-17.3	-14.1	- 9.4	- 7.8	- 7.8	-14.7	2
-18.8	-18.8	-17.3	-20.4	-22.0	-17.3	-23.6	-11.0	-11.0	- 4.7	- 7.8	-13.7	2
-15.7	-22.0	-18.8	-25.1	-18.8	-20.4	-14.1	-15.7	-12.6	- 6.3	- 6.3	-15.4	2
-14.1	-22.0	-17.3	-14.1	-17.3	-18.8	-17.3	-15.7	-14.1	- 7.8	- 9.4	-14.4	2
-14.1	-20.4	-18.8	-15.7	-17.3	-15.7	-15.7	-17.3	- 9.4	- 3.1	- 4.7	-13.3	1
-14.1	-20.4	-15.7	-17.3	-17.3	-17.3	-17.3	-12.6	-11.0	- 4.7	- 7.8	-13.8	1
-17.3	-22.0	-17.3	-15.7	-15.7	-18.8	-15.7	-11.0	-14.1	- 4.7	- 6.3	-13.3	1
11.0	1.6	- 3.1	- 4.7	- 4.7	- 3.1	1.6	- 1.6	- 7.9	9.5	4.7	- 0.9	2
- 6.3	- 7.8	- 4.7	-15.7	-12.6	-11.0	-14.1	1.6	- 7.8	4.7	1.6	- 4.5	2
- 7.8	-12.6	- 4.7	- 7.8	- 6.3	-14.1	- 7.8	- 7.8	- 3.1	- 4.7	- 1.6	- 6.9	2
- 9.4	-12.6	- 9.4	- 9.4	- 7.8	-11.0	- 7.8	- 7.8	- 7.8	3.2	3.2	- 7.0	2
-11.0	- 9.4	- 9.4	- 9.4	-12.6	-12.6	-11.0	- 6.3	- 4.7	3.2	- 3.1	- 7.9	1
-11.0	-20.4	- 9.4	-11.0	- 9.4	- 9.4	- 9.4	-11.0	-11.0	- 1.6	- 1.6	- 8.4	1
- 3.1	-12.6	-14.1	- 9.4	-12.6	- 7.8	- 7.8	- 6.3	- 4.7	3.2	1.6	- 7.4	2
- 3.1	- 6.3	- 6.3	- 3.1	- 1.6	- 1.6	- 1.6	-14.1	- 7.8	3.2	- 3.1	- 3.0	2
-14.1	-14.1	-11.0	-18.8	4.7	22.1	20.5	20.5	9.5	17.4	11.1	- 1.0	2
- 3.1	- 3.1	- 3.1	- 3.1	- 4.7	- 6.3	- 6.3	- 1.6	1.6	7.9	3.2	- 0.6	1
- 3.1	- 9.4	- 4.7	- 3.1	- 7.8	- 7.8	- 3.1	- 1.6	3.2	7.9	11.1	- 0.9	2
-12.1	-16.4	-13.3	-14.9	-13.8	-13.0	-11.4	- 9.6	- 8.6	- 1.5	- 3.2	10.2	
- 1.9	- 6.2	- 3.1	- 4.7	- 3.6	- 2.8	- 1.2	0.6	1.6	8.7	7.0		

PRESIÓN ATMOSFÉRICA

en mm. de Hg. al nivel del Observatorio: 700 mm.+ ...

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	61.3	61.4	61.5	61.4	61.4	61.6	61.8	62.0	62.1	62.5	62.8	62.8	62.7	62.4	62.4
2	64.1	64.2	64.1	63.9	63.2	63.2	63.5	63.2	63.5	63.4	63.1	62.4	61.7	61.0	60.6
3	60.1	59.9	59.7	59.4	59.2	59.2	59.5	59.7	60.0	59.9	59.7	59.1	58.4	58.0	58.0
4	61.1	61.1	61.0	60.6	60.5	60.4	60.5	60.4	60.5	60.4	60.1	59.5	58.7	58.2	57.8
5	61.8	62.0	62.1	62.0	62.1	62.3	62.8	63.0	63.2	63.6	64.0	63.5	62.9	62.2	62.4
6	62.5	62.2	61.7	61.4	61.3	61.2	61.1	61.2	61.5	61.6	61.7	61.3	60.7	60.2	60.3
7	61.3	62.1	62.3	62.1	62.2	62.0	62.4	62.6	63.0	63.1	63.0	62.3	62.2	62.2	62.2
8	65.4	65.4	65.5	65.5	65.8	66.0	66.5	66.7	67.4	67.6	67.7	67.2	67.2	66.5	66.4
9	67.3	67.3	67.0	66.9	67.0	67.0	67.0	67.0	67.1	67.0	66.7	66.4	65.4	65.0	64.5
10	64.8	64.3	64.4	64.3	64.8	65.2	65.7	65.9	66.0	66.2	66.3	65.6	65.3	64.4	64.4
11	65.7	65.5	65.3	65.3	65.4	65.4	65.4	65.7	65.7	66.2	66.2	65.7	65.2	64.7	64.1
12	62.9	62.4	62.3	62.0	61.8	61.9	62.3	62.4	62.6	62.6	62.3	61.9	61.2	60.6	60.2
13	60.9	60.7	60.5	60.5	60.4	60.4	61.0	61.0	61.4	61.3	60.8	60.3	59.6	58.8	58.5
14	59.0	58.9	58.6	58.4	58.3	58.2	58.5	58.6	58.6	58.6	58.3	57.5	56.7	56.0	55.0
15	56.5	56.3	56.1	56.1	56.3	56.3	56.8	57.4	57.5	57.6	57.3	57.1	56.6	56.4	56.7
16	60.0	60.0	60.3	60.1	60.1	60.3	60.8	61.2	61.5	61.5	61.6	61.4	60.9	60.4	59.9
17	57.9	56.9	56.8	56.1	55.8	55.8	55.8	55.8	55.8	55.6	54.8	53.9	52.4	51.6	51.1
18	51.2	51.0	50.5	50.2	50.3	50.3	50.4	50.4	50.8	50.8	50.4	50.2	49.8	49.2	48.8
19	49.6	49.3	48.9	48.6	48.4	48.8	48.9	49.2	49.3	49.7	49.7	49.6	49.3	49.2	49.2
20	57.8	58.3	58.7	58.5	58.8	59.5	60.1	60.8	61.3	61.7	62.0	62.1	61.8	61.2	61.2
21	62.0	61.8	61.3	61.0	60.6	60.6	60.4	60.6	60.9	61.3	61.0	60.7	60.3	60.2	60.2
22	64.5	64.9	65.0	65.1	65.8	66.3	67.4	67.7	68.2	68.1	68.5	68.6	68.1	68.0	68.3
23	70.6	70.4	70.2	69.8	69.8	69.7	69.6	69.8	69.6	69.5	68.7	67.5	66.4	65.6	64.6
24	62.5	62.2	61.5	61.1	60.8	60.7	60.9	60.9	60.7	60.9	60.7	59.8	58.7	58.2	57.5
25	57.9	57.6	57.6	57.3	57.3	57.0	57.1	57.4	57.4	57.2	57.0	56.5	56.0	55.4	55.3
26	58.2	58.2	58.0	58.0	58.1	58.2	58.6	58.8	59.0	59.3	59.0	58.5	57.9	57.7	57.5
27	60.2	60.1	60.1	60.0	60.0	60.3	60.5	60.9	60.8	60.8	60.7	60.1	59.3	58.8	58.6
28	60.7	60.7	60.7	60.5	60.4	60.5	60.7	60.9	61.1	61.1	60.8	60.4	59.7	59.2	58.8
29	58.3	57.8	57.3	56.9	56.5	56.3	56.2	56.4	56.8	56.8	56.6	55.9	54.9	54.1	53.1
30	55.3	55.2	55.2	55.0	54.9	55.2	55.5	56.2	56.6	56.7	56.8	56.8	56.7	56.9	57.1
31	59.7	59.9	59.9	59.9	59.9	60.1	60.4	60.8	61.0	61.1	60.7	60.1	58.9	58.6	58.2
Prom	60.7	60.6	60.4	60.2	60.2	60.3	60.6	60.8	61.0	61.1	60.9	60.5	59.8	59.4	59.1

TEMPERATURA DEL AIRE

a la sombra en grados C.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	3.3	3.4	3.2	2.8	3.0	3.5	3.8	4.4	5.5	8.6	7.8	6.9	8.3	9.4	10.3
2	1.3	0.9	0.3	- 0.1	0.0	- 0.2	- 0.5	- 0.5	2.8	7.9	10.7	10.8	12.5	11.2	11.7
3	6.7	6.6	6.5	6.5	6.5	6.3	5.3	5.9	8.0	10.8	12.8	14.1	14.9	15.6	15.6
4	5.5	5.3	4.4	3.4	3.1	2.9	3.0	3.8	7.7	11.6	14.6	15.7	16.7	17.2	17.3
5	5.5	5.5	3.5	3.6	2.8	2.4	1.9	2.4	3.8	7.2	9.3	12.1	12.8	12.6	12.8
6	0.1	0.0	0.1	- 0.8	- 1.1	0.0	1.5	3.1	5.0	8.6	9.9	10.0	11.2	10.3	11.1
7	7.6	7.5	7.4	6.9	6.9	6.9	7.0	7.0	7.6	9.2	11.1	12.2	12.3	12.2	12.4
8	3.9	3.6	3.5	3.5	3.0	3.8	5.0	5.3	5.9	7.1	8.5	9.5	11.3	11.8	12.0
9	8.6	8.6	8.7	8.1	7.0	6.4	6.8	7.5	8.9	11.3	13.0	14.2	15.1	15.8	15.7
10	7.6	7.2	7.4	7.0	6.9	6.2	5.7	5.6	7.4	8.9	11.7	14.2	16.1	16.9	17.1
11	7.1	6.9	6.6	6.8	6.9	7.0	7.3	7.6	9.9	13.1	15.1	16.8	17.9	18.1	17.7
12	9.4	9.4	9.5	9.0	8.6	8.5	7.8	7.8	10.1	13.0	15.7	17.9	19.2	19.9	20.4
13	11.1	10.4	9.7	9.5	8.5	9.1	7.7	7.8	12.4	15.6	17.6	19.3	20.8	21.3	20.7
14	14.4	13.7	13.1	13.0	12.9	13.1	13.3	13.8	15.7	17.8	19.8	21.8	23.3	24.3	24.5
15	14.9	14.3	14.2	14.1	13.4	12.5	11.9	11.7	14.1	16.4	18.8	17.6	16.7	16.9	16.4
16	12.6	12.2	9.6	8.2	6.8	6.3	5.7	5.7	8.4	10.1	12.5	14.0	15.0	15.6	14.8
17	11.6	11.8	12.2	12.2	12.2	12.9	13.0	13.6	16.2	17.7	20.5	22.8	23.9	24.3	24.2
18	20.8	20.6	18.3	18.0	17.9	18.0	19.2	19.2	19.9	20.9	21.7	23.3	23.8	23.6	23.7
19	19.1	18.8	18.3	17.6	17.5	16.8	16.6	17.2	18.3	19.1	20.8	21.3	22.3	22.8	22.5
20	9.2	9.0	8.8	8.9	8.9	8.9	9.0	9.0	9.1	9.7	11.5	13.3	14.7	15.2	14.9
21	11.7	11.7	11.6	11.7	11.7	11.7	11.7	12.2	12.6	12.9	13.3	13.7	14.2	14.6	14.8
22	10.2	9.6	9.4	9.3	8.8	8.8	9.1	9.0	8.7	10.3	11.1	11.4	12.6	13.3	13.6
23	6.0	5.5	5.1	4.7	4.2	3.3	3.6	7.4	9.0	9.9	11.0	11.5	12.6	13.4	14.1
24	12.0	12.2	11.9	11.4	11.0	10.4	10.3	12.0	14.6	17.2	19.7	22.0	23.3	23.7	24.2
25	15.9	16.0	16.0	16.0	15.6	15.0	14.8	16.4	20.0	22.6	24.4	25.9	26.6	27.0	26.7
26	17.4	16.8	16.1	16.1	15.9	15.2	15.0	16.0	17.7	19.5	21.6	23.2	24.2	24.8	25.1
27	15.6	14.9	14.7	14.0	13.0	12.4	12.3	13.3	15.8	18.5	20.4	21.9	22.6	23.4	23.7
28	14.4	13.9	14.0	14.0	13.7	13.5	13.4	15.0	15.6	17.9	20.1	22.1	24.8	25.0	25.0
29	16.3	15.2	14.9	14.2	13.6	13.2	12.7	13.8	14.9	17.3	19.7	21.8	21.0	21.8	22.7
30	10.4	8.8	8.7	8.6	8.6	8.8	8.9	9.4	9.1	9.3	9.5	11.2	11.5	12.0	12.0
31	5.1	3.6	1.7	0.7	0.2	0.1	- 0.5	2.7	6.5	10.4	13.6	15.7	16.8	17.7	16.3
Prom	10.2	9.8	9.3	9.0	8.6	8.5	8.5	9.2	11.0	13.2	15.1	16.4	17.4	17.8	17.9

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
62.6	62.5	62.9	63.2	63.4	63.5	63.9	64.4	64.3	64.4	23	61.2	0	3.2	762.5 mm.	1016.6 mb.
60.7	60.5	60.6	60.8	60.8	60.8	60.8	60.9	60.6	64.3	0	60.5	17	3.8	62.2	1016.2
58.5	58.8	59.4	59.6	59.9	60.1	60.5	60.6	61.1	61.1	24	57.9	14-15	3.2	59.5	1012.6
57.9	58.0	58.6	58.9	59.5	60.2	60.5	61.0	61.5	61.5	24	57.8	15	3.7	59.9	1013.2
62.3	62.1	62.4	62.6	62.8	62.4	62.1	62.2	62.4	64.0	11	61.5	0	2.5	62.6	1016.8
60.3	60.2	60.4	61.0	61.0	61.1	61.2	60.9	61.2	61.6	0-1	60.2	14,17	2.4	61.1	1014.8
62.4	62.9	63.1	63.6	64.0	64.1	64.7	65.0	65.1	65.1	24	61.2	0	3.9	62.9	1017.2
66.5	66.6	66.9	67.4	67.4	67.5	67.7	67.9	67.5	67.9	23	65.1	0	2.8	66.8	1022.4
64.2	64.5	64.8	65.2	65.0	65.2	65.0	65.1	65.0	67.5	24	64.2	16	3.3	65.9	1021.2
65.1	65.0	65.1	65.1	65.6	65.6	65.7	65.6	65.6	66.4	10-11	64.1	2-3	2.3	65.2	1020.2
63.6	63.6	63.5	63.2	63.0	63.1	63.0	63.2	63.0	66.2	10,11	63.0	20,22,24	3.2	64.6	1019.4
60.1	60.1	60.4	60.5	60.6	60.6	60.7	60.7	60.7	63.0	0	60.1	16,17	2.9	61.4	1015.2
58.6	58.6	58.8	58.9	59.0	59.0	59.1	59.1	59.1	61.4	9	58.4	15-16	3.0	59.8	1013.0
55.3	55.3	55.2	55.5	55.8	56.0	56.3	56.5	56.6	59.1	0	55.2	18	3.9	57.2	1009.6
57.0	56.9	57.1	57.6	57.9	58.4	59.0	59.4	59.7	59.7	24	56.1	3,4	3.6	57.2	1009.6
59.9	59.9	59.9	60.0	60.1	59.9	59.4	59.1	58.8	61.6	11	58.8	24	2.8	60.3	1013.7
50.7	50.3	50.4	50.9	51.2	51.0	51.2	51.4	51.5	58.8	0	50.2	17-18	8.6	53.5	1004.6
48.3	48.2	48.2	48.7	48.8	49.1	49.4	49.4	49.6	51.5	0	48.1	16-17	3.4	49.8	999.7
49.6	50.2	51.0	52.2	53.8	54.9	55.7	56.9	57.2	57.2	24	48.4	5	8.8	50.8	1001.0
61.4	61.4	61.7	62.4	62.5	62.5	62.6	61.9	62.0	62.7	20-21	57.2	0	5.5	60.9	1014.5
60.5	61.0	61.3	61.9	62.3	63.1	63.3	63.6	63.9	63.9	24	60.2	14,15	3.7	61.4	1015.2
68.7	68.9	69.0	70.0	70.2	70.3	70.4	70.6	70.7	70.7	24	63.9	0	6.8	68.0	1024.0
64.3	64.2	63.9	63.6	63.4	63.3	63.2	63.2	62.8	70.7	0	62.8	24	7.9	66.8	1022.4
57.4	57.2	57.3	57.6	57.6	57.8	57.9	58.1	58.1	62.8	0	57.2	17	5.6	59.4	1012.5
55.5	55.6	56.2	56.7	57.2	57.4	57.9	58.1	58.2	58.2	24	55.3	15	2.9	57.0	1009.3
57.4	57.5	57.8	58.0	58.4	58.7	59.1	59.4	59.9	59.9	24	57.3	15-16	2.6	58.4	1011.2
58.7	59.2	59.4	59.9	60.0	60.1	60.5	60.6	60.6	60.9	8	58.6	15	2.3	60.0	1013.3
58.6	58.7	58.5	58.7	58.8	58.7	58.5	58.5	58.5	61.1	9,10	58.3	23-24	2.8	59.7	1012.9
53.1	53.9	54.3	54.3	55.2	55.3	55.4	55.8	55.7	58.5	0	52.8	15-16	5.7	55.7	1007.6
57.3	57.6	58.0	58.8	59.0	59.2	59.3	59.7	59.7	59.8	23-24	54.9	5	4.9	57.0	1009.3
57.8	57.8	57.3	57.2	57.0	56.6	56.3	56.2	55.8	61.1	10	55.8	24	5.3	58.8	1011.7
59.2	59.3	59.5	59.8	60.0	60.2	60.3	60.5	60.5	62.4		58.3		4.1	60.2	1013.6

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
10.2	8.4	5.7	4.0	3.5	3.0	2.2	2.2	2.2	10.3	15	2.2	22,23,24	8.1	5.2
11.6	8.1	5.3	5.6	5.9	7.3	6.8	6.9	6.7	12.5	13	- 0.5	7,8	13.0	5.5
15.3	12.8	10.0	7.9	7.0	6.8	7.2	5.6	4.7	15.6	14,15	4.7	24	10.9	9.1
17.2	13.9	11.8	9.8	9.4	10.1	8.8	7.3	6.1	17.3	15	2.9	6	14.4	9.4
12.3	11.3	6.9	4.5	3.0	1.7	1.8	0.7	0.5	12.8	13,15	0.5	24	12.3	5.9
10.8	10.2	8.9	8.2	7.8	7.7	7.7	7.8	7.6	11.2	13	- 1.1	5	12.3	6.1
11.9	10.5	8.4	6.6	5.4	4.8	4.2	4.2	4.3	12.4	15	4.2	22,23	8.2	8.1
12.3	10.6	8.9	8.2	8.1	7.5	6.3	7.4	8.0	12.5	15-16	2.6	4-5	9.9	7.3
15.0	12.6	10.7	9.8	9.6	8.9	9.5	9.6	8.5	15.8	14	6.4	6	9.4	10.4
17.1	15.1	11.4	9.5	8.1	6.4	7.0	6.4	6.9	17.2	16-17	5.6	8	11.6	9.7
17.0	15.0	12.5	11.5	12.1	11.1	10.8	10.3	9.9	18.5	13-14	6.6	3	11.9	11.5
19.5	16.3	14.2	12.2	11.6	11.3	10.7	10.9	11.2	20.4	15	7.7	7-8	12.7	12.7
19.3	16.7	14.6	14.1	13.9	13.7	14.0	14.9	15.0	21.3	14	6.6	7-8	14.7	14.1
24.1	22.0	18.9	17.7	16.2	15.8	16.2	16.6	16.3	24.5	15	12.9	5	11.6	17.4
15.9	15.2	14.5	14.1	13.8	13.6	13.4	13.1	12.7	19.8	11-12	11.7	8	8.1	14.6
14.0	11.9	10.1	9.8	9.6	9.6	10.2	10.8	11.1	15.6	14	5.3	7-8	10.3	10.6
23.4	21.8	21.7	21.6	20.9	20.3	19.9	19.7	20.2	24.3	14	11.1	0	13.2	18.3
23.1	22.1	20.0	20.1	19.3	18.8	18.8	18.8	18.9	24.0	12-13	17.8	5-6	6.2	20.4
21.5	19.9	17.8	14.4	12.0	10.9	10.4	10.4	10.0	23.0	13-14	10.0	24	13.0	17.4
14.0	12.4	11.1	10.6	10.0	10.0	10.1	11.1	11.5	15.3	14-15	8.8	3	6.5	10.9
14.6	14.4	13.9	13.5	13.2	12.5	11.7	11.2	11.9	14.8	15	11.2	23	3.6	12.8
13.5	12.6	9.7	8.8	7.3	6.6	6.5	6.5	6.4	14.1	15-16	6.1	21-22	8.0	9.7
14.1	13.0	11.8	12.2	12.0	11.5	11.5	11.7	11.8	14.1	15,16	2.7	6-7	11.4	9.6
24.2	22.3	21.0	20.4	19.8	17.2	16.4	16.5	16.0	24.3	15-16	10.3	7	14.0	17.1
25.9	23.3	21.2	20.0	19.4	18.8	18.3	17.8	17.4	27.0	14	14.7	6-7	12.3	20.0
24.8	22.9	19.4	16.9	15.7	16.1	16.4	16.5	15.8	25.1	15	14.9	20-21	10.2	18.7
23.7	22.4	19.1	18.1	17.6	16.5	15.6	14.8	14.4	23.7	15,16	12.3	7	11.4	17.4
24.4	21.9	20.0	19.0	17.5	17.3	18.0	17.8	17.5	25.0	14,15	13.4	7	11.6	18.2
21.5	19.8	16.5	15.3	13.2	12.6	11.7	11.3	11.0	22.7	15	11.0	24	11.7	16.1
12.9	13.0	12.3	11.4	10.2	9.6	8.1	6.9	5.8	13.3	16-17	5.8	24	7.5	9.9
15.9	14.9	12.8	12.2	12.0	11.9	12.2	13.2	13.6	17.7	14	- 0.5	7	18.2	9.6
17.4	15.7	13.6	12.5	11.8	11.3	11.0	10.9	10.8	18.3		7.4		10.9	12.4

HUMEDAD RELATIVA en %

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	93	95	95	95	93	92	90	88	88	76	72	78	76	66	62
2	98	98	98	98	98	97	96	96	94	82	78	79	70	73	66
3	91	91	90	88	85	84	86	89	80	67	60	57	56	56	58
4	90	90	89	91	93	94	94	93	85	74	61	54	52	50	48
5	77	73	77	81	83	83	85	86	81	76	71	63	54	54	53
6	95	94	94	94	94	94	93	93	95	77	72	72	72	74	73
7	91	94	94	94	94	94	94	94	93	85	71	66	65	67	66
8	96	95	96	96	96	96	95	95	96	98	99	88	76	74	71
9	90	87	84	82	87	89	89	87	80	69	62	55	52	51	50
10	87	90	90	92	91	92	93	94	90	83	74	67	62	59	56
11	97	96	96	96	95	93	90	90	85	73	66	58	53	56	57
12	78	76	74	75	76	74	76	77	72	65	60	55	50	50	48
13	90	92	92	93	93	93	94	94	90	77	68	64	60	61	64
14	86	91	92	92	92	92	91	90	83	76	70	62	56	53	52
15	91	93	93	93	96	96	97	97	98	87	79	85	87	59	57
16	65	61	64	73	81	85	89	85	73	66	55	42	41	35	35
17	73	75	82	87	89	89	88	88	82	75	66	58	55	53	55
18	60	59	66	72	71	72	62	62	60	59	59	57	59	62	64
19	65	66	69	70	71	74	75	73	70	67	63	60	59	55	59
20	83	84	86	83	80	82	85	86	86	83	77	65	64	62	62
21	81	79	85	86	91	96	98	98	99	99	98	99	96	91	88
22	90	93	95	96	98	96	92	92	93	86	78	75	71	68	68
23	92	92	91	93	95	95	96	85	78	68	54	59	60	58	56
24	76	76	76	79	81	83	84	80	75	70	66	64	62	62	62
25	92	90	89	86	87	88	90	85	75	62	53	47	42	44	45
26	81	82	84	83	83	86	86	84	77	71	62	55	51	50	50
27	83	84	85	89	92	93	94	93	89	76	69	65	62	61	59
28	93	94	94	94	96	97	97	91	89	81	72	63	51	49	47
29	76	79	78	80	81	82	83	80	78	70	62	54	55	53	52
30	83	88	91	90	89	90	92	92	92	88	82	77	75	76	77
31	84	88	93	95	94	94	93	93	90	81	66	58	49	55	66
Prom.	85	85	86	88	88	89	89	88	84	77	69	64	61	59	59

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	5.2	5.2	5.2	5.0	5.2	5.4	5.2	5.6	5.8	6.4	5.6	6.0	6.2	5.8	5.8
2	4.8	4.6	4.4	4.2	4.4	4.2	4.2	4.7	5.0	6.4	7.4	7.4	7.2	7.2	6.8
3	6.6	6.6	6.6	6.2	6.2	5.8	5.4	6.2	6.2	6.4	7.4	7.4	7.2	7.5	7.6
4	5.8	5.8	5.4	5.4	5.2	5.0	5.2	5.6	6.4	6.8	7.6	7.0	7.4	7.3	7.0
5	5.2	4.8	4.4	4.8	4.6	4.6	4.2	4.7	4.8	5.8	6.4	6.6	5.8	6.5	5.8
6	4.2	4.2	4.2	4.0	3.8	4.2	4.6	5.3	6.0	6.4	6.4	6.6	7.2	6.9	7.2
7	7.2	7.0	7.0	6.8	6.8	6.8	6.8	6.9	7.2	8.0	7.0	7.2	6.6	7.1	7.4
8	5.8	5.4	5.6	5.4	5.8	5.8	6.4	6.4	6.6	7.2	8.0	7.8	7.6	7.6	7.6
9	7.2	7.2	6.8	6.9	6.2	6.2	6.4	6.8	6.4	6.6	7.0	6.2	6.6	6.9	6.2
10	6.8	6.6	6.6	6.6	6.8	6.4	6.2	6.4	6.6	7.0	7.2	8.0	8.5	8.4	8.0
11	7.2	7.0	7.0	7.0	6.8	7.0	7.0	7.0	7.4	8.0	8.5	8.0	7.8	8.7	7.8
12	6.8	6.8	6.4	6.2	6.4	6.0	6.0	6.1	6.6	7.0	7.6	7.8	7.8	8.6	8.5
13	8.5	8.5	8.0	8.0	7.6	7.8	7.2	7.4	9.0	10.0	10.0	10.5	10.5	11.3	11.0
14	10.5	10.5	10.0	10.0	10.0	10.0	10.5	10.6	11.0	13.0	11.5	12.0	12.0	12.0	12.0
15	11.5	11.0	11.0	11.0	10.5	10.5	10.0	10.0	11.5	12.0	12.5	12.0	12.0	8.4	7.8
16	6.8	6.6	5.6	5.8	6.0	6.0	6.0	5.8	5.8	6.2	5.6	5.0	5.4	4.6	4.0
17	7.2	7.4	8.5	9.0	9.0	9.5	9.5	10.3	11.0	10.5	12.0	11.5	11.5	11.4	11.5
18	10.5	10.0	10.5	11.0	11.0	10.0	10.0	10.3	9.0	10.5	11.0	12.0	12.5	13.5	13.5
19	10.5	10.5	10.5	10.0	10.5	10.0	10.0	10.7	10.5	11.0	11.0	10.5	11.5	11.5	11.5
20	7.2	7.0	7.2	6.8	6.4	6.8	7.0	7.4	7.6	7.4	7.8	7.0	7.8	8.7	7.8
21	8.0	7.8	8.0	8.5	9.0	9.5	10.0	10.3	10.5	10.5	11.0	11.0	11.0	11.2	10.5
22	8.0	8.0	8.0	8.5	8.0	8.0	7.8	7.9	7.8	8.0	7.8	7.2	7.8	7.8	7.8
23	6.4	6.2	6.0	5.8	5.6	5.2	5.6	6.6	6.0	6.0	5.2	5.8	6.2	6.6	6.8
24	8.0	8.0	7.4	7.8	8.0	7.8	7.4	8.4	9.0	9.5	11.5	13.0	13.0	12.6	14.0
25	12.0	11.5	11.5	11.5	11.5	11.0	10.5	11.8	12.5	12.5	12.0	11.5	11.0	11.6	11.0
26	12.0	11.5	11.0	11.0	11.0	10.5	10.5	11.4	11.5	12.0	12.0	11.0	11.5	11.8	11.0
27	10.5	10.0	10.0	10.0	10.0	10.0	10.0	10.6	11.5	12.0	12.0	13.0	12.5	13.0	12.5
28	11.0	10.5	10.5	10.5	11.0	11.0	11.0	11.6	11.5	12.5	12.5	12.5	12.0	11.6	11.0
29	10.5	10.0	9.5	9.0	9.5	9.0	9.0	9.4	9.5	10.0	10.5	10.0	9.5	10.3	10.5
30	7.8	7.4	7.6	7.2	7.2	7.4	7.8	8.1	7.8	7.6	7.2	7.6	7.6	8.0	8.0
31	5.4	5.2	4.8	4.4	4.2	4.2	4.0	5.2	6.2	7.6	7.8	7.6	6.8	8.2	9.0
Prom.	7.9	7.7	7.6	7.5	7.6	7.5	7.5	7.9	8.2	8.7	8.9	8.9	9.0	9.1	8.9

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
61	67	78	86	90	91	93	96	97	97	24	60	15-16	37	84
64	79	88	92	91	90	90	90	90	98	varios	64	16	34	87
58	67	78	87	91	91	88	92	94	94	24	55	13-14	39	78
49	57	66	73	76	71	77	81	81	94	0,6,7	48	15	46	74
55	59	76	87	93	95	96	95	95	96	22	53	15	43	77
75	83	84	87	89	91	91	92	92	95	0,1	71	13-14	24	86
69	76	84	91	94	96	97	96	96	97	22	65	13	32	86
68	79	85	88	93	94	94	93	92	96	varios	68	16	28	89
52	60	68	72	75	80	82	78	82	92	0	50	15	42	73
56	65	83	91	95	96	97	97	97	97	22,23,24	56	15,16	41	83
59	66	78	82	74	78	79	79	79	97	0,1	51	13-14	46	78
56	64	74	84	88	88	89	91	91	91	23,24	48	15	43	72
68	75	82	86	86	87	88	85	85	94	7,8	59	13-14	35	82
55	65	76	77	81	84	83	82	84	92	varios	52	15	40	78
63	63	65	66	67	70	75	78	76	98	9	56	14-15	42	80
39	46	55	67	73	83	86	79	75	89	7	34	13-14	55	65
55	57	56	55	57	61	61	63	61	89	5,6	52	15-16	37	68
67	71	75	68	68	70	68	68	68	75	18	57	12	18	65
65	73	84	89	88	87	83	76	78	89	19	55	14	34	72
63	64	69	74	79	82	85	83	81	86	3,8,9	62	14,15	24	77
86	85	87	86	86	87	88	91	89	99	9,10,12	79	2	20	90
67	70	83	86	94	98	98	96	92	98	5,21,22	67	16	31	86
57	64	69	63	67	74	74	72	74	96	7	54	11	42	74
62	66	69	70	74	88	91	90	92	92	24	62	varios	30	75
47	58	64	67	72	75	77	80	82	92	0,1	42	13	50	71
51	57	74	84	91	86	79	78	81	94	20-21	50	14,15	44	74
59	63	78	85	88	92	93	92	93	94	7,24	59	15,16	35	81
50	64	68	71	79	80	76	73	72	97	6,7	46	14-15	51	77
54	63	85	90	88	86	87	85	85	91	19-20	52	15	39	74
78	77	80	81	86	81	79	80	81	92	7,8,9	75	13	17	84
65	68	79	86	89	89	88	84	83	95	4	48	13-14	47	80
60	67	76	80	83	84	85	84	84	93		56		37	78

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
5.8	5.4	5.2	5.2	5.3	5.2	5.0	5.2	5.2	6.4	10	5.0	4,22	1.4	5.5
6.4	6.2	5.8	6.2	6.3	6.6	6.4	6.4	6.4	7.4	11,12	4.2	4,6,7	3.2	5.8
7.4	7.4	7.2	6.8	6.8	6.8	6.2	6.2	5.8	7.6	15	5.4	7	2.2	6.7
6.8	6.6	6.8	6.4	6.7	6.6	6.4	6.2	5.8	7.6	11	5.0	6	2.6	6.3
5.6	5.6	5.0	5.4	5.3	4.6	4.8	4.4	4.4	6.6	12	4.2	7	2.4	5.2
7.0	7.6	7.0	7.0	7.0	7.2	7.2	7.2	7.2	7.6	17	3.8	5	3.8	6.1
6.8	7.2	6.8	6.6	6.3	5.8	6.0	6.0	6.0	8.0	10	5.8	21	2.2	6.8
7.2	6.8	7.0	7.0	7.5	7.0	6.6	7.0	7.4	8.0	11	5.4	2,4	2.6	6.8
6.6	6.2	6.4	6.4	6.7	6.4	7.2	7.0	6.8	7.2	1,2,22	6.2	varios	1.0	6.6
8.0	7.8	8.0	8.0	7.7	7.0	7.2	7.0	7.2	8.5	13	6.2	7	2.3	7.2
8.0	8.5	8.0	8.0	7.8	7.6	7.4	7.2	7.0	8.7	14	6.8	5	1.9	7.6
8.0	7.8	8.5	8.5	9.0	8.5	8.0	8.5	9.0	9.0	20,24	6.0	6,7	3.0	7.5
11.0	10.0	10.0	10.5	10.2	10.0	10.5	10.0	10.5	11.3	14	7.2	7	4.1	9.5
11.5	12.0	12.5	11.5	11.1	10.5	11.0	11.5	11.0	13.0	10	10.0	varios	3.0	11.2
8.0	8.0	7.6	8.0	7.8	7.8	8.0	8.5	8.0	12.5	11	7.6	18	4.9	9.7
4.4	4.8	4.8	6.0	6.6	7.2	8.0	7.4	7.0	8.0	22	4.0	15	4.0	5.9
11.0	11.0	11.0	10.0	10.4	11.0	10.5	10.5	11.0	12.0	11	7.2	1	4.8	10.2
14.0	14.5	12.5	12.0	11.2	10.5	10.5	10.5	11.5	14.5	17	9.0	9	5.5	11.4
11.5	12.5	12.5	10.5	9.2	8.0	7.8	7.2	7.0	12.5	7,18	7.0	24	5.5	10.3
7.4	6.6	6.6	6.8	7.2	7.6	7.6	8.0	8.0	8.7	14	6.6	17,18	2.1	7.2
10.0	10.0	10.0	10.0	9.7	9.5	8.5	9.5	9.0	11.2	14	7.8	2	3.4	9.7
7.8	7.4	7.4	6.8	7.2	7.0	7.0	7.0	7.0	8.5	4	6.8	19	1.7	7.6
6.8	7.0	6.8	6.6	7.0	7.2	7.2	7.4	7.4	7.4	23,24	5.2	6,11	2.2	6.4
14.0	13.5	12.5	12.0	12.7	12.5	12.5	12.0	12.5	14.0	15,16	7.4	3	6.6	10.8
11.5	12.0	11.5	11.5	12.1	11.5	12.0	11.5	12.0	12.5	9,10	10.5	7	2.0	11.6
12.0	11.5	12.0	11.5	12.1	11.5	10.5	10.5	10.5	12.1	20	10.5	varios	1.6	11.3
12.5	12.5	12.5	12.5	13.2	13.0	12.0	11.5	11.0	13.2	20	10.0	varios	3.2	11.6
10.5	12.0	11.5	12.0	11.7	11.0	11.5	11.5	11.5	12.5	10,11,12	10.5	varios	2.0	11.4
10.0	10.5	11.5	11.5	10.0	9.5	8.5	8.0	8.0	11.5	18,19	8.0	23,24	3.5	9.7
8.5	9.0	8.0	8.5	8.1	7.4	6.2	5.6	5.6	9.0	17	5.6	23,24	3.4	7.6
9.0	8.0	8.0	9.0	9.3	8.5	9.0	9.0	9.5	9.5	24	4.0	7	5.5	7.1
8.9	8.9	8.7	8.7	8.7	8.4	8.3	8.2	8.3	9.9		6.7		3.2	8.3

VIENTO: DIRECCIÓN Y VELOCIDAD: PREVALENCIAS

HORAS	0 – 1		1 – 2		2 – 3		3 – 4		4 – 5		5 – 6		6 – 7		7 – 8		8 – 9		9 – 10		10 – 11		11 – 12		12 – 13		13 – 14		14 – 15	
DÍAS	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.
1	N	3	NW	4	NW	6	NW	7	NW	6	NW	5	SW	6	S	7	W	4	SW	8	W	8	W	8	W	8	W	8	W	8
2	Calma	0	Calma	1	Calma	0	Calma	1	SE	2	Calma	1	Calma	0	Calma	1	E	2	NE	3	E	3	E	3	E	3	E	3	E	3
3	NW	4	NW	5	NW	6	NW	7	NW	9	NW	7	NW	5	NW	4	NW	5	W	9	W	11	W	10	W	11	W	13	W	11
4	W	3	W	5	W	4	W	4	W	3	W	8	W	3	W	9	W	12	W	13	W	12	W	13	W	12	W	12	W	10
5	SW	5	SW	7	SW	6	SW	4	SW	6	SW	8	SW	6	SW	7	SW	7	SW	6	SW	6	SW	5	SW	7	SW	6	SW	5
6	NW	3	Calma	0	Calma	0	Calma	0	Calma	0	NW	3	NE	6	NE	4	NE	7	NE	8	NE	8	NE	4	NW	4	E	2	Calma	1
7	NW	4	NW	3	SW	4	Calma	1	SE	2	SE	3	SW	3	SW	3	SE	4	E	4	E	6	E	5	E	2	Calma	1	S	4
8	S	2	S	2	S	4	Calma	1	Calma	1	Calma	1	S	3	SW	3	SE	2	SE	1	SE	6	S	5	N	9	N	11	N	9
9	NE	9	NE	9	NE	9	NE	9	NE	7	NE	7	NE	11	NE	10	NE	15	NE	16	N	19	N	22	N	20	N	21	N	14
10	N	12	N	11	N	12	NW	9	NW	8	NW	2	Calma	1	NW	3	NW	8	NW	9	NW	7	NW	7	NW	6	NW	6	NW	3
11	NE	5	NE	6	NE	6	NE	6	NE	7	NE	7	NE	8	NE	8	NE	10	NE	12	NE	9	NE	13	NE	15	NE	16	E	14
12	NE	12	NE	14	NE	13	NE	11	NE	10	NE	13	NE	11	NE	9	NE	12	N	16	NW	16	NW	15	NW	13	NW	15	NW	11
13	NE	6	NE	5	NE	6	NE	4	NE	4	NE	4	Calma	1	E	4	NE	3	NE	8	NE	8	NE	9	NE	6	NE	8	E	8
14	NE	13	NE	12	NE	11	NE	12	NE	11	NE	11	NE	13	NE	15	N	18	NW	21	NW	20	NW	22	NW	21	NW	21	NW	19
15	NW	5	NW	4	NW	8	NW	7	SW	2	Calma	0	Calma	1	SE	2	Calma	1	NE	5	NE	7	NE	4	S	7	SE	10	SE	7
16	SW	5	SW	4	SW	4	SE	3	SE	2	Calma	1	Calma	0	Calma	0	SE	2	Calma	1	SE	3	SE	6	SE	5	E	6	E	13
17	E	15	E	16	NE	15	NE	15	NE	15	NE	12	NE	17	NE	16	NE	21	N	24	N	23	N	28	N	27	N	29	N	20
18	N	28	N	29	N	21	NE	19	N	22	N	23	N	29	N	30	N	30	NW	36	NW	44	NW	38	NW	34	NW	29	NW	20
19	N	20	N	16	N	18	N	16	N	19	N	15	N	15	N	16	NW	15	NW	20	NW	21	NW	19	NW	15	NW	15	NW	9
20	SE	8	SE	9	SE	8	SE	10	SE	8	SE	9	SE	9	SE	9	SE	10	SE	11	SE	12	SE	11	E	10	E	14	E	14
21	E	15	E	17	E	12	E	16	E	12	E	13	NE	11	NE	7	NE	8	Calma	0	NW	5	W	5	W	4	W	5	W	4
22	S	4	S	8	S	5	S	3	SE	4	SE	3	SE	3	SE	2	Calma	1	SE	3	SE	5	SE	5	SE	7	SE	5	SE	4
23	SE	3	SE	3	SE	3	SE	2	SE	2	Calma	0	E	3	NE	8	NE	17	NE	22	NE	22	NE	24	NE	24	NE	23	NE	18
24	NE	17	NE	19	NE	18	NE	19	NE	17	NE	14	NE	14	NE	14	NE	18	NE	22	NE	19	NE	22	NE	22	NE	22	NE	20
25	NE	15	NE	17	NE	17	NE	22	NE	18	NE	17	NE	15	NE	13	N	17	NW	27	NW	30	NW	31	NW	31	NW	36	NW	30
26	N	18	N	15	N	14	N	14	N	16	N	14	N	14	N	16	N	24	NW	22	NW	22	NW	23	NW	23	NW	24	NW	18
27	NW	10	NW	8	NW	8	NW	6	N	5	NE	5	NE	8	NE	4	N	9	NW	14	NW	15	NW	13	NW	14	NW	11	NW	10
28	E	7	SE	3	SE	5	E	5	E	8	E	7	NE	7	NE	7	NE	13	NE	11	NE	13	NW	15	NW	17	NW	17	NW	12
29	NE	12	NE	15	NE	14	NE	16	NE	14	NE	14	NE	16	NE	12	NE	6	NE	15	NE	14	NE	16	NE	10	NE	12	W	16
30	W	15	W	15	W	18	W	17	W	20	W	20	W	22	W	21	W	23	W	20	W	18	W	18	W	18	W	20	W	17
31	SW	5	SW	3	Calma	0	Calma	1	Calma	1	NW	3	W	3	SW	2	Calma	0	Calma	0	NE	7	NE	9	NE	8	NE	8	NE	11
DIRECCION PREVALENTE	NE		NE		NE		NE		NE		NE		NE		NE		NE		NE		NE–NW		NE–NW		NW		NW		NW	
NUMERO DE HORAS	3		3		4		4		7		10		12		13		14		9		9		7		10		8		9	
PROMEDIO DE LA VELOCIDAD	7		8		7		7		6		6		7		8		12		11		11		12		11		11		11	

15 – 16		16 – 17		17 – 18		18 – 19		19 – 20		20 – 21		21 – 22		22 – 23		23 – 24		PREVALENCIA DIARIA		PROMEDIO DIARIO DE VELOCIDAD	VELOCIDAD INSTANTÁNEA		
DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIRECCIÓN	NÚMERO DE HORAS		VELOCIDAD	DIRECCIÓN	HORA
SW	7	SW	6	Calma	1	Calma	1	SW	4	SW	3	Calma	1	SE	2	SE	2	SW	10	5	17	S	13.14
NE	7	NE	2	NE	2	NE	4	E	3	E	6	E	3	NE	2	Calma	0	NE	9	3	11	NE	12.47
W	11	W	6	W	5	W	3	W	5	W	4	W	6	W	4	W	5	W	15	7	18	W	13.33
W	14	W	11	W	12	W	9	W	10	SW	9	SW	10	SW	8	SW	9	W	16	10	31	W	13.36
SW	6	SW	2	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	Calma	0	Calma	0	SW	17	4	12	SW	15.16
Calma	1	E	2	E	6	E	6	E	4	E	2	NE	10	Calma	1	NE	6	NE	8	4	12	NE	10.48
SE	2	Calma	0	S	2	Calma	1	Calma	0	Calma	0	Calma	1	S	3	S	2	Calma	7	2	9	E	10.22
NE	5	E	6	E	5	E	6	E	8	E	6	E	7	NE	7	NE	9	E	7	5	12	NE	14.06
NE	14	NE	9	NE	7	NE	3	NE	8	NE	7	NE	7	NE	13	N	14	NE	19	12	29	NE	11.20
Calma	1	Calma	0	N	2	Calma	0	Calma	0	NE	2	NE	3	NE	6	NE	7	NW	11	5	14	NE	0.46
NE	15	NE	11	NE	7	NE	11	NE	16	NE	16	NE	14	NE	12	NE	13	NE	24	11	22	NE	20.09
NE	8	E	9	E	8	E	9	E	9	E	8	E	6	NE	9	NE	8	NE	12	11	26	N	10.00
E	9	E	10	E	11	E	10	E	10	E	10	NE	10	NE	13	NE	15	NE	12	8	19	NE	23.48
NE	14	NE	7	NE	6	NE	9	NE	9	NE	12	NE	12	N	12	NW	9	NE	14	14	28	N	9.06
SE	5	SE	6	SE	5	SE	2	SE	3	Calma	1	SW	3	SW	3	SW	3	SE	8	4	21	SE	13.19
E	12	E	6	E	8	E	8	E	9	E	9	E	9	E	11	E	12	E	11	6	17	NE	15.02
NE	18	NE	19	NE	25	NE	30	NE	32	NE	32	N	33	N	28	N	26	NE	16	22	45	NE	19.30
NW	14	NW	13	NW	9	N	11	N	12	N	11	N	16	N	18	N	18	N	14	23	50	NW	10.24
NW	4	Calma	0	Calma	0	SE	6	SE	9	SE	13	SE	12	SE	10	SE	11	N NW	8	13	28	NW	10.49
E	19	E	14	E	11	E	11	SE	6	SE	7	SE	10	SE	9	E	17	SE	17	11	28	E	15.41
SW	4	SW	5	SW	7	SW	7	SW	5	SW	4	SW	6	SW	5	SW	6	SW	9	8	26	E	0.28
SE	2	Calma	1	Calma	0	Calma	1	Calma	0	Calma	0	Calma	1	SE	3	SE	3	SE	13	3	18	SW	1.20
NE	18	NE	10	NE	10	NE	16	NE	18	NE	19	NE	19	NE	18	NE	17	NE	19	13	30	NE	9.46
NE	17	NE	12	NE	10	NE	15	NE	15	NE	14	NE	12	NE	12	NE	11	NE	24	16	31	N	12.50
NW	22	NE	12	NE	13	NE	17	N	17	N	15	N	14	N	16	N	16	NE	11	20	44	NW	13.10
NW	14	NW	7	Calma	0	Calma	0	Calma	0	NW	5	NW	8	NW	9	NW	8	NW	12	14	33	NW	10.36
NW	8	W	5	W	2	S	2	Calma	1	SE	4	SE	6	SE	6	SE	9	NW	11	8	19	NW	12.11
NW	5	E	4	E	7	E	9	E	10	E	10	NE	16	NE	17	NE	17	E	9	10	28	NW	13.02
W	9	W	12	W	11	W	14	W	19	W	16	W	17	W	15	W	17	NE	14	14	31	W	20.36
W	16	W	14	SW	10	SW	6	W	7	W	5	SW	5	SW	7	SW	4	W	19	15	37	W	13.31
E	5	E	3	E	3	E	10	E	10	E	8	NE	11	NE	14	NE	20	NE	8	6	12	NE	18.50
NE		NE – E		NE – E		NE – E		E		E		NE		NE		NE		PREVALENCIA MENSUAL		VELOCIDAD MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		Dirección	Horas		36 Km.		
8		8		8		8		8		8		10		11		10		NE	215	10	DIRECCIÓN	DÍA	HORA
	10		7		7		8		8		8		9		9		10				NW	18 25	de 11.20 a 11.30 de 11.15 a 11.45

FRECUENCIAS, KILÓMETROS RECORRIDOS Y VELOCIDAD MEDIA POR DIRECCIÓN

DÍAS	NORTE		NORESTE		ESTE		SUDESTE		SUD		SUDOESTE		OESTE		NOROESTE		Calma	TOTALES DIARIOS DE KILÓMETROS
	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	
1	1	3					2	4			10	65	2	11	6	39	3	125
2			9	46	4	16	3	6									8	72
3													15	112	9	52		164
4											4	36	16	191	4	18		245
5											17	100					7	101
6			8	53	6	22									3	10	7	88
7					4	17	6	17	4	11	1	4			2	7	7	60
8			6	50	7	43	4	12	4	11							3	119
9	6	109	18	170														279
10	4	37	4	18											11	68	5	125
11			24	257														257
12	1	16	12	130	6	49									5	70		265
13			15	109	8	72											1	182
14	2	30	14	153											8	147		330
15			3	16			8	40	1	7	4	11			4	24	4	101
16					11	105	6	21			3	13					4	141
17	9	238	13	267	2	31												536
18	14	298	1	19											9	237		554
19	8	135					6	61							8	118	2	314
20					8	110	16	146										256
21			3	26	6	88					9	49	4	18	1	5	1	186
22							13	49	4	20							7	73
23			17	303	1	3	5	13									1	319
24			24	395														395
25	6	95	11	176											7	207		478
26	9	145													12	183	3	328
27	2	14	3	17			4	24	1	2			2	7	11	117	1	182
28			8	101	9	67	2	8							5	66		242
29			14	186									10	146				332
30											5	32	19	323				355
31			8	86	6	39					3	10	1	3	1	3	5	143
SUMAS	62	1120	215	2578	78	662	75	401	14	51	56	320	69	811	106	1371	69	7347
% PREVAL POR VELOCIDAD	15.2		35.1		9.0		5.4		0.7		4.4		11.0		18.7		0.4	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	18		12		8		5		4		6		12		10		0	237

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	5	8	3	2	2	3	1	6	1
1 - 2	4	8	2	3	2	3	1	6	2
2 - 3	4	9	1	3	2	3	1	5	3
3 - 4	2	10	2	3	1	1	1	6	5
4 - 5	4	9	2	6		2	2	3	3
5 - 6	3	10	2	3		1	2	5	5
6 - 7	3	12	1	3	1	1	3	2	5
7 - 8	3	13	1	5		2	3	2	2
8 - 9	5	11		5		1	3	3	3
9 - 10	2	9	1	4		2	3	7	3
10 - 11	2	9	2	4		2	3	9	
11 - 12	2	9	2	3		2	4	9	
12 - 13	2	8	2	2	1	2	4	10	
13 - 14	2	8	3	2		2	4	9	1
14 - 15	2	6	3	2	1	2	5	9	1
15 - 16		8	4	3		3	4	7	2
16 - 17		8	8	1		3	5	2	4
17 - 18	1	8	8	1	1	2	4	1	5
18 - 19	1	8	8	2	1	2	3		6
19 - 20	2	6	8	3		2	4		6
20 - 21	2	7	8	3		3	3	1	4
21 - 22	3	10	4	3		4	2	1	4
22 - 23	4	11	1	5	1	4	2	1	2
23 - 24	4	10	2	4	1	4	2	2	2
SUMAS	62	215	78	75	14	56	69	106	69
% de frec. por dirección	8.3	28.9	10.5	10.1	1.9	7.5	9.3	14.2	9.3

NUBES. VISIBILIDAD

DÍAS	NUBES 8h CLASE	0-8	NUBES 12h CLASE	0-8	NUBES 14h CLASE	0-8	NUBES 18h CLASE	0-8	NUBES 20h CLASE	0-8	VISIBILIDAD 8h	14h	20h
											90 - 99		
1	Ac	7	St	8	Cu 2 Cc 1	3	Cu	1	Claro	0	96	97	97
2	Ci	6	Cu	2	Cu	4	Sc	2	Ac	7	6	8	5
3	Ac	6	Claro	0	Cu	3	Cu	1	Claro	0	8	7	8
4	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	8	8
5	Ci	1	Ci	1	Ci	3	Ci	7	Claro	0	8	7	8
6	Ac As	8	Ac	7	As	8	Ac	7	As	8	1	6	6
7	Ac	6	Ac	2	Ac As	8	Ac	5	Claro	0	7	3	8
8	Niebla	8	Ci	6	Ci 6 Cu 1	7	Ci 1 Cu 1	2	Ac 1 Ci 1	2	0	5	6
9	Ci 5 Ac 1	6	Ci	5	Ci	6	Ci	3	Ci	1	7	8	8
10	Ac 2 Ci 1	7	Ac 1 Ci 3	4	Ac 1 Ci 1	2	Ci	1	Claro	0	7	8	8
11	As 1 Ci 5	6	Ci	1	Ci	1	Ci	4	Claro	0	8	8	8
12	Cs	8	Cs	8	Cs	8	Cs	8	Cs	8	8	6	7
13	Claro	0	Claro	0	Claro	0	Claro	0	Cs	5	2	7	7
14	Cs	8	Ci	6	Ci	6	Ci	2	Claro	0	6	6	7
15	Ac 6 Cs 2	8	Ac 5 Ci 2	7	As	8	Ac	8	Sc	8	5	7	7
16	Ac 5 Ci 2	7	Cs 3 Ac 5	8	Cs	8	Claro	0	Ci	3	7	5	8
17	Ac	5	Cs	8	Ci	8	Ci	8	Ac	8	8	8	7
18	As	8	As	8	As	8	Ac 5 As 3	8	Ci	7	8	8	7
19	As Ac	8	Sc 3 Ci 2 As 3	8	Sc 2 As 6	8	Sc 3 As 5	8	Fs 3 Ci 4	7	7	7	7
20	Fs	8	Ac 1 Ci 1	2	Sc	4	Ci	1	Cs	8	8	4	7
21	Niebla	8	St	8	St	8	St	8	St	8	1	6	8
22	Sc	7	Cu	3	Cu	4	Cu	4	Claro	0	5	6	8
23	Ci	8	Ci	2	Claro	0	Claro	0	Claro	0	8	7	8
24	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	9
25	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	6	7	7
26	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	6	7	8
27	Claro	0	Claro	0	Claro	0	Claro	0	Ac	6	6	7	5
28	Sc	7	Ac 4 Ci 2	6	Ci	7	Claro	0	Claro	0	7	7	6
29	St	7	Ac	6	Ac	6	Ns	8	Fs	8	6	7	6
30	St	8	Fs	8	Sc	8	St	6	Claro	0	6	7	8
31	Ci	2	Ci	7	Ci	6	Ci	2	Ci	7	6	8	8
Prom.		5		4		5		3		3			

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0 - 8	Insolación	Transparencia	Observaciones
	9	17.5	8.3	0.75	8	2	4	Ne.
	10	28.3	12.4	1.29	6	4	4	Ne.
1	12	13.6	6.9	0.54	8	0	5	
	14	27.0	13.5	1.10	3	3	5	
	15	25.7	12.7	1.06	2	5	5	
	9	20.5	9.9	0.86	5	2	3	Ne.
	10	21.5	10.2	0.92	4	2	3	Ne.
2	12	22.3	12.7	0.78	6	4	4	
	14	20.2	12.7	0.61	4	3	4	
	15	27.2	14.5	1.03	3	5	4	
	9	24.9	11.8	1.06	1	5	3	
	10	30.5	15.0	1.26	0	5	4	B.
3	12	34.5	18.1	1.33	0	5	5	
	14	38.0	20.0	1.46	3	3	5	
	15	29.8	17.1	1.03	1	5	4	
	9	25.3	11.2	1.15	0	5	4	B.
	10	30.6	14.4	1.32	0	5	4	B.
4	12	35.8	19.5	1.33	0	5	4	B.
	14	35.6	20.8	1.20	0	5	4	
	15	30.0	17.2	1.04	0	5	4	
	9	23.6	9.0	1.20	1	5	4	B.
	10	28.6	12.2	1.33	1	5	4	B.
5	12	34.2	16.6	1.43	2	5	4	B.
	14	32.4	16.3	1.31	3	4	5	
	15	27.0	14.0	1.06	7	2	5	
	9	20.4	9.8	0.86	7	2	4	
	10	15.6	9.7	0.48	8	0	4	
6	12	18.0	11.7	0.51	8	0	4	
	14	16.5	11.9	0.37	8	0	4	
	15	17.7	12.2	0.45	8	0	3	
	9	14.7	9.1	0.46	7	1	1	Ne.
	10	18.5	11.7	0.55	7	1	1	Ne.
7	12	28.7	15.2	1.10	2	2	2	
	14	16.8	12.9	0.32	8	3	3	
	15	17.6	13.1	0.36	8	0	0	
	9				8	0	0	N., Am.
	10				8	0	0	N., Am.
8	12	19.8	13.8	0.57	8	0	2	
	14	20.8	13.0	0.63	7	4	5	
	15	27.0	15.0	0.98	7	4	5	
	9	25.5	12.2	1.08	6	2	4	
	10	23.4	13.1	0.84	6	2	5	
9	12	34.5	19.5	1.22	7	2	2	
	14	38.3	20.0	1.49	6	2	5	
	15	32.3	18.4	1.13	2	4	5	
	9	14.1	9.5	0.37	8	0	4	
	10	20.5	12.1	0.68	6	2	4	
10	12	36.6	19.7	1.37	3	5	4	
	14	34.0	20.0	1.14	2	5	4	
	15	32.5	19.1	1.09	1	5	4	
	9	25.3	13.0	1.00	4	4	4	
	10	32.6	17.1	1.26	5	4	4	
11	12	36.0	20.5	1.26	1	5	4	
	14	36.8	21.5	1.24	1	5	4	
	15	31.9	19.5	1.01	2	4	4	
	9	27.2	14.0	1.07	8	3	4	
	10	32.3	17.3	1.22	8	3	4	
12	12	35.5	19.7	1.28	8	3	4	
	14	36.8	22.9	1.13	8	4	5	
	15	35.0	22.2	1.04	8	4	5	
	9	28.2	15.7	1.02	0	5	4	Ne.
	10	34.4	19.5	1.21	0	5	4	Ne.
13	12	38.5	23.0	1.26	0	5	4	
	14	36.2	23.5	1.03	0	5	4	
	15	31.7	21.0	0.87	0	5	4	
	9	29.9	18.7	0.91	8	4	3	
	10	36.4	22.2	1.15	3	4	3	
14	12	41.2	26.2	1.22	5	5	4	
	14	42.4	27.8	1.19	6	5	4	
	15	40.3	27.1	1.07	4	5	4	
	9	21.1	16.1	0.41	8	1	2	
	10	25.0	18.0	0.57	8	1	3	
15	12	27.0	18.3	0.71	8	1	3	
	14	24.6	18.5	0.50	8	0	4	
	15	19.6	17.1	0.20	8	0	4	
	9	16.0	12.0	0.32	8	1	3	
	10	18.4	11.3	0.58	8	1	3	
16	12	27.9	17.5	0.84	7	2	3	
	14	25.7	12.1	1.10	8	2	3	
	15	29.6	17.4	0.99	3	2	5	
	9	32.2	19.6	1.02	5	4	4	B.
	10	31.7	20.6	0.90	7	4	4	B., Ja.
17	12	37.8	20.9	1.37	7	3	4	B.
	14	36.9	26.5	0.84	8	4	4	B.
	15	27.6	23.6	0.32	8	2	4	B.
	9	24.4	20.7	0.30	8	3	4	B.
	10	33.5	23.3	0.83	8	3	4	B.
18	12	34.9	25.8	0.74	8	0	4	
	14	30.0	24.5	0.45	8	1	5	
	15	27.6	24.0	0.29	8	0	4	B.
	9	21.9	18.9	0.24	8	0	4	
	10	23.2	19.8	0.28	8	1	4	
19	12	28.7	22.5	0.50	8	0	4	
	14	36.2	25.4	0.88	8	0	4	
	15	25.7	22.1	0.29	8	0	4	
	9	15.8	10.9	0.40	8	0	5	
	10	18.2	12.0	0.50	8	0	5	
20	12	35.1	18.4	1.36	2	4	4	
	14	31.3	18.2	1.06	4	2	3	
	15	28.3	16.9	0.93	2	5	4	B.
	9				8	0	1	Nb., Am.
	10				8	0	2	N., Am.
21	12				8	0	3	N., Am.
	14	18.6	15.4	0.26	8	0	3	
	15	16.3	15.0	0.10	8	0	5	
	9	30.5	13.9	1.35	3	5	5	
	10	28.4	14.1	1.16	4	3	5	
22	12	33.8	16.3	1.42	2	5	5	
	14	30.7	16.5	1.15	4	3	5	
	15	35.0	18.3	1.36	4	3	5	
	9	25.7	12.4	1.08	6	4	4	
	10	30.5	14.2	1.33	0	5	5	
23	12	33.4	16.0	1.41	0	5	5	
	14	34.0	17.4	1.35	0	5	5	
	15	31.9	17.5	1.17	0	5	5	
	9	30.7	17.9	1.04	0	5	4	
	10	35.4	21.1	1.16	0	5	4	
24	12	41.2	26.3	1.21	0	5	4	
	14	41.8	27.5	1.16	0	5	5	
	15	40.1	27.1	1.06	0	5	5	
	9	35.4	22.1	1.08	0	5	4	Ne.
	10	40.0	26.5	1.10	0	5	4	Ne.
25	12	44.5	29.8	1.20	0	5	4	Ne.
	14	44.2	30.3	1.13	0	5	4	Ne.
	15	41.0	29.3	0.95	0	5	4	Ne.
	9	34.1	22.0	0.98	0	5	4	B.
	10	36.9	23.3	1.10	0	5	4	B.
26	12	42.0	27.4	1.19	0	5	4	B.
	14	42.0	28.0	1.14	0	5	4	B.
	15	39.4	27.8	0.94	0	5	4	B.
	9	30.5	18.8	0.95	0	5	4	Ne.
	10	34.3	20.6	1.11	0	5	4	Ne.
27	12	39.0	25.5	1.10	0	5	4	B.
	14	38.4	26.5	0.97	0	5	4	
	15	34.8	25.3	0.77	0	5	4	B.
	9	20.3	16.6	0.30	7	0	4	Ne.
	10	27.0	20.0	0.57	7	0	4	Ne.
28	12	46.3	29.1	1.40	6	4	4	B.
	14	42.0	28.2	1.12	7	4	4	B.
	15	38.0	26.5	0.93	5	5	4	B.
	9	24.5	16.6	0.64	6	4	4	Ne.
	10	24.4	18.3	0.50	6	0	4	Ne.
29	12	22.5	17.0	0.45	6	0	4	B.
	14	33.1	28.2	0.40	6	4	4	B.
	15	27.6	23.0	0.37	5	0	4	B.
	9				8	0	5	Am.
	10				8	0	5	Am.
30	12	18.6	13.8	0.39	8	0	5	
	14	17.0	13.0	0.32	8	0	5	
	15	13.6	12.5	0.09	8	0	5	
	9	23.5	11.0	1.02	4	4	4	Ne.
	10	32.9	15.2	1.44	5	4	4	
31	12	34.3	19.2	1.23	7	3	5	
	14	39.1	21.6	1.42	6	4	4	B.
	15	34.5	19.7	1.20	7	3	4	B.

HELIOFANÍA

DÍAS \ HORAS	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H.EFECTIVA	H.TEÓR.ASTRON	H.RELATIVA
1			0.3	1.0	1.0	0.3	0.2	0.5	1.0	1.0	1.0	0.1			6.4	9.8	65
2				0.5	1.0	1.0	0.6	0.9	0.9	0.7	1.0				6.6	9.8	67
3			0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4				8.0	9.8	82
4			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6			8.9	9.8	91
5			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.4			8.6	9.8	88
6					0.7	0.2	0.1	0.1							1.1	9.8	11
7					0.1	0.1	1.0	0.3		0.1					1.6	9.9	16
8						0.3	0.2	0.5	1.0	1.0	1.0	0.1			4.1	9.9	41
9			0.3	1.0	1.0	0.7	0.9	0.8	0.9	1.0	1.0	0.5			8.1	9.9	82
10				0.1		0.7	1.0	1.0	1.0	1.0	1.0	0.3			6.1	9.9	62
11				0.3	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.2			7.4	9.9	75
12				0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1			7.7	9.9	78
13			0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4			8.5	9.9	86
14				0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			8.4	9.9	85
15						0.7	0.5	0.1	0.2						1.5	9.9	15
16			0.4	0.5		0.2	0.7	0.5	1.0	1.0	1.0	0.5			5.8	9.9	59
17				0.6	0.7	1.0	0.8	0.1		0.4	0.1				3.7	10.0	37
18					0.2	0.2									0.4	10.0	04
19									0.3						0.3	10.0	03
20						0.6	1.0	1.0	1.0	1.0	1.0	0.1			5.7	10.0	57
21															0.0	10.0	00
22					0.9	1.0	1.0	1.0	1.0	0.9	0.7	0.3			6.8	10.0	68
23				0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6			8.2	10.1	81
24			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4			8.8	10.1	87
25			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4			8.7	10.1	86
26			0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9			9.0	10.2	88
27			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3			8.7	10.2	85
28			0.2		0.2	0.1	0.6	1.0	1.0	1.0	0.7				4.8	10.2	47
29				0.3	0.4	0.8	0.8		0.5	0.7	0.4	0.1			4.0	10.2	39
30															0.0	10.3	00
31			0.3	1.0	0.5	0.9	1.0	1.0	1.0	0.6	0.4	0.3			7.0	10.3	68
Medias			0.1	0.5	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.2			5.6	10.0	57

GEOTEMPERATURA

DÍAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h
1	8.5	9.5	9.4	8.3	9.0	8.1	7.9	8.0	8.2	8.8	8.9	8.9	12.5	12.5	12.4
2	7.9	9.3	9.5	8.0	8.6	8.9	7.7	7.6	8.0	8.7	8.6	8.6	12.4	12.3	12.1
3	9.3	10.7	10.4	8.9	9.7	10.0	8.0	8.2	8.8	8.8	8.6	9.1	12.2	12.3	12.2
4	9.0	10.8	10.9	8.9	9.9	10.3	8.3	8.4	8.9	9.2	9.0	9.3	11.2	12.4	12.3
5	9.3	10.5	9.6	9.2	9.8	9.8	8.6	9.5	9.3	9.3	9.2	9.2	12.6	12.5	12.5
6	8.2	9.8	10.0	8.3	9.1	9.4	8.0	8.0	8.3	9.0	8.8	8.9	12.2	12.3	12.1
7	9.8	10.7	10.2	9.3	10.0	10.0	8.2	8.4	8.4	9.0	9.0	8.9	12.2	12.2	12.2
8	8.3	10.3	10.5	9.0	9.7	9.9	8.3	8.3	8.7	9.0	8.9	9.0	12.2	12.2	12.2
9	9.8	11.0	11.0	9.4	10.1	10.3	8.5	8.6	9.0	9.2	9.1	9.3	12.3	12.3	12.3
10	10.0	11.5	11.3	9.6	10.4	10.7	8.6	8.9	9.3	9.3	9.3	9.5	12.4	12.4	12.4
11	10.2	11.8	11.8	9.8	10.7	11.1	9.0	9.1	9.6	9.5	9.5	9.8	12.6	12.6	12.5
12	10.9	12.3	12.4	10.3	11.2	11.6	9.4	9.5	9.9	9.8	9.8	10.1	12.8	12.8	12.8
13	11.0	13.0	13.1	11.6	11.7	12.2	9.7	9.9	10.5	10.0	10.1	10.5	13.0	13.1	13.1
14	12.8	14.4	14.4	11.9	12.9	13.4	10.5	10.8	11.4	10.7	10.9	11.3	13.4	13.5	13.6
15	13.3	14.6	14.2	12.7	13.4	13.3	11.3	11.4	11.7	11.5	11.5	11.7	14.0	14.0	14.1
16	12.1	12.8	12.0	12.0	12.2	12.0	11.2	11.0	11.0	11.5	11.2	11.3	14.2	14.1	14.2
17	12.2	14.5	14.8	11.8	13.0	13.7	10.6	11.0	11.7	11.0	11.2	11.6	14.0	14.0	14.1
18	14.9	16.0	16.1	13.9	14.5	14.9	12.2	12.1	12.8	12.2	12.1	13.6	14.4	14.6	14.8
19	15.4	16.2	15.9	14.4	14.9	15.0	12.8	12.9	13.2	12.8	12.9	13.0	15.1	15.2	15.2
20	13.9	14.5	14.0	13.6	13.8	13.5	12.5	12.2	12.4	12.8	12.6	12.7	15.3	15.3	14.3
21	13.8	14.3	14.3	13.1	13.5	13.7	12.0	12.0	12.2	12.4	12.4	12.4	15.1	15.1	15.1
22	13.5	14.1	13.5	13.0	13.4	13.2	11.9	11.9	12.0	12.3	12.3	12.4	15.1	15.1	15.0
23	11.5	12.5	12.6	11.6	11.6	12.1	11.1	10.9	11.1	12.0	11.6	11.6	15.0	14.8	14.6
24	12.5	14.6	14.2	12.0	13.1	14.0	11.0	11.2	12.0	11.6	11.6	12.0	14.6	14.6	14.6
25	14.8	16.6	16.6	13.9	14.9	15.4	12.3	12.6	13.3	12.6	12.6	13.1	15.0	15.2	15.3
26	15.6	17.0	16.5	14.8	15.5	15.7	13.2	13.4	13.4	13.3	13.4	13.4	15.7	15.5	15.8
27	13.0	16.8	16.6	14.5	15.4	15.7	13.4	13.4	13.9	13.6	13.6	13.8	16.0	16.1	16.1
28	15.6	16.1	17.0	14.9	15.7	15.9	13.6	13.6	13.6	13.8	13.7	13.7	16.2	16.2	16.1
29	15.6	16.5	15.8	15.0	15.5	15.4	13.6	13.7	13.6	14.0	13.9	13.9	16.4	16.4	16.4
30	14.7	14.2	14.0	14.3	14.1	14.0	13.3	13.0	13.0	13.8	13.4	13.8	16.4	16.0	16.0
31	10.6	13.8	13.8	12.0	12.9	13.2	11.7	11.6	12.0	12.6	12.4	12.5	15.6	15.6	15.4
Prom.	11.9	13.2	13.1	11.6	12.3	12.5	10.6	10.7	11.0	11.1	11.0	11.3	13.9	14.0	13.9

LLUVIA, ESTADO DEL SUELO, ETC...

DÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en %						Freatímetro
	50 cm.	1.50 m.	7 m.	18 m.		8^h	14^h	20^h	Total	Punto	7 cm.	15 cm.	30 cm.	60 cm.	1 m.	
1					0	0.2	0.4	0.6	1.1	0. 10	21.1	19.8	23.6			10819
2					0	0.1	0.6	0.6	1.5							10823
3					0	0.3	0.9	0.8	1.8							10826
4					0	0.1	1.5	1.2	3.3							10832
5					0	0.6	0.8	0.5	1.4							10836
6					0	0.1	0.4	0.3	1.1	0. 11	17.9	18.0	21.9			10842
7					0	0.4	0.3	0.4	0.8							10845
8					0	0.1	0.3	0.3	1.1							10853
9					0	0.5	1.3	1.2	3.0							10857
10					0	0.5	0.7	0.6	1.5							10862
11					0	0.2	1.3	1.4	4.0	0. 12	19.7	18.8	22.0	23.1		10867
12					0	1.3	1.5	1.0	2.8							10872
13					0	0.3	1.3	0.8	2.9							10878
14					0	0.8	1.5	1.6	3.7							10882
15					0	0.6	0.5	1.0	2.6							10886
16					0	1.1	1.0	1.5	3.5	0. 13	16.4	17.6	22.8			10891
17					0	1.0	2.2	2.9	9.2							10899
18					0	4.1	3.1	1.6	7.5							10901
19					0	2.8	1.8	0.9	3.5							10906
20					0	0.8	0.8	0.8	2.5							10912
21					0	0.9	0.2	0.2	0.8	0. 14	14.2	14.3	20.8			10924
22					0	0.4	0.5	0.4	1.0							10928
23					0	0.1	1.7	1.6	5.0							10932
24					0	1.7	1.7	1.9	4.5							10938
25					0	0.9	2.7	2.5	6.6							10940
26					0	1.4	1.9	1.5	3.9	0. 15	12.1	14.6	19.9			10947
27					0	0.5	1.2	1.0	2.6							10955
28					0	0.4	1.4	1.4	4.6							10962
29	0.8	1.2	0.5	0.8	1	1.8	1.4	1.1	3.0							10966
30					0	0.5	0.4	0.7	1.2							10971
31					0	0.1	0.9	0.8	3.4	0. 16	12.8	16.0	19.1	21.6	16.8	10970
Prom.	0.8	1.2	0.5	0.8	-	0.8	1.2	1.1	3.1	-	-	-	-	-	-	10894

0.50 m.			1 m.			2 m.	3 m.	Temper. Mínima de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos
8^h	14^h	20^h	8^h	14^h	20^h	8^h	8^h		
11.9	11.8	11.7	14.1	14.3	14.1	17.5	18.0	- 1.6	Cn. m., Ca. t. y n., r. m.
11.6	11.6	11.4	13.9	14.0	13.8	17.4	18.0	- 5.3	Cn. m. t. y n., h. m.
11.4	11.5	11.3	13.8	13.7	13.9	17.3	18.0	- 0.4	Cn. m., Ca. t. y n.
11.5	11.6	11.5	13.7	13.8	13.6	17.3	18.0	- 2.0	Ca. m. t. y n., r. h. m.
11.6	11.2	11.2	13.4	13.4	13.4	17.2	-	- 3.2	Ca. m. t. y n., h. m., r. n.
11.6	11.4	11.3	13.3	13.5	13.3	17.0	-	- 3.5	Cn. m. t. y n., r. h. N. m.
11.2	11.3	11.4	13.2	13.5	13.3	17.0	18.2	4.1	Cn. m. y t., Ca. n., Ne. m., r. m. y n.
11.5	11.3	11.2	-	13.5	13.5	-	-	- 1.9	Cn. m., Ca. t. y n., dv. N. m., r. n.
11.3	11.4	11.4	13.1	13.1	13.1	16.9	18.0	- 0.4	Cn. m. y t., Ca. n., r. m. y n.
11.4	11.5	11.4	13.3	13.2	13.1	16.8	18.0	0.0	Cn. m., Ca. t. y n., r. m. y n.
11.6	11.6	11.6	13.1	13.1	13.1	16.8	18.1	0.6	Cn. m., Ca. t. y n., r. m.
11.7	11.8	11.7	13.0	13.1	13.1	16.6	18.0	3.0	Cn. m. t. y n., r. m. y n., Dl. Jl. n.
12.0	12.0	11.9	12.9	13.1	13.1	16.5	18.0	1.0	Ca. m. y t., Cn. n., N. dv. m.
12.2	12.3	12.3	13.1	13.1	13.2	16.4	18.1	8.4	Cn. m. y t., Ca. n., Ne. r. m.
12.6	12.7	12.8	13.3	13.3	13.3	16.4	18.0	6.0	Cn. m, t. y n., Ne. r. m.
12.9	12.9	12.9	13.3	13.3	13.3	16.4	18.0	- 1.4	Cn. m. y t., Ca. n., r. m. y n., B. t.
13.0	12.8	12.9	13.4	13.6	13.6	16.3	18.0	9.5	Cn. m. t. y n., r. m.
13.2	13.1	13.1	13.6	13.7	13.7	16.3	17.9	15.0	Cn. m. t. y n.
13.7	13.8	13.8	13.7	13.7	13.8	16.2	17.9	13.7	Cn. m. t. y n.
14.0	13.9	13.9	13.8	13.9	13.9	16.1	17.8	6.9	Cn. m. t. y n., B. t.
14.0	14.0	13.9	13.8	13.8	13.8	16.0	18.0	8.0	Cn. m. t. y n., N. dv. m., Ne. t.
14.0	13.9	13.9	14.1	14.1	14.0	16.0	17.8	7.6	Cn. m. y t., Ca. n., Ne. m., B. t., r. n.
13.9	13.8	13.7	14.1	14.2	14.2	16.1	17.7	- 2.2	Cn. m., Ca. t. y n., h. r. m.
13.6	13.6	13.5	14.1	14.2	14.2	16.1	17.7	7.5	Ca. m. t. y n.
13.7	13.9	14.0	14.2	14.2	14.2	-	-	12.0	Ca. m. t. y n., dv. m.
14.3	14.5	14.4	14.2	14.2	14.3	16.1	17.7	11.8	Ca. m. t. y.n., Ne. m., B. t., r. n.
14.5	14.8	14.7	14.3	14.4	14.4	16.0	17.7	6.5	Ca. m. y t., Cn. n., r. m., B. t., Ne. r. n.
14.8	14.8	14.8	14.4	14.4	14.4	16.0	17.5	10.0	Cn. m. y t., Ca. n., r. m., Js. B. t, B. r. n.
15.2	15.2	15.2	14.6	14.7	14.6	16.0	17.5	9.5	Cn. m. t. y n., r. m., B. t., Tv. n.
15.2	15.0	15.0	14.6	14.8	14.8	16.1	17.6	6.3	Cn. m. y t., Ca. n., Z. m., r. n.
14.7	14.6	14.4	14.7	14.7	14.8	16.0	17.5	-	Ca. m., Cn. t. y n., Ne. h. m., r. n.
12.9	12.9	12.8	13.7	13.8	13.8	16.5	17.9	4.2	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESIÓN ATMOSFÉRICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									PELIOFANÍA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mm. mb.	mm. mb.			mm. mb.			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	62.9	67.9	8	23	57.8	4	15	7.7	13.8	2.8	17.3	4	15	-1.1	6	5	6.0	9.8	60
2ª	57.6	66.2	11	10,11	48.1	18	16-17	14.8	20.7	9.9	24.5	14	15	5.3	16	7-8	4.9	9.9	50
3ª	60.2	70.7	22, 23	24; 0	52.8	29	15-16	14.5	20.2	9.3	27.0	25	14	-0.5	31	7	6.0	10.2	65
MES	60.2	70.7	22, 23	24; 0	48.1	18	16-17	12.4	18.3	7.4	27.0	25	14	-1.1	6	5	5.6	10.0	57

DÉCADA	HUMEDAD DEL AIRE								VIENTO									LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas			Instantáneas				Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Velocidad Máxima	Dirección	Día	Hora				
	%	%		%		mm. mb.	mm. mb.	mm. mb.		Km/h.	Km/h.		Km/h.			Km/h.				mm.	mm.		mm.		
1ª	82	98	2	48	4	6.3	8.5	3.8	NE	8	18	4,9	22	9	11-12	31	W	4	13.36	-	-	-	-	-	-
2ª	74	98	15	34	16	9.0	14.5	4.0	NE	12	36	18	44	18	10-11	50	NW	18	10.24	-	-	-	-	-	-
3ª	79	99	21	42	25	9.5	14.0	4.0	NE	15	36	25	36	25	13-14	44	NW	25	13.10	1.2	1.2	29	1.0	29	17-18
MES	78	99	21	34	16	8.3	14.5	3.8	NE	12	36	18, 25	44	18	10-11	50	NW	18	10.24	1.2	1.2	29	1.0	29	17-18

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE VISIBILIDAD							PRECIPITACIÓN							VIENTO - TORM. ELÉCT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
	○	∞	=	=	=	S	ξ	●	,	✳	▽	▽	△	▲	⚐	⚑	⚑
1ª	-	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
2ª	-	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
3ª	1	5	9	1	-	-	-	1	-	-	-	-	-	-	-	-	-
MES	1	12	15	4	-	-	-	1	-	-	-	-	-	-	-	-	-

DÉCADA	FENÓMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Congelada blanda	Congelada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
	⌒	⌐	V	▼	⊠	⊕	⊖	◐	∪	⌒	⋈	◔	◕	V	Λ	Λ
1ª	8	3	-	-	-	-	-	-	-	-	-	9	1	2	-	-
2ª	6	-	-	-	-	1	2	1	1	-	-	4	6	-	-	-
3ª	8	2	-	-	-	-	-	1	-	-	-	9	2	1	3	-
MES	22	5	-	-	-	1	2	2	1	-	-	22	9	3	3	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VI AGOSTO 1951 Nº 8

RESUMEN MENSUAL

Aire de origen polar llega el día 1° a la estación, la presión desciende hasta 743.5 mm. y no alcanza en el resto del mes, un valor tan bajo. Esta aeromasa trata de ser desplazada hacia el norte por otra de origen polar, lo que provoca inestabilidad, que se traduce en lluvias de marcada intensidad en el mismo día 1°. Al día siguiente, ya la masa de aire polar invade totalmente la zona del Río de la Plata, y se producen algunas lluvias ligeras. Durante estos primeros días soplan predominantemente vientos del sector Sud pero cuando el aire frío comienza a retroceder invierte la dirección del viento. Aire caliente del noreste reemplaza al de origen polar recién el día 7. La temperatura y tensión del vapor ascienden rápidamente.

Con ese ascenso sostenido comienza la segunda década. El día 12 alcanzan su máximo valor mensual la temperatura y la tensión del vapor con 26.3°C y 15.5 mm. respectivamente; el pasaje de un frente frío en el mismo día 12, provoca precipitaciones y hace descender bruscamente ambos elementos siendo la temperatura máxima del día siguiente sólo de 12.3°C; la tensión del vapor disminuye 5 mm. en dos horas. Con este frente se aproxima a la estación, un centro de alta presión y el barómetro alcanza el valor más alto del mes con 770.0 mm. Al promediar esta década la temperatura del aire sigue descendiendo, alcanzando temperaturas bajo cero. A partir del día 16, la temperatura marca un débil y paulatino ascenso que se acentúa el día 20, obteniéndose temperaturas varios grados superior al valor normal del mes, y una tensión del vapor que alcanza nuevamente su valor máximo del día 12.

La tercera década se inicia dentro del mismo ambiente cálido del final de la anterior, hasta que el día 25 una incursión de aire polar cubre el cielo totalmente y se producen precipitaciones, hasta el día 26. La pérdida de temperatura por radiación, se ve favorecida el día 28 por un cielo claro y así logra la temperatura su valor mínimo de -2.8°C, juntamente con la tensión vapor: 3.6 mm. Reina buen tiempo en los últimos días del mes, con cielo totalmente despejado y temperatura en paulatino ascenso.

Haciendo el estudio comparativo de los valores del mes con los valores medios, se puede distinguir una desviación positiva para la temperatura y tensión del vapor, y poca desviación para la presión atmosférica y humedad relativa. En cuanto a la precipitación, resulta ser de 86.2 mm, con una frecuencia de 9 días, con lo que se puede considerar un mes muy lluvioso.

POTENCIAL ATMOSFÉRICO en V/M.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	69	- 55	333	207	110	90	391	-	-	-	-	-	-	-	-
2	87	69	39	24	58	60	53	41	83	97	83	69	76	- 28	- 41
3	48	55	69	83	83	97	104	76	104	179	193	186	124	104	104
4	207	166	131	117	110	138	138	186	207	172	145	152	145	131	110
5	41	39	39	39	44	41	41	41	53	48	56	53	48	39	48
6	74	58	70	64	74	83	97	113	135	120	118	135	125	125	125
7	66	93	101	105	103	99	103	113	115	115	111	103	95	107	178
8	62	48	58	66	78	93	95	107	85	99	99	74	62	78	125
9	69	104	- 69	104	- 14	131	138	138	186	246	284	284	220	152	345
10	104	97	62	76	55	-	-	380	316	60	55	55	95	125	130
11	72	58	74	78	83	99	76	125	159	132	107	95	87	95	91
12	85	83	91	109	115	115	125	144	149	130	120	103	91	89	95
13	-	-	-	-	-	-	-	-114	22	74	$\pm\infty$	$\pm\infty$	27	85	139
14	10	-122	- 66	- 40	- 59	- 36	- 56	78	91	144	-173	-275	193	176	159
15	144	149	139	125	118	113	125	48	70	115	159	176	139	132	135
16	145	76	83	76	76	62	124	193	159	159	166	138	124	117	124
17	179	127	130	122	105	99	99	120	173	152	154	168	178	163	139
18	83	110	117	83	62	55	83	110	97	104	97	90	97	104	110
19	39	29	70	99	70	118	144	144	214	183	137	125	113	113	120
20	28	28	34	28	28	28	21	41	166	207	179	166	124	117	117
21	- 40	10	- 23	34	-104	-116	-120	- 83	118	149	113	107	105	111	120
22	83	89	99	99	89	89	95	99	159	142	135	113	101	103	70
23	83	76	83	78	74	74	76	85	89	81	89	91	93	48	109
24	58	81	83	78	87	95	118	163	154	142	115	74	53	99	99
25	41	48	55	69	83	83	83	69	69	69	76	90	83	110	48
26	83	-	70	87	∞	$-\infty$	48	- 66	78	149	139	103	85	48	83
27	00	- 17	44	19	56	51	48	139	122	64	81	78	81	111	115
28	81	105	100	115	113	99	188	251	190	154	115	111	95	89	89
29	69	76	76	69	83	110	110	97	104	104	110	124	117	104	83
30	76	72	56	72	68	64	95	120	144	168	156	135	120	118	99
31	110	117	117	124	117	117	124	138	110	83	97	131	159	186	193
Prom.	90.6	84.1	88.2	89.4	87.5	93.9	107.9	123.3	134.7	130.4	125.7	121.3	109.9	108.8	113.4

RESUMEN DEL ESTADO ELÉCTRICO DEL AIRE

DÍAS	CONDUCTIBILIDAD "λ" . 10^{-4}				IONES LIVIANOS					
					número "n" por cm^3				velocidad	
	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-	n^+	n^-	$n^+ + n^-$	n^+ / n^-	K^+	K^-
1	0.82	0.92	1.74	0.89	448	1173	1621	0.38	1.28	-
2	1.48	1.39	2.87	1.06	777	898	1675	0.87	1.33	1.08
3	1.07	0.95	2.02	1.12	-	569	-	-	-	1.17
4	0.80	0.56	1.36	1.43	-	383	-	-	-	1.02
5	1.01	0.81	1.82	1.25	738	455	1393	1.62	0.96	1.25
6	1.17	1.07	2.24	1.09	712	473	1185	1.50	1.15	1.71
7	0.78	0.68	1.46	1.14	547	286	833	1.91	1.01	1.65
8	0.71	0.59	1.30	1.20	539	224	763	2.40	0.92	1.84
9	0.57	0.50	1.07	1.14	403	202	605	2.00	0.99	1.73
10	0.60	0.52	1.12	1.15	464	204	664	2.27	0.91	1.78
11	0.89	0.74	1.63	1.20	561	274	835	2.05	1.10	1.89
12	0.80	0.72	1.52	1.11	472	314	786	1.50	1.18	1.60
13	1.21	1.26	2.47	0.96	847	818	1665	1.03	1.00	1.08
14	0.92	0.85	1.77	1.08	792	670	1462	1.18	0.81	0.89
15	1.09	0.79	1.88	1.38	642	402	1044	1.59	1.19	1.37
16	0.91	0.78	1.69	1.17	804	413	1217	1.94	0.79	1.32
17	0.69	0.52	1.21	1.32	484	187	671	2.58	1.42	1.94
18	0.69	0.55	1.24	1.25	504	224	728	2.25	0.96	1.71
19	0.65	0.52	1.17	1.25	451	136	587	3.31	1.00	2.67
20	0.78	0.60	1.38	1.30	578	289	867	1.93	0.95	1.44
21	0.65	0.54	1.19	1.20	475	223	698	2.12	0.96	1.69
22	0.85	0.68	1.53	1.25	359	238	597	1.51	1.65	2.00
23	0.81	0.71	1.52	1.14	417	256	673	1.63	1.35	1.94
24	0.88	0.74	1.62	1.19	551	265	816	2.08	1.11	1.95
25	0.94	0.88	1.82	1.06	564	390	954	1.44	1.17	1.58
26	1.35	1.28	2.63	1.05	983	783	1766	1.25	0.96	1.14
27	1.28	1.07	2.35	1.20	902	631	1533	1.43	0.99	1.19
28	0.97	0.98	1.95	0.99	737	618	1355	1.19	0.92	1.10
29	0.82	0.76	1.58	1.08	784	487	1271	1.61	0.73	1.09
30	0.70	0.61	1.31	1.14	591	337	928	1.75	0.83	1.27
31	0.85	0.72	1.57	1.18	511	242	753	2.11	1.16	2.08
Prom.	0.87	0.76	1.63	1.14	610	412	1022	1.48	1.00	1.29

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplit.	Tipo de Curva
-	-	-	-	-	-	-	-	-		∞	∞	-	3*
-390	69	104	104	110	110	90	83	69		810	-946	1756	2
138	152	200	138	97	76	124	207	297	126.6	362	- 28	390	1
193	166	166	207	124	226	207	186	152	161.8	345	- 41	386	1
62	66	95	137	130	97	39	64	83	60.1	173	00	173	0
161	152	149	161	178	161	135	107	70	116.2	239	53	186	0
130	120	120	125	120	107	89	87	83	107.8	265	34	231	0
125	144	154	132	118	125	109	115	132	99.3	231	00	231	0
69	464	611	83	259	226	131	76	117		878	-406	1384	2
132	107	111	166	156	120	93	78	89		437	00	437	0*
115	122	120	159	142	103	99	105	99	104.0	263	14	249	0
99	101	-	-	-	-	-	-	-		168	34	134	0*
115	+ ∞	- 81	+ ∞	+ ∞	+ ∞	+ ∞	74	+ ∞		+ ∞	- ∞	-	3*
135	-130	159	-166	-202	-193	-227	193	-178		280	-332	612	2
125	120	125	260	168	125	103	74	95	128.4	300	24	276	0
138	166	213	193	159	152	207	138	138	138.6	322	28	294	0
128	246	220	304	333	233	246	200	152	172.8	477	7	470	0
117	124	131	90	- 34	110	- 76	-159	-138		764	-840	1604	2
122	125	130	159	137	110	110	83	34	113.7	740	-901	1641	1
97	110	166	193	207	193	7	34	21		333	-167	500	2
122	139	197	130	125	144	130	99	101		268	-190	458	2
99	107	125	159	173	139	107	91	81	110.2	280	10	270	0
115	115	125	197	163	166	132	115	103	102.1	272	-171	443	1
78	83	99	120	118	85	70	48	48	93.7	224	- 82	306	2
28	48	76	69	62	55	76	41	7		193	- 7	200	1
69	55	41	34	41	62	5	5	5		∞	- ∞	-	3*
120	120	125	125	122	101	89	101	95		178	- 63	241	1
85	93	101	101	66	62	66	41	44	106.8	272	24	248	0
76	83	76	83	200	152	138	76	62	99.2	272	- 7	179	1
101	115	130	135	154	135	118	103	103	110.7	231	00	231	0
213	159	179	166	159	138	131	110	110	137.0	284	28	256	0
122.4	129.7	140.4	163.1	152.2	132.9	123.9	108.3	104.8	116.1				

IONES PESADOS número "N" por cm^3				CORRIENTE VERTICAL "i" . 10^{-7} U.E.S.	NÚCLEOS AITKEN
N^+	N^-	$N^+ + N^-$	N^+ / N^-	por cm^2	por cm^3
31363	26362	57725	1.19	-	14,250
9568	15812	25380	0.60	-	7,250
13448	19967	33415	0.68	8.52	19,500
9414	11680	21094	0.81	7.33	10,000
6562	4060	10622	1.61	3.64	7,750
4135	4689	8824	0.88	9.37	9,000
4222	5754	9976	0.73	5.24	20,000
7587	11330	18917	0.67	4.30	39,750
10883	13964	24847	0.78	-	19,000
10093	19641	29734	0.52	-	26,000
5992	15873	21865	0.38	5.65	43,250
5790	15033	20823	0.39	-	-
4359	11217	15576	0.39	-	6,250
6449	16769	23218	0.39	-	16,000
10722	20733	31455	0.52	8.05	16,500
11275	19478	30753	0.58	7.81	13,500
12316	14234	26550	0.87	6.97	-
9267	17650	26917	0.53	-	21,000
-	-	-	-	4.43	43,750
11071	13800	24871	0.80	-	20,500
7475	10508	17983	0.71	-	20,000
4187	7099	11286	0.59	5.62	22,750
4412	7516	11928	0.59	5.17	25,500
3398	6887	10285	0.49	5.06	64,000
4372	8798	13170	0.50	-	24,750
9986	28822	38808	0.35	-	12,500
3138	2803	5941	1.12	-	8,500
3699	3354	7053	1.10	6.94	4,500
3395	3138	6533	1.07	5.22	-
5117	5215	10332	0.98	4.83	18,250
3751	3914	7665	0.96	7.17	28,250
8222	12169	20391	0.68	6.19	20,800

CONDUCTIBILIDAD POSITIVA $\lambda^+ . 10^{-4}$

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	1.40	0.78	1.39	1.37	1.12	0.92	0.57	0.90	0.80	0.55	0.63	0.39
2	1.49	1.91	1.91	1.76	1.92	1.67	1.64	1.60	1.53	1.53	1.47	1.33
3	1.65	1.75	1.78	1.93	2.02	1.96	1.79	1.56	1.45	1.22	0.71	0.86
4	0.48	0.66	0.82	1.12	1.37	1.13	1.23	0.85	1.03	1.27	1.11	0.98
5	0.84	1.13	1.18	0.99	1.13	0.74	0.68	0.71	0.92	1.03	1.14	1.12
6	1.24	1.18	1.17	1.34	1.20	0.98	1.05	1.47	1.66	1.18	1.24	1.14
7	-	-	-	-	-	-	-	0.80	0.78	0.93	0.84	0.75
8	0.78	0.91	0.87	0.75	0.82	0.69	0.72	0.76	0.72	0.63	0.72	0.74
9	0.59	0.62	0.67	1.03	0.87	0.96	0.85	0.59	0.46	0.37	0.39	0.37
10	0.49	0.41	0.41	-	-	-	-	0.78	0.68	0.60	0.76	0.77
11	0.96	1.01	1.01	0.93	0.85	0.92	0.87	0.83	0.81	0.87	0.87	0.94
12	0.83	0.74	0.70	0.66	0.66	0.66	0.70	0.66	0.66	0.69	0.81	0.90
13	1.37	1.42	1.40	1.36	1.43	1.40	0.95	1.40	1.12	1.35	1.30	1.22
14	1.01	0.68	0.95	1.07	0.63	0.69	1.02	0.96	1.00	1.26	1.21	1.22
15	1.13	0.94	1.15	1.39	1.33	1.65	1.09	1.00	1.15	1.22	1.19	1.00
16	0.66	0.82	0.87	0.90	1.12	0.74	1.22	0.87	1.04	1.11	1.10	0.83
17	0.69	0.80	0.77	0.84	0.66	0.80	0.77	0.47	0.81	1.12	0.95	0.95
18	0.76	0.65	1.08	0.89	0.91	0.85	0.73	0.54	0.49	0.76	0.69	0.77
19	0.83	0.74	0.90	0.70	0.54	0.45	0.29	0.53	0.55	0.61	0.75	0.77
20	0.52	0.68	0.87	0.88	0.76	0.77	0.77	0.82	0.90	0.62	0.68	0.92
21	0.26	0.30	0.42	0.41	0.34	0.38	0.43	0.46	0.51	0.45	0.80	0.96
22	0.46	0.68	0.69	0.84	0.88	0.76	0.85	0.75	0.67	0.83	0.90	0.88
23	1.49	1.25	1.05	1.10	1.19	1.02	0.93	0.85	0.94	0.77	0.64	0.59
24	1.08	0.94	0.89	0.80	0.74	0.77	0.69	0.63	0.76	0.84	1.02	1.02
25	1.17	1.12	1.07	0.97	0.92	0.86	0.84	0.81	0.80	0.71	0.87	0.88
26	1.36	1.28	1.52	1.40	1.40	0.91	1.50	1.49	1.41	1.51	1.22	1.19
27	-	-	-	-	-	-	-	1.34	1.27	1.22	-	-
28	-	-	-	-	-	-	-	0.96	0.92	0.83	1.01	1.08
29	1.07	1.00	0.92	1.08	1.03	1.07	1.00	0.93	1.18	0.99	1.00	0.74
30	0.53	0.48	0.50	0.52	0.53	0.57	0.55	0.57	0.74	0.70	0.68	0.81
31	0.99	0.95	1.10	0.97	1.01	0.98	0.89	0.84	0.87	0.76	0.84	0.69
Promedio	0.93	0.92	1.00	1.04	1.01	0.86	0.91	0.89	0.92	0.92	0.92	0.89

CONDUCTIBILIDAD NEGATIVA $\lambda^- . 10^{-4}$

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	1.25	1.33	0.93	1.15	0.96	0.80	0.60	0.94	1.30	1.73	0.61	0.85
2	0.68	2.11	1.87	1.83	1.81	1.61	1.56	1.49	1.52	1.48	1.53	1.18
3	1.42	1.64	1.78	1.62	1.80	1.79	1.48	1.37	1.12	1.09	0.88	0.84
4	0.34	0.42	0.40	0.48	0.85	0.83	0.87	0.60	0.93	0.95	0.91	0.88
5	0.61	0.88	0.84	0.81	0.78	0.56	0.44	0.42	0.71	0.94	0.95	0.87
6	1.15	1.09	1.16	1.14	1.07	0.66	1.03	1.28	1.47	1.38	1.19	1.22
7	-	-	-	-	-	-	-	0.74	0.71	0.82	0.71	0.69
8	0.64	0.82	0.66	0.64	0.61	0.61	0.59	0.66	0.66	0.55	0.61	0.70
9	0.30	0.48	0.74	0.96	0.62	0.75	0.69	0.62	0.42	0.34	0.37	0.37
10	0.43	0.39	-	-	-	-	-	0.55	0.57	0.60	0.57	0.59
11	0.82	0.86	0.89	0.74	0.76	0.85	0.69	0.64	0.66	0.77	0.79	0.93
12	0.69	0.69	0.60	0.60	0.59	0.55	0.59	0.55	0.55	0.62	0.86	0.85
13	1.23	1.36	1.38	1.31	1.43	1.53	1.00	1.53	1.31	1.26	1.05	1.25
14	1.18	1.23	1.80	1.31	1.25	1.19	1.02	0.87	0.75	0.94	0.93	0.84
15	0.58	0.56	0.63	0.68	0.78	0.60	0.57	0.66	0.86	1.14	1.00	0.86
16	0.61	0.78	0.99	0.79	1.07	0.86	1.07	0.78	0.85	1.00	0.81	0.82
17	0.53	0.71	0.56	0.58	0.60	0.42	0.41	0.48	0.69	0.80	0.72	0.62
18	0.49	0.55	0.82	0.64	0.51	0.50	0.49	0.42	0.55	0.60	0.55	0.69
19	0.56	0.76	0.85	0.40	0.44	0.77	0.31	0.34	0.36	0.44	0.55	0.57
20	0.37	0.57	0.66	0.57	0.62	0.56	0.53	0.67	0.65	0.42	0.60	0.81
21	0.21	0.30	0.53	0.41	0.34	0.40	0.39	0.39	0.42	0.51	0.70	0.97
22	0.44	0.40	0.42	0.46	0.53	0.48	0.56	0.49	0.65	0.79	0.80	0.77
23	1.10	1.03	0.98	0.96	0.94	0.85	0.76	0.82	0.92	0.72	0.62	0.53
24	0.88	0.79	0.72	0.72	0.60	0.64	0.53	0.50	0.57	0.74	0.75	0.82
25	1.03	1.04	0.98	0.93	0.87	0.80	0.71	0.72	0.69	0.71	0.73	0.73
26	1.03	1.10	1.43	1.40	1.41	1.50	1.43	1.41	1.41	1.25	1.26	1.03
27	-	-	-	-	-	-	-	1.07	1.05	1.09	-	-
28	-	-	-	-	-	-	-	-	-	1.89	0.86	0.90
29	1.14	1.00	1.07	1.20	1.17	1.10	0.90	0.85	0.99	0.99	0.96	0.69
30	0.40	0.42	0.42	0.49	0.35	0.44	0.44	0.60	0.69	0.69	0.60	0.60
31	0.99	0.93	0.82	0.95	0.85	0.84	0.45	0.61	0.88	0.86	0.73	0.69
Promedio	0.75	0.87	0.92	0.88	0.87	0.83	0.74	0.77	0.83	0.87	0.81	0.80

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
0.65	0.80	0.51	0.50	0.49	0.43	-	-	-	0.69	1.25	1.91	0.82
1.16	0.94	1.16	0.83	1.16	1.25	1.27	1.44	1.52	1.65	1.60	1.83	1.48
0.84	0.86	0.75	0.82	0.52	0.75	0.61	0.42	0.46	0.31	0.31	0.40	1.07
0.90	0.94	0.60	0.53	0.68	0.63	0.83	0.35	0.22	0.27	0.50	0.66	0.80
0.96	1.01	0.85	0.79	0.76	0.88	0.98	1.05	1.19	1.53	1.32	1.23	1.01
1.26	1.00	0.77	1.00	0.96	-	-	-	-	-	-	-	1.17
0.87	0.82	0.80	0.80	0.82	0.78	0.78	0.77	0.67	0.66	0.71	0.73	0.78
0.79	0.79	0.73	0.80	0.64	0.52	0.50	0.26	0.59	0.92	0.96	0.37	0.71
0.37	0.43	0.43	0.59	0.53	0.51	0.70	0.53	0.44	0.45	0.47	0.46	0.57
0.63	0.64	0.60	0.53	0.33	0.43	0.45	0.56	0.66	0.73	0.73	0.89	0.60
1.01	0.85	0.66	0.79	0.78	0.96	0.83	0.85	0.92	1.00	0.96	0.90	0.89
0.84	0.83	1.03	0.90	0.88	0.51	0.41	0.58	0.92	1.11	1.26	1.35	0.80
0.72	1.35	1.37	1.28	1.30	0.94	1.55	0.83	1.12	0.89	0.93	1.13	1.21
0.91	0.99	1.03	0.76	0.94	0.89	0.92	0.74	0.73	0.79	0.72	0.89	0.92
1.04	1.33	1.29	1.30	1.37	1.35	0.51	0.62	0.77	0.89	0.77	0.72	1.09
0.93	1.13	1.11	0.95	1.06	0.77	0.88	0.66	0.58	0.93	0.85	0.71	0.91
0.70	0.68	0.75	0.72	0.70	0.53	0.46	0.39	0.39	0.37	0.56	0.76	0.69
0.72	0.77	0.63	0.78	0.71	0.49	0.56	0.43	0.60	0.43	0.52	0.76	0.69
0.69	0.70	0.74	0.74	0.75	0.78	0.82	0.50	0.55	0.55	0.50	0.57	0.65
0.87	0.91	0.91	1.05	1.44	1.06	0.70	0.71	0.52	0.58	0.45	0.28	0.78
1.08	1.09	1.06	1.01	0.94	0.99	0.88	0.55	0.57	0.63	0.52	0.58	0.65
0.89	0.72	0.64	0.80	0.95	0.89	0.81	0.79	1.14	1.16	1.15	1.37	0.85
0.49	0.49	0.40	0.50	0.59	0.46	0.63	0.61	0.72	1.00	0.82	0.88	0.81
0.84	0.74	0.79	0.79	0.94	0.92	1.00	0.70	0.88	1.08	1.04	1.17	0.88
0.76	0.72	0.77	0.74	0.84	0.88	0.80	0.87	0.95	1.17	1.38	1.56	0.94
1.12	1.24	1.40	1.45	1.58	-	-	-	-	-	-	-	1.35
-	-	-	-	-	-	-	-	-	-	-	-	1.28
1.13	1.06	1.08	0.94	1.03	1.04	0.91	0.84	0.80	0.84	1.07	1.00	0.97
0.77	0.78	0.63	0.57	0.80	0.85	0.84	0.52	0.46	0.57	0.50	0.47	0.82
0.79	0.88	0.97	0.92	0.90	0.73	0.66	0.70	0.65	0.87	0.86	0.80	0.70
0.66	0.50	0.65	0.57	0.60	0.78	0.76	0.94	0.99	1.00	0.94	1.12	0.85
0.85	0.87	0.84	0.81	0.87	0.78	0.78	0.67	0.74	0.82	0.83	0.91	0.87

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
0.77	0.85	0.44	0.48	0.39	0.57	-	-	-	1.07	1.56	1.82	0.92
1.11	1.25	1.15	1.25	1.05	1.00	1.01	1.23	1.20	1.48	1.38	1.53	1.39
0.71	0.75	0.71	0.67	0.42	0.67	0.39	0.35	0.37	0.34	0.29	0.29	0.95
0.70	0.72	0.43	0.46	0.48	0.42	0.55	0.21	0.14	0.16	0.34	0.44	0.56
0.79	0.96	0.75	0.69	0.61	0.69	0.86	0.89	1.00	1.17	1.13	1.05	0.81
1.53	0.76	0.58	0.82	0.72	-	-	-	-	-	-	-	1.07
0.79	0.71	0.83	0.70	0.66	0.59	0.64	0.57	0.50	0.55	0.64	0.68	0.68
0.69	0.70	0.59	0.64	0.53	0.42	0.45	0.16	0.52	0.90	0.63	0.14	0.59
0.32	0.34	0.43	0.57	0.52	0.41	0.69	0.44	0.39	0.41	0.41	0.41	0.50
0.55	0.53	0.55	0.41	0.32	0.37	0.41	0.50	0.57	0.66	0.66	0.74	0.52
0.77	0.69	0.60	0.69	0.66	0.60	0.66	0.70	0.75	0.77	0.74	0.72	0.74
0.69	0.89	0.86	0.68	0.63	0.41	0.39	0.48	0.86	1.08	1.23	1.26	0.72
1.62	1.15	1.00	1.08	1.09	1.27	1.48	1.29	1.70	0.88	1.20	0.83	1.26
0.84	0.89	0.76	0.69	0.74	0.45	0.51	0.44	0.55	0.42	0.34	0.48	0.85
0.99	0.68	1.15	1.11	1.18	0.79	0.34	0.61	0.67	0.97	0.85	0.61	0.79
0.89	0.90	0.97	0.82	0.78	0.54	0.49	0.56	0.42	0.65	0.55	0.60	0.78
0.58	0.57	0.60	0.60	0.46	0.51	0.34	0.27	0.27	0.27	0.51	0.48	0.52
0.62	0.65	0.71	0.64	0.57	0.42	0.35	0.35	0.44	0.42	0.57	0.72	0.55
0.51	0.61	0.59	0.55	0.69	0.80	0.57	0.46	0.37	0.34	0.32	0.44	0.52
0.85	0.82	0.84	0.94	0.87	0.76	0.47	0.40	0.38	0.44	0.30	0.23	0.60
0.92	0.92	0.82	0.77	0.65	0.67	0.64	0.41	0.33	0.40	0.36	0.43	0.54
0.74	0.68	0.66	0.66	0.80	0.74	0.66	0.75	0.90	0.93	1.00	1.14	0.68
0.55	0.40	0.46	0.48	0.54	0.44	0.46	0.52	0.64	0.78	0.76	0.78	0.71
0.74	0.72	0.71	0.72	0.76	0.88	0.70	0.62	0.76	0.99	0.96	1.09	0.74
0.75	0.77	0.65	0.69	0.85	0.77	0.86	0.89	1.00	1.04	1.48	1.33	0.88
1.13	1.07	1.21	1.26	1.34	-	-	-	-	-	-	-	1.28
-	-	-	-	-	-	-	-	-	-	-	-	1.07
1.02	1.07	0.98	0.93	1.00	0.73	0.84	0.99	0.84	0.80	0.77	1.02	0.98
0.73	0.62	0.71	0.48	0.47	0.79	0.34	0.30	0.40	0.49	0.39	0.48	0.76
0.75	0.71	0.85	0.92	0.78	0.58	0.62	0.61	0.66	0.58	0.80	0.75	0.61
0.60	0.62	0.53	0.44	0.49	0.35	0.60	0.79	0.77	0.86	0.73	0.84	0.72
0.81	0.77	0.74	0.73	0.70	0.63	0.60	0.58	0.64	0.71	0.75	0.76	0.76

IONES LIVIANOS POSITIVOS "n^+" por cm^3

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	564	434	608	521	347	347	390	217	347	477	521	521
2	608	911	825	707	782	707	608	744	744	911	951	911
3	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-
6	868	831	825	868	911	695	787	614	782	782	787	608
7	-	-	-	-	-	-	-	563	521	521	521	521
8	614	657	608	608	608	563	563	608	563	563	521	563
9	477	563	527	614	563	434	434	390	347	347	260	303
10	390	303	303	434	303	390	434	521	477	434	477	434
11	707	608	707	608	608	608	563	608	563	521	521	521
12	521	434	434	434	434	434	347	390	434	347	347	390
13	482	782	782	782	911	594	991	951	1074	1195	911	1031
14	1194	390	514	931	521	570	607	514	787	955	1355	1434
15	434	521	614	868	831	707	521	-	-	-	-	-
16	-	-	-	-	-	-	-	1114	995	1115	1194	1075
17	347	434	434	434	347	434	347	434	477	825	955	911
18	434	477	787	563	563	563	434	521	521	477	608	608
19	744	707	563	434	347	390	347	477	608	-	-	-
20	347	390	521	477	434	521	-	651	707	434	434	707
21	217	-	-	-	-	-	-	-	-	390	521	521
22	260	347	347	434	347	347	434	-	-	-	-	-
23	-	-	-	-	-	-	-	521	521	434	347	347
24	782	744	608	521	563	563	521	608	521	521	434	434
25	782	707	707	608	563	521	434	434	477	390	521	521
26	951	955	955	951	695	774	1114	911	1115	1275	1194	1234
27	608	474	955	1035	868	868	911	955	955	955	1035	1194
28	707	-	-	-	-	-	-	260	477	778	1154	-
29	521	521	608	707	695	782	563	871	1314	1234	1274	1114
30	260	347	347	347	347	347	477	477	744	995	911	861
31	608	521	521	521	563	521	563	707	707	608	608	521
Promedio	577	568	613	626	572	551	563	602	671	699	734	720

IONES LIVIANOS NEGATIVOS "n^-" por cm^3

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	-	-	-	-	-	-	-	601	677	898	376	1392
2	451	1052	940	902	828	752	752	714	790	1048	1113	1154
3	752	864	752	714	715	828	639	676	1014	1048	976	714
4	75	75	75	263	188	328	312	150	639	1052	828	828
5	-	150	381	226	112	75	75	-	338	451	639	790
6	676	677	639	676	639	413	489	269	488	676	639	488
7	-	-	-	-	-	-	-	269	226	312	312	376
8	376	376	344	269	226	226	269	226	226	188	269	344
9	112	188	269	301	344	269	312	150	150	150	150	150
10	269	226	150	188	75	75	75	75	75	188	226	226
11	312	376	376	312	312	312	312	75	112	312	312	312
12	269	312	226	226	226	226	226	150	150	226	226	312
13	602	677	677	602	790	940	850	1082	974	905	715	1045
14	828	1112	828	1829	1865	1508	715	414	312	451	714	902
15	75	75	112	75	150	226	150	-	526	790	866	677
16	188	75	269	226	188	188	639	601	639	714	974	790
17	75	112	75	75	75	75	75	231	150	300	602	488
18	150	150	269	75	188	226	226	75	188	451	376	381
19	381	344	231	150	75	75	-	-	-	112	112	150
20	75	150	188	188	188	226	226	188	150	112	188	344
21	226	150	269	301	150	301	301	188	112	150	312	344
22	75	75	75	112	150	150	112	75	112	312	312	376
23	488	376	344	376	225	312	376	344	344	226	226	226
24	276	312	226	226	226	269	188	150	150	226	269	312
25	526	526	639	451	413	312	312	312	312	312	344	226
26	300	451	563	601	639	902	828	976	940	976	940	1014
27	1290	1256	866	752	488	526	526	526	602	676	752	752
28	376	-	-	-	-	-	-	269	419	570	1012	1475
29	413	413	451	526	488	488	226	381	970	905	1086	940
30	75	75	150	150	112	150	150	269	526	866	752	677
31	312	226	226	150	188	188	188	269	413	376	376	312
Promedio	262	388	379	391	366	377	354	339	424	533	597	710

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
707	614	260	434	260	521	477	483	434	217	260	787	448
955	514	-	-	-	-	-	-	-	-	-	-	777
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	521	563	608	782	868	911	911	738
782	744	782	782	782	563	434	434	434	563	-	-	712
563	390	477	608	563	608	707	657	521	563	521	477	547
657	563	521	608	563	521	434	477	303	390	347	521	539
303	347	347	260	347	390	434	390	347	390	434	434	403
521	608	608	521	347	434	434	477	563	563	563	608	464
434	434	347	477	477	521	434	521	744	707	657	563	561
390	434	563	434	434	434	303	347	563	782	868	825	472
677	1075	1035	1075	871	303	1115	868	434	782	734	868	847
1234	1234	1075	911	868	694	707	521	521	521	434	521	792
-	-	-	-	-	-	-	-	-	-	-	-	642
1234	1314	1035	868	868	477	477	347	347	434	434	347	804
695	563	608	477	563	390	347	347	347	260	260	390	484
707	614	477	521	434	347	347	303	347	390	434	608	504
-	-	-	-	-	390	434	347	347	347	347	390	451
995	1115	955	955	911	695	434	434	347	434	217	174	578
521	608	608	608	707	608	434	390	390	347	347	390	475
-	-	-	-	-	-	-	-	-	-	-	-	359
260	174	260	260	347	303	390	521	521	608	563	707	417
303	347	390	477	477	614	477	434	563	744	744	825	551
434	434	347	434	521	434	521	521	695	744	744	1035	564
1075	1035	1035	1114	1035	995	955	1031	1035	871	390	908	983
1234	1435	1194	1114	995	608	608	657	707	782	782	707	902
-	1115	1115	911	951	782	608	707	657	521	521	521	737
1734	1154	951	825	868	787	695	390	347	260	260	347	784
868	744	825	868	868	608	608	434	434	434	521	521	591
390	434	347	303	347	347	434	521	521	521	521	608	511
736	722	673	660	642	534	531	506	510	540	513	600	610

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
3319	2425	344	488	601	1732	2732	1158	828	526	790	1052	1173
1188	1154	1324	1154	1014	866	752	639	752	790	714	714	898
677	752	676	526	269	269	226	193	150	75	75	75	569
902	677	526	451	-	-	-	269	150	75	75	112	383
905	978	828	790	-	-	188	226	376	488	526	564	455
526	376	451	451	413	312	269	188	188	-	-	-	473
376	312	269	269	269	269	226	269	188	269	312	344	286
344	344	226	188	188	150	112	150	75	112	75	75	224
150	188	112	112	75	188	269	231	269	312	269	226	206
269	376	312	188	150	226	226	226	226	226	312	312	204
312	269	226	226	226	226	150	231	312	344	312	312	274
312	312	231	150	150	112	150	226	376	526	602	602	314
1112	602	514	526	639	1012	527	677	1219	1391	864	682	818
978	826	714	677	489	381	150	75	75	75	75	75	670
978	974	828	790	752	193	188	193	150	150	226	112	402
902	1120	752	526	413	75	150	150	75	75	112	75	413
381	269	312	112	150	150	226	150	150	75	75	112	187
376	344	188	312	150	188	75	75	231	226	226	225	224
150	150	112	112	75	75	75	150	75	75	112	75	136
714	752	676	526	376	344	231	231	226	269	301	75	289
376	312	312	312	226	112	188	150	75	150	226	112	223
419	328	226	301	312	226	226	269	226	376	376	488	238
188	226	112	112	188	150	112	226	150	226	269	312	256
226	226	188	226	312	226	226	188	269	376	488	488	265
312	226	150	226	376	312	376	376	451	451	352	677	390
902	676	826	902	864	426	714	715	381	970	1320	974	783
902	1120	940	752	602	226	150	312	231	344	226	338	631
1086	976	905	752	714	451	269	451	344	376	312	376	618
826	866	677	564	526	226	75	75	112	150	112	188	487
639	602	602	602	526	188	226	112	75	112	226	226	337
269	312	150	150	150	75	112	188	269	226	312	376	242
615	474	476	435	386	324	320	283	312	328	356	346	412

IONES PESADOS POSITIVOS "N^+" por cm^3

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	34080	24200	70000	37680	53820	21520	74400	16130	16130	20350	38600	-
2	-	-	-	7180	7180	8060	-	-	-	8060	25150	8950
3	13430	8950	6295	3585	8950	3585	20700	5380	10770	34080	20350	11690
4	15250	6295	22400	8950	2690	-	898	-	-	-	-	-
5	-	8950	4490	8950	7180	8060	8060	-	13430	4490	23360	5380
6	1795	1795	1795	1795	1795	3585	4490	2690	2690	2690	3585	2690
7	-	-	-	-	-	-	-	3585	3585	4490	3585	4490
8	2690	1795	5380	3585	3585	4490	4490	5380	5380	4490	6295	2590
9	6295	3585	4490	3585	3585	5380	6295	8060	8060	20700	17950	16130
10	4490	9860	3585	7180	20350	8950	12590	8060	11690	1795	-	2690
11	9860	6295	8950	2690	2690	8060	8950	6295	8060	6295	3585	1795
12	5380	1795	-	3585	4490	7180	10770	5380	8950	5380	3585	5380
13	1795	-	-	2690	5380	4490	6295	5380	8060	2690	898	-
14	2690	2690	5380	3585	5380	-	3585	2690	4490	9860	-	5380
15	10770	9860	8060	9860	8950	4490	8950	7180	8950	5380	16130	-
16	12590	14350	8950	9860	5380	13430	11690	7180	5380	8950	5380	12590
17	11690	10770	5380	6295	6295	10770	6295	21520	16130	2690	11690	11690
18	14350	-	13430	10770	7180	14350	8950	8950	2690	3585	898	12590
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	4490	20700	17050	17050
21	17050	15250	8950	8950	12590	12590	13430	10770	6295	1795	3585	2690
22	7180	5380	5380	5380	6295	7180	5380	5380	5380	3585	3585	3585
23	898	1795	2690	2690	1795	2690	2690	2690	1795	3585	2690	3585
24	2690	2690	2690	3585	2690	4490	-	4490	3585	3585	3585	3585
25	6295	898	4490	3585	1795	5380	3585	8950	-	-	-	-
26	-	-	-	-	-	-	-	22450	24200	7180	3585	20700
27	5380	3585	-	-	-	-	-	-	-	3585	1795	1795
28	3585	2690	2690	2690	3585	2690	3585	7180	3585	2690	4490	4490
29	1795	2690	2690	1795	2690	2690	5380	3585	3585	2690	4490	5380
30	-	-	-	-	-	-	-	4490	4490	5380	8060	8950
31	2690	2690	3585	4490	3585	4490	4490	4490	3585	3585	3585	-
Promedio	8113	6472	9170	6600	7596	7330	10259	7533	7517	7298	9136	7744

IONES PESADOS NEGATIVOS "N^-" por cm^3

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	16130	8060	11690	14350	14350	16130	11690	20700	15250	31460	45720	-
2	-	-	-	8950	-	18870	-	-	-	-	34080	-
3	-	-	8060	-	-	-	-	-	-	29600	28730	8060
4	-	-	18870	4490	-	-	-	-	-	-	-	-
5	-	5380	-	-	7180	4490	8060	-	1795	6295	4490	2690
6	898	1795	2690	1795	1795	4490	1795	9860	5380	5380	898	898
7	-	-	-	-	-	-	-	8060	4490	2690	6295	5380
8	5380	3585	7180	8950	6295	10770	7185	12590	7185	8950	3585	8950
9	9860	13430	8060	8060	8950	5380	10770	13430	13430	22400	-	27300
10	10770	18870	18870	-	20350	17950	23360	13430	13430	-	14350	30580
11	8060	15250	26900	22400	16130	-	-	20350	18870	9860	17950	-
12	6295	-	-	-	15250	-	-	-	-	-	18870	20350
13	-	15250	9860	-	-	12590	-	-	6295	5380	10770	10770
14	-	6295	16130	10770	-	-	-	-	-	-	-	14350
15	28730	26000	24200	17050	16130	13430	-	17950	8950	-	-	-
16	-	23360	14350	20700	14350	-	14350	17950	11690	25150	-	-
17	33400	23360	15250	11690	10770	14350	11690	-	33190	-	-	-
18	25150	-	15250	25150	17950	24200	-	9360	-	14350	14350	12590
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	18870	16130	15250	14350	11690	17950	17050	11690	10770	6295	3585	5380
22	9860	7180	8060	8060	9360	11690	8060	7180	5380	8060	4490	3585
23	3585	2690	3585	5380	5380	5380	4490	4490	4490	6295	4490	4490
24	4490	5380	4490	5380	8060	8950	-	8060	4490	8060	8950	3585
25	11690	4490	-	9860	10770	-	-	7180	-	-	-	-
26	-	-	-	-	-	-	-	22400	-	29600	43950	-
27	-	-	-	-	-	-	-	-	-	-	898	-
28	1795	1795	1795	3585	1795	4490	-	7180	898	3950	4490	4490
29	4490	3585	1795	1795	3585	1795	3585	898	1795	898	8950	5380
30	-	-	-	-	-	-	-	6295	4490	1795	5380	3585
31	1795	2690	4490	3585	2690	4490	3585	8060	7180	2690	1795	-
Promedio	10569	10229	11277	10318	10166	10966	9667	11381	8972	11708	13048	9606

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
36790	17050	20350	48400	43000	54650	33190	9860	6295	11690	1795	-	31363
34080	10770	7180	14350	7180	4490	5380	3585	5380	4490	7180	3585	9568
4490	-	7180	8950	7180	12590	16130	27800	27800	12590	18870	17950	13448
-	-	-	-	-	-	-	-	-	-	-	-	9414
3585	3585	3585	5380	5380	7180	7180	5380	3585	2690	2690	1795	6562
1795	2690	1795	4490	7180	6295	8950	9860	11690	5380	3585	-	4135
2690	1795	3585	3585	3585	5380	4490	4490	6295	5380	5380	5380	4222
3585	5380	6295	3585	5380	13430	10770	14350	16130	17950	16130	8950	7587
898	7180	3585	15250	23360	15250	40400	7180	9860	12590	7180	14350	10883
8950	17050	11690	12590	20700	17050	16130	13430	8950	5380	7180	1795	10093
4490	1795	2690	7180	-	8060	9860	9860	-	4490	3585	6295	5992
6295	-	1795	13430	8060	10770	11690	7180	898	3585	898	898	5790
6295	898	3585	7180	898	6295	4490	1795	7180	3585	7180	4490	4359
898	-	7180	7180	8950	11690	8950	7180	7180	16130	3585	10770	6449
-	10770	4490	11690	8950	12590	15250	17050	18870	14350	14350	8950	10722
17050	8060	8950	4490	6295	12590	-	25150	18870	16130	14350	11650	11275
898	7180	-	18870	14350	15250	5380	24200	13430	20350	17950	24200	12316
10770	9860	9860	-	10770	-	-	-	-	-	-	-	9267
-	-	-	-	-	-	-	-	-	-	-	-	-
6295	13430	1795	-	2690	7180	11690	10770	12590	8950	16130	15250	11071
898	1795	1795	1795	1795	4490	4490	10770	9860	9860	8950	8950	7475
2690	4490	3585	2690	1795	2690	6295	4490	2690	1795	1795	1795	4187
4490	5380	7180	8060	6295	7180	10770	7180	6295	4490	5380	3585	4412
1795	3585	3585	3585	5380	-	-	-	-	2690	3585	2690	3398
-	-	-	-	-	-	-	-	-	-	-	-	4372
6295	4490	3585	6295	7180	12590	8950	7180	-	8060	9860	7180	9986
898	2690	3585	3585	-	-	-	-	-	3585	3585	3585	3138
3585	3585	2690	3585	3585	4490	5380	3585	3585	4490	3585	2690	3699
4490	3585	-	-	-	-	-	-	-	-	-	-	3395
3585	3585	3585	2690	2690	2690	6295	8060	6295	7180	5380	3585	5117
-	-	-	-	-	-	-	-	-	-	-	-	3751
6868	6278	5407	9120	8860	11081	11460	10452	9701	8314	7606	7407	8222

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
43000	-	-	-	-	50300	55600	30580	36790	-	-	-	26362
35000	-	-	-	-	8950	6295	4490	-	9860	-	-	15812
-	-	-	8060	12590	13430	-	25150	24200	20700	32300	28730	19967
-	-	-	-	-	-	-	-	-	-	-	-	11680
1795	898	5380	5380	-	3585	3585	5380	4490	2690	2690	898	4060
-	898	3585	6295	3585	9860	8060	14350	11690	3585	3585	-	4689
1795	4490	5380	11690	5380	8950	7180	5380	6295	6295	4490	3585	5754
4490	7180	10770	6295	18870	7180	28730	20700	24200	27800	15250	9860	11330
13430	12590	10770	-	-	21520	21520	18870	7180	17950	12590	15250	13964
-	22400	18870	16130	26000	32300	32300	15250	20700	9860	-	17050	19641
12590	10770	-	-	-	-	2690	18870	20350	17050	-	-	15870
17050	12590	-	-	15250	-	-	-	17050	-	12590	-	15033
-	10770	12590	-	-	8950	-	-	-	15250	16130	-	11217
18870	17050	14350	14350	20350	18870	17950	-	26900	16130	-	22400	16769
-	17950	-	24200	16130	12590	-	27800	26000	23360	24200	27800	20733
11690	15250	12590	31460	-	-	20350	17050	30580	28730	21520	-	19478
-	26000	-	-	-	-	-	-	-	-	-	30580	14234
-	-	-	-	-	-	-	-	-	-	-	-	17650
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	4490	6295	14350	16130	18870	14350	18870	17050	13800
2690	3585	6295	2690	2690	5380	17950	14350	10770	12590	13430	10770	10508
8950	8060	8950	6295	6295	5380	8950	7180	6295	3585	4490	4490	7099
10770	9860	12590	11690	9860	17050	9860	11690	10770	8060	8950	4490	7516
8060	7180	7180	8060	5380	8950	-	-	-	5380	10770	-	6887
-	-	-	-	-	-	-	-	-	-	-	-	8798
-	-	-	32300	-	-	-	-	31460	29600	18870	22400	28822
898	3585	2690	1795	-	-	-	-	-	4490	2690	5380	2803
2690	1795	1795	1795	5380	1795	2690	4490	3585	5380	1795	2690	3354
2690	2690	-		-	-	-	-	-	-	-	-	3138
2690	5380	1795	4490	-	2690	7185	12590	8950	8060	5380	2690	5215
-	-	-	-	-	-	-	-	-	-	-	-	3914
11064	9570	8474	11351	10876	12843	15603	15017	17356	13216	12137	13301	12169

COMPONENTE NORTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	19.7	1.5	7.6	9.1	9.1	9.1	6.0	13.6	4.5	6.0	- 6.4	- 6.4	3.2
2	-12.7	- 4.7	- 9.5	-15.9	- 9.5	-	-	-	-	-22.3	-35.0	-36.6	-33.4
3	-33.4	-33.4	-33.4	-30.2	-36.6	-35.0	-35.0	-38.2	-41.3	-41.3	-42.9	-35.0	-33.4
4	-30.2	-30.2	-30.2	-27.0	-33.4	-33.4	-31.8	-27.0	-36.6	-35.0	-33.4	-31.8	-28.6
5	-20.7	-17.5	-19.1	-17.5	-22.3	-22.3	-19.1	-20.3	-27.0	-28.6	-27.0	-28.6	-28.6
6	-19.1	-12.7	-14.3	-14.3	-19.1	-23.8	-20.7	-17.5	-15.9	-19.1	-22.3	-28.6	-28.6
7	- 9.5	- 9.5	-11.1	- 9.5	-15.9	-17.5	-11.1	- 8.0	- 9.5	-11.0	-19.1	-11.1	-11.1
8	- 1.6	- 3.2	- 3.2	- 4.7	- 6.4	-11.1	- 8.0	1.5	1.5	- 1.6	- 4.7	- 3.2	- 1.6
9	- 3.2	- 4.7	- 1.6	1.5	- 1.6	6.0	- 4.7	3.0	4.5	3.0	- 6.4	- 3.2	- 6.4
10	3.0	1.5	3.0	1.5	- 3.0	- 8.0	4.5	- 6.4	- 1.6	- 3.2	- 6.4	1.5	6.0
11	3.0	- 1.6	1.5	4.5	3.0	- 4.7	1.5	- 4.7	- 4.7	- 1.6	- 9.5	- 3.2	6.0
12	7.6	4.5	4.5	9.1	6.0	6.0	1.5	- 3.2	- 4.7	- 6.4	- 6.4	1.5	- 3.0
13	3.0	- 1.6	3.0	13.6	3.0	- 3.2	10.6	9.1	1.5	- 1.6	- 6.4	3.0	- 3.2
14	12.1	10.6	7.6	7.6	1.5	9.1	- 7.6	- 7.6	- 6.4	- 4.7	- 4.7	- 9.5	- 8.0
15	3.0	3.0	3.0	9.1	3.0	- 4.7	- 4.7	-17.5	-15.9	-12.7	-20.7	-22.3	-
16	4.5	9.1	6.0	15.1	1.5	- 9.1	7.6	3.0	- 4.7	- 3.2	- 4.7	1.5	- 1.6
17	6.0	9.1	7.6	6.0	4.5	1.5	3.0	- 1.6	- 1.6	- 1.6	- 6.4	3.0	- 4.7
18	9.1	13.6	12.1	13.6	6.0	3.0	3.0	- 3.2	3.0	4.5	6.0	9.1	9.1
19	6.0	12.1	13.6	12.1	16.6	7.6	10.6	6.0	4.5	3.0	4.5	7.6	4.5
20	3.0	9.1	19.7	12.1	10.6	9.1	13.6	15.1	15.1	6.0	4.5	10.6	9.1
21	9.1	13.6	9.1	10.6	6.0	1.5	1.5	6.0	10.6	4.5	9.1	4.5	6.0
22	9.1	9.1	19.7	16.6	12.1	9.1	6.0	4.5	3.0	9.1	1.5	1.5	1.5
23	12.1	16.6	12.1	15.1	9.1	3.0	3.0	3.0	3.0	3.0	4.5	9.1	7.6
24	9.1	13.6	16.6	13.6	10.6	3.6	9.1	9.1	7.6	9.1	3.6	7.6	9.1
25	15.1	7.6	15.1	13.6	12.1	6.0	9.1	12.1	10.6	7.6	6.0	10.6	9.1
26	19.7	16.6	16.6	16.6	13.6	-	-	-	-	-	-	-	-
27	2.3	10.4	8.1	8.1	2.3	1.2	5.8	2.3	1.2	1.2	3.5	- 1.2	1.2
28	13.9	4.6	5.8	5.8	3.5	4.6	3.5	- 2.3	2.3	3.0	3.0	4.5	3.0
29	1.5	6.0	6.0	6.0	3.0	1.5	3.0	1.5	3.0	3.0	- 3.2	- 1.6	- 1.6
30	6.0	9.1	9.1	12.1	7.6	4.5	7.6	3.0	3.0	4.5	3.0	4.5	1.5
31	6.0	12.1	10.6	15.1	4.5	6.0	3.0	1.5	3.0	1.5	1.5	4.5	4.5
Prom	1.7	2.4	3.1	4.2	0.1	- 2.8	- 1.0	- 2.2	- 3.0	- 4.2	- 7.2	- 4.6	- 3.9
Var.	4.8	5.5	6.2	7.3	3.2	0.3	2.1	0.9	0.1	- 1.1	- 4.1	- 1.5	- 0.8

COMPONENTE ESTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	8.5	12.8	8.5	9.9	- 5.7	- 7.1	- 9.9	- 8.5	-11.4	1.4	- 2.8	- 2.8	-21.3
2	1.6	- 1.6	- 1.6	- 1.6	- 8.0	-12.7	-11.1	-35.0	-38.2	-33.4	-27.0	-15.9	- 9.5
3	2.8	5.7	4.3	1.4	8.6	-15.6	- 7.1	- 4.3	- 8.5	2.8	- 7.1	- 4.3	- 5.7
4	5.7	8.6	5.7	7.1	2.8	- 8.5	- 8.5	-19.9	- 7.1	- 2.8	- 2.8	1.4	1.4
5	1.4	8.6	7.1	8.6	4.3	2.8	- 1.4	- 2.8	4.3	- 4.3	1.4	- 1.4	- 2.8
6	2.8	12.8	11.4	11.4	5.7	- 5.7	- 5.7	2.8	4.3	2.8	4.3	2.8	4.3
7	12.8	18.5	12.8	11.4	2.8	- 5.7	- 2.8	- 7.1	-14.2	-17.0	-11.4	4.3	4.3
8	14.2	19.9	14.2	15.6	5.7	- 5.7	- 2.8	-15.6	-18.5	-15.6	-14.2	- 5.7	4.3
9	12.8	19.9	15.6	14.2	5.7	1.4	- 1.4	-14.2	-14.2	-18.5	- 2.8	2.8	2.8
10	18.5	21.4	20.0	15.7	8.6	- 2.8	2.8	11.4	7.1	12.8	7.1	5.7	1.4
11	17.1	20.0	15.7	14.2	5.7	2.8	1.4	8.6	7.1	7.1	2.8	8.6	5.7
12	17.1	22.8	18.5	20.0	18.5	12.8	12.8	5.7	7.1	8.6	7.1	10.0	10.0
13	11.4	25.6	22.8	18.5	8.6	- 2.8	1.4	10.0	2.8	5.7	5.7	4.3	4.3
14	17.1	22.8	14.2	14.2	18.6	- 2.8	5.7	11.4	8.6	14.2	10.0	7.1	5.7
15	14.2	17.1	11.4	11.4	2.8	7.1	4.3	-	-	-	-	-	-
16	8.6	11.4	11.4	11.4	1.4	- 8.5	- 5.7	1.4	- 1.4	2.8	2.8	2.8	4.3
17	11.4	17.1	11.4	12.8	4.3	- 1.4	- 2.8	5.7	5.7	2.8	- 1.4	2.8	4.3
18	11.4	17.1	14.2	14.2	4.3	1.4	11.4	2.8	4.3	4.3	4.3	5.7	7.1
19	10.0	11.4	10.0	11.4	15.7	8.6	5.7	4.3	2.8	2.8	4.3	8.6	4.3
20	5.7	17.1	12.8	15.7	4.3	- 7.1	4.3	1.4	5.7	5.7	4.3	7.1	2.8
21	12.8	15.7	14.2	11.4	7.1	- 2.8	- 2.8	4.3	4.3	2.8	2.8	4.3	4.3
22	15.7	17.1	12.8	12.8	11.4	5.7	10.0	8.6	4.3	5.7	4.3	2.8	1.4
23	8.6	17.1	15.7	14.2	11.4	2.8	- 1.4	5.7	2.8	8.6	5.7	4.3	7.1
24	12.8	20.0	15.7	15.7	10.0	- 1.4	2.8	8.6	10.6	12.8	10.0	8.6	10.0
25	14.2	17.1	14.2	15.7	5.7	2.8	4.3	8.6	10.0	11.4	4.3	8.6	8.6
26	11.4	15.7	10.0	12.8	8.6	7.1	5.7	4.3	7.1	4.3	5.7	1.4	4.3
27	7.1	11.4	8.6	8.6	- 1.4	- 2.8	- 2.8	1.4	1.4	2.8	1.4	1.4	1.4
28	10.0	11.4	5.7	7.1	- 2.8	4.3	5.7	4.3	2.8	1.4	2.8	2.8	4.3
29	5.7	11.4	8.6	7.1	- 1.4	- 8.5	1.4	1.4	2.8	2.8	1.4	2.8	2.8
30	8.6	14.2	10.2	11.4	2.8	- 1.4	2.8	4.3	5.7	4.3	2.8	2.8	5.7
31	10.0	17.1	15.7	14.2	2.8	- 1.4	- 4.3	5.7	8.6	10.0	8.6	5.7	4.3
Prom	10.4	15.4	12.0	11.9	5.4	- 1.4	0.4	0.5	0.2	1.6	1.1	3.0	2.7
Var.	5.3	10.3	6.9	6.8	0.3	- 6.5	- 4.7	- 4.6	- 4.9	- 3.5	- 4.0	- 2.1	- 2.4

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
12.1	- 9.5	- 6.4	-15.9	-15.9	-20.7	-23.8	-23.8	-20.7	-15.9	-19.1	- 3.5	2
-31.8	-28.6	-39.8	-46.1	-39.8	-38.2	-36.6	-36.6	-41.3	-28.6	-33.4	-29.0	1
-28.6	-23.8	-30.2	-	-38.2	-36.6	-35.0	-35.0	-33.4	-25.4	-36.6	-34.4	0
-23.8	-	-35.0	-41.3	-41.3	-41.3	-28.6	-27.0	-35.0	-20.7	-25.4	-31.6	1
-28.6	-30.2	-31.8	-31.8	-28.6	-25.4	-23.8	-17.5	-19.1	-14.3	-17.5	-23.6	0
-22.3	-17.5	-17.5	-28.6	-22.3	-23.8	-15.9	-14.3	-12.7	- 8.0	-20.7	-19.2	0
- 9.5	-23.8	-15.9	-14.3	-17.5	-12.7	- 6.4	- 8.0	- 8.0	- 6.4	- 8.0	-11.8	0
3.0	- 9.5	- 9.5	-14.3	-12.7	- 6.4	- 1.6	- 1.6	- 4.7	- 1.6	- 3.2	- 4.5	0
-	- 8.0	- 4.7	- 9.5	- 8.0	- 4.7	- 3.2	3.0	- 1.6	6.0	6.0	- 1.7	0
1.5	- 9.5	- 6.4	- 9.5	- 4.7	- 8.0	4.7	3.0	1.5	3.0	- 1.6	- 1.4	1
- 3.2	- 4.7	-15.9	- 8.0	- 9.5	- 6.4	- 6.4	3.0	1.5	1.5	1.5	- 2.4	1
- 1.6	7.6	- 3.2	- 8.0	- 6.4	- 3.2	- 8.0	6.0	4.5	7.6	3.0	0.6	1
6.0	- 6.4	- 3.2	3.0	4.5	4.5	4.5	9.1	9.1	6.0	7.6	3.1	1
- 3.2	- 3.2	- 4.7	- 9.5	-12.1	- 8.0	- 6.4	- 6.4	- 6.4	1.5	- 4.7	- 2.6	0
-	- 1.6	- 6.4	- 9.5	- 4.7	-11.1	- 8.0	- 3.0	- 4.7	4.5	3.0	- 5.4	1
1.5	- 3.2	- 1.6	- 3.2	1.5	3.0	3.0	- 1.6	4.5	3.0	3.0	1.4	2
3.0	1.5	- 8.0	-11.1	3.0	- 6.4	- 3.2	12.1	6.0	6.0	4.5	1.3	1
3.0	- 3.2	3.0	- 3.2	- 3.2	1.5	3.0	6.0	3.0	6.0	4.5	4.6	1
1.5	- 3.2	- 3.2	- 1.6	1.5	3.0	3.0	12.1	- 4.7	- 4.7	- 3.2	4.6	1
3.0	- 4.7	- 3.2	- 1.6	1.5	4.5	3.0	- 1.6	15.1	4.5	7.6	6.9	2
- 1.6	- 3.2	- 3.2	- 1.6	3.0	4.5	7.6	12.1	6.0	15.1	3.0	5.6	2
3.0	- 1.6	1.5	- 4.7	3.0	- 1.6	4.5	9.1	9.1	13.6	10.6	6.2	1
3.0	9.1	- 1.6	- 3.2	6.5	- 3.2	12.1	12.1	12.1	19.7	9.1	7.4	1
7.6	3.0	7.6	4.5	4.5	6.0	9.1	12.1	4.5	9.1	6.0	8.1	1
3.0	6.0	1.5	6.0	3.0	3.0	6.0	9.1	7.6	16.6	15.1	8.8	2
-	-	-	-	-	-	-	4.6	2.3	8.1	5.8	11.5	1
2.3	9.3	7.0	- 1.2	2.3	2.3	4.6	5.8	7.0	10.4	7.0	4.3	1
3.0	1.5	4.5	- 6.4	- 1.6	- 1.6	1.5	3.0	1.5	6.0	4.5	3.0	0
- 3.2	1.5	1.5	1.5	- 1.6	1.5	- 1.6	1.5	3.0	4.5	3.0	1.6	0
- 3.2	- 6.4	- 6.4	- 3.2	- 3.2	- 4.7	4.5	6.0	4.5	9.1	3.0	3.1	0
6.0	10.6	10.6	4.5	3.0	3.0	6.0	10.6	15.1	15.1	6.0	6.8	1
- 3.5	- 5.2	- 7.4	- 9.2	- 7.8	- 6.0	- 4.4	- 1.2	- 2.4	1.6	- 1.9	3.1	
- 0.4	- 2.1	- 4.3	- 6.1	- 4.7	- 2.9	- 1.3	1.9	0.7	4.7	1.2		

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
-21.3	-15.6	5.7	2.8	1.4	- 5.7	- 7.1	- 7.1	- 2.8	- 4.3	- 1.4	- 3.5	2
- 6.3	-20.7	-22.3	-22.3	-11.1	-12.7	- 9.5	- 6.4	- 6.4	3.0	- 3.2	-13.0	2
- 4.3	- 7.1	- 7.1	- 9.9	- 8.5	- 7.1	- 5.7	- 4.3	1.4	7.1	7.1	- 2.7	1
1.4	5.7	- 4.3	5.7	- 4.3	- 2.8	- 1.4	2.8	5.7	11.4	5.7	0.4	2
- 5.4	- 4.3	- 1.4	- 2.8	- 1.4	- 5.7	1.4	4.3	1.4	8.6	8.6	1.2	0
2.8	1.4	5.7	2.8	1.4	1.4	4.3	5.7	11.4	18.5	15.7	5.2	1
5.7	1.4	5.7	8.6	- 2.8	2.8	7.1	10.0	12.8	14.2	15.7	3.7	1
- 7.1	2.8	11.4	4.3	4.3	2.8	1.4	5.7	8.6	15.6	12.8	2.4	1
4.3	- 4.3	1.4	1.4	1.4	- 2.8	2.8	5.7	9.9	17.1	15.6	3.2	1
4.3	- 2.8	4.3	4.3	- 1.4	1.4	2.8	7.1	10.0	14.2	15.7	7.9	1
12.8	12.8	1.4	8.6	2.8	5.7	7.1	8.6	14.2	18.5	17.1	9.4	1
10.0	14.2	15.7	5.7	5.7	7.1	4.3	12.8	11.4	18.5	17.1	12.2	1
5.7	- 2.8	2.8	5.7	2.8	2.8	- 2.8	- 5.7	- 7.1	17.0	20.0	6.5	1
8.6	- 5.7	5.7	- 4.3	1.4	- 1.4	1.4	2.8	10.0	11.4	8.6	7.7	1
-	8.6	2.8	- 2.8	1.4	2.8	- 4.3	4.3	4.3	11.4	8.6	6.2	1
5.7	4.3	4.3	4.3	2.8	2.8	- 2.8	2.8	7.1	12.8	8.6	3.9	1
4.3	5.7	7.1	2.8	2.8	- 5.7	- 4.3	8.6	7.1	14.2	11.4	5.3	1
4.3	5.7	5.7	4.3	2.8	5.7	4.3	7.1	10.0	11.4	10.0	7.2	2
1.4	4.3	4.3	2.8	- 5.7	- 5.7	4.3	7.1	7.1	15.7	12.8	6.2	1
5.7	1.4	7.1	4.3	1.4	2.8	4.3	5.7	5.7	15.7	8.6	5.9	1
5.7	7.1	5.7	2.8	1.4	1.4	- 1.4	4.3	8.6	14.2	12.8	5.9	1
2.8	5.7	8.6	5.7	2.8	1.4	2.8	15.7	7.1	15.7	12.8	8.1	1
8.6	2.8	2.8	1.4	4.3	10.0	11.4	8.6	12.8	17.1	14.2	8.2	1
8.6	5.7	11.4	8.6	8.6	5.7	5.7	8.6	12.8	17.1	15.7	10.2	1
11.4	12.8	12.8	7.1	5.7	2.8	5.7	8.6	8.6	15.7	12.8	9.6	1
5.7	5.7	2.8	2.8	1.4	2.8	2.8	5.7	2.8	7.1	5.7	6.0	1
1.4	- 2.8	- 1.4	1.4	- 2.8	- 2.8	- 5.7	2.8	1.4	8.6	5.7	1.8	1
2.8	1.4	5.7	1.4	1.4	1.4	2.8	4.3	4.3	8.6	5.7	4.2	1
2.8	1.4	1.4	- 1.4	2.8	1.4	2.8	2.8	4.3	10.0	8.6	3.1	0
5.7	8.6	10.0	8.6	7.1	5.7	5.7	8.6	10.0	15.7	14.2	7.2	1
5.7	5.7	8.6	5.7	5.7	7.1	10.0	10.0	14.2	17.1	12.8	8.3	1
3.1	1.9	4.0	2.3	1.1	0.8	1.6	5.0	6.7	12.9	10.8	- 5.1	
- 2.0	- 3.2	- 1.1	- 2.8	- 4.0	- 4.3	- 3.5	- 0.1	1.6	7.8	5.7		

PRESIÓN ATMOSFÉRICA

en mm. de Hg. al nivel del Observatorio: 700 mm.+ ...

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	59.4	54.3	52.7	52.0	51.4	51.3	51.5	52.2	52.0	51.8	50.9	49.8	49.1	48.1	43.8
2	51.4	51.3	52.0	52.3	52.4	53.8	55.6	57.4	58.7	59.9	60.6	61.2	61.5	62.1	62.9
3	67.5	67.6	67.6	67.5	67.6	68.2	68.5	68.9	69.3	69.4	69.3	69.1	68.7	68.2	68.0
4	63.8	67.8	67.3	66.9	67.1	67.5	67.6	68.2	68.4	68.4	68.2	67.6	67.0	67.0	66.7
5	68.1	67.9	67.4	67.6	67.6	67.8	68.2	68.4	68.4	68.8	68.7	68.3	67.2	67.0	66.7
6	65.7	65.4	64.6	64.0	64.4	64.3	64.7	65.2	65.1	64.9	64.6	63.6	63.4	62.9	62.3
7	60.8	60.8	60.6	60.6	60.4	60.5	60.6	60.8	60.6	60.1	59.8	59.0	58.1	57.4	57.3
8	57.2	57.4	57.1	57.2	57.4	57.3	57.6	57.8	58.1	58.4	58.1	57.7	57.3	57.0	57.1
9	61.3	61.8	61.9	61.9	62.0	62.3	62.8	63.0	63.0	63.4	63.2	63.0	62.7	62.2	62.0
10	63.0	62.7	62.4	62.3	62.2	62.1	62.1	62.0	62.0	61.8	61.6	61.2	60.4	59.8	59.7
11	58.7	58.6	58.3	58.1	57.9	57.8	58.0	58.2	58.3	58.3	57.9	57.0	56.7	56.2	55.9
12	56.9	56.7	56.6	56.4	56.4	56.5	56.8	57.0	57.1	57.1	56.9	56.6	55.8	56.0	56.0
13	61.3	61.3	61.7	61.9	62.7	63.2	63.5	64.4	65.2	64.9	65.2	65.0	65.1	65.2	65.5
14	69.3	68.8	68.5	68.3	68.6	68.7	69.2	69.2	69.4	69.4	69.5	69.4	69.0	68.6	68.4
15	68.2	68.0	67.9	67.4	67.3	67.2	67.9	68.2	68.1	68.2	67.9	67.3	66.2	65.4	65.1
16	64.5	64.3	63.9	63.6	63.2	63.4	63.5	63.6	63.7	63.6	63.4	62.8	61.8	61.2	60.9
17	61.6	61.4	61.2	61.1	61.2	61.5	61.6	61.8	62.1	62.1	62.0	61.2	60.7	60.4	60.3
18	60.5	60.2	59.6	60.0	60.1	60.0	60.2	60.3	60.4	60.2	60.2	59.7	59.2	58.6	58.2
19	59.5	59.5	59.5	59.7	60.1	60.2	60.8	61.5	61.8	62.1	62.0	61.8	61.4	60.8	60.9
20	63.6	63.8	63.7	63.5	63.3	63.9	64.4	64.7	64.8	65.0	65.2	65.1	64.8	63.9	63.8
21	64.1	63.9	63.3	63.9	63.2	63.3	63.4	63.4	63.4	63.4	63.1	62.8	62.0	61.4	61.2
22	61.5	61.5	61.3	61.4	61.3	61.3	61.4	61.4	61.3	61.3	61.0	60.3	59.5	58.7	58.1
23	57.8	57.5	57.5	57.4	57.5	57.7	58.0	58.5	58.5	58.3	58.1	56.8	55.8	55.6	55.5
24	56.7	56.7	56.8	56.9	57.1	57.4	57.3	57.4	57.0	56.8	56.1	55.2	54.6	53.6	53.0
25	53.7	53.3	52.7	52.3	52.0	52.1	52.2	52.2	52.6	52.9	52.7	52.3	51.6	51.1	51.0
26	53.7	53.6	54.1	54.4	55.5	55.7	56.1	57.0	57.0	56.4	56.8	57.1	57.5	57.5	58.2
27	63.0	62.7	62.6	62.1	62.0	62.6	63.8	64.1	64.9	65.0	65.4	65.6	64.8	64.8	65.3
28	68.7	68.3	68.0	68.0	67.9	68.0	68.2	68.6	68.4	68.3	67.9	66.9	65.9	65.0	64.6
29	63.6	63.2	62.7	63.1	63.3	63.9	64.5	64.7	65.0	65.4	65.6	65.4	65.1	64.8	64.7
30	65.4	64.9	64.5	64.4	64.5	64.5	64.4	64.4	64.2	64.1	63.7	63.0	62.3	61.6	61.3
31	62.2	62.0	61.6	61.6	61.8	62.0	62.2	62.4	62.8	63.0	63.0	62.6	61.7	61.1	60.8
Prom	61.7	61.5	61.3	61.2	61.3	61.5	61.8	62.2	62.3	62.3	62.2	61.8	61.2	60.8	60.6

TEMPERATURA DEL AIRE

a la sombra en grados C.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	13.8	13.8	14.1	14.1	14.7	14.6	14.2	14.0	12.9	12.5	12.6	12.5	12.4	12.4	12.8
2	8.2	8.1	8.1	7.9	7.8	7.6	7.5	6.8	7.1	7.8	8.1	8.7	9.5	9.2	9.0
3	2.0	1.5	1.1	0.8	0.5	0.4	0.2	1.1	2.9	5.6	7.1	8.6	9.2	9.2	9.5
4	2.6	3.0	3.1	3.3	3.3	3.7	3.7	5.2	6.8	8.5	9.2	10.6	10.5	10.4	9.4
5	3.4	3.4	3.5	3.4	2.9	2.8	2.8	4.6	8.3	9.6	11.8	13.1	14.1	13.8	13.5
6	7.4	6.7	7.2	7.2	6.1	5.9	5.9	6.7	9.9	12.3	14.4	16.6	17.5	18.9	17.7
7	11.6	11.0	11.4	11.3	11.0	10.9	11.0	12.0	14.4	16.7	19.9	21.6	23.0	24.4	24.0
8	17.8	17.8	16.9	16.6	16.5	16.7	16.6	16.9	17.2	18.1	20.0	21.5	23.0	23.7	23.8
9	16.7	16.6	15.8	14.8	14.0	13.3	13.1	13.1	13.2	14.5	15.9	15.9	16.3	16.3	16.4
10	11.9	11.9	11.9	12.1	12.5	12.7	12.9	13.7	14.7	15.6	16.0	19.0	20.8	20.6	20.8
11	18.1	17.8	17.3	16.4	16.4	16.3	15.9	16.8	18.8	21.1	23.3	24.5	25.7	26.0	26.0
12	17.5	17.3	16.9	16.8	16.5	16.4	16.4	16.8	19.0	20.8	23.3	24.4	25.5	26.3	25.9
13	11.9	12.0	11.4	11.5	12.3	12.0	10.9	10.5	10.5	10.4	10.2	9.6	9.2	9.2	9.2
14	6.8	6.7	6.2	6.2	6.3	6.4	6.6	7.2	7.2	7.4	8.2	9.5	10.5	11.1	11.7
15	1.4	1.6	0.9	- 0.2	- 0.3	- 0.5	- 0.6	3.9	8.1	11.1	12.9	13.4	14.2	14.4	15.0
16	4.5	4.2	4.0	3.9	3.8	3.6	3.1	5.9	8.8	11.8	14.1	15.6	17.1	17.5	17.7
17	6.8	6.8	6.6	5.7	4.8	4.5	3.6	7.2	11.7	14.7	16.5	18.0	18.5	19.3	19.5
18	10.5	9.9	10.0	8.9	8.5	7.5	7.7	11.1	14.1	15.8	17.0	17.4	16.5	15.9	16.5
19	14.1	13.6	12.9	12.3	11.6	10.9	10.4	12.2	14.1	16.7	19.1	19.7	20.2	20.0	20.3
20	8.9	9.9	9.5	9.0	8.2	7.6	7.2	9.2	11.4	13.9	14.6	16.4	17.8	18.7	18.8
21	8.1	7.9	8.0	7.9	8.0	7.8	8.0	11.2	13.4	16.5	18.8	19.6	20.4	21.0	21.2
22	10.4	9.8	9.3	8.5	8.2	8.0	8.1	12.3	15.2	18.1	20.6	22.2	22.4	23.5	23.1
23	13.9	13.5	12.6	12.0	11.1	10.3	10.0	12.5	15.6	18.3	20.2	22.9	24.5	24.4	24.4
24	15.2	16.1	15.4	14.4	14.0	13.4	14.3	16.3	18.5	21.6	23.7	24.5	24.6	25.4	25.4
25	18.4	18.4	18.4	18.4	18.4	18.3	17.9	18.9	19.7	21.9	22.8	22.8	22.6	23.3	21.6
26	11.6	11.2	11.2	10.0	7.9	7.1	7.5	7.6	8.4	10.2	10.1	10.5	10.9	10.9	9.6
27	7.0	7.0	7.0	7.0	6.9	6.9	6.8	7.2	7.4	7.4	7.7	8.1	8.3	8.4	8.3
28	- 0.1	- 1.0	- 1.6	- 1.5	- 2.0	- 2.4	- 2.7	1.4	6.1	8.5	10.6	12.5	13.6	14.3	14.6
29	8.2	7.6	7.0	6.5	6.1	5.0	4.6	7.5	8.9	10.2	10.8	12.3	13.6	14.2	14.6
30	5.3	5.0	5.2	4.9	4.2	4.1	4.6	8.6	11.6	14.0	16.2	18.4	19.6	20.5	20.9
31	9.8	9.4	9.0	8.5	8.3	8.4	9.2	11.7	14.5	16.9	18.9	20.2	21.2	21.8	21.8
Prom	9.8	9.6	9.4	9.0	8.6	8.4	8.3	10.0	11.9	13.8	15.3	16.5	17.2	17.6	17.5

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
47.0	46.6	48.8	48.1	47.0	49.3	49.8	50.6	51.0	55.8	0	46.5	16-17	9.3	750.3 mm.	1000.4 mb.
63.5	64.3	65.1	66.0	66.1	66.5	66.8	67.1	67.5	67.5	24	51.0	0	16.5	60.2	1013.6
67.7	67.4	67.5	67.7	68.2	68.1	68.1	68.4	68.3	69.5	9-10	67.4	17	2.1	68.2	1024.2
66.5	66.4	67.8	68.3	68.2	67.7	67.7	68.0	68.1	68.4	9,10	66.2	17-18	2.2	67.6	1023.4
66.5	66.1	66.2	66.2	66.2	66.0	66.1	66.2	65.9	68.8	10	65.9	24	2.9	67.2	1022.9
62.0	61.6	61.5	61.6	61.5	61.4	61.2	61.2	61.1	65.9	0	61.1	24	4.8	63.3	1017.7
57.2	57.0	57.4	57.6	57.2	57.2	57.5	57.4	57.4	61.1	0	57.0	17	4.1	58.9	1011.8
57.1	57.6	58.1	58.8	59.0	59.3	59.6	60.1	60.6	60.6	24	57.0	14	3.6	58.0	1010.6
62.4	62.9	63.1	63.3	63.0	62.8	63.2	63.3	63.2	63.5	9-10	60.6	0	2.9	62.6	1016.8
59.5	59.4	59.4	59.0	59.1	59.0	59.0	58.8	58.7	63.2	0	58.7	24	4.5	60.7	1014.2
55.4	55.3	55.3	55.4	55.8	56.1	56.5	56.6	56.7	58.8	1-2	55.2	18-19	3.6	57.0	1009.3
56.0	56.0	56.5	57.4	58.6	59.4	59.7	60.3	60.8	60.8	24	55.7	13-14	5.1	57.2	1009.6
66.0	66.3	67.2	67.4	68.3	68.6	69.2	68.9	69.1	70.0	23-24	60.8	0	9.2	65.3	1020.4
68.2	68.2	68.4	68.5	68.6	68.6	68.7	68.3	68.2	69.7	10-11	68.1	15-16	1.6	68.8	1025.0
65.2	65.1	65.0	64.8	64.7	64.8	64.8	64.7	64.5	68.2	varios	64.4	23-24	3.8	66.4	1021.8
60.8	61.0	61.1	61.2	61.3	61.3	61.3	61.3	61.4	64.5	0,1	60.8	16	3.7	62.4	1016.5
60.2	60.3	60.4	60.6	60.6	60.6	60.8	60.6	60.3	62.2	9-10	60.1	15-16	2.1	61.0	1014.6
58.0	58.2	58.5	58.9	59.2	59.5	59.7	59.7	59.7	60.6	0-1	58.0	16	2.6	59.5	1012.6
61.0	61.3	62.0	63.0	63.4	63.5	63.6	63.9	63.7	63.9	23	59.4	0-1	4.5	61.5	1015.3
63.8	63.9	63.9	64.4	64.2	64.5	64.2	64.2	64.3	65.4	11-12	53.3	5	12.1	64.2	1018.9
61.1	61.0	61.1	61.2	61.5	61.4	61.5	61.6	61.5	64.3	0	61.0	17	3.3	62.4	1016.5
57.8	57.5	57.7	57.9	57.9	57.9	58.0	57.8	57.9	61.5	0,1,2	57.4	17-18	4.1	59.6	1012.8
55.5	55.8	56.0	56.1	56.5	56.5	56.5	56.5	56.8	58.5	8,9	55.5	15,16	3.0	57.0	1009.3
52.9	52.9	52.9	53.2	53.6	53.6	53.7	53.7	53.7	57.4	6,8	52.9	16,17,18	4.5	55.1	1006.8
51.4	51.7	52.4	53.2	53.8	54.2	54.3	54.3	53.9	54.4	22-23	50.9	14-15	3.5	52.7	1003.6
58.5	59.0	59.6	60.8	61.2	61.9	63.9	62.4	62.7	63.9	22	53.4	1-2	10.5	57.9	1010.5
65.7	66.3	66.9	67.5	67.8	68.3	68.4	68.6	68.8	68.8	24	62.0	5	6.8	65.3	1020.4
64.4	64.1	63.9	63.8	63.8	63.7	63.4	63.2	63.3	68.8	0	63.2	23	5.6	66.1	1021.4
64.6	64.8	65.3	65.8	66.0	66.2	65.9	65.5	65.5	66.2	21	62.6	3-4	3.6	64.8	1019.7
61.1	61.2	61.3	61.5	61.7	62.1	62.3	62.3	62.3	65.5	0	61.1	16	4.4	63.0	1017.3
60.6	60.5	60.7	60.8	60.8	61.0	61.1	61.1	61.0	63.2	9-10	60.5	17	2.7	61.6	1015.4
60.6	60.6	61.0	61.3	61.4	61.6	61.8	61.8	61.9	63.9		59.0		4.9	61.5	1015.3

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
13.1	13.2	13.6	13.3	12.3	12.3	10.6	9.9	9.1	14.7	5,6-7	9.1	24	5.6	12.9
9.3	8.4	6.9	5.3	4.9	4.9	3.8	3.6	2.7	9.5	13	2.7	24	6.8	7.1
8.8	7.8	6.2	5.0	4.3	3.5	2.7	2.4	1.9	10.0	13-14	0.2	7	9.8	4.3
10.0	9.1	7.5	5.3	3.8	2.9	3.2	2.7	3.3	11.0	13-14	1.9	0	9.1	5.9
13.3	12.0	9.4	8.9	8.5	8.7	8.7	7.9	7.5	14.0	14-15	2.8	6,7	11.2	8.2
16.9	14.9	13.4	11.8	11.5	12.1	12.2	12.2	11.6	18.9	14	5.9	6,7	13.0	11.5
23.2	21.5	19.8	19.0	18.4	18.1	18.0	18.5	18.3	24.4	14	10.0	6	13.5	17.0
23.7	20.6	19.4	18.3	17.6	17.6	16.9	16.4	16.5	24.0	14-15	16.5	5	7.5	18.8
16.3	15.8	14.0	13.2	12.9	12.7	12.6	12.5	12.3	16.5	13-14	12.3	24	4.2	14.5
19.8	18.4	17.4	17.4	17.5	18.0	18.1	18.0	17.9	20.8	13	11.9	1,2,3	8.9	16.2
25.2	23.4	21.7	20.4	19.4	18.9	18.4	18.4	17.7	26.2	14-15	15.9	7	10.3	20.2
24.8	22.2	21.1	19.9	17.2	13.7	12.2	11.9	11.7	26.3	14	11.7	24	14.6	18.9
8.8	8.5	7.8	7.8	7.8	7.3	7.0	6.8	6.8	12.3	5	6.8	23-24	5.5	9.6
11.9	11.0	7.9	6.1	4.8	3.3	2.8	2.3	1.3	11.9	16	6.2	3,4	5.7	7.0
14.9	13.5	10.2	8.8	7.5	6.9	6.5	5.8	5.0	15.0	15	- 0.6	7	15.6	7.3
17.4	16.0	13.0	10.8	9.1	8.2	8.3	7.9	6.6	17.7	15	3.0	6-7	14.7	9.7
17.4	15.8	12.6	10.6	9.6	9.1	8.9	9.6	10.5	19.6	14-15	3.6	7	16.0	11.2
16.6	15.7	14.5	14.0	13.8	13.6	13.6	14.7	14.5	17.5	12-13	6.8	6-7	10.7	13.3
20.1	19.0	15.5	14.2	12.4	11.1	10.2	9.7	9.0	20.5	13-14	10.4	7	10.1	14.6
18.5	16.7	12.9	10.6	8.7	8.5	7.7	7.9	8.1	19.0	14-15	7.1	6-7	11.9	11.7
21.0	19.0	16.7	14.7	13.7	13.1	12.0	11.4	11.1	21.2	15	7.8	6	13.4	13.8
22.4	20.6	18.2	17.7	17.0	15.9	15.7	15.1	14.4	23.5	14	7.7	6-7	15.8	15.7
23.8	21.8	18.7	18.6	17.8	18.0	17.4	16.8	16.2	24.5	13	9.9	6-7	14.6	17.3
24.8	23.3	21.6	20.4	19.9	19.9	18.9	18.6	18.5	25.5	13-14	13.4	6	12.1	19.5
17.1	15.0	14.0	13.4	13.2	12.9	12.5	12.0	11.8	23.8	13-14	11.8	24	12.0	17.6
8.7	8.3	8.2	7.7	7.6	7.5	7.5	7.3	7.2	11.8	0	7.1	6	4.7	9.0
8.2	7.8	6.7	5.4	4.5	3.3	2.7	1.5	0.5	8.4	14	0.5	24	7.9	6.3
14.0	13.0	9.7	9.2	8.6	8.4	8.0	7.7	8.6	14.6	15	- 2.8	6-7	17.4	6.6
14.3	13.9	10.5	7.7	6.3	5.4	5.4	5.4	5.6	14.6	15	4.4	6-7	10.2	8.8
20.7	18.5	15.7	13.9	12.6	12.2	11.7	11.1	11.5	20.9	15	4.1	6	16.8	12.1
21.0	19.2	15.9	15.0	14.3	13.2	13.1	13.0	12.6	21.8	14	8.3	6-7	13.5	14.4
17.0	15.6	13.6	12.4	11.5	11.0	10.5	10.3	10.0	18.1		7.0		11.1	12.3

HUMEDAD RELATIVA en %

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	83	82	77	74	70	68	71	76	90	96	95	96	96	95	94
2	90	86	82	79	79	80	80	77	73	68	67	61	52	59	55
3	84	87	87	87	88	87	86	85	79	72	63	60	51	50	50
4	93	82	79	72	74	73	72	71	63	57	55	48	49	48	58
5	79	81	81	81	85	86	87	87	72	67	58	54	53	53	63
6	80	83	82	82	87	88	89	90	81	72	63	54	43	42	56
7	79	79	77	76	77	77	78	76	71	68	74	61	60	59	60
8	87	88	90	93	93	93	92	90	88	87	79	72	69	66	66
9	96	86	66	63	65	72	75	77	79	76	74	74	74	71	69
10	96	97	99	100	100	99	99	98	99	99	98	88	83	82	80
11	89	90	90	92	91	90	92	88	79	67	58	52	48	47	49
12	83	83	82	81	81	80	79	80	73	67	60	57	53	52	57
13	85	84	86	89	82	87	89	85	72	72	83	92	89	86	88
14	96	96	95	95	95	95	95	95	95	91	85	79	74	65	58
15	95	88	89	91	94	97	97	80	66	57	50	46	42	42	39
16	83	82	81	83	83	83	84	75	65	58	51	49	46	47	46
17	84	84	83	85	90	92	93	83	66	58	51	45	45	45	46
18	88	81	74	78	82	84	83	82	74	64	59	63	63	71	70
19	91	92	93	95	95	94	95	93	84	74	62	50	49	50	52
20	97	96	89	88	89	92	92	86	77	74	70	54	52	50	51
21	99	99	97	95	94	93	92	87	84	74	67	63	59	57	54
22	96	97	96	96	96	95	95	81	72	64	55	47	58	42	41
23	71	70	70	73	76	77	78	71	59	53	45	37	34	33	35
24	84	81	81	84	84	86	87	75	70	62	54	51	53	54	54
25	80	78	79	77	76	78	80	79	79	73	72	72	73	72	84
26	95	95	94	95	94	90	83	89	79	69	75	76	78	80	90
27	95	96	97	97	97	97	96	90	88	87	85	79	74	67	66
28	96	97	98	98	97	98	99	89	69	57	52	45	44	45	41
29	72	78	82	86	88	89	92	70	66	67	62	57	49	47	46
30	90	90	91	91	94	95	96	79	71	62	54	50	47	43	41
31	80	80	80	80	80	80	78	67	59	51	47	41	36	37	38
Prom.	88	87	85	86	86	87	87	82	75	70	65	60	56	56	58

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	9.5	9.5	9.0	8.5	8.0	8.0	8.5	9.0	9.5	10.0	10.0	10.5	10.5	10.2	10.0
2	7.0	7.0	6.6	6.0	6.0	6.0	6.0	5.7	5.4	5.2	5.4	5.2	4.6	5.2	4.4
3	4.2	4.4	4.2	4.2	4.0	4.0	4.0	4.2	4.2	4.8	4.6	4.8	4.6	4.5	4.2
4	5.0	4.6	4.4	4.2	4.2	4.2	4.2	4.8	4.6	4.6	4.4	4.4	4.4	4.7	5.0
5	4.4	4.8	4.8	4.8	4.6	4.8	4.8	5.5	5.8	6.0	5.8	5.8	6.2	6.3	7.2
6	5.8	6.0	6.2	6.2	6.0	6.0	6.0	6.5	7.4	7.6	7.6	7.4	6.2	6.9	8.5
7	7.8	7.6	7.6	7.6	7.6	7.4	7.6	8.0	8.5	9.5	12.5	12.0	12.0	13.5	12.5
8	13.0	13.0	12.5	13.0	13.0	13.0	13.0	12.8	12.5	13.5	13.5	13.5	14.0	14.5	14.5
9	13.5	12.0	9.0	7.8	7.4	8.0	8.0	8.6	8.5	9.5	9.5	9.5	10.0	9.8	9.0
10	10.0	10.0	10.0	10.0	10.5	10.5	10.5	11.4	12.0	12.5	13.0	14.0	15.0	14.7	14.0
11	13.5	13.0	12.5	12.5	12.5	12.0	12.0	12.5	12.5	12.5	12.0	12.0	11.5	11.7	11.5
12	12.0	12.0	11.5	11.5	11.5	10.5	10.5	11.3	11.5	12.0	12.0	13.0	12.5	13.2	14.0
13	8.5	8.5	8.5	8.5	8.5	9.0	8.5	7.1	6.8	6.8	7.6	8.0	7.6	7.5	7.6
14	7.2	7.0	6.4	6.4	6.6	6.6	6.6	7.3	7.0	7.0	6.6	6.8	6.8	6.5	5.8
15	4.6	4.4	4.2	4.2	4.0	4.0	4.2	4.9	5.4	5.6	5.2	5.4	5.0	5.0	4.8
16	5.2	5.0	5.0	4.8	4.8	4.8	4.6	5.3	5.2	5.8	6.2	6.2	6.8	7.0	7.2
17	6.0	6.0	6.0	5.6	5.6	5.8	5.4	6.3	6.8	7.0	7.2	6.4	6.6	7.5	8.0
18	8.0	7.4	6.6	6.6	6.8	6.4	6.4	8.2	8.5	8.0	8.0	9.0	8.5	9.5	9.5
19	11.0	10.5	10.0	9.5	9.0	9.0	8.5	9.8	9.5	10.0	10.0	8.0	8.0	8.8	9.0
20	8.0	8.5	7.6	7.4	7.0	7.2	7.0	7.5	7.6	8.5	8.0	7.2	7.8	8.1	8.5
21	7.8	7.6	7.8	7.2	7.4	7.2	7.4	8.7	9.0	10.0	10.5	10.5	10.0	10.6	9.5
22	9.0	8.5	8.5	8.0	7.8	7.4	7.4	8.6	9.0	9.5	9.5	9.5	11.5	9.3	9.0
23	8.5	7.8	7.4	7.6	7.6	7.2	7.0	7.6	7.6	8.0	7.4	7.8	7.4	7.5	7.4
24	10.5	11.0	10.5	10.0	9.5	10.0	10.5	10.3	10.5	12.0	11.5	12.0	12.0	13.1	12.5
25	12.0	12.0	12.0	12.0	12.0	12.0	11.5	12.8	13.0	14.0	15.0	15.0	14.5	15.4	15.5
26	9.0	9.0	9.0	8.5	7.2	6.6	6.4	6.9	6.4	6.2	6.6	7.2	7.4	7.8	7.8
27	6.8	7.2	7.2	7.2	7.2	7.2	7.2	6.8	6.6	6.6	6.4	6.2	5.8	5.6	5.4
28	4.4	4.0	4.0	4.0	3.8	3.6	3.6	4.5	4.6	4.6	5.0	4.6	4.8	5.5	5.2
29	5.8	6.0	6.2	6.2	6.0	5.6	5.8	5.5	5.6	6.2	6.0	6.0	5.4	5.7	5.8
30	5.8	5.6	6.0	6.0	5.6	5.6	6.2	6.6	7.4	7.4	7.2	7.4	8.0	7.6	7.8
31	7.0	6.8	6.6	6.4	6.2	6.2	6.2	6.8	7.0	7.4	7.6	7.4	7.6	7.2	7.2
Prom.	8.1	8.0	7.7	7.5	7.4	7.3	7.3	7.8	7.9	8.3	8.4	8.5	8.5	8.7	8.7

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
95	95	94	95	95	91	87	87	88	96	12-13	67	6-7	29	87
64	55	56	66	74	75	78	80	82	91	1-2	52	13	39	72
51	65	75	83	87	91	93	94	95	95	24	48	13-14	47	77
59	57	66	80	87	90	88	87	81	95	0	45	13-14	50	70
64	67	71	71	71	72	73	78	79	87	7,8	51	14-15	36	56
59	66	77	83	86	82	80	80	81	90	8	33	14-15	57	74
64	72	76	78	81	83	86	85	84	86	22	59	14	27	74
67	80	85	88	91	92	93	94	95	95	24	64	15-16	31	85
60	61	66	78	86	90	92	93	95	96	1	59	17-18	37	76
82	87	87	87	86	87	88	89	89	100	4,5	80	15	20	92
49	55	62	69	83	85	85	83	83	92	4	47	14	45	74
68	73	81	86	86	87	86	83	83	87	21	52	14	35	75
86	84	91	86	84	91	93	94	96	96	24	72	9,10	24	86
54	59	73	77	87	92	95	92	94	96	0-1,1-2	53	16-17	43	85
39	49	64	70	75	77	76	76	83	97	7	38	14-15	59	70
48	53	66	73	80	86	80	78	84	84	7	46	13,15	38	69
61	69	79	88	89	92	82	74	81	94	7-8	45	14	49	74
67	70	76	82	83	87	92	88	85	92	22	59	11	33	77
54	62	74	79	88	94	96	96	97	95	7	49	13	46	79
49	60	78	88	92	96	96	98	99	98	1-2	49	16	49	80
55	59	67	77	83	86	89	92	93	99	1-2	54	15	45	80
47	52	61	65	67	74	75	73	73	97	2	40	14-15	57	72
39	44	54	57	62	65	70	76	79	79	6-7	33	14	46	60
54	60	65	70	74	74	81	80	80	87	7	51	12	36	71
91	91	91	91	90	90	91	94	94	94	23,24	70	13-14	24	82
93	88	92	93	94	94	94	92	94	97	21-22	69	10	28	88
67	70	71	79	81	83	85	90	96	97	varios	64	14-15	33	85
42	48	62	71	75	77	78	79	72	99	7	40	15-16	59	72
45	48	66	81	88	94	93	95	93	95	23	45	16	50	73
41	46	65	71	74	74	77	77	80	96	7	41	15,16	55	71
42	50	62	61	62	68	69	71	71	80	5,6	35	13-14	45	62
60	64	72	78	82	84	85	85	86	93		52		41	76

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
10.0	10.5	10.5	10.5	10.2	9.5	8.0	7.8	7.4	10.5	varios	7.4	24	3.1	9.4
5.4	4.2	4.2	4.4	4.8	4.6	4.6	4.6	4.4	7.0	1,2	4.2	17,18	2.8	5.3
4.4	4.8	5.0	5.4	5.4	5.4	5.0	5.0	4.8	5.4	19,20,21	4.0	5,6,7	1.4	4.6
5.2	5.0	5.2	5.0	5.2	4.8	5.0	4.8	4.6	5.2	16,18,20	4.2	varios	1.0	4.7
7.0	7.0	6.4	6.0	5.9	6.0	6.0	6.0	6.0	7.2	15	4.4	1	2.8	5.8
8.0	8.5	8.5	8.5	8.8	8.5	8.0	8.0	8.0	8.8	20	5.8	1	3.0	7.3
13.0	13.5	13.0	12.5	12.7	12.5	13.5	13.0	12.5	13.5	14,17,22	7.4	6	6.1	10.8
14.5	14.0	13.5	13.5	13.6	13.5	13.0	12.5	13.0	14.5	14,15,16	12.5	3,9,23	2.0	13.4
7.8	8.0	8.0	8.5	9.6	9.5	10.0	10.0	10.0	13.5	1	7.4	5	6.1	9.2
14.0	13.5	12.5	12.5	12.8	13.0	13.5	13.0	13.0	15.0	13	10.0	varios	5.0	12.3
11.0	11.0	12.0	12.0	13.9	13.0	13.0	13.0	12.0	13.5	1	11.0	16,17	2.5	12.3
15.5	14.5	15.0	15.0	12.5	10.0	9.0	8.5	8.0	15.5	16	8.0	24	7.5	12.0
7.4	6.8	7.2	6.8	6.7	7.0	6.8	6.8	7.2	9.0	6	6.7	20	2.3	7.6
5.4	5.6	5.6	5.4	5.6	5.2	5.0	5.0	4.6	7.3	8	4.6	24	2.7	6.2
4.6	5.4	5.8	5.6	5.8	5.6	5.6	5.2	5.2	5.8	18,20	4.0	5,6	1.8	5.0
7.0	7.0	7.6	7.0	7.3	7.0	6.2	6.0	6.0	7.6	18	4.6	7	3.0	6.0
9.0	9.0	8.0	8.0	8.0	7.8	7.0	6.4	7.8	9.0	16,17	5.4	7	3.6	7.0
9.5	9.0	9.5	9.5	9.8	10.0	10.5	10.5	10.0	10.5	22,23	6.4	6,7	4.1	8.6
9.0	10.0	9.5	9.0	9.5	9.0	9.0	8.5	8.0	11.0	1	8.0	12,13,24	3.0	9.2
7.4	8.0	8.5	8.0	7.7	8.0	7.6	7.6	7.8	8.5	varios	7.0	5,7	1.5	7.8
9.5	9.0	9.5	9.5	9.7	9.5	9.0	9.0	9.0	10.6	14	7.2	4,6	3.4	9.0
9.5	9.5	9.5	9.0	9.7	9.5	9.5	9.0	8.5	11.5	13	7.4	6,7	4.1	9.0
8.0	8.0	8.0	9.0	9.4	9.5	10.0	11.0	10.5	11.0	23	7.0	7	4.0	8.2
12.0	12.0	12.0	12.0	12.8	12.5	13.0	12.0	12.0	13.1	14	9.5	5	3.6	11.5
13.0	11.5	11.0	10.5	10.2	9.5	10.0	9.5	9.5	15.5	15	9.5	21,23,24	6.0	12.2
7.6	7.0	7.4	7.2	7.4	7.0	7.0	7.0	7.0	9.0	1,2,3	6.2	10	2.8	7.4
5.4	5.2	5.2	5.2	5.2	4.6	4.4	4.4	4.6	7.2	varios	4.4	22,23	2.8	6.0
5.0	5.2	5.6	6.2	6.2	6.2	6.2	6.0	6.0	6.2	varios	3.6	6,7	2.6	5.0
5.0	5.6	6.4	6.4	6.3	6.2	6.2	6.2	6.2	6.4	18,19	5.0	16	1.4	5.9
7.6	7.4	8.0	8.5	8.0	7.6	7.8	7.6	7.8	8.5	19	5.6	2,5,6	2.9	7.1
7.8	7.8	8.0	7.8	7.6	7.6	7.6	8.0	7.8	8.0	18,23	6.2	6,7	1.8	7.2
8.6	8.5	8.6	8.5	8.7	8.4	8.3	8.1	8.0	9.9		6.6		3.3	8.2

VIENTO: DIRECCIÓN Y VELOCIDAD: PREVALENCIAS

HORAS	0 — 1		1 — 2		2 — 3		3 — 4		4 — 5		5 — 6		6 — 7		7 — 8		8 — 9		9 — 10		10 — 11		11 — 12		12 — 13		13 — 14		14 — 15	
DÍAS	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.
1	S	21	SE	20	SE	22	S	23	S	24	SE	12	SE	7	S	6	S	6	SE	8	SE	10	SE	6	SE	5	SE	7	E	8
2	SW	15	SW	20	SW	20	SW	23	SW	18	SW	19	SW	18	SW	17	SW	23	SW	25	SW	22	SW	20	SW	22	SW	25	SW	24
3	SE	5	SW	5	SW	5	SE	4	SW	3	W	3	Calma	0	Calma	0	SW	5	SW	6	SW	5	S	4	S	5	S	6	S	3
4	Calma	1	Calma	0	Calma	.	Calma	1	N	2	NE	4	NE	7	NE	5	NE	13	NE	12	NE	13	NE	11	NE	14	NE	5	NE	6
5	Calma	1	Calma	1	Calma	1	Calma	0	Calma	0	Calma	0	Calma	1	Calma	0	NE	10	NE	10	NE	11	NE	12	NE	11	NE	14	E	14
6	NE	17	NE	15	NE	16	NE	21	NE	11	NE	9	NE	11	NE	8	N	17	N	10	N	22	N	25	N	14	NE	11	E	12
7	NE	14	NE	14	NE	13	NE	13	NE	11	NE	11	NE	11	NE	12	NE	17	NE	19	N	24	N	21	N	15	NW	20	NW	25
8	N	15	N	19	NW	11	N	10	NE	10	NE	12	NE	10	NE	13	W	13	NW	5	NW	7	NW	8	NW	6	NW	9	NW	8
9	SE	8	SE	10	SE	10	SE	10	SE	8	SE	8	SE	7	SE	8	SE	8	SE	8	SE	13	E	13	SE	12	SE	11	E	13
10	E	8	E	10	E	12	E	9	SE	10	E	9	E	10	E	12	NE	14	NE	18	NE	12	NE	10	E	8	E	12	E	11
11	NE	17	NE	13	NE	15	NE	15	NE	17	NE	17	NE	17	NE	18	NE	23	NE	27	NE	30	NE	27	NE	27	NE	27	NE	23
12	NE	17	NE	16	NE	16	NE	16	NE	19	NE	21	NE	22	NE	21	NE	22	N	26	N	27	NW	25	NW	22	NW	19	NW	3
13	SE	11	SE	12	SE	15	SE	17	SE	17	SE	18	SE	16	SE	14	SE	17	SE	15	SE	14	SE	14	SE	13	SE	11	SE	11
14	SE	3	SE	2	SE	4	Calma	1	Calma	0	Calma	0	Calma	1	Calma	0	Calma	0	Calma	1	S	5	S	4	S	5	S	4	Calma	1
15	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	NW	2	NW	4	NW	8	NW	8	NW	8	NW	9	NW	11
16	NW	6	NW	7	NW	8	NW	10	NW	12	NW	12	NW	10	NW	13	NW	9	NW	9	NW	10	NW	16	NW	14	NW	17	NW	16
17	NW	8	NW	8	NW	9	NW	9	NW	9	NW	5	Calma	1	NW	3	NW	5	NW	5	NW	6	NW	6	NW	7	NW	7	NW	7
18	NE	6	NE	4	NE	3	NE	6	NE	4	NE	3	NE	6	NE	7	NE	11	NE	14	NE	9	E	8	E	7	E	8	E	7
19	NE	6	E	6	NE	4	NW	4	W	3	SW	3	S	2	S	3	SW	4	SW	7	SW	9	SW	10	SW	10	SW	8	SW	7
20	SW	2	SW	5	SW	4	SW	3	SW	2	SW	3	SW	2	SE	2	SE	4	Calma	1	SW	3	SW	5	SW	7	SW	5	W	5
21	NW	3	NW	6	NW	6	NW	7	NW	6	NW	8	NW	7	NW	7	NW	12	NW	14	NW	17	NW	20	NW	18	NW	16	NW	14
22	NE	3	NE	5	NE	4	N	6	N	5	N	6	NW	5	NW	5	NW	8	N	10	NE	12	NE	18	NE	18	NE	15	E	10
23	NE	16	NE	18	NE	16	NE	16	NE	14	NE	14	NE	14	NE	17	N	20	N	24	N	24	N	25	NE	30	NE	26	N	21
24	NE	10	NE	11	NE	12	NE	9	NE	11	NE	10	NE	15	NE	15	NE	17	NE	16	NE	21	NE	29	N	34	N	26	NE	21
25	NE	14	NE	13	NE	15	NE	15	NE	16	NE	18	NE	18	NE	18	N	17	NW	13	W	6	NW	5	NW	11	NW	8	Calma	1
26	SE	16	SE	16	SE	16	SE	20	SE	23	SE	27	SE	23	SE	18	SE	21	SE	20	SE	20	SE	20	SE	14	SE	15	SE	13
27	SE	16	SE	11	SE	11	SE	13	SE	15	SE	14	SE	16	SE	15	SE	10	SE	16	SE	15	S	20	S	17	S	21	S	17
28	SW	2	W	17	W	17	W	13	W	7	W	6	W	6	NW	3	NW	13	NW	15	NW	13	NW	14	NW	14	NW	13	NW	13
29	NW	6	NW	5	W	2	W	5	W	3	W	3	Calma	1	SW	2	SW	10	SW	9	SW	9	SW	5	SW	8	SW	6	SW	5
30	NE	10	NE	9	N	10	N	10	NW	10	NE	9	NW	9	NW	16	NW	18	NW	24	NW	23	NW	23	NW	21	NW	22	NW	25
31	NW	15	NW	15	NW	14	NW	12	NW	11	NW	12	NW	16	NW	17	NW	23	NW	24	NW	22	NW	21	NW	18	NW	20	NW	20
DIRECCION PREVALENTE	NE		NE		NE		NE		NE		NE		SE		NE		NE-NW		NW		NW		NE		NE		NW		W	
NUMERO DE HORAS	11		10		10		9		10		10		10		10		9		9		5		10		10		13		4	
PROM. HOR. DE LA VELOCIDAD		10		10		10		10		10		10		9		10		13		14						6		11		

15 – 16		16 – 17		17 – 18		18 – 19		19 – 20		20 – 21		21 – 22		22 – 23		23 – 24		PREVALENCIA DIARIA		PROMEDIO DIARIO DE VELOCIDAD	VELOCIDAD INSTANTÁNEA		
DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIRECCIÓN	NÚMERO DE HORAS		VELOCIDAD	DIRECCIÓN	HORA
E	14	E	6	SE	5	SW	7	SW	12	SW	12	SW	18	SW	15	SW	15	SE	10	12	37	N	5.03
SW	18	SW	16	SW	17	SW	5	SW	7	SW	10	SW	7	SW	7	SW	5	SW	24	16	52	SW	3.24
[illegible]	2	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	Calma	0	Calma	0	Calma	10	2	13	SW	8.32
NE	7	NE	7	NE	4	Calma	1	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	NE	14	5	26	NE	12.12
E	17	NE	14	NE	9	NE	10	NE	10	NE	11	NE	15	NE	14	NE	14	NE	14	8	19	E	14.39
E	10	E	10	NE	10	E	12	E	9	NE	11	NE	14	NE	15	NE	14	NE	14	14	30	N	11.24
NW	15	NE	9	NE	10	NE	9	NE	12	NE	13	NE	16	NE	14	N	18	NE	17	15	39	NW	15.04
NW	7	E	8	E	3	Calma	0	SE	3	SE	3	SE	3	SE	5	SE	4	NW	8	8	22	N	1.16
SE	14	E	13	E	10	E	16	E	17	E	13	E	14	E	15	E	13	SE	14	11	29	E	17.40
E	14	E	9	E	12	E	10	E	10	NE	13	NE	15	NE	18	NE	15	E	14	12	20	NE	23.01
NE	20	NE	13	NE	14	NE	12	NE	17	NE	15	NE	15	NE	16	NE	15	NE	24	18	42	NE	10.40
Calma	0	SE	2	SE	3	SE	6	SE	9	SE	14	SE	14	SE	15	SE	14	NE	9	15	39	N	10.38
SE	14	SE	13	SE	13	SE	13	SE	13	SE	12	SE	10	SE	9	SE	4	SE	24	13	39	SE	5.06
Calma	1	Calma	1	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	17	1	16	S	10.30
NW	12	NW	7	NW	5	NW	5	NW	6	NW	6	NW	7	NW	6	NW	6	NW	15	4	20	NW	13.01
NW	15	NW	9	NW	4	NW	4	NW	2	NW	3	NW	5	NW	7	NW	6	NW	24	9	30	NW	13.45
NW	7	E	2	Calma	0	Calma	1	Calma	0	NE	2	NE	5	NE	6	NE	7	NW	15	5	12	NW	13.48
E	9	E	6	E	4	E	2	Calma	1	NE	3	NE	6	NE	7	NE	14	NE	15	7	18	NE	23.43
SW	5	SW	3	Calma	1	Calma	0	Calma	0	Calma	0	Calma	0	SW	3	Calma	1	SW	11	3		SW	12.06
W	3	SW	3	Calma	0	Calma	0	Calma	0	Calma	1	Calma	1	N	4	N	2	SW	13	3	22	SW	12.37
NW	16	NW	11	NW	7	NW	6	NW	6	NW	5	NW	4	NW	5	NW	5	NW	24	9	30	NW	11.55
NE	20	NE	17	NE	11	NE	11	NE	17	NE	16	NE	15	NE	18	NE	15	NE	17	12	31	NE	14.56
N	19	NE	15	NE	9	NE	10	NE	10	NE	12	NE	9	NE	12	NE	11	NE	18	17	45	NE	12.08
NE	18	NE	15	NE	11	NE	7	NE	10	NE	11	NE	15	NE	14	NE	16	NE	22	16	46	N	12.06
S	8	SE	12	SE	11	SE	12	SE	11	SE	13	SE	13	SE	13	SE	14	NE SE	8	12	25	SW	20.45
SE	18	SE	18	SE	20	SE	17	SE	18	SE	18	SE	19	SE	18	SE	17	SE	24	19	54	SE	9.28
S	20	S	15	S	13	SW	12	SW	18	SW	17	SW	18	SW	20	SW	20	SE	11	16	33	SE	6.23
NW	10	NW	9	NW	7	NW	4	NW	3	NW	3	NW	3	NW	2	NW	4	NW	17	10	30	NW	15.59
SW	6	SW	2	Calma	1	Calma	0	Calma	0	Calma	0	NE	3	NE	5	NE	9	SW	10	4	33	NW	1.17
NW	17	NW	13	NW	11	NW	13	NW	9	NW	11	NW	13	NW	15	NW	14	NW	20	15	39	NW	13.56
NE	21	NW	18	NW	9	NE	9	NE	13	NE	14	N	14	N	18	N	16	NW	18	16	36	NW	10.20
NW		NW-L		NE		Calma		Calma		NE		NE		NE		NE		PREVALENCIA MENSUAL		VELOCIDAD MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		Dirección	Horas		36 Km.		
4		7		8		8		8		11		11		11		10		NE	198	11	DIRECCIÓN	DÍA	HORA
	17		10		7		7		8		8		9		10		10				N	24	de 12.05 a 12.10

FRECUENCIAS, KILÓMETROS RECORRIDOS Y VELOCIDAD MEDIA POR DIRECCIÓN

DÍAS	NORTE		NORESTE		ESTE		SUDESTE		SUD		SUDOESTE		OESTE		NOROESTE		Calma	TOTALES DIARIOS DE KILÓMETROS
	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	
1					3	26	10	102	5	79	6	79						286
2											24	398						398
3							1	2	4	18	8	38	1	3			10	62
4			14	110													10	114
5			14	165	2	31											8	200
6	5	88	14	183	5	53												324
7	4	78	17	217											3	60		355
8	3	44	4	45	2	11	5	18					1	13	8	61	1	192
9					10	137	14	135										272
10			8	115	14	146	2	20										281
11			24	423														423
12	2	53	9	170			8	77							4	69	1	369
13							24	316										316
14							3	9	4	18							17	33
15															16	109	8	109
16															24	224		224
17			4	20	1	2									15	101	4	125
18			15	108	8	51											1	160
19			2	10	1	6			2	5	11	51	1	3	1	4	6	81
20	2	6					2	6			13	49	1	3			6	67
21															24	226		226
22	4	27	17	237											3	18		282
23	6	139	18	269														408
24	2	60	22	314														374
25	1	17	8	127			8	99	1	8			1	6	4	37	1	295
26							24	453										453
27							11	152	7	123	6	105						380
28											1	21	6	66	17	143		230
29			3	17							10	63	4	13	2	11	5	106
30	2	20	2	19											20	316		355
31	3	48	3	36											18	308		392
SUMAS	34	580	198	2585	46	463	112	1389	23	251	79	804	15	107	159	1687	78	7892
% PREVAL POR VELOCIDAD	7.3		32.8		5.9		17.6		3.2		10.2		1.4		21.4		0.3	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	17		13		10		12		11		10		7		11		0	255

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	1	11	1	5	1	4		5	3
1 - 2	1	10	1	7		3	1	5	3
2 - 3	1	10	1	6		3	2	5	3
3 - 4	3	8	1	4	1	3	2	5	4
4 - 5	1	10		5	1	3	3	5	3
5 - 6	1	10	1	5		3	3	5	3
6 - 7		10	1	5	1	2	1	5	6
7 - 8		10	1	5	2	2		7	4
8 - 9	3	8		5	1	4	1	8	1
9 - 10	4	7		5		4		9	2
10 - 11	4	7		5	1	5	1	8	
11 - 12	3	6	2	3	3	4		10	
12 - 13	3	5	2	4	3	4		10	
13 - 14	1	6	2	4	3	4		11	
14 - 15	1	4	6	2	2	4		10	2
15 - 16	1	4	5	4	2	3	1	9	2
16 - 17		7	7	4	1	4		6	2
17 - 18		8	4	5	1	1		6	6
18 - 19		7	4	4		3		5	8
19 - 20		7	3	5		3		5	8
20 - 21		11	1	5		3		5	6
21 - 22	1	11	1	5		3		5	5
22 - 23	2	11	1	5		4		5	3
23 - 24	3	10	1	5		3		5	4
SUMAS	34	198	46	112	23	79	15	159	78
% de frec. por dirección	4.5	26.6	6.2	15.0	3.1	10.6	2.0	21.4	10.5

NUBES. VISIBILIDAD

DÍAS	N U B E S										VISIBILIDAD		
	8h		12h		14h		18h		20h		8h	14h	20h
	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	90 - 99		
1	Fst	8	Ns	8	Fst	8	Ns	8	Ns	8	97	95	99
2	Fst	7	Sc 6 Fst 2	8	Sc 4 Fs 2	6	Claro	0	Claro	0	9	8	8
3	Ac	1	Claro	0	Cu	2	Claro	0	Claro	0	9	8	6
4	Ci	6	Cs	7	As	7	Claro	0	Claro	0	9	9	9
5	Ci	1	Ci	1	Co	7	Claro	0	Claro	0	7	8	8
6	Ci	7	Cs	8	Cs	8	Ci	1	Claro	0	7	7	8
7	Cs	8	Cs	7	Cs	8	Ci	8	Cs	8	7	5	7
8	Sc	8	Cu 2 Cs 6	8	Ac 1 Ci 7	8	Ac 2 Cs 5	7	Ac 3 Cs 4	7	7	6	6
9	Fs 1 Ac 4 Ci 3	8	Sc	8	St	8	Claro	0	Cs	8	5	5	8
10	Niebla	8	Cu	3	Ac 4 Ci 2	6	Cs	8	Cs	2	0	6	6
11	Ci	3	Ci	5	Ci	5	Ci	4	Ci	3	6	6	6
12	As 3 Ci 3	6	Cs	2	Sc 5 Ci 3	8	Ac 1 Cs 7	8	Ac 1 Cs 7	8	6	6	6
13	Fst 7 Ac 1	8	Fst	8	Fst	8	Fst	8	Fst	8	9	8	7
14	Fst	8	Cu 1 Ac 1 Ci 3	5	Cu 1 Ac 1 Ci 3	5	Claro	0	Claro	0	8	8	8
15	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	8	8
16	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	9	9
17	Claro	0	Ci	2	Ci	3	Cs	8	Cs	8	6	7	7
18	Ci	8	Ac 6 Ci 1	7	Ac	8	Cs	8	St	8	7	8	7
19	Ac	1	Claro	0	Claro	0	Claro	0	Claro	0	6	7	7
20	Ci	5	Ci	6	Ci	3	Claro	0	Claro	0	6	8	7
21	Ci	1	Ci	4	Ci	1	Claro	0	Claro	0	6	6	7
22	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	7	6	6
23	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	7	6	8
24	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	6	6	6
25	Ac	4	Sc	7	Sc	8	Sc	8	Sc	8	7	6	6
26	Ns	8	Fs	8	Fs	8	Fs	8	Fs	8	8	8	5
27	St	8	St	8	St 3 As 5	8	Claro	0	Ci	1	8	9	9
28	Claro	0	Claro	0	Claro	0	Ac	1	Ac	3	9	8	8
29	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	9	9
30	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	8	8
31	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	7	7	8
Prom.		4		4		4		3		3			

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0 - 8	Insolación	Transparencia	Observaciones
	9				8	0	3	LL.
	10				8	0	3	LL.
1	12				8	0	3	LL.
	14				8	0	3	LL.
	15				8	0	3	LL.
	9	14.5	9.0	0.45	7	0	5	
	10	15.6	9.6	0.49	8	0	5	
2	12	16.6	10.2	0.52	8	0	5	
	14				8	0	4	Z.
	15				8	0	4	CH
	9	10.7	5.5	0.42	3	2	3	
	10	27.8	10.5	1.41	0	5	5	
3	12	-	-	-	-	-	-	s/R.
	14	30.0	13.5	1.34	4	5	5	
	15	24.4	12.1	1.00	6	2	5	
	9	22.9	10.0	1.05	3	4	5	
	10	32.0	13.5	1.50	3	4	5	
4	12	25.3	13.4	0.97	7	2	5	
	14	21.8	1.26	0.75	7	1	5	
	15	21.0	11.9	0.74	6	3	5	
	9	27.0	12.0	1.22	5	2	5	
	10	31.6	14.0	1.43	2	4	5	
5	12	34.9	17.6	1.41	1	5	5	
	14	32.1	17.1	1.22	7	4	5	
	15	30.0	16.1	1.13	3	4	5	
	9	24.5	12.6	0.97	8	2	5	
	10	30.2	11.2	1.54	8	2	5	
6	12	37.3	20.3	1.38	3	2	5	
	14	37.6	22.6	1.22	8	2	5	
	15	35.7	21.0	1.20	7	4	5	
	9	22.5	16.0	0.53	8	1	4	
	10	33.0	21.0	0.98	8	2	4	Ne.
7	12	39.9	25.0	1.21	8	2	5	
	14	42.5	27.8	1.20	8	4	4	
	15	39.2	23.5	1.28	8	2	3	B.
	9	19.4	17.7	0.14	8	0	4	Ne.
	10	30.8	21.6	0.75	8	1	4	Ne.
8	12	31.7	23.4	0.67	8	1	4	Ne.
	14	40.4	27.4	1.06	8	4	4	Ne.
	15	29.8	24.5	0.43	7	4	4	Ne.
	9	20.0	14.8	0.42	7	1	3	Ne.
	10	27.2	17.4	0.80	8	1	3	Ne.
9	12	25.1	18.3	0.55	8	0	3	Ne.
	14	18.0	16.6	0.11	8	0	3	Ne.
	15	22.0	17.5	0.36	8	0	3	Ne.
	9				8	0	2	N., Am.
	10				8	0	2	N., Am.
10	12	38.7	23.1	1.27	3	1	3	Ne.
	14	31.1	23.1	0.65	6	1	4	Ne.
	15	29.8	21.9	0.64	8	3	4	
	9	35.2	22.0	1.07	1	5	3	Ne.
	10	38.6	24.6	1.14	7	3	3	Ne.
11	12	43.7	28.7	1.22	5	4	3	Ne.
	14	43.5	29.2	1.16	5	4	4	B.
	15	39.0	28.1	0.89	6	4	4	B.
	9	35.8	22.5	1.08	3	4	4	B.
	10	40.0	25.3	1.20	2	4	4	B.
12	12	42.2	28.3	1.13	2	4	4	B.
	14	34.6	27.5	0.58	8	1	4	B.
	15	30.0	25.7	0.35	8	0	4	B.
	9				8	0	3	LL.
	10				8	0	3	LL.
13	12				8	0	3	LL.
	14				8	0	3	LL.
	15				8	0	3	LL.
	9				8	0	3	LL.
	10				8	0	4	Am.
14	12	22.0	12.6	0.76	7	0	5	
	14	21.1	12.9	0.67	5	2	5	
	15	29.7	15.4	1.16	0	5	5	
	9	29.7	12.9	1.36	0	5	5	
	10	33.6	15.6	1.46	0	5	5	
15	12	36.5	18.2	1.49	0	5	5	
	14	36.2	18.9	1.41	0	5	5	
	15	34.5	18.4	1.31	1	5	5	
	9	29.7	13.6	1.31	0	5	5	
	10	33.6	16.6	1.38	0	5	5	
16	12	38.5	20.2	1.49	0	5	5	
	14	38.5	21.2	1.41	0	5	5	
	15	38.0	20.9	1.39	0	5	5	

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0 - 8	Insolación	Transparencia	Observaciones
	9	32.2	16.1	1.31	0	5	4	Ne.
	10	36.2	19.0	1.40	0	5	4	B.
17	12	40.9	22.7	1.48	2	5	4	B.
	14	40.5	23.4	1.39	3	5	4	B.
	15	31.9	21.2	0.87	8	5	4	B.
	9	28.8	17.0	0.96	8	4	4	Ne.
	10	31.6	19.0	1.02	8	2	4	B.
18	12	32.6	20.4	0.99	7	4	4	B.
	14	18.5	16.0	0.20	8	0	4	
	15	22.6	17.5	0.41	8	0	4	
	9	23.2	16.0	0.58	4	0	4	Ne.
	10	36.7	21.1	1.27	1	4	4	Ne.
19	12	41.5	24.6	1.37	0	4	4	Ne.
	14	36.9	24.1	1.04	0	5	4	
	15	37.2	23.4	1.12	0	5	4	B.
	9	26.0	13.2	1.04	7	1	3	Ne.
	10	38.5	19.5	1.54	7	4	3	Ne., Js.
20	12	40.6	22.4	1.48	6	4	4	Ne.
	14	42.0	23.5	1.50	3	5	5	
	15	36.9	20.7	1.32	0	5	5	
	9	28.4	16.7	0.95	2	4	3	Ne.
	10	37.3	20.6	1.36	3	4	3	Ne.
21	12	40.8	24.2	1.35	4	4	3	Ne.
	14	41.5	25.1	1.33	1	5	4	B.
	15	39.6	24.6	1.22	0	5	4	B.
	9	35.5	19.1	1.33	0	5	4	Ne.
	10	39.8	22.2	1.43	0	5	4	Ne.
22	12	44.0	26.6	1.41	0	5	4	Ne.
	14	43.0	27.0	1.30	0	5	4	Ne.
	15	40.6	26.0	1.19	0	5	4	Ne.
	9	35.5	19.7	1.28	0	5	5	
	10	39.1	22.2	1.37	0	5	4	B.
23	12	44.6	28.0	1.35	0	5	4	B.
	14	43.6	28.6	1.22	0	5	3	B.
	15	42.9	28.1	1.20	0	5	4	B.
	9	37.5	22.1	1.25	0	5	3	B.
	10	42.0	25.5	1.34	0	5	3	B.
24	12	45.3	28.6	1.36	0	5	4	B.
	14	43.7	29.1	1.19	0	5	4	B.
	15	41.4	28.2	1.07	0	5	4	B.
	9	25.6	20.9	0.38	8	0	4	B.
	10	38.2	25.8	1.01	4	3	4	B.
25	12	30.0	24.2	0.47	7	0	4	B.
	14	27.1	23.9	0.26	8	0	4	B.
	15	22.3	21.9	0.03	8	0	4	B.
	9				8	0	4	LL.
	10				8	0	4	Am.
26	12				8	0	3	LL.
	14				8	0	4	Am.
	15				8	0	3	LL.
	9				8	0	5	Am.
	10				8	0	5	Am.
27	12				8	0	5	Am.
	14	14.8	9.7	0.41	8	0	5	
	15	12.1	8.9	0.26	8	0	5	
	9	30.0	12.5	1.42	0	5	5	
	10	32.5	14.5	1.46	0	5	5	
28	12	36.2	18.3	1.46	0	5	5	
	14	35.5	18.9	1.35	0	5	5	
	15	32.8	18.2	1.19	0	5	5	
	9	30.5	14.0	1.34	0	5	5	
	10	34.0	15.7	1.49	0	5	5	
29	12	37.7	18.2	1.58	0	5	5	
	14	37.2	19.0	1.48	0	5	5	
	15	33.5	17.8	1.28	0	5	5	
	9	32.0	16.1	1.29	0	5	5	
	10	36.5	19.0	1.42	1	5	5	
30	12	-	-	-	-	-	-	s/R.
	14	38.7	24.7	1.14	0	5	5	
	15	38.0	24.2	1.12	0	5	5	
	9	34.7	18.5	1.32	0	5	4	B.
	10	38.1	21.5	1.35	0	5	4	B.
31	12	42.4	25.0	1.41	0	5	4	B.
	14	43.7	26.0	1.44	0	5	3	B.
	15	39.2	24.5	1.20	0	5	3	B.

HELIOFANÍA

DÍAS \ HORAS	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H. EFECTIVA	H. TEÓR. ASTRON	H. RELATIVA
1															0.0	10.4	00
2			0.6	0.9	0.8	0.1	0.2	0.3	0.9	0.9	0.7				5.4	10.4	52
3			0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6			9.2	10.4	88
4			0.1	0.6			1.0	1.0	0.8	1.0	1.0	0.7			6.2	10.5	59
5			0.8	1.0	0.7	1.0	1.0	1.0	1.0	0.8	1.0	0.8			9.1	10.5	87
6			0.1	0.7	0.7	0.9	1.0	1.0	1.0	1.0	1.0	0.1			7.5	10.5	71
7			0.1	0.6	0.7	0.8	1.0	1.0	0.7	0.5	0.1				5.5	10.6	52
8						0.2	0.8	0.6	1.0	0.8	0.5				3.9	10.6	37
9															0.0	10.6	00
10							0.8	1.0	0.7	0.5	0.1				3.1	10.7	29
11			0.1	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.2			8.0	10.7	75
12				0.3	1.0	1.0	1.0	1.0	0.8	0.1					5.2	10.7	49
13															0.0	10.8	00
14								0.1	0.7	0.9	1.0	0.9			3.6	10.8	33
15			0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9			9.7	10.8	90
16			0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9			9.7	10.8	90
17			0.8	1.0	1.0	1.0	1.0	0.6	1.0	0.8	0.5				7.7	10.9	71
18				0.3	0.5	0.4	0.2	0.3			0.1				1.8	10.9	16
19				0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.5			8.2	10.9	75
20			0.5	1.0	0.8	0.7	0.9	1.0	1.0	1.0	0.9	0.6			8.4	11.0	76
21			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.5	11.0	86
22			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9			9.3	11.0	84
23			0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			9.4	11.0	85
24			0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6			9.2	11.1	83
25				0.3	0.3	0.8	0.4	0.2	0.2						2.2	11.1	20
26															0.0	11.1	00
27															0.0	11.2	00
28			0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9			9.8	11.2	88
29			0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		10.1	11.2	90
30			0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1		10.0	11.3	88
31			0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9			9.7	11.3	86
Medias			0.4	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.4	0.0		6.1	10.8	57

GEOTEMPERATURA

DÍAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h
1	13.7	13.4	13.6	13.2	12.9	13.1	12.0	11.8	11.8	12.4	12.2	12.2	15.4	15.2	15.2
2	12.3	12.0	10.3	12.2	11.9	10.2	11.3	11.0	11.0	11.9	11.8	11.7	15.1	14.9	14.8
3	9.8	11.0	10.8	10.8	10.6	10.7	9.7	9.6	9.8	10.8	10.6	10.5	14.4	14.1	14.0
4	9.5	10.9	10.2	9.6	10.3	10.3	9.6	9.2	9.2	10.3	10.0	10.1	13.8	13.6	13.0
5	8.9	10.8	11.0	9.0	10.0	10.3	8.7	8.7	9.2	9.7	9.6	9.8	13.3	13.2	13.0
6	10.1	11.7	12.0	9.7	10.7	11.2	9.0	9.1	9.6	9.7	9.7	10.0	13.1	13.0	13.0
7	11.5	13.7	14.2	10.9	12.1	13.0	9.7	10.1	10.8	10.2	10.3	10.6	13.2	13.3	13.4
8	14.2	15.7	15.9	13.3	14.2	14.7	11.5	11.9	12.4	11.6	11.8	12.1	14.0	14.2	14.4
9	14.8	15.0	14.6	14.1	14.2	14.0	12.6	12.2	12.4	12.6	12.4	12.6	14.9	14.9	14.9
10	14.0	15.7	15.9	13.4	14.3	14.8	12.0	12.3	12.9	12.3	12.5	12.8	15.0	15.1	15.2
11	15.6	17.0	17.0	14.7	15.5	15.9	13.0	13.3	13.9	13.1	13.2	13.6	15.4	15.6	15.7
12	16.2	17.6	17.7	15.3	16.2	16.5	13.7	13.9	14.4	13.8	13.8	14.1	16.0	16.1	16.2
13	15.6	14.6	13.8	15.1	14.3	13.7	13.9	13.2	12.6	14.2	14.0	13.3	16.4	16.3	16.0
14	12.2	12.7	12.4	11.6	12.2	12.2	11.2	11.2	11.3	12.2	12.0	11.9	15.6	15.4	15.1
15	10.0	12.2	12.0	10.3	11.5	11.8	10.2	10.2	10.8	11.4	11.0	11.3	14.8	14.6	14.3
16	10.7	12.5	12.0	10.5	11.7	11.7	10.0	10.0	10.0	11.0	11.0	11.0	14.4	14.2	14.2
17	10.8	11.1	13.0	10.7	12.0	12.5	10.2	10.3	11.1	11.0	10.9	11.3	14.2	14.1	14.1
18	11.8	12.4	13.4	11.6	12.4	12.7	10.7	10.8	11.1	11.4	11.2	11.6	14.3	14.3	14.3
19	13.1	14.9	14.6	12.5	13.6	13.9	11.2	11.6	12.2	10.6	11.7	12.2	14.4	14.6	14.6
20	11.6	14.5	14.0	12.5	13.5	13.6	11.6	11.7	12.2	12.2	12.1	12.4	14.8	14.9	14.9
21	12.4	14.8	14.4	12.2	13.5	13.9	11.4	11.6	12.2	12.2	12.1	12.3	15.0	15.0	15.0
22	12.8	15.2	15.2	12.5	13.9	14.3	11.7	12.2	12.5	12.4	11.8	12.6	15.2	15.1	15.2
23	13.9	15.5	15.2	13.4	14.3	14.4	12.3	12.4	12.3	12.7	12.7	12.8	15.5	15.6	15.7
24	14.6	16.8	16.9	14.0	15.3	15.8	12.6	13.0	13.8	13.0	13.2	13.6	15.6	15.7	15.8
25	16.4	17.7	17.0	15.5	16.4	16.2	13.8	14.1	14.4	13.9	14.0	14.2	16.2	16.3	16.4
26	14.5	14.3	13.6	14.5	14.0	13.4	13.6	13.0	12.6	14.0	13.6	13.3	16.4	16.4	16.2
27	12.5	12.5	11.9	12.3	12.1	11.8	11.6	11.2	11.0	12.5	12.2	11.8	15.7	15.3	15.1
28	9.9	11.9	12.1	10.0	11.3	11.6	11.1	9.9	10.6	10.6	10.8	11.1	14.6	14.4	14.2
29	11.1	12.6	12.0	10.9	11.8	12.0	10.2	10.1	10.2	11.0	10.9	10.9	14.3	14.1	14.2
30	11.0	13.1	13.4	10.8	12.1	12.6	10.2	10.4	11.1	11.2	11.0	11.4	14.3	14.2	14.2
31	12.2	14.2	14.0	11.8	13.1	13.3	10.9	11.0	11.6	11.5	11.2	11.6	14.4	14.4	14.4
Prom.	12.5	13.8	13.7	12.2	13.0	13.1	11.3	11.3	11.6	11.8	11.8	12.0	14.8	14.8	14.7

LLUVIA, ESTADO DEL SUELO, ETC.

DÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en %						Freatímetro
	50 cm.	1.50 m.	7 m.	18 m.		8^h	14^h	20^h	Total	Punto	7 cm.	15 cm.	30 cm.	60 cm.	1 m.	
1	41.3	43.2	38.8	36.7	2	1.7	0.2	0.0	1.1							10984
2	0.0	0.0	0.0	0.0	2	0.9	1.0	0.8	2.0							10900
3					1	0.2	0.8	0.5	1.5							10862
4					0	0.2	1.3	1.0	2.4							10891
5					0	0.1	1.3	1.2	3.2	0. 17	20.9	20.5	18.7			10807
6					0	0.7	1.4	1.3	3.7							10922
7					0	1.0	1.3	1.2	3.3							10931
8	0.0	0.1	0.0	0.0	0	0.8	0.7	0.8	2.2							10937
9					0	0.7	0.7	1.0	2.2							10944
10					0	0.5	0.2	0.6	1.0	0. 18	20.8	19.8	21.9			10954
11					0	0.2	2.8	2.4	6.7							10959
12	0.7	1.0	0.8	0.6	0	1.5	2.2	0.8	3.7							10966
13	19.6	22.3	21.8	20.5	2	0.7	0.4	0.2	0.8							10974
14	0.0	0.2	0.0	0.0	2	0.2	0.3	0.7	1.1							10973
15					1	0.1	1.4	1.1	3.1	0. 19	26.6	22.2	22.3			10975
16					1	0.6	1.7	1.2	3.5							10978
17					1	0.6	1.3	1.0	2.7							10980
18	0.2	0.7	0.2	0.0	0	0.4	1.1	0.5	2.0							10983
19					1	0.4	1.1	0.8	2.3							10983
20					0	0.4	0.6	0.6	1.4	0. 20	21.9	20.0	22.1	22.1		10986
21					0	0.2	1.6	1.2	3.2							10989
22					0	0.4	1.7	2.3	6.6							10992
23					0	2.6	2.9	2.3	6.5							10998
24					0	1.3	2.2	1.8	5.7							11000
25	5.3	7.5	6.3	4.8	0	1.7	0.9	0.4	1.6	-	-	-	-			11004
26	9.1	11.2	9.2	-	2	0.3	0.6	0.2	1.1							11009
27					2	0.3	0.5	0.6	1.7							11014
28					1	0.4	1.7	1.7	4.9							11020
29					0	1.5	2.0	0.7	3.1							11022
30					0	0.4	2.2	2.4	6.2	0. 21	21.5	19.8	21.8			11028
31					0	1.6	2.8	2.0	6.4							11030
Prom.	76.2	86.2	77.1	-	-	0.7	1.3	1.1	3.1	-	-	-	-	-	-	10968

0.50 m.			1 m.			2 m.	3 m.	Temper. Mínima de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos
8^h	14^h	20^h	8^h	14^h	20^h	8^h	8^h		
14.3	14.2	14.0	14.8	14.8	15.0	16.0	17.5	8.4	Cn. m. t. y n., R. m., LL. t.
13.8	13.7	13.6	14.7	14.6	14.6	16.0	17.1	6.4	Cn. m. y t., Ca. n., Z. t.
13.4	13.3	13.2	14.4	14.4	14.3	16.0	17.2	- 3.9	Ca. m. y n., Cn. t., h. m., r. Ne. n.
12.8	12.7	12.7	14.1	14.3	14.3	16.0	17.1	- 2.1	Cn. m. y t., Ca. n., r. m. y n.
12.5	12.4	12.3	14.0	14.0	14.1	16.0	17.2	- 3.9	Ca. m. y n., Cn. t., h. m., r. n.
12.1	12.1	12.0	13.8	13.9	13.8	16.0	17.2	- 0.4	Ca. n., Cn. t. y n., r. m. t. y n.
12.2	12.2	12.2	13.7	13.8	13.8	16.0	17.4	6.3	Cn. m. t. y n., r. m., B. t., Ne. n.
12.7	12.9	13.0	13.7	13.7	13.7	16.0	17.4	13.2	Cn. m. t. y n., r. m. y n., B. m. y t., Dl. n.
13.4	13.4	13.3	13.7	13.9	13.9	16.0	17.4	10.0	Cn. m. t. y n., Ne. m. y t., Jl. n.
13.5	13.9	13.9	14.0	14.0	14.1	16.0	17.3	9.5	Cn. m. t. y n., dv. N. m., Ne. t., Dl. n.
14.1	14.2	14.3	14.1	14.1	14.2	15.9	17.4	13.6	Ca. m. y n., Cn. t., Ne. m, B. t.y n, r. m.y n.
14.6	14.7	14.8	14.2	14.2	14.3	15.8	17.3	13.6	Cn. m. t. y n., r. m., B. m. y n., Dl. n.
15.0	15.0	15.0	14.4	14.3	14.2	15.8	17.2	10.3	Cn. m. t. y n., R. t., Z. Ru. n.
14.5	14.3	14.0	14.3	14.5	14.5	15.5	17.0	3.0	Cn. m. y t., Ca. n., LL. m., Jl. n.
13.8	13.7	13.4	14.3	14.4	14.3	15.8	17.0	- 5.4	Ca. m. t. y n., h. m.
13.3	13.0	13.0	14.2	14.2	14.2	15.8	17.0	- 2.0	Ca. m. t. y n., r. n.
13.2	13.2	13.1	14.1	14.1	14.1	15.8	17.1	- 1.5	Ca. m. y t., Cn. n., Ne. m., r. m. t. y n.
13.2	13.2	13.3	14.1	14.1	14.1	15.8	17.2	1.0	Cn. m. t. y n., r. m. y n., Ne. m., Z. n.
13.3	13.5	13.4	14.1	14.1	14.1	15.8	17.0	5.5	Ca. m. t. y n., Ne. m., r. n.
13.7	13.8	13.8	14.0	14.1	14.2	15.8	17.0	2.7	Cn. m., Ca. t. y n., Ne. m, Ds. m, r. m. y n.
13.9	13.9	13.8	14.0	14.2	14.2	15.8	17.0	1.9	Ca. m. t. y n., Ne. m., B. t., r. n.
14.1	14.1	13.9	14.1	14.1	14.2	15.7	17.0	0.9	Ca. m. t. y n., r. m.
14.1	14.3	14.3	14.1	14.1	14.1	15.9	17.0	7.0	Ca. m. t. y n., B. t.
14.5	14.6	14.6	14.2	14.3	14.3	15.8	17.0	9.8	Ca. m. t. y n., B. t. y n.
14.9	15.1	15.1	14.3	14.4	14.4	15.7	17.1	14.9	Cn. m. t. y n., B. m.
15.2	15.2	15.1	14.4	14.5	14.5	15.7	17.0	7.4	Cn. m. t. y n., LL. m. y n.
14.6	14.3	14.2	14.7	14.7	14.7	15.7	17.0	7.0	Cn. m. y t., Ca. n., r. n.
13.8	13.6	13.3	14.5	14.5	14.4	15.7	16.7	- 4.6	Ca. m. t. y n., h. m.
13.3	13.0	13.1	14.3	14.4	14.4	15.7	16.9	- 1.9	Ca. m. t. y n., r. n.
13.2	13.4	13.3	14.2	14.2	14.3	15.7	16.8	0.3	Ca. m. t. y n., r. n.
13.5	13.5	13.4	14.2	14.4	14.2	15.7	16.9	4.3	Ca. m. t. y n., r. m. y n., B. t.
13.7	13.7	13.6	14.2	14.2	14.2	15.8	17.1	4.2	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESIÓN ATMOSFÉRICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANÍA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teóricas Astronómicas	Relativa
	mm. mb.	mm. mb.			mm mb			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	61.7	69.5	3	9-10	46.5	1	16-17	11.6	16.4	7.4	24.4	7	14	0.2	3	7	5.0	10.5	48
2ª	62.3	70.0	13	23-24	53.3	20	5	12.4	18.6	7.1	26.3	12	14	-0.6	15	7	6.2	10.8	58
3ª	60.5	68.8	27, 28	24; 0	50.9	25	14-15	12.8	19.1	6.6	25.5	24	13-14	-2.8	28	6-7	7.2	11.5	64
MES	61.5	70.0	13	23-24	46.5	1	16-17	12.3	18.1	7.0	26.3	12	14	-2.8	28	6-7	6.1	10.8	57

DÉCADA	HUMEDAD DEL AIRE								VIENTO									LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas				Instantáneas			Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Velocidad Máxima	Dirección	Día	Hora				
	%	%		%		mm. mb.	mm. mb.	mm. mb.		Km/h	Km/h		Km/h			Km/h				mm.	mm.		mm.		
1ª	76	100	10	33	6	8.3	15.0	4.0	NE	12	30	1	25	2 6 7	8-10 11-12 14-15	52	SW	2	9.24	43.3	43.2	1	10.0	1	12-13
2ª	77	98	20	38	15	8.2	15.5	4.0	NW	8	30	11, 12	30	11	10-11	42	NE	11	10.40	24.2	22.3	13	4.0	13	11-12
3ª	74	99	21,28	33	23	8.0	15.5	3.6	NW	12	36	24	30	23	12-13	54	SE	26	9.28	18.7	11.2	26	5.4	26	5-6
MES	76	100	10	33	6,23	8.2	15.5	3.6	NE	13	36	24	30	11 23	10-11 12-13	54	SE	26	9.28	86.2	43.2	1	10.0	1	12-13

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACIÓN							VIENTO - TORM. ELÉCT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1ª	4	2	5	1	-	-	-	1	2	-	1	-	-	-	-	-	1
2ª	2	5	5	-	-	-	-	4	-	-	-	-	-	-	-	1	1
3ª	4	5	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-
MES	10	12	12	1	-	-	-	7	2	-	1	-	-	-	-	1	2

DÉCADA	FENÓMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
1ª	6	2	-	-	-	-	2	-	1	-	-	5	5	-	-	-
2ª	7	1	-	-	-	-	2	2	1	-	-	7	3	1	2	-
3ª	6	1	-	-	-	-	-	-	-	-	-	9	2	1	1	-
MES	19	4	-	-	-	-	4	2	2	-	-	21	10	2	3	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VI — SETIEMBRE 1951 — Nº 9

RESUMEN MENSUAL

Al comenzar el mes, la temperatura del Observatorio es superior al valor medio mensual, y el cielo está completamente despejado. El día 3, una niebla densa rodea la estación, reina calma en las primeras horas, luego el viento sopla del sector Sudeste. El día 5, invade una corriente de aire polar que se intensifica al día siguiente y produce brusco descenso de temperatura. Al día siguiente se registra el mínimo valor de la humedad relativa que es de 27%. El día 9, el pasaje de un frente altera nuevamente las condiciones reinantes, la presión que disminuía desde el día 6, alcanza su valor mínimo mensual con 747.3 mm, y una hora más tarde del mismo día, la tensión del vapor registra el valor más alto del mes con 15.6 mm. La inestabilidad creada por el pasaje del frente, se traduce en ligeras lluvias en la noche del día 10.

La segunda década comienza con lluvias y cielo parcialmente nublado. Una invasión de aire polar mantiene la temperatura por debajo del valor medio. No se registra heliofanía en los días 11 y 12; el viento sopla predominantemente del sector Sudeste sin alcanzar la intensidad de las otras dos décadas. La presión aumenta paulatinamente, para culminar el día 16, con 772.8 mm. La afluencia continuada de aire polar cesa en las últimas horas del día 17, se registra calma y estando el cielo despejado, se favorece la pérdida de temperatura por radiación terrestre, dando ello lugar al registro mínimo de temperatura del mes con -2.3°C el día 18, asimismo la tensión del vapor desciende a valores próximos al mínimo mensual. Luego de esa calma, la masa de aire polar comienza a retroceder originando corrientes de viento, cuya dirección oscila alrededor del sector norte, la que se mantiene hasta terminar la década.

La tercera década se inicia con buen tiempo; el aire caliente que se halla sobre la estación, ocasiona ascenso de temperatura; el día 22 alcanza su valor máximo mensual con 30.7°C. El día 23 el pasaje de un frente frío, aleja hacia el norte, la masa de aire tropical reinante; el viento cambia de dirección; soplando predominantemente del sector Sud el cielo se cubre parcialmente. Sin mayores variantes transcurren los días siguientes, hasta el 26 en que un nuevo pasaje de un frente, provoca inestabilidad atmosférica con lluvias de poca intensidad. Una aeromasa fría, hace descender la temperatura el día 27 y el pasaje de un frente frío en la tarde del día 28, acentúa ese descenso, originando temperaturas bajo cero el día 30, sin alcanzar el valor mínimo mensual.

Los valores promedios y extremos del mes respecto de los correspondientes de años anteriores, no acusan desviaciones apreciables.

POTENCIAL ATMOSFÉRICO en V/M.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	104	90	104	90	69	76	97	104	97	124	138	193	152	166	145
2	117	110	124	179	186	186	220	213	213	186	220	179	159	117	83
3	55	90	69	7	55	83	104	110	172	186	166	110	131	233	186
4	76	- 30	17	68	68	58	64	95	95	7	-143	- 95	78	87	44
5	72	83	95	78	83	78	83	103	70	- 23	-152	-147	-152	- 88	- 10
6	39	44	56	44	56	53	53	101	111	118	105	95	91	93	95
7	115	105	97	48	64	64	66	135	109	105	109	97	85	91	103
8	83	90	69	97	83	69	69	69	51	41	76	21	41	97	55
9	83	69	69	62	76	97	90	90	62	62	28	69	110	124	138
10	-	-	-	-	-	-	-	29	12	12	- 16	5	7	12	- 26
11	-	-	-	-	-	-	-	-	-	-	-	-	197	125	64
12	34	- 14	-310	90	41	76	124	90	83	76	76	55	62	83	48
13	41	41	69	76	97	83	90	104	117	131	117	110	83	69	55
14	117	90	69	69	83	69	110	138	200	200	207	166	131	110	97
15	138	138	104	69	83	110	110	145	207	145	110	124	138	110	97
16	97	83	104	124	110	90	83	110	124	117	97	83	55	34	34
17	99	85	93	78	85	83	74	120	147	166	145	97	83	76	83
18	90	104	97	97	97	124	110	207	207	179	152	152	152	110	138
19	28	14	7	21	34	55	34	69	104	145	124	83	83	55	48
20	28	28	41	55	62	69	76	90	83	104	28	7	34	62	41
21	51	48	53	48	48	53	58	60	41	19	19	14	34	41	40
22	29	31	22	24	24	22	31	39	36	27	2	- 20	36	58	60
23	10	14	24	36	36	24	10	2	56	56	- 13	- 26	- 30	- 53	- 59
24	-	-	-	-	83	48	62	55	34	41	90	90	110	138	131
25	159	172	124	152	200	186	220	272	138	83	104	172	138	104	110
26	90	69	76	90	97	104	104	110	90	90	90	69	104	124	179
27	69	69	62	55	55	69	97	145	110	124	145	172	207	252	179
28	28	310	152	117	166	7	- 69	138	138	138	166	110	97	83	69
29	48	55	55	55	55	69	97	117	124	148	117	110	83	83	90
30	110	110	110	55	48	83	138	172	110	104	90	97	110	110	90
31															
Prom.	88.3	82.1	58.3	81.1	89.0	96.7	108.6	134.9	140.3	136.9	127.3	120.0	109.7	104.3	97.0

RESUMEN DEL ESTADO ELÉCTRICO DEL AIRE

DÍAS	CONDUCTIBILIDAD "λ" . 10^{-4}				IONES LIVIANOS					
					número "n" por cm^3				velocidad	
	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-	n^+	n^-	$n^+ + n^-$	n^+ / n^-	K^+	K^-
1	0.77	0.62	1.39	1.24	460	217	677	2.12	1.17	2.00
2	0.55	0.44	0.99	1.25	351	86	437	4.10	1.09	3.58
3	0.57	0.52	1.09	1.09	327	143	470	2.28	1.22	2.55
4	0.51	0.48	0.99	1.06	309	163	472	1.90	1.15	2.06
5	0.95	0.92	1.87	1.03	565	543	1105	1.03	1.18	1.19
6	1.03	1.04	2.07	0.99	1120	865	1985	1.30	0.65	0.84
7	0.83	0.72	1.55	1.15	614	433	1047	1.42	0.95	1.16
8	0.79	0.71	1.50	1.11	436	291	727	1.50	1.27	1.70
9	0.95	0.85	1.80	1.12	533	338	871	1.57	1.25	1.56
10	0.84	0.76	1.60	1.10	525	273	798	1.92	1.12	1.94
11	1.01	1.01	2.02	1.00	866	917	1783	0.95	0.82	0.77
12	1.22	1.19	2.41	1.02	848	660	1508	1.28	1.01	1.26
13	1.06	0.91	1.97	1.16	968	692	1660	1.39	0.77	0.92
14	0.72	0.55	1.27	1.31	536	269	805	1.99	0.94	1.43
15	0.66	0.52	1.18	1.27	571	329	900	1.74	0.81	1.10
16	0.72	0.60	1.32	1.20	555	341	896	1.63	0.91	1.23
17	0.70	0.58	1.28	1.21	559	381	940	1.46	0.88	1.06
18	0.63	0.55	1.18	1.14	412	164	576	2.51	1.07	2.35
19	0.94	0.83	1.77	1.13	699	511	1210	1.37	0.94	1.13
20	0.93	0.90	1.83	1.03	706	689	1395	1.02	0.92	0.91
21	0.95	0.85	1.80	1.12	586	440	1026	1.33	1.13	1.35
22	0.88	0.83	1.71	1.06	491	389	880	1.26	1.25	1.49
23	0.77	0.74	1.51	1.04	451	316	767	1.43	1.19	1.63
24	0.96	0.92	1.88	1.04	873	676	1549	1.29	0.77	0.95
25	0.65	0.57	1.22	1.14	536	321	857	1.67	0.85	1.24
26	0.91	0.74	1.65	1.23	825	509	1334	1.62	0.77	1.02
27	1.03	0.91	1.94	1.13	719	540	1259	1.33	1.01	1.17
28	1.08	0.93	2.01	1.16	724	577	1301	1.25	1.04	1.12
29	1.13	0.97	2.10	1.17	999	716	1715	1.39	0.79	0.95
30	0.81	0.63	1.44	1.28	643	371	1014	1.73	0.88	1.19
31										
Prom.	0.85	0.75	1.60	1.13	632	444	1076	1.43	0.94	1.18

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplit.	Tipo de Curva
138	152	159	239	213	226	152	152	97	136.5	357	48	309	0
83	110	159	138	173	145	117	104	90	150.4	437	55	382	0
145	186	97	- 55	69	83	62	76	62	103.4	333	-181	514	1
89	36	- 40	60	-	58	- 26	7	58		324	-300	624	2*
-101	22	58	70	74	39	36	39	36		163	-259	422	2
87	91	48	87	-	-	-	-	-		∞	-	-	3*
83	105	113	125	111	111	97	109	99	97.8	207	00	207	0
21	104	110	83	117	124	138	104	90		220	- 97	317	2
104	138	83	90	97	69	28	34	41	79.7	246	- 26	272	1
- 26	5	58	91	120	107	78	48	19		188	- 82	270	2*
27	44	44	39	58	76	95	58	± ∞		∞	- ∞	-	3*
28	62	83	76	97	83	62	62	34	50.0	704	-923	1627	1
76	76	97	104	110	145	138	124	124	94.9	186	00	186	0
97	131	145	213	207	104	138	186	172	135.4	272	28	244	0
83	83	124	186	297	246	226	172	110	139.8	362	55	307	0
41	62	131	138	90	110	58	118	130	92.6	259	- 97	356	1
83	83	90	97	104	297	220	124	83	112.3	362	- 7	369	1
69	83	55	55	48	14	28	14	34	100.7	284	- 21	305	1
55	97	62	83	97	83	41	41	34	66.5	207	00	207	0
69	83	97	97	97	97	69	83	69		200	- 69	269	2
69	41	62	97	138	145	110	55	41		233	- 66	299	2
66	62	53	48	53	34	29	34	36		115	-160	275	2
- 63	- 79	- 86	- 13	- 5	- 13	- 26	- 7	46		173	-156	329	2
117	104	110	179	284	233	265	179	138		∞	- ∞	-	3*
117	131	55	83	97	152	124	110	110	138.0	310	- 28	338	1
117	-	-	-	83	83	97	124	97		∞	- ∞	-	3*
138	83	14	179	69	± ∞	± ∞	310	± ∞		∞	- ∞	-	3*
41	48	76	41	14	- 41	- 69	76	- 83		541	-533	1074	2
83	90	83	83	110	104	117	97	90	90.1	166	14	152	0
83	69	83	124	83	28	41	34	14		193	00	193	0
85.7	105.9	102.4	110.3	128.0	131.5	107.2	101.5	87.3	105.6				

IONES PESADOS número "N" por cm³				CORRIENTE VERTICAL "i" . 10^{-7} U.E.S. por cm²	NÚCLEOS AITKEN por cm³
N^+	N^-	$N^+ + N^-$	N^+ / N^-		
6755	8598	15353	0.79	6.33	71,750
12247	17159	29406	0.73	4.96	25,750
15234	-	-	-	3.75	64,250
11512	14139	25651	0.82	-	49,750
6520	3010	9530	2.17	-	13,250
18386	22192	40578	0.83	-	52,500
19796	21764	41560	0.91	5.08	35,750
7028	7300	14328	0.96	-	7,750
3588	5198	8786	0.69	4.80	-
3178	7624	10802	0.42	-	25,250
2020	3440	5460	0.59	-	30,000
1533	2263	3796	0.68	4.03	28,250
3664	3662	7326	1.00	6.24	-
5678	5610	11288	1.01	5.74	49,250
8856	9119	17975	0.97	5.51	76,500
8078	7812	15890	1.03	4.08	48,750
8488	9457	17945	0.89	4.82	-
12261	12459	24720	0.99	3.97	-
5056	5833	10889	0.86	3.95	-
3811	4526	8337	0.54	-	-
2755	2897	5652	0.95	-	-
4189	6423	10612	0.65	-	-
4440	6221	10661	0.71	-	-
2242	2988	5230	0.75	-	-
7174	8138	15312	0.88	5.62	52,000
5207	6790	11997	0.77	-	54,000
5232	6579	11811	0.79	-	57,000
2616	3739	6355	0.70	-	27,000
2914	3588	6502	0.81	6.30	22,750
8184	8900	17084	0.92	-	33,750
6679	7951	14630	0.84	5.01	41,260

CONDUCTIBILIDAD POSITIVA $\lambda^{+}.10^{-4}$

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	1.12	1.21	0.91	1.13	1.15	1.03	0.82	0.74	0.76	0.91	0.71	0.66
2	0.55	0.54	0.46	0.36	0.41	0.37	0.41	0.44	0.57	0.56	0.71	0.73
3	0.54	0.61	0.52	0.40	0.46	0.64	0.61	0.63	0.39	0.43	0.47	0.47
4	0.74	0.81	0.71	0.76	0.56	0.63	0.34	0.41	0.38	0.59	0.58	0.49
5	0.63	0.48	0.45	0.55	0.51	0.42	0.66	0.58	0.62	0.99	1.22	1.15
6	1.33	1.15	1.33	1.34	1.54	1.46	1.61	1.24	1.30	1.22	1.07	1.20
7	0.69	0.74	0.83	0.93	0.94	0.91	0.82	0.81	0.93	0.94	0.86	0.99
8	1.02	0.90	1.01	0.99	0.99	1.04	1.06	0.42	0.83	0.76	0.71	0.64
9	1.08	1.22	1.32	1.19	1.24	1.01	0.97	1.53	0.91	0.82	0.91	0.69
10	0.87	0.79	0.96	0.82	0.61	0.38	0.99	0.43	0.52	0.50	0.68	0.66
11	1.07	1.25	1.12	1.37	2.02	1.07	0.38	0.41	1.13	0.62	0.83	1.16
12	1.46	1.42	0.87	0.76	1.15	0.98	1.19	1.12	1.20	1.22	1.11	0.96
13	1.41	1.45	1.55	1.36	1.78	1.45	1.19	1.11	1.05	0.94	0.88	0.76
14	0.89	1.16	1.37	0.85	0.81	0.91	0.81	0.71	0.72	0.97	0.81	0.62
15	0.52	0.72	1.13	1.24	1.02	0.92	0.84	0.84	0.61	0.78	0.57	0.51
16	0.44	0.54	0.49	0.61	0.73	0.82	0.93	0.81	0.86	0.89	0.81	0.74
17	0.58	0.57	0.60	0.54	0.51	0.37	0.46	0.50	0.46	0.70	0.68	0.76
18	0.63	0.65	0.63	0.71	0.68	0.51	0.46	0.67	0.73	0.79	0.69	0.68
19	1.11	1.05	1.03	1.11	0.85	0.83	0.88	0.81	0.86	0.75	0.93	0.97
20	0.88	0.86	0.74	0.92	0.96	1.05	0.91	0.70	0.54	0.97	1.08	0.94
21	1.22	1.21	1.02	1.32	1.35	1.20	1.02	1.01	1.13	1.07	0.94	0.89
22	1.00	1.10	1.09	1.09	1.21	1.07	0.88	0.69	0.91	0.86	0.83	0.86
23	0.66	0.79	0.96	0.71	0.79	0.74	0.87	0.64	0.63	0.44	0.47	0.56
24	0.78	2.14	0.85	1.77	1.65	1.42	1.36	1.28	1.24	1.21	0.92	0.73
25	0.25	-	-	-	-	-	-	0.36	0.76	0.63	0.67	0.94
26	1.47	1.17	1.57	1.47	1.32	1.01	1.10	0.76	0.89	0.86	0.92	0.81
27	1.57	1.53	1.55	1.32	1.48	1.56	1.51	1.55	1.27	1.11	0.92	0.82
28	0.78	0.74	1.07	1.05	0.91	1.07	1.02	1.24	1.06	1.08	0.94	0.94
29	1.53	1.63	1.61	1.40	1.34	1.34	1.26	1.02	1.08	0.90	0.94	1.01
30	0.98	1.01	1.20	1.08	1.13	0.83	0.84	0.95	1.04	0.81	0.76	0.78
31												
Promedio	0.93	1.02	1.00	1.00	1.04	0.93	0.90	0.81	0.84	0.84	0.82	0.80

CONDUCTIBILIDAD NEGATIVA $\lambda^{-}.10^{-4}$

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	0.97	0.81	0.95	0.92	0.88	0.86	0.69	0.71	0.73	0.67	0.60	0.60
2	0.36	0.38	0.36	0.27	0.30	0.36	0.34	0.34	0.44	0.53	0.55	0.65
3	0.40	0.47	0.58	0.41	0.44	0.51	0.53	0.38	0.44	0.32	0.36	0.42
4	0.73	0.74	0.69	0.69	0.53	0.55	0.31	0.44	0.39	0.42	0.64	0.57
5	0.51	0.40	0.37	0.42	0.38	0.40	0.58	0.58	0.62	0.99	1.22	1.15
6	1.33	1.15	1.33	1.34	1.54	1.46	1.61	1.70	1.17	1.12	0.97	1.13
7	0.54	0.54	0.58	0.77	0.82	0.68	0.75	0.99	0.72	1.11	0.87	1.02
8	0.83	0.80	0.87	0.82	0.87	0.89	0.85	0.94	0.69	0.67	0.55	0.62
9	1.07	1.02	1.22	1.14	1.09	0.99	0.88	0.95	0.93	0.90	0.74	0.64
10	0.81	0.79	0.92	0.73	0.60	0.31	1.12	0.39	0.50	0.49	0.64	0.62
11	1.36	-	1.82	0.90	1.12	0.95	0.88	0.65	1.08	0.24	1.32	0.97
12	1.34	1.49	0.91	0.63	1.39	0.89	1.00	1.02	1.11	1.07	1.12	1.31
13	1.49	1.30	1.40	1.36	1.39	0.84	0.99	0.89	0.98	0.89	0.82	0.72
14	0.62	0.76	0.87	0.65	0.51	0.56	0.56	0.47	0.56	0.79	0.56	0.53
15	0.42	0.56	0.76	0.86	0.65	0.58	0.58	0.62	0.67	0.69	0.53	0.44
16	0.34	0.44	0.34	0.51	0.58	0.70	0.56	0.63	0.91	0.79	0.67	0.62
17	0.44	0.41	0.42	0.44	0.42	0.30	0.41	0.42	0.43	0.60	0.63	0.72
18	0.41	0.49	0.51	0.51	0.46	0.41	0.49	0.76	0.65	0.77	0.63	0.56
19	0.98	1.01	0.89	0.89	0.62	0.60	0.65	0.67	0.83	0.72	0.86	0.90
20	0.89	0.87	0.77	0.88	0.76	0.81	0.85	0.77	1.02	1.05	0.98	0.96
21	1.10	1.05	0.94	1.13	0.87	1.05	0.95	0.87	1.08	0.91	0.89	0.85
22	1.07	0.99	1.15	1.23	1.04	1.03	0.81	0.71	0.80	0.82	0.79	0.82
23	0.67	0.74	0.82	0.62	0.64	0.60	0.73	0.58	0.53	0.41	0.46	0.53
24	1.41	0.97	2.00	1.36	1.78	1.47	1.42	1.32	1.24	1.04	0.87	0.71
25	0.29	-	-	-	-	-	0.37	0.34	0.62	0.58	0.62	0.85
26	1.28	1.23	1.16	1.16	0.87	0.80	0.82	0.54	0.81	0.76	0.72	0.72
27	1.36	1.39	1.44	1.36	1.18	1.44	1.15	1.01	0.82	1.01	0.79	0.77
28	0.71	0.42	0.69	0.51	0.81	1.03	0.81	0.89	0.92	0.85	0.81	0.89
29	1.41	1.43	1.44	1.39	1.25	1.34	1.20	0.89	0.92	0.93	0.74	0.87
30	0.66	0.66	0.73	0.80	0.70	0.55	0.52	0.83	0.89	0.78	0.68	0.69
31												
Promedio	0.86	0.83	0.93	0.85	0.84	0.79	0.78	0.74	0.78	0.76	0.75	0.76

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
0.71	0.73	0.73	0.71	0.63	0.69	0.42	0.40	0.49	0.74	0.52	0.63	0.77
0.65	0.65	0.70	0.76	0.76	0.76	0.47	0.46	0.44	0.50	0.50	0.53	0.55
0.42	0.59	0.61	0.59	0.66	0.54	0.66	0.63	0.67	0.64	0.68	0.70	0.57
0.35	0.37	0.39	0.39	0.43	0.41	0.41	0.35	0.45	0.55	0.61	0.61	0.51
1.42	1.40	1.12	0.89	0.97	1.02	1.05	1.02	1.49	1.46	1.36	1.30	0.95
1.26	1.24	1.21	1.15	1.22	1.19	0.86	0.54	0.61	0.64	0.77	0.62	1.03
1.02	0.79	0.74	0.64	0.77	0.90	0.66	0.73	0.85	0.79	0.78	0.94	0.83
0.69	0.66	0.60	0.66	0.76	0.70	0.66	0.57	0.65	0.67	0.93	1.11	0.79
0.82	0.81	0.79	0.79	0.67	0.78	0.94	0.66	0.90	0.96	0.91	0.87	0.95
0.71	0.73	0.77	0.86	0.95	0.86	0.95	1.14	1.12	1.15	1.26	1.30	0.84
1.34	1.18	1.10	1.05	1.09	1.02	1.15	1.21	1.14	1.11	1.18	1.39	1.01
1.34	1.23	1.47	1.27	1.15	1.02	0.94	1.18	1.53	1.41	1.62	1.70	1.22
0.87	0.97	0.88	1.07	0.99	0.94	0.90	0.90	1.03	0.66	0.63	0.66	1.06
0.60	0.58	0.64	0.63	0.60	0.52	0.57	0.68	0.49	0.43	0.47	0.46	0.72
0.53	0.52	0.53	0.53	0.53	0.50	0.47	0.73	0.48	0.36	0.63	0.39	0.66
0.73	0.84	0.96	1.04	0.82	0.57	0.84	0.79	0.47	0.52	0.43	0.50	0.72
1.07	1.10	1.04	1.11	1.05	0.86	0.81	0.86	0.73	0.41	0.50	0.59	0.70
0.73	0.61	0.45	0.56	0.67	0.73	0.65	0.43	0.52	0.60	0.55	0.74	0.63
1.02	0.87	1.12	1.07	0.93	0.76	0.61	0.72	0.87	1.09	1.17	1.01	0.94
1.02	1.16	0.92	0.78	1.01	0.87	0.79	0.90	0.86	1.14	0.93	1.33	0.93
0.89	0.85	0.86	0.87	0.69	0.74	0.61	0.79	0.55	0.51	1.06	0.96	0.95
0.81	0.93	0.74	0.77	0.76	0.86	1.07	0.82	0.62	0.76	0.76	0.65	0.88
0.62	0.63	0.67	0.65	0.69	0.61	0.54	0.95	1.07	1.30	1.24	1.34	0.77
0.60	0.59	0.61	0.72	0.87	1.01	0.61	0.59	0.47	0.44	0.77	0.51	0.96
0.91	0.81	0.91	0.85	0.55	0.48	0.33	0.36	0.49	0.61	0.40	1.29	0.65
0.78	0.69	0.61	0.58	0.29	0.10	0.33	0.99	1.14	0.99	0.85	1.06	0.91
0.79	0.68	0.49	0.64	0.74	0.85	0.76	0.62	0.71	0.71	0.87	0.68	1.03
1.06	1.10	1.14	1.00	0.99	1.11	0.92	1.02	1.51	1.55	1.35	1.28	1.08
0.94	1.01	1.09	0.97	1.07	1.03	1.07	0.83	0.97	0.84	1.23	1.13	1.13
0.73	0.79	0.81	0.79	0.84	0.66	0.68	0.55	0.56	0.44	0.53	0.65	0.81
0.85	0.84	0.82	0.81	0.80	0.77	0.72	0.75	0.79	0.80	0.85	0.90	0.85

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
0.58	0.60	0.62	0.51	0.44	0.45	0.32	0.34	0.38	0.53	0.36	0.42	0.62
0.51	0.51	0.60	0.62	0.72	0.51	0.44	0.34	0.37	0.40	0.42	0.33	0.44
0.51	0.58	0.56	0.60	0.57	0.48	0.62	0.60	0.60	0.60	0.73	0.69	0.52
0.44	0.32	0.32	0.32	0.32	0.37	0.35	0.37	0.39	0.44	0.50	0.57	0.48
1.42	1.40	1.12	0.89	0.97	1.02	1.05	1.02	1.49	1.46	1.36	1.30	0.92
1.07	1.11	1.14	0.99	1.09	0.99	0.64	0.37	0.44	0.44	0.56	0.46	1.04
0.91	0.69	0.65	0.51	0.68	0.67	0.55	0.59	0.78	0.62	0.67	0.65	0.72
0.62	0.62	0.53	0.68	0.69	0.60	0.60	0.51	0.53	0.60	0.82	0.94	0.71
0.72	0.69	0.69	0.74	0.62	0.74	0.79	0.55	0.69	0.90	0.82	0.83	0.85
0.67	0.65	0.71	0.86	0.93	0.79	0.77	0.88	0.92	0.88	1.07	1.29	0.76
1.11	0.97	1.02	1.16	1.05	1.08	0.85	1.13	0.96	0.96	1.21	0.45	1.01
1.24	1.18	1.28	1.14	1.19	0.97	0.99	1.10	1.49	1.49	1.65	1.61	1.19
0.81	0.92	0.87	1.01	0.92	0.62	0.65	0.70	0.78	0.51	0.51	0.53	0.91
0.51	0.53	0.59	0.55	0.49	0.44	0.53	0.64	0.42	0.37	0.42	0.36	0.55
0.51	0.51	0.49	0.53	0.44	0.44	0.36	0.51	0.29	0.32	0.36	0.27	0.52
0.69	0.76	0.87	0.88	0.73	0.53	0.69	0.66	0.36	0.34	0.32	0.40	0.60
0.95	0.90	0.98	0.96	0.96	0.72	0.60	0.60	0.51	0.29	0.38	0.47	0.58
0.58	0.51	0.41	0.56	0.63	0.74	0.51	0.36	0.47	0.46	0.55	0.84	0.55
1.01	0.79	0.94	0.96	0.77	0.69	0.56	0.66	0.84	0.84	1.16	1.01	0.83
1.02	1.07	0.87	0.74	0.87	0.81	0.72	0.82	0.86	0.94	0.93	1.23	0.90
0.82	0.77	0,80	0.77	0.55	0.67	0.50	0.61	0.44	0.75	1.04	0.90	0.85
0.79	0.80	0.72	0.72	0.72	0.78	0.94	0.58	0.58	0.71	0.68	0.59	0.83
0.66	0.64	0.73	0.65	0.68	0.65	0.66	0.95	1.02	1.36	1.13	1.33	0.74
0.55	0.55	0.56	0.65	0.71	0.60	0.46	0.49	0.37	0.43	0.64	0.38	0.92
0.85	0.75	0.80	0.75	0.57	0.39	0.32	0.31	0.39	0.46	0.34	1.13	0.57
0.65	0.58	0.55	0.64	0.30	0.13	0.36	0.92	0.80	0.60	0.49	0.93	0.74
0.72	0.60	0.51	0.62	0.75	0.82	0.67	0.62	0.55	0.71	0.94	0.56	0.91
0.94	1.02	1.06	0.94	0.91	0.94	0.85	1.11	1.56	1.36	1.20	1.10	0.39
0.85	0.94	0.98	0.87	0.84	0.94	0.80	0.55	0.62	0.60	0.60	0.89	0.97
0.58	0.64	0.67	0.74	0.69	0.51	0.62	0.44	0.46	0.32	0.37	0.47	0.63
0.77	0.75	0.76	0.75	0.72	0.67	0.62	0.64	0.68	0.69	0.74	0.77	0.75

IONES LIVIANOS POSITIVOS "n^+" por cm^3

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	707	707	657	657	707	563	563	434	391	347	347	391
2	391	347	304	260	260	217	347	434	434	434	347	434
3	260	347	347	260	304	391	304	565	391	304	260	260
4	347	434	304	347	304	347	260	347	347	260	260	260
5	347	260	260	304	260	304	347	347	391	478	-	-
6	1115	1035	1155	1354	1436	1355	1395	1595	1988	1874	1673	1515
7	489	451	344	451	564	419	376	901	1075	1075	-	-
8	-	-	-	-	-	-	-	434	434	434	347	396
9	782	868	868	868	745	608	521	434	347	347	347	347
10	434	434	570	434	434	347	260	260	260	260	347	434
11	782	1075	876	1030	1151	888	695	515	1035	347	745	1025
12	786	869	521	478	782	565	745	782	868	782	908	869
13	955	955	1155	1075	1115	695	869	1115	1555	1275	1394	1035
14	658	782	868	521	521	658	608	565	608	707	478	608
15	304	478	831	955	782	608	651	695	434	912	955	658
16	260	304	347	434	434	565	614	707	707	869	825	707
17	347	347	260	260	260	260	260	260	304	565	782	869
18	347	347	347	347	260	260	347	434	434	707	707	658
19	707	745	614	617	434	608	521	608	1200	992	995	868
20	608	521	614	608	565	565	608	782	1031	1194	1035	934
21	788	869	695	825	745	782	707	745	782	525	608	434
22	707	782	695	707	695	608	565	395	347	347	347	347
23	434	521	521	521	521	434	434	347	391	260	347	434
24	995	1675	347	942	1075	1075	995	1155	1195	1194	1194	1115
25	347	260	260	391	347	347	521	347	868	658	707	607
26	1355	1235	1350	1194	868	869	994	738	995	1035	825	745
27	955	955	912	866	868	1194	1435	1394	868	825	608	658
28	527	521	651	614	571	694	652	679	752	790	979	602
29	854	978	976	828	752	867	1194	1435	1555	1435	1354	1315
30	608	608	608	658	608	434	521	868	1354	1115	995	782
31												
Promedio	627	681	630	648	633	604	631	677	778	745	740	690

IONES LIVIANOS NEGATIVOS "n^-" por cm^3

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	376	413	376	419	413	376	312	269	226	226	312	188
2	75	150	75	75	75	75	75	75	75	75	74	75
3	75	75	150	150	188	226	188	75	75	75	75	150
4	226	226	150	150	113	150	150	150	150	150	188	226
5	150	150	113	75	75	75	75	150	188	312	640	1562
6	828	828	905	1052	1098	1098	1082	1325	1730	1565	1565	1425
7	188	150	150	226	226	188	269	601	902	1220	1188	905
8	376	376	301	226	270	270	312	270	344	312	226	376
9	602	602	602	602	451	376	312	226	226	226	226	312
10	376	312	376	344	269	150	150	75	113	150	188	188
11	752	2169	2036	1323	1495	1527	828	782	521	174	528	695
12	658	831	658	304	707	478	521	532	526	564	715	639
13	678	828	864	715	791	451	639	639	1289	1154	1063	905
14	226	150	150	150	150	150	75	226	414	451	451	451
15	75	113	312	312	188	226	150	376	338	790	867	489
16	75	181	144	226	188	312	269	301	451	601	601	526
17	75	150	226	75	220	150	150	150	188	451	602	752
18	150	150	150	150	150	150	188	226	-	-	-	-
19	484	484	376	484	415	376	376	-	1151	752	902	752
20	484	484	376	484	415	376	376	695	1195	1555	1394	1355
21	608	695	434	695	478	565	614	601	714	564	676	564
22	489	489	489	451	639	602	376	312	312	312	376	376
23	226	312	312	226	226	312	226	188	226	150	150	226
24	527	312	2032	682	828	867	752	932	1084	941	976	941
25	150	150	75	75	75	150	150	113	602	526	526	564
26	941	829	829	676	614	344	526	419	829	829	639	526
27	679	639	602	677	526	752	1012	898	263	419	376	312
28	414	113	231	226	494	602	457	419	752	828	941	526
29	714	752	752	676	564	602	752	1151	1390	1220	1154	1052
30	150	226	150	188	226	150	188	602	1188	976	790	602
31												
Promedio	394	445	480	404	412	404	385	441	602	606	635	609

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
391	434	434	391	391	434	347	260	347	347	391	391	460
391	391	304	391	478	434	347	434	260	260	260	260	351
260	260	260	347	260	260	304	304	347	434	434	391	327
260	260	304	347	304	304	347	347	260	260	260	347	309
745	952	868	608	825	912	868	868	1035	1115	1155	1115	562
1315	1275	1075	990	1115	887	787	376	376	376	451	376	1120
-	-	-	-	-	-	-	-	-	-	-	-	614
260	347	260	396	483	521	483	483	434	434	570	695	436
434	434	434	434	521	571	521	521	396	483	521	434	533
434	434	396	521	608	608	707	1119	868	782	825	825	525
1145	1115	1035	868	912	825	868	782	745	571	955	787	866
1115	1234	1035	745	869	608	738	825	1035	995	1075	1115	848
1155	1275	1234	1115	952	745	782	782	651	434	391	478	968
658	782	782	695	521	374	260	260	260	174	260	260	536
658	608	658	745	565	434	438	304	260	260	260	260	571
825	912	869	912	652	521	347	478	260	260	260	260	555
1315	1195	1155	1075	995	651	658	434	260	260	304	347	559
608	565	478	260	260	260	347	347	347	347	347	521	412
879	782	782	707	695	478	434	478	608	707	707	614	699
782	782	707	434	707	571	658	608	614	614	608	782	706
434	434	434	434	260	478	478	478	434	391	658	658	586
391	434	434	434	478	434	521	391	347	521	434	434	491
434	434	434	347	434	347	434	434	478	707	658	521	451
868	782	825	952	1035	1315	478	434	260	347	347	347	873
825	868	782	695	391	391	260	347	391	521	614	1111	536
782	707	565	434	738	391	391	831	868	675	478	738	825
608	521	260	347	478	608	642	434	434	434	521	434	719
602	676	752	790	752	714	790	677	1048	1048	828	676	724
1194	1194	1194	1035	1035	869	831	608	478	565	658	745	999
608	608	707	925	608	478	434	434	434	347	347	347	643
703	714	671	634	632	566	534	520	501	506	537	561	632

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
150	150	150	150	75	75	150	113	75	75	75	75	217
75	75	75	75	113	113	150	113	75	75	75	75	86
75	75	75	150	150	113	150	188	226	226	269	226	143
188	113	188	150	226	150	113	113	113	113	188	226	163
1046	1014	790	676	676	676	526	602	708	828	976	940	543
1153	1052	867	752	741	376	226	270	188	231	188	226	965
602	409	301	601	344	270	270	226	312	226	270	344	433
312	312	270	344	270	150	150	226	150	226	382	526	291
226	312	312	312	226	263	226	226	226	344	376	312	338
226	150	226	451	414	312	301	231	312	301	376	564	273
869	782	869	1035	782	825	782	707	434	565	608	-	917
828	1045	867	639	639	414	451	451	715	752	941	976	666
1014	1154	1052	838	715	382	344	188	344	150	226	188	502
526	602	676	451	301	188	75	75	75	75	75	75	249
526	451	489	676	376	344	150	115	150	150	115	113	324
601	828	752	676	419	312	151	269	75	75	75	75	341
1052	1013	941	879	752	338	113	232	113	75	188	263	372
-	-	-	-	-	-	-	-	-	-	-	-	164
752	676	639	526	382	269	150	188	312	414	451	451	513
1035	955	868	434	658	434	434	434	434	565	521	565	609
451	376	376	312	226	301	75	75	226	150	344	451	440
376	376	344	312	312	312	312	226	601	313	312	312	389
312	344	376	376	312	269	312	312	382	638	638	526	316
714	693	676	752	868	715	188	269	75	188	75	150	676
714	676	602	414	526	188	113	150	150	150	269	602	321
602	489	344	376	526	451	226	382	382	113	226	296	509
451	274	113	226	312	527	601	274	527	1123	376	563	540
451	526	777	790	639	602	526	564	864	902	639	564	577
976	976	979	716	679	526	414	270	188	226	226	231	716
451	344	451	564	376	226	188	188	188	150	150	188	371
578	560	533	505	449	349	271	265	297	325	348	361	444

IONES PESADOS POSITIVOS "N^+" por cm^3

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	-	-	-	-	-	-	-	4490	5380	4490	898	3585
2	8060	9860	12590	17950	12590	13430	16130	-	-	-	-	-
3	11690	-	-	-	-	-	-	-	-	17050	20350	14350
4	9860	4490	7180	-	3585	6295	8060	11690	17050	13430	11690	14350
5	3585	5380	8950	9860	9860	15250	7180	-	-	-	-	3585
6	-	-	26900	17950	12590	12590	10770	12590	8060	18870	20350	20350
7	20350	17050	17950	25150	12590	15250	17950	14350	21520	27800	27800	-
8	-	-	-	-	-	-	-	-	-	-	-	-
9	1795	1795	2690	2690	3585	3585	3585	3585	3585	4490	4490	4490
10	1795	3585	1795	2690	1795	6295	8060	10770	7180	4490	2690	3585
11	898	1795	5380	2690	1795	898	6295	3585	1795	898	898	2690
12	898	898	1795	4490	898	1795	898	898	1795	1795	1795	1795
13	1795	898	898	2690	1795	2690	2690	2690	3585	4490	5380	7180
14	3585	2690	2690	3585	4490	3585	4490	5380	898	1795	7180	8950
15	6295	5380	3585	2690	3585	4490	4490	4490	8950	8060	5380	10770
16	12590	10770	8950	-	-	-	6295	7180	6295	5380	5380	8060
17	8950	7180	7180	9860	10770	11690	12590	12590	14350	8950	9860	7180
18	12590	12590	12590	13430	17050	13430	14350	16130	11690	7180	9860	9860
19	-	-	3585	4490	5380	5380	5380	5380	4490	7180	4490	4490
20	4490	3585	4490	3585	3585	3585	5380	3585	2690	3585	3585	3585
21	1795	1795	4490	2690	3585	3585	4490	3585	1795	1795	1795	2690
22	-	-	-	-	-	-	-	5380	4490	3585	2690	1795
23	4490	-	5380	-	-	-	3585	5380	5380	12590	8950	5380
24	2690	2690	1795	-	-	1795	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	5380	7180
26	898	1795	1795	1795	2690	4490	3585	3585	3585	3585	5380	7180
27	1795	1795	898	1795	898	1795	1795	898	898	898	1795	1795
28	3585	5380	3585	2690	1795	1795	2690	2690	898	898	3585	6295
29	898	898	1795	1795	898	1795	2690	2690	1795	2690	2690	2690
30	5380	5380	5380	4490	5380	4490	8060	5380	5380	5380	5380	6295
31												
Promedio	5448	4894	6173	6622	5509	6086	6729	6207	5981	6854	6912	6544

IONES PESADOS NEGATIVOS "N^-" por cm^3

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	-	-	-	-	-	-	-	8950	8060	7180	3585	7180
2	10770	12590	21520	21520	13430	16130	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	6295	13430	20700	16130	-	-	-	-
5	41200	26000	34080	82200	-	50300	43000	-	-	-	-	8950
6	-	-	17950	16130	15250	14350	15250	15250	17050	24200	25150	17950
7	24200	20350	25150	20700	17050	20700	24200	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-
9	3585	4490	2690	4490	6295	3585	4490	5380	4490	4490	4490	2690
10	3585	4490	4490	8060	6295	11690	13430	13430	12590	37680	13430	7180
11	3585	3585	4490	5380	2690	7180	3585	6295	898	898	3585	4490
12	898	1795	2690	4490	2690	2690	898	1795	898	2690	898	898
13	898	1795	898	1795	1795	2690	2690	1795	1795	4490	4490	5380
14	4490	1795	1795	3585	4490	5380	3585	8950	898	1795	6295	12590
15	3585	3585	3585	2690	4490	6295	3585	4490	16130	5380	9860	8950
16	12590	8950	8950	-	-	-	5380	5380	5380	4490	5380	8950
17	10770	8060	8950	8950	10770	11690	17950	12590	14350	12590	8950	9860
18	16130	12590	14350	12590	13430	15250	14350	17950	8950	7180	7180	11690
19	-	-	6295	8950	6295	8950	6295	4490	6295	7180	3585	1795
20	5380	6295	6295	6295	5380	5380	6295	3585	2690	3585	4490	3585
21	1795	1795	1795	3585	5380	2690	2690	3585	2690	5380	1795	3585
22	-	-	-	-	-	-	-	6295	3585	-	-	-
23	-	-	-	-	-	-	-	-	12590	12590	8060	7180
24	3585	1795	3585	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	8950	7180
26	2690	5380	2690	3585	5380	8060	2690	7180	8060	5380	5380	6295
27	3585	2690	2690	3585	3585	1795	1795	898	1795	1795	1795	3585
28	6295	5380	4490	2690	1795	4490	2690	4490	2690	2690	6295	9860
29	898	2690	1795	2690	898	2690	3585	5380	3585	2690	6295	1795
30	5380	5380	6295	5380	6295	6295	7180	6295	5380	4490	4490	7180
31												
Promedio	7900	6737	8153	10921	6666	10078	9378	7299	6402	7564	6565	6904

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
3585	4490	6295	3585	3585	6295	14350	17950	13430	7180	7180	8060	6755
-	4490	3585	3585	-	10770	11690	17950	18870	17050	15250	14350	12247
14350	16130	18870	14350	16130	15250	12590	14350	15250	15250	14350	13430	15234
12590	12590	17050	13430	11690	14350	23360	14350	18870	8950	5380	4490	11512
1795	2690	3585	-	-	-	-	-	-	-	-	-	6520
12590	13430	13430	13430	7180	8060	26900	-	37680	35000	24200	33190	18386
-	-	-	-	-	-	-	-	-	-	-	-	19796
-	-	-	-	-	4490	7180	10770	7180	5380	3585	3585	7028
3585	2690	2690	3585	3585	4490	3585	7180	6295	2690	1795	3585	3588
1795	2690	1795	1795	898	1795	3585	1795	1795	1795	898	898	3178
1795	1795	1795	1795	898	1795	898	1795	1795	898	1795	1795	2020
898	1795	1795	1795	1795	2690	1795	898	-	898	898	1795	1533
5380	3585	1795	1795	3585	3585	3585	4490	4490	6295	7180	5380	3664
6295	5380	5380	7180	7180	5380	8060	8950	8950	6295	8950	8950	5678
9860	10770	10770	8060	10770	9860	10770	15250	14350	15250	15250	13430	8856
7180	6295	3585	3585	3585	8950	14350	6295	11690	10770	12590	9860	8078
3585	3585	2690	3585	2690	2690	4490	8950	12590	12590	11690	13430	8488
8060	9860	10770	13430	13430	11690	10770	16130	12590	-	-	-	12261
2690	5380	3585	3585	3585	5380	12590	8950	4490	3585	3585	3585	5056
1795	1795	3585	4490	4490	3585	5380	5380	5380	3585	2690	3585	3811
1795	2690	-	-	-	-	-	-	-	-	-	-	2755
2690	2690	4490	-	-	3585	6295	6295	4490	4490	4490	5380	4189
4490	2690	3585	3585	2690	2690	3585	2690	2690	2690	2690	3585	4440
-	-	-	-	-	-	-	-	-	-	-	-	2242
5380	4490	4490	5380	5380	9860	11690	9860	9860	8950	8950	3585	7174
7180	5380	8060	8060	12590	13770	13430	2690	1795	3585	4490	3585	5207
5380	8060	14350	11690	7180	7180	6295	8950	8060	8950	8060	14350	5232
2690	898	3585	3585	3585	2690	2690	1795	898	898	1795	1795	2616
4490	2690	2690	2690	2690	1795	1795	3585	8060	5380	5380	5380	2914
7180	7180	7180	6295	6295	6295	13430	16130	16130	15250	15250	13430	8184
5350	5415	6211	6014	5891	6499	9044	8537	9907	8146	7535	7780	6679

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
3585	7180	7180	3585	6295	8060	13430	17050	14350	10770	10770	8950	8598
-	5380	8950	7180	-	23360	21520	24200	30530	23360	21520	12590	17159
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	14139
7180	3585	4490	-	-	-	-	-	-	-	-	-	3010
16130	16130	14350	20700	11690	23360	38600	39420	39420	30580	30580	28730	22192
-	-	-	-	-	-	-	-	-	-	-	-	21764
-	-	-	-	-	7180	9860	8950	8060	7180	4490	5380	7300
7180	2690	2690	3585	7180	5380	18870	8060	6295	3585	4490	3585	5198
5380	8950	2690	2690	5380	3585	6295	2690	2690	3585	898	1795	7624
3585	6295	4490	3585	1795	898	898	4490	1795	4490	898	2690	3440
898	2690	898	5380	4490	4490	5380	898	-	898	898	1795	2263
3585	898	3585	3585	4490	7180	3585	3585	5380	8060	5380	8060	3662
8060	3585	6295	7180	7180	5380	9860	6295	5380	6295	7180	6295	5610
13430	9860	7180	10770	11690	6295	10770	16130	17050	14350	14350	14350	9119
5380	4490	3585	3585	3585	7180	8950	16130	7180	13430	13430	11690	7812
5380	1795	5380	898	3585	5380	7180	5380	15250	15250	12590	13430	9457
8950	7180	13430	12590	15250	9860	13430	20350	8950	-	-	-	12459
6295	4490	3585	7180	4490	8060	12590	8060	3585	1795	4490	3585	5833
2690	3585	5380	4490	6295	6295	7180	5380	2690	1795	1795	1795	4526
898	-	-	-	-	-	-	-	-	-	-	-	2897
-	-	-	-	-	-	-	8950	8950	5380	5380	-	6423
-	5380	4490	-	2690	5380	4490	6295	6295	4490	3585	3585	6221
-	-	-	-	-	-	-	-	-	-	-	-	2988
3585	6295	5380	5380	8950	12590	11690	14350	9860	8950	7180	3585	8138
6295	9860	8060	9860	20350	13430	11690	5385	1795	4490	4490	4490	6790
7180	10770	17050	12590	6295	5380	8950	14350	15250	14350	7180	8950	6579
4490	898	7180	3585	4490	3585	1795	898	898	1795	2690	3585	3739
3585	2690	1795	5380	1795	3585	1795	4490	5380	7180	8060	5380	3588
7180	8060	7180	7180	7180	12590	14350	17050	17950	15250	15250	14350	8900
5951	5771	6317	6712	6912	8195	10572	10785	10217	9013	8155	7666	7951

COMPONENTE NORTE en MV/Km.

DIAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	10.6	12.1	13.6	13.6	12.1	10.6	7.6	7.6	9.1	6.0	9.1	13.6	15.1
2	12.1	15.1	18.1	15.1	13.6	13.6	12.1	6.0	6.0	7.6	6.0	9.1	9.1
3	7.6	18.1	16.6	18.1	13.6	10.6	10.6	12.1	12.1	15.1	10.6	9.1	7.6
4	-	-	-	-	-	-	-	9.1	15.1	15.1	12.1	15.1	15.1
5	13.6	16.6	19.7	21.2	13.6	15.1	15.1	13.6	15.1	13.6	15.1	15.1	12.1
6	16.6	15.1	18.1	18.1	16.6	12.1	22.7	12.1	12.1	10.6	1.5	9.1	6.0
7	13.6	16.6	13.6	15.1	10.6	12.1	10.6	10.6	9.1	4.5	3.0	9.1	6.0
8	15.1	15.1	15.1	15.1	12.1	7.6	7.6	6.0	13.6	15.1	4.5	22.7	12.1
9	16.6	18.1	18.1	19.7	15.1	18.1	18.1	12.1	12.1	10.6	6.0	6.0	15.1
10	6.0	15.1	16.6	19.7	16.6	12.1	9.1	13.6	12.1	12.1	9.1	10.6	13.6
11	18.1	19.7	21.2	21.2	22.7	18.1	10.6	7.6	3.0	6.0	9.1	6.0	7.6
12	15.1	12.1	16.6	18.1	16.6	15.1	12.1	9.1	9.1	12.1	- 3.2	4.5	9.1
13	15.1	7.6	7.6	19.7	15.1	13.6	9.1	9.1	15.1	12.1	3.0	1.5	3.0
14	1.2	13.6	21.2	19.7	12.1	9.1	9.1	3.0	10.6	9.1	12.1	13.6	13.6
15	13.6	13.6	13.6	15.1	12.1	9.1	7.6	9.1	15.1	4.5	6.0	16.6	9.1
16	1.5	12.1	18.1	16.6	15.1	19.7	24.2	- 1.6	7.6	10.6	1.5	1.5	7.6
17	13.6	19.7	18.1	19.7	12.1	13.6	18.1	19.7	16.6	22.7	18.1	18.1	6.0
18	18.1	24.2	19.7	25.7	24.2	13.6	16.6	13.6	16.6	16.6	13.6	15.1	13.6
19	19.7	19.7	18.1	21.2	16.6	15.1	12.1	6.0	13.6	13.6	15.1	18.1	4.5
20	15.1	24.2	18.1	28.7	19.7	13.6	9.1	7.6	15.1	4.5	15.1	16.6	21.2
21	19.7	13.6	18.1	19.7	19.7	19.7	10.6	1.5	18.1	16.6	13.6	18.1	21.2
22	34.8	15.1	24.2	25.7	15.1	13.6	12.1	6.0	16.6	10.6	24.2	22.7	18.1
23	13.6	22.7	21.2	24.2	16.6	15.1	16.6	13.6	13.6	18.1	15.7	19.7	18.1
24	12.1	19.7	24.2	24.2	18.1	15.1	7.6	12.1	12.1	13.6	18.1	-	-
25	27.2	16.6	18.1	15.1	12.1	12.1	7.6	7.6	10.6	13.6	21.2	12.1	19.7
26	27.2	40.8	37.8	30.2	21.2	19.7	24.2	30.2	18.1	21.2	19.7	21.2	18.1
27	24.2	28.7	28.7	30.2	10.6	12.1	18.1	1.5	12.1	15.1	16.6	18.1	21.2
28	24.2	21.2	24.1	24.1	18.1	22.7	15.1	10.6	15.1	18.1	19.7	22.7	19.7
29	18.1	21.2	19.7	22.7	18.1	18.1	12.1	4.5	9.1	16.6	19.7	16.6	15.1
30	9.1	22.7	18.1	22.7	18.1	15.1	15.1	-	15.1	16.6	18.1	19.7	18.1
31													
Prom	15.6	18.3	19.2	20.7	15.8	14.3	13.1	9.4	12.6	12.7	11.8	13.9	13.0
Var.	2.9	5.6	6.5	8.0	3.1	1.6	0.4	- 3.3	- 0.1	0.0	- 0.9	1.2	0.3

COMPONENTE ESTE en MV/Km.

DIAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	17.1	20.0	17.1	17.1	8.6	4.3	5.7	11.4	11.4	11.4	5.7	8.6	10.0
2	14.2	18.5	15.7	15.7	14.2	11.4	10.0	8.6	5.7	4.3	4.3	4.3	8.6
3	5.7	15.7	15.7	17.1	12.8	4.5	7.1	11.4	10.0	14.2	11.4	8.6	8.6
4	-	-	-	-	-	-	-	10.0	7.1	10.0	5.7	8.6	7.1
5	21.4	21.4	20.0	21.4	11.4	5.7	5.7	11.4	12.8	11.4	8.6	8.6	12.8
6	11.4	14.2	11.4	11.4	- 4.3	- 4.3	1.4	4.3	4.3	4.3	4.3	5.7	2.8
7	8.6	11.4	11.4	11.4	1.4	- 8.6	1.4	2.8	1.4	1.4	2.8	5.7	4.3
8	15.7	17.1	14.2	10.0	2.8	- 5.7	1.4	4.3	4.3	5.7	- 2.8	7.1	7.1
9	12.8	17.1	15.7	14.2	12.8	10.0	8.6	5.7	8.6	4.3	8.6	10.0	7.1
10	7.1	20.0	18.5	14.2	8.6	2.8	- 1.4	7.1	10.0	10.0	8.6	7.1	8.6
11	14.2	15.7	14.2	10.0	1.4	- 1.4	1.4	8.6	8.6	8.6	2.8	2.8	1.4
12	8.6	14.2	12.8	8.6	2.8	1.4	- 4.3	5.7	2.8	4.3	2.8	1.4	1.4
13	11.4	12.8	7.1	5.7	1.4	- 5.7	- 5.7	2.8	- 2.8	1.4	2.8	2.8	2.8
14	11.4	12.8	10.0	8.6	2.8	1.4	1.4	2.8	8.6	4.3	4.3	2.8	1.4
15	10.0	12.8	11.4	8.6	1.4	- 2.8	1.4	5.7	4.3	5.7	4.3	5.7	7.1
16	5.7	15.7	10.0	11.4	7.1	7.1	4.3	2.8	2.8	2.8	2.8	1.4	4.3
17	4.3	12.8	12.8	12.8	11.4	2.8	11.4	10.0	4.3	10.0	8.6	8.6	7.1
18	14.2	18.5	15.7	11.4	8.6	1.4	5.7	7.1	5.7	8.6	5.7	5.7	7.1
19	11.4	18.5	14.2	15.7	8.6	- 2.8	5.7	7.1	7.1	5.7	7.1	8.6	7.1
20	11.4	20.0	17.1	11.4	8.6	2.8	5.7	11.4	11.4	8.6	4.3	8.6	5.7
21	17.1	25.6	18.5	18.5	11.4	5.7	8.6	15.7	11.4	11.4	7.1	11.4	11.4
22	20.0	24.2	20.0	18.5	10.0	2.8	10.0	15.7	11.4	12.8	14.2	15.7	11.4
23	15.7	21.4	17.1	20.0	18.5	17.1	14.2	15.7	10.0	8.6	11.4	7.1	12.8
24	8.6	12.8	12.8	17.1	10.0	7.1	5.7	11.4	12.8	11.4	11.4	-	-
25	14.2	18.5	12.8	17.1	4.3	10.0	7.1	11.4	5.7	8.6	7.1	8.6	10.0
26	17.1	18.1	12.8	14.2	7.1	5.7	7.1	- 1.4	- 7.1	8.6	5.7	10.0	8.6
27	14.2	21.4	17.1	14.2	10.0	- 1.4	1.4	5.7	7.1	2.8	2.8	5.7	4.3
28	18.5	20.0	17.1	14.2	7.1	4.3	4.3	2.8	5.7	4.3	1.4	5.7	8.6
29	7.1	12.8	8.6	5.7	2.8	- 1.5	4.3	4.3	2.8	2.8	4.3	- 1.4	5.7
30	11.4	14.2	11.4	11.4	11.4	7.1	4.3	-	2.8	5.7	8.6	2.8	4.3
31													
Prom	12.4	17.2	14.2	13.4	7.4	2.8	4.6	7.7	6.4	7.1	6.1	6.5	6.9
Var.	3.8	8.6	5.6	4.8	- 1.2	- 5.8	- 4.0	- 0.9	- 2.2	- 1.5	- 2.5	- 2.1	- 1.7

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
6.0	- 4.5	6.0	- 3.2	3.0	4.5	6.0	9.1	10.6	13.6	9.1	8.7	1
7.6	4.5	9.1	7.6	12.1	9.1	10.6	12.1	7.6	12.1	10.6	10.3	0
9.1	7.6	9.1	3.0	6.0	6.0	4.5	-	-	-	-	10.4	1
10.6	9.1	6.0	7.6	9.1	10.6	12.1	15.1	12.1	22.7	16.6	12.5	1
7.6	- 1.6	9.1	6.0	4.5	3.0	7.6	9.1	16.6	19.7	12.1	12.2	1
6.0	9.1	- 3.2	1.5	7.6	6.0	9.1	13.6	9.1	16.6	10.6	10.7	1
6.0	4.5	1.5	4.5	6.0	9.1	10.6	13.6	10.6	18.1	13.6	9.7	0
12.1	1.5	3.0	6.0	1.5	4.5	7.6	9.1	12.1	18.1	9.1	10.3	1
15.1	4.5	3.0	9.1	6.0	9.1	6.0	13.6	13.6	21.2	15.1	12.6	1
15.1	9.1	12.1	7.6	7.6	13.6	13.6	15.1	9.1	19.7	15.1	12.7	1
15.1	3.0	1.5	7.6	1.5	- 3.2	15.1	4.5	9.1	7.6	9.1	10.1	2
12.1	10.6	6.0	3.0	6.0	- 3.2	1.5	12.1	1.4	15.1	7.6	9.1	2
12.1	- 3.2	15.1	3.0	1.5	3.0	6.0	13.6	1.5	21.2	3.0	8.7	2
12.1	3.0	1.5	- 3.2	4.5	10.6	9.1	6.0	7.6	9.1	10.6	9.1	0
10.6	9.1	- 1.6	4.7	1.5	9.1	9.1	12.1	12.1	12.1	4.5	9.5	1
10.6	13.6	9.1	3.0	-17.5	18.1	6.0	15.1	10.6	18.1	12.1	9.7	2
10.6	7.6	12.1	4.5	- 1.6	1.5	18.1	16.6	10.6	15.1	7.6	13.3	2
9.1	- 3.2	6.0	7.6	-	-	-	-	19.7	16.6	15.1	15.1	1
-11.1	3.0	- 6.4	13.6	9.1	18.1	15.1	18.1	21.2	18.1	6.0	12.4	2
19.7	3.0	10.6	15.1	33.3	12.1	19.7	18.1	9.1	18.1	22.7	16.2	2
21.2	7.6	10.6	12.1	9.1	12.1	16.6	19.7	16.6	16.6	15.1	15.3	1
21.2	7.6	- 6.4	12.1	6.0	15.1	18.1	15.1	21.2	19.7	9.1	15.7	2
18.1	16.6	4.5	- 1.6	9.1	12.1	9.1	21.2	13.6	12.1	19.7	15.1	1
-	-	-	-	12.1	15.1	13.6	15.1	13.6	12.1	9.1	14.9	0
9.1	3.0	- 6.4	- 1.6	9.1	4.5	4.5	22.7	4.5	44.9	10.6	12.4	2
15.1	12.1	10.6	10.6	15.1	18.1	22.7	16.6	15.1	18.1	19.7	20.9	1
22.7	19.7	16.6	9.1	13.6	10.6	10.6	9.1	33.3	22.7	22.7	17.8	1
19.7	16.6	15.1	10.6	10.6	13.6	13.6	21.2	15.1	19.7	15.1	17.8	1
10.6	16.6	7.6	6.0	9.1	13.6	18.1	10.6	16.6	18.1	10.6	14.5	1
18.1	13.6	9.1	10.6	13.6	10.6	13.6	13.6	12.1	13.6	13.6	15.2	0
12.1	7.3	5.9	6.1	7.2	9.2	11.3	13.9	12.6	17.6	12.2	-12.7	
- 0.6	- 5.4	- 6.8	- 6.6	- 5.5	- 3.5	- 1.4	1.2	- 0.1	4.9	- 0.5		

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
10.0	14.2	12.8	7.1	8.6	5.7	7.1	11.4	12.8	20.0	15.7	11.4	1
5.7	5.7	10.0	5.7	8.6	5.7	8.6	8.6	12.8	12.8	14.2	9.7	1
12.8	7.1	12.8	10.0	8.6	10.0	8.6	-	-	-	-	10.6	1
10.0	5.7	12.8	11.4	8.6	8.6	11.4	14.2	18.5	21.4	20.0	11.2	1
-	4.3	10.0	2.8	2.8	- 1.4	4.3	2.8	1.4	12.8	8.6	9.2	1
1.4	- 1.4	- 1.4	- 1.4	- 1.4	- 2.8	1.4	2.8	2.8	10.0	8.6	3.6	0
5.7	4.3	2.8	7.1	2.8	4.3	4.3	5.7	7.1	15.7	14.2	5.4	1
8.6	8.6	8.6	7.1	5.7	8.6	8.6	8.6	12.8	17.1	17.1	8.0	1
8.6	10.0	10.0	11.4	4.3	4.3	2.8	11.4	10.0	10.0	11.4	9.6	0
8.6	10.0	10.0	8.6	7.1	7.1	7.1	8.6	10.0	12.8	14.2	9.4	1
2.8	1.4	8.6	8.6	2.8	1.4	1.4	2.8	8.6	8.6	11.4	6.1	1
2.8	1.4	2.8	4.7	1.4	- 1.4	1.4	5.7	5.7	8.6	10.0	4.4	0
2.8	1.4	1.4	2.8	2.8	1.4	2.8	7.1	7.1	8.6	7.1	3.4	1
4.3	1.4	5.7	2.8	2.8	1.4	1.4	5.7	5.7	10.0	10.0	5.2	1
5.7	5.7	5.7	2.8	1.4	1.4	5.7	7.1	10.0	8.6	8.6	5.8	0
2.8	4.3	5.7	- 1.4	5.7	1.4	2.8	10.0	1.4	10.0	8.6	5.4	0
8.6	5.7	8.6	4.3	5.7	4.3	5.7	11.4	11.4	12.8	10.0	8.6	0
8.6	8.6	10.0	5.7	-	-	-	-	12.8	15.7	11.4	9.4	1
10.0	4.3	10.0	1.4	4.3	5.7	5.7	10.0	8.6	18.5	14.2	8.6	1
12.8	12.8	11.4	5.7	51.4	2.8	7.1	15.7	12.8	20.0	17.1	12.4	2
11.4	14.2	14.2	14.2	18.5	14.2	12.8	15.7	17.1	20.0	18.5	14.4	1
15.7	17.1	14.2	12.8	10.0	11.4	11.4	14.2	15.7	20.0	17.1	14.4	1
8.6	10.0	10.0	7.1	7.1	5.7	7.1	7.1	15.7	10.0	8.6	11.9	0
-	-	-	-	14.2	11.4	11.4	12.8	11.4	15.7	15.7	11.9	1
11.4	10.0	12.8	12.8	10.0	11.4	10.0	10.0	14.2	14.2	17.1	11.2	1
10.0	7.1	10.0	7.1	7.1	10.0	8.6	11.4	12.8	18.5	14.2	9.4	1
8.6	- 2.8	10.0	1.4	8.6	8.6	11.4	17.1	11.4	18.1	17.1	9.0	1
10.0	4.3	5.7	4.3	2.8	2.8	5.7	7.1	7.1	11.4	8.6	7.6	1
4.3	1.4	4.3	2.8	4.3	2.8	2.8	5.7	5.7	8.6	11.4	4.7	1
2.8	- 2.8	7.1	4.3	5.7	5.7	10.0	5.7	7.1	8.6	7.1	6.8	1
7.7	6.0	8.5	6.0	7.7	5.2	6.5	9.2	10.0	13.8	12.7	- 8.6	
- 0.9	- 2.6	- 0.1	- 2.6	- 0.9	- 3.4	- 2.1	0.6	1.4	5.2	4.1		

PRESIÓN ATMOSFÉRICA

en mm. de Hg. al nivel del Observatorio: 700 mm.+ ...

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	60.9	60.4	60.0	60.1	60.3	60.4	60.7	60.6	60.5	60.4	60.1	59.5	58.6	58.2	57.8
2	58.8	58.4	57.9	57.7	57.7	57.9	58.0	57.8	57.8	57.5	57.0	56.5	55.6	55.1	54.6
3	56.5	56.3	56.3	56.3	56.7	57.1	57.6	58.0	57.8	57.9	57.8	57.0	56.6	56.6	56.0
4	57.5	56.9	56.6	56.2	56.1	56.2	56.1	56.0	55.8	55.4	54.3	53.8	53.0	52.0	51.0
5	49.9	49.6	48.7	48.2	48.4	49.4	50.3	50.8	51.1	52.1	52.8	53.8	54.0	54.4	54.4
6	62.2	61.9	62.1	62.9	63.6	63.8	64.2	64.6	64.5	64.4	64.3	64.0	63.4	63.0	62.8
7	61.7	61.6	61.5	61.1	61.2	61.5	61.6	61.4	61.5	61.2	60.7	59.8	59.9	58.0	57.2
8	53.7	53.9	53.8	53.5	53.9	54.1	54.0	54.0	54.1	53.8	53.5	53.2	52.5	51.6	51.0
9	52.1	51.9	51.8	51.7	51.6	51.3	51.4	51.0	50.9	50.3	49.9	49.5	48.5	47.8	47.4
10	50.6	50.4	50.0	49.4	48.9	49.0	49.1	49.7	49.1	49.4	49.8	49.8	49.9	50.0	50.6
11	55.3	55.3	55.2	56.4	56.4	56.2	56.8	55.6	56.5	57.5	57.2	56.9	56.5	56.2	56.1
12	57.5	53.5	51.4	52.8	54.3	54.5	55.2	55.6	55.6	55.8	55.9	55.6	55.5	54.8	55.3
13	62.8	62.8	62.6	62.8	63.4	64.2	65.1	66.2	66.3	66.5	66.4	66.2	65.8	65.1	65.3
14	69.1	69.3	69.0	68.9	69.1	69.6	69.8	70.3	70.3	70.3	70.3	69.7	69.0	68.6	68.4
15	68.9	68.9	68.7	68.9	69.3	69.4	69.6	70.0	70.4	70.6	70.6	70.4	69.8	69.4	69.4
16	71.9	71.9	71.4	71.2	71.5	71.8	72.4	72.4	72.7	72.7	72.8	71.7	71.1	70.3	70.2
17	72.4	72.3	72.2	71.7	71.9	71.9	72.4	72.3	72.4	72.4	72.3	71.7	70.9	70.4	70.2
18	70.3	69.9	69.8	69.6	69.7	70.0	70.1	70.4	70.2	70.2	69.9	69.0	68.1	67.2	66.8
19	66.2	66.2	65.9	65.8	66.2	66.6	67.2	67.5	67.5	67.5	67.0	66.7	66.1	65.9	65.7
20	65.6	65.2	64.7	64.7	64.9	64.8	65.1	64.9	64.8	64.6	64.2	63.3	62.9	62.0	61.4
21	60.3	59.8	59.2	59.4	59.8	59.9	60.2	59.7	59.8	59.6	59.3	58.8	57.8	57.0	56.2
22	56.1	55.9	55.9	55.9	55.9	56.0	56.2	55.8	55.6	55.2	54.9	54.2	53.1	52.6	52.4
23	53.6	53.7	53.5	53.5	53.8	54.0	54.1	53.7	53.9	54.0	53.8	53.2	53.2	53.0	53.0
24	57.9	58.4	58.4	59.1	59.2	59.6	60.6	61.0	61.1	61.1	61.0	60.9	60.3	59.6	59.7
25	61.7	61.8	61.5	61.1	61.0	61.3	61.7	61.9	62.0	62.1	61.9	61.4	60.0	59.6	59.0
26	59.0	58.8	58.7	58.6	58.7	58.9	59.0	58.8	58.6	58.7	57.8	57.5	57.6	57.2	56.7
27	59.9	60.0	60.4	61.1	61.5	61.7	62.0	63.0	63.0	62.8	62.7	62.0	61.2	60.2	59.7
28	57.4	56.8	56.5	56.0	55.5	55.3	55.4	54.8	54.5	54.2	54.0	53.6	53.3	53.1	53.4
29	64.0	64.3	65.0	65.5	66.7	68.1	69.1	69.9	70.1	70.5	70.5	70.3	70.3	70.1	69.8
30	71.6	71.5	71.4	71.6	72.2	72.3	72.6	72.6	72.7	72.7	72.6	72.0	71.4	70.4	70.4
31															
Prom	60.8	60.6	60.3	60.4	60.6	60.9	61.2	61.3	61.4	61.4	61.2	60.7	60.2	59.7	59.4

TEMPERATURA DEL AIRE

a la sombra en grados C.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	16.5	11.2	10.4	10.0	9.5	8.0	9.4	12.1	14.4	16.9	19.4	20.8	21.8	22.5	22.9
2	9.0	8.1	9.4	10.0	10.4	8.8	10.1	15.1	18.1	20.4	22.2	23.3	24.2	24.6	24.8
3	11.3	9.7	8.6	9.1	8.3	7.3	6.9	11.9	15.5	20.6	21.8	23.0	23.5	22.8	22.3
4	15.2	15.7	15.7	15.0	14.7	14.4	14.4	15.2	16.1	17.3	17.4	17.6	17.5	18.2	17.8
5	15.7	15.6	15.3	15.0	14.8	15.1	15.2	15.4	16.3	17.5	18.2	18.9	18.4	18.0	17.4
6	6.5	6.4	5.9	3.9	2.0	2.0	3.2	6.7	9.8	12.3	13.4	14.2	15.4	15.7	15.8
7	4.9	4.5	4.1	3.5	3.0	2.8	3.8	8.7	12.3	14.8	16.8	18.1	19.1	19.6	19.4
8	11.9	11.4	9.4	9.9	9.7	9.4	10.1	12.7	15.7	19.1	22.3	24.0	23.9	25.2	25.7
9	15.6	14.4	13.7	12.7	13.6	13.7	15.8	19.6	21.7	23.9	27.1	27.0	28.8	29.7	30.5
10	12.6	12.0	11.6	11.7	12.0	12.5	12.9	13.6	13.9	14.9	15.0	14.9	15.0	14.9	13.8
11	10.1	9.9	10.0	9.9	10.0	10.1	10.1	10.2	10.8	11.4	11.8	12.0	12.5	13.1	12.8
12	10.7	10.2	10.1	10.1	10.0	9.6	9.6	10.1	10.6	11.4	12.2	12.6	13.2	13.1	12.6
13	8.3	7.8	7.4	6.5	5.2	4.0	4.3	7.5	10.0	12.1	13.3	14.0	14.4	14.6	14.3
14	3.9	2.8	1.9	1.3	1.2	0.9	1.5	4.6	6.7	8.6	9.5	9.9	9.8	9.8	9.7
15	5.0	5.0	4.3	4.2	3.9	3.8	4.0	5.8	8.1	9.8	10.1	10.9	11.8	12.3	12.4
16	0.7	1.8	0.7	0.1	0.5	0.4	1.4	6.0	9.2	11.9	13.1	14.2	14.5	15.2	14.5
17	5.4	4.7	4.2	3.7	3.7	2.8	4.5	6.8	9.2	10.6	11.9	12.3	12.7	13.1	13.8
18	0.1	- 0.7	- 1.8	- 1.9	- 2.0	- 2.3	- 2.1	7.0	9.9	11.5	13.4	14.1	14.4	15.0	14.4
19	4.9	3.8	3.5	3.7	3.8	3.6	4.7	8.4	12.3	13.8	15.9	17.0	17.9	18.4	18.5
20	8.2	8.2	7.8	7.8	7.6	7.2	8.2	11.7	15.0	17.0	18.6	19.9	21.0	21.1	21.0
21	11.9	11.1	11.2	10.5	10.2	9.7	10.6	13.2	16.3	18.7	20.5	22.0	23.3	24.0	23.9
22	14.4	14.5	13.6	13.4	13.6	13.9	14.6	19.3	22.1	24.2	26.9	28.1	29.6	30.2	30.3
23	17.7	16.2	15.6	15.2	15.1	14.8	14.8	15.0	16.6	18.2	20.1	21.0	21.2	21.1	20.5
24	13.1	13.0	13.0	12.7	11.8	11.7	11.3	12.2	13.0	14.6	16.6	18.3	19.1	19.4	19.1
25	5.9	5.9	5.1	4.6	4.4	3.8	6.0	12.2	13.9	14.9	15.9	16.7	16.9	17.6	17.6
26	13.1	12.9	12.5	11.8	11.7	11.9	12.8	15.5	17.5	17.8	19.0	19.6	19.7	19.8	19.8
27	9.8	9.3	9.0	7.8	7.0	6.6	6.9	6.9	7.2	8.0	9.2	11.0	12.2	13.4	13.0
28	11.0	11.2	11.3	11.4	11.5	11.9	13.0	14.5	15.6	16.6	18.1	19.1	19.3	21.3	21.5
29	5.5	4.8	4.0	3.6	3.1	2.9	3.6	6.0	7.5	8.2	9.1	10.1	10.1	10.2	10.1
30	1.2	0.8	0.3	- 0.2	- 0.4	- 0.7	0.9	8.1	9.4	10.1	11.2	11.7	12.3	12.5	13.3
31															
Prom	9.3	8.7	8.3	7.9	7.7	7.4	8.1	11.1	13.2	14.9	16.3	17.2	17.8	18.2	18.1

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
57.7	57.7	57.9	58.2	58.4	58.5	58.6	58.7	58.7	61.0	0	57.7	16-17	3.3	759.3 mm.	1012.4 mb.
54.4	54.6	54.7	55.0	55.4	55.5	56.1	56.3	56.3	58.9	0-1	54.4	16	4.5	56.5	1008.6
55.8	56.4	56.8	57.5	57.2	57.2	57.3	57.3	57.4	58.0	8	55.8	16	2.2	57.0	1009.3
51.5	50.0	51.0	50.7	50.9	50.9	50.7	50.3	50.2	57.8	0-1	49.8	17-18	8.0	53.5	1004.6
56.5	57.4	57.9	59.3	60.1	61.0	61.5	61.8	62.1	62.1	24	48.1	4-5	14.0	54.4	1005.8
62.4	62.4	62.5	62.5	62.5	62.4	62.1	62.4	62.3	64.7	7-8	61.8	2-3	2.9	63.0	1017.3
56.7	56.5	56.5	56.2	56.0	55.6	55.3	54.9	54.3	62.3	0	54.3	24	8.0	58.8	1011.7
51.1	51.3	51.6	51.8	52.0	52.5	52.5	52.2	52.2	54.1	6,9	50.9	15-16	3.2	52.8	1003.7
47.3	47.5	47.9	48.5	49.0	49.9	50.4	50.8	51.1	52.2	0	47.3	16	4.9	50.0	1000.0
51.5	52.3	53.3	54.4	54.7	55.5	55.9	56.7	56.7	56.7	23,24	48.9	5	7.8	51.5	1002.0
56.5	56.3	56.7	56.6	56.6	56.7	55.9	55.5	56.4	57.7	7-8	54.5	3-4	3.2	56.3	1008.4
56.4	57.4	58.5	59.3	59.7	60.5	61.1	62.4	62.9	62.9	24	51.4	3	11.5	56.7	1008.9
65.6	65.9	66.2	67.0	67.8	68.8	68.9	69.0	69.1	69.1	24	62.6	3	6.5	65.8	1021.0
68.6	69.0	69.3	69.7	70.0	69.8	69.5	69.5	69.4	70.5	9-10	68.3	14-15	2.2	69.4	1025.8
69.3	69.6	69.9	70.5	70.9	71.6	71.5	71.7	71.9	71.9	24	68.7	3	3.2	70.0	1026.6
70.2	70.3	70.6	71.2	71.2	71.2	71.3	71.4	71.7	72.8	11	70.2	15,16	2.6	71.5	1028.6
70.1	70.3	70.5	70.5	70.4	70.6	70.6	70.8	70.8	72.6	9-10	70.1	16	2.5	71.3	1028.4
66.8	66.7	66.8	67.1	67.2	67.1	67.1	67.1	67.0	70.8	0	66.7	17	4.1	68.5	1024.6
65.5	65.3	65.4	65.6	66.0	66.1	66.0	65.9	65.8	67.6	8-9	65.3	17	2.3	66.2	1021.6
60.9	61.0	61.0	61.0	61.0	60.8	60.7	60.5	60.3	65.8	0	60.3	24	5.5	62.9	1017.2
55.8	55.9	56.0	56.4	56.8	56.8	56.9	56.5	56.5	60.3	0,1	55.8	16	4.5	58.1	1010.8
52.0	52.0	52.1	52.7	52.3	52.6	52.6	52.5	53.4	56.5	0	52.0	16,17	4.5	54.1	1005.4
53.4	53.8	54.8	54.8	56.8	57.7	57.8	57.1	57.7	57.9	22-23	52.9	14-15	5.0	54.5	1006.0
60.1	60.5	60.7	61.2	61.8	62.1	62.1	62.1	62.2	62.2	24	57.3	1-2	4.9	60.4	1013.8
58.6	58.7	59.0	59.2	59.2	59.2	59.3	59.0	59.0	62.2	0	58.4	16-17	3.8	60.4	1013.8
57.2	57.9	58.0	58.5	58.8	59.1	59.2	59.4	59.9	59.9	24	56.7	15	3.2	58.4	1011.2
59.0	58.7	58.6	58.5	57.7	57.7	58.6	57.7	57.5	63.0	8,9	57.5	24	5.5	60.2	1013.6
54.0	54.9	56.2	57.5	59.9	61.1	61.9	62.8	63.3	63.3	24	53.0	13-14	10.3	56.5	1008.6
69.9	69.9	70.1	70.7	71.0	71.2	71.3	71.6	71.6	71.6	23,24	63.0	0	8.3	69.2	1025.6
70.2	70.2	70.1	70.0	70.2	70.5	70.4	70.5	70.4	72.7	9,10	70.0	19	2.7	71.3	1028.4
59.5	59.7	60.0	60.4	60.7	61.0	61.1	61.2	61.3	63.3		58.1		5.2	60.6	1014.1

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
22.8	21.6	16.8	14.3	13.1	12.6	12.7	11.4	10.7	22.9	15	8.0	6	14.9	15.1
24.8	21.2	18.2	16.1	14.6	13.9	13.2	12.6	12.3	14.9	14-15	8.1	6-7	16.8	16.1
20.8	20.0	18.5	16.5	15.9	15.1	14.7	14.9	15.1	23.7	12-13	6.9	7	16.8	15.6
16.8	16.5	16.5	16.2	16.6	16.3	16.1	15.8	15.7	18.2	14	14.4	6,7	3.8	16.2
14.8	13.6	12.3	11.4	11.0	10.7	9.7	8.7	7.5	19.1	12-13	7.5	24	11.6	14.4
15.9	15.0	10.9	8.2	6.8	5.3	4.8	5.8	5.6	15.9	16	1.9	5-6	14.0	8.8
18.6	16.8	14.8	14.1	13.7	12.7	12.5	12.6	12.3	19.9	13-14	2.7	6-7	17.2	11.8
24.5	22.7	20.6	18.8	18.8	17.1	17.6	16.6	15.9	26.0	15-16	9.0	3-4	17.0	17.2
29.6	28.5	25.9	22.6	22.1	20.5	16.8	14.3	13.3	30.5	15	13.3	24	17.2	20.9
13.4	12.6	12.3	11.7	11.6	11.7	11.4	11.3	10.5	15.0	11,13	10.5	24	4.5	12.8
12.4	12.2	11.6	11.5	11.3	11.1	11.2	10.9	10.8	13.1	14	9.9	2,5	3.2	11.2
11.5	10.3	9.7	9.1	8.9	8.7	8.5	8.5	8.4	13.3	13-14	8.4	24	4.9	10.4
13.6	12.2	10.6	9.3	7.8	7.2	6.9	6.2	5.4	14.6	14	3.7	6-7	10.9	9.3
9.6	9.1	8.2	7.7	6.8	6.1	6.0	5.9	5.3	9.9	12	0.9	6	9.0	6.1
12.3	10.5	8.7	6.4	5.0	3.9	2.8	1.8	0.9	12.4	15	0.9	24	11.5	6.8
14.2	13.2	11.8	10.3	9.8	8.6	7.6	6.7	6.1	15.3	13-1	0.0	4-5	15.3	8.0
12.7	12.8	9.2	6.4	5.4	4.6	3.1	1.5	0.4	13.8	15	0.4	24	13.4	7.3
13.4	11.8	9.6	7.4	6.6	6.7	5.6	5.5	5.3	15.7	14-15	- 2.3	6	18.0	6.7
17.9	17.2	14.6	12.7	12.8	12.7	12.4	11.2	9.6	18.7	14-15	3.6	6	15.1	11.3
20.7	18.9	16.3	14.8	14.4	14.0	14.7	14.0	12.9	21.3	14-15	7.0	6-7	14.3	14.2
23.8	22.3	18.6	17.0	13.8	12.0	13.5	15.1	15.4	24.0	14	9.7	6	14.3	16.2
30.3	28.8	26.0	24.0	22.8	22.1	21.8	21.7	19.2	30.7	15-16	13.1	3-4	17.4	21.9
18.9	17.6	16.7	15.8	15.0	14.7	13.5	13.0	13.0	21.2	13	13.0	23,24	8.2	16.7
18.2	16.7	14.7	13.3	11.8	9.7	8.3	7.0	6.2	19.4	14	6.2	24	13.2	13.5
17.2	16.1	15.0	14.5	13.8	13.5	13.5	13.2	13.4	18.0	14-15	3.8	6	14.2	12.2
19.0	16.8	16.6	15.7	13.4	12.8	11.7	10.2	10.1	19.9	14-15	10.1	24	9.8	15.1
11.9	10.6	10.3	9.7	10.0	10.2	10.4	10.5	10.7	13.5	14-15	6.6	6	6.9	9.6
21.6	20.6	18.7	17.2	13.1	10.0	8.6	7.6	6.5	21.6	16	6.5	24	15.1	14.6
9.8	9.9	8.7	7.6	5.6	4.1	2.6	1.6	1.3	10.3	12-13	1.3	24	9.0	6.2
13.2	12.5	10.0	8.1	6.6	5.3	4.2	3.2	2.2	13.4	16-17	- 0.7	6	14.1	6.5
17.5	16.3	14.4	13.0	12.0	11.1	10.6	10.0	9.4	18.5		6.1		12.4	12.4

HUMEDAD RELATIVA en %

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	74	75	77	83	82	86	78	70	62	53	45	42	41	42	41
2	95	98	99	98	98	98	98	82	66	60	52	49	47	45	44
3	92	93	94	95	95	94	95	95	87	72	69	60	60	59	56
4	67	65	66	71	74	79	80	77	72	68	67	69	72	72	75
5	92	92	94	95	97	97	98	98	91	83	75	65	60	60	56
6	72	64	62	71	78	73	69	62	50	41	37	33	32	30	30
7	72	76	79	79	77	78	76	61	49	42	35	31	27	29	32
8	61	66	75	70	68	67	67	60	47	44	35	34	36	37	36
9	60	61	65	68	67	67	64	61	59	55	47	48	49	46	45
10	91	88	87	87	88	89	88	89	88	86	86	87	86	86	92
11	92	94	94	94	95	94	95	96	93	90	87	86	85	85	88
12	88	90	93	93	96	98	96	96	93	92	86	84	85	90	88
13	83	83	80	84	88	90	89	80	66	58	49	43	38	35	31
14	96	95	94	95	96	94	90	78	67	65	56	54	52	54	55
15	84	80	81	83	84	96	83	80	65	54	45	44	38	41	39
16	99	89	92	91	90	88	89	70	59	49	45	43	42	41	42
17	88	91	92	94	94	95	96	79	65	56	50	46	41	41	40
18	98	98	99	99	99	99	83	74	67	60	51	45	43	39	54
19	80	89	91	91	91	93	92	72	59	52	46	38	37	37	37
20	82	83	83	81	80	80	78	62	49	43	38	35	34	34	34
21	76	78	74	78	79	81	79	64	54	42	40	36	36	36	36
22	76	77	81	80	80	79	75	61	53	46	40	38	36	36	39
23	92	92	91	91	91	91	89	85	80	75	72	70	70	70	71
24	69	71	71	71	74	68	74	68	66	59	49	43	42	46	43
25	93	95	97	100	100	100	95	78	74	71	63	63	66	65	66
26	83	86	90	94	95	96	94	85	80	79	77	75	74	72	70
27	95	93	91	91	89	84	81	79	80	77	74	68	64	59	65
28	94	94	95	95	90	91	87	84	78	78	77	76	72	54	35
29	79	84	83	84	87	88	82	72	54	47	44	42	42	42	43
30	94	95	96	98	99	98	94	55	49	46	47	47	45	46	45
31															
Prom.	84	84	86	87	87	88	85	76	67	62	56	53	52	51	51

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	10.0	7.6	7.2	7.6	7.2	7.0	6.8	7.3	7.6	7.4	7.0	7.8	8.0	8.8	8.5
2	7.8	7.8	8.5	9.0	9.5	8.0	9.0	10.5	10.5	10.0	10.5	10.0	10.5	10.4	10.0
3	9.0	8.0	7.6	8.0	7.6	7.0	6.8	9.9	11.0	13.0	13.0	12.0	12.0	12.1	11.5
4	8.5	8.0	9.0	9.0	9.0	9.0	9.0	9.9	9.5	10.0	10.0	10.0	10.5	11.2	11.0
5	12.0	12.0	12.0	11.5	12.0	12.0	12.5	12.7	12.5	12.0	11.0	10.0	9.0	9.2	8.5
6	5.2	4.4	4.2	4.2	4.0	3.8	3.8	4.6	4.2	4.4	4.2	4.0	4.2	4.2	3.6
7	4.6	4.4	4.8	4.4	4.4	4.2	4.6	5.1	5.0	5.0	5.4	4.6	4.6	5.1	4.6
8	6.4	6.8	6.4	6.0	6.0	6.0	6.2	6.1	6.2	7.0	6.8	7.2	8.0	9.1	9.0
9	5.8	6.2	5.4	6.0	6.0	7.8	8.5	10.5	11.0	11.5	12.5	12.5	14.0	14.4	13.5
10	10.0	9.0	8.5	9.0	9.0	9.5	9.5	10.3	10.0	10.5	11.0	10.5	11.0	10.8	10.5
11	8.5	8.0	8.5	8.0	8.5	8.5	8.5	8.4	8.5	8.5	9.0	9.0	8.5	9.5	9.5
12	8.0	8.0	8.5	8.5	9.0	8.5	8.5	8.9	8.5	9.0	9.0	8.5	9.0	10.2	9.5
13	6.6	6.4	6.0	5.6	5.8	5.2	5.4	6.2	6.2	6.0	5.4	5.0	4.6	4.5	4.0
14	5.8	5.2	4.8	4.6	4.8	4.4	4.8	5.0	4.8	5.2	5.0	4.6	4.6	4.9	4.6
15	4.6	4.4	4.4	4.2	4.2	4.2	4.4	5.5	5.0	4.8	4.8	5.0	5.2	4.4	5.2
16	4.2	4.8	4.4	4.4	4.4	4.4	5.0	4.9	5.6	5.8	5.4	5.6	5.2	5.3	4.6
17	5.8	5.8	5.6	5.4	5.4	5.0	6.0	5.9	5.4	5.4	4.8	5.0	4.6	4.7	4.4
18	4.4	4.2	3.8	3.8	3.8	3.6	3.2	5.7	6.0	5.8	6.0	5.0	5.2	5.0	6.4
19	5.0	5.2	5.4	5.4	5.4	5.4	5.8	6.0	6.0	6.2	6.4	5.4	5.6	6.1	6.0
20	6.6	6.6	6.4	6.4	6.0	5.8	6.2	6.5	6.2	6.2	6.2	5.8	6.4	6.2	6.4
21	7.8	7.6	7.2	7.2	7.2	7.4	7.2	7.2	7.2	8.0	6.8	8.0	9.0	8.4	8.0
22	9.0	9.5	9.5	8.5	9.0	9.0	9.0	10.1	10.5	10.5	9.5	10.5	11.5	11.8	12.0
23	13.5	12.5	12.0	12.0	11.5	11.5	11.0	10.9	10.5	11.0	12.5	12.5	12.5	13.0	13.0
24	7.6	8.0	8.0	7.8	7.4	6.8	7.2	7.2	7.6	7.2	6.6	7.4	7.0	7.7	7.0
25	6.2	6.2	6.4	6.2	6.0	5.8	6.8	8.3	8.5	9.0	8.0	8.5	9.0	9.7	10.0
26	9.0	9.5	9.5	9.0	9.0	10.0	10.0	11.1	11.5	11.5	12.5	12.0	12.0	12.4	11.5
27	8.0	8.0	7.8	7.2	6.6	6.0	6.0	5.8	5.8	6.2	6.2	6.6	6.6	6.9	6.8
28	8.5	9.0	9.0	9.0	8.5	9.5	9.5	10.4	10.0	10.0	12.0	12.5	12.0	10.3	6.2
29	5.2	5.2	5.0	4.8	5.0	4.8	4.8	5.0	4.0	3.8	3.6	4.0	4.0	4.3	4.0
30	4.6	4.4	4.4	4.4	4.2	4.2	4.6	5.5	4.2	4.4	4.6	4.8	4.4	5.1	4.8
31															
Prom.	7.3	7.1	7.0	6.9	6.9	6.8	7.0	7.7	7.6	7.8	7.9	7.8	8.0	8.2	7.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
44	47	64	80	85	79	81	88	90	92	23-24	41	13,15	51	67
56	64	68	74	83	86	88	90	90	99	3	44	15	55	76
62	66	66	69	61	69	72	71	70	95	varios	56	15	39	76
82	85	87	88	87	88	90	90	92	92	24	64	1-2	28	78
53	55	61	63	65	68	67	66	71	98	7,8	53	16	45	76
31	34	53	67	75	79	79	72	70	78	5	30	14-15	48	57
37	40	46	49	53	57	58	60	60	80	6-7	27	13	53	54
39	46	49	53	55	59	62	62	62	77	3-4	34	12	43	54
45	49	55	71	79	83	85	89	92	92	24	45	15,16	47	63
89	94	97	97	96	95	93	92	94	97	18-19	85	13-14	12	90
88	87	89	84	85	85	86	89	89	96	8	84	19	12	90
87	93	94	94	96	88	81	69	79	98	6	68	22-23	30	90
39	47	52	59	66	82	84	85	88	90	6	31	15	59	67
57	59	63	69	77	81	81	80	82	96	1,5	52	13	44	74
48	52	49	68	80	86	93	96	99	99	24	38	13	61	70
40	47	53	61	66	73	80	85	85	99	0,1	41	14	58	67
40	43	55	67	78	82	92	96	98	98	24	39	14-15	59	72
57	61	66	72	79	78	81	80	75	99	varios	37	14-15	62	73
41	48	54	60	61	62	62	66	76	94	6-7	37	13,14,15	57	64
35	39	48	56	58	61	56	63	70	84	1-2	32	14-15	52	56
38	42	53	59	75	80	69	70	73	82	6-7	35	15-16	47	60
41	47	55	64	68	72	75	75	87	87	24	36	13,14	51	62
75	78	81	83	84	84	85	86	84	92	1,2	69	14-15	23	82
42	45	47	53	52	59	72	85	92	92	24	42	13,16	50	61
71	76	81	81	84	88	91	90	83	100	4,5,6	62	11-12	38	82
78	97	97	96	92	94	95	96	96	97	17,18	70	15	27	87
70	73	75	88	89	90	93	93	94	96	0	59	14	37	81
33	31	34	40	68	75	78	77	75	95	3,4	31	17	64	71
44	46	49	57	71	81	88	92	97	97	24	42	12,13	55	67
43	47	64	70	77	86	92	96	98	99	5	43	16	56	72
54	58	64	70	75	78	80	82	84	93		48		45	71

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
8.5	9.0	8.5	9.0	9.5	8.5	9.0	8.5	8.0	10.0	1	6.8	7	3.2	8.1
13.0	11.5	10.5	9.5	10.4	10.0	9.0	9.5	9.0	13.0	16	7.8	1,2	5.2	9.8
11.0	11.5	10.5	9.0	8.2	8.5	8.0	9.0	8.5	13.0	10,11	6.8	7	6.2	9.7
10.0	11.5	12.0	12.0	12.3	12.0	12.0	11.5	12.0	12.3	20	8.0	2	4.3	10.4
6.4	6.0	6.6	6.2	6.4	6.4	6.0	5.6	5.6	12.7	8	5.6	23,24	7.1	9.3
4.4	4.2	3.0	5.4	5.6	5.2	4.8	5.0	4.6	5.6	20	3.0	18	2.6	4.4
4.4	5.2	5.8	5.6	6.2	6.2	6.2	6.2	6.2	6.2	varios	4.2	6	2.0	5.1
8.5	9.5	8.5	8.5	8.8	8.0	9.0	8.5	8.0	9.5	17	6.0	4,5,6	3.5	7.5
13.0	13.5	13.0	13.0	15.6	14.5	13.0	10.0	10.5	15.6	20	5.4	3	10.2	10.9
10.0	10.0	10.0	9.5	8.9	9.0	9.0	9.0	8.5	11.0	11	8.5	3,24	2.5	9.7
9.5	9.0	8.5	8.0	8.5	8.0	8.5	8.0	8.0	9.5	14,15,16	8.0	varios	1.5	8.6
8.5	8.5	8.0	8.0	8.2	7.2	6.8	5.6	6.2	10.2	14	5.6	23	4.6	8.3
4.4	5.0	5.0	5.0	5.3	6.2	6.0	5.8	5.8	6.6	1	4.0	15	2.6	5.5
4.2	5.0	5.0	5.2	5.8	5.8	5.8	5.4	5.4	5.8	varios	4.2	16	1.6	5.0
4.4	5.6	5.4	5.8	5.3	5.2	4.2	4.2	4.0	5.8	19	4.0	24	1.8	4.8
4.4	4.8	5.4	6.2	6.0	6.8	7.2	7.0	6.8	7.2	22	4.2	1	3.0	5.4
4.2	4.6	4.6	4.8	5.3	5.2	5.2	4.8	4.6	6.0	7	4.2	16	1.8	5.1
6.6	6.4	6.0	5.6	5.8	5.6	5.6	5.2	4.8	6.6	16	3.2	7	3.4	5.2
6.4	6.8	6.4	6.2	6.8	6.8	6.6	6.6	6.8	6.8	varios	5.0	1	1.8	6.0
6.2	6.4	7.0	7.6	7.2	7.4	7.2	7.4	7.4	7.6	19	5.8	6,12	1.8	6.6
8.0	8.5	8.0	8.0	8.9	8.0	7.8	8.5	9.0	9.0	13,24	6.8	11	2.2	7.9
13.5	13.5	13.0	14.0	14.0	14.5	14.0	14.0	14.5	14.5	21,24	8.5	4	6.0	11.4
11.5	11.5	11.5	11.0	10.7	10.0	10.5	9.5	9.0	13.5	1	9.0	24	4.5	11.5
6.6	6.0	5.8	6.0	5.5	5.0	5.8	6.2	6.4	8.0	2,3	5.0	21	3.0	6.8
10.5	11.0	10.5	10.0	10.5	10.0	10.5	10.0	9.5	11.0	17	5.8	6	5.2	8.6
12.5	13.5	13.5	12.5	10.5	10.0	9.5	9.0	9.0	13.5	17,18	9.0	varios	4.5	10.8
6.8	6.8	6.8	7.8	8.2	8.0	8.5	8.5	8.5	8.5	22,23,24	5.8	8,9	2.7	7.1
6.2	5.8	5.2	5.4	7.5	6.8	6.4	6.0	5.2	12.5	12	5.2	18,24	7.3	8.4
3.8	4.2	4.0	4.4	4.9	5.0	4.8	4.6	4.8	5.2	1,2	3.6	11	1.6	4.5
4.8	5.0	5.8	5.4	5.6	5.8	5.6	5.6	5.2	5.8	18,21	4.2	5,6,9	1.6	4.9
7.7	8.0	7.8	7.8	8.1	7.8	7.8	7.5	7.4	9.4		5.8		3.6	7.6

VIENTO: DIRECCIÓN Y VELOCIDAD; PREVALENCIAS

HORAS / DÍAS	0 – 1		1 – 2		2 – 3		3 – 4		4 – 5		5 – 6		6 – 7		7 – 8		8 – 9		9 – 10		10 – 11		11 – 12		12 – 13		13 – 14		14 – 15	
	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VEL
1	N	15	N	15	N	15	N	14	N	14	NW	12	NW	15	NW	17	NW	17	NW	25	NW	20	NW	20	NW	15	NW	14	NW	8
2	SE	4	SE	2	E	5	NE	5	NE	5	E	2	E	4	NE	4	NE	7	NE	4	NE	4	NW	4	NW	5	NW	2	W	2
3	Calma	1	Calma	1	Calma	0	NE	4	NE	2	Calma	0	Calma	0	Calma	1	SE	3	Calma	1	SE	4	E	8	E	9	E	12	E	11
4	E	25	E	24	E	25	E	24	E	23	E	23	E	19	E	18	E	21	E	19	E	28	E	27	SE	17	SE	21	E	23
5	E	20	E	13	SE	5	Calma	0	Calma	1	SW	6	SW	4	SW	8	SW	15	SW	20	SW	26	SW	31	SW	28	SW	28	SW	26
6	SW	12	SW	14	SW	14	W	8	W	9	W	9	W	8	W	9	SW	10	SW	13	SW	16	SW	16	SW	11	SW	12	SW	11
7	NW	5	NE	5	NW	4	NE	7	N	8	N	6	NW	7	NW	12	NW	14	NW	20	NW	19	NW	22	NW	22	NW	21	N	18
8	NE	19	N	20	N	13	NE	14	NE	13	NE	10	NE	14	NE	18	N	24	N	26	N	29	N	27	NW	31	NW	28	N	26
9	NE	12	NE	12	NE	9	NE	9	NE	10	NE	12	NE	18	NE	19	N	23	N	23	N	21	NW	21	NW	17	NW	21	NW	16
10	SE	14	SE	14	SE	15	SE	11	SE	15	SE	13	SE	14	SE	8	SE	7	SE	10	SE	9	SE	9	SE	8	SE	10	SE	11
11	SE	12	SE	12	SE	10	SE	10	SE	8	SE	11	SE	8	SE	9	SE	13	SE	9	SE	7	SE	11	SE	9	SE	8	SE	10
12	S	6	SE	12	SE	14	S	10	SW	9	S	10	S	8	S	7	S	7	S	6	S	5	SW	9	SW	8	SW	11	SW	12
13	S	9	S	9	S	7	S	5	S	2	S	2	S	4	S	6	SE	11	SE	14	SE	13	SE	11	SE	10	SE	11	SE	11
14	SE	4	SE	2	Calma	1	Calma	1	SE	2	SE	2	Calma	1	SE	3	SE	6	SE	7	SE	9	SE	8	SE	7	SE	5	SE	6
15	SE	2	SE	3	Calma	1	Calma	0	Calma	0	Calma	1	SE	4	SE	3	SE	7	SE	10	SE	12	SE	11	SE	10	SE	10	SE	9
16	S	2	S	4	S	3	S	2	S	4	S	3	Calma	0	S	2	SE	4	SE	5	SE	6	SE	7	SE	6	SE	8	SE	6
17	Calma	0	Calma	0	Calma	1	Calma	1	Calma	0	Calma	0	Calma	0	SE	5	E	8	E	10	E	7	SE	8	SE	8	SE	8	SE	9
18	Calma	1	Calma	1	Calma	1	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	SW	2	W	4	SW	3	E	5	E	4	E	5	E	5
19	NE	11	NE	11	NE	6	NE	5	NE	3	NE	4	NE	7	NW	10	NW	16	NW	20	NW	18	NW	18	NW	17	NW	16	NW	14
20	NE	12	N	11	N	9	N	11	N	12	N	14	N	13	N	14	NW	23	NW	26	NW	29	NW	29	NW	26	NW	26	NW	27
21	NE	13	NE	13	NE	12	NE	15	NE	10	NE	12	NE	13	NE	19	N	25	NW	28	NW	26	NW	24	NW	20	NW	20	NW	21
22	NE	14	NE	12	NE	12	NE	10	NE	11	NE	13	NE	14	N	22	N	24	NW	25	NW	24	NW	27	NW	21	NW	19	NW	16
23	S	10	S	8	S	7	SE	6	SE	6	SE	9	SE	11	SE	12	SE	9	SE	6	SE	8	SE	9	SE	9	SE	11	SE	13
24	SE	13	SE	14	SE	10	SE	10	SE	12	SE	10	SE	10	SE	10	SE	12	SE	10	SE	11	SE	12	E	13	E	12	E	10
25	SE	6	SE	4	S	4	SE	4	SE	7	SE	4	SE	5	E	7	E	14	E	14	NE	16	E	18	NE	19	NE	15	E	13
26	NE	14	NE	13	NE	10	E	8	E	8	E	8	NE	10	NE	11	NE	17	NE	12	NE	12	NE	12	E	8	E	5	E	6
27	SW	11	SW	15	SW	14	SW	10	S	11	S	7	S	8	SE	8	SE	5	SE	4	SE	8	SE	7	SE	7	E	7	NE	12
28	E	5	NE	6	NE	8	NE	8	NE	12	NE	9	NE	7	NE	12	NE	14	NE	12	NW	12	W	12	W	15	SW	16	SW	21
29	SW	7	SW	7	SW	9	SW	10	SW	9	SW	7	SW	7	SW	8	S	10	S	9	S	11	S	13	S	8	S	9	SW	10
30	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	SE	4	SE	5	S	5	SW	4	S	5	S	4	S	5	S	1
31																														
DIRECCION PREVALENTE	NE-SE		SE		NE Calma		NE		NE		NE-SE		NE		SE		SE		SE		SE		SE		SE		SE-NW		SE	
NUMERO DE HORAS	7		8		6		9		8		6		7		9		11		9		10		10		10		9		8	
PROM. HOR. DE LA VELOCIDAD		9		9		8		7		8		7		8		10		12		13		14		15		13		13		13

15 – 16		16 – 17		17 – 18		18 – 19		19 – 20		20 – 21		21 – 22		22 – 23		23 – 24		PREVALENCIA DIARIA		PROMEDIO DIARIO DE VELOCIDAD	VELOCIDAD INSTANTÁNEA		
DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIRECCIÓN	NÚMERO DE HORAS		VELOCIDAD	DIRECCIÓN	HORA
NW	6	NE	6	Calma	0	E	4	NE	3	NE	5	NE	5	NE	3	NE	3	NW	11	11	28	NW	9.12
E	3	E	6	E	5	E	2	E	3	NE	3	NE	3	NE	6	NE	5	NE	10	4	8	NE	8.30
E	18	SE	14	SE	16	SE	15	E	19	E	24	E	22	E	25	E	25	E	10	10	40	E	22.40
E	19	E	17	SE	12	SE	15	E	23	E	24	E	23	E	18	E	23	E	20	2	45	E	11.18
SW	24	SW	23	SW	14	SW	12	SW	16	SW	19	SW	18	SW	18	SW	15	SW	19	16	72	SW	11.42
SW	8	W	5	W	22	Calma	0	Calma	1	NW	3	NW	2	NW	7	NW	5	SW	11	8	31	SW	11.08
N	17	NE	13	NE	12	NE	13	NE	16	NE	16	NE	18	NE	19	NE	20	NE NW	10	14	34	NW	12.46
NE	20	NE	13	NE	6	NE	7	NE	10	NE	10	NE	12	NE	12	NE	13	NE	15	17	39	NW	12.48
NW	14	NW	11	W	8	Calma	1	Calma	1	SE	6	SE	11	SE	13	SE	14	NE	8	13	37	N	10.48
SE	11	SE	12	SE	11	SE	12	SE	14	SE	13	SE	9	SE	14	SE	11	SE	24	11	29	NE	18.30
SE	11	SE	11	SE	11	SE	12	SE	11	SE	10	SE	9	SE	12	SE	11	SE	24	10	28	SE	16.20
SW	13	S	12	S	13	S	10	S	10	S	11	S	13	S	9	S	6	S	16	10	34	S	14.16
SE	12	SE	7	SE	4	SE	4	SE	2	SE	7	SE	5	SE	5	SE	5	SE	16	7	25	S	13.59
SE	4	SE	4	SE	2	Calma	1	Calma	1	Calma	0	Calma	1	SE	3	Calma	1	SE	16	3	16	SE	10.35
SE	9	SE	8	SE	6	SE	2	SE	2	Calma	0	Calma	0	Calma	0	Calma	0	SE	16	4	20	E	11.40
SE	5	E	3	E	3	Calma	1	SE	3	Calma	1	Calma	0	Calma	0	Calma	0	SE	9	3	16	SE	13.18
SE	7	SE	7	SE	2	Calma	0	E	3	Calma	1	Calma	0	Calma	0	SE	2	Calma	11	4	20	SE	14.01
NE	14	NE	11	E	10	E	7	NE	6	NE	9	NE	7	NE	11	NE	9	Calma	8	5	15	NE	14.50
NW	12	NW	8	NE	5	NE	6	NE	10	NE	12	NE	13	NE	11	NE	14	NE	14	11	31	NW	13.30
NW	22	NW	17	NW	14	NE	11	NE	14	NE	17	N	20	NE	17	NE	14	NW	10	18	49	NW	10.05
NE	16	NE	15	NE	9	NE	5	Calma	0	NE	2	NE	7	NE	9	NE	16	NE	16	14	30	N	8.20
NW	14	N	14	NE	13	NE	11	NE	11	NE	11	NE	7	NE	6	NE	7	NE	14	15	-	-	-
SE	13	SE	15	SE	12	SE	12	SE	15	SE	15	SE	15	SE	14	SE	14	SE	21	11	31	SE	22.23
SE	8	SE	7	SE	6	SE	7	SE	7	SE	6	SE	5	SE	4	SE	4	SE	21	9	25	E	12.05
NE	15	E	13	E	10	E	10	E	9	E	8	E	9	E	8	NE	13	E	12	10	25	NE	12.50
E	5	SW	5	Calma	1	SW	4	SW	4	Calma	1	SE	4	Calma	1	SW	5	NE	9	8	19	SW	19.08
NE	14	NE	14	NE	8	NE	9	NE	4	E	4	E	4	E	6	NE	6	NE	7	8	31	SW	1.58
SW	20	SW	17	SW	14	SW	15	S	19	S	16	S	12	S	12	SW	8	NE	9	12	41	S	18.12
SW	8	S	4	S	5	S	2	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	SW	10	6	26	SW	11.30
SW	6	SW	3	SW	4	NE	6	NE	4	NE	2	Calma	0	Calma	0	NE	2	Calma	9	2	14	SW	10.45
SE		SE		SE		NE–SE		NE		NE		NE		NE		NE		PREVALENCIA MENSUAL		VELOCIDAD MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		Dirección	Horas		30 Km.		
9		9		10		8		9		10		8		8		12		SE	189	10	DIRECCIÓN	DÍA	HORA
	12		10		8		7		8		8		8		9		9				E, SW, NW	4,5,8,20, 21,22	-

FRECUENCIAS, KILÓMETROS RECORRIDOS Y VELOCIDAD MEDIA POR DIRECCIÓN

DÍAS	NORTE		NORESTE		ESTE		SUDESTE		SUD		SUDOESTE		OESTE		NOROESTE		Calma	TOTALES DIARIOS DE KILÓMETROS
	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	
1	5	73	6	25	1	4									11	169	1	271
2			10	46	8	30	2	6					1	2	3	11		95
3			2	6	10	173	5	52									7	235
4					20	446	4	65										511
5					2	33	1	5			19	351					2	390
6											11	137	7	50	4	17	2	205
7	4	49	10	139											10	146		334
8	7	165	15	191											2	59		415
9	3	67	8	101			4	44					1	8	6	100	2	322
10							24	275										275
11							24	245										245
12							2	26	16	143	6	62						231
13							16	132	8	44								176
14							16	74									8	81
15							16	108									8	110
16					2	6	9	50	7	20							6	78
17					4	28	9	56									11	87
18			7	67	6	36					2	5	1	4			8	116
19			14	118											10	149		267
20	8	104	6	85											10	239		428
21	1	25	16	186											6	139	1	350
22	3	60	14	152											7	146		358
23							21	234	3	25								259
24					3	35	21	188										223
25			5	78	12	133	6	30	1	4								245
26			9	111	7	48	1	4			4	18					3	184
27			7	67	4	21	6	39	3	26	4	50						203
28			9	88	1	5			4	59	7	111	2	27	1	12		302
29									9	71	10	82					5	154
30			4	14			2	9	5	22	4	17					9	62
31																		
SUMAS	31	543	142	1474	80	998	189	1642	56	414	67	833	12	91	70	1187	73	7212
% PREVAL POR VELOCIDAD	7.5		20.4		13.8		22.8		5.7		11.6		1.3		16.4		0.4	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	18		10		12		9		7		12		8		17		0	238

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	1	7	3	7	4	3		1	4
1 - 2	3	7	2	8	3	3			4
2 - 3	3	6	2	5	4	3		1	6
3 - 4	2	9	2	5	3	2	1		6
4 - 5	3	8	2	6	3	2	1		5
5 - 6	2	6	3	6	4	2	1	1	5
6 - 7	1	7	2	6	3	2	1	2	6
7 - 8	2	6	2	9	3	2	1	3	2
8 - 9	4	3	3	11	2	3		4	
9 - 10	2	3	3	9	3	2	1	6	1
10 - 11	2	3	2	10	2	4		7	
11 - 12	1	1	4	10	2	3	1	8	
12 - 13		1	4	10	2	3	1	9	
13 - 14		1	5	9	2	4		9	
14 - 15	2	1	6	8	1	5	1	6	
15 - 16	1	5	4	9		6		5	
16 - 17	1	6	4	9	2	4	1	3	
17 - 18		6	4	10	2	3	2	1	2
18 - 19		8	4	8	2	3			5
19 - 20		9	5	7	2	2			5
20 - 21		10	4	6	2	1		1	6
21 - 22	1	8	4	7	2	1		1	6
22 - 23		9	4	7	2	1		1	6
23 - 24		12	2	7	1	3		1	4
SUMAS	31	142	80	189	56	67	12	70	73
% de frec. por dirección	4.3	19.7	11.1	26.2	7.8	9.3	1.7	9.7	10.1

NUBES. VISIBILIDAD

DÍAS	N U B E S										VISIBILIDAD		
	8h		12h		14h		18h		20h		8h	14h	20h
	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	90 - 99		
1	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	97	97	97
2	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	6	7	7
3	Claro	0	Ac	4	Sc	8	As	7	Claro	0	3	4	6
4	Sc 5 Ac 3	8	Ac 5 Sc 3	8	St	8	As	8	Fs	8	4	4	5
5	Fs	8	Fs	4	Cu	1	Claro	0	Claro	0	3	7	7
6	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	9	9
7	Claro	0	Ci	1	Ci	6	Ci	5	Ci	1	9	7	7
8	Ci	8	Cs	6	Ci	3	Ci	1	Claro	0	7	7	9
9	Claro	0	Ci	8	Claro	0	Claro	0	Claro	0	9	7	7
10	As	8	As	8	St	8	Fs	8	Fs	8	5	6	6
11	Ns	8	St	8	Fs	8	Sc	8	Sc	7	7	7	7
12	St	8	Fs	8	Sc	8	Fs	8	Fs	8	8	6	6
13	Ci	1	Ci	6	Claro	0	Ac 2 Ci 2	4	Ci	1	8	8	8
14	Cs	7	Ci	8	St	8	As	8	As	8	8	7	8
15	Ac	7	Co	4	Ci 7 Cu 1	8	Ac	1	Ac	2	7	7	7
16	Ci	6	Cu 2 Ci 1	3	Ci 4 Cu 3	7	As 5 Sc 3	8	As	8	9	8	7
17	Ci	2	Cu	6	Cu	5	Claro	0	Claro	0	7	7	9
18	Ci	1	Ci	5	Ci	1	Claro	0	Claro	0	6	9	8
19	Claro	0	Claro	0	Ci	3	Claro	0	Claro	0	8	8	9
20	Ci	1	Ci	6	Cs	7	Ci	4	Claro	0	8	8	8
21	Ci	8	Ci	6	Cs	6	Ci	3	Claro	0	9	9	9
22	Ci	3	Ci	6	Ci	3	Claro	0	Claro	0	8	7	7
23	Ac	7	Ac	7	Cs 6 Ac 2	8	Claro	0	Cs	4	8	6	7
24	Sc	8	Cs	8	Cs 6 As 2	8	As	3	As	2	7	7	8
25	Sc 3 Cs 5	8	Ci	6	Ci	5	Ci	6	Claro	0	4	8	7
26	Sc	6	Cu	8	Cb	8	Sc	8	Sc	8	8	8	8
27	Sc	8	Ci	6	Ci	1	Ns	8	St	8	7	8	6
28	Cu	1	Sc	8	Cu	3	As	1	Claro	0	8	9	9
29	Ac	1	St	6	Sc	8	Sc	6	Sc	4	8	9	9
30	Claro	0	Cu	1	Ac	1	Claro	0	Claro	0	9	9	9
31													
Prom.		4		5		5		4		3			

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0 - 8	Insolación	Transparencia	Observaciones
1	9	35.4	18.7	1.36	0	5	4	B.
	10	40.1	22.7	1.41	0	5	4	B.
	12	43.3	25.8	1.42	0	5	4	B.
	14	43.3	26.4	1.37	0	5	4	B.
	15	41.6	26.0	1.27	0	5	4	B.
2	9	36.7	21.1	1.27	0	5	3	B.
	10	41.0	24.0	1.38	0	5	3	B.
	12	44.7	27.7	1.38	0	5	3	B.
	14	44.0	28.0	1.30	0	5	4	B.
	15	40.7	27.1	1.10	0	5	4	B.
3	9	33.2	20.5	1.03	0	5	2	N.
	10	38.4	24.6	1.12	0	5	2	N.
	12	38.4	26.4	0.98	4	5	2	N.
	14	28.2	23.5	0.38	8	1	2	Ne.
	15	28.7	23.4	0.43	8	0	2	Ne.
4	9	23.4	18.2	0.42	3	0	2	N.
	10	33.0	20.7	1.00	8	1	3	N.
	12	31.3	20.7	0.86	8	1	3	N.
	14	23.5	19.2	0.35	8	1	2	N.
	15	24.9	18.8	0.50	8	2	2	N.
5	9	23.3	18.7	0.37	8	0	4	N.
	10	25.3	19.1	0.50	8	0	4	B.
	12	41.4	23.7	1.44	4	4	4	B.
	14	39.2	22.7	1.34	1	5	5	
	15	37.8	21.5	1.33	1	3	5	
6	9	33.4	15.3	1.47	0	5	5	
	10	37.5	18.2	1.57	0	5	5	
	12	39.5	20.3	1.56	0	5	5	
	14	39.7	20.8	1.54	0	5	5	
	15	36.4	19.9	1.34	0	5	5	
7	9	34.0	17.0	1.38	1	5	5	
	10	38.3	20.3	1.46	1	5	5	
	12	39.2	22.5	1.36	1	5	5	
	14	37.7	23.5	1.15	6	5	5	
	15	30.0	20.7	0.76	8	3	5	
8	9	29.7	18.6	0.90	8	2	3	
	10	39.5	23.7	1.28	8	4	4	B.
	12	47.3	29.3	1.46	6	4	4	
	14	39.5	29.2	0.84	3	5	4	
	15	38.6	22.1	1.34	7	2	4	B.
9	9	39.4	26.5	1.05	0	5	3	B.
	10	43.3	28.3	1.22	0	5	3	B.
	12	44.3	31.8	1.02	8	3	3	B.
	14	47.3	32.5	1.20	0	5	4	
	15	45.5	33.2	1.00	0	5	4	
10	9	22.3	16.3	0.49	8	0	3	Ne.
	10	23.0	16.9	0.50	8	0	3	Ne.
	12	20.3	16.1	0.34	8	0	3	Ne.
	14	18.2	15.6	0.21	8	0	3	Ne.
	15	15.3	13.9	0.11	8	0	3	Ne.
11	9				8	0	3	N., Am.
	10				8	0	3	N., Am.
	12				8	0	3	N., Am.
	14				8	0	3	Ne., Am.
	15				8	0	3	Ne., Am.
12	9				8	0	4	Z.
	10				8	0	4	Z.
	12				8	0	4	Z.
	14				8	0	4	Z.
	15				8	0	4	Z.
13	9	33.7	16.0	1.44	1	5	5	
	10	38.0	18.2	1.61	3	5	5	
	12	35.0	19.0	1.30	6	3	5	
	14	37.9	19.7	1.48	0	5	5	
	15	35.1	18.3	1.36	1	5	5	
14	9	21.1	10.3	0.88	8	2	4	Ne.
	10	29.3	13.5	1.28	8	2	4	
	12	20.1	11.6	0.69	8	1	4	
	14	17.5	11.2	0.51	5	0	4	
	15	14.3	10.3	0.32	8	0	4	
15	9	31.0	13.3	1.44	6	5	5	
	10	*34.7	15.7	1.54	8	3	4	
	12	35.6	16.6	1.54	4	5	5	
	14	34.5	17.0	1.42	6	3	5	
	15	27.6	14.8	1.04	7	1	5	
16	9	31.0	14.5	1.34	1	5	5	
	10	35.0	16.9	1.47	2	5	5	Js.
	12	34.5	19.0	1.26	3	5	5	
	14	33.9	19.4	1.18	7	3	5	
	15	24.7	15.5	0.75	7	1	5	
17	9	30.3	14.0	1.33	1	5	3	B.
	10	35.0	16.0	1.54	2	5	4	B.
	12	40.2	19.2	1.71	6	5	5	
	14	37.7	15.9	1.77	5	4	5	
	15	34.6	18.6	1.30	6	4	5	
18	9	26.2	14.7	0.93	1	5	3	B.
	10	35.0	17.0	1.46	3	5	4	B.
	12	39.3	19.3	1.63	5	5	4	B.
	14	37.8	19.4	1.50	1	5	4	B.
	15	25.0	15.5	0.77	1	3	4	B.
19	9	33.4	16.5	1.37	0	5	5	
	10	36.6	18.8	1.45	0	5	5	
	12	40.8	22.3	1.50	0	5	5	
	14	40.2	23.2	1.38	3	5	5	
	15	37.7	20.2	1.42	0	5	5	
20	9	34.3	19.0	1.24	3	5	5	
	10	41.7	22.0	1.60	3	5	5	
	12	42.7	25.0	1.44	6	4	5	
	14	41.0	26.0	1.22	7	4	5	
	15	31.3	22.6	0.71	7	3	5	
21	9	31.3	18.9	1.01	7	3	4	
	10	37.5	22.4	1.23	8	3	4	
	12	45.7	27.5	1.48	6	5	5	
	14	45.4	28.5	1.37	6	5	5	
	15	44.8	28.1	1.36	4	5	5	
22	9	40.8	26.2	1.19	6	4	4	
	10	40.3	27.5	1.04	8	3	4	
	12	45.0	31.4	1.10	6	3	4	
	14	49.8	34.4	1.25	3	4	4	
	15	42.5	32.4	0.82	5	4	4	B., Js.
23	9	25.5	18.7	0.55	8	1	4	Ne.
	10	37.6	23.5	1.15	6	3	3	Ne.
	12	35.9	24.4	0.93	7	2	3	Ne.
	14	35.5	24.1	0.93	8	1	3	
	15	33.7	23.5	0.83	4	4	3	
24	9	21.5	15.0	0.53	6	0	5	
	10	28.2	17.8	0.84	1	1	5	
	12	36.8	22.1	1.20	8	2	5	
	14	38.3	23.3	1.22	8	3	5	
	15	33.0	21.5	0.93	8	3	5	
25	9	29.6	16.9	1.03	6	1	4	
	10	35.8	17.2	1.51	6	4	4	B.
	12	40.4	31.8	0.70	6	4	4	B.
	14	38.6	22.1	1.31	5	4	5	
	15	27.5	19.3	0.67	6	1	5	
26	9	40.5	22.0	1.50	6	4	4	B.
	10	25.0	18.7	0.51	8	0	5	
	12	29.1	21.3	0.63	8	0	5	
	14	31.3	22.0	0.76	8	2	5	
	15	25.7	20.5	0.42	7	0	5	
27	9	12.8	7.8	0.41	8	0	5	
	10	16.7	10.6	0.50	8	0	5	
	12	40.0	18.3	0.76	6	5	4	B.
	14	37.0	19.6	1.41	1	5	4	B.
	15	32.5	17.0	1.26	0	5	4	B., Js.
28	9	26.7	18.0	0.71	8	0	5	
	10	32.9	20.8	0.98	7	4	5	
	12	28.8	21.2	0.62	8	0	5	
	14	42.4	26.5	1.29	3	5	5	
	15	41.5	25.7	1.28	0	5	5	
29	9	22.0	11.0	0.88	6	3	5	
	10	37.7	15.8	1.78	6	3	5	
	12	38.3	17.5	1.69	6	5	5	
	14	23.4	13.0	0.84	8	0	5	
	15	21.3	12.7	0.70	6	0	5	
30	9	30.0	13.0	1.38	1	5	5	
	10	40.3	18.5	1.77	4	5	5	
	12	36.4	17.0	1.58	1	3	5	
	14	37.0	18.0	1.54	1	5	5	
	15	37.1	18.1	1.54	1	5	5	
31	9							
	10							
	12							
	14							
	15							

HELIOFANÍA

DÍAS \ HORAS	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H.EFECTIVA	H.TEÓR.ASTRON	H.RELATIVA
1			0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9			9.7	11.3	86
2			0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8			9.6	11.4	84
3			0.4	0.8	1.0	0.7	0.7	1.0	0.7	0.4					5.7	11.4	50
4					0.8	0.4	0.3	0.2	0.3	0.1					2.1	11.4	18
5					0.4	0.5	1.0	1.0	1.0	1.0	1.0	0.9			6.8	11.4	60
6		0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3		10.6	11.5	92
7			0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.4			0.6		7.9	11.5	69
8			0.8	0.1	0.8	0.9	1.0	1.0	1.0	1.0	0.6				7.2	11.5	63
9				0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.3			8.0	11.6	69
10															0.0	11.6	00
11															0.0	11.7	00
12															0.0	11.7	00
13		0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4			9.7	11.7	83
14			0.1	0.4	0.4	0.4									1.3	11.8	11
15					1.0	0.5	0.6	1.0	1.0	1.0	0.9	0.2			6.2	11.8	54
16			0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.2			8.5	11.9	71
17			0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	0.5		10.0	11.9	84
18		0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	1.0		10.1	11.9	85
19			0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.3			8.9	12.0	74
20			0.9	1.0	0.9	1.0	1.0	0.8	0.9	0.8	0.2				7.5	12.0	62
21				0.9	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.2		8.8	12.0	73
22			0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.1		9.0	12.0	75
23			0.2	0.9	0.9	0.9	1.0	1.0	0.9	0.3	0.5				6.6	12.1	55
24															0.0	12.1	00
25			0.3	0.4	0.6	0.9	1.0	1.0	1.0	1.0	1.0	0.7	0.1		8.0	12.1	66
26			0.2	0.2	0.5		0.4								1.3	12.2	11
27							0.4	1.0	1.0	1.0	0.9	0.2			4.5	12.2	37
28		0.4	0.9	0.9	0.6	0.6	0.6	0.3	0.7	1.0	1.0	0.5			7.5	12.2	62
29		0.3	1.0	1.0	0.4	0.9	1.0	0.8	0.7	0.1	0.1	0.5			6.8	12.3	55
30		0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8		11.3	12.3	92
31																	
Medias		0.1	0.4	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.4	0.1		6.4	11.8	55

GEOTEMPERATURA

DÍAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h
1	12.8	14.9	14.6	12.4	13.6	13.9	11.4	11.6	12.2	12.0	11.9	12.3	14.8	14.8	14.8
2	13.0	15.9	15.6	12.6	14.4	14.8	11.8	12.2	13.0	12.4	12.4	12.8	15.1	15.2	15.2
3	13.6	16.2	15.9	13.4	14.8	15.1	12.4	12.7	13.3	13.0	12.8	13.2	15.5	15.6	15.6
4	15.0	15.7	15.6	14.3	14.8	14.8	13.0	13.0	13.2	13.2	13.2	13.2	15.8	15.8	15.8
5	15.6	16.4	15.3	14.8	15.4	15.0	13.2	13.4	13.6	13.4	13.5	13.8	16.0	16.0	16.1
6	12.7	14.4	13.6	12.9	13.8	13.7	12.4	12.2	12.4	13.2	12.8	13.0	16.1	15.9	15.8
7	13.9	14.3	14.2	12.1	13.4	13.6	13.6	11.8	12.3	12.4	12.4	12.7	15.5	15.6	15.5
8	13.1	15.2	14.4	12.7	14.0	14.5	11.6	13.0	12.6	12.4	12.4	12.6	15.4	15.6	15.4
9	14.6	17.0	17.5	13.9	15.4	16.0	12.6	13.0	14.0	13.0	13.0	13.6	15.7	15.8	15.9
10	15.6	13.6	13.4	15.0	15.2	15.0	13.8	13.4	13.4	14.0	13.6	13.8	16.4	16.4	16.4
11	14.0	14.1	14.2	13.6	13.7	13.7	12.6	12.5	12.5	13.2	13.2	13.0	16.2	16.1	16.0
12	13.6	14.0	13.8	13.2	13.5	13.4	12.2	12.2	12.2	13.6	12.6	12.6	15.7	15.6	15.4
13	12.4	14.1	13.5	12.4	13.4	13.3	11.4	11.6	12.2	12.2	12.3	12.5	15.4	15.4	15.2
14	11.5	12.5	12.4	11.6	12.2	12.1	11.2	13.1	11.2	12.2	13.8	11.8	15.3	15.1	14.9
15	11.4	12.7	12.2	11.3	12.2	12.2	10.7	11.6	11.4	13.6	11.4	11.7	14.8	14.7	14.7
16	10.2	12.8	12.5	10.4	12.1	12.2	10.2	10.5	11.4	11.4	11.2	11.3	14.6	14.6	14.5
17	10.6	12.8	11.9	10.9	12.2	12.1	10.4	11.5	11.0	11.4	11.2	11.4	14.6	14.5	14.4
18	9.4	14.6	12.4	10.0	12.4	12.4	10.0	10.3	10.8	11.2	11.0	11.2	14.4	14.4	14.2
19	10.4	11.4	13.6	10.6	13.0	13.2	10.3	10.6	11.2	11.2	11.0	11.4	14.4	14.4	14.3
20	11.6	16.2	14.4	11.6	13.8	13.8	10.8	11.2	11.6	11.4	11.4	11.6	14.6	14.6	14.4
21	12.8	17.4	15.5	12.6	14.7	14.8	11.6	11.6	12.6	12.1	12.1	12.4	14.8	14.9	15.0
22	14.2	10.4	18.2	13.6	16.2	16.7	12.4	13.0	14.0	12.6	13.0	13.4	15.3	15.4	15.6
23	16.4	18.8	17.3	15.6	16.9	16.6	13.9	14.3	14.4	13.9	14.1	14.2	16.1	16.3	16.4
24	15.4	17.5	15.8	15.1	16.0	15.7	14.0	13.9	14.0	14.3	14.2	14.2	16.7	16.7	16.6
25	13.0	17.4	16.0	13.3	15.5	15.0	13.0	13.2	13.1	13.8	13.6	13.6	16.6	16.5	16.5
26	14.6	17.6	16.6	14.4	15.8	15.9	13.2	13.5	13.8	13.8	13.5	13.8	16.5	16.4	16.4
27	13.8	16.6	15.0	14.1	14.9	14.8	13.4	13.2	13.6	13.9	13.8	13.8	16.6	16.5	16.4
28	14.4	17.8	16.2	14.0	15.4	15.7	12.9	13.3	13.6	13.5	13.6	13.8	16.4	16.4	16.3
29	12.4	15.6	13.6	12.9	14.3	13.9	12.7	12.4	13.8	12.6	13.2	13.2	16.4	16.3	16.1
30	10.8	16.0	13.4	11.6	14.0	13.8	11.7	11.8	11.7	11.8	12.6	12.7	16.0	15.9	15.9
31															
Prom.	13.1	15.4	14.6	12.9	14.2	14.3	12.2	12.4	12.7	12.8	12.7	12.8	15.6	15.6	15.5

LLUVIA, ESTADO DEL SUELO, ETC...

DÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en %						Freatímetro
	50 cm.	1.50 m.	7 m.	18 m.		8h	14h	20h	Total	Punto	7 cm.	15 cm.	30 cm.	60 cm.	1 m.	
1					0	1.6	2.5	1.2	4.0							11034
2					0	0.3	1.4	1.1	2.7							11038
3					0	0.2	1.0	1.5	4.5							11045
4	0.0	0.0	0.0	0.0	0	2.0	0.9	0.6	2.2	0. 22	19.4	18.7	21.0			11047
5					0	0.7	1.2	1.4	3.8							11051
6					0	1.2	1.6	1.0	3.4							11057
7					0	0.8	2.7	2.3	7.2							11063
8					0	2.2	3.4	2.3	7.9							11069
9					0	2.2	3.1	2.0	5.9							11075
10	16.2	16.4	16.0	15.1	1	0.8	0.3	0.1	0.6	0. 23	15.0	16.6	19.3	21.3	16.4	11078
11	0.0	0.5	0.0	0.0	2	0.2	0.3	0.4	1.1							11081
12	0.0	0.1	0.0	0.0	2	0.4	0.2	0.3	1.2							11090
13					1	0.7	1.6	1.2	3.3							11093
14					1	0.5	0.5	0.7	1.6	0. 24	21.8	18.2	19.3			11102
15					0	0.4	1.2	0.9	2.3							10908
16					0	0.2	1.2	0.8	2.1							11115
17					0	0.1	1.4	0.9	2.4							11119
18					0	0.1	1.3	0.8	2.7							11129
19					0	0.6	2.3	1.7	5.4	0. 25	18.0	16.8	19.4			11125
20					0	1.4	3.1	1.3	5.9							11129
21					0	1.5	3.1	2.5	7.0							11132
22					0	1.4	3.8	2.8	7.6							11134
23					0	1.0	0.9	1.1	2.7							11136
24					0	0.7	1.6	0.8	3.3	0. 26	14.0	15.9	21.7			11153
25					0	0.9	1.2	0.8	2.9							*11086
26	7.0	8.3	8.2	8.0	2	0.9	1.9	0.5	2.7							11086
27	4.8	6.2	5.8	5.9	2	0.3	0.6	0.9	1.8							11088
28					1	0.3	0.9	2.6	4.3							11089
29					1	0.8	1.4	1.0	3.0	P. 1	18.3	16.6	22.4	19.6		11094
30					0	0.6	0.9	0.9	2.3							11097
31																
Prom.	28.0	31.5	30.3	29.0	-	0.8	1.6	1.2	3.6	-	-	-	-	-	-	-

*Puesto a punto

0.50 m.			1 m.			2 m.	3 m.	Temper. Mínima de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos
8h	14h	20h	8h	14h	20h	8h	8h		
13.8	13.9	13.8	14.2	14.2	14.2	15.7	16.8	3.0	Ca. m. t. y n., r. m. y n., B. t. y n.
14.2	14.2	14.2	14.2	14.2	14.2	15.7	17.0	2.0	Ca. m. t. y n., r. m. N. m.
14.5	14.6	14.6	14.2	14.2	14.3	15.8	17.0	3.6	Ca. m. y n., Cn. t., N. m., Ne. t. y n.
14.7	14.7	14.7	14.3	14.3	14.4	15.7	16.9	11.8	Cn. m. t. y n., N. m. t. y n., CH. t. y n.
14.9	15.0	14.9	14.5	14.6	14.5	15.7	16.9	11.5	Ca. t. y n., Cn. m., N. m.
15.0	14.9	14.6	14.4	14.7	14.6	15.7	16.8	- 3.2	Ca. m. t. y n., r. m. y n.
14.6	14.8	14.7	14.6	14.6	14.6	15.7	16.7	- 1.5	Ca. m., Cn. t., r. m.
14.7	14.7	14.7	14.7	14.7	14.7	15.7	16.6	3.6	Ca. t. y n., Cn. m., r. m. y n., B. t.
14.7	14.7	14.7	14.7	14.7	14.9	15.7	17.0	8.5	Ca. m. t. y n., B. t.
15.3	15.4	15.9	14.7	14.7	14.7	15.7	16.9	10.0	Cn. m. t. y n., N. m. y t., Z. n. Tv. n.
15.4	15.2	15.0	14.7	14.8	14.8	15.7	16.8	-	Cn. m. t. y n., LL. m., r. n.
14.6	14.8	14.6	14.7	15.0	14.8	15.7	16.8	8.9	Cn. m. t. y n., Z. m. t. y n.
14.6	14.4	14.2	14.7	14.8	14.7	15.7	16.7	10.5	Ca. m. y n., Cn. t., Vx. m. t. y n.
14.3	14.4	14.0	14.7	14.7	14.7	15.7	16.7	- 2.3	Cn. m. t. y n., r. m. y n.
13.8	13.8	13.7	14.6	14.7	14.6	15.7	16.7	2.5	Cn. m. y t., Ca. n., r. m. y n.
13.8	13.8	13.8	14.7	14.6	14.6	15.8	16.6	- 3.6	Cn. m. t. y n., h. m., r. m. y n.
13.8	13.6	13.8	14.3	14.4	14.4	15.7	16.5	- 2.2	Ca. m. y n., Cn. t., h. m., r. m. y n.
13.4	13.6	13.6	14.3	14.4	14.4	15.8	16.7	4.2	Ca. m. t. y n., r. m., B. t.
13.6	13.6	13.6	14.2	14.4	14.4	15.7	16.4	1.5	Ca. m. t. y n., r. m. t. y n.
13.6	13.8	13.6	14.4	14.4	14.4	15.7	16.7	2.0	Ca. m. y n., Cn. t.
13.4	14.4	14.2	14.4	14.4	14.4	15.7	16.8	5.5	Cn. m. y t., Ca. n.
14.5	14.7	14.7	14.4	14.4	14.7	15.7	16.8	7.5	Ca. m. t. y n., B. t.
15.2	15.4	15.6	14.5	14.5	14.6	15.7	16.9	12.5	Cn. m. y t., Ca. n., B. t.
15.6	15.7	15.6	14.7	14.7	14.7	15.7	16.8	9.8	Cn. m. y t., Ca. n.
15.7	15.6	15.6	14.8	14.8	14.8	15.7	16.8	0.2	Cn. m. y t., Ca. n., r. m. y n., N. m. y n.
15.5	15.6	15.3	14.9	15.0	15.0	15.7	16.8	8.0	Cn. m. t. y n.
15.5	15.6	15.6	15.0	15.1	15.1	15.7	16.9	5.0	Cn. m. y n., Ca. t., B. t., Z. t., LL. n.
15.4	15.5	15.3	15.1	15.1	15.3	15.7	16.8	9.5	Ca. m. t. y n.
15.5	15.3	15.2	15.1	15.1	15.1	15.8	16.8	- 0.2	Ca. m., Cn. t. y n., r. m.
15.2	15.1	15.1	15.1	15.2	15.0	15.7	16.8	- 5.5	Ca. m. t. y n., h. m., r. m. y n.
14.6	14.7	14.6	14.6	14.6	14.6	15.7	16.8	4.2	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESIÓN ATMOSFÉRICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANÍA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mm. mb.	mm. mb.			mm. mb.			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	55.7	64.7	6	7-8	47.3	9	16	14.9	21.6	8.2	30.5	9	15	1.9	6	5-6	6.8	11.5	59
2ª	65.9	72.8	16	11	51.4	12	3	9.1	14.8	3.8	21.3	20	14-15	-2.3	18	6	6.2	11.8	52
3ª	60.3	72.7	30	9,10	52.0	22	16,17	13.2	19.2	7.0	30.7	22	15-16	-0.7	30	6	6.4	12.2	53
MES	60.6	72.8	16	11	47.3	9	16	12.4	18.5	6.1	30.7	22	15-16	-2.3	18	6	6.4	11.8	55

DÉCADA	HUMEDAD DEL AIRE								VIENTO									LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas				Instantáneas				Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Velocidad Máxima	Dirección	Día	Hora					
	%	%		%		mm. mb.	mm. mb.	mm. mb.		Km/h	Km/h.		Km/h.			Km/h.				mm.	mm.		mm.		
1ª	69	99	2	27	7	8.5	15.6	3.0	NE	10	30	4, 5,8	31	5;8	[11-12, 12-13	72	SW	5	11.42	16.4	16.4	10	3.5	11	4-5
2ª	72	99	varios	31	13	6.0	10.2	3.2	SE	8	30	20	29	20	[10-11 [11-12	49	NW	20	10.05	0.6	0.5	11	-	-	-
3ª	72	100	25	31	28	8.2	14.5	3.6	NE	11	30	21, 22	28	21	9-10	41	S	28	18.12	14.5	8.3	26	6.5	26	16-17
MES	71	100	25	31	13,28	7.6	15.6	3.0	SE	9	30	Va.	31	5;8	11-12; 12-13	72	SW	5	11.42	31.5	16.4	10	6.5	26	16-17

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACIÓN							VIENTO - TORM. ELÉCT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
	◊	∞	=	≡	≡	S	ɛ	●	,	✳	▽	▽	△	▲	≋	⌐	⌐
1ª	4	5	2	3	-	-	-	1	1	-	1	-	-	-	-	-	-
2ª	4	2	2	1	-	-	-	1	1	-	-	-	-	-	-	-	-
3ª	4	5	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-
MES	16	12	6	4	-	-	-	4	2	-	1	-	-	-	-	-	-

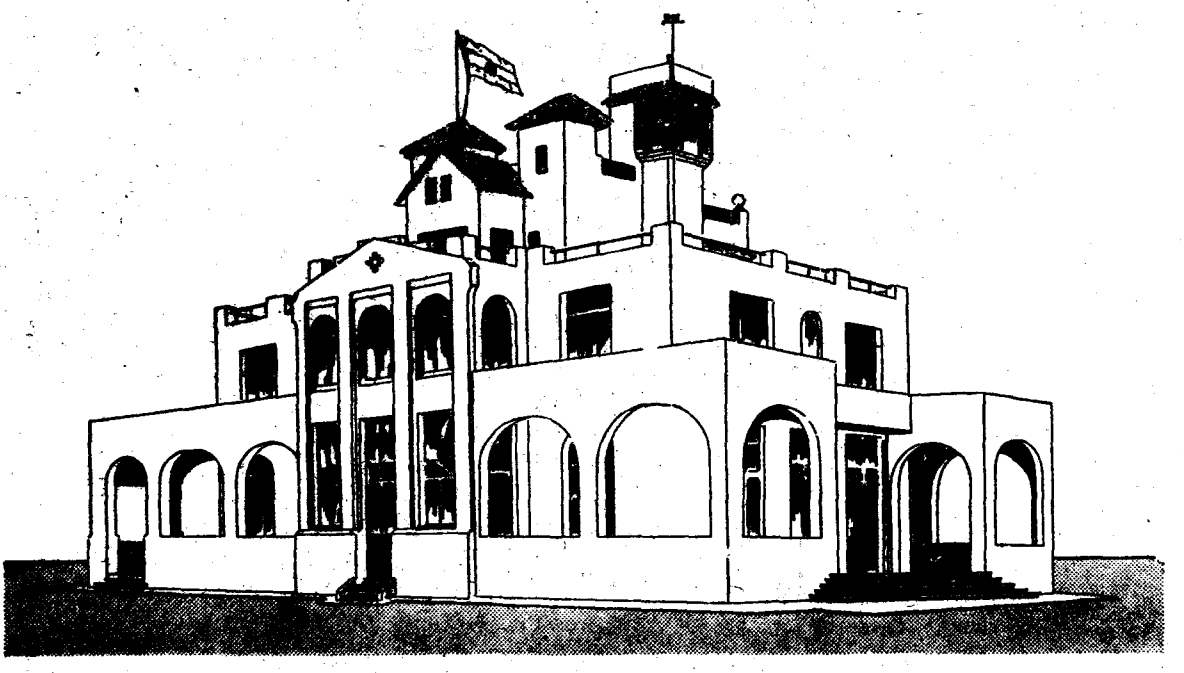
DÉCADA	FENÓMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
	⌒	⌐¬	V	▼	⊠	⊕	◡	◐	∪	⌒	◇	◔	◕	V	Λ	Λ
1ª	5	-	-	-	-	-	-	-	-	-	-	8	2	-	2	-
2ª	7	2	-	-	-	-	-	1	-	-	-	6	4	2	-	-
3ª	3	1	-	-	-	-	-	2	-	-	-	8	2	1	1	-
MES	15	3	-	-	-	-	-	3	-	-	-	22	8	3	3	-

OBSERVATORIO DE FISICA COSMICA

DE

SAN MIGUEL (R. ARGENTINA)

Lat. S. 34° 33'; Long. W. de G. 58° 44'; Alt. 27.4 m.



BOLETÍN MENSUAL

VOLÚMEN VI

AÑO 1951

OCTUBRE · NOVIEMBRE · DICIEMBRE

Dirección: OBSERVATORIO - San Miguel (F.C.N.G.S.M.) - ARGENTINA

APRECIACIÓN GENERAL DE LAS OBSERVACIONES

I. DATOS DIVERSOS

1. Coordenadas geográficas: Con valor aproximado han sido tomadas del mapa de la República Argentina que el Instituto Geográfico Militar editó en el año 1937, escala 1: 1.500.000.

   Lat. geográfica, φ = 34° 33' S;

   Long. geográfica, λ = 58° 44' W de G.

2. Aceleración de la pesantez (corrección por gravedad): g = -0.75.
3. Diferencia entre la hora local y la hora de Greenwich: ΔG = 3h 55m.
4. Altura del Observatorio sobre el nivel del mar: Hs = 27.4 m.
5. Los cómputos climatológicos se han realizado en base a las observaciones efectuadas a las 8.00, 14.00 y 20.00 horas. (Hora legal argentina del meridiano 60° huso XX).
6. Símbolos adoptados: si no se expresa lo contrario las letras y símbolos que distinguen a los elementos meteorológicos, responden a lo sancionado en la conferencia de directores del mundo (Resolución XX, Varsovia, setiembre 1935), y en la II^{a}. Reunión de la Comisión Regional III^{a} (Montevideo, febrero 1939), según Resolución XIII.

II. REGISTROS ELÉCTRICOS

1. Potencial Atmosférico.

   a) El potencial atmosférico (P) se mide independientemente con dos electrómetros de cuadrantes y registro de puntos sobre cinta entintada de diseño y fabricación propios. Los captadores de Ionio están muy cerca del nivel del techo plano del edificio de geoelectricidad a 2.70 m. sobre el nivel del suelo y a 0.60 m. de distancia de la pared. Uno de ellos tiene más o menos tres veces mayor sensibilidad que el otro.

   Los valores numéricos consignados en tablas están corregidos con los correspondientes coeficientes en comparación con medidas absolutas hechas simultáneamente a un metro de altura en terreno llano y despejado. Los valores indican el potencial absoluto reducido a volts por metro (V/M). En los promedios sólo se toman en cuenta los días completos del tipo "0" y "1", desechándose los valores que por cualquier causa fueran dudosos.

   b) Tipo de la curva.- Las bandas se clasifican en cuatro tipos:

   Tipo "0".- No hay valores de potencial negativo y las curvas son sin grandes fluctuaciones.

   Tipo "1".- Hay potencial negativo durante no más de tres períodos horarios. Las fluctuaciones pueden ser bruscas pero no tanto que se salgan mucho del campo de los aparatos ni sea imposible leerlas.

   Tipo "2".- Hay potencial negativo durante 4 ó más períodos horarios (no es necesario que la suma del tiempo con potencial negativo sea siempre más de tres horas). Las fluctuaciones igual que el tipo "1", aunque algunas salidas del campo no impiden que un día sea del tipo "2".

   Tipo "3" o de perturbación.- Grandes cambios de potencial que hacen imposible su lectura y cálculo. Las agujas salen continuamente fuera del campo de los aparatos o éstos deben ser puestos a tierra por tormentas eléctricas.

   c) Otros signos.- Valen los siguientes signos convencionales:

   V/M: Valor del potencial en volts, referido a un metro sobre el nivel del suelo.

   $+\infty, -\infty$: El valor del potencial ha superado una sola vez, por la parte de los potenciales positivos o negativos, el límite del campo disponible en el aparato para registrar las indicaciones de los electrómetros.

   $\pm\infty$: El potencial ha salido del campo en ambos signos durante la hora indicada.

   \- : Registros perdidos por diversas causas (telas de araña, etc...).

   * : Día incompleto.

2. Ionización del aire.

   a) En este capítulo se incluyen los registros continuados de conductibilidad, iones livianos, iones pesados y núcleos Aitken. La entrada de aire para todos menos el último está en el techo del edificio de geoelectricidad a 3.20 m. sobre el nivel del suelo y a 0.40 m. de altura sobre el techo plano. La boca misma de entrada está protegida por un amplio sombrero metálico conectado a tierra que

sirve de blindaje electrostático para anular el efecto del potencial en la entrada de iones. El aire es aspirado después de pasar por los contadores por una serie de bombas (una para cada aparato) accionadas por un motor sincrónico. El registro mismo se hace por medio de electrómetros de cuadrantes del tipo Dolezalek con inscripción fotográfica en papel sensible. Estos han sido diseñados y construídos en el Observatorio y llevan los números 1 a 5. Además de las medidas que cada aparato realiza, en todos ellos queda grabado cada hora el control del punto cero y la aislación del sistema. Cuando por cualquier causa se pierde un valor ello se indica en las tablas por una raya.

b) La conductibilidad (λ) se mide en forma continuada con un aparato condensador de Gerdien. Cada hora se toman dos valores de conductibilidad positiva y dos de conductibilidad negativa en forma alternada indicándose en las tablas el promedio de los dos valores. Los valores tabulados en tablas separadas para cada signo indican la conductibilidad en U.E.S. por 10^{-4}

c) El número de iones livianos (n) se mide en forma continuada con dos contadores de iones del tipo Ebert-Marche de diseño y fabricación propios. Cada uno mide un signo diferente y dá dos valores por hora que luego se promedian y anotan separadamente en las tablas. Los valores indican el número de iones por centímetro cúbico.

d) El número de iones pesados (N), se mide en forma continuada con un contador adaptado para esos iones del tipo Ebert-Marche, de diseño y construcción propios. Cada hora el aparato da un valor para cada signo. Estos valores se consignan en tablas aparte y expresan el número de iones por centímetro cúbico.

e) En relación con los iones livianos y pesados se mide también los núcleos Aitken. Esta medida se hace manualmente una vez por día entre las 13.30 y 14 horas (hora solar). Se usa un contador de núcleos Aitken de la casa Casella de Londres, modelo 1948, número 681. El aparato se coloca al aire libre sobre un trípode de un metro de altura cerca del edificio de geoelectricidad. Los valores que van anotados en la tabla indican el número de núcleos Aitken por centímetro cúbico de aire.

3. Resúmen del estado eléctrico del aire.

a) Estos datos se obtienen tomando en cuenta los promedios diurnos de los diversos registros y aunque son de gran interés, debe tenerse en cuenta sus limitaciones por la misma forma estadística y global usada para su confección.

b) Conductibilidad.- Para cada día se anota λ^+, λ^-, la suma de λ^+ y λ^-, y la relación de λ^+/λ^-.

c) Iones livianos.- Para cada día se anota n^+, n^-, la suma de n^+ y n^-, y la relación de n^+/n^-. Además se calcula la movilidad (K) de estos iones separadamente para cada signo tomando los promedios diurnos de conductibilidad y número de iones según la fórmula:

$$K = \frac{\lambda}{e \cdot n} \cdot \frac{1}{300}$$

Se expresa el valor de la movilidad en centímetros por segundo por volt por centímetro.

d) Iones pesados.- Para cada día se anota N^+, N^-, la suma de N^+ y N^-, y la relación de N^+/N^-.

e) La corriente vertical (i) se obtiene por cálculo los días en que el registro de conductibilidad y potencial son completos, según la fórmula: $i = P\,(\lambda^+ + \lambda^-) \cdot \frac{1}{30.000}$

Para "P" y "λ" se toman los promedios diurnos de estos registros.- "i" va expresado en U.E.S. por 10^{-7} por cm^2.

III. CORRIENTES TELÚRICAS

a) Las corrientes telúricas se registran en dos componentes horizontales, N-S y E-W. Para el registro se usa un aparato de diseño y fabricación propio con inscripción a puntos simultáneos por chispa eléctrica cada minuto. La sensibilidad de los galvanómetros es suficiente para trabajar con 50000 ohms en serie en las líneas largas y 10000 ohms en las líneas cortas, evitando así toda corrección continua de los valores registrados por las muy pequeñas variaciones de resistencia de líneas y tomas.

b) Líneas y tomas.- Hay dos sistemas completos e independientes de líneas y tomas orientadas exactamente en dirección N-S y E-W. Las tomas están formadas por parrillas de alambre de plomo puro enterrado a 1.10 metros de profundidad, todas en terreno arcilloso muy semejante. Con líneas largas la distancia entre tomas es de 3000 metros para la componente N-S y 2580 metros para la componente E-W. Con líneas cortas estas distancias son de 520 metros para la componente N-S y 620 metros para la E-W.

c) Notación.- Los valores están reducidos a milivolts por kilómetro (MV/Km) y cuando no llevan

ningún signo son de sentido positivo. Cuando son de sentido negativo los valores llevan el signo menos (-). En las columnas verticales se indica además del promedio de la suma algebraica de los valores horarios, los valores correspondientes a la curva de variaciones por ser ésta de interés principal en las corrientes telúricas. Cuando por cualquier causa se ha perdido el registro se indica esto con una raya (-) en lugar del valor correspondiente. Algunos meses se trabaja usando las líneas largas, otros las cortas. Esto va indicado en el encabezamiento de las planillas.

d) Tipo de curva.- Las curvas diarias son clasificadas en tres tipos:

Tipo "0".- Curva muy regular con variación diurna muy pura.

Tipo "1".- Curva algo accidentada pero que conserva todavía las principales características de la variación diurna.

Tipo "2".- Curva muy accidentada.

IV. REGISTROS METEOROLÓGICOS

1. Presión atmosférica.- Los valores consignados en milímetros y décimos de milímetros se han obtenido por interpolación entre las lecturas directas, en las horas mencionadas, del Barómetro Fortín N-Z nº.2575, corregidas por temperatura, error de índice (s/c) y gravedad (-0.75), y los dados por las fajas del Barógrafo Fuess nº.3130. La altura de la cubeta del Barómetro está a 28.2 m. sobre el nivel del mar.
2. Temperatura del aire.- Los valores anotados en grados y décimos corresponden a los de la escala centígrada o Celsius, habiéndoselos obtenido por interpolación entre las lecturas directas del Termómetro de mercurio Fuess nº.82123, y los dados por las fajas del Termógrafo Fuess nº.101252.
3. Humedad relativa.- Los valores expresados en tanto por ciento (%) se han deducido por interpolación entre los determinados por el Psicrómetro Fuess nºs. 82123 y 82124, y los leídos en las fajas del Higrógrafo N-Z nº.12152 con excepción de los correspondientes a las 8.00, 14.00 y 20.00 horas. Estos valores así como los anteriores vienen suministrados por el instrumental instalado dentro del abrigo meteorológico; sus órganos sensibles se encuentran a 1.60 m. sobre el nivel del suelo.
4. Tensión del vapor.- Los valores indicados en milímetros y décimos de milímetros los entregan las tablas correspondientes utilizando como argumento los valores interpolados de la "temperatura del aire" y "humedad relativa", con excepción de los valores de las 8.00, 14.00 y 20.00 horas obtenidos de las tablas psicrométricas.
5. Viento: dirección y velocidad.- La dirección se anota según ocho rumbos y con las abreviaturas clásicas, deducida de la veleta registradora Richard nº.91435. Los valores de la velocidad en m/s son los observados durante los cinco minutos que preceden a las horas de las observaciones; valen las cifras de la escala de Beaufort convertidas en m/s.
6. Nubes: grado y clases.- Se consigna el resultado de la observación estimada y considerando al cielo dividido en ocho partes, de modo que para un cielo completamente despejado de nubes se considera nubosidad cero (0), y para el completamente cubierto nubosidad ocho (8). Las clases responden a las existentes en el cielo en el momento de las observaciones; las abreviaturas son las corrientes.
7. Visibilidad.- Se anotan los grados de visibilidad horizontal existente en el momento de la observación y utilizando las cifras de la tabla correspondiente, de modo que en una escala de 90 a 99 la primera cifra indique no ser visible un objeto situado a menos de 50 metros y la última a más de 50.000.
8. Radiación solar.- Los números indican la cantidad de calor radiante expresado en gramo-calorías por centímetro cuadrado y por minuto deducidos del juego de actinómetros: Bulbo blanco Fuess nº.1872 y Bulbo negro Fuess nº.1873, siendo la constante instrumental 12.3°.
9. Insolación y Transparencia.- Los números responden a las escalas especiales siguientes:
   Insolación: Sol completamente oculto (0); id., débil con intermitencias (1); id., id., constante (2); id., bastante bueno con intermitencias (3); id., id., id., constante (4); id., espléndido (5).
   Transparencia: Pésima (1); mala (2); mediana (3); buena (4); muy buena (5).
10. Heliofanía.- Las cifras representan las horas y décimos de hora leídas en las fajas del Heliofanógrafo Campbell nº.1541. Cuando se consideran los totales diarios que dan el tiempo que el Sol quemó las fajas del instrumento, se habla de H. efectiva; H. teor.-astronómica son los valores correspondientes al "máximum posible de horas de Sol" que corresponde al Observatorio según su posición geográfica; H. relativa los valores obtenidos de dividir la "H. efectiva" por la "H. teor.-astronómica" y multiplicado por cien.
11. Lluvia.- Los datos se obtienen del pluviómetro

Hellmann (Tipo B) situado a 1.50 m. sobre el nivel del suelo, controlados con el Pluviógrafo Casella nº.428. A los efectos de estudiar el gradiente de caída se consignan además los valores que entregan los Pluviómetros Tipo A colocados a 0.50 m., 7.00 m. y 18.00 m. sobre el nivel del suelo. Los valores expresados en milímetros y décimos representan el total de lluvia caída en las últimas 24 horas.

12. Estado del suelo.- Los valores vienen dados en cifras del código internacional de 0 a 9.
13. Evaporación.- Los números expresados en milímetros y décimos de milímetros representan el total de agua evaporada en las últimas 24 horas deducidos del Evaporímetro nº.30. Se entiende que el total del agua evaporada es la determinada en la observación de las 8.00 horas.
14. Geohidrometría.- Las cifras representan el porcentaje de humedad a las profundidades diversas del suelo, considerando que éste ha sido previamente deshidratado a una temperatura de 105° C.
15. Freatímetro.- Los valores expresados en milímetros indican las variaciones del nivel de la primera capa de agua del subsuelo, deducidos del Freatímetro DMGH 133.
16. Geotemperatura.- Valores directos de la temperatura del subsuelo tomados a las horas y profundidades que se indican, de los termómetros: Fuess 13281 (0.05 m.), 14530 (0.10 m.) , 13117 (0.20 m.), 13135 (0.30 m.), 14786 (0.40 m.); Salmoiraghi 50537 (0.50 m.); Fuess 13198 (1.00 m.), 7061 (2.00 m.); N-Z H3009 (3.00 m.).
17. Temperatura mínima del suelo.- Valores mínimos de la temperatura de la superficie a las 8.00 horas del Termómetro N-Z CE5423.
18. Ocurrencia de hidrometeoros y otros fenómenos.- No habiendo sido posible adquirir caracteres especiales de imprenta valen las siguientes denominaciones:

LL: lluvia.-
Z : llovizna.-
Ni: nieve.-
AN: agua-nieve.-
CH: chaparrones.-
Chni: chaparrones de nieve.-
CHan: chaparrones de agua-nieve.-
G : granizo.-
Gb: granizo blando.-
Pi: piedra.-
N : niebla.-
Ne: neblina.-
Ns: niebla del suelo.-
B : bruma.-
Vx: aire diáfano - Visib. extr.-
Cn: cielo cubierto.-
Ca: cielo claro.-
Ru: tormentas (relámp. y truen.).-
R : relámpagos.-
Tv: vientos fuertes.-
r : rocío.-
h : helada.-
ns: suelo cubierto de nieve.-
Gh: granos de hielo.-
ah: agujas de hielo.-
fi : cencellada blanda.-
fia: cencellada dura.-
H : hielo glaseado.-
Kn: nevascas.-
Ka: ventisca alta.-
Kb: ventisca baja.-
Nla: nieve con agujas de hielo.-
Tp: tromba-remolinos de polvo.-
Ng: nieve granulada.-
Ta: tempestad de polvo o arena.-
Ds: halo solar.-
Dl: halo lunar.-
Js: corona solar.-
Jl: corona lunar.-
P : arco iris.-
M : aurora.-
S : luz zodiacal.-
E : espejismo.-
Am: amenazante.-
dv: deposición de vapor.-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VI — OCTUBRE 1951 — Nº 10

RESUMEN MENSUAL

En los primeros días del mes, desplázase un fuerte anticiclón hacia el SE. Se intensifica en consecuencia la corriente del norte provocando en todo el litoral argentino y la provincia de Buenos Aires, un aumento de temperatura, humedad y nubosidad. Al avanzar aire fresco desde el sud el día 3, se forma el 4, una depresión sobre el litoral y llueve intensamente por la tarde y noche. La fuerte nubosidad se mantiene todavía el 5 y recién el 6 aclara el tiempo llegando luego aire más fresco y seco de origen polar con fuertes vientos del SE. El 7, disminuye la advección y reina tiempo bueno. Por la mañana del 9 pasa otra zona de inestabilidad por el Observatorio provocando ligeros chaparrones; por la tarde se registra un marcado descenso de temperatura.

El avance simultáneo de aire tropical desde el norte y de aire polar del SE, originan nuevamente la formación de una depresión sobre el Río de la Plata, la que se manifiesta en el fuerte descenso de la presión hasta su valor mínimo mensual de 747.1 mm en la madrugada del 12. El tiempo sigue parcialmente nublado, con temperaturas que no difieren mayormente de la normal, para esta época del año. Por la tarde del 17, un potente frente de aire polar atraviesa el Observatorio registrándose un marcado descenso de temperatura, 15.0°C en 10 horas, mientras la presión aumenta 9.0 mm en el mismo lapso. Este aire frío y seco persiste hasta el fin de la década, registrándose el 19, la presión más alta del mes, con 770.8 mm y la temperatura más baja con 0.3°C; la temperatura de la superficie terrestre desciende también a casi -5.0°C.

Por el cambio del viento al Norte, aumenta rápidamente la temperatura al principio de la última década siendo las condiciones atmosféricas inestables hasta que el 25 otro empuje de aire polar restablece el buen tiempo. En este aire seco se registra el 26, la última helada del año y la mínima de la tensión del vapor con 6.4 mm; la de la humedad relativa con 20% se anota dos días después (28). El cambio del viento al sector N y su intensificación en los últimos días hace aumentar rápidamente la temperatura y la humedad a sus valores máximos mensuales: 28.7°C el 30 y 17.0 mm el 31, respectivamente.

Los promedios mensuales de este mes no varían mayormente de su término medio, acusando sólo una desviación negativa la presión atmosférica de 1.7 mm y la tensión de vapor de 1 mm debido a la gran actividad ciclónica de este mes y a los frecuentes empujes de aire relativamente seco. Por eso registra también la lluvia, sólo la mitad de su normal.

POTENCIAL ATMOSFÉRICO en V/M.

DIAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	41	55	76	62	62	69	90	-	-	-	145	131	138	172	166
2	83	83	83	97	90	104	110	97	97	48	- 48	90	104	97	104
3	55	48	55	48	55	69	69	97	110	110	124	131	138	152	138
4	- 28	193	±∞	±∞	±∞	284	-224	246	186	233	402	152	-	-	62
5	-195	110	55	55	69	69	69	55	69	48	48	55	83	117	90
6	62	55	55	48	62	55	83	83	97	117	90	83	76	55	41
7	48	48	41	34	28	34	48	55	62	76	83	83	83	83	83
8	69	104	83	83	83	41	110	138	124	166	117	104	83	110	131
9	39	26	34	- 26	∞	± ∞	±∞	±∞	±∞	±∞	±∞	83	44	- 13	-126
10	28	55	62	62	76	76	117	193	179	220	166	145	131	179	246
11	55	62	69	62	55	48	48	14	83	-	-	297	-195	136	138
12	62	∞	∞	-181	-	-	- ∞	172	220	304	193	124	104	90	76
13	62	83	131	138	152	145	159	159	145	152	152	145	159	152	172
14	62	90	90	90	90	97	152	272	328	252	207	83	55	28	28
15	34	34	41	76	110	76	159	159	124	117	48	28	21	28	34
16	- 28	131	- 21	- 90	- 41	76	90	207	166	165	110	90	76	83	83
17	55	41	34	107	14	7	- 48	- 62	55	259	97	104	± ∞	159	239
18	41	48	41	55	62	69	83	117	110	90	69	76	83	83	76
19	117	90	69	69	104	104	172	186	124	97	69	69	83	83	55
20	110	138	110	97	97	145	200	145	124	110	90	117	117	124	131
21	69	62	48	28	34	76	48	21	28	48	69	76	76	76	48
22	83	83	76	83	76	97	110	83	124	97	48	34	41	14	21
23	41	76	110	124	69	62	90	138	117	48	14	14	21	14	41
24	28	- 7	- 7	34	21	34	76	152	90	83	76	∞	- ∞	-438	- 28
25	124	124	159	145	131	131	124	83	41	- 14	- 62	- 21	14	48	55
26	124	124	138	83	90	104	131	104	131	233	145	145	138	159	152
27	62	62	62	69	76	76	62	90	48	- 69	-131	-159	∞	- ∞	± ∞
28	21	28	41	62	83	69	83	138	272	186	138	97	55	48	41
29	110	117	110	62	76	48	90	104	110	90	48	55	76	104	124
30	- 28	21	- 21	- 21	41	34	62	83	- 14	- 83	-131	- 34	69	± ∞	± ∞
31	69	76	62	69	117	172	284	362	284	252	226	207	220	166	179
Prom.	53.4	77.9	72.9	70.6	80.5	89.8	119.3	135.6	141.6	135.4	105.5	102.4	101.5	101.5	102.1

RESUMEN DEL ESTADO ELÉCTRICO DEL AIRE

DÍAS	CONDUCTIBILIDAD "λ" . 10^{-4}				IONES LIVIANOS					
					número "n" por cm^3				velocidad	
	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-	n^+	n^-	$n^+ + n^-$	n^+ / n^-	K^+	K^-
1	0.85	0.77	1.62	1.10	666	456	1122	1.46	0.89	1.18
2	0.70	0.65	1.35	1.08	206	143	349	1.44	2.38	3.18
3	0.79	0.73	1.52	1.08	395	321	716	1.23	1.40	1.58
4	0.55	0.46	1.01	1.19	510	365	875	1.40	0.75	0.88
5	1.37	1.28	2.65	1.07	941	718	1659	1.31	1.02	1.25
6	1.41	1.35	2.76	1.04	1088	875	1963	1.24	0.91	1.08
7	1.21	1.06	2.27	1.14	994	691	1685	1.44	0.85	1.07
8	0.86	0.74	1.60	1.16	641	451	1092	1.42	0.94	1.15
9	0.87	0.80	1.67	1.08	626	460	1086	1.36	0.97	1.21
10	0.75	0.70	1.45	1.07	585	372	957	1.57	0.90	1.32
11	0.74	0.67	1.41	1.10	600	433	1033	1.38	0.86	1.08
12	0.96	0.84	1.80	1.14	780	583	1363	1.33	0.86	1.01
13	0.86	0.69	1.55	1.24	641	386	1027	1.65	0.94	1.25
14	0.80	0.62	1.42	1.29	500	221	726	2.26	1.12	1.95
15	0.83	0.73	1.56	1.13	620	392	1012	1.58	0.94	1.30
16	0.95	0.83	1.78	1.14	723	497	1220	1.45	0.92	1.17
17	0.99	0.94	1.93	1.05	698	438	1136	1.59	0.99	1.50
18	0.91	0.78	1.69	1.16	918	601	1519	1.53	0.69	0.91
19	0.74	0.60	1.34	1.23	672	468	1140	1.46	0.77	0.90
20	0.60	0.50	1.10	1.20	488	274	758	1.76	0.87	1.27
21	0.99	0.85	1.84	1.16	799	515	1314	1.55	0.87	1.15
22	1.04	0.97	2.01	1.07	774	483	1257	1.59	0.94	1.40
23	0.92	0.84	1.76	1.09	670	510	1180	1.31	0.96	1.15
24	0.84	0.75	1.59	1.12	619	394	1013	1.57	0.95	1.33
25	0.99	0.85	1.84	1.16	705	514	1219	1.37	0.98	1.16
26	0.81	0.76	1.57	1.07	731	479	1210	1.53	0.78	1.11
27	0.96	0.88	1.84	1.09	741	607	1348	1.22	0.91	1.02
28	1.04	0.83	1.87	1.07	737	399	1136	1.84	0.99	1.45
29	0.96	0.88	1.84	1.09	577	466	1043	1.23	1.16	1.31
30	0.87	0.77	1.54	1.13	703	574	1277	1.22	0.87	0.94
31	0.66	0.52	1.18	1.27	450	157	607	2.88	1.02	2.32
Prom.	0.91	0.80	1.71	1.13	667	459	1126	1.45	0.96	1.22

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplit.	Tipo de Curva
179	179	166	172	145	124	104	97	83		226	41	185	0*
117	124	166	166	110	90	69	62	62	91.9	213	- 62	275	1
159	197	193	117	110	107	110	97	90	107.4	252	- 14	226	1
62	90	124	138	62	14	- 55	- 21	97		∞	- ∞	-	3*
55	34	48	41	55	48	48	62	62	52.1	345	-512	857	1
48	69	55	55	48	48	48	41	41	63.1	152	- 28	180	1
83	90	76	62	83	55	69	55	69	63.8	97	21	76	0
90	69	90	104	110	110	83	90	76	98.7	259	- 21	280	1
∞	∞	10	± ∞	168	95	85	99	76		∞	- ∞	-	3*
239	226	70	99	83	62	60	55	55	120.2	322	- 10	332	1
124	131	110	124	97	90	76	69	83		∞	- ∞	-	3*
76	69	62	76	83	90	69	69	55		∞	- ∞	-	3*
131	110	41	14	41	69	83	83	83	115.0	310	- 28	338	1
41	55	41	28	41	41	48	76	41	97.3	402	00	402	0
41	34	41	62	62	83	∞	- ∞	14		∞	- ∞	-	3*
83	69	83	55	131	117	138	90	83		397	-454	851	2
179	124	83	62	55	34	55	48	41		∞	- ∞	-	3*
69	69	69	76	90	97	90	97	117	78.2	152	12	140	0
69	55	48	55	69	145	117	90	138	94.9	252	- 41	293	1
138	145	193	124	104	83	69	69	69	118.7	333	- 28	361	1
83	83	110	131	110	124	90	83	90	71.3	213	14	199	0
28	28	55	34	41	62	34	34	41	59.5	145	- 7	152	1
28	34	48	55	41	14	76	62	41		179	-342	521	2
69	76	83	55	83	131	159	131	97		∞	- ∞	-	3*
14	34	76	62	69	90	110	90	90		186	-281	467	2
62	28	28	90	124	152	124	124	97	117.9	272	- 21	293	1
∞	110	259	97	166	131	124	83	34		∞	- ∞	-	3*
69	62	55	48	69	138	145	145	152	93.5	374	- 69	443	1
110	110	110	83	28	34	28	28	69		166	- 34	200	2
± ∞	-	-	- ∞	83	62	55	41	55		∞	- ∞	-	3*
186	138	124	131	145	152	138	104	104	165.3	449	41	408	0
98.0	93.0	86.0	80.9	84.3	93.1	83.8	80.4	81.6	94.6				

IONES PESADOS número "N" por cm³				CORRIENTE VERTICAL "i" . 10^{-7} U.E.S. por cm²	NÚCLEOS AITKEN por cm³
N^+	N^-	$N^+ + N^-$	N^+ / N^-		
5831	5908	11739	0.99	-	-
3401	3102	6503	1.10	4.13	72,750
5970	5792	11762	1.03	5.46	31,250
9035	8948	17983	1.01	-	45,250
1645	2916	4561	0.57	4.60	29,500
1832	2392	4224	0.77	5.80	58,000
4309	5304	9623	0.81	4.84	25,250
5866	6765	12631	0.87	5.26	57,000
5347	7513	12860	0.71	-	71,000
7662	9122	16784	0.84	5.83	-
5045	6357	11402	0.79	-	-
4484	7220	11704	0.62	-	-
5773	9664	15437	0.60	5.96	-
8256	12034	20290	0.69	4.61	-
6847	10249	17096	0.67	-	-
4224	6785	11009	0.62	-	-
3737	5815	9552	0.64	-	-
3476	5087	8563	0.68	4.42	-
7293	8784	16077	0.83	4.24	-
10655	10994	21649	0.97	4.37	-
5383	6316	11699	0.85	4.38	-
6017	8071	14088	0.74	3.99	-
5160	9176	14336	0.56	-	-
5078	9457	14535	0.54	-	-
7253	9841	17094	0.74	-	-
6689	8634	15323	0.77	5.24	-
6653	9372	16025	0.71	-	-
6767	9486	16253	0.71	5.83	-
6163	8779	14942	0.70	-	-
5569	9303	14872	0.60	-	-
8186	12734	20920	0.64	6.52	-
5772	7805	13577	0.74	5.39	48,750

CONDUCTIBILIDAD POSITIVA $\lambda^+ . 10^{-4}$

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	0.56	0.90	1.10	1.29	0.95	1.05	0.91	0.83	1.08	1.10	0.85	0.91
2	0.60	0.63	0.66	0.72	0.65	0.71	0.73	0.59	0.76	0.84	0.93	0.72
3	0.86	0.84	0.84	0.84	0.81	0.91	0.81	0.83	0.92	0.88	0.91	0.84
4	1.01	0.82	1.05	0.94	0.74	0.94	0.55	0.15	0.17	0.23	0.31	0.28
5	-	0.89	1.36	1.34	1.45	1.50	1.37	1.19	1.29	1.07	1.19	1.38
6	1.71	1.83	1.81	1.80	1.73	1.65	1.55	1.41	1.56	1.08	1.10	1.24
7	1.00	1.56	1.63	1.76	1.81	1.76	1.59	1.54	1.49	1.23	1.11	1.07
8	0.84	0.71	0.72	0.86	0.70	0.78	0.72	0.82	0.94	0.86	0.91	0.88
9	1.06	1.16	1.27	1.12	1.06	0.94	0.96	0.94	0.46	0.57	0.56	0.82
10	1.22	1.39	1.28	1.67	-	-	-	0.66	0.60	0.53	0.58	0.50
11	1.04	-	-	-	-	-	-	0.74	0.76	0.72	0.67	0.72
12	0.85	1.11	1.29	1.42	1.27	1.18	0.61	0.76	0.79	0.63	0.75	0.99
13	1.20	1.15	1.00	0.74	0.68	0.71	0.62	0.68	0.87	0.72	0.73	0.84
14	0.62	0.59	0.60	0.60	0.66	0.78	0.81	0.74	0.73	0.62	0.60	0.61
15	0.99	0.91	1.08	0.82	0.61	0.56	0.55	0.79	0.86	0.81	0.80	0.81
16	0.96	1.10	1.55	0.88	1.38	0.86	0.75	0.73	1.02	1.22	0.95	0.99
17	0.88	1.15	1.46	1.41	0.88	0.86	0.88	0.65	0.87	0.67	0.65	0.55
18	1.63	-	-	-	-	-	-	1.15	1.07	0.76	0.72	0.82
19	0.78	1.04	1.03	0.88	0.83	0.81	0.76	0.73	0.73	0.74	0.77	0.72
20	0.51	0.56	0.54	0.63	0.40	0.40	0.51	0.57	0.66	0.84	0.73	0.66
21	0.45	0.45	0.73	0.81	0.96	1.34	1.28	1.08	1.17	1.23	1.06	1.13
22	-	-	-	-	-	-	-	1.25	1.00	1.10	1.06	1.03
23	1.15	1.12	1.05	0.84	0.67	0.85	0.67	0.97	0.94	0.66	0.78	0.85
24	0.57	1.14	1.24	1.15	0.94	0.64	0.71	0.63	0.59	0.89	0.95	0.73
25	0.72	0.94	0.86	0.73	0.80	0.75	1.13	0.94	1.34	1.22	0.96	1.00
26	1.11	1.25	0.93	0.67	1.05	-	-	0.98	0.88	0.83	0.79	0.76
27	1.13	1.00	1.34	1.37	1.30	1.20	1.20	1.12	1.11	0.88	1.04	1.22
28	1.01	1.30	1.32	1.41	1.10	0.93	1.45	0.89	0.84	1.16	0.75	0.89
29	0.95	0.79	0.92	0.93	1.06	0.63	0.96	0.94	1.17	1.03	1.19	1.17
30	0.63	0.99	0.73	0.66	0.94	1.14	1.24	1.00	1.10	0.96	0.82	0.87
31	0.87	0.80	0.69	0.60	0.60	-	-	0.52	0.69	0.58	0.52	0.52
Promedio	0.93	1.00	1.07	1.03	0.96	0.96	0.93	0.86	0.92	0.86	0.83	0.86

CONDUCTIBILIDAD NEGATIVA $\lambda^- . 10^{-4}$

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	0.51	0.83	0.58	1.15	0.83	0.80	0.45	0.73	1.02	0.97	0.83	0.87
2	0.82	0.87	0.67	0.69	0.63	0.65	0.58	0.51	0.63	0.80	0.77	0.65
3	0.74	0.69	0.79	0.76	0.72	0.74	0.56	0.81	0.83	0.89	0.67	0.79
4	1.36	0.64	0.62	0.51	0.94	0.59	0.46	0.12	0.09	0.16	0.20	0.30
5	-	1.02	1.57	1.10	1.32	1.41	1.20	1.00	1.27	0.99	1.01	1.40
6	1.72	1.77	1.84	1.76	1.76	1.62	1.49	1.46	1.25	0.95	1.07	1.16
7	1.78	1.69	1.00	1.65	1.50	1.53	1.41	1.46	1.36	1.13	1.01	0.94
8	0.55	0.49	0.54	0.60	0.45	0.57	0.49	0.82	0.84	0.84	0.89	0.82
9	0.98	0.98	0.89	0.93	1.23	0.51	0.90	0.65	0.36	0.46	0.71	0.72
10	1.31	1.20	1.04	1.60	-	-	-	0.59	0.57	0.56	0.58	0.51
11	1.04	1.15	-	-	-	-	-	0.77	0.54	0.63	0.58	0.51
12	0.77	0.49	1.21	2.34	0.95	1.17	0.96	0.53	0.48	0.38	0.56	0.92
13	0.92	1.00	0.76	0.53	0.44	0.44	0.40	0.58	0.75	0.73	0.64	0.67
14	0.55	0.39	0.41	0.42	0.50	0.54	0.56	0.58	0.51	0.49	0.49	0.51
15	0.77	0.80	0.89	0.69	0.47	0.42	0.45	0.64	0.84	0.73	0.73	0.72
16	0.96	0.87	1.46	0.96	1.26	0.75	0.56	0.68	0.86	0.95	0.82	0.95
17	0.83	1.11	1.56	0.97	1.08	0.90	0.98	0.91	0.88	0.48	0.62	0.55
18	1.41	-	-	-	-	-	-	1.10	0.87	0.67	0.65	0.82
19	0.56	0.79	0.63	0.51	0.49	0.49	0.71	0.56	0.66	0.71	0.76	0.73
20	0.42	0.36	0.39	0.43	0.32	1.30	0.36	0.52	0.56	0.82	0.68	0.60
21	0.33	0.29	0.60	0.54	0.86	1.12	1.10	0.95	1.10	1.08	1.07	1.12
22	-	-	-	-	-	-	-	1.06	0.92	0.84	1.05	0.92
23	1.21	1.09	0.78	0.74	0.57	0.71	0.61	1.17	0.88	0.74	0.65	0.80
24	0.55	1.16	1.08	1.09	0.87	0.53	0.34	0.62	0.58	0.76	0.98	0.69
25	0.56	0.60	0.63	0.61	0.65	0.66	1.27	0.67	1.37	1.35	1.05	1.00
26	0.73	0.75	0.62	0.62	1.14	-	-	0.81	0.73	0.70	0.73	0.72
27	0.95	1.12	1.39	1.24	1.07	1.17	1.10	1.29	1.10	0.78	1.28	1.07
28	0.81	1.17	1.01	1.03	0.63	0.70	0.91	0.68	0.65	0.81	0.70	0.77
29	0.87	0.66	0.80	0.85	0.78	0.56	0.69	1.19	0.94	1.02	1.25	1.19
30	0.67	0.95	0.69	0.66	0.82	1.02	1.40	1.39	1.02	0.97	0.90	0.80
31	0.45	0.45	0.49	0.41	0.30	-	-	0.29	0.42	0.40	0.42	0.42
Promedio	0.87	0.88	0.90	0.91	0.84	0.80	0.80	0.81	0.80	0.77	0.78	0.80

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
0.94	0.80	0.83	0.88	0.79	0.79	0.74	0.68	0.90	0.24	0.62	0.57	0.85
0.68	0.56	0.53	0.60	0.51	0.63	0.56	0.69	0.81	0.73	0.90	1.01	0.70
0.89	0.79	0.94	0.95	0.77	0.35	0.33	0.48	0.66	0.50	0.69	1.24	0.79
0.51	0.66	0.68	0.58	0.34	0.40	0.19	0.41	-	-	-	-	0.55
1.24	1.39	1.24	1.32	1.29	1.32	1.37	1.53	1.68	1.58	1.69	1.77	1.37
1.20	1.09	1.15	1.06	1.01	1.17	1.23	1.36	1.47	1.39	1.58	1,67	1.41
1.03	0.87	0.99	0.95	0.90	1.01	1.27	1.00	0.95	0.99	0.81	0.75	1.21
0.82	0.91	0.86	0.84	1.01	0.94	0.97	0.89	0.79	0.84	1.05	1.07	0.86
0.85	0.89	0.91	0.84	0.86	0.84	0.81	0.53	0.84	0.97	0.81	0.72	0.87
0.62	0.56	0.53	0.60	0.58	0.57	0.41	0.40	0.51	0.52	0.96	1.10	0.75
0.76	0.79	0.81	0.76	0.69	0.49	0.41	0.60	0.69	0.84	0.94	0.85	0.74
1.02	1.07	1.22	1.12	0.64	0.96	1.01	0.68	0.74	0.83	1.01	1.06	0.96
0.85	0.87	0.82	0.97	0.97	0.90	0.90	0.99	0.95	0.92	0.83	0.78	0.86
0.57	0.57	0.71	0.87	0.91	1.10	1.50	1.08	1.09	0.99	0.86	0.94	0.80
0.85	1.07	0.84	0.97	0.96	0.87	0.66	0.81	0.52	0.71	0.82	1.31	0.83
1.02	1.04	1.10	1.15	1.03	0.89	0.71	0.82	0.56	0.56	0.72	0.77	0.95
0.53	0.91	0.52	0.85	1.11	1.27	0.97	1.33	1.29	1.51	1.24	1.22	0.99
0.99	0.98	1.03	0.94	0.94	0.89	0.89	0.68	0.72	0.82	0.69	0.70	0.91
0.82	0.65	0.55	0.56	0.51	0.72	0.78	0.64	0.76	0.74	0.68	0.52	0.74
0.59	0.50	0.61	0.68	0.69	0.87	0.92	0.42	0.48	0.62	0.54	0.54	0.60
0.84	1.36	1.22	1.07	1.11	1.02	0.93	0.77	0.76	0.96	-	-	0.99
1.02	1.15	1.12	1.22	1.16	0.78	0.71	0.74	0.86	1.10	1.14	1.32	1.04
0.78	1.07	1.22	1.18	1.11	1.12	1.05	0.90	1.18	0.81	0.52	0.50	0.92
0.44	0.34	1.09	1.09	1.15	1.15	1.06	1.05	0.65	0.71	0.78	0.60	0.84
1.09	1.07	0.99	0.89	1.09	1.13	0.97	1.04	0.89	0.98	1.05	1.11	0.99
0.69	0.67	0.68	0.69	0.69	0.82	1.04	0.95	0.72	1.03	0.98	1.27	0.81
1.22	1.05	0.70	1.02	1.01	0.76	0.81	0.56	0.43	0.41	0.50	0.56	0.96
0.83	0.84	0.81	0.95	0.90	1.14	1.31	1.39	1.13	0.52	1.05	0.98	1.04
1.11	1.02	0.94	1.00	1.18	1.32	0.85	0.73	0.93	1.22	0.56	0.50	0.96
0.90	0.98	0.86	0.74	0.79	0.63	0.84	1.23	0.86	0.53	0.76	0.73	0.87
0.55	0.66	0.76	0.89	0.97	0.89	0.53	0.39	0.34	0.41	0.58	1.23	0.66
0.85	0.88	0.88	0.91	0.89	0.89	0.86	0.87	0.84	0.83	0.87	0.94	0.91

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
0.87	0.79	0.73	0.72	0.73	0.69	0.64	0.51	0.82	0.45	0.71	0.85	0.77
0.58	0.49	0.49	0.51	0.55	0.55	0.51	0.65	0.67	0.67	0.72	0.87	0.65
0.86	0.77	0.90	0.87	0.68	0.27	0.32	0.51	0.64	0.47	0.62	0.58	0.73
0.47	0.55	0.64	0.43	0.28	0.25	0.19	0.41	-	-	-	-	0.46
0.92	1.19	1.28	1.15	1.21	1.26	1.34	1.49	1.60	1.49	1.56	1.78	1.28
1.18	1.07	1.09	1.09	0.99	1.11	1.09	1.26	1.31	1.28	1.46	1.62	1.35
0.91	0.80	0.94	0.94	0.79	0.84	0.89	0.51	0.68	0.60	0.57	0.47	1.06
0.81	0.80	0.71	0.76	0.96	0.77	0.83	0.76	0.73	0.82	0.92	0.94	0.74
0.80	0.83	1.03	-	0.67	1.09	0.74	0.56	0.77	0.92	0.72	0.95	0.80
0.56	0.58	0.47	0.51	0.53	0.49	0.41	0.40	0.44	0.49	0.95	1.02	0.70
0.74	0.69	0.72	0.69	0.53	0.36	0.40	0.53	0.62	0.71	0.80	0.74	0.67
0.90	0.99	1.14	0.95	0.81	0.92	0.68	0.51	0.53	0.65	0.60	0.78	0.84
0.67	0.82	0.67	0.85	0.72	0.64	0.88	0.82	0.85	0.60	0.67	0.46	0.69
0.51	0.51	0.66	0.80	0.73	0.90	1.14	0.84	0.79	0.65	0.63	0.81	0.62
0.80	0.99	0.83	0.82	0.87	0.77	0.61	0.60	0.42	0.51	1.06	1.19	0.73
0.97	0.93	0.97	1.05	0.84	0.72	0.59	0.63	0.47	0.41	0.58	0.64	0.83
0.43	0.78	0.56	0.67	1.01	1.01	0.92	1.11	1.29	1.34	1.14	1.29	0.94
0.89	0.91	0.92	0.85	0.88	0.74	0.67	0.55	0.58	0.55	0.46	0.47	0.78
0.73	0.58	0.53	0.53	0.51	0.69	0.65	0.51	0.56	0.51	0.51	0.47	0.60
0.56	0.42	0.51	0.59	0.65	0.81	0.61	0.37	0.41	0.46	0.28	0.45	0.50
0.87	1.13	1.18	1.01	0.96	0.87	0.74	0.51	0.55	0.85	-	-	0.85
1.05	1.10	1.00	1.25	1.03	0.72	0.68	0.72	0.77	1.07	1.09	1.22	0.97
0.74	1.11	1.13	1.02	1.04	0.74	0.89	1.06	1.01	0.66	0.44	0.46	0.84
0.66	1.13	0.98	0.78	0.83	0.84	0.84	0.77	0.42	0.49	0.53	0.45	0.75
1.09	1.07	0.95	1.00	0.90	1.00	0.76	0.60	0.65	0.59	0.65	0.75	0.85
0.63	0.63	0.63	0.67	0.71	0.81	0.88	0.81	0.60	0.81	0.93	1.15	0.76
1.18	1.05	0.68	0.92	0.88	0.47	0.55	0.42	0.29	0.34	0.36	0.49	0.88
0.72	0.80	0.74	0.89	0.91	1.04	0.86	1.07	0.72	0.85	0.68	0.73	0.83
1.15	0.97	0.85	0.92	1.05	1.10	0.79	0.68	0.85	0.98	0.49	0.46	0.88
0.77	0.68	0.62	0.75	0.34	0.38	1.07	0.84	0.58	0.31	0.43	0.41	0.77
0.51	0.55	0.72	0.69	0.91	0.71	0.52	0.38	0.23	0.53	0.35	1.29	0.52
0.79	0.83	0.81	0.82	0.79	0.76	0.74	0.69	0.70	0.70	0.72	0.85	0.80

IONES LIVIANOS POSITIVOS "n^+" por cm^3

Día \ Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	434	434	521	608	527	527	521	1195	1035	868	707	707
2	86	86	86	86	86	86	174	173	347	347	434	434
3	86	86	86	86	86	174	260	217	347	347	347	868
4	527	614	521	602	699	652	347	391	434	304	521	217
5	1394	868	955	707	825	869	782	707	825	745	995	1075
6	995	955	1035	1075	1035	955	955	992	1195	1474	1115	1235
7	1235	1031	911	1075	1194	1115	1275	1835	1634	1515	1275	1075
8	521	434	434	521	434	434	608	868	1115	995	1115	825
9	738	347	521	571	434	695	608	565	614	521	434	391
10	912	955	1035	912	825	825	912	434	608	347	434	376
11	782	782	782	825	955	745	304	521	608	521	570	608
12	521	527	927	868	975	434	440	658	831	390	694	1314
13	707	658	658	521	477	434	347	738	925	951	782	782
14	347	390	434	434	477	521	658	608	744	434	608	434
15	564	521	608	608	347	347	434	744	652	868	868	782
16	608	869	831	614	484	521	434	868	1075	1105	1035	1035
17	782	995	955	745	390	657	570	440	744	-	-	-
18	-	-	-	-	-	-	-	1435	1354	1275	1115	1275
19	477	691	521	434	521	608	909	1035	1035	1155	1315	1115
20	347	390	347	260	260	434	707	951	608	477	521	434
21	434	347	521	658	868	1035	909	1195	1275	1234	1155	825
22	707	658	478	434	564	911	1314	1075	1035	1075	995	951
23	608	521	614	434	564	521	524	1075	868	782	782	564
24	347	782	744	787	570	434	477	434	434	825	1035	651
25	347	434	434	478	347	260	614	744	1195	1475	1235	1155
26	707	608	521	521	434	565	952	1275	1075	837	1194	868
27	707	748	868	911	825	782	782	1115	1194	695	1234	911
28	608	744	825	782	608	565	837	991	995	1115	955	951
29	434	217	434	434	521	477	614	1115	1275	1194	868	744
30	260	564	217	217	521	607	821	1194	1395	1035	868	744
31	521	521	434	434	260	391	477	477	782	608	434	434
Promedio	591	592	609	588	573	586	652	841	911	850	855	793

IONES LIVIANOS NEGATIVOS "n^-" por cm^3

Día \ Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	226	312	312	376	150	344	188	213	1188	640	638	676
2	75	75	75	75	75	75	75	113	269	312	376	376
3	75	75	75	75	75	75	150	150	226	312	269	226
4	682	344	382	564	457	382	451	150	75	75	75	150
5	902	602	639	451	451	457	451	451	601	601	902	979
6	738	782	955	1035	895	602	639	677	963	1254	976	1014
7	976	715	564	902	976	828	905	1560	1390	1320	1120	867
8	226	75	226	150	150	269	376	639	976	905	1014	752
9	414	451	376	451	526	376	401	312	339	113	150	231
10	602	564	564	376	376	414	602	301	563	231	312	376
11	601	602	602	602	752	602	526	451	301	494	526	301
12	376	150	678	1486	1291	1115	644	231	75	113	413	1154
13	376	344	269	150	113	113	451	676	785	526	564	526
14	150	113	150	188	150	226	269	414	231	376	312	226
15	226	226	226	150	150	231	451	451	526	639	676	602
16	326	712	828	715	301	312	381	905	978	940	828	828
17	451	564	376	526	376	419	489	301	150	231	338	714
18	414	537	451	347	451	677	1254	1185	1113	1014	1086	905
19	188	150	150	150	150	526	1035	955	1115	1275	1075	955
20	150	150	226	150	150	226	339	602	451	344	376	376
21	219	226	150	344	451	639	753	1151	1250	1120	941	714
22	226	188	150	150	188	532	1120	905	867	828	752	828
23	376	344	339	226	347	516	516	902	828	752	676	526
24	344	676	526	414	381	226	150	150	231	526	677	451
25	150	113	226	226	226	150	260	381	932	1492	1255	1048
26	150	188	150	150	188	231	714	978	940	1014	1086	752
27	451	526	782	677	639	602	677	976	1185	752	1320	902
28	226	382	301	226	150	188	150	494	714	752	676	639
29	150	226	150	188	150	226	457	864	1154	1086	1188	978
30	226	344	188	150	344	677	1047	1390	1492	1188	976	639
31	150	150	188	188	150	188	75	00	226	226	226	188
Promedio	350	352	364	382	362	401	516	611	714	692	703	660

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
782	955	868	868	707	707	565	434	521	608	707	86	666
347	347	260	217	217	174	174	174	174	86	174	174	206
825	782	782	782	614	304	260	314	434	347	521	521	395
434	434	390	347	304	174	217	354	1138	605	995	1015	510
1155	1075	952	1075	868	868	912	1035	955	868	1035	1035	941
1194	1195	1115	1035	1035	995	1035	1115	1115	1035	1115	1115	1088
955	707	782	782	744	788	871	707	652	707	521	477	994
608	875	614	521	695	707	521	347	434	658	434	658	641
565	434	658	1115	1195	952	521	745	658	745	569	434	626
478	347	347	521	597	434	347	347	347	376	658	658	585
695	658	608	608	521	390	434	434	521	564	521	434	600
1155	1155	1195	1115	782	938	707	521	608	608	608	744	780
608	608	564	955	868	521	564	707	658	521	434	390	641
347	390	434	434	477	477	707	521	564	521	521	521	500
782	838	868	868	707	608	434	434	260	304	651	782	620
955	868	825	911	825	658	521	390	434	434	434	608	723
-	-	-	-	-	-	-	-	-	-	-	-	698
1194	1155	1035	995	995	782	744	521	434	434	434	434	918
955	825	478	434	390	658	695	478	390	434	304	260	672
434	521	565	744	707	521	347	390	434	434	434	347	484
1115	995	992	909	707	608	521	521	608	521	608	608	799
1075	1035	1045	831	521	477	434	434	614	658	608	658	774
744	1115	868	911	707	707	614	477	744	564	347	434	670
483	347	868	825	911	782	782	565	478	434	434	434	619
1194	782	868	390	744	744	825	658	521	434	521	521	705
782	782	658	478	390	707	825	658	608	614	614	868	731
778	695	831	738	1115	707	608	385	347	303	303	207	741
868	744	738	911	744	707	570	521	614	434	477	390	737
390	260	521	651	657	782	738	347	347	304	174	347	577
707	831	564	707	782	608	822	955	608	707	608	521	703
434	434	434	434	521	521	347	390	347	390	347	434	450
768	740	724	737	702	634	589	529	552	522	537	537	667

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
828	905	905	752	601	312	269	344	376	231	75	75	456
226	226	188	150	150	75	75	75	75	75	75	75	143
639	676	602	602	382	226	150	312	312	150	339	923	321
150	150	226	188	75	150	150	188	1052	1001	570	1071	365
955	707	831	868	707	695	825	868	782	695	868	955	718
976	979	976	905	867	828	752	828	828	676	940	905	875
752	564	564	564	489	376	269	100	188	226	226	150	691
489	752	526	376	489	451	376	226	226	376	414	376	451
344	312	640	1136	976	1120	714	344	414	451	231	231	460
376	226	226	226	312	312	226	226	226	312	451	526	372
564	451	376	376	312	226	226	226	312	312	344	312	433
905	866	902	905	564	344	231	226	226	226	226	644	583
639	601	602	414	312	376	376	263	150	188	226	226	386
301	312	226	312	150	269	188	113	188	150	150	150	221
639	676	676	489	269	188	188	113	150	570	451	451	392
677	526	451	401	344	226	226	226	113	150	150	376	497
226	188	226	602	451	419	640	602	602	527	526	564	438
902	828	752	676	526	339	226	150	150	150	150	150	601
745	376	269	226	451	301	226	231	188	150	188	150	468
376	312	312	488	413	269	150	188	150	150	150	75	274
940	714	627	451	312	226	150	150	226	150	226	226	515
752	676	676	526	269	226	75	113	263	376	419	489	483
601	905	752	752	602	380	150	338	489	382	226	312	510
414	866	715	489	602	451	269	150	188	188	188	188	394
1086	1052	752	639	602	451	376	231	188	150	150	188	514
676	639	451	269	301	489	344	344	269	344	382	451	479
527	639	758	1039	564	188	226	226	301	188	188	231	607
676	526	526	602	489	301	188	226	489	269	226	150	399
715	451	344	381	451	438	269	226	344	451	150	150	466
451	808	923	883	226	193	489	226	344	226	188	150	574
188	226	226	150	188	226	150	150	75	75	75	75	157
604	585	556	543	434	357	296	265	319	308	296	355	459

IONES PESADOS POSITIVOS "N+" por cm³

HORAS / DÍAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	12590	7180	4490	3585	3585	5380	7180	7180	3585	3585	4490	4490
2	1795	1795	2690	2690	1795	1795	3585	3585	5380	1795	3585	3585
3	1795	1795	1795	1795	1795	2690	-	3585	3585	3585	6295	6295
4	8060	3585	10770	2690	8950	4490	7180	17950	18870	13430	20350	8950
5	898	898	898	1795	898	898	1795	1795	898	2690	1795	1795
6	898	898	898	898	898	898	898	898	898	2690	4490	2690
7	898	898	1795	898	898	898	1795	1795	2690	1795	4490	4490
8	8950	8950	8950	7180	6295	8950	13430	6295	5380	5380	4490	4490
9	3585	3585	4490	4490	5380	1795	4490	4490	12590	13430	9860	4490
10	898	898	1795	1795	1795	2690	3585	8060	7180	10770	8950	8950
11	2690	2690	3585	2690	1795	2690	4490	5380	5380	10770	9860	6295
12	1795	1795	2690	2690	2690	1795	2690	7180	5380	8950	3585	3585
13	4490	4490	5380	5380	6295	6295	8950	8060	4490	3585	6295	8060
14	-	-	-	-	4490	16130	12590	8060	7180	8060	9860	10770
15	4490	6295	5380	12590	8950	10770	11690	5380	7180	7180	6295	4490
16	3585	2690	898	1795	1795	2690	7180	5380	3585	1795	1795	2690
17	5380	3585	1795	3585	3585	2690	3585	1795	3585	8950	7180	6295
18	898	898	898	1795	898	1795	898	1795	2690	3585	4490	4490
19	6295	4490	4490	5380	4490	4490	7180	5380	4490	4490	4490	4490
20	14350	11690	11690	13430	20700	16130	15250	6295	5380	5380	7180	8060
21	8950	11690	11690	6295	4490	2690	3585	2690	2690	2690	3585	3585
22	4490	3585	3585	7180	8060	7180	5380	10770	12590	8950	7180	7180
23	1795	1795	3585	2690	4490	4490	4490	8950	10770	12590	10770	6295
24	8060	898	1795	2690	3585	4490	8060	9860	8060	5380	3585	3585
25	9860	11690	10770	14350	18870	11690	8060	4490	2690	3585	4490	5380
26	6295	7180	8060	8060	9860	7180	4490	4490	7180	8060	7180	9860
27	5380	3585	1795	3585	3585	3585	3585	2690	2690	5380	1795	3585
28	5380	3585	2690	3585	4490	6295	4490	7180	7180	5380	8060	6295
29	11690	8950	8950	9860	8950	10770	13430	3585	5380	3585	1795	898
30	14350	6295	7180	13430	5380	5380	3585	2690	3585	1795	7180	7180
31	6295	5380	8060	7180	5380	14350	17950	7180	4490	6295	8060	8950
Promedio	5563	4458	4784	5202	5326	5615	6518	5642	5732	5987	6242	5556

IONES PESADOS NEGATIVOS "N+" por cm³

HORAS / DÍAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	11690	4490	4490	4490	6295	7180	5380	8950	1795	7180	4490	5380
2	3585	3585	4490	2690	898	1795	3585	898	3585	898	5380	1795
3	3585	2690	898	1795	3585	2690	2690	7180	3585	1795	3585	5380
4	3585	8060	4490	4490	5380	5380	-	18870	21520	20350	17950	7180
5	4490	1795	1795	1795	1795	1795	4490	3585	898	4490	4490	898
6	1795	1795	898	1795	1795	1795	898	898	2690	3585	5380	898
7	898	898	898	1795	1795	898	898	2690	6295	5380	5380	6295
8	9860	8060	8950	8060	6295	11690	13430	5380	8950	8950	6295	3585
9	3585	4490	7180	6295	5380	2690	9860	7180	17950	11690	6295	898
10	2690	1795	3585	1795	4490	4490	10770	9860	8950	12590	13430	11690
11	3585	3585	2690	2690	2690	4490	7180	5380	7180	14350	6295	12590
12	4490	10770	5380	4490	3585	3585	4490	8950	11690	8950	3585	1795
13	7180	6295	9860	11690	13430	8060	-	11690	-	-	-	4490
14	-	-	-	-	5380	16130	11690	12590	9860	3585	20350	20350
15	9860	4490	1795	18870	18870	13430	20350	7180	13430	-	7180	9860
16	6295	3585	4490	2690	5380	8950	12590	4490	3585	9860	5380	-
17	5380	4490	6295	7180	6295	3585	7180	10770	11690	7180	6295	9860
18	3585	898	1795	4490	1795	4490	5380	7180	6295	8060	4490	2690
19	7180	5380	4490	8060	5380	5380	5380	6295	5380	4490	6295	7180
20	14350	12590	13430	15250	20700	17050	9860	5380	5380	5380	7180	9860
21	9860	14350	15250	8060	3585	4490	2690	2690	898	2690	5380	5380
22	7180	3585	5380	8950	14350	10770	4490	13430	14350	9860	7180	8060
23	3585	5380	5380	6295	5392	6280	6737	13430	16130	13430	10770	12590
24	11690	3585	4490	6295	9860	10770	13430	10770	14350	9860	10770	9860
25	14350	17050	20350	21520	20350	11690	8060	5380	4490	5380	8950	6295
26	9860	8950	10770	14350	12590	8950	7180	5380	9860	7180	9860	11690
27	8060	5380	5380	3585	4490	7180	7180	3585	3585	11690	5380	7180
28	5380	6295	7180	4490	8060	8950	7180	10770	7180	10770	12590	7180
29	15250	13430	8950	17050	9860	13430	7180	5380	8060	8950	2690	5380
30	15250	10770	15250	16130	7180	7180	7180	5380	5380	8950	15250	14350
31	8060	8060	13430	8950	11690	20700	15250	10770	8060	8950	13430	15250
Promedio	7206	6219	6657	7536	7375	7611	7678	7554	8102	8154	8066	7530

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
4490	4490	4490	5380	7180	8060	8950	7180	3585	4490	3585	1795	5831
3585	4490	3585	4490	4490	5380	7180	4490	3585	1795	2690	1795	3401
6295	7180	4490	6295	7180	12250	17050	14350	4490	5380	5380	8950	5970
2690	4490	3585	4490	7180	14350	14350	7180	20700	898	1795	9860	9035
1795	1795	1795	2690	2690	2690	1795	1795	898	1795	1795	898	1645
1795	2690	2690	1795	4490	1795	1795	2690	1795	1795	1795	898	1832
4490	5380	4490	5380	7180	4490	5380	12590	7180	8060	4690	10770	4309
4490	3585	3585	3585	3585	3585	5380	5380	6295	3585	4490	4490	5866
4490	3585	3585	4490	6295	3585	4490	4490	4490	4490	4490	7180	5347
9860	13430	13430	12590	11690	12590	15250	12590	8950	7180	5380	3585	7662
4490	4490	4490	5380	5380	8950	8950	5380	4490	4490	3585	2690	5045
4490	4490	4490	2690	4490	4490	5380	8060	8950	-	-	6295	4484
8060	7180	7180	3585	4490	6295	3585	4490	3585	5380	7180	-	5773
10770	10770	10770	6295	7180	4490	3585	1795	5380	6295	8950	11690	8256
6295	3585	4490	3585	2690	2690	6295	12590	12590	9860	5380	3585	6847
1795	898	6295	1795	1795	5380	4490	12590	8950	7180	8950	5380	4224
7180	3585	7180	5380	2690	1795	1795	2690	898	898	1795	1795	3737
2690	1795	2690	2690	2690	3585	3585	6295	5380	7180	8950	10770	3476
5380	7180	12590	12590	8950	5380	6295	8950	10770	10770	10770	15250	7293
9860	11690	11690	8950	6295	6295	7180	16130	13430	8950	9860	9860	10655
5380	3585	2690	2690	1795	8950	7180	7180	8060	6295	5380	5380	5383
3585	4490	3585	3585	3585	4490	5380	7180	8060	5380	5380	3585	6017
7180	1795	1795	1795	1795	4490	4490	7180	898	3585	8950	7180	5160
4490	2690	1795	2690	4490	3585	3585	4490	8060	8060	8950	8950	5078
5380	2690	4490	4490	5380	3585	5380	5380	8950	8060	7180	7180	7253
9860	8060	7180	5380	5380	5380	5380	5380	7180	4490	5380	3585	6689
3585	1795	1795	1795	10770	8950	5380	11690	21520	17950	17950	15250	6653
6295	7180	6295	3585	4490	2690	4490	4490	16130	16130	12590	13430	6767
1795	2690	1795	3585	2690	3585	4490	8060	4490	2690	9860	14350	6163
6295	5380	5380	10770	5380	3585	1795	2690	1795	3585	3585	5380	5569
12590	4490	8950	7180	5380	6295	8950	10770	8060	9860	7180	7180	8186
5530	4891	5269	4893	5153	5700	6105	7297	7406	6218	6463	6966	5772

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
6295	4490	5380	6295	8950	10770	8950	6295	4490	3585	2690	1795	5908
5380	3585	4490	2690	3585	3585	7180	2690	3585	1795	1795	898	3102
7180	8950	3585	4490	9860	16130	17950	8950	4490	6295	6295	5380	5792
2690	3585	4490	8950	12590	20350	12590	8950	4490	1795	4490	3585	8948
3585	2690	3585	3585	2690	5380	3585	2690	1795	2690	898	2690	2916
2690	898	898	5380	5380	3585	1795	3585	2690	1795	3585	898	2392
6295	6295	5380	6295	4490	6295	6295	8060	10770	10770	11690	10770	5314
6295	5380	4490	6295	3585	4490	5380	6295	7180	4490	4490	4490	6765
22400	8060	3585	5380	9860	4490	8950	7180	5380	4490	9860	7180	7513
13430	13430	15250	10770	14350	12590	15250	12590	10770	4490	5380	4490	9122
7180	8060	6295	6295	7180	8950	10770	8060	4490	6295	1795	4490	6357
6295	8060	3585	4490	9860	9860	11690	11690	11690	-	-	9860	7220
-	9860	6295	11690	6295	18870	10770	8950	7180	11690	-	-	9664
16130	13430	6295	14350	8950	5380	7180	16130	8060	17950	17950	8950	12034
12590	7180	6295	7180	4490	9860	12590	14350	15250	8950	4490	7180	10249
3585	3585	2690	5380	5380	6295	9860	14350	9860	8060	9860	9860	6785
10770	7180	5380	5380	2690	-	3585	5380	898	1795	1795	2690	5815
4490	4490	1795	3585	3585	2690	3585	7180	7180	7180	12590	12590	5087
7180	6295	15250	10770	10770	8950	8950	12550	13430	15250	14350	16130	8784
12590	10770	11690	11690	7180	6295	13430	15250	8950	9860	11690	8060	10994
8950	3585	2690	2690	5380	7180	7180	10770	11690	5380	5380	5380	6316
7180	5380	5380	5380	7180	7180	11690	14350	8950	4490	5380	3585	8071
12590	7180	3585	7180	4490	9860	15250	11690	8950	13430	9860	10770	9176
5380	7180	6295	5380	5380	7180	8950	11690	13430	14350	12590	13430	9457
5380	7180	7180	8060	7180	6295	5380	9860	8950	8950	8950	8950	9841
9860	10770	7180	9860	8060	6295	7180	8950	7180	4490	5380	5380	8634
5380	4490	6295	9860	11690	7180	12590	15250	21520	20350	21520	16130	9372
11690	10770	4490	8060	5380	7180	7180	6295	17950	20350	15250	17050	9486
2690	5380	4490	3585	6295	7180	11690	10770	4490	8950	13430	16130	8779
8950	14350	8950	8060	5380	7180	4490	8060	7180	8060	6295	8060	9303
15250	17950	12590	9860	9860	17050	11690	15250	20350	11690	13430	8060	12734
8345	7435	5994	8030	7032	8486	9148	9811	8815	8324	8385	7830	7805

COMPONENTE NORTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	13.6	18.1	19.7	18.1	18.1	-	-	12.1	-	-	-	-	-
2	16.6	22.7	16.6	16.6	18.1	16.6	7.8	9.1	9.1	16.6	18.1	18.1	18.1
3	13.6	15.1	18.1	18.1	16.6	13.6	10.6	6.0	12.1	13.6	16.6	-	-
4	15.1	18.1	19.7	22.7	16.6	13.6	12.1	15.1	15.1	21.2	13.6	19.7	19.7
5	- 9.5	- 9.5	- 8.0	- 8.0	- 9.5	-14.3	-15.9	-17.5	-19.1	- 9.5	- 8.0	- 1.6	- 4.7
6	- 8.0	-15.9	-11.1	- 9.5	-14.3	-19.1	-22.3	-22.3	-20.7	- 9.5	-12.7	- 6.4	- 3.2
7	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-17.5	- 8.0	-1,	-11.1	-12.7	-19.1	-12.7	-15.9	-17.5	-11.1	-19.1	-11.1	-15.9
9	- 6.4	- 8.0	- 6.4	-11.1	-17.5	-12.7	-17.5	-11.1	- 8.0	- 8.0	- 8.0	- 6.4	- 4.7
10	6.0	6.0	4.5	4.5	6.0	12.1	15.1	12.1	6.0	- 3.2	- 1.6	6.0	- 1.6
11	- 1.6	- 1.6	1.5	1.5	- 6.4	- 9.5	-12.7	-11.1	- 1.6	3.0	3.0	6.0	1.5
12	- 3.2	- 1.6	1.5	7.6	- 4.7	- 4.7	- 3.2	-14.3	- 4.7	9.1	4.5	3.0	1.5
13	1.5	1.5	4.5	6.0	3.0	- 8.0	-15.9	- 8.0	- 3.2	3.0	6.0	12.1	6.0
14	3.0	4.5	9.1	9.1	3.0	4.5	- 1.6	- 4.7	- 4.7	3.0	4.5	4.5	6.0
15	1.5	6.0	7.6	9.1	4.5	- 1.6	- 4.7	- 1.6	6.0	9.1	4.5	6.0	6.0
16	1.5	3.0	3.0	7.6	9.1	4.5	1.5	3.0	9.1	10.6	13.6	16.6	9.1
17	12.1	6.0	3.0	15.1	9.1	7.6	1.5	- 3.2	- 3.2	1.5	13.6	- 3.2	3.0
18	-	-	-	-	-	-	-	-	4.5	6.0	13.6	12.1	13.6
19	4.5	9.1	7.6	10.6	4.5	1.5	- 1.6	- 3.2	6.0	16.6	12.1	13.6	15.1
20	12.1	-	-	-	-	-	-	1.5	6.0	13.6	19.7	16.6	13.6
21	6.0	9.1	10.6	9.1	6.0	4.5	- 3.2	1.5	3.0	12.1	12.1	13.6	13.6
22	4.5	16.6	7.6	12.1	7.6	3.0	- 1.6	1.5	9.1	12.1	15.1	12.1	10.6
23	-	-	-	-	-	-	-	- 4.7	7.6	9.1	10.6	15.1	12.1
24	12.1	15.1	13.6	15.1	9.1	3.0	- 1.6	1.5	7.6	13.6	16.6	18.1	21.2
25	9.1	7.6	13.6	13.6	7.6	6.0	3.0	1.5	6.0	13.6	10.0	15.1	16.6
26	3.0	4.5	4.5	10.6	6.0	3.0	3.0	1.5	1.5	13.6	12.1	13.6	10.6
27	7.6	10.6	12.1	13.6	10.6	3.0	3.0	-	-	-	12.1	19.7	19.7
28	9.1	13.6	12.1	15.1	10.6	7.6	3.0	3.0	16.6	22.7	16.6	10.6	- 8.0
29	6.0	15.1	13.6	15.1	10.6	3.0	3.0	7.6	6.0	7.6	13.6	16.6	19.7
30	18.1	12.1	18.1	15.1	9.1	3.0	1.5	3.0	12.1	18.1	21.2	24.2	22.7
31	24.2	19.7	16.6	16.6	12.1	10.6	4.5	6.0	10.6	13.6	18.1	21.2	19.7
Prom	5.5	7.0	7.3	9.0	4.9	1.2	- 1.7	- 1.1	2.5	7.9	8.7	10.2	8.6
Var.	1.7	3.2	3.5	5.2	1.1	- 2.6	- 5.5	- 4.9	- 1.3	4.1	4.9	5.4	4.8

COMPONENTE ESTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	5.7	12.8	11.4	10.0	1.4	-	-	4.3	-	-	-	-	-
2	17.1	7.0	18.1	14.2	8.6	- 5.7	5.7	10.0	10.0	11.4	7.1	7.1	2.8
3	15.7	17.1	14.2	15.7	7.1	5.7	7.1	11.4	15.7	8.6	7.1	-	-
4	14.2	17.1	17.1	18.5	11.4	4.3	7.1	12.8	12.8	14.2	8.6	4.3	5.7
5	4.3	8.6	7.1	5.7	- 1.4	-14.2	- 5.7	- 2.8	- 2.8	1.4	- 2.8	- 5.7	- 5.7
6	5.7	8.5	2.8	2.8	- 8.5	-15.6	-12.8	- 5.7	- 7.1	- 7.1	-17.0	- 9.9	- 7.1
7	-	-	-	-	-	-	-	-	-	-	-	-	-
8	- 8.5	4.3	2.8	4.3	- 2.8	- 8.5	- 8.5	- 2.8	1.4	1.4	- 4.3	- 4.3	- 1.4
9	2.8	7.1	7.1	8.6	- 1.4	- 4.3	- 2.8	- 9.9	-14.2	5.7	- 2.8	1.4	1.4
10	11.4	15.7	11.4	12.8	5.7	- 2.8	1.4	7.1	7.1	5.7	4.3	2.8	1.4
11	7.1	12.1	18.5	17.1	10.0	2.8	1.4	7.1	7.1	5.7	- 1.4	4.3	1.4
12	12.8	15.7	15.7	4.3	2.8	2.8	5.7	10.0	14.2	11.4	1.4	5.7	4.3
13	8.6	11.4	7.1	8.6	- 2.8	- 4.3	1.4	7.1	4.3	5.7	- 2.8	2.8	5.7
14	7.1	14.2	14.2	14.2	10.0	7.1	5.7	2.8	1.4	4.7	2.8	2.8	5.7
15	2.8	15.7	14.2	14.2	5.7	4.3	4.3	11.4	12.8	10.0	5.7	11.4	10.0
16	15.7	18.5	14.2	11.4	2.8	4.3	7.1	10.0	8.6	8.6	5.7	7.1	8.6
17	11.4	17.1	17.1	15.7	14.2	11.4	11.4	8.6	10.0	1.4	7.1	4.3	5.7
18	12.8	22.8	20.0	15.7	11.4	11.4	10.0	11.4	2.8	4.5	4.5	7.1	4.3
19	14.2	21.4	20.0	15.7	8.6	2.8	2.8	4.3	4.3	8.6	2.8	5.7	2.8
20	17.1	-	-	-	-	-	-	4.3	5.7	5.7	4.3	7.1	10.0
21	12.8	15.7	12.8	14.2	12.8	11.4	10.0	12.8	5.7	4.3	7.1	7.1	5.7
22	8.6	20.0	20.0	17.1	8.6	2.8	5.7	11.4	12.8	8.6	5.7	11.4	12.8
23	-	-	-	-	-	-	-	10.0	15.7	11.4	10.0	12.8	15.7
24	21.4	24.2	20.0	20.0	8.6	8.6	8.6	12.8	15.7	11.4	12.8	12.8	12.8
25	20.0	21.4	17.1	15.7	7.1	5.7	5.7	10.0	14.2	14.2	8.6	10.0	10.0
26	18.5	21.4	15.7	18.5	2.8	2.8	2.8	10.0	10.0	10.0	8.6	14.2	11.4
27	18.5	20.0	17.1	15.7	11.4	8.6	8.6	-	-	-	5.7	11.4	14.2
28	8.6	14.2	12.8	14.2	12.8	12.8	8.6	5.7	1.4	1.4	4.3	8.6	14.2
29	5.7	15.7	14.2	14.2	11.4	5.7	8.6	7.1	4.3	1.4	4.3	7.1	8.6
30	20.0	22.8	17.1	17.1	5.7	2.8	5.7	14.2	10.0	7.1	10.0	11.4	12.8
31	18.5	21.4	18.5	15.7	5.7	2.8	4.3	10.0	8.6	4.3	8.6	10.0	10.0
Prom	11.4	15.8	14.2	13.3	6.1	2.4	4.1	7.1	6.9	6.5	4.0	6.1	6.6
Var.	3.6	8.0	6.4	5.5	- 1.7	- 5.4	- 3.7	- 0.7	- 0.9	- 1.3	- 3.8	- 1.7	- 1.2

LINEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
-	-	-	13.6	15.1	15.1	18.1	19.7	4.5	16.6	13.6	15.4	2
18.1	15.1	10.6	9.1	9.1	13.6	12.1	16.6	12.1	18.1	13.6	14.7	1
-	4.5	9.1	6.0	13.6	13.6	13.6	13.6	12.1	16.6	12.1	12.8	2
21.2	12.1	12.1	-	12.1	15.1	13.6	-	-11.1	-12.7	-16.6	12.2	2
- 3.2	-17.5	-14.3	-20.7	-15.9	-19.1	-12.7	-14.3	-14.3	- 9.5	- 9.5	-11.9	1
-12.7	-	-	-	-	-	-	-	-	-	-	-13.4	2
-	-	-	-	-	-	-	-	- 5.7	7.1	4.3	1.9	2
-17.5	-15.9	-17.5	-19.1	-19.1	-22.3	-20.7	-15.9	-15.9	-11.1	-12.7	-15.6	2
- 6.4	- 9.5	- 9.5	-11.1	-25.4	-12.7	- 8.0	- 8.0	- 6.4	- 4.7	- 8.0	- 9.8	2
-22.3	- 6.4	- 8.0	-14.3	-19.1	- 8.0	- 4.7	- 4.7	- 9.5	- 4.7	- 4.7	- 1.4	1
-11.1	- 8.0	- 6.4	- 6.4	- 8.0	- 6.4	- 6.4	- 6.4	- 6.4	- 3.2	- 4.7	- 4.2	1
- 4.7	-12.7	- 9.5	- 8.0	- 6.4	- 6.4	- 8.9	- 4.7	- 3.2	7.6	- 3.2	- 2.9	2
3.0	- 6.4	- 6.4	- 9.5	- 8.0	-12.7	- 6.4	- 4.7	3.0	6.0	3.0	- 1.3	2
10.6	- 3.2	- 8.0	- 9.5	- 3.2	1.5	- 1.6	3.0	- 4.7	3.0	1.5	1.2	1
3.0	- 1.6	- 1.6	1.5	1.5	3.0	1.5	4.5	4.5	1.5	3.0	3.0	1
3.0	- 6.4	- 3.2	- 1.6	1.5	- 6.4	6.0	4.5	- 4.7	1.5	4.5	3.8	2
3.0	- 4.7	- 4.7	- 9.5	- 8.0	6.0	10.6	7.6	4.5	-	-	3.1	2
- 4.5	- 3.0	- 3.0	- 4.5	- 9.1	1.4	3.0	- 4.5	1.5	10.6	3.0	2.5	2
3.0	- 8.0	- 8.0	- 9.5	- 1.6	10.6	- 4.7	3.0	15.1	9.1	6.0	4.6	2
4.5	1.5	- 4.7	- 4.7	- 1.6	3.0	4.5	7.6	12.1	10.6	7.6	6.9	1
6.0	3.0	- 1.6	- 4.7	3.0	1.5	4.5	10.6	- 1.6	12.1	7.6	5.8	2
16.6	1.5	6.0	6.0	- 3.2	4.5	7.6	7.6	6.0	6.0	6.0	7.3	1
12.1	3.0	7.6	6.0	3.0	1.5	10.6	12.1	9.1	13.6	10.6	8.2	1
16.6	3.0	6.0	3.0	3.0	4.5	10.6	9.1	7.6	12.1	9.1	9.6	1
13.6	4.5	3.0	1.5	6.0	4.5	6.0	7.6	6.0	7.6	6.0	7.9	0
13.6	4.5	1.5	1.5	- 6.4	- 3.2	13.6	10.6	12.1	12.1	7.6	6.4	2
10.6	4.5	3.0	1.5	6.0	4.5	3.1	10.6	12.1	12.1	9.1	9.3	1
-17.5	-30.2	-23.8	-22.3	15.1	16.6	12.1	18.1	13.6	13.6	10.6	5.8	2
15.1	9.1	10.6	9.1	9.1	9.1	12.1	12.1	10.6	13.6	10.6	10.8	1
18.1	15.1	16.6	12.1	13.6	9.1	12.1	12.1	10.6	13.6	13.6	13.5	1
13.6	9.1	6.0	7.6	7.6	7.6	10.6	12.1	10.6	12.1	10.6	12.5	1
3.8	- 1.5	- 1.4	- 2.7	- 0.5	1.7	4.1	5.0	2.8	6.6	3.9	3.8	
0.0	- 5.3	- 5.2	- 6.5	- 4.3	- 2.1	0.3	1.2	- 1.0	2.8	0.1		

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
-	-	-	2.8	- 1.4	4.3	10.0	12.8	10.0	17.1	11.4	8.0	2
7.1	7.1	5.7	2.8	4.3	7.1	- 1.4	8.6	14.2	20.0	12.8	8.4	2
-	5.7	12.8	11.4	8.6	5.7	7.1	10.0	8.6	15.7	12.8	10.7	2
10.0	4.3	11.4	-	4.3	5.7	7.1	-	-12.8	11.4	7.1	8.9	2
- 4.3	- 8.6	- 1.4	- 2.8	- 2.8	- 9.9	- 2.8	- 2.8	- 2.8	4.3	2.8	- 1.9	2
-18.5	-	-	-	-	-	-	-	-	-	-	- 6.4	2
-	-	-	-	-	-	-	-	-20.7	-25.4	-20.7	-22.3	2
1.4	- 4.3	- 1.4	- 1.4	- 1.4	- 2.8	- 2.8	- 1.4	1.4	7.1	4.3	- 1.2	2
2.8	- 1.4	2.8	1.4	1.4	- 1.4	- 1.4	- 1.4	7.1	10.0	8.6	1.1	2
7.1	2.8	5.7	4.3	2.8	2.8	4.3	5.7	8.6	11.4	8.6	6.2	0
1.4	2.8	2.8	2.8	- 7.1	- 9.9	- 2.8	1.4	5.7	11.4	11.4	4.7	2
5.7	2.8	2.8	2.8	1.4	2.8	- 1.4	2.8	1.4	14.2	10.0	6.3	2
4.3	4.3	7.1	2.8	2.8	5.7	4.3	5.7	7.1	10.0	5.7	4.7	1
2.8	5.7	7.1	7.1	8.6	2.8	2.8	5.7	2.8	14.2	11.4	6.8	2
10.0	7.1	10.0	11.4	5.7	5.7	5.7	10.0	11.4	14.2	11.4	9.4	1
12.8	8.6	14.2	10.0	5.7	5.7	7.1	8.6	8.6	2.8	1.4	8.7	1
5.7	4.3	11.4	7.1	5.7	8.6	7.1	8.6	12.8	20.0	17.1	10.2	2
5.7	5.7	8.6	1.4	- 2.8	1.4	4.3	7.1	10.0	17.1	17.1	8.9	2
10.0	4.3	10.0	5.7	4.3	4.3	7.1	7.1	8.6	15.7	14.2	8.5	1
8.6	5.7	10.0	5.7	7.1	4.3	4.3	7.1	10.0	15.7	11.4	8.5	1
4.3	8.6	10.0	7.1	11.4	7.1	7.1	11.4	7.1	12.8	11.4	9.6	1
11.4	8.6	11.4	12.8	11.4	8.6	10.0	12.8	14.2	17.1	12.8	11.5	1
15.7	12.8	15.7	15.7	12.8	11.4	12.8	15.7	15.7	20.0	20.0	10.2	0
10.0	5.7	12.8	10.0	10.0	8.6	11.4	12.8	14.2	17.1	17.1	18.8	1
15.7	15.7	15.7	12.8	11.4	10.0	11.4	12.8	15.7	20.0	15.7	13.2	1
14.2	11.4	8.6	12.8	7.1	5.7	8.6	8.6	10.0	14.2	14.2	10.9	1
12.8	11.4	5.7	5.7	5.7	2.8	8.6	8.6	12.8	15.7	10.0	11.0	1
14.2	15.7	11.4	4.3	2.8	1.4	2.8	5.7	4.3	15.7	11.4	8.7	1
10.0	10.0	12.8	15.7	8.6	7.1	11.4	11.4	15.7	18.5	14.2	10.2	2
11.4	8.6	15.7	14.2	10.0	2.8	11.4	10.0	12.8	21.4	20.0	12.3	1
10.0	11.4	10.0	11.4	10.0	7.1	10.0	10.0	12.8	15.7	14.2	10.9	2
7.2	6.3	8.9	7.1	5.1	4.0	5.7	7.7	7.6	13.2	10.7	7.8	
- 0.6	- 1.5	1.1	- 0.7	- 2.7	- 3.8	- 2.1	- 0.1	- 0.2	5.4	2.9		

PRESIÓN ATMOSFERICA

en mm. de Hg. al nivel del Observatorio: 700 mm.+ ...

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	70.1	69.8	69.6	69.6	69.6	69.7	69.9	69.8	70.0	70.3	70.3	70.2	70.6	69.0	68.1
2	66.7	66.2	66.1	65.9	66.1	66.2	66.3	66.1	64.9	63.8	63.3	63.3	63.1	62.3	62.3
3	62.1	62.0	61.8	61.7	61.8	61.9	62.0	61.6	61.4	61.2	60.7	60.7	60.0	65.8	58.5
4	57.2	58.0	56.8	56.4	55.6	57.0	57.0	57.8	57.7	57.0	57.1	56.7	56.3	55.7	54.8
5	49.9	49.8	49.5	49.1	49.1	49.2	49.4	49.3	49.4	49.6	49.7	49.8	49.9	49.5	49.6
6	48.7	48.5	48.5	48.5	48.7	49.2	49.6	50.1	52.9	53.0	53.3	53.9	54.2	52.3	52.5
7	57.4	57.5	57.4	58.2	58.4	59.0	59.1	60.0	60.1	60.2	60.2	59.9	59.3	59.1	59.1
8	60.1	60.0	60.0	59.9	59.9	60.2	60.1	60.0	60.2	60.3	59.6	59.5	58.4	57.7	56.2
9	55.8	55.6	55.3	54.9	55.3	57.4	57.5	57.7	57.4	56.9	56.9	56.9	56.5	57.2	58.1
10	62.9	62.7	62.7	62.7	62.9	63.7	63.8	64.0	64.3	64.3	63.9	63.3	63.2	62.2	61.9
11	59.5	59.1	58.6	58.1	58.3	58.5	58.5	58.4	58.8	57.5	57.3	55.9	54.4	53.4	52.6
12	48.1	48.0	50.1	49.6	50.2	51.3	51.2	51.7	50.5	51.6	51.6	51.5	51.5	51.8	52.8
13	56.8	57.0	56.8	56.6	57.0	57.7	58.0	58.7	59.1	59.2	59.0	58.7	58.2	57.7	57.5
14	59.9	59.4	58.2	58.7	58.6	58.8	59.5	59.6	59.6	59.5	59.4	58.9	58.2	57.6	57.5
15	59.2	59.1	59.0	58.9	59.1	59.3	59.2	59.1	59.1	59.0	58.7	58.4	57.9	57.5	57.4
16	58.8	59.4	59.2	58.8	58.6	58.7	58.6	58.4	58.1	57.9	57.5	57.0	56.4	55.8	54.9
17	55.2	55.1	55.1	55.1	55.4	55.6	56.5	56.6	56.5	56.9	57.2	57.5	56.3	55.5	55.7
18	64.2	64.1	64.3	64.9	65.8	66.9	66.9	67.8	68.0	68.3	68.2	68.3	68.2	67.8	67.8
19	70.6	70.6	70.4	70.5	70.8	70.7	70.7	70.5	70.4	69.9	69.4	69.1	68.6	68.0	67.7
20	67.9	67.4	67.0	67.0	67.0	67.2	67.2	67.5	67.4	66.8	66.7	66.4	60.7	65.0	64.3
21	63.3	63.0	62.6	62.7	62.7	62.8	62.8	62.2	62.1	61.8	61.7	61.5	61.3	60.5	59.6
22	59.9	59.5	59.5	59.6	59.7	59.8	59.9	59.5	59.3	58.8	58.3	57.5	57.2	56.4	55.7
23	55.7	55.2	55.1	55.2	55.7	56.0	56.3	56.4	56.4	56.4	55.9	55.7	54.8	54.3	53.1
24	55.0	54.2	54.4	54.2	55.6	55.5	54.6	55.3	55.1	55.1	55.0	55.1	55.1	53.4	53.1
25	54.7	54.7	54.6	54.7	55.4	56.3	56.9	57.4	57.8	59.0	59.2	60.0	60.0	60.0	60.0
26	62.7	62.6	62.4	62.5	62.5	62.5	62.5	62.6	62.3	61.6	61.0	60.2	59.3	58.6	58.2
27	55.4	54.6	54.3	54.1	54.0	54.2	54.4	54.4	54.7	54.6	55.0	55.7	56.7	56.7	57.1
28	57.4	57.8	58.5	58.6	59.0	59.9	60.4	60.7	60.8	60.8	60.8	60.9	60.8	60.4	60.2
29	62.2	61.4	61.5	61.7	62.2	62.3	62.4	62.4	62.5	62.1	61.8	61.5	61.1	60.6	59.6
30	58.3	58.2	58.0	58.1	58.1	58.3	58.4	58.2	58.1	57.9	57.7	57.6	57.6	59.2	58.4
31	59.3	59.7	59.9	60.1	60.2	60.6	61.1	61.3	61:0	61.1	60.5	60.1	59.8	59.1	58.6
Prom	59.2	59.0	59.0	58.9	59.1	59.6	59.7	59.8	59.9	59.8	59.6	59.4	58.9	58.5	58.2

TEMPERATURA DEL AIRE

a la sombra en grados C.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	3.0	3.6	3.7	3.3	3.2	3.1	4.4	7.6	9.1	10.3	11.1	12.0	12.2	12.3	12.9
2	7.3	6.5	6.0	5.5	5.0	4.7	6.2	8.2	8.9	10.2	11.4	12.7	13.8	15.1	15.0
3	11.6	10.8	10.3	10.3	10.2	10.1	10.0	11.6	12.1	13.4	14.4	15.5	16.7	17.9	18.0
4	14.1	14.1	13.8	13.7	13.7	13.7	13.7	14.1	14.2	14.9	16.0	16.2	16.3	16.6	16.5
5	13.7	13.7	13.5	13.2	13.0	12.0	11.6	11.2	11.3	11.9	11.8	11.8	12.2	14.1	14.0
6	10.7	10.4	10.7	10.7	10.7	10.8	10.9	12.8	14.2	16.2	16.4	16.6	17.5	17.4	17.8
7	6.4	5.8	5.4	6.0	6.7	6.7	7.2	9.1	10.0	11.7	13.0	14.8	15.8	16.0	16.8
8	4.9	4.8	4.8	4.7	4.1	4.2	9.0	13.8	16.0	18.2	20.1	21.1	22.1	22.8	22.8
9	15.0	13.9	14.0	15.1	15.4	14.6	14.6	15.6	16.5	19.1	20.4	22.3	23.1	20.2	17.2
10	8.2	7.3	6.5	5.6	5.3	5.2	6.8	10.2	12.6	13.6	14.0	13.9	14.2	14.5	14.3
11	11.1	11.1	11.2	11.6	12.1	12.4	13.2	13.8	13.6	12.8	13.6	15.1	17.0	18.0	20.0
12	19.7	20.0	20.1	16.2	15.9	15.3	15.3	16.0	16.4	19.2	20.3	22.0	22.1	22.2	21.2
13	11.4	11.2	10.6	9.7	8.6	8.8	13.2	15.4	17.3	17.3	17.8	19.7	20.5	20.5	19.6
14	8.0	7.2	6.9	6.1	5.2	6.5	12.0	16.8	18.1	19.0	19.8	20.7	20.8	21.8	22.0
15	10.6	10.4	9.5	9.5	8.4	8.2	14.2	17.3	19.3	20.8	22.7	23.0	23.2	23.9	23.4
16	14.4	14.3	13.4	13.1	12.9	12.9	17.9	19.0	19.1	21.3	22.5	23.2	23.8	24.4	24.7
17	15.6	15.4	15.2	15.1	15.5	14.8	15.1	15.2	16.7	17.9	17.5	17.4	16.7	19.6	20.2
18	5.5	5.1	4.9	4.3	4.3	4.9	6.6	9.0	10.2	11.1	11.9	12.3	13.0	13.2	12.8
19	3.6	3.0	2.1	1.1	0.6	0,3	5.8	8.8	9.9	11.2	12.1	12.7	13.1	13.7	12.8
20	3.3	2.3	1.8	1.8	2.3	2.3	7.4	10.0	11.7	13.3	13.0	13.7	14.4	14.8	15.0
21	8.7	7.3	7.0	7.0	6.8	8.1	9.9	13.8	15.5	17.2	18.5	18.5	19.4	20.5	19.7
22	11.2	10.5	9.8	9.2	8.7	8.7	13.1	18.0	21.1	23.6	25.4	26.9	27.7	27.8	28.2
23	14.8	15.0	15.1	13.9	13.0	13.0	18.2	20.6	23.5	25.5	27.0	27.9	28.3	28.4	28.0
24	15.7	15.7	15.7	15.6	15.7	15.5	16.5	19.8	20.8	21.8	20.9	20.3	19.2	19.4	20.0
25	10.4	9.8	9.0	8.7	8.6	11.0	16.2	17.6	18.2	19.8	19.2	18.9	20.2	20.6	21.2
26	6.1	5.7	4.9	5.9	7.2	9.4	13.1	15.4	18.1	20.8	22.4	24.0	24.6	25.2	25.1
27	12.4	12.4	12.3	12.2	12.2	12.2	15.0	19.8	21.8	24.4	25.2	23.1	20.7	20.0	16.9
28	10.3	10.0	9.9	9.6	8.3	8.7	12.6	17.0	19.0	20.2	21.6	22.7	23.5	23.8	24.2
29	9.0	8.9	8.9	8.1	8.4	9.1	14.3	18.2	21.1	23.1	23.4	24.5	25.3	26.0	27.0
30	15.3	15.3	15.0	15.1	14.6	16.1	19.1	22.0	25.0	26.9	28.2	27.7	26.5	18.8	17.6
31	12.9	13.6	13.0	12.6	12.5	13.6	14.1	21.0	23.1	24.1	24.6	25.7	27.1	27.2	27.5
Prom	10.5	10.2	9.8	9.5	9.3	9.6	12.2	14.8	16.3	17.8	18.6	19.3	19.7	19.9	19.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
67.9	67.7	67.4	67.2	67.1	67.1	67.0	70.4	66.9	70.6	13	66.9	24	3.7	769.0 mm.	1025.3 mb.
61.9	61.7	61.8	62.4	62.5	62.4	62.3	62.5	62.2	66.9	0	61.7	17	5.2	63.8	1018.4
58.4	57.7	57.1	56.9	57.0	57.0	56.5	57.0	57.4	62.2	0	56.5	22	5.7	59.6	1012.8
54.0	53.7	53.3	52.8	53.0	51.8	51.7	51.6	49.8	58.7	1-2	49.8	24	8.9	55.1	1006.8
49.8	49.9	50.0	50.0	50.1	50.1	49.8	49.1	49.0	50.1	20,21	49.0	24	1.1	49.6	999.4
53.0	53.7	54.4	55.4	56.1	56.6	56.8	57.3	57.3	57.3	23,24	48.2	3-4	9.1	52.7	1003.6
59.1	59.1	59.2	69.1	60.0	60.0	59.9	60.0	60.1	60.2	10,11	57.3	0	2.9	59.6	1012.8
56.1	56.0	56.2	56.8	56.8	56.7	56.8	56.8	56.6	60.3	10	56.0	17	4.3	58.4	1011.2
59.5	59.8	60.6	62.0	62.5	62.8	63.4	63.2	62.9	63.4	22	54.9	4	8.5	58.6	1011.4
61.7	61.6	61.2	60.8	61.0	60.9	60.6	60.0	60.0	64.4	9-10	60.0	23,24	4.4	62.4	1016.5
52.4	52.1	51.6	51.1	51.5	51.3	50.8	50.0	49.0	60.0	0	49.0	24	11.0	55.0	1006.6
53.4	54.1	54.8	55.7	55.2	56.8	57.8	57.7	57.0	57.8	22	47.1	2-3	10.7	52.7	1003.6
57.4	57.7	58.4	59.1	59.3	59.7	59.9	60.0	60.1	60.1	24	56.4	3-4	3.7	58.3	1011.0
57.4	57.6	58.1	58.3	58.5	59.1	59.4	59.5	59.3	60.1	0	57.4	15,16	2.7	58.8	1011.7
57.1	56.8	56.9	57.0	57.8	58.6	59.3	58.9	58.6	59.4	7-8	56.8	17	2.6	58.4	1011.2
54.7	54.7	54.8	54.8	54.8	55.0	55.1	55.1	55.3	59.4	2	54.7	16,17	4.7	56.8	1009.0
56.4	56.8	57.4	59.3	60.6	61.9	62.6	63.6	64.2	64.2	24	55.0	2-3	9.2	57.6	1010.1
68.2	68.5	69.0	69.2	69.8	70.2	70.3	70.5	70.7	70.7	24	64.1	2	6.6	67.8	1023.7
67.6	67.6	67.5	67.7	67.8	67.8	67.8	67.9	67.9	70.8	5	67.5	18	3.3	69.1	1025.4
64.2	64.2	64.2	63.9	64.0	64.2	63.7	63.7	63.4	67.9	0,1	63.4	24	4.5	65.5	1020.6
59.4	59.4	59.2	59.4	59.5	59.7	59.8	59.9	60.0	63.4	0	59.2	18	4.2	61.1	1014.8
55.3	55.2	55.2	55.5	55.6	55.7	55.7	55.8	55.8	60.0	0	55.2	17,18	4.8	57.5	1010.0
52.7	52.8	53.3	54.2	55.2	54.9	55.1	56.2	55.0	56.4	8,9,10	52.7	16	3.7	55.1	1006.8
52.9	52.4	53.3	53.5	54.4	55.0	54.7	54.4	54.2	55.6	5	52.4	17	3.2	54.4	1005.8
60.2	60.7	61.0	61.3	61.7	61.8	62.0	62.1	62.7	62.7	24	54.2	0	8.5	58.9	1011.8
57.7	57.4	57.2	57.3	57.4	57.5	57.3	56.9	56.3	62.7	0,1	56.3	24	6.4	59.8	1013.0
55.6	55.3	56.6	56.0	56.4	56.7	56.8	57.3	57.3	57.4	23-24	54.0	5	3.4	55.6	1007.4
60.1	60.4	60.4	60.7	61.3	61.3	61.5	62.0	62.1	62.1	24	57.3	0	4.8	60.3	1013.7
59.4	59.2	59.2	59.3	59.3	59.1	58.6	58.6	58.4	62.5	9	58.4	24	4.1	60.7	1014.2
58.1	57.3	57.1	58.2	58.8	59.5	59.5	59.3	59.2	59.5	21,22	57.1	18	2.4	58.3	1011.0
58.1	58.0	58.0	58.2	58.3	58.6	58.2	58.0	57.4	61.3	8	57.4	24	3.9	59.4	1012.5
58.1	58.0	58.2	58.8	58.8	59.0	59.1	59.2	58.9	61.6		56.3		5.3	59.0	1012.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
12.2	11.4	10.3	9.9	10.0	9.6	9.1	8.6	8.0	12.9	15	2.2	0	10.7	8.4
15.1	15.8	14.9	14.5	14.2	13.8	13.5	12.9	12.1	15.8	17	4.7	6	11.1	11.0
18.0	17.9	16.7	16.6	16.6	16.4	15.4	14.8	14.4	18.1	14-15	10.1	6	8.0	14.2
16.2	16.2	15.9	15.1	15.0	13.8	13.7	13.7	13.7	16.6	14	13.6	22-23	3.0	14.8
14.1	14.1	14.1	13.8	13.8	13.1	13.4	11.8	11.7	14.2	17-18	11.2	8	3.0	12.9
16.9	15.9	14.0	12.7	11.6	10.3	8.9	7.8	6.8	18.1	15-16	6.8	24	11.3	12.9
16.8	16.1	14.2	11.0	9.0	7.1	6.7	6.0	5.0	16.9	14-15	5.0	24	11.9	10.1
22.7	21.8	18.8	17.3	16.2	16.7	16.7	15.8	15.6	22.8	14,15	4.1	5	18.7	14.8
14.7	14.3	12.5	10.8	11.0	10.7	10.0	9.8	9.0	23.1	13	9.0	24	14.1	15.0
13.9	12.8	11.7	11.4	11.2	11.2	11.2	11.2	11.3	14.5	14	5.2	6	9.3	10.8
19.2	19.2	18.4	18.1	18.4	17.9	17.9	18.1	18.7	20.0	15	11.1	1,2	8.9	15.5
21.1	20.2	19.1	15.1	14.8	14.2	13.4	12.2	11.7	22.3	13-14	11.7	24	10.6	17.6
19.5	19.4	17.2	16.2	15.0	13.4	11.7	10.9	9.6	20.8	12-13	8.4	5-6	12.4	14.8
21.3	20.7	19.8	15.9	13.8	12.1	11.3	11.1	10.9	22.0	15	5.1	5-6	16.9	14.5
23.3	21.6	17.7	16.4	16.5	15.8	15.5	14.4	14.1	23.9	14	8.2	6	15.7	16.6
24.8	22.7	20.4	18.8	18.4	17.2	16.6	16.4	16.2	24.9	15-16	12.8	5-6	12.1	18.7
19.5	18.6	17.5	13.7	11.8	9.3	8.1	7.3	6.2	20.3	15-16	6.2	24	14.1	15.0
12.5	12.6	11.0	8.9	7.6	6.3	5.0	4.1	3.3	13.6	14-15	3.3	24	10.3	8.4
12.7	12.0	10.2	8.6	7.2	6.0	4.4	3.9	4.0	13.9	14-15	0.3	6	13.6	7.5
14.5	13.8	12.0	10.8	10.2	10.0	10.1	10.1	9.9	15.2	15-16	1.6	2-3	13.6	9.5
20.2	19.5	17.6	16.2	15.0	13.7	12.9	12.6	11.8	20.6	13-14	6.8	5	13.8	14.1
28.4	26.0	22.2	19.4	18.2	16.6	16.2	16.4	14.8	28.4	16	8.7	5,6	19.7	18.7
27.5	25.0	22.7	19.9	18.6	17.4	17.3	16.7	16.0	28.4	14	13.0	5,6	15.4	20.6
20.7	22.6	20.1	17.1	15.9	15.0	13.6	14.1	13.4	22.6	17	13.4	24	9.2	17.7
20.6	19.6	17.4	14.5	10.6	8.7	7.5	6.6	6.2	21.4	14-15	6.2	24	15.2	14.2
24.6	23.4	20.2	17.1	15.8	14.7	14.0	13.6	12.0	25.2	14	4.8	3-4	20.4	16.0
15.1	15.0	15.0	13.6	12.2	11.4	10.7	9.8	10.0	25.5	10-11	9.8	23	15.7	15.6
24.0	22.7	20.4	16.0	14.0	12.8	11.9	10.7	9.6	24.2	15	8.3	5	15.9	16.0
26.4	25.2	22.1	19.7	18.8	18.4	18.2	16.6	17.0	27.0	15	8.1	4	18.9	18.2
17.6	17.5	17.6	17.2	16.6	15.4	14.7	14.1	14.5	28.7	10-11	14.1	23	14.6	18.7
27.4	26.8	24.8	22.7	21.6	20.9	19.9	19.7	19.8	27.5	15	12.3	1-2	15.2	20.7
19.4	18.7	17.0	15.1	14.2	13.2	12.6	12.0	11.5	20.9		7.9		13.0	14.6

HUMEDAD RELATIVA en %

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	96	91	89	90	94	96	90	74	65	59	57	54	51	53	53
2	85	90	92	95	98	100	94	86	77	63	59	55	51	42	43
3	82	85	88	87	88	88	88	85	80	77	72	69	66	63	63
4	94	95	96	97	97	97	97	97	95	93	87	87	86	85	86
5	95	95	94	94	94	95	95	95	95	96	94	94	94	86	85
6	87	89	88	88	89	89	87	86	75	67	63	58	51	52	39
7	85	89	90	86	82	82	83	73	68	64	60	58	54	52	48
8	96	96	97	96	97	96	83	66	58	49	44	40	37	36	37
9	67	75	76	68	67	86	84	78	74	60	56	49	47	64	55
10	86	85	85	85	85	84	79	69	65	62	60	60	62	53	56
11	84	86	90	89	89	89	88	86	86	94	92	90	82	80	74
12	80	79	80	87	95	96	96	96	94	86	67	56	51	50	49
13	87	83	88	91	94	97	91	78	67	62	61	58	59	46	46
14	100	100	99	100	100	100	76	55	55	52	55	50	46	41	39
15	88	87	85	75	79	90	76	68	66	48	34	35	31	29	26
16	75	73	91	97	95	97	93	60	57	50	49	44	39	34	33
17	68	66	68	72	75	77	74	84	81	68	69	76	83	70	52
18	82	82	84	89	90	87	77	65	59	51	49	47	43	38	40
19	84	84	85	89	89	75	55	55	50	39	39	35	32	30	29
20	90	96	97	97	97	97	91	74	60	58	56	52	51	50	47
21	98	99	100	100	92	88	90	80	71	61	56	52	48	47	47
22	88	93	95	96	97	95	79	63	52	43	39	32	26	26	22
23	70	74	76	77	80	82	66	53	45	42	37	36	37	35	36
24	94	94	89	86	88	91	83	76	71	67	65	68	71	70	69
25	98	99	99	100	100	100	98	78	58	47	50	47	37	39	34
26	91	94	100	100	100	100	86	72	53	40	32	28	26	28	27
27	72	69	71	70	71	71	64	51	42	33	31	52	53	50	74
28	99	99	100	100	100	100	100	75	74	55	36	35	32	31	22
29	69	75	74	80	88	87	73	60	47	40	34	31	29	26	26
30	72	71	73	74	76	77	62	46	36	32	26	28	33	77	84
31	98	98	99	99	99	99	89	80	73	72	69	62	60	59	60
Prom.	86	87	88	89	90	91	83	73	66	59	55	53	59	50	49

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	5.4	5.4	5.2	5.2	5.2	5.6	5.8	5.9	5.4	5.4	5.6	5.4	5.6	5.6	5.8
2	6.2	6.2	6.4	6.0	6.4	6.2	6.6	7.0	6.4	5.8	5.8	5.6	6.0	5.5	5.4
3	8.5	7.8	8.0	8.0	8.0	8.0	8.0	8.7	8.0	8.5	8.5	8.5	9.5	9.7	9.5
4	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.5	11.0	11.5	11.0	12.0	12.0	12.1	12.0
5	11.0	11.5	10.5	10.5	10.0	9.5	9.0	9.4	9.0	9.5	9.5	9.5	9.5	10.4	10.0
6	8.0	8.0	8.5	8.5	9.0	8.0	8.0	9.5	8.5	9.0	8.5	8.0	8.5	7.7	5.6
7	5.8	6.0	5.8	5.6	5.6	5.6	6.2	6.3	6.2	6.4	6.4	7.2	7.0	7.0	6.6
8	6.0	5.8	5.8	5.8	5.6	5.6	6.6	7.8	7.2	7.4	7.4	7.0	7.4	7.7	6.8
9	8.5	8.5	9.0	8.5	8.5	10.5	10.0	10.4	9.5	9.5	10.0	9.5	10.0	11.3	7.6
10	7.0	6.2	5.8	5.6	5.4	5.4	5.6	6.4	6.8	7.2	6.8	6.8	7.4	6.6	7.0
11	8.0	8.5	8.5	8.5	9.0	9.0	9.5	10.6	10.0	10.0	10.5	11.0	12.0	12.3	12.5
12	13.0	13.5	14.5	12.0	12.0	12.5	12.5	12.9	12.5	14.5	12.0	11.0	10.5	10.1	9.0
13	8.5	8.0	8.0	8.0	7.6	8.0	10.5	10.2	9.0	8.5	8.5	9.0	8.5	8.4	6.4
14	7.8	7.4	7.2	6.8	6.4	7.0	8.0	7.8	8.0	8.5	8.5	8.0	8.5	8.1	7.2
15	8.0	8.0	7.8	6.4	6.4	7.0	9.5	10.4	11.0	8.5	6.6	6.8	6.8	6.5	5.8
16	9.0	8.5	10.5	11.0	10.0	10.5	13.5	10.0	9.5	9.0	9.5	9.0	8.0	8.1	7.6
17	9.0	8.5	8.5	9.0	9.5	9.5	9.0	10.7	11.5	10.0	11.5	11.5	11.5	11.9	9.0
18	5.4	5.4	4.7	5.4	5.4	5.6	5.6	5.6	5.4	5.2	4.8	5.0	4.8	4.4	4.0
19	4.8	4.6	4.4	4.2	4.2	3.4	3.6	4.7	4.2	3.6	4.0	3.6	3.6	3.6	4.0
20	5.0	5.2	5.0	5.0	5.2	5.2	7.0	6.8	5.8	6.4	6.4	6.0	6.4	6.3	6.0
21	7.8	7.4	7.2	7.2	6.8	7.0	7.8	9.4	9.5	9.0	9.0	8.0	7.8	8.6	8.0
22	8.5	8.5	8.0	8.5	8.0	7.8	8.5	9.8	9.5	9.0	9.0	8.5	7.6	7.6	6.6
23	8.5	9.0	9.5	9.0	8.5	9.0	10.5	9.6	9.0	8.0	10.0	10.5	10.5	10.3	10.5
24	12.0	12.0	11.5	11.5	11.5	12.0	11.5	13.0	13.0	13.0	11.0	12.0	12.0	11.8	11.5
25	9.0	8.5	8.0	8.0	8.0	9.5	13.0	11.7	9.0	8.0	7.8	7.6	6.6	7.1	6.0
26	6.4	6.2	6.2	6.6	7.2	8.5	11.0	9.4	8.0	6.8	6.6	6.2	6.2	6.8	4.0
27	7.8	7.2	7.6	7.6	7.6	7.6	8.5	8.9	7.8	7.4	7.8	11.0	9.5	8.8	10.0
28	9.0	9.0	8.5	8.5	8.0	8.0	10.5	10.9	12.0	9.0	7.2	6.4	7.0	7.0	5.0
29	5.8	6.0	6.0	6.2	7.2	7.6	8.5	9.4	8.5	7.8	7.0	7.4	6.6	6.6	7.4
30	9.0	9.0	9.0	9.0	9.5	10.5	10.0	9.3	8.5	8.5	7.8	7.6	8.0	12.3	12.0
31	10.5	11.0	11.0	10.5	10.5	11.0	10.5	14.8	15.0	16.0	15.5	15.0	15.0	16.1	15.5
Prom.	8.1	8.0	8.0	7.9	7.8	8.1	8.9	9.3	8.9	8.6	8.4	8.4	8.4	8.6	7.9

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
53	56	63	67	66	69	75	75	78	98	0	50	13-14	48	71
49	52	55	57	64	67	69	71	77	100	6	42	14	58	70
64	66	74	76	77	79	85	89	92	92	24	62	14-15	30	78
87	87	86	92	93	95	95	95	95	97	varios	85	14	12	88
84	84	84	87	86	88	91	88	85	96	10	84	16,17,18	12	91
39	42	47	57	61	64	68	71	79	90	5-6	36	15-16	54	68
47	46	49	71	83	87	92	94	96	96	24	46	17	50	72
40	43	55	60	64	58	56	62	66	97	3,5	36	14	61	64
45	43	55	57	63	70	72	75	77	86	6	35	17-18	51	65
60	64	72	74	75	79	83	82	82	86	1	51	14-15	35	70
76	77	79	83	82	83	85	85	86	94	10	74	15	20	85
48	53	59	77	86	89	90	93	88	96	6,7,8	46	15-16	50	77
49	55	57	58	63	74	87	89	94	97	6	45	15-16	52	72
40	40	48	71	77	86	89	91	87	100	varios	38	14-15	62	71
28	29	41	60	81	89	64	90	87	91	0-1	26	15	65	62
34	48	52	59	74	74	80	74	72	98	6-7	30	15-16	68	65
59	63	70	62	80	79	80	83	81	84	8	51	15-16	33	72
43	44	47	56	66	70	77	84	85	90	5	38	14	52	65
41	47	56	64	71	80	90	88	90	94	22-23	30	14	64	63
48	55	59	71	79	86	89	92	94	99	2-3	47	50	52	74
47	59	64	68	72	78	81	84	87	100	3,4	46	14-15	54	74
23	36	46	53	62	67	71	67	70	97	5	22	15	75	60
38	45	55	66	80	82	74	91	93	93	24	35	14	58	61
65	59	67	80	87	91	95	97	98	98	24	61	10-11	37	80
29	29	35	46	60	69	82	89	83	100	4,5,6	28	17-18	72	67
28	31	40	53	56	63	65	68	78	100	varios	25	13-14	75	61
87	85	86	92	95	98	98	99	100	100	24	30	10-11	70	71
20	25	38	50	67	69	70	75	74	100	varios	20	16	80	64
30	34	44	54	57	58	57	59	61	90	5-6	25	14-15	65	54
87	84	81	81	83	90	94	95	96	96	24	26	11	70	69
61	63	69	75	80	85	88	89	89	99	varios	59	14	40	80
50	53	59	67	74	78	80	83	84	95		43		52	70

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
5.6	5.8	5.8	6.0	6.1	6.0	6.4	6.0	6.2	6.4	22	5.2	3,4,5	1.2	5.7
6.0	7.0	6.6	7.2	7.7	7.8	7.8	7.8	8.0	8.0	24	5.4	15	2.6	6.6
9.5	10.0	10.0	10.5	10.9	10.5	10.5	10.5	11.0	11.0	24	7.8	2	3.2	9.2
12.0	12.0	11.5	11.5	11.9	11.5	11.5	11.5	11.5	12.1	14	11.0	varios	1.1	11.5
10.0	9.0	9.0	9.5	10.2	9.0	9.0	8.0	7.8	11.5	2	7.8	24	3.7	9.6
5.2	5.6	5.6	6.2	6.6	5.0	5.6	5.6	5.6	9.5	8	5.0	21	4.5	7.3
6.6	6.4	5.6	7.2	7.2	6.6	6.6	6.4	6.0	7.2	12,19,20	5.6	varios	1.6	6.4
7.8	8.0	8.0	8.5	8.7	8.0	8.0	8.0	8.5	8.7	20	5.6	5,6	3.1	7.2
5.2	5.2	5.6	5.4	6.2	6.4	6.6	6.4	6.6	11.3	14	5.2	16,17	6.1	8.1
6.8	6.8	7.4	7.2	7.5	7.6	8.0	8.0	8.0	8.0	22,23,24	5.4	5,6	2.6	6.8
12.5	12.5	12.0	12.5	13.0	12.5	12.5	12.5	14.0	14.0	24	8.0	1	6.0	11.0
8.5	9.0	8.5	9.5	10.8	10.5	10.0	9.5	9.0	14.5	3,10	8.5	16,18	6.0	11.2
7.2	7.8	7.6	7.8	8.2	8.0	8.0	8.0	8.0	10.5	7	6.4	15	4.1	8.2
7.0	6.8	8.0	9.5	9.1	9.0	8.5	9.0	8.0	9.5	19	6.4	5	3.1	7.9
5.8	5.2	6.4	8.0	11.4	11.5	8.0	10.5	10.5	11.5	21	5.2	17	6.3	8.0
7.6	9.5	9.5	9.0	12.6	10.5	10.5	10.0	10.0	13.5	7	7.6	15,16	5.9	9.7
9.5	10.0	10.0	7.2	8.3	6.8	6.2	6.2	5.8	11.9	14	5.8	24	6.1	9.2
4.6	5.0	4.6	4.8	5.2	4.8	5.0	5.0	4.6	5.6	6,7,8	4.0	15	1.6	5.0
4.6	5.0	5.2	5.2	5.4	5.4	5.4	5.2	5.2	5.4	20,21,22	3.6	varios	1.8	4.5
5.8	6.0	6.0	6.8	7.4	8.0	8.0	8.5	8.0	8.5	23	5.0	1,3,4	3.5	6.3
8.5	9.5	9.0	9.0	9.2	9.0	9.0	9.0	8.5	9.5	9,17	6.8	5	2.7	8.4
6.6	9.0	9.0	8.5	9.6	9.5	10.0	9.0	8.5	10.0	22	6.6	15,16	3.4	8.6
10.0	10.0	10.5	11.5	12.9	12.0	10.5	13.0	12.5	13.0	23	8.0	10	5.0	10.2
11.0	11.5	12.0	11.0	11.7	11.5	10.5	11.5	11.0	13.0	8,9,10	10.5	22	2.5	11.7
5.0	4.6	4.8	5.8	5.8	5.6	6.4	6.0	5.8	13.0	7	4.6	17	8.4	7.0
3.6	3.4	4.8	6.0	7.7	7.8	7.4	7.8	8.0	11.0	7	3.4	17	7.6	6.8
11.0	10.5	10.5	10.5	10.1	9.5	9.0	8.5	8.5	11.0	12,16	7.2	2	3.8	8.9
4.0	4.6	6.8	6.4	8.0	7.4	7.0	7.0	6.4	12.0	9	4.0	16	8.0	7.6
7.4	7.8	8.5	9.0	9.3	9.0	8.5	8.0	9.0	9.4	8	5.8	1	3.6	7.7
13.0	12.0	12.0	12.0	11.8	11.5	11.5	11.0	11.0	13.0	16	7.6	12	5.4	10.2
17.0	16.0	15.5	14.5	15.4	15.0	14.5	14.5	14.5	17.0	16	10.5	varios	6.5	14.0
7.9	8.1	8.3	8.5	9.2	8.8	8.6	8.6	8.6	10.7		6.5		4.2	8.4

VIENTO: DIRECCIÓN Y VELOCIDAD; PREVALENCIAS

HORAS / DÍAS	0 — 1		1 — 2		2 — 3		3 — 4		4 — 5		5 — 6		6 — 7		7 — 8		8 — 9		9 — 10		10 — 11		11 — 12		12 — 13		13 — 14		14 — 15	
	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.
1	E	3	E	3	NE	3	E	4	Calma	1	Calma	0	Calma	0	NE	2	NE	9	NE	7	NE	10	E	12	E	16	E	17	E	17
2	E	12	E	12	E	14	E	11	E	11	E	13	E	12	E	17	NE	24	E	30	E	32	NE	26	NE	23	NE	23	E	19
3	NE	21	NE	18	NE	16	NE	18	NE	18	E	17	E	16	E	19	E	23	E	17	E	21	E	19	E	17	E	20	E	20
4	SE	12	SE	12	SE	11	SE	20	SE	16	SE	6	SE	4	SE	8	SE	6	SE	7	S	4	S	4	S	4	S	2	S	3
5	SW	5	SW	6	SW	5	SW	6	SW	4	SW	4	SW	2	SW	17	SW	14	SW	14	SW	15	SW	14	SW	17	SW	17	SW	18
6	SW	20	SW	20	SW	16	SW	15	SW	19	SW	17	SW	22	SW	20	SW	25	SW	25	SW	24	SW	24	SW	26	SW	26	SW	27
7	SW	14	SW	11	SW	9	SW	12	SW	11	SW	10	SW	10	SW	11	W	17	W	15	W	13	W	12	W	12	W	15	W	13
8	Calma	1	NW	2	NW	4	NW	4	NW	2	N	5	NE	6	NE	8	NW	14	NW	19	NW	20	NW	23	NW	23	NW	22	NW	26
9	NW	14	NW	11	NW	11	NW	16	W	14	NW	7	Calma	1	SE	2	SE	6	E	9	E	11	E	2	E	2	E	12	E	21
10	NW	10	NW	7	NW	7	NW	5	NW	3	Calma	1	NW	6	NW	8	N	11	N	14	N	18	W	18	S	16	SE	15	SE	15
11	SE	12	SE	11	SE	7	SE	10	SE	11	SE	11	SE	14	SE	14	NW	8	NW	8	NW	14	NW	15	NW	18	NW	18	NW	17
12	W	16	W	19	W	22	S	8	Calma	0	Calma	0	Calma	0	Calma	0	NW	4	E	7	E	4	E	5	Calma	1	Calma	1	E	3
13	Calma	0	Calma	0	E	2	NE	4	NE	2	Calma	0	NE	6	NW	11	NW	18	NW	15	NW	12	NW	12	W	10	W	8	NW	5
14	Calma	0	Calma	0	Calma	1	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	NW	5	NW	9	NW	11	SW	10	E	11	E	13
15	Calma	0	E	2	NE	3	NE	3	Calma	0	Calma	1	NW	3	NW	12	W	6	SW	5	SE	8	SE	9	SE	7	SE	5	SE	6
16	Calma	1	E	4	SE	5	SE	5	SW	2	Calma	0	Calma	0	W	8	SW	16	SW	18	SW	17	SW	16	SW	16	SW	17	SW	13
17	NW	6	W	5	W	5	SW	2	Calma	1	Calma	1	E	4	Calma	0	NE	3	NE	6	NE	4	NE	2	Calma	1	NE	8	NE	3
18	NE	7	NE	8	NE	7	NE	6	NE	6	NE	6	NE	8	NE	12	SE	13	SE	16	SE	14	SE	12	SE	13	SE	10	SE	11
19	Calma	1	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	SE	5	SE	5	SE	9	SE	9	SE	9	SE	7	SE	6	E	12
20	Calma	0	Calma	0	SE	2	SE	2	Calma	0	Calma	0	Calma	0	Calma	1	NE	3	E	7	E	7	E	10	E	9	E	9	E	5
21	Calma	0	Calma	1	NE	2	NE	3	NE	6	NE	10	NE	13	NE	16	N	16	NW	18	NW	18	NW	14	NW	14	NW	9	NW	13
22	NE	3	NE	2	NW	4	NW	4	NW	6	NW	4	NW	6	NW	9	NW	10	NW	13	W	13	W	12	W	10	W	12	W	10
23	NW	12	NW	11	NW	13	NW	12	NW	11	NW	10	NW	13	NW	18	NW	20	NW	24	NW	21	NW	23	NW	22	NW	23	NW	22
24	E	15	E	15	E	11	E	5	[illegible]	7	Calma	1	E	6	E	2	SE	3	SE	6	Calma	0	NW	6	NW	5	NW	13	NW	11
25	Calma	1	Calma	0	Calma	1	Calma	1	SW	2	W	2	W	8	SW	8	SW	14	SW	13	S	18	S	14	S	12	S	14	SW	12
26	Calma	1	Calma	1	Calma	0	NE	5	NE	7	NE	8	NE	14	NE	13	NW	17	NW	17	NW	18	NW	17	NW	14	NW	16	NW	16
27	N	13	N	18	N	18	N	18	N	18	N	18	N	19	N	18	NW	20	NW	21	NW	22	NW	18	SW	18	SW	18	SW	12
28	SW	7	SW	5	S	3	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	NE	8	N	8	W	4	W	7	W	8	W	7	W	7
29	NW	3	NW	5	NW	2	NW	5	NW	3	NW	4	NW	6	NW	15	NW	16	NW	20	NW	20	NW	23	NW	21	NW	20	NW	18
30	NW	14	NW	15	NW	12	NW	14	NW	13	NW	11	NW	17	NW	21	NW	30	NW	27	NW	29	NW	23	NW	14	NW	20	NW	20
31	Calma	0	Calma	1	S	3	SE	2	SE	2	Calma	1	E	4	E	5	E	5	E	3	E	4	E	7	N	5	NE	6	NE	7
DIRECCIÓN PREVALENTE	Calma		Calma		NW		NW		Calma		Calma		Calma		NW		NW		NW		NW		NW		NW		NW		NW	
NÚMERO DE HORAS	11		8		7		7		8		13		8		7		10		11		10		11		8		8		9	
PROM. HOR. DE LA VELOCIDAD		7		7		7		7		6		5		7		10		12		14		14		14		13		14		13

15 – 16		16 – 17		17 – 18		18 – 19		19 – 20		20 – 21		21 – 22		22 – 23		23 – 24		PREVALENCIA DIARIA		PROMEDIO DIARIO DE VELOCIDAD	VELOCIDAD INSTANTÁNEA		
DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIRECCIÓN	NÚMERO DE HORAS		VELOCIDAD	DIRECCIÓN	HORA
E	15	E	13	E	11	E	9	E	13	E	13	E	13	E	17	E	14	E	13	9	27	NE	12.45
E	17	E	14	E	14	E	12	E	17	NE	16	NE	19	NE	21	NE	23	E	16	18	42	NE	9.58
E	14	NE	11	NE	9	E	9	SE	13	SE	17	SE	19	SE	20	SE	18	E	10	17	31	E	9.08
SE	6	SE	6	SE	2	E	9	E	4	W	9	W	9	W	8	W	11	SE	13	8	25	E	3.40
SW	15	SW	10	SW	11	SW	14	SW	10	SW	13	SW	15	SW	17	SW	18	SW	24	12	38	SW	14.04
SW	26	SW	26	SW	19	SW	17	SW	17	SW	20	SW	20	SW	16	SW	17	SW	24	21	68	SW	14.10
W	13	W	9	W	5	Calma	0	Calma	0	Calma	1	Calma	1	NW	2	Calma	0	W	10	9	31	SW	9.25
NW	23	NW	16	NW	14	NW	14	NW	14	NW	19	NW	20	NW	14	NW	12	NW	20	14	35	NW	15.06
E	19	E	17	E	17	E	16	E	10	E	10	E	7	NW	7	NW	9	E	10	10	37	SE	15.06
SE	16	SE	15	SE	13	SE	9	SE	8	SE	12	SE	8	SE	12	SE	17	SE	11	11	28	E	11.08
NW	14	NW	11	NW	8	NW	11	NW	12	NW	11	W	13	W	9	W	16	NW	13	12	29	NW	12.41
E	4	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	14	4	42	E	3.21
NW	5	NW	2	E	3	E	4	Calma	0	Calma	1	Calma	0	Calma	0	Calma	1	NW Calma	8	5	24	NW	9.24
E	8	E	4	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	Calma	16	3	13	E	14.12
SE	6	E	4	Calma	0	Calma	0	NW	2	Calma	0	E	3	W	4	Calma	0	Calma	7	4	25	SE	12.40
W	8	W	9	W	7	W	3	NW	6	NW	7	Calma	1	NW	3	Calma	1	SW	8	8	26	SW	10.30
NE	5	NE	7	NE	4	NE	13	NE	13	NE	16	NE	18	NE	12	NE	12	NE	15	6	37	NE	20.45
SE	9	SE	7	SE	7	SE	2	Calma	1	Calma	0	Calma	0	Calma	0	Calma	0	SE	11	7	23	S	10.25
E	14	E	10	E	8	E	5	E	3	E	2	Calma	0	SE	2	Calma	0	Calma	9	4	24	S	11.28
E	6	E	10	E	10	E	11	E	7	E	7	E	7	E	9	E	6	E	15	5	29	NE	12.45
NW	9	NW	6	NE	3	NE	6	NE	5	NE	6	NE	8	NE	2	Calma	1	NE	12	8	26	NW	10.26
W	9	W	10	NW	9	NW	8	N	5	N	5	N	9	N	10	NW	12	NW	11	8	21	W	12.52
NW	25	NW	18	NW	8	NE	3	3	8	SE	6	SE	8	E	13	E	9	NW	18	15	33	NW	13.43
SW	6	SW	4	SW	2	SW	4	SW	3	Calma	0	Calma	0	Calma	0	Calma	0	E	7	5	24	E	14.38
SW	17	SW	13	SW	8	SW	4	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	Calma SW	9	7	32	SW	10.06
NW	20	NW	19	NW	13	NE	11	NE	11	NE	10	NE	12	NE	12	NE	12	NE	11	12	26	SW	14.03
SE	5	E	2	SW	3	S	2	Calma	0	Calma	0	Calma	1	Calma	0	SW	5	N	8	12	35	NW	9.31
SW	7	SW	5	SW	2	Calma	0	Calma	0	Calma	0	Calma	0	NW	3	Calma	0	Calma	10	3	17	W	13.54
NW	15	N	14	NE	10	NE	5	NE	8	N	8	N	15	N	11	N	13	NW	16	12	34	NW	12.20
NE	16	NE	12	N	20	N	6	N	3	Calma	0	Calma	0	Calma	0	Calma	0	NW	15	14	40	NW	10.48
NE	8	NE	10	NE	10	NE	7	NE	9	NE	7	NE	6	NE	5	NE	8	NE	11	5	15	NE	12.52
E-SW		E		E-SW		E		Calma		Calma		Calma		Calma		Calma		PREVALENCIA MENSUAL		VELOCIDAD MEDIA HORARIA EN K. MES	MÁXIMA DEL MES		
																		Dirección	Horas		36 Km.		
7		8		6		8		8		11		12		8		13		NW	154	9	DIRECCIÓN	DÍA	HORA
	12		10		8		7		6		7		7		7		8				-	-	de 10.10 a 10.15

FRECUENCIAS, KILÓMETROS RECORRIDOS Y VELOCIDAD MEDIA POR DIRECCIÓN

DÍAS	NORTE		NORESTE		ESTE		SUDESTE		SUD		SUDOESTE		OESTE		NOROESTE		Calma	TOTALES DIARIOS DE KILÓMETROS
	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	
1	3	10	5	31	13	180											3	222
2			8	177	16	257												434
3	2	34	7	111	10	178	5	87										410
4					2	13	13	116	5	17			4	37				183
5											24	281						281
6											24	504						504
7											8	88	10	124	1	2	5	216
8	1	5	2	14											20	305	1	325
9	3	27			10	126	2	8					1	14	7	75	1	251
10	3	43					11	140	1	16			1	18	7	46	1	264
11							8	90					3	38	13	165		293
12					5	23			1	8			3	57	1	4	14	94
13			3	12	3	9							2	18	8	80	8	121
14					4	36					1	10			3	25	16	73
15			2	6	3	9	6	41			1	5	2	10	3	17	7	89
16					1	4	2	10			8	115	5	35	3	16	5	183
17			15	126	1	4					1	2	2	10	1	6	4	151
18			8	60			11	114									5	175
19					7	54	8	52									9	108
20			1	3	15	120	2	4									6	128
21	1	16	12	80											8	101	3	199
22	4	29	2	5									7	76	11	85		195
23			1	3	2	22	2	14	1	8					18	306		353
24					7	61	2	9			5	19			4	35	6	125
25									4	58	9	91	2	10			9	163
26			11	115											10	167	3	284
27	8	140			1	2	1	5	1	2	5	56			4	81	4	287
28	1	8	1	8					1	3	5	26	5	33	1	3	10	81
29	5	61	3	23											16	196		280
30	3	29	2	28											15	280	4	337
31	1	5	11	83	6	28	2	4	1	3							3	125
SUMAS	35	407	94	885	106	1126	75	694	15	115	91	1197	47	480	154	1195	127	6934
% PREVAL POR VELOCIDAD	5.9		12.8		16.2		10.0		1.6		17.3		6.9		28.8		0.5	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	12		9		11		9		8		13		10		13		0	224

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	2	3	2	2		4	1	6	11
1 - 2	2	3	4	2		4	2	6	8
2 - 3	1	5	3	4	2	3	2	7	4
3 - 4	2	6	2	5	1	4		7	4
4 - 5	1	5	2	3		5	1	6	8
5 - 6	2	3	2	2		3	1	5	13
6 - 7	1	5	5	2		3	1	6	8
7 - 8	1	5	4	4		4	1	7	5
8 - 9	2	5	2	5		4	2	10	1
9 - 10	2	2	6	4		5	1	11	
10 - 11	1	2	6	3	2	3	3	10	1
11 - 12		2	6	3	2	3	4	11	
12 - 13	1	1	4	3	3	5	4	8	2
13 - 14		3	5	4	2	4	4	8	1
14 - 15	1	2	7	3	1	5	3	9	
15 - 16	1	3	7	5		5	3	7	
16 - 17	1	4	8	3		5	3	6	1
17 - 18	1	5	6	3		6	2	5	3
18 - 19	1	6	8	2	1	4	1	3	5
19 - 20	3	5	5	2	1	3		4	8
20 - 21	3	5	3	3		2	1	3	11
21 - 22	3	5	3	3		2	2	1	12
22 - 23	2	5	3	3		2	3	5	8
23 - 24	1	4	3	2		3	2	3	13
SUMAS	35	94	106	75	15	91	47	154	127
% de frec. por dirección	4.7	12.6	14.2	10.1	2.0	12.2	6.3	20.7	17.1

NUBES. VISIBILIDAD

DÍAS	NUBES										VISIBILIDAD		
	8h		12h		14h		18h		20h		8h	14h	20h
	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	90 - 99		
1	Sc	6	Ac	6	Cs	6	Ac 6 Cs 2	8	Ac	4	98	99	99
2	Ci	5	Ci	2	Ac	1	Claro	0	Claro	0	9	9	9
3	As	8	As	8	As	8	As	8	As	8	8	9	8
4	St	8	St	8	St	8	Sc	8	Ns	8	2	6	3
5	Ns	8	Ns	8	Fs	8	St	8	St	8	4	8	8
6	St	8	Cu	8	Ci	6	Ci	1	Claro	0	8	9	9
7	Cu	6	Sc 2 Ci 1	3	Ci	1	Cs	2	Claro	0	9	9	9
8	Ci	3	Ci	1	Ci	3	Ci	1	Ci	1	9	9	9
9	Sc	8	Sc	6	As Ac	8	Fs	8	Sc	3	6	7	7
10	Ci	2	Ci	1	Claro	0	Sc	6	Sc	8	8	8	8
11	Ac As	8	Sc	8	Sc	8	Ac	8	Ac	6	8	7	8
12	Sc	8	Cu 1 Ci 3	4	Cu	2	Ac	6	Ac	2	7	9	9
13	Ac	6	Ac	7	Ac	6	Sc	6	Ac	5	9	9	9
14	Claro	0	Cu 2 Ci 1	3	Cu	4	Cu 1 Ci 1	2	Cu	1	9	9	9
15	Claro	0	Ci	1	Cu	1	As	7	St	7	9	8	7
16	Ci	1	Ci 1 Ac 2	3	As	2	Sc 2 Cs 6	8	Ac	6	8	9	8
17	Ns	8	Sc	8	Sc 3 Cc 4	7	Sc	7	Ac	4	7	8	9
18	Sc 2 Ci 4	6	Cu	5	Cu	4	Cu	1	Cu	1	9	9	9
19	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	9
20	Cu	6	Cu	1	Ci	1	Ci	3	Claro	0	9	9	9
21	As	4	Ac 6 Ci 2	8	As	7	Ac	2	Claro	0	9	9	9
22	Claro	0	Claro	0	Cu	1	Ci	1	Claro	0	9	9	9
23	Ci	1	Ci	2	Ci	1	Ac As 6 Ci 1	7	Ac 3 Sc 2	5	9	9	9
24	Ac	7	Sc	7	As	8	Claro	0	Claro	0	8	8	9
25	Ac	8	Ac 2 Ci 1	3	Ci	1	Claro	0	Claro	0	8	9	9
26	Claro	0	Claro	0	Claro	0	Ci	1	Claro	0	9	9	9
27	Ci	2	Sc	8	Sc	8	Ac	4	Claro	0	9	8	7
28	Claro	0	Claro	0	Claro	0	Ci 3 Ac 3	6	Sc	4	9	9	9
29	Cs	1	Ci	4	Claro	0	Sc	3	Ci	2	8	9	9
30	Claro	0	Sc	8	Cu	8	Sc	7	Ac	6	9	7	8
31	Claro	0	Ac	1	Claro	0	Claro	0	Claro	0	8	8	9
Prom.		4		4		4		4		3			

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
1	9	23.6	13.0	0.86	8	0	5	
	10	43.3	19.4	1.94	6	3	5	
	12	41.3	18.9	1.82	6	3	5	
	14	32.4	16.7	1.28	6	3	5	
	15	37.0	18.3	1.52	6	3	5	
2	9	22.6	12.5	0.82	7	0	5	
	10	36.6	17.8	1.53	3	5	5	
	12	37.3	18.1	1.56	2	5	5	
	14	38.4	20.5	1.40	6	5	5	
	15	24.7	17.2	0.61	8	0	5	
3	9	26.3	15.5	0.88	8	0	5	
	10	31.6	17.9	1.11	8	0	5	
	12	28.5	18.5	0.81	8	0	5	
	14	34.6	21.5	1.06	8	0	5	
	15	37.9	20.5	1.41	8	0	5	
4	9				8	0	4	Z.
	10				8	0	4	Z.
	12				8	0	4	Z.
	14				8	0	4	Z.
	15				8	0	4	Z.
5	9				8	0	4	Z.
	10				8	0	4	Z.
	12				8	0	4	Z.
	14				8	0	5	Z.
	15				8	0	5	Z.
6	9	29.7	17.8	0.97	8	0	5	
	10	41.7	22.3	1.58	6	3	5	
	12	31.9	19.8	0.98	8	3	5	
	14	39.9	22.5	1.41	6	3	5	
	15	38.2	21.6	1.35	6	3	5	
7	9	30.4	15.0	1.25	6	3	5	
	10	40.7	19.0	1.76	6	5	5	
	12	41.1	21.4	1.60	3	5	5	
	14	41.3	21.7	1.59	1	5	5	
	15	39.5	21.5	1.46	0	5	5	
8	9	39.6	21.8	1.45	1	5	5	
	10	42.3	23.8	1.50	2	5	5	
	12	45.0	26.7	1.49	1	5	5	
	14	44.7	27.3	1.41	3	5	5	
	15	42.7	26.7	1.30	0	5	5	
9	9				8	0	3	Ne., Am.
	10	32.5	22.4	0.82	6	1	3	Ne.
	12	30.4	22.4	0.65	6	1	3	
	14	32.0	23.1	0.72	8	1	5	
	15	21.5	17.7	0.31	8	0	4	
10	9	32.5	16.0	1.34	5	2	3	
	10	31.0	16.2	1.20	6	4	3	
	12	38.0	19.2	1.53	3	5	4	
	14	37.9	19.5	1.50	0	5	4	
	15	35.6	18.8	1.36	1	5	4	
11	9				8	0	3	Z.
	10				8	0	3	Z.
	12				8	0	3	Am.
	14				8	0	4	Am.
	15	34.8	22.5	1.00	8	0	4	
12	9				8	0	3	Am.
	10	36.7	22.8	1.13	6	2	3	Ne.
	12	46.2	27.5	1.52	4	5	5	
	14	45.7	27.5	1.48	2	5	5	
	15	36.6	24.2	1.01	5	3	5	
13	9	39.7	22.2	1.42	8	5	5	
	10	32.0	20.0	0.98	4	1	5	
	12	44.3	25.0	1.57	7	3	4	
	14	34.7	22.8	0.97	6	0	5	
	15	32.5	22.4	0.82	6	3	5	
14	9	40.7	23.4	1.41	0	5	3	
	10	44.2	25.4	1.53	1	5	4	
	12	45.0	26.8	1.48	3	5	4	
	14	42.7	26.0	1.36	4	5	5	
	15	34.3	24.2	0.82	5	0	5	
15	9	43.6	24.6	1.54	0	5	5	
	10	45.8	26.6	1.56	0	5	5	
	12	47.9	29.0	1.54	1	5	5	
	14	46.8	28.5	1.49	1	5	5	
	15	45.5	27.6	1.46	1	5	5	
16	9	44.3	25.6	1.52	2	5	5	
	10	44.0	26.5	1.42	5	5	5	
	12	47.2	28.5	1.52	3	5	5	
	14	46.3	29.0	1.41	2	5	5	
	15	46.0	28.9	1.39	5	5	5	
17	9				8	0	3	Am.
	10				8	0	3	Am.
	12				8	0	3	Z.
	14	39.3	32.3	1.31	7	5	3	
	15	37.3	23.5	1.15	6	4	4	
18	9	36.0	16.2	1.61	6	5	4	
	10	36.3	16.9	1.58	4	5	4	
	12	41.4	19.6	1.77	5	5	4	
	14	36.2	18.0	1.48	4	5	4	
	15	26.9	15.7	0.96	4	0	4	
19	9	35.2	15.6	1.58	0	5	5	
	10	37.4	17.1	1.65	0	5	5	
	12	38.9	18.3	1.67	0	5	5	
	14	39.2	19.0	1.64	0	5	5	
	15	23.5	14.5	0.73	1	3	5	
20	9	36.0	16.9	1.55	6	3	5	
	10	38.9	18.9	1.63	6	3	5	
	12	39.2	19.7	1.58	3	4	4	
	14	39.3	19.9	1.58	1	5	4	
	15	37.6	20.0	1.43	4	5	5	
21	9	35.0	20.5	1.18	7	1	5	
	10	42.6	23.7	1.54	6	4	5	
	12	34.4	22.3	0.98	8	3	5	
	14	38.3	24.5	1.12	7	1	5	
	15	29.1	21.7	0.60	8	0	5	
22	9	44.5	26.5	1.46	0	5	5	
	10	47.5	29.2	1.49	0	5	5	
	12	50.0	31.8	1.48	0	5	5	
	14	48.3	32.4	1.29	1	3	5	
	15	48.6	31.7	1.37	2	5	5	
23	9	47.0	29.6	1.41	4	5	5	
	10	48.5	30.8	1.44	1	5	5	
	12	50.5	33.0	1.42	2	5	5	
	14	50.0	33.2	1.36	1	5	5	
	15	45.2	32.0	1.07	3	5	5	
24	9	28.1	21.7	0.52	4	0	5	
	10	39.5	25.5	1.14	7	1	5	
	12	22.5	20.0	0.20	7	0	5	
	14	25.8	20.6	0.42	8	0	4	
	15	25.0	20.3	0.38	3	0	4	
25	9	32.0	21.0	0.88	7	0	4	
	10	45.9	25.9	1.63	6	5	5	
	12	44.3	24.7	1.59	3	5	5	
	14	44.4	25.5	1.54	1	5	5	
	15	43.4	25.7	1.44	0	5	5	
26	9	41.5	23.5	1.46	0	5	5	
	10	45.0	26.2	1.53	0	5	5	
	12	48.5	29.6	1.54	0	5	5	
	14	47.0	30.0	1.38	0	5	5	
	15	43.6	29.0	1.19	0	5	5	
27	9	45.5	27.6	1.46	0	5	5	
	10	48.0	29.8	1.48	2	5	5	
	12	27.5	20.6	0.56	8	0	4	
	14				8	0	4	Z.
	15				8	0	4	LL.
28	9	42.7	24.5	1.48	0	5	4	B., Js.
	10	44.7	25.9	1.53	0	5	4	Js.
	12	48.0	27.8	1.64	0	5	5	Js.
	14	47.5	29.0	1.50	0	5	5	Js.
	15	45.6	28.4	1.40	0	5	5	Js.
29	9	43.2	25.7	1.42	6	4	5	Js.
	10	47.7	28.9	1.53	6	4	5	Js.
	12	48.3	27.8	1.67	4	4	5	Js.
	14	48.0	31.0	1.38	0	5	5	Js.
	15	48.0	30.5	1.42	2	5	5	Js.
30	9	46.5	29.6	1.37	2	4	4	Js.
	10	50.0	32.0	1.46	6	4	4	Js.
	12	40.4	30.1	0.84	8	1	4	
	14				8	0	3	LL.
	15				8	0	3	LL.
31	9	45.6	27.7	1.46	0	5	3	B., Js.
	10	44.0	28.6	1.25	2	4	3	B., Js.
	12	49.6	31.5	1.47	1	5	4	B., Js.
	14	50.2	32.4	1.45	0	5	4	Js.
	15	48.0	31.9	1.31	0	5	4	Js.

HELIOFANÍA

DÍAS \ HORAS	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H.EFECTIVA	H.TEÓR.ASTRON	H.RELATIVA
1					0.1	0.7	0.8	1.0	1.0	0.8	0.8	0.1	0.3		5.6	12.4	45
2		0.2	1.0	0.8	0.4	1.0	1.0	1.0	1.0	0.5					6.9	12.4	56
3			0.1												0.1	12.4	01
4															0.0	12.5	00
5															0.0	12.5	00
6					0.2	0.9	0.7	0.5	0.9	0.7	0.8	0.8	0.9	0.5	6.9	12.5	55
7		0.7	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.6	12.6	92
8		0.2	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5		10.5	12.6	83
9		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4		11.2	12.7	88
10					0.1	0.8	0.7	0.6	0.9	1.0	1.0	0.9	0.8	0.3	7.1	12.7	56
11							0.2	0.5	0.5	0.9					2.1	12.7	16
12						0.7	1.0	1.0	1.0	1.0	0.9	0.4			6.0	12.8	47
13					0.3	0.2	0.3	0.5	0.6	0.8	0.7	0.1			3.5	12.8	27
14		0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.6	0.3	0.2			8.0	12.8	62
15		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3					7.9	12.9	61
16			0.7	1.0	0.9	1.0	1.0	0.8							5.4	12.9	42
17															0.0	12.9	00
18		0.3	0.9	1.0	1.0	0.8	0.6	0.4	0.5	0.6	0.7	0.2			7.0	13.0	54
19			0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8		10.7	13.0	82
20			0.3	0.5	0.5	0.7	0.8	0.8	0.7	0.5	0.3	0.4			5.4	13.0	42
21			0.1	0.4	0.5	0.7	0.1	0.1	0.6	0.2	0.1		0.3		3.1	13.1	24
22		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	11.7	13.1	89
23		0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			10.1	13.1	77
24		0.6	0.5	0.1	0.1	0.6	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.4	8.8	13.2	67
25		0.2	0.3	0.5	0.6	0.8	0.6	1.0	0.8	1.0	0.8	0.9			7.5	13.2	57
26		0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9		11.4	13.2	86
27		0.2	1.0	1.0	1.0	0.7	0.5	0.4	0.2	0.1					5.1	13.3	38
28			0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.2	10.9	13.3	82
29		0.4	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.9		11.2	13.3	84
30		0.9	1.0	1.0	1.0	1.0	0.3								5.2	13.4	39
31		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	12.1	13.4	90
Medias		2.5	5.6	5.8	6.0	7.3	6.8	7.0	6.8	6.4	5.6	4.7	3.4	0.7	6.9	12.9	53

GEOTEMPERATURA

DÍAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h
1	11.5	15.4	13.4	11.9	13.6	13.4	11.6	11.6	12.0	12.6	12.2	12.6	15.8	15.6	15.4
2	11.6	15.8	14.2	11.9	13.8	13.7	11.4	11.8	11.8	12.2	12.2	12.0	15.5	15.4	15.5
3	13.2	15.6	15.2	12.8	14.0	14.4	11.8	12.1	12.6	12.4	12.4	12.6	15.4	15.5	15.5
4	14.6	15.6	14.6	14.1	14.4	14.2	12.6	12.8	12.8	13.0	13.2	13.0	15.8	15.8	15.6
5	15.0	14.8	15.0	14.4	14.2	14.4	13.0	12.8	12.8	13.3	13.2	13.2	16.0	16.0	15.9
6	14.0	16.2	14.6	13.7	14.8	14.5	12.6	12.6	12.0	13.0	13.0	12.2	15.9	15.9	15.8
7	12.6	17.0	14.7	12.7	14.9	14.7	12.1	12.3	13.0	12.9	12.6	13.0	15.9	15.8	15.7
8	12.2	18.4	16.6	12.5	15.7	15.7	12.1	12.6	13.5	13.0	12.8	12.2	15.9	15.8	15.9
9	15.0	18.0	15.4	14.5	16.1	15.5	13.2	13.4	13.2	13.6	13.4	13.4	16.1	16.2	16.2
10	13.0	17.0	15.0	13.0	15.2	14.9	12.8	12.9	13.4	13.6	13.3	13.6	16.4	16.2	16.2
11	14.2	16.0	16.5	13.9	14.6	15.4	12.9	13.0	13.4	13.6	13.2	13.6	16.3	16.4	16.3
12	16.4	19.9	17.8	15.5	16.5	16.2	13.8	14.9	15.1	14.0	14.2	14.6	16.5	16.7	16.8
13	15.1	18.8	17.5	15.1	16.7	16.8	14.2	14.4	14.9	14.9	14.6	14.8	17.1	17.1	17.1
14	14.6	20.0	17.6	14.6	17.5	17.1	14.0	14.4	15.2	14.6	14.5	14.8	17.2	17.2	17.2
15	15.3	20.9	18.2	15.1	18.2	17.7	14.4	14.9	15.9	15.0	14.9	15.5	17.5	17.5	17.6
16	16.6	21.6	19.1	16.3	19.0	18.5	15.2	13.6	16.4	15.8	15.6	16.0	18.0	18.0	18.1
17	17.4	18.4	17.6	16.9	17.3	17.4	15.6	15.6	15.6	16.0	15.8	15.8	18.3	18.4	18.2
18	14.2	18.4	15.6	14.7	16.8	15.9	14.6	14.5	14.8	15.6	15.1	15.2	18.2	18.0	17.8
19	12.6	17.8	13.0	13.6	16.0	15.2	13.4	13.6	14.0	14.6	14.4	14.0	17.8	17.5	17.5
20	12.8	17.5	15.3	13.0	15.9	15.3	13.0	13.3	14.0	14.2	14.0	14.3	17.4	18.2	17.1
21	14.0	17.6	16.2	13.8	15.6	16.0	13.3	13.6	14.0	14.2	14.1	14.0	17.3	17.2	17.1
22	14.8	21.1	18.4	14.4	18.0	17.7	13.6	14.4	15.0	14.4	14.5	14.5	17.3	17.3	17.6
23	16.7	22.1	18.8	16.1	19.1	16.6	15.0	15.8	16.0	15.7	15.6	15.8	18.0	18.1	18.2
24	18.0	19.3	18.2	17.4	18.2	18.0	16.0	16.3	18.2	16.4	16.3	16.4	18.6	18.7	18.6
25	16.6	19.6	17.2	16.2	18.0	17.4	15.4	15.6	15.8	16.0	16.0	16.0	18.7	18.6	18.4
26	15.2	21.2	18.2	15.0	18.6	17.8	14.8	15.3	16.0	15.6	15.6	15.8	18.6	18.4	18.4
27	16.6	19.8	17.4	16.0	18.0	17.2	15.2	15.6	15.6	15.8	15.6	15.8	17.7	17.7	17.6
28	16.0	21.4	18.2	15.5	18.9	18.0	14.8	15.6	16.0	15.6	15.6	16.0	18.4	18.4	18.3
29	16.2	21.0	18.8	15.7	18.8	18.2	15.1	15.6	16.2	15.9	15.8	16.2	18.6	18.6	18.5
30	17.6	20.4	18.6	16.7	18.6	17.9	15.6	16.0	16.2	16.2	16.2	16.2	18.8	18.8	18.8
31	17.6	23.4	21.2	16.6	23.6	20.2	15.6	16.6	17.6	16.3	16.3	17.0	18.9	18.9	19.0
Prom.	14.9	18.7	16.7	14.6	16.8	16.3	13.8	14.1	14.6	14.5	14.4	14.5	17.2	17.2	17.2

LLUVIA, ESTADO DEL SUELO, ETC...

DÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en %						Freatímetro
	50 cm.	1.50 m.	7 m.	18 m.		8^h	14^h	20^h	Total	Punto	7 cm.	15 cm.	30 cm.	60 cm.	1 m.	
1					0	0.5	1.2	1.2	3.3							11093
2					0	0.9	1.0	1.8	4.8							11099
3	4.6	5.0	4.8	4.0	0	2.0	1.3	1.2	3.0							11090
4	23.6	24.8	23.0	22.0	2	0.5	0.2	0.2	0.6	-	-	-	-			11102
5	2.3	2.6	2.0	2.2	2	0.2	0.1	0.2	1.2							11103
6					1	0.9	1.6	2.0	3.8							11105
7					1	0.2	0.9	1.0	2.3							11109
8	0.6	0.6	0.2	0.3	0	0.4	2.8	2.6	7.5							11107
9	0.3	0.7	0.2	0.0	2	2.1	1.2	1.7	3.7	P. 3	19.5	19.9	23.4			11104
10					1	0.8	1.2	1.0	3.2							11106
11	2.5	2.6	1.8	2.4	1	1.0	0.5	0.9	2.4							11109
12					1	1.0	1.1	1.4	2.9							11111
13					0	0.4	1.6	1.5	4.0							11113
14					0	0.9	1.9	1.3	4.1	P. 4	18.5	18.4	22.6			11116
15	2.1	2.6	0.0	0.0	0	0.9	2.2	1.5	4.7							11110
16					0	1.0	3.0	1.5	5.5							11115
17	2.4	2.6	2.2	1.9	1	1.0	1.0	0.4	2.2							11117
18					0	0.8	1.3	0.5	2.8							11119
19					0	1.0	1.2	1.1	2.6	P. 5	21.7	18.5	23.3	21.0	12.7	11110
20					0	0.3	1.1	1.2	2.7							11105
21					0	0.4	1.8	1.4	4.5							11105
22					0	1.3	3.0	2.3	7.1							11109
23					0	1.8	4.1	3.0	8.2							11108
24					0	1.1	0.9	0.9	2.0	P. 6	12.4	13.9	21.8			11113
25					0	0.2	2.1	2.1	4.6							11113
26					0	0.4	1.3	2.9	6.3							11113
27	1.7	1.9	1.6	1.6	0	2.1	3.0	0.5	3.7		•					11113
28					0	0.2	2.0	1.9	4.8							11115
29					0	0.9	3.7	2.9	9.2	P. 7	10.2	10.7	20.8			11110
30	5.9	6.5	5.6	4.1	2	2.6	4.3	0.4	5.6							11115
31					1	0.9	1.3	1.7	4.8							11117
Prom.	46.0	49.9	41.4	38.5	-	1.0	1.7	1.4	4.1	-	-	-	-	-	-	11109

0.50 m.			1 m.			2 m.	3 m.	Temper. Mínima de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos
8^h	14^h	20^h	8^h	14^h	20^h	8^h	8^h		
15.0	15.0	14.8	15.0	15.0	15.0	15.8	16.8	- 2.2	Cn. m. t. y n.
14.8	14.9	14.9	14.9	15.0	15.0	15.8	16.8	2.6	Cn. m., Ca. t. y n.
14.9	14.9	14.8	14.9	15.0	15.0	15.8	16.8	8.0	Cn. m. t. y n., R. n.
15.0	15.0	15.0	14.9	15.0	15.0	15.8	16.8	12.8	Cn. m. t. y n, N. m. y n, Ne. t, LL.t.y n, Z.n.
15.0	15.0	15.0	15.1	15.1	15.1	15.8	16.6	12.1	Cn. m. t. y n., Z. m. y t.
14.9	14.9	14.8	15.0	15.0	15.0	15.8	16.8	10.5	Cn. m. y t., Ca. n.
14.9	14.9	14.8	15.0	15.0	15.0	15.8	16.5	2.5	Cn. m., Ca. t. y n., r. n.
15.0	15.0	14.9	14.9	15.0	15.0	15.8	16.7	0.9	Ca. m. t. y n., r. m.
15.4	15.4	15.4	15.2	15.2	15.2	15.8	16.6	9.5	Cn. m. y t., Ca. n., LL. m., R.CH. t.
15.4	15.4	15.4	15.1	15.2	15.1	15.8	16.7	4.7	Ca. m., Cn. t. y n., Dl. n.
15.4	15.4	15.4	15.1	15.2	15.3	15.8	16.7	9.2	Cn. m. t. y n., Z. m.
15.6	15.7	15.7	15.3	15.5	15.4	15.8	16.8	14.0	Cn. m., Ca. t. y n., Ne.Z. m., r. n.
16.0	16.2	16.1	15.4	15.4	15.5	15.9	16.7	4.6	Cn. m. t. y n., r. m. y n.
16.3	16.3	16.2	15.6	15.6	15.7	15.8	16.7	1.0	Ca. m. t. y n., r. m. y n.
16.5	16.7	16.6	15.7	15.7	15.7	15.8	16.8	3.8	Ca. m. y t., Cn. n., r. n.
17.0	17.2	17.2	15.7	15.9	15.9	15.8	16.7	11.2	Ca. m. y t., Cn. n.
17.4	17.5	17.3	16.0	16.4	16.1	16.0	16.8	11.5	Cn. m. t. y n., Z. m.
17.3	17.2	17.4	16.0	16.2	16.2	15.9	16.7	2.2	Cn. m., Ca. t. y n., r. n.
16.8	16.8	16.8	16.1	16.2	16.2	16.0	16.6	- 4.6	Ca. m. t. y n., r. n.
16.6	16.6	16.4	16.1	16.1	16.1	16.0	16.6	- 2.1	Cn. m., Ca. t. y n., r. m. y n.
16.6	16.8	16.5	16.1	16.2	16.2	16.0	16.7	0.9	Cn. m. y t., Ca. n., r. m. y n.
16.6	16.7	16.7	16.0	16.2	16.2	16.0	16.7	3.0	Ca. m. t. y n., r. m.
17.1	17.2	17.3	16.3	16.1	16.1	16.0	16.8	10.0	Ca. m., Cn. n., R. n.
17.7	17.7	17.7	16.2	16.3	16.3	16.1	16.8	14.0	Cn. m. y t., Ca. n., r. n.
17.8	17.7	17.5	16.5	16.5	16.5	16.0	16.8	6.0	Cn. m., Ca. t. y n., r. m. y n.
17.7	17.7	17.4	16.8	16.5	16.6	16.1	16.8	- 1.0	Ca. m. t. y n., r. m.
17.7	17.7	17.6	16.7	16.7	16.7	16.2	16.8	9.2	Ca. m. y n., Cn. t., CH.Z. t., N. n.
17.5	17.5	17.3	16.7	16.7	16.7	16.3	16.8	2.3	Ca. m. y t., Cn. n., r. m.
17.7	17.7	17.7	16.7	16.7	16.7	16.7	16.8	2.5	Ca. m. t. y n.
17.8	17.8	17.8	16.7	16.8	16.8	16.3	16.9	9.4	Ca. m., Cn. t. y n., Ru.LL. t., R. n.
17.8	17.8	17.8	16.8	16.8	16.8	16.4	16.9	7.5	Ca. m. t. y n.
16.4	16.4	16.3	15.8	15.8	15.8	16.0	16.7	5.7	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESIÓN ATMOSFÉRICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANÍA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mm. mb.	mm. mb.			mm. mb.			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	58.9	70.6	1	13	48.2	6	3-4	12.5	17.3	7.2	23.1	9	13	2.2	1	0	6.0	12.5	48
2ª	60.0	70.8	19	5	47.1	12	2-3	13.8	19.7	6.9	24.9	16	15-16	0.3	19	6	5.6	12.9	43
3ª	58.3	63.4	21	0	52.4	24	17	17.3	25.4	9.6	28.7	30	10-11	4.8	26	3-4	8.8	13.2	67
MES	59.0	70.8	19	5	47.1	12	2-3	14.6	20.9	7.9	28.7	30	10-11	0.3	19	6	6.9	12.9	53

DÉCADA	HUMEDAD DEL AIRE								VIENTO										LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas				Instantáneas				Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Velocidad Máxima	Dirección	Día	Hora					
	%	%		%		mm. mb.	mm. mb.	mm. mb.		Km/h	Km/h		Km/h			Km/h				mm.	mm.		mm.		
1ª	74	100	2	35	9	7.8	12.1	5.0	SW	16	36	2	32	2	10-11	68	SW	6	14.10	33.7	24.8	4	22.0	4	20-21
2ª	71	100	14	26	15	8.1	14.5	3.6	Calma	0	24	12	22	12	2-3	42	E	12	3.21	7.8	2.6	11, 15, 17	-	-	-
3ª	67	100	varios	20	28	9.2	17.0	3.4	NW	14	30	30	30	30	8-9	40	NW	30	10.48	8.4	6.5	30	2.5	30	14-15
MES	70	100	varios	20	28	8.4	17.0	3.4	NW	13	36	2	32	2	10-11	68	SW	6	14.10	49.9	24.8	4	22.0	4	20-21

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACIÓN							VIENTO - TORM. ELÉCT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1ª	6	-	1	1	-	-	-	2	3	-	1	-	-	-	1	-	1
2ª	9	-	1	-	-	-	-	-	3	-	-	-	-	-	1	-	-
3ª	10	2	-	1	-	-	-	1	1	-	1	-	-	-	1	1	2
MES	25	2	2	2	-	-	-	3	7	-	2	-	-	-	3	1	3

DÉCADA	FENOMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Congelada blanda	Congelada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
1ª	2	-	-	-	-	-	1	-	-	-	-	2	4	-	-	-
2ª	7	-	-	-	-	-	-	-	-	-	-	3	3	-	-	-
3ª	5	-	-	-	-	-	-	4	-	-	-	6	-	-	7	-
MES	14	-	-	-	-	-	1	4	-	-	-	11	7	-	7	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VI NOVIEMBRE 1951 Nº 11

RESUMEN MENSUAL

En el aire tropical que llegara en los últimos días del mes anterior alcanza la temperatura ya el primero su valor máximo mensual, con 31.7°C. El avance de aire más fresco el día 2, provoca intensa nubosidad, fuertes lluvias y vientos con ráfagas de hasta 72 Km/h. Al día siguiente un nuevo empuje de aire de origen polar, provoca una sensible caída de la temperatura (10° en 5 horas) y de la humedad absoluta (10 mm en 4 horas), llevando a ésta a su valor mínimo mensual de 3.8 mm y 23% de la humedad relativa. En esta aeromasa polar continental aclara rápidamente el cielo y sube la presión a su máximo mensual de 764.4 mm el 4. Hacia el fin de la década el estado atmosférico evoluciona normalmente al cambiar el viento al N; la temperatura y la humedad aumentan, manteniéndose el buen tiempo. Este desarrollo es interrumpido sólo por otro pasaje de un frente frío, el que ocasiona una ligera lluvia.

El día 10 aire tropical avanza hasta el centro de la Pcia. de Buenos Aires, tornándose el aire cada vez más inestable de modo que el 11, además de registrarse el máximo mensual de la tensión de vapor con 19.5 mm, se producen tormentas eléctricas y lluvias de intensidades extraordinarias (130 mm en 24 horas). Esta aeromasa es desplazada por otra corriente más fresca y seca el día 12. En los días siguientes, se mantiene el tiempo inestable con temperaturas inferiores a la normal y lluvias intermitentes. El 16 cambia la dirección prevalente del viento al N, con lo cual la temperatura y humedad aumentan y se mantienen hasta el fin de la década sobre sus valores normales respectivos.

La inestabilidad del tiempo se acentúa al principio de la última década cayendo lluvias con intensidades muy variadas el 21 y 22. En este último día a causa del desarrollo de una depresión sobre el litoral argentino, la presión disminuye a su valor mínimo mensual con 142.7 mm. En varios empujes llega el 22 y el 23 aire de origen polar; la temperatura baja en forma marcada y una vez tranquilizado el viento y aclarando el cielo se registra el 24 por la mañana la temperatura mínima mensual con 7.0°C; la humedad alcanza durante el mismo día otra vez su nivel mínimo. La temperatura se mantiene en esta aeromasa hasta el 26, bajo su término medio. Por advección de aire más cálido en los días siguientes, aumenta otra vez la temperatura y la humedad. En la noche del 29 al 30, pasa el último frente frío por el Observatorio, pero, aparte de producir ligeras lluvias durante el pasaje, no altera esencialmente el estado general del tiempo.

La presión relativamente baja (una desviación negativa 1.2 mm respecto a la normal), origina la frecuente advección de aeromasas calientes por lo cual el promedio de la temperatura es de 1.0°C sobre el término medio y la cantidad de lluvias es tres veces mayor que su normal.

POTENCIAL ATMOSFÉRICO en V/M.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	90	83	69	83	76	76	69	62	69	62	76	55	55	62	69
2	7	- 21	14	69	∞	83	76	-	-	-	-	21	145	159	159
3	69	83	62	-	-	-	-	-	104	76	110	124	34	14	- 28
4	152	145	172	166	138	117	117	193	328	207	117	41	34	48	62
5	83	83	152	152	131	124	131	152	152	159	97	124	117	131	124
6	90	90	104	76	55	110	117	138	131	166	152	152	138	138	138
7	83	97	97	69	69	90	107	145	138	107	107	107	97	97	97
8	110	83	76	69	90	124	179	159	179	152	138	145	104	90	83
9	90	90	110	97	97	107	117	110	124	124	110	110	83	83	76
10	55	55	62	76	- 76	402	± ∞	138	104	90	90	69	69	69	69
11	28	28	28	34	41	55	69	76	83	-289	- 41	-210	233	166	220
12	-	-	-	-	-	-	-	-	28	41	-	-	14	21	62
13	-	-	-	-	144	∞	∞	147	130	115	212	168	154	∞	122
14	-	-	-	-	-	-	-	220	265	213	159	104	97	124	138
15	55	83	117	124	97	76	28	- 55	28	124	110	131	97	104	104
16	104	117	200	117	193	193	246	193	159	207	138	124	97	138	131
17	83	76	41	- 83	83	69	∞	- 55	226	179	159	110	97	83	90
18	34	± ∞	-138	- 28	83	97	179	272	259	152	124	124	124	107	83
19	76	62	62	97	83	104	124	104	55	76	41	83	76	69	69
20	62	62	62	55	28	62	69	- 28	- 21	48	83	97	110	124	138
21	34	322	567	± ∞	± ∞	± ∞	∞	∞	- ∞	-104	159	104	316	69	∞
22	-	-	-	-	-	-	-110	62	83	69	117	83	90	69	97
23	69	62	55	34	62	83	97	83	83	90	83	76	62	55	48
24	55	62	76	76	55	97	104	104	104	104	76	69	76	69	62
25	117	55	28	- 14	48	391	179	97	110	172	124	97	83	97	97
26	90	76	76	69	69	83	83	69	62	69	76	69	62	-	-
27	69	69	76	55	69	97	152	97	131	124	117	110	90	97	97
28	62	48	55	76	110	233	226	117	83	69	69	62	48	48	41
29	28	48	28	28	28	48	83	83	69	62	55	48	41	41	34
30	62	48	55	55	48	62	90	97	110	124	138	124	138	145	152
31															
Prom.	81.5	79.6	95.6	88.3	89.7	109.7	123.7	102.2	114.8	118.5	100.0	97.2	85.6	90.7	90.2

RESUMEN DEL ESTADO ELÉCTRICO DEL AIRE

DÍAS	CONDUCTIBILIDAD "λ" . 10^{-4}				IONES LIVIANOS					
					número "n" por cm^3				velocidad	
	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-	n^+	n^-	$n^+ + n^-$	n^+ / n^-	K^+	K^-
1	1.16	1.05	2.21	1.10	780	575	1355	1.35	1.04	1.28
2	1.00	0.88	1.88	1.14	698	606	1304	1.15	1.00	1.01
3	0.96	0.95	1.91	1.01	687	469	1156	1.45	0.97	1.42
4	1.09	0.88	1.97	1.24	844	498	1342	1.69	0.91	1.23
5	1.10	0.93	2.03	1.18	807	621	1428	1.30	1.96	1.04
6	1.10	1.00	2.10	1.10	829	653	1482	1.27	0.93	1.07
7	1.13	0.92	2.05	1.23	834	538	1372	1.54	0.95	1.19
8	0.93	0.78	1.71	1.19	807	424	1231	1.90	0.80	1.29
9	1.16	1.00	2.16	1.16	-	469	469	-	-	1.49
10	1.24	1.12	2.36	1.11	817	598	1415	1.36	1.06	1.31
11	1.13	1.10	2.23	1.03	630	480	1110	1.31	1.26	1.61
12	1.10	1.04	2.14	1.06	551	390	941	1.41	1.40	1.87
13	0.74	0.68	1.42	1.08	526	354	880	1.49	0.98	1.34
14	0.76	0.68	1.44	1.12	368	324	692	1.13	1.44	1.47
15	0.96	0.79	1.75	1.21	594	326	920	1.82	1.13	1.69
16	0.77	0.62	1.39	1.24	480	319	799	1.51	1.13	1.35
17	0.94	0.82	1.76	1.15	613	439	1052	1.40	1.07	1.30
18	0.86	0.74	1.60	1.16	536	286	822	1.88	1.12	1.80
19	1.03	0.96	1.99	1.07	672	411	1083	1.63	1.07	1.63
20	0.83	0.80	1.63	1.04	568	418	986	1.36	1.02	1.34
21	1.09	0.97	2.06	1.12	757	752	1509	1.01	1.00	0.90
22	0.93	0.99	1.92	0.94	589	600	1189	0.98	1.10	1.15
23	1.02	0.87	1.89	1.17	576	424	1000	1.36	1.24	1.44
24	0.91	0.72	1.63	1.26	467	388	855	1.20	1.36	1.30
25	0.71	0.63	1.34	1.12	393	254	647	1.55	1.26	1.73
26	0.98	0.84	1.82	1.16	697	560	1257	1.24	0.98	1.05
27	0.96	0.82	1.78	1.17	748	548	1296	1.36	0.90	1.05
28	0.93	0.82	1.75	1.13	691	501	1192	1.38	0.94	1.14
29	0.72	0.61	1.33	1.18	514	314	828	1.64	0.98	1.35
30	0.63	0.59	1.22	1.07	447	324	771	1.37	0.99	1.27
31										
Prom.	0.97	0.86	1.83	1.12	629	456	1085	1.38	1.08	1.32

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplit.	Tipo de Curva
62	76	97	83	110	138	104	69	- 55	72.5	186	-138	324	1
179	166	124	117	110	124	110	117	110		∞	- ∞	-	3*
-110	-138	21	83	97	110	152	200	186		∞	- ∞	-	3*
62	69	104	272	226	152	110	90	97	134.1	477	14	463	0
124	90	117	110	131	138	110	104	97	122.2	233	34	199	0
166	172	-	-	-	-	-	-	-		∞	- ∞	-	3*
97	90	76	69	69	97	166	110	117	99.9	186	41	145	0
83	90	104	104	76	110	104	117	138	112.8	246	34	212	0
69	83	97	97	104	97	76	69	62	95.0	159	41	118	0
55	55	76	69	69	97	69	55	41		∞	- ∞	-	3*
226	-	-	-	-	-	-	-	-		∞	- ∞	-	3*
90	90	83	117	76	55	83	131	179		200	- 97	297	2*
∞	∞	48	78	2	19	-103	- 97	10		∞	- ∞	-	3*
138	124	110	83	110	152	-	-	-		297	69	228	0*
124	104	104	104	117	117	110	152	138	95.5	576	901	1477	1
172	131	124	131	145	179	138	104	110	149.6	333	00	333	0
95	152	110	186	186	-239	55	48	55		∞	- ∞	-	3*
97	83	62	69	131	179	83	69	69		∞	- ∞	-	3*
62	62	55	55	97	83	14	41	48	70.8	152	- 41	193	1
131	138	124	90	107	90	62	34	34	73.4	284	- 83	367	1
172	90	76	159	83	97	± ∞	± ∞	± ∞		∞	- ∞	-	3*
69	69	55	69	76	69	48	41	48		∞	- ∞	-	3*
28	21	21	48	62	62	55	48	55	60.1	166	- 28	194	1
48	28	- 55	104	131	159	145	131	124	83.5	374	-871	1245	1
97	69	97	97	145	145	152	145	124		634	-486	1120	2
-	- 21	76	380	193	124	69	83	83		∞	-609	-	3*
97	97	117	172	172	207	152	83	55	108.4	297	34	263	0
41	48	55	69	83	97	62	55	28	78.5	284	- 34	318	1
48	48	97	110	21	48	21	28	21		259	-138	397	2
166	166	166	166	138	69	41	48	48	102.3	220	- 7	227	1
91.1	86.2	87.1	.111.6	117.9	119.7	96.6	83.7	73.1	97.3				

IONES PESADOS número "N" por cm³				CORRIENTE VERTICAL "i" . 10^{-7} U.E.S.	NÚCLEOS AITKEN
N^+	N^-	$N^+ + N^-$	N^+ / N^-	por cm²	por cm³
3859	10000	13859	0.39	5.33	13,000
3973	10982	14955	0.36	-	12,750
3325	8273	11598	0.40	-	21,000
5159	6597	11756	0.78	8.84	7,250
3139	5182	8321	0.61	8.25	28,750
4035	6517	10552	0.62	-	27,000
3626	7380	11006	0.49	6.83	31,500
6293	9231	15524	0.68	6.44	25,000
2916	5104	8020	0.57	6.85	25,750
1832	6134	7966	0.30	-	44,750
3404	8759	12163	0.39	-	87,750
1793	5012	6805	0.36	-	-
4566	9874	14430	0.46	-	52,500
5648	8851	14499	0.64	-	61,750
3590	5832	9322	0.62	5.58	22,000
5308	7924	13232	0.42	6.92	37,750
3589	7587	11176	0.47	-	21,750
2371	8819	11190	0.27	-	19,000
6282	7180	13462	0.88	4.69	31,750
5943	11311	17254	0.53	4.00	57,750
3199	8636	11835	0.37	-	34,250
2690	6221	8911	0.43	-	9,000
3586	7729	11315	0.46	3.80	13,750
5948	9272	15220	0.64	4.55	18,250
7851	10892	18643	0.72	-	10,500
4750	7667	12417	0.62	6.58	-
3591	5084	8675	0.71	4.67	21,250
4834	7351	12185	0.66	-	17,750
5084	8838	13922	0.58	4.55	33,750
8644	12207	20851	0.71	-	69,250
4353	7973	12326	0.55	5.86	30,600

CONDUCTIBILIDAD POSITIVA $\lambda^+ . 10^{-4}$

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	0.83	1.33	1.37	0.97	1.13	1.25	1.32	1.32	1.38	1.38	1.35	1.32
2	1.54	1.09	0.93	1.24	1.36	1.18	0.66	0.53	0.43	1.71	1.31	1.28
3	0.70	0.50	0.79	0.96	1.34	0.74	1.14	1.15	0.99	1.39	1.16	0.91
4	0.99	1.13	0.77	0.78	1.22	1.11	1.67	0.79	0.75	0.79	0.77	1.08
5	1.11	1.45	1.33	1.21	1.42	1.39	1.42	1.04	1.00	1.02	0.97	1.04
6	1.39	1.43	1.34	1.53	1.23	1.27	1.34	1.29	1.19	1.15	0.93	0.90
7	1.57	1.44	1.56	1.43	1.29	1.62	1.49	1.39	0.90	0.91	0.79	0.84
8	0.70	0.99	1.13	1.11	1.31	1.37	0.91	1.00	0.81	0.86	0.61	0.75
9	1.04	1.36	1.14	1.14	1.03	1.20	1.13	1.34	1.34	1.08	1.02	0.87
10	0.54	0.63	0.59	0.39	1.42	1.38	0.71	0.88	1.27	1.29	1.24	1.09
11	1.24	1.46	1.49	1.68	1.76	1.86	1.71	1.49	1.41	0.65	0.50	0.48
12	-	-	-	-	-	-	-	-	-	-	-	1.41
13	1.03	0.72	0.69	0.37	0.84	0.73	0.81	0.90	0.69	0.51	0.45	0.45
14	-	-	-	-	-	-	-	-	0.56	0.52	0.66	0.93
15	1.35	1.15	0.79	0.92	0.73	0.74	1.05	0.47	0.86	1.36	1.26	0.95
16	0.84	0.86	0.73	0.55	0.47	0.57	0.65	0.59	0.75	0.86	0.84	0.95
17	1.12	0.92	1.04	0.86	1.05	0.93	0.97	0.89	0.85	0.75	0.94	1.04
18	0.94	0.86	0.64	0.71	0.94	0.84	0.91	0.89	0.89	0.98	0.94	0.87
19	0.95	0.67	0.77	0.68	0.85	0.94	0.96	1.14	1.40	1.23	1.25	1.02
20	1.10	1.14	0.85	0.77	0.60	0.56	0.96	0.39	0.69	0.58	0.57	0.79
21	1.36	1.75	1.44	1.10	1.99	0.58	0.94	0.93	0.99	1.14	1.25	1.23
22	1.02	0.52	0.99	0.77	0.76	0.23	0.40	0.60	0.60	1.13	1.23	1.21
23	0.89	0.67	1.03	1.15	1.00	0.98	1.33	1.22	1.01	0.88	0.83	0.93
24	1.13	0.94	1.02	0.94	0.91	1.03	1.03	1.18	1.05	0.91	0.81	0.93
25	0.63	0.54	0.56	0.51	0.51	0.59	0.62	0.83	0.95	0.76	0.84	0.73
26	1.00	1.28	1.43	1.19	1.25	1.20	1.32	1.15	1.18	0.96	1.03	1.15
27	0.98	0.93	1.07	1.17	1.27	1.24	1.11	0.95	1.16	1.26	0.96	1.01
28	0.86	1.13	1.32	1.53	0.76	0.48	0.50	-	-	-	-	-
29	0.65	0.95	0.65	0.57	0.66	0.76	0.79	-	-	-	-	-
30	-	-	-	-	-	-	-	0.69	0.76	0.63	0.63	0.65
31												
Promedio	1.06	1.07	1.05	1.01	1.08	0.99	0.98	0.90	0.96	0.99	0.93	0.96

CONDUCTIBILIDAD NEGATIVA $\lambda^- . 10^{-4}$

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	0.77	1.09	1.01	0.76	1.08	1.18	1.20	1.25	1.30	1.25	1.31	1.28
2	1.63	1.29	1.31	1.21	1.24	0.93	0.61	0.45	0.85	1.03	1.07	1.17
3	0.58	0.41	0.84	1.20	2.04	1.31	1.65	1.26	0.95	1.23	0.97	0.88
4	0.53	0.51	0.41	0.62	0.90	0.75	1.17	0.71	0.70	0.69	0.82	1.21
5	1.02	1.21	0.97	1.03	0.91	1.13	1.31	0.94	0.88	0.92	0.85	0.92
6	1.28	1.27	1.13	1.08	0.99	0.97	1.17	1.04	0.99	0.91	0.81	0.83
7	1.36	1.04	1.21	1.06	1.21	1.14	1.14	1.31	0.85	0.83	0.72	0.85
8	0.54	0.66	0.78	0.83	0.97	0.85	0.76	0.84	0.86	0.70	0.60	0.72
9	0.97	1.04	0.82	0.91	0.81	0.96	1.12	1.17	1.11	0.97	0.95	0.83
10	1.58	1.63	1.53	1.32	1.58	0.63	0.47	0.98	1.22	1.20	0.89	1.10
11	1.20	1.47	1.53	1.61	1.77	1.55	1.49	1.44	1.24	0.59	0.53	0.46
12	-	-	-	-	-	-	-	-	-	-	-	1.37
13	0.84	0.66	0.53	0.49	0.71	0.60	0.84	0.69	0.62	0.44	0.40	0.44
14	-	-	-	-	-	-	-	-	0.60	0.49	0.81	0.77
15	1.20	0.90	0.63	0.47	0.56	0.70	0.84	0.99	1.02	0.95	1.15	0.87
16	0.49	0.51	0.34	0.34	0.32	0.42	0.51	0.58	0.79	0.68	0.82	0.84
17	1.02	0.88	1.12	0.75	0.96	0.86	0.70	0.67	0.63	0.75	0.79	0.94
18	0.87	0.88	0.89	0.77	0.77	0.62	0.78	0.60	0.67	0.96	0.87	0.74
19	0.56	0.82	0.73	0.49	0.72	0.82	0.87	1.05	1.40	1.17	1.37	1.16
20	1.04	0.93	0.81	0.69	0.59	0.62	0.81	0.92	0.64	0.57	0.60	0.83
21	1.42	1.22	1.53	1.61	1.94	1.26	0.95	0.58	1.16	1.36	1.04	1.35
22	2.17	0.58	1.14	1.17	0.69	0.44	0.67	0.55	0.73	1.20	1.23	1.21
23	0.56	0.42	0.90	1.05	0.67	0.72	1.30	1.04	0.95	0.87	0.75	0.82
24	0.70	0.69	0.65	0.70	0.73	0.69	0.86	0.94	0.88	0.77	0.73	0.79
25	0.49	0.43	0.49	0.62	0.81	0.57	0.52	0.69	0.83	0.62	0.83	0.69
26	0.97	0.96	0.85	1.04	1.02	1.12	1.17	1.22	1.05	0.92	0.95	1.10
27	0.75	0.72	0.82	1.07	1.19	1.05	0.74	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	0.55	0.77	0.51	0.51	0.65	0.67	0.58	-	-	-	-	-
30	-	-	-	-	-	-	-	0.88	0.69	0.57	0.58	0.58
31												
Promedio	0.96	0.88	0.86	0.90	0.99	0.89	0.93	0.91	0.91	0.87	0.86	0.92

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
1.30	1.22	1.41	1.32	1.27	1.06	0.88	0.92	0.74	0.81	0.60	1.34	1.16
1.22	0.91	0.95	0.92	1.03	1.15	0.75	0.73	0.67	0.86	0.60	0.89	1.00
0.95	0.92	1.21	0.76	-	-	-	0.97	0.99	0.95	0.74	0.84	0.96
1.32	1.42	1.38	1.34	1.16	1.11	0.74	0.82	1.14	1.25	1.22	1.32	1.09
0.94	0.66	0.82	0.81	1.17	1.17	0.96	0.95	0.91	1.06	1.21	1.37	1.10
0.79	0.78	0.74	0.91	0.82	1.00	0.61	2.01	0.52	0.72	1.42	1.13	1.10
1.05	1.02	1.01	0.97	1.01	1.12	1.14	1.17	1.05	1.10	0.64	0.67	1.13
0.79	0.88	1.07	1.00	1.01	0.85	0.75	0.72	0.83	0.82	1.03	1.07	0.93
1.19	1.21	1.17	1.17	1.06	1.05	0.90	1.03	1.01	1.22	1.35	1.68	1.16
1.39	1.37	1.28	1.35	1.29	1.19	1.18	1.17	1.04	0.77	1.08	1.27	1.24
1.14	0.64	0.50	0.52	0.70	-	-	-	-	-	-	-	1.13
1.34	1.34	1.41	1.23	1.05	1.07	1.09	0.76	0.82	0.96	0.90	0.92	1.10
0.58	0.55	0.50	0.73	0.62	0.53	0.91	1.24	1.29	1.13	0.74	-	0.74
0.94	0.69	0.51	0.87	0.88	0.89	1.05	0.44	0.50	0.58	0.81	1.25	0.76
1.15	1.51	1.07	1.02	0.92	0.97	0.65	1.05	0.70	0.67	0.78	0.83	0.96
0.79	0.76	0.75	0.81	0.87	0.59	1.12	0.76	0.72	0.82	0.93	0.99	0.77
1.16	1.10	1.02	1.04	1.14	1.29	0.75	0.34	0.65	0.57	0.99	1.06	0.94
0.85	0.90	0.72	0.92	1.02	1.15	1.22	0.44	0.81	0.97	0.64	0.50	0.86
1.01	1.35	1.17	1.24	1.31	1.12	1.15	0.93	0.59	0.92	1.06	1.05	1.03
0.96	0.84	0.98	0.97	0.79	0.60	0.57	0.63	0.52	0.92	1.50	1.61	0.83
1.44	1.28	1.52	1.08	1.17	1.20	0.94	0.72	0.85	0.53	0.40	0.44	1.09
1.14	1.12	0.98	1.27	0.94	1.15	1.01	1.17	1.01	0.93	0.91	1.16	0.93
0.97	1.02	0.93	0.84	0.99	1.14	0.94	0.93	1.27	1.06	1.08	1.27	1.02
1.02	0.84	0.91	0.81	0.83	0.99	1.31	0.58	0.55	0.56	0.64	0.82	0.91
0.79	0.80	0.76	0.72	0.51	0.58	0.64	0.64	0.81	0.81	0.91	0.91	0.71
1.15	1.18	1.08	0.95	1.02	1.02	0.37	0.34	0.17	0.51	0.71	0.89	0.98
0.99	1.15	1.16	1.11	1.02	0.95	0.90	0.56	0.14	0.36	0.73	0.95	0.96
-	0.85	1.23	1.19	1.13	1.13	1.30	0.79	0.59	0.49	0.76	0.63	0.93
-	-	-	-	-	-	-	-	-	-	-	-	0.72
0.69	0.72	0.63	0.41	0.50	0.42	0.45	0.48	0.61	0.71	0.81	0.87	0.63
1.04	1.00	1.00	0.98	0.97	0.98	0.90	0.83	0.77	0.82	0.90	1.02	0.97

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
1.25	1.18	1.34	1.25	1.21	0.73	0.74	0.67	0.58	0.63	0.65	1.59	1.05
0.99	0.82	0.80	0.71	0.98	0.73	0.53	0.56	0.47	0.64	0.42	0.65	0.88
0.91	0.94	0.98	0.96	-	-	-	0.69	0.85	0.57	0.42	0.40	0.95
1.30	1.39	1.26	1.21	1.09	0.76	0.49	0.63	0.82	1.00	1.09	0.96	0.88
0.76	0.63	0.64	0.69	1.05	0.86	0.83	0.76	0.81	0.85	1.12	1.15	0.93
0.76	0.76	0.67	0.69	0.76	0.63	1.17	1.43	0.77	0.99	1.26	1.55	1.00
0.87	0.94	0.87	0.83	0.93	0.92	0.75	1.05	0.78	0.51	0.36	0.49	0.92
0.74	0.87	0.95	1.03	0.91	0.72	0.58	0.67	0.68	0.69	0.78	1.02	0.78
0.98	1.05	0.94	1.07	1.02	0.88	0.80	0.82	0.90	1.17	1.29	1.47	1.00
1.25	1.26	1.08	1.31	1.14	1.07	1.05	1.02	0.78	0.64	0.92	1.17	1.12
1.17	0.53	0.47	0.59	1.07	-	-	-	-	-	-	-	1.10
1.20	1.58	1.37	1.18	1.00	0.97	0.85	0.63	0.76	0.78	0.89	0.91	1.04
0.51	0.46	0.42	0.55	0.44	0.46	0.74	0.95	1.21	1.05	1.52	-	0.68
0.81	0.56	0.47	0.71	0.83	0.83	0.72	0.52	0.40	0.44	0.74	1.19	0.68
1.14	1.33	0.98	0.89	0.80	0.85	0.51	0.43	0.39	0.35	0.54	0.41	0.79
0.68	0.63	0.63	0.64	0.87	0.60	0.97	0.65	0.53	0.62	0.80	0.74	0.62
1.08	0.89	0.87	0.89	0.92	1.04	0.44	0.24	0.88	0.55	0.74	1.01	0.82
0.67	0.69	0.79	0.90	0.84	1.05	0.76	0.26	0.71	0.67	0.56	0.33	0.74
1.14	1.22	1.22	1.17	1.24	0.89	0.95	0.56	0.41	0.64	0.92	0.98	0.94
0.90	0.92	1.01	0.88	0.73	0.53	0.44	0.44	0.46	0.89	1.41	1.42	0.80
0.85	1.17	0.54	1.05	1.01	0.98	0.58	0.60	0.65	0.46	0.39	0.57	0.97
1.10	1.10	1.21	1.14	1.03	1.09	1.02	0.96	0.85	0.84	0.85	0.84	0.99
0.91	0.96	0.87	0.92	0.98	1.07	0.88	0.76	0.81	0.72	0.88	1.10	0.87
0.86	0.65	0.72	0.72	0.93	1.07	0.81	0.37	0.34	0.36	0.53	0.70	0.72
0.69	0.72	0.64	0.60	0.46	0.49	0.62	0.58	0.67	0.69	0.72	0.76	0.63
1.05	0.77	0.73	0.68	0.97	0.99	0.25	0.27	0.16	0.47	0.60	0.73	0.84
-	-	-	-	-	-	-	-	-	-	-	-	0.82
-	0.96	1.18	1.10	0.98	1.05	1.05	0.60	0.51	0.41	0.58	0.55	0.82
-	-	-	-	-	-	-	-	-	-	-	-	0.61
0.62	0.64	0.49	0.37	0.46	0.37	0.40	0.47	0.64	0.67	0.74	0.91	0.59
0.93	0.92	0.86	0.88	0.91	0.83	0.73	0.65	0.66	0.68	0.80	0.91	0.86

IONES LIVIANOS POSITIVOS "n^+" por cm^3

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	608	608	608	521	782	868	955	1035	1154	1075	1075	1035
2	955	707	782	868	677	738	563	391	390	942	871	1355
3	521	608	614	347	821	111	745	782	651	1275	1035	955
4	521	521	390	477	434	434	1435	995	1075	868	1035	1234
5	707	608	563	707	782	868	1074	1155	1314	1314	1705	1194
6	869	868	652	744	788	788	1035	1115	1275	1195	1115	955
7	955	955	955	831	787	868	991	1635	1275	1314	1115	868
8	347	614	695	614	707	563	657	1355	1154	1075	995	782
9	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	1115	1075
11	744	782	782	782	868	782	951	1075	1075	390	477	871
12	86	86	86	86	86	86	-	-	782	825	868	782
13	868	645	347	260	347	303	521	651	695	347	434	434
14	390	527	303	347	174	217	390	744	390	217	304	707
15	782	657	390	303	260	260	347	1022	614	911	868	992
16	434	434	347	260	217	260	390	478	695	477	614	708
17	608	477	521	434	614	347	434	521	608	782	731	955
18	565	614	440	434	608	521	249	614	868	825	658	608
19	434	434	390	434	434	614	1115	1035	952	707	744	744
20	614	477	564	434	347	347	868	955	608	608	608	608
21	782	738	912	707	1111	652	1075	868	608	608	738	955
22	861	652	570	871	657	434	434	521	347	521	608	608
23	434	434	434	434	434	434	614	995	1194	955	955	868
24	173	130	260	303	347	390	260	434	690	1115	868	614
25	260	174	260	347	260	347	347	390	707	434	478	260
26	707	658	614	862	658	695	912	955	1075	1035	992	868
27	707	521	909	782	347	782	868	1035	782	-	-	-
28	-	-	-	-	-	-	-	782	1035	1115	955	868
29	347	477	347	217	347	434	477	787	868	868	911	868
30	521	488	260	260	260	260	347	782	564	521	521	521
31												
Promedio	585	552	518	506	524	496	694	856	837	827	839	832

IONES LIVIANOS NEGATIVOS "n^-" por cm^3

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	150	226	376	188	451	639	867	1052	1188	1086	976	828
2	940	789	676	676	490	451	376	451	-	-	-	-
3	-	-	-	-	-	-	-	639	376	905	752	752
4	75	75	75	75	75	75	850	864	976	752	905	1052
5	226	269	226	269	312	489	936	1897	1930	1320	1188	1662
6	526	526	300	226	150	301	828	902	1154	1048	976	752
7	608	376	413	338	419	451	677	1254	1320	1154	1052	828
8	75	75	150	150	231	226	381	1086	941	840	752	639
9	231	226	188	344	269	376	602	902	1052	976	940	301
10	601	714	676	451	713	188	608	790	898	1048	898	940
11	602	752	752	676	752	602	639	752	715	339	526	707
12	75	75	75	75	75	75	-	-	-	602	602	602
13	639	419	150	193	113	75	301	601	526	219	312	312
14	940	752	198	231	75	113	301	419	451	312	451	602
15	526	526	150	75	188	188	338	676	451	300	564	639
16	75	75	75	75	75	75	113	413	714	601	752	752
17	451	376	526	439	376	269	451	564	382	676	677	714
18	312	1055	457	338	301	150	113	150	382	608	376	312
19	150	150	150	150	188	231	785	790	790	451	526	526
20	526	269	344	150	113	144	790	1052	790	526	451	488
21	714	442	75	888	923	1390	1867	2000	2135	752	677	826
22	-	1027	1341	1865	1865	1103	526	75	113	376	344	344
23	188	75	226	269	75	150	457	1235	1188	1115	752	639
24	150	150	75	75	226	150	263	526	828	714	828	905
25	75	150	188	267	344	269	113	194	419	269	312	269
26	269	376	376	382	376	451	828	828	976	905	828	676
27	526	526	608	526	526	526	601	-	-	-	-	-
28	-	-	-	-	-	-	-	676	828	828	828	752
29	226	269	312	113	226	188	75	489	782	602	676	602
30	376	338	150	150	150	150	213	752	451	376	376	451
31												
Promedio	380	396	332	345	360	339	552	787	843	704	689	674

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
825	744	825	782	782	707	657	608	521	608	434	911	780
1235	608	608	744	521	707	521	434	521	564	521	521	698
868	782	744	-	-	-	-	782	707	434	434	521	687
1275	1194	1234	1115	1194	1275	707	521	707	434	782	390	844
483	390	521	478	561	782	707	608	707	658	707	782	807
782	707	563	787	707	521	738	1115	434	477	521	738	829
868	911	825	782	782	390	614	608	434	434	390	434	834
787	955	-	-	-	-	-	-	-	-	-	-	807
-	-	-	-	-	-	-	-	-	-	-	-	-
1035	911	955	868	868	860	787	608	564	434	608	744	817
734	651	477	347	521	782	825	260	130	174	478	174	630
911	1035	868	707	707	608	608	564	608	434	564	744	551
825	652	521	434	174	390	738	782	868	390	744	260	526
390	521	303	260	75	174	434	390	174	303	390	707	368
825	707	707	658	608	608	477	521	434	434	434	434	594
608	658	608	521	521	434	564	521	390	390	521	477	480
955	955	782	707	745	657	434	390	390	608	434	521	613
608	521	390	521	608	608	521	390	390	434	434	434	536
825	868	995	955	868	707	434	434	347	390	564	695	672
608	608	608	521	521	390	347	347	347	565	868	868	568
1354	1115	1194	822	825	707	521	434	434	260	217	521	757
608	707	955	608	608	521	434	521	521	521	521	521	589
608	782	173	608	608	608	260	565	434	217	390	390	576
955	744	707	608	260	614	434	347	260	260	260	174	467
217	-	565	608	434	608	434	434	434	434	434	565	393
955	782	695	303	822	868	217	347	86	347	608	658	697
-	-	-	-	-	-	-	-	-	-	-	-	748
564	825	868	868	868	695	608	434	347	347	347	217	691
707	658	521	521	390	260	347	303	434	477	434	347	514
658	608	521	434	347	347	347	347	390	434	521	477	447
788	736	694	637	613	609	528	519	445	424	502	527	629

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
752	676	676	676	602	269	312	188	226	226	226	940	575
-	-	-	-	-	-	-	-	-	-	-	-	606
790	676	602	451	451	376	376	451	150	75	75	75	469
976	828	905	905	752	676	150	188	150	188	226	150	498
494	231	382	231	526	386	344	188	226	313	376	488	621
488	376	312	416	344	194	1371	2140	682	451	490	714	653
602	676	564	300	526	376	269	113	150	150	150	150	538
601	744	787	602	451	312	188	150	188	226	188	188	424
676	526	451	526	451	312	188	150	226	376	451	526	469
828	752	676	639	676	451	269	226	188	226	376	526	598
602	344	344	312	226	-	905	75	113	150	75	75	480
602	714	828	714	526	526	376	312	301	344	269	423	390
752	419	188	269	226	150	376	338	526	526	488	376	354
564	488	269	150	150	226	188	226	150	75	150	301	326
639	451	451	376	312	312	188	75	75	150	113	75	326
564	526	526	376	376	226	312	150	113	150	269	269	319
676	602	526	451	376	301	188	226	413	338	269	269	439
312	312	150	269	312	312	150	150	113	75	75	75	286
526	564	716	752	489	226	75	150	150	376	457	489	411
413	451	413	376	269	226	226	226	226	312	639	608	418
565	1148	193	601	376	344	226	188	188	150	150	1220	752
451	602	902	451	376	312	312	312	312	226	312	150	600
526	451	413	451	376	376	312	226	113	150	188	226	424
782	601	526	376	489	678	226	150	150	150	150	150	388
312	312	382	414	312	451	269	226	226	75	75	168	254
676	376	451	1460	677	451	150	226	226	376	451	344	560
-	-	-	-	-	-	-	-	-	-	-	-	548
451	601	639	639	602	489	188	150	150	113	269	312	501
451	413	376	312	269	150	150	150	188	312	269	226	314
526	451	451	312	226	226	150	226	150	376	376	382	324
593	547	503	493	419	346	301	270	217	238	272	353	456

IONES PESADOS POSITIVOS "N^+" por cm^3

Días \ Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	3585	1795	2690	3585	3585	1795	1795	898	898	898	898	898
2	5380	-	3585	4490	9860	4490	-	-	-	-	-	-
3	5380	3585	3585	-	898	1795	-	1795	1795	1795	898	3585
4	5380	5380	11690	8060	6295	4490	3585	6295	7180	3585	5380	2690
5	5380	2690	2690	4490	3585	3585	3585	2690	2690	3585	898	1795
6	1795	898	898	1795	2690	3585	1795	3585	1795	1795	3585	5380
7	898	898	898	898	898	898	898	898	1795	3585	5380	3585
8	9860	7180	7180	6295	6295	8950	10770	6295	8950	5380	6295	7180
9	6295	5380	4490	3585	4490	3585	3585	2690	3585	1795	1795	1795
10	1795	898	1795	1795	2690	1795	2690	2690	1795	898	898	898
11	898	898	1795	1795	1795	898	898	1795	1795	6295	3585	2690
12	898	1795	1795	898	898	1795	-	-	-	898	898	1795
13	898	898	4490	898	-	898	898	-	4490	11690	9860	8950
14	898	898	898	898	5380	2690	2690	3585	6295	7180	6295	1795
15	898	1795	4490	3585	3585	3585	3585	7180	1795	898	1795	2690
16	4490	5380	6295	7180	9860	9860	6295	5380	4490	8060	4490	1795
17	1795	1795	3585	2690	1795	5380	3585	5380	2690	6295	7180	1795
18	898	2690	1795	1795	898	1795	2690	2690	898	898	3585	4490
19	-	-	-	-	-	-	-	-	-	-	-	-
20	3585	3585	3585	4490	8950	11690	5380	1795	1795	5380	11690	7180
21	1795	1795	898	898	898	898	1795	898	898	1795	898	1795
22	3585	5380	898	4490	3585	3585	8950	-	-	-	-	898
23	3585	5380	3585	2690	3585	4490	2690	1795	2690	2690	3585	4490
24	4490	4490	5380	5380	3585	4490	4490	1795	2690	3585	5380	4490
25	11690	12590	10770	5380	3585	14350	10770	3585	2690	5380	6295	7180
26	4490	3585	2690	1795	1795	2690	2690	1795	898	1795	1795	1795
27	4490	5380	4490	2690	898	2690	3585	3585	2690	2690	3585	1795
28	898	1795	1795	1795	1795	7180	10770	1795	-	1795	2690	-
29	6295	2690	7180	5380	11690	5380	5380	1795	898	1795	2690	1795
30	3585	2690	12590	11690	12590	12590	12590	898	6295	8060	10770	7180
31												
Promedio	3652	3365	4086	3622	4230	4548	4555	2830	2979	3722	4189	3422

IONES PESADOS NEGATIVOS "N^-" por cm^3

Días \ Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	10770	8950	8950	10770	11690	8950	8950	11690	7180	4490	-	-
2	-	-	13430	14350	-	-	-	-	-	-	-	-
3	7180	-	-	5380	3585	10770	-	8950	7180	10770	11690	-
4	8950	11690	-	7180	-	9860	9860	11690	3585	11690	8950	1795
5	10770	6295	6295	5380	5380	7180	6295	5380	6295	898	-	1795
6	4490	3585	4490	8060	6295	8060	7180	7180	5380	4490	6295	10770
7	4490	4490	2690	7180	5380	8950	-	-	5380	9860	5380	10770
8	11690	11690	9860	8060	8950	8060	17050	6295	8950	8060	8060	8950
9	7180	5380	4490	4490	8060	8060	4490	7690	6295	3585	5380	3585
10	5380	2690	2690	4490	5380	3585	16130	9860	5380	-	-	-
11	2690	7180	5380	10770	5380	7180	5380	2690	10770	15250	7180	12590
12	3585	3585	2690	3585	3585	2690	-	-	-	1795	1795	3585
13	-	-	-	-	-	1795	3585	-	8060	18870	16130	10770
14	8950	3585	-	8950	8950	7180	11690	6295	10770	9860	6295	5380
15	3585	4490	6295	4490	4490	6295	3585	8950	5380	3585	3585	7180
16	6295	7180	7180	10770	13430	14350	6295	5380	8060	12590	4490	4490
17	5380	7180	4490	7180	7180	7180	8060	7180	8950	9860	7180	6295
18	8060	14350	8060	8950	7180	7180	-	7180	10770	-	8060	11690
19	-	-	-	-	-	-	-	-	-	-	-	-
20	7180	8950	5380	8950	12590	12590	9860	8060	-	-	14350	11690
21	6295	3585	8060	3585	-	2690	6295	-	12590	-	-	8950
22	5380	-	8060	-	-	5380	6295	-	-	-	-	8950
23	8950	8060	8060	8060	6295	7180	5380	7180	7180	9860	8060	7180
24	6295	8060	7180	7180	7180	8060	7180	8060	6295	10770	6295	6295
25	14350	16130	11690	5380	12590	16130	8950	8060	7180	8060	6295	10770
26	8950	4490	5380	3585	3585	5380	5380	2690	4490	7180	6295	4490
27	6295	7180	4490	3585	4490	3585	5380	4490	3585	3585	6295	5380
28	-	-	-	-	-	-	-	-	8950	-	-	-
29	-	-	-	14350	12590	8950	8950	8060	10770	5380	-	-
30	4490	-	22400	21520	21520	22400	15250	3585	-	10770	6295	5380
31												
Promedio	7105	7217	7291	7932	8076	8136	8151	7118	7476	8239	7350	7336

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
15250	3585	1795	898	1795	12690	5380	8060	8950	7180	9860	-	3859
-	7180	1795	-	898	2690	7180	3585	1795	1795	898	-	3973
1795	2690	-	-	-	-	-	2690	3585	6295	7180	7180	3325
1795	1795	898	1795	2690	1795	8950	10770	7180	5380	5380	5380	5159
3585	4490	1795	3585	1795	1795	-	4490	4490	2690	-	2690	3139
6295	7180	8060	8060	5380	8950	14350	3585	1795	1795	898	898	4035
3585	2690	2690	3585	3585	2690	3585	4490	7180	8060	10770	12590	3626
7180	3585	1795	2690	3585	4490	5380	8060	8950	6295	4490	6295	6293
1795	898	898	1795	1795	2690	2690	4490	4490	1795	1795	1795	2916
898	898	898	898	898	898	898	3585	5380	4490	2690	898	1832
2690	11690	7180	898	8060	4490	6295	6295	898	5380	898	1795	3404
898	1795	898	3585	1795	1795	1795	4490	1795	3585	2690	898	1795
5380	5380	8950	10770	8060	10770	1795	1795	898	898	898	898	4566
1795	5380	10770	12590	9860	7180	7180	9860	10770	12590	7180	898	5648
1795	2690	2690	2690	4490	2690	3585	4490	5380	6295	7180	6295	3590
3585	6295	7180	5380	2690	3585	5380	5380	4490	3585	3585	2690	5308
1795	2690	2690	1795	1795	1795	6295	8060	4490	4490	4490	1795	3589
3585	4490	-	-	-	-	-	-	-	-	-	-	2371
-	-	-	-	-	-	-	-	-	10770	4490	3585	6282
6295	7180	4490	7180	7180	8950	9860	8950	8950	1795	898	1795	5943
1795	898	2690	898	2690	3585	6295	7180	5380	17950	8950	-	3199
898	898	898	898	1795	898	2690	3585	2690	2690	2690	1795	2690
3585	3585	3585	2690	1795	1795	2690	3585	8950	5380	3585	3585	3586
3585	5380	6295	5380	6295	5380	5380	11690	12590	12590	10770	7180	5948
5380	3585	4490	5380	11690	11690	9860	8950	8060	8950	8950	7180	7851
1795	1795	7180	898	3585	3585	11690	18870	18870	8950	5380	3585	4750
1795	1795	1795	1795	898	898	3585	5380	12590	12590	2690	1795	3591
8950	-	1795	-	-	2690	3585	-	13430	7180	5380	11690	4834
898	2690	1795	898	3585	15250	15250	14350	3585	3585	3585	3585	5084
7180	6295	8950	11690	12590	12590	13430	10770	10770	4490	4490	2690	8644
3781	3911	3887	3949	4280	4752	6348	6944	6728	6190	4741	3758	4353

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
-	-	8950	16130	-	12590	-	-	-	-	-	-	10000
-	-	8060	10770	12590	16130	8950	8060	10770	8950	8950	10770	10982
-	7180	6295	-	-	-	-	5380	7180	12590	11690	-	8273
2690	3585	898	8060	4490	2690	-	-	-	-	-	4490	6597
3585	3585	5380	3585	2690	4490	-	5380	6295	5380	6295	5380	5182
11690	9860	9860	-	-	-	-	7180	2690	-	3585	2690	6517
7180	7180	5380	4490	6295	6295	4490	7180	9860	8950	16130	14350	7380
8950	15250	7180	3585	6295	8060	11690	9860	12590	7180	8060	7180	9231
2690	3585	4490	1795	5380	5380	8950	5380	6295	1795	2690	5380	5104
4490	-	5380	1795	2690	5380	8950	9860	10770	-	8950	2690	6134
13430	13430	11690	15250	14350	5380	8950	8060	12590	6295	10770	3585	8759
1795	5380	4490	-	5380	8950	10770	-	8950	-	12590	-	5012
12590	12590	13430	10770	14350	7180	-	12590	4490	6295	-	4490	9874
3585	9860	16130	13430	11690	7180	7180	9860	15250	13430	5380	2690	8851
6295	4490	4490	4490	7180	4490	6295	6295	8950	7180	8950	8950	5832
6295	8950	8950	8950	7180	3585	6295	8950	10770	5380	7180	7180	7924
4490	8950	5380	4490	7180	8060	12590	10770	10770	8060	7180	8060	7587
9860	4490	-	-	-	-	-	-	-	-	-	-	8819
-	-	-	-	-	-	-	-	-	-	-	7180	7180
18870	13430	11690	12590	-	17950	16130	20350	8950	7180	6295	4490	11311
14350	10770	-	5380	8060	11690	14350	14350	7180	-	-	-	8636
4490	2690	3585	1795	7180	-	7180	8060	8950	7180	8060	6295	6221
7180	7180	5380	5380	7180	7180	5380	-	8950	6295	5380	5380	7729
8060	8950	8060	8950	6295	6295	11690	17950	14350	12590	16130	14350	9272
7180	11690	-	10770	10770	12590	11690	12590	11690	12590	12590	10770	10892
4490	3585	12590	14350	6295	7180	11690	25150	17050	9860	5380	4490	7667
3585	5380	3585	-	-	5380	-	-	-	8950	-	6295	5084
-	-	-	-	-	-	6295	-	-	7180	8950	5380	7351
-	8060	-	6295	-	-	-	14350	5380	8950	8060	3585	8838
10770	8950	15250	-	8950	-	-	-	11690	14350	6295	9860	12207
7441	7962	7774	7868	7737	7914	9448	10838	9684	8114	8501	6638	7973

COMPONENTE NORTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	15.1	15.1	13.6	15.1	9.1	4.5	3.0	3.0	10.6	13.6	19.7	13.6	15.1
2	9.1	15.1	18.1	16.6	13.6	10.6	9.1	10.6	19.7	21.2	13.6	10.6	9.1
3	15.1	13.6	16.6	25.7	40.8	9.1	1.5	3.0	4.5	- 1.6	3.0	6.0	12.1
4	1.5	1.5	1.5	- 1.6	- 4.7	- 4.7	- 9.5	-11.1	-11.1	- 4.7	1.5	1.5	-14.3
5	-14.3	- 8.0	-12.7	- 9.5	-12.7	-17.1	-20.7	-	-	- 4.7	- 1.6	- 4.7	- 3.2
6	- 9.5	-11.1	-11.1	- 9.5	-11.1	-17.5	-20.7	- 9.5	1.5	- 1.6	- 8.0	-11.1	- 8.0
7	- 9.5	- 9.5	- 8.6	- 8.6	-11.1	-22.3	-11.1	- 9.5	- 8.0	- 3.2	- 3.2	- 8.0	-11.1
8	- 6.4	- 6.4	- 6.4	- 6.4	-10.6	-18.1	-16.6	-	-	-	- 1.6	- 3.2	- 8.0
9	- 4.7	- 6.4	- 4.7	- 3.2	- 4.7	-11.1	-12.7	-11.1	- 1.6	3.0	- 1.6	- 9.5	- 4.7
10	3.0	1.5	1.5	1.5	- 8.0	-11.1	-14.3	- 9.5	- 3.2	- 1.6	1.5	3.0	3.0
11	- 1.6	1.5	1.5	1.5	- 3.2	- 9.5	- 9.5	- 6.4	- 1.6	6.0	10.6	4.5	3.0
12	-	-	-	-	-	-	-	-	-	-	-	-	- 9.5
13	-42.9	-35.0	-33.4	-31.8	-31.8	-41.3	-41.3	-33.4	-19.1	-25.1	-30.2	-19.1	-44.5
14	-38.2	-28.6	-31.8	-33.4	-30.2	-42.9	-36.6	-25.4	-19.1	-20.7	-20.7	-33.4	-28.6
15	-30.2	-27.0	-33.4	-25.4	-31.8	-35.0	-33.4	-20.7	-19.1	-23.8	-28.6	-33.4	-36.6
16	-	-	-	-	-	-	-	-	4.5	-17.5	-22.3	-23.8	-27.0
17	-20.7	-30.2	-27.0	-25.4	-25.4	-31.8	-33.4	-38.2	-27.0	-20.7	-11.1	-11.1	- 9.5
18	-22.3	-15.9	-17.5	-17.5	-20.7	-22.3	-25.4	-27.0	-19.1	- 9.5	- 9.5	-15.9	-19.1
19	-22.3	- 9.5	-12.7	-11.1	-17.5	-23.8	-23.8	-	-	-	-11.1	- 6.4	-20.7
20	-11.1	- 9.5	- 9.5	- 8.0	-11.1	-11.1	-12.7	- 9.5	- 4.7	- 1.6	- 3.2	- 4.7	-14.3
21	- 8.0	-11.1	- 8.0	- 4.7	- 9.5	-17.5	-17.5	-14.3	- 8.0	1.5	1.5	- 1.6	- 8.0
22	- 4.7	- 3.2	- 1.6	- 1.6	-12.7	-31.8	-27.0	-25.4	-15.9	-11.1	-15.9	-14.3	-14.3
23	3.0	- 8.0	- 8.0	- 1.6	- 8.0	-17.5	-11.1	- 6.4	- 4.7	3.0	3.0	- 9.5	- 8.0
24	1.5	- 1.6	- 1.6	- 1.6	- 9.5	-15.9	-15.9	- 6.4	- 4.7	7.6	6.0	- 3.2	- 8.0
25	1.5	1.5	- 1.6	1.5	3.0	- 1.6	- 6.4	3.0	6.0	7.6	7.6	- 3.2	3.0
26	- 6.4	6.0	4.5	6.0	- 1.6	- 6.4	- 8.0	- 3.2	4.5	6.0	- 1.6	- 3.0	-10.6
27	3.0	1.5	3.0	6.0	- 1.6	- 4.7	- 8.0	- 4.7	3.0	-11.1	6.0	6.0	6.0
28	3.0	3.0	3.0	6.0	1.5	- 1.6	- 1.6	- 1.6	4.5	12.1	4.5	6.0	- 3.2
29	1.5	1.5	4.5	6.0	3.0	- 4.7	- 3.2	- 1.6	4.5	13.6	- 1.6	24.2	4.2
30	3.0	3.0	3.0	3.0	3.0	1.5	- 4.7	- 1.6	9.1	13.6	6.0	18.1	7.6
31													
Prom	- 6.9	- 5.6	- 5.7	- 4.0	- 7.3	-14.1	-14.7	- 9.9	- 3.5	- 1.8	- 3.0	- 4.3	- 8.3
Var.	2.5	3.8	3.7	5.4	2.1	- 4.7	- 5.3	- 0.5	5.9	7.6	6.4	5.1	1.1

COMPONENTE ESTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	17.1	20.0	17.1	17.1	10.0	4.3	7.1	8.6	8.6	8.6	11.4	18.5	14.2
2	18.5	22.8	20.0	20.0	10.0	7.1	10.0	8.6	12.8	14.2	17.1	10.0	11.4
3	18.5	21.4	18.5	11.4	1.4	4.3	4.3	12.8	8.6	12.8	2.8	5.7	1.4
4	4.3	8.6	7.1	11.4	5.7	7.1	4.3	1.4	- 2.8	- 5.7	- 1.4	- 2.8	1.4
5	2.8	12.8	10.0	7.1	- 2.8	- 4.3	- 1.4	1.4	- 2.8	- 1.4	- 2.8	- 2.8	- 1.4
6	12.8	14.2	10.0	11.4	4.3	- 4.3	- 1.4	5.7	7.1	8.6	2.8	2.8	2.8
7	7.1	11.4	8.6	8.6	- 5.7	-10.0	- 4.3	1.4	- 2.8	- 1.4	- 2.8	- 2.8	- 1.4
8	7.1	11.4	10.0	7.1	1.4	- 7.1	- 2.8	-	-	-	- 2.8	4.3	2.8
9	7.1	11.4	11.4	8.6	- 2.8	- 1.4	2.8	10.0	10.0	8.6	5.7	10.0	5.7
10	14.2	14.2	12.8	12.8	2.8	1.4	1.4	2.8	5.7	5.7	4.3	7.1	8.6
11	11.4	15.7	14.2	15.7	14.2	12.8	10.0	8.6	4.3	4.3	1.4	2.8	4.3
12	-	-	-	-	-	-	-	-	- 7.1	- 7.1	- 8.5	- 8.5	- 7.1
13	-17.0	-31.2	-19.9	-25.6	-38.3	-42.6	-39.8	-32.7	-32.7	-29.8	-38.3	-34.1	-35.5
14	-29.8	-31.2	-34.1	-39.8	-45.4	-52.5	-49.7	-39.8	-39.8	-36.9	-39.8	-39.8	-39.8
15	-21.3	-19.9	-24.1	-22.7	-36.9	-38.3	-38.3	-25.6	-28.3	-25.6	-25.6	-24.1	-29.8
16	1.4	5.7	2.8	2.8	- 8.5	- 5.7	- 8.5	1.4	1.4	1.4	1.4	- 1.4	- 2.8
17	11.4	12.8	11.4	8.6	- 5.7	- 7.1	- 4.3	- 4.3	- 5.7	- 8.5	- 9.9	- 5.7	- 4.3
18	7.1	10.0	7.1	11.4	7.1	7.1	5.7	1.4	2.8	- 2.8	- 2.8	- 2.8	2.8
19	4.3	14.2	11.4	10.0	2.8	- 1.4	- 2.8	-	-	-	2.8	2.8	4.3
20	11.4	14.2	12.8	10.0	2.8	1.4	1.4	14.2	10.0	5.7	7.1	5.7	5.7
21	12.8	18.5	14.2	8.6	1.4	- 5.7	- 7.1	5.7	5.7	5.7	- 1.4	1.4	1.4
22	9.6	11.4	10.0	7.1	- 5.7	- 7.1	- 5.7	2.8	4.3	5.7	5.7	7.1	7.1
23	17.1	22.8	22.8	14.2	7.1	- 5.7	2.8	11.4	7.1	2.8	7.1	8.6	7.1
24	15.7	18.5	15.7	14.2	2.8	1.4	2.8	10.0	2.8	5.7	2.8	8.6	5.7
25	14.2	20.0	17.1	17.1	12.8	11.4	10.0	5.7	7.1	2.8	5.7	7.1	7.1
26	7.1	20.0	20.0	17.1	10.0	5.7	5.7	10.0	8.6	11.4	8.6	11.4	10.0
27	18.5	22.8	17.1	17.1	5.7	- 1.4	2.8	7.1	5.7	12.8	10.0	10.0	11.4
28	18.5	18.5	22.8	17.1	8.6	5.7	5.0	11.4	12.8	15.7	10.0	11.4	18.5
29	21.4	24.2	25.6	18.5	11.4	5.7	7.1	12.8	17.1	15.7	17.1	12.8	14.2
30	20.0	21.4	18.5	20.0	11.4	7.1	4.3	11.4	15.7	17.1	15.7	15.7	10.0
31													
Prom	8.4	11.6	10.0	8.2	- 0.6	- 3.9	- 2.7	2.3	1.3	1.6	0.1	1.3	1.2
Var.	6.4	9.6	8.0	6.2	- 2.6	- 5.9	- 4.7	0.3	- 0.7	- 0.4	- 1.9	- 0.7	- 0.8

LINEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
10.6	6.0	3.0	3.0	6.0	7.6	15.1	6.0	9.1	10.6	10.6	9.9	0
12.1	6.0	6.0	6.0	9.1	9.1	6.0	13.6	7.6	9.1	13.6	11.5	1
- 3.2	-12.7	- 9.5	-15.9	-20.7	-19.1	-12.7	-11.1	- 4.7	- 4.7	- 9.5	1.1	2
-20.7	-19.1	-20.7	-17.5	-20.7	-17.5	-20.7	-17.5	-11.1	-11.1	- 8.0	-10.0	2
- 8.0	-17.5	-25.4	-22.3	-20.7	-15.9	-15.9	-11.1	-12.7	- 9.5	-12.7	-12.8	0
-14.3	-23.8	-20.7	-15.9	-17.5	-12.7	- 9.5	-12.7	-25.4	-23.8	-17.5	-13.4	1
-11.1	-15.9	- 9.5	-12.7	- 8.0	- 6.4	-14.3	-11.1	-17.5	- 9.5	- 9.5	-10.4	2
-11.1	-17.5	- 9.5	- 9.5	- 6.4	- 6.4	- 4.7	- 9.5	- 8.0	- 3.2	-11.1	- 8.6	1
-17.5	-14.3	- 9.5	- 9.5	- 8.0	- 8.0	- 3.2	- 4.7	- 4.7	1.5	- 4.7	- 6.5	1
- 3.2	-10.6	-12.1	- 8.0	- 9.5	- 9.5	- 4.7	1.5	- 3.2	- 3.2	- 4.7	- 4.2	1
- 8.0	-11.1	- 6.4	7.6	10.6	9.1	-	-	-	9.1	-	0.4	1
-36.6	-42.9	-44.5	-41.3	-35.0	-38.2	-41.3	-30.2	-38.2	-39.8	-41.3	-36.6	1
-44.5	-47.7	-41.3	-47.7	-46.1	-39.8	-35.0	-33.4	-31.8	-31.8	-33.4	-35.9	2
-25.4	-36.6	-39.8	-52.5	-33.4	-35.0	-22.3	-30.2	-33.4	-25.4	-27.0	-31.3	0
-31.8	-	-	-	-	-	-	-	-	-	-	-29.3	0
-33.4	-38.2	-39.8	-38.2	-	-31.8	-20.7	-22.3	-28.6	-23.8	-23.8	-24.2	1
-27.0	-33.4	-33.4	-51.2	-50.9	-30.2	-17.5	-15.9	-27.0	-25.4	-23.8	-27.0	2
-23.8	-27.0	-27.0	-25.4	-23.8	-19.1	-17.5	-11.1	-19.1	-19.1	-23.8	-19.9	1
-11.1	-15.9	-17.5	-12.7	-15.9	-17.5	-17.5	-14.3	-15.9	- 8.0	-14.3	-15.2	1
-17.5	-17.5	-20.7	-23.8	-15.9	-19.1	- 4.7	- 6.4	- 9.5	- 6.4	-12.7	-11.0	1
-11.1	- 5.9	-17.5	-17.5	- 9.5	- 9.5	-12.7	-14.3	- 9.5	- 6.4	-11.1	- 9.6	0
-15.9	-33.4	-23.8	-15.9	-17.5	-12.7	-14.3	- 9.5	- 8.0	- 5.4	-11.1	-14.5	2
- 9.5	-12.7	-11.1	-27.0	-12.7	- 3.2	- 1.6	- 4.7	- 4.7	1.5	- 4.7	- 6.8	2
- 6.4	-11.1	-11.1	- 8.0	- 8.0	-11.1	- 4.7	- 6.4	- 6.4	1.5	- 4.7	- 5.4	2
1.5	- 8.0	- 9.5	-15.9	-11.1	- 9.5	- 6.4	- 3.2	- 4.7	1.5	- 4.7	- 2.0	2
-15.1	- 6.4	- 3.2	- 3.2	3.0	1.5	- 1.6	- 3.2	- 1.6	3.0	1.5	- 1.6	0
1.5	- 6.4	- 3.2	- 3.2	1.5	1.5	- 3.2	1.5	- 1.6	- 1.6	- 3.0	- 0.5	1
9.1	- 8.0	- 6.4	- 4.7	- 6.4	- 3.2	3.0	- 3.2	- 1.6	- 4.7	- 3.2	0.3	1
0.6	- 8.0	- 4.7	- 9.5	- 4.7	- 3.2	- 3.2	- 4.7	3.0	3.0	1.5	1.1	2
- 6.4	-12.7	- 4.7	- 4.7	- 1.6	3.0	3.0	3.0	4.5	3.0	1.5	2.2	1
-12.4	-17.3	-16.3	-17.1	-13.4	-12.0	-10.1	- 9.5	-10.9	- 7.6	-10.4	9.4	
- 3.0	- 7.9	- 6.9	- 7.7	- 4.0	- 2.6	- 0.5	- 0.1	- 1.5	1.8	- 1.0		

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
12.8	17.1	17.1	15.7	14.2	12.8	8.6	14.2	14.2	18.5	17.1	13.5	2
11.4	7.1	14.2	11.4	11.4	8.6	10.0	15.7	10.0	20.0	20.0	13.4	2
5.7	5.7	10.0	1.4	1.4	2.8	4.3	5.7	5.7	10.0	4.3	7.5	2
- 2.8	- 2.8	- 2.8	- 9.9	- 5.7	- 5.7	2.8	1.4	- 1.4	11.4	10.0	1.4	2
- 1.4	- 2.8	1.4	1.4	1.4	1.4	- 1.4	4.3	4.3	11.4	12.8	2.0	1
2.8	- 1.4	4.3	1.4	- 1.4	- 2.8	2.8	1.4	4.3	11.4	8.6	7.0	1
- 4.3	2.8	- 8.6	- 7.1	- 7.1	2.8	- 7.1	- 4.3	7.1	5.7	7.1	- 0.3	2
2.8	- 4.3	- 1.4	1.4	1.4	- 1.4	2.8	1.4	5.7	10.0	11.4	2.8	1
11.4	2.8	5.7	5.7	4.3	1.4	1.4	7.1	7.1	12.8	15.7	6.8	1
11.4	10.0	10.0	-18.5	5.7	4.3	8.6	10.0	12.8	15.7	11.4	7.3	1
2.8	4.3	8.6	- 2.8	-11.4	-18.5	-15.6	15.7	14.2	14.2	-12.8	4.9	2
-11.4	-17.0	-17.0	-18.5	-25.6	-22.7	-22.7	-25.6	-17.0	-17.0	-17.0	-15.6	1
-31.2	-39.8	-39.8	-39.8	-48.3	-44.0	-39.8	-48.3	-39.8	-34.1	-36.9	-35.8	1
-35.5	-42.6	-39.8	-42.6	-42.6	-41.2	-39.8	-38.3	-31.2	-25.6	-27.0	-38.5	1
-24.1	-28.4	-29.8	-28.4	-24.1	-22.7	-18.5	-15.6	-12.8	- 7.1	- 4.3	-24.0	1
- 2.8	1.4	1.4	1.4	-	- 8.5	- 5.7	- 1.4	2.8	11.4	9.9	0.1	1
- 4.3	1.4	- 4.3	- 7.1	- 1.4	-11.4	-12.8	- 9.9	-11.4	- 8.5	-15.6	- 4.0	1
- 2.8	- 1.4	2.8	2.8	- 2.8	- 5.7	- 2.8	2.8	1.4	8.6	7.1	2.7	1
5.7	4.3	5.7	1.4	2.8	1.4	1.4	5.7	7.1	14.2	8.6	5.1	1
8.6	2.8	8.6	5.7	2.8	2.8	2.8	5.7	7.1	12.8	8.6	7.1	0
2.8	- 2.8	2.8	- 1.4	- 4.3	- 7.1	- 5.7	2.8	4.3	5.7	2.8	2.5	1
5.7	5.7	10.0	4.3	2.8	2.8	4.3	2.8	10.0	18.5	17.0	5.6	2
8.6	7.1	8.6	7.1	2.8	2.8	4.3	7.1	8.6	17.1	14.2	8.9	1
7.1	7.1	4.3	1.4	1.4	- 1.4	2.8	8.6	10.0	17.1	14.2	7.5	2
5.7	10.0	8.6	4.3	7.1	4.3	4.3	5.7	4.3	11.4	8.6	8.8	1
10.0	7.1	10.0	7.1	4.3	4.3	5.7	8.6	14.3	20.0	15.7	10.5	1
12.8	7.1	10.0	7.1	4.3	7.1	8.6	12.8	12.8	17.1	11.4	10.4	2
12.8	10.0	11.4	11.4	10.0	8.6	7.1	12.8	17.1	18.1	12.8	12.8	0
17.1	17.1	15.7	7.1	8.6	8.6	8.6	10.0	14.2	17.1	14.2	14.2	1
8.6	8.6	11.4	11.4	4.3	10.0	7.1	12.8	12.8	14.2	11.4	12.5	2
1.5	- 0.1	1.3	- 2.2	- 2.9	- 3.5	- 2.4	1.0	3.3	8.4	5.4	- 2.0	
- 0.5	- 2.1	- 0.7	- 4.2	- 4.9	- 5.5	- 4.4	- 1.0	1.3	6.4	3.4		

PRESIÓN ATMOSFERICA

en mm. de Hg. al nivel del Observatorio: 700 mm.+ ...

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	57.0	56.6	56.3	56.4	56.7	56.8	56.7	56.6	56.6	56.2	55.7	55.1	54.4	53.4	52.2
2	55.4	56.0	55.0	56.7	56.8	56.8	56.1	54.1	54.2	55.8	54.0	53.3	52.9	52.7	52.5
3	50.1	49.7	48.9	52.3	55.3	53.5	53.2	54.9	55.6	56.5	56.5	56.9	58.1	58.2	57.9
4	63.0	63.3	63.5	63.5	64.2	64.3	64.2	64.3	64.3	64.4	63.9	63.6	63.2	62.5	62.0
5	60.9	60.7	60.5	60.5	60.4	60.5	59.6	60.0	59.8	59.7	59.0	58.7	58.0	57.2	56.9
6	54.2	54.1	54.1	54.5	54.6	54.8	54.9	54.3	53.8	53.6	52.9	52.3	51.5	50.5	50.1
7	54.8	55.0	55.3	56.7	57.6	57.6	57.7	58.6	59.2	59.3	59.4	59.7	59.7	59.7	59.6
8	62.5	62.4	62.2	62.5	62.9	63.5	63.8	63.7	63.7	63.6	63.1	63.2	62.9	62.2	61.7
9	60.7	60.5	60.4	60.3	60.3	60.3	60.6	62.0	62.4	62.5	60.2	60.0	59.9	59.2	58.5
10	58.2	57.9	57.8	58.0	58.3	59.5	58.9	58.4	57.6	57.5	57.0	56.4	55.7	54.6	54.2
11	53.0	52.8	52.9	52.3	52.3	52.3	52.5	52.6	53.3	53.2	52.0	51.0	50.1	48.6	47.0
12	47.6	50.3	49.1	47.8	47.6	49.9	51.7	52.7	53.5	53.8	53.9	53.9	53.6	53.5	53.6
13	53.1	58.3	57.8	57.1	57.8	57.1	58.9	58.6	57.9	58.1	57.1	56.7	56.7	56.4	56.2
14	56.7	56.4	56.1	55.8	56.2	56.3	56.6	56.4	56.5	56.4	56.0	55.3	55.0	54.3	54.2
15	52.8	52.0	51.4	51.5	52.5	53.2	53.5	55.7	55.1	55.2	55.2	54.9	54.6	54.4	54.4
16	58.4	58.4	58.5	58.6	58.9	59.5	60.0	60.4	60.1	60.0	59.7	59.3	58.6	57.7	57.5
17	56.3	56.3	57.4	57.6	57.5	57.4	57.3	57.6	57.3	57.3	57.3	57.1	56.6	56.2	55.9
18	57.5	57.1	55.9	56.6	57.2	57.2	57.0	57.1	57.4	57.4	57.1	56.7	56.3	55.8	55.1
19	54.7	54.9	54.6	54.8	55.4	55.6	56.2	57.0	56.8	56.6	56.4	56.2	56.0	55.4	54.7
20	57.2	57.4	57.6	57.7	58.2	58.2	58.3	58.0	57.9	57.9	57.6	57.4	56.8	55.9	55.0
21	49.6	49.9	52.0	53.6	54.3	54.8	55.1	53.7	51.8	49.0	49.2	48.9	48.8	49.3	48.9
22	49.2	47.5	46.9	47.7	49.5	44.8	47.6	48.8	48.9	48.7	49.9	49.9	50.3	50.2	50.7
23	55.0	55.2	55.3	55.3	56.1	56.6	57.0	57.3	57.4	57.9	58.2	58.1	58.0	57.6	57.1
24	59.7	59.9	60.1	60.9	61.1	61.6	61.8	62.3	62.2	62.1	61.8	61.6	61.5	61.3	60.6
25	61.8	61.8	61.7	62.1	62.2	62.6	62.9	63.5	63.6	63.5	63.5	63.5	63.4	63.0	62.7
26	63.1	62.8	62.8	63.0	63.4	63.6	63.6	63.5	63.5	63.5	63.4	63.1	62.8	62.5	62.4
27	62.8	62.6	62.4	62.5	62.9	63.2	63.4	62.9	62.6	62.5	62.3	61.9	61.2	60.5	60.0
28	59.5	59.5	60.3	60.3	60.2	60.2	60.2	59.5	59.2	59.1	58.7	58.5	58.4	57.8	57.5
29	56.3	56.4	56.5	56.6	57.0	58.2	58.5	58.5	58.7	58.7	58.5	58.5	58.5	58.5	57.7
30	60.4	60.5	60.8	61.4	61.8	62.2	62.3	62.8	62.4	62.4	62.2	62.0	61.9	61.4	61.2
31															
Prom	56.9	56.9	56.8	57.2	57.6	57.7	58.0	58.2	58.1	58.1	57.7	57.5	57.2	56.7	56.3

TEMPERATURA DEL AIRE

a la sombra en grados C.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	19.6	19.5	19.4	19.1	19.5	20.5	22.7	25.0	27.4	29.1	29.7	30.8	31.2	31.4	31.7
2	19.7	20.3	20.1	20.3	19.2	18.5	18.6	19.2	19.1	18.8	18.9	22.3	25.2	25.2	25.2
3	19.3	19.3	19.5	19.3	17.2	17.3	17.3	17.4	16.3	13.4	17.7	18.7	18.5	18.6	19.3
4	6.5	5.9	5.7	5.6	5.8	8.1	13.3	16.0	17.8	19.5	21.2	22.0	22.8	23.0	23.3
5	12.1	11.6	11.3	11.1	10.5	12.3	15.1	18.4	20.8	22.5	23.3	23.8	24.3	24.5	24.7
6	15.3	14.9	13.5	12.2	11.2	13.3	16.5	19.8	21.8	24.0	25.2	26.9	28.2	28.0	28.9
7	15.6	15.1	13.9	12.5	12.2	12.6	15.8	17.8	18.2	18.3	18.6	18.9	19.5	19.8	20.0
8	7.0	6.6	5.8	5.7	5.3	6.7	12.9	16.8	19.3	20.9	22.2	22.9	23.5	23.6	23.5
9	12.9	12.9	12.7	12.7	12.0	14.3	16.9	19.2	21.6	23.3	24.5	25.6	26.4	27.0	26.9
10	16.2	15.7	15.7	15.2	16.0	15.8	16.7	21.0	23.4	24.7	26.3	27.5	28.2	29.0	29.1
11	23.6	23.6	23.4	23.1	22.8	22.7	23.9	25.5	25.3	21.1	21.4	20.3	22.6	22.7	21.6
12	18.3	19.4	19.3	19.1	19.0	18.6	18.7	20.9	22.0	22.1	22.9	20.6	24.3	24.2	23.6
13	14.7	13.5	12.7	12.4	12.3	13.1	14.8	16.1	17.4	18.2	18.2	17.9	17.8	17.6	17.5
14	10.8	11.5	10.2	9.7	9.4	9.4	11.9	15.4	17.0	18.8	19.3	20.3	20.5	21.0	20.7
15	14.5	14.4	14.7	14.4	14.3	14.0	14.6	14.0	15.0	17.6	19.5	21.4	21.8	22.0	22.2
16	10.1	10.0	9.7	9.8	9.9	12.9	17.0	18.9	20.4	21.9	22.6	23.4	23.5	24.4	24.7
17	17.6	16.8	17.5	17.0	16.5	16.6	17.9	19.6	22.1	24.4	25.6	26.7	27.4	27.4	27.4
18	19.5	18.3	18.1	17.8	17.7	18.1	19.8	22.4	24.2	25.1	26.3	27.0	27.5	26.6	27.7
19	17.2	16.9	16.2	16.4	16.3	18.6	21.0	23.4	23.6	25.4	24.4	25.3	26.3	26.4	27.4
20	16.7	16.1	15.8	15.3	15.6	19.3	20.9	22.0	22.5	23.3	23.9	23.8	25.0	26.0	26.2
21	21.6	21.1	21.0	20.2	19.1	18.7	17.6	17.0	17.1	18.3	22.9	21.5	23.9	22.8	21.5
22	19.7	19.3	19.1	18.1	17.8	17.0	17.1	18.6	16.6	15.0	15.7	15.9	16.0	18.2	18.4
23	12.9	12.1	11.6	11.0	10.1	11.1	13.1	15.0	16.0	16.6	17.3	17.5	17.6	18.0	18.1
24	6.9	5.9	5.4	5.2	5.0	6.4	10.9	14.0	15.4	16.3	17.7	18.0	18.8	19.2	19.5
25	11.6	11.2	10.3	10.2	10.2	11.2	12.2	14.0	16.1	17.9	19.0	19.4	19.5	20.0	20.0
26	11.0	10.7	9.7	9.0	8.3	11.1	14.0	17.2	18.9	20.5	21.4	22.3	22.4	21.6	17.2
27	15.0	14.8	14.7	14.6	13.1	14.0	15.8	18.0	20.0	21.6	22.6	23.6	24.1	24.6	24.8
28	15.5	15.3	16.0	14.8	14.3	15.8	19.4	20.4	20.8	20.9	21.6	22.2	25.1	25.4	25.2
29	15.8	15.2	14.4	13.9	13.9	16.8	20.1	22.2	23.1	24.5	25.8	27.2	28.0	27.4	27.3
30	18.2	16.7	15.9	14.9	14.1	14.8	18.5	20.0	21.1	21.7	22.3	22.6	23.1	23.0	23.6
31															
Prom	15.2	14.8	14.4	14.0	13.6	14.6	16.8	18.8	20.0	20.9	21.9	22.5	23.4	23.6	23.6

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
51.9	51.9	51.8	51.8	52.3	52.6	53.7	55.4	55.8	57.4	0	51.8	18-19	5.6	754.8 mm.	1006.4 mb.
52.3	51.9	51.9	52.2	52.0	52.1	51.7	51.0	50.7	56.9	4-5	50.7	24	6.2	53.7	1004.9
58.0	58.2	58.8	60.0	61.0	61.7	62.0	62.7	62.9	62.9	24	48.9	3	14.0	56.8	1009.0
61.7	61.2	61.1	61.0	61.3	61.6	61.6	61.4	61.0	64.4	10	61.0	19,24	3.4	62.8	1017.0
56.3	55.9	55.7	55.8	55.7	55.7	55.6	55.4	54.9	61.0	0	54.9	24	6.1	58.1	1010.8
50.1	49.8	50.4	51.2	51.7	54.4	54.4	55.2	55.4	55.4	24	49.8	17	5.6	53.0	1004.0
59.7	60.3	60.5	61.2	61.6	62.2	62.4	62.5	62.6	62.6	24	54.8	1	7.8	59.3	1012.4
61.4	61.4	61.2	61.3	61.8	61.7	61.6	61.3	61.1	63.8	7	61.1	24	2.7	62.4	1016.5
58.3	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.2	62.5	10	58.1	17-18	4.4	59.7	1012.9
54.2	53.7	53.5	53.0	52.8	53.2	53.6	53.7	53.4	59.5	6	52.8	20	6.7	55.9	1007.8
46.1	47.9	47.1	47.5	47.6	47.4	48.5	51.4	49.6	53.8	9-10	45.2	17-18	8.6	50.4	1000.5
54.2	55.2	55.8	57.4	58.1	58.7	59.3	59.5	59.3	59.6	23-24	46.9	4-5	12.7	53.8	1005.0
54.3	53.9	54.3	56.3	55.7	55.8	56.4	56.9	56.9	59.3	0	53.1	17-18	6.2	56.8	1009.0
54.0	53.4	53.3	53.6	53.4	53.7	54.5	54.1	53.3	56.9	0	53.3	18,24	3.6	55.1	1006.8
54.9	55.2	56.0	56.8	57.4	58.1	58.3	58.4	58.4	58.4	23,24	51.4	3	7.0	55.0	1006.6
57.2	56.7	56.5	56.5	56.5	56.5	56.5	56.5	56.4	60.4	8	56.4	24	4.0	58.1	1010.8
55.8	55.6	55.7	55.9	56.1	56.6	56.7	56.5	56.5	57.6	4,8	55.6	17	2.0	56.7	1008.9
54.5	54.0	53.6	53.3	53.3	54.3	54.4	54.5	54.8	58.0	1-2	53.3	19,20	4.7	55.8	1007.7
54.6	54.5	54.5	54.7	55.7	56.1	56.7	57.1	57.4	57.4	24	54.4	17-18	3.0	55.7	1007.6
54.1	53.8	53.1	52.6	52.4	52.4	51.8	52.0	51.6	58.3	7	51.6	24	6.7	55.6	1007.4
48.9	49.0	49.1	49.1	49.3	48.7	47.9	48.2	47.8	55.1	7	47.8	24	7.3	50.3	1000.4
50.4	50.6	51.3	51.9	52.7	53.7	54.3	55.1	54.8	55.1	23	42.7	6-7	12.4	50.2	1000.2
57.0	57.0	57.5	58.0	58.6	59.3	59.5	59.5	59.6	59.6	24	54.8	0	4.8	57.4	1009.8
60.3	60.5	60.7	61.0	61.2	61.6	61.7	62.2	62.0	62.3	23-24	59.6	0	2.7	61.2	1014.9
62.4	62.5	62.6	62.7	63.4	63.6	63.6	63.6	63.4	63,7	21-22	61.7	3	2.0	62.9	1017.2
63.0	62.4	62.3	62.2	62.4	62.7	62.8	62.8	62.8	63.7	6-7	61.9	14-15	1.8	62.9	1017.2
59.3	59.1	59.0	59.1	59.3	59.2	59.3	59.4	59.5	63.4	7	59.0	18	4.4	61.1	1014.8
57.2	56.7	56.4	56.2	56.4	57.0	57.1	56.7	56.4	60.3	3,4	56.2	19	4.1	58.3	1011.0
57.9	58.2	58.6	59.1	60.4	61.2	61.2	61.1	60.7	61.2	21,22	56.3	1	4.9	58.6	1011.4
60.9	60.8	60.6	60.5	60.6	60.2	60.1	60.1	60.0	62.8	8	59.9	23-24	2.9	61.2	1014.9
56.0	56.0	56.0	56.3	56.6	57.0	57.2	57.4	57.2	59.8		54.2		5.6	57.1	1009.4

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
31.0	29.3	27.4	25.3	23.6	22.2	22.7	22.1	20.1	31.7	15	18.9	3-4	12.8	25.0
24.6	24.4	22.6	21.0	20.2	20.0	19.7	19.5	19.2	25.5	13-14	18.8	10-11	7.1	20.9
19.0	18.4	16.6	14.4	12.4	9.7	8.5	7.6	7.1	19.5	3	7.1	24	12.4	16.0
23.5	22.4	19.7	16.7	15.4	14.3	13.3	12.8	12.4	23.5	16	5.6	4	17.9	15.3
24.7	23.9	21.7	18.8	18.6	18.3	17.3	17.2	16.8	24.7	15,16	10.5	5	14.2	18.5
27.6	25.8	24.6	21.7	18.8	17.8	16.5	16.3	16.2	28.9	15	11.2	5	17.7	20.2
19.9	19.7	17.8	14.1	11.4	10.0	9.1	8.0	7.7	20.0	15	7.7	24	12.3	15.3
22.7	21.6	19.0	17.2	15.4	15.0	14.4	14.1	13.4	23.6	14	5.3	5	18.3	15.6
26.3	25.4	23.2	21.1	20.5	20.5	19.8	18.4	16.5	27.1	14-15	12.0	5	15.1	20.0
29.0	28.0	26.2	24.5	23.8	23.7	23.5	23.5	23.8	29.1	15	15.2	4	13.9	22.8
21.1	19.7	19.8	19.9	20.0	20.0	20.5	17.9	17.8	25.8	8-9	17.8	24	8.0	21.7
23.6	22.1	21.3	20.7	20.0	18.5	17.5	16.5	15.6	24.4	13-14	15.6	24	8.8	20.4
16.4	16.2	15.3	14.2	13.2	12.8	13.3	12.0	12.0	18.3	9-10	12.0	23,24	6.3	15.0
19.7	19.1	18.0	16.3	15.6	15.4	15.7	15.7	15.3	21.5	14-15	9.4	5,6	12.1	15.7
21.9	21.1	19.7	17.3	14.4	13.0	12.0	11.4	10.9	22.3	15-16	10.9	24	11.4	16.5
24.6	24.0	22.5	20.4	18.8	18.7	18.0	17.3	17.7	24.8	15-16	9.7	3	15.1	18.4
25.8	24.7	23.3	22.4	21.4	20.8	20.5	20.2	19.7	27.5	13-14	16.5	5	11.0	21.6
27.8	27.3	26.2	23.4	21.4	19.7	19.5	18.7	17.7	27.8	16	17.7	5,24	10.1	22.4
27.2	27.5	25.6	22.9	21.9	21.4	19.4	18.6	17.5	27.5	17	16.2	3	11.3	22.0
25.9	25.5	23.8	22.8	22.4	22.6	23.0	22.6	22.3	26.5	15-16	15.3	4	11.2	21.8
23.1	24.1	23.6	21.2	20.4	20.5	21.0	21.3	20.5	24.1	17	17.0	8	7.1	20.8
17.9	18.8	18.5	17.2	16.2	15.5	15.3	14.9	13.8	20.5	0	13.8	24	6.7	17.1
18.3	17.1	15.9	14.3	12.2	10.3	8.8	8.1	8.1	18.3	16	8.1	23,24	10.2	13.8
19.6	18.3	14.4	13.2	12.0	11.4	11.5	11.7	12.3	19.6	16	5.0	5	14.6	12.9
19.9	18.4	17.5	15.6	14.8	14.4	13.7	12.6	11.9	20.1	15-16	20.2	4,5	9.9	15.1
14.5	15.6	15.9	15.7	15.8	16.0	16.0	15.9	15.7	23.0	12-13	8.3	5	14.7	15.7
24.3	23.6	22.0	20.3	19.0	18.1	17.6	17.1	15.8	25.0	14-15	13.1	5	11.9	19.1
25.4	24.8	23.0	20.7	18.8	17.9	17.2	17.1	16.7	26.0	13-14	14.3	5	11.7	19.8
27.4	25.3	24.0	22.6	21.0	20.2	19.9	19.4	18.8	28.0	13	13.9	4,5	14.1	21.4
23.4	21.9	20.3	19.0	18.4	18.0	17.8	17.8	17.6	23.6	15	14.0	5-6	9.6	19.4
23.2	22.5	21.0	19.2	17.9	17.2	16.8	16.2	15.7	24.3		12.4		11.9	18.7

HUMEDAD RELATIVA en %

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	89	88	85	80	78	72	61	55	52	45	44	42	40	39	40
2	80	71	68	66	74	77	78	83	80	89	92	70	66	68	71
3	95	95	95	94	86	90	92	94	69	49	36	26	29	29	26
4	99	98	97	92	91	84	67	53	48	43	38	33	32	32	33
5	82	82	83	84	85	82	64	52	47	44	43	41	39	39	39
6	66	67	71	78	81	79	72	61	57	47	49	45	39	40	37
7	72	77	87	93	96	96	84	47	37	39	40	43	36	33	28
8	89	89	88	89	90	95	68	55	36	28	26	30	31	33	34
9	79	80	86	84	85	77	69	63	52	47	46	41	40	39	35
10	81	79	78	77	74	81	79	65	60	58	49	50	47	43	41
11	87	88	89	90	90	90	86	79	81	82	86	96	90	86	89
12	98	96	93	92	91	90	91	87	80	81	78	86	70	66	66
13	52	65	77	82	84	80	71	64	60	53	53	55	55	59	65
14	90	97	97	98	98	95	92	82	78	69	62	57	54	51	61
15	84	85	85	88	88	86	85	95	93	84	74	54	54	50	47
16	95	96	95	95	95	83	72	66	61	53	49	50	52	53	52
17	80	82	83	89	95	97	90	83	74	65	63	56	55	54	55
18	91	94	95	96	98	100	98	81	72	68	63	58	58	55	53
19	86	87	90	91	92	84	72	66	69	69	74	71	68	62	52
20	77	80	83	84	83	64	59	58	58	58	61	62	64	64	64
21	71	75	76	92	85	92	98	100	96	78	67	70	65	69	81
22	96	96	96	96	96	97	96	96	94	93	91	90	93	82	68
23	90	92	94	93	92	88	66	48	41	42	42	41	39	37	39
24	93	98	99	100	100	100	81	64	50	34	31	27	26	24	25
25	89	91	95	95	96	97	94	86	77	69	64	58	52	47	40
26	86	85	90	90	91	76	72	56	52	53	54	54	50	62	82
27	85	84	81	77	82	81	78	71	67	64	61	51	54	54	51
28	81	80	66	83	88	81	75	64	66	69	67	58	51	49	55
29	90	95	99	100	100	87	75	69	64	58	58	53	52	56	54
30	78	85	89	89	89	81	73	65	63	60	58	58	58	55	51
31															
Prom.	84	86	87	89	89	88	79	70	64	60	57	54	52	51	51

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	14.5	14.5	13.5	12.5	13.0	13.0	12.5	13.0	14.0	13.0	13.0	14.0	13.0	13.6	13.0
2	13.0	12.5	12.0	12.0	12.0	12.0	12.5	13.7	13.0	14.0	15.0	13.5	16.0	16.3	17.0
3	15.0	15.0	15.5	15.0	12.5	12.5	13.5	13.9	9.0	5.4	5.6	4.4	4.4	4.9	4.6
4	7.0	6.8	6.6	6.2	6.4	6.6	7.6	7.3	7.2	7.2	7.0	6.4	6.8	6.7	6.8
5	8.5	8.0	8.0	8.0	7.8	8.5	8.0	8.2	8.5	8.5	9.0	9.0	8.5	9.1	8.5
6	8.5	8.5	8.0	7.6	7.2	8.5	10.0	10.6	11.0	10.5	11.0	11.0	10.5	11.5	11.0
7	9.5	9.5	10.0	10.0	10.0	10.5	11.0	7.2	5.8	5.8	6.0	6.8	6.2	5.8	4.8
8	6.6	6.4	6.0	6.0	5.8	6.6	7.4	7.8	6.2	5.0	5.4	5.6	7.0	7.5	7.0
9	8.5	8.5	9.5	9.0	8.5	8.0	9.5	10.4	10.0	10.0	10.5	10.0	9.5	10.2	8.5
10	11.0	10.0	10.0	10.0	9.5	11.0	11.0	12.0	12.0	13.0	12.0	13.0	13.5	12.7	12.5
11	19.0	19.0	18.5	18.5	18.0	18.0	19.0	19.1	19.5	15.5	16.5	17.0	17.5	17.6	16.5
12	15.0	16.0	15.0	15.0	15.0	14.0	14.5	16.0	15.0	16.0	16.0	15.5	15.0	14.8	14.0
13	6.4	7.2	8.5	8.5	8.5	8.5	9.0	8.9	8.5	8.0	8.0	7.8	8.0	8.9	9.0
14	8.0	9.5	9.0	8.5	8.5	8.0	9.5	10.7	11.0	10.5	10.5	10.0	9.5	9.6	11.0
15	10.0	10.0	10.0	10.5	10.0	10.0	10.0	11.2	11.5	12.0	12.0	10.0	10.0	9.9	9.5
16	8.5	9.0	8.0	8.0	8.0	9.0	10.5	10.2	11.0	10.0	9.5	10.0	11.5	12.0	12.0
17	11.5	11.5	12.0	12.5	13.0	13.5	13.0	14.0	14.0	14.0	15.0	15.0	14.0	14.7	14.0
18	15.5	14.5	14.0	14.5	14.5	15.0	16.5	16.3	16.0	16.0	15.5	15.0	15.5	14.4	14.5
19	12.5	12.5	12.0	12.5	12.5	13.0	14.0	14.3	14.5	16.0	16.5	17.0	17.0	15.9	14.0
20	11.0	10.5	11.0	10.5	10.5	10.0	10.5	11.4	11.5	12.0	13.5	13.5	14.5	16.1	15.5
21	14.0	13.5	14.0	16.0	13.5	14.5	14.5	14.5	14.0	12.0	14.0	12.5	13.5	14.3	15.5
22	16.5	16.0	16.0	15.0	14.0	14.0	14.0	15.5	13.0	11.5	12.0	11.5	12.5	12.8	10.5
23	9.5	9.5	9.0	9.0	8.5	8.0	7.6	6.2	5.8	6.0	6.2	6.2	5.6	6.2	5.8
24	6.8	6.6	6.4	6.4	6.4	7.4	7.8	7.7	6.2	5.2	4.8	4.2	4.4	4.1	3.8
25	8.5	9.0	8.5	8.5	9.0	9.5	9.5	10.3	10.5	10.0	10.0	9.5	8.5	8.3	6.6
26	8.5	7.8	8.0	7.4	7.6	7.6	8.5	8.3	8.5	9.5	10.0	10.5	9.5	11.9	12.0
27	10.5	10.0	10.0	9.5	9.0	9.5	10.0	10.9	11.5	12.0	12.5	11.0	11.5	12.5	12.0
28	10.5	10.0	9.0	10.0	10.5	11.0	12.0	11.4	12.0	12.0	13.0	11.5	12.5	12.0	12.5
29	11.5	11.5	11.5	11.5	11.5	12.0	12.5	13.7	13.0	13.0	14.0	14.0	14.5	15.3	14.0
30	12.0	11.5	11.5	11.0	10.5	10.0	11.5	11.4	11.5	11.0	11.5	11.5	12.0	11.7	11.0
31															
Prom.	10.9	10.8	10.7	10.6	10.4	10.7	11.2	11.5	11.2	10.8	11.2	10.9	11.1	11.4	10.9

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
41	48	57	60	70	77	74	78	83	89	0,1	39	14	50	62
75	77	83	88	92	93	93	94	94	94	23,24	66	4,13	28	80
25	30	39	46	61	86	90	94	96	96	24	23	15-16	73	66
36	44	59	65	70	70	72	77	81	99	1	32	13,14	67	63
39	41	51	58	59	59	62	62	63	85	5	39	varios	46	58
46	52	53	77	83	81	80	74	70	83	20	37	15	46	63
28	29	32	56	75	76	80	88	86	96	5,6	28	15-16	68	61
37	46	57	63	68	68	70	75	80	95	6	26	11	69	60
43	51	60	67	69	69	75	78	82	86	3	35	15	51	63
41	48	60	67	69	76	84	84	83	84	22,23	39	15-16	45	66
94	98	98	97	98	97	96	100	99	100	23	81	9	19	91
51	59	60	57	58	71	60	56	53	99	0	49	15-16	50	75
60	60	65	78	81	85	85	87	88	88	24	52	1	36	69
63	64	66	76	78	83	83	79	80	98	4,5,	50	14-15	48	77
43	45	51	73	84	92	94	95	96	96	24	42	16-17	54	76
51	56	64	73	77	80	79	85	86	96	0,2	47	10-11	49	72
60	67	75	82	87	88	89	86	88	97	6	54	14	43	77
49	48	55	74	80	82	80	79	84	100	6	48	17	52	76
52	54	60	76	86	89	69	68	71	92	5	51	14-15	41	73
64	66	79	85	88	80	78	74	71	88	20	58	8,9,10	30	71
59	68	71	85	89	84	88	87	96	100	8	60	10-11	40	81
78	72	71	71	75	80	81	82	85	97	6	68	15	29	86
39	41	48	57	69	83	90	98	87	94	3	37	14	57	64
30	36	74	85	88	88	87	84	81	100	4,5,6	13	13-14	77	67
48	56	57	65	70	71	74	80	83	97	6	39	15-16	58	73
92	92	91	87	89	86	85	86	87	93	16-17	50	13	43	77
52	51	56	79	84	89	77	77	81	89	21	51	12,15,17	38	70
52	58	65	74	83	88	88	88	86	89	23-24	49	14	40	72
53	64	62	58	69	70	82	83	80	100	4,5	52	13	48	72
41	50	60	60	67	68	68	68	73	90	4-5	48	16	42	67
52	56	63	71	77	80	80	81	82	94		46		48	71

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
14.0	14.0	15.5	14.5	15.2	15.5	14.5	15.0	14.5	15.5	18,21	12.5	4,7	3.0	13.9
16.5	17.5	16.5	16.0	16.2	16.0	15.5	15.5	15.0	17.5	17	12.0	varios	5.5	14.6
3.8	4.4	5.2	5.8	7.1	7.8	7.2	7.2	7.2	15.5	3	3.8	16	11.7	8.6
8.0	8.5	9.5	8.5	9.3	8.0	8.0	8.5	8.5	9.5	18	6.2	4	3.3	7.5
8.5	9.0	10.0	9.0	9.4	9.0	9.0	9.0	8.5	10.0	18	7.8	5	2.2	8.6
13.0	13.0	12.0	14.5	13.4	12.5	10.5	10.0	9.0	13.4	20	7.2	5	6.2	10.6
4.8	4.6	4.8	6.8	7.6	7.0	6.6	7.0	6.8	11.0	7	4.6	17	6.4	7.3
7.6	9.0	9.0	9.0	8.9	8.5	8.0	8.5	8.5	9.0	17,18,19	5.0	10	4.0	7.2
10.5	12.5	12.0	12.5	12.4	12.0	12.5	12.0	11.5	12.5	17,19,22	8.0	6	4.5	10.4
12.5	13.0	14.5	15.5	15.3	16.5	17.5	17.5	18.0	18.0	24	9.5	5	8.5	13.1
17.0	16.5	16.5	16.5	16.4	17.0	17.5	14.5	14.5	19.5	9	14.5	23,24	5.0	17.3
11.0	11.0	10.5	10.5	10.2	11.5	8.5	8.0	6.8	16.0	varios	6.8	24	9.2	13.1
8.0	7.8	8.0	9.0	9.2	9.0	9.0	9.0	9.0	9.2	20	6.4	1	2.8	8.4
10.5	10.0	10.0	10.5	10.0	10.5	11.0	10.0	10.0	11.0	9,15,22	8.0	1,6	3.0	9.8
8.0	7.8	9.0	10.5	10.3	10.0	9.5	9.0	9.0	12.0	10,11	7.8	17	4.2	10.0
12.0	12.5	12.5	12.5	12.4	12.5	12.0	12.0	13.0	13.0	24	8.0	3,4,5	5.0	10.8
14.0	15.5	15.0	16.5	16.6	16.0	15.5	15.0	15.5	16.6	20	11.5	1,2	5.1	14.2
13.0	12.5	13.0	15.5	16.6	14.0	13.0	12.5	12.5	16.5	7	12.5	17,23,24	4.0	14.6
14.0	14.0	14.0	16.0	16.9	16.5	11.0	10.5	10.5	17.0	12,13	10.5	23,24	6.5	14.1
15.5	16.0	17.0	17.0	17.7	15.5	16.0	14.5	14.5	17.7	20	10.0	6	7.7	13.6
14.0	15.0	15.5	15.5	15.8	14.5	16.0	16.5	17.5	17.5	24	12.0	10	5.5	14.6
11.5	11.5	11.5	10.5	10.0	10.0	10.5	10.0	9.5	16.5	1	9.5	24	7.0	12.5
5.8	6.2	6.4	7.0	7.2	7.6	7.4	7.0	7.0	9.5	1,2	5.6	13	3.9	7.1
4.6	5.8	8.5	9.0	9.3	8.5	8.5	8.0	8.5	9.3	20	3.8	15	5.5	6.6
8.0	9.0	8.5	8.0	8.8	8.5	8.0	8.0	8.5	10.5	9	6.6	15	3.9	8.8
11.0	12.0	12.0	11.5	11.9	11.5	11.0	11.5	11.7	12.0	15,17,18	7.4	4	4.6	10.0
11.5	11.0	11.0	13.5	13.8	13.5	11.5	11.0	11.0	13.8	20	9.0	5	4.8	11.3
12.5	13.0	13.0	13.0	13.3	13.0	12.5	12.5	12.0	13.3	20	9.0	3	4.3	11.9
14.0	15.0	13.5	11.5	12.9	11.5	14.0	13.5	12.5	15.3	14	11.5	varios	3.8	13.0
10.0	9.0	10.0	10.0	10.6	10.0	10.0	10.0	10.5	12.0	1,13	9.0	17	3.0	10.8
10.8	11.2	11.5	11.9	12.1	11.8	11.4	11.1	11.0	13.7		8.5		5.2	11.1

VIENTO: DIRECCIÓN Y VELOCIDAD: PREVALENCIAS

HORAS / DÍAS	0 — 1		1 — 2		2 — 3		3 — 4		4 — 5		5 — 6		6 — 7		7 — 8		8 — 9		9 — 10		10 — 11		11 — 12		12 — 13		13 — 14		14 — 15	
	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.
1	NW	9	NW	9	NW	9	NW	10	NW	12	NW	16	NW	18	NW	25	NW	22	NW	19	NW	20	NW	23	NW	26	NW	25	NW	24
2	SE	17	SE	16	SE	14	SE	15	SE	7	SE		E	8	NE	35	NE	26	NW	29	N	17	NE	16	NE	16	NE	19	NE	21
3	NW	9	Calma	1	SE	3	SW	16	SW	16	SW	9	E	6	W	3	W	10	SW	15	SW	14	SW	23	SW	27	SW	16	SW	19
4	Calma	0	Calma	0	W	3	W	6	W	6	W	3	W	3	NW	10	NW	15	NW	15	NW	21	W	18	W	14	W	10	W	11
5	NW	8	NW	8	NW	9	NW	10	NW	9	NW	10	NW	15	NW	17	NW	23	NW	22	NW	18	NW	20	NW	16	NW	15	NW	15
6	NE	13	NE	12	NE	9	N	5	N	6	NE	7	NE	12	N	13	NW	15	NW	13	NW	10	NW	10	NW	6	NW	6	NW	8
7	SE	7	SE	2	SW	2	SW	4	SW	5	SW	5	SW	11	SW	11	SW	12	SW	14	SW	12	SW	11	SW	11	SW	9	SW	10
8	NW	4	Calma	0	NW	3	NW	4	Calma	0	Calma	0	Calma	1	NW	8	NW	6	NW	4	NW	5	NW	6	NW	9	NW	8	NW	14
9	N	8	N	10	N	10	N	10	NW	9	NW	11	NW	13	NW	18	NW	16	NW	19	NW	15	NW	9	N	11	N	11	N	12
10	NE	12	NE	12	NE	12	NE	11	NE	11	Calma	1	W	3	NE	14	NE	20	N	20	N	18	N	16	N	16	N	18	N	17
11	N	15	N	16	N	15	N	16	N	14	N	14	N	12	N	12	E	11	E	22	E	20	E	23	N	14	E	16	E	17
12	E	18	E	18	NE	16	NE	25	NE	23	NE	22	SW	3	SW	4	SW	6	SW	3	SW	2	SW	3	S	1	S	2	S	8
13	SE	10	SE	6	SE	3	SE	2	SE	6	SE	3	SE	5	SE	6	SE	9	S	14	E	14	E	13	E	10	SE	3	Calma	0
14	S	6	E	7	S	5	SE	2	S	2	S	4	S	2	S	2	W	2	SW	3	S	7	S	5	SE	5	SE	6	E	6
15	NE	9	NE	9	NE	8	E	4	N	6	NW	9	NW	10	W	11	Calma	1	W	3	W	4	W	5	W	11	W	11	W	12
16	SW	2	Calma	1	Calma	1	NE	3	Calma	1	N	5	N	8	N	18	N	21	N	24	N	25	N	22	NW	30	NW	20	NW	22
17	N	13	N	14	W	11	W	8	NW	8	N	9	N	15	N	15	NW	9	NW	15	NW	14	NW	15	NW	14	NW	14	NW	15
18	SW	4	SW	6	E	5	NE	11	NE	11	NW	2	Calma	1	NE	2	NW	4	NW	5	NW	4	S	3	SW	4	NW	4	W	5
19	N	4	N	5	NE	3	N	9	NW	6	W	7	W	10	W	9	W	8	W	9	W	6	W	10	W	9	W	7	W	7
20	SE	8	SE	4	SE	7	SE	3	SE	5	E	5	E	17	E	20	E	20	E	19	E	19	E	18	E	16	E	14	E	14
21	N	22	N	28	N	13	S	4	SW	2	SE	6	Calma	0	N	7	NW	22	N	25	NW	25	NW	9	NW	6	NW	7	Calma	0
22	SW	3	SW	4	SE	12	SE	9	SE	5	E	7	E	12	SW	3	SW	7	SW	11	SW	9	SE	6	SE	6	SW	8	SW	7
23	Calma	0	Calma	0	Calma	1	W	4	Calma	0	W	4	SW	7	SW	10	SW	8	SW	12	SW	11	SW	12	SW	13	SW	12	SW	11
24	Calma	0	Calma	0	Calma	0	SW	2	SW	4	Calma	1	Calma	0	Calma	1	SW	2	SW	3	SW	6	SW	4	SW	5	SW	5	SW	2
25	Calma	0	S	2	S	3	S	3	Calma	0	NW	2	SW	4	SW	2	SW	2	SW	3	S	2	S	6	S	5	SE	5	SE	4
26	E	4	NE	8	N	9	N	9	N	8	NE	7	NE	14	NE	15	N	14	N	15	N	10	N	10	NE	8	NW	6	E	10
27	E	5	E	3	E	7	NE	11	N	11	N	12	NE	12	NE	12	NE	15	NE	14	NW	5	NW	8	NE	7	NE	9	NE	11
28	N	8	N	4	S	6	S	4	E	7	E	9	E	12	NE	16	NE	12	NE	10	NE	12'	NE	13	NE	18	NE	14	NE	11
29	N	8	NW	5	N	4	N	2	N	6	S	3	SE	2	SW	2	SW	3	SW	4	W	5	SW	6	SW	8	S	5	S	5
30	E	14	E	9	E	5	SE	5	Calma	1	SE	3	SE	6	E	14	E	15	E	15	E	14	E	14	E	14	E	17	E	12
31																														
DIRECCION PREVALENTE	N		N-Calma		N-NE - SE		N-SE		N		E		E		SE-SW-NW		NW		SW-NW		NW		NW		NW		NW		NW	
NUMERO DE HORAS	7		6		5		6		6		6		5		6		9		9		10		8		7		9		6	
PROM. HOR. DE LA VELOCIDAD		8		7		7		7		7		7		8		11		12		13		12		12		12		11		11

15 – 16		16 – 17		17 – 18		18 – 19		19 – 20		20 – 21		21 – 22		22 – 23		23 – 24		PREVALENCIA DIARIA		PROMEDIO DIARIO DE VELOCIDAD	VELOCIDAD INSTANTÁNEA		
DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIRECCIÓN	NÚMERO DE HORAS		VELOCIDAD	DIRECCIÓN	HORA
NW	23	NW	16	NE	8	NE	7	NE	4	E	3	SE	4	S	8	SE	17	NW	17	15	36	NW	13.58
NE	16	NE	12	NE	7	NE	3	NE	5	NE	10	NE	9	NE	8	NE	5	NE	15	14	58	NE	7.52
SW	17	SW	16	SW	8	SW	6	SW	4	SW	3	SW	2	Calma	0	Calma	0	SW	16	10	50	SW	12.48
NW	10	NW	9	NW	9	NW	5	NW	6	NW	4	NW	5	NW	5	NW	5	NW	13	8	27	NW	10.38
NW	14	NW	11	N	9	NE	9	NE	11	NE	12	NE	11	NE	15	NE	18	NW	17	14	31	NW	8.50
E	10	E	7	E	8	S	4	SW	10	S	6	S	16	S	20	S	12	NW	7	10	50	SW	22.09
SW	11	SW	7	SW	2	Calma	1	Calma	0	Calma	0	Calma	0	Calma	0	NW	2	SW	16	6	36	SW	9.10
NW	17	N	14	N	10	NE	6	NE	4	N	8	N	8	N	11	N	12	NW	12	7	21	N	16.01
N	16	N	13	NE	8	NE	7	NE	8	NE	9	NE	15	NE	15	NE	11	N	9	12	23	NW	7.53
N	16	N	15	NE	10	NE	5	NE	6	NE	8	NE	9	NE	11	NE	13	NE	14	12	29	N	8.40
E	18	SE	10	SE	11	SE	5	E	5	E	10	E	11	S	28	Calma	1	E	11	14	53	E	22.28
S	6	S	7	S	7	SE	3	SE	3	SE	7	SE	10	SE	9	SE	8	SE S SW	6	9	47	NE	3.42
SE	4	SE	8	S	9	SW	7	S	4	S	9	SE	14	SW	10	S	8	SE	13	7	27	E	22.30
E	8	E	10	E	9	E	2	E	4	E	3	E	5	NE	9	NE	7	E	9	5	27	NE	21.30
SW	15	SW	12	SW	7	SW	2	Calma	0	Calma	0	Calma	0	Calma	1	Calma	1	W	7	6	30	SW	13.30
NW	20	N	19	N	13	N	9	N	9	N	11	N	13	N	12	N	13	N	15	13	36	NW	10.16
NW	12	NW	12	NW	8	N	6	N	5	NW	4	N	9	NW	11	NW	5	NW	14	11	25	NW	13.50
W	5	NW	4	W	4	Calma	0	Calma	0	Calma	0	N	3	N	5	Calma	1	NW	6	4	25	NW	3.33
W	10	W	7	Calma	1	Calma	0	Calma	0	Calma	0	SE	9	SE	12	SE	9	W	12	6	19	SE	21.50
E	13	E	12	E	10	E	10	E	7	E	6	E	8	N	14	N	12	E	17	12	31	E	8.02
SW	2	Calma	0	Calma	0	Calma	0	Calma	0	E	2	E	4	S	6	SE	3	NW Calma	6	8	51	NW	10.07
SW	9	SW	9	SW	4	SW	5	SW	5	SW	2	SW	2	S	2	Calma	1	SW	15	6	50	E	6.20
SW	12	SW	10	SW	6	SW	6	SW	2	Calma	1	Calma	0	SW	3	Calma	1	SW	15	6	26	SW	13.20
W	4	SW	4	S	5	Calma	0	Calma	1	Calma	0	N	3	SE	4	SE	3	SW	10	2	23	SW	17.17
SE	4	E	7	E	11	E	8	E	7	E	6	E	8	E	6	E	7	E	8	4	15	E	16.20
E	14	SE	2	Calma	1	E	5	E	8	E	7	E	8	E	6	E	4	E	9	8	31	E	15.20
NE	13	NE	14	N	13	E	8	E	6	E	6	N	10	NE	8	NE	10	E	6	9	21	N	4.40
NE	10	NE	14	NE	12	N	6	N	4	N	4	N	8	N	7	N	9	NE	11	9	24	NW	11.40
SE	5	SE	9	E	8	E	6	NW	10	NE	6	E	8	E	7	E	10	E SW	5	6	27	NW	19.48
E	9	E	11	E	10	E	10	E	10	E	14	E	17	E	15	E	18	E	20	11	30	E	23.40

																		PREVALENCIA MENSUAL		VELOCIDAD MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
E SW NW		SW		E		E		E		E		E		NE		NE Calma		Dirección	Horas		72 Km.		
6		6		6		7		7		9		8		6		6		NW	116	9	DIRECCIÓN	DÍA	HORA
	11		10		8		5		5		5		10		9		8				NW	1	de 7.38 a 7.43
																					NE	2	de 7.35 a 7.40

FRECUENCIAS, KILÓMETROS RECORRIDOS Y VELOCIDAD MEDIA POR DIRECCIÓN

DÍAS	NORTE		NORESTE		ESTE		SUDESTE		SUD		SUDOESTE		OESTE		NOROESTE		Calma	TOTALES DIARIOS DE KILÓMETROS
	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	
1			3	19	1	3	2	21	1	8					17	304		355
2	1	17	15	208	1	8	6	73							1	29		335
3					1	6	1	3			16	211	2	13	1	9	3	243
4													9	74	13	119	2	193
5	1	9	6	76											17	240		325
6	3	24	5	53	3	25			5	58	1	10			7	68		238
7							2	9			16	138			1	2	5	150
8	6	63	2	10											12	88	4	162
9	9	101	7	73											8	110		284
10	9	136	14	154									1	3			1	294
11	8	114			11	167	3	26	1	28							1	336
12			4	86	2	36	6	40	6	31	6	21						214
13					4	51	13	79	4	30	2	17					1	177
14			2	16	9	54	3	13	8	33	1	3	1	2				121
15	1	6	3	26	1	4					4	36	7	57	2	19	6	151
16	15	222	1	3							1	2			4	92	3	322
17	8	86											2	19	14	156		261
18	2	8	3	24	1	5			1	3	3	14	3	14	6	23	5	93
19	3	18	1	3			3	30					12	99	1	6	4	157
20	2	26			17	228	5	27										281
21	4	70			2	6	1	3	2	10	3	10			6	94	6	193
22					2	19	5	33	1	2	15	88					1	148
23											15	135	2	8			7	146
24	1	3					2	7	1	5	10	37	1	4			9	59
25					8	60	3	13	6	21	4	11			1	2	2	107
26	7	75	5	52	9	66	1	2							1	6	1	202
27	4	46	12	136	6	35									2	13		230
28	8	50	11	142	3	28			2	10								230
29	4	20	1	6	5	39	3	16	3	13	5	23	1	5	2	15		137
30					20	257	3	14									1	272
31																		
SUMAS	96	1094	95	1087	106	1097	62	414	41	252	102	756	41	298	116	1395	62	6416
% PREVAL POR VELOCIDAD	17.0		16.9		17.1		6.4		4.0		11.8		4.6		21.7		0.4	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	11		11		10		7		6		7		7		12		0	214

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	7	3	4	4	1	3		4	4
1 - 2	6	4	4	4	1	2		3	6
2 - 3	5	5	3	5	3	1	2	3	3
3 - 4	6	5	1	6	3	3	3	3	
4 - 5	6	3	1	4	1	4	1	5	5
5 - 6	4	3	3	3	2	3	3	6	3
6 - 7	3	3	5	3	1	4	3	4	4
7 - 8	4	6	2	1	1	6	3	6	1
8 - 9	2	4	3	1		7	3	9	1
9 - 10	4	2	4			9	2	9	
10 - 11	4	1	4		2	6	3	10	
11 - 12	3	2	4	1	3	6	3	8	
12 - 13	2	4	4	2	2	6	3	7	
13 - 14	2	3	3	3	2	5	3	9	
14 - 15	2	3	5	1	2	5	4	6	2
15 - 16	2	3	6	3	1	6	3	6	
16 - 17	4	3	5	4	1	6	1	5	1
17 - 18	4	5	6	1	3	5	1	2	3
18 - 19	3	6	7	2	1	5		1	5
19 - 20	3	6	7	1	1	4		2	6
20 - 21	3	5	9	1	2	2		2	6
21 - 22	7	4	8	4	1	2		1	3
22 - 23	5	6	4	3	5	2		2	3
23 - 24	4	6	4	5	2			3	6
SUMAS	95	95	106	62	41	102	41	116	62
% de frec. por dirección	13.2	13.2	14.7	8.6	5.7	14.2	5.7	16.1	8.6

NUBES. VISIBILIDAD

DIAS	NUBES 8h		NUBES 12h		NUBES 14h		NUBES 18h		NUBES 20h		VISIBILIDAD 8h	VISIBILIDAD 14h	VISIBILIDAD 20h
	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	90 - 99		
1	Claro	0	Claro	0	Claro	0	As	6	Claro	0	99	99	98
2	Fs	8	Nb	8	As	4	Ac	4	As	4	6	8	9
3	Fs	8	Ci 3 Ac 3	6	As 2 Cs 4	6	Claro	0	Claro	0	8	9	9
4	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	9
5	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	8	8
6	Claro	6	Ci	2	Ci	3	Ns	8	Ns	8	9	8	6
7	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	9	9
8	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	9
9	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	8	9
10	Ac	2	Ac	2	Claro	0	Claro	0	Claro	0	9	8	9
11	Ac	7	Ns	8	St	8	Ns	8	Fs	8	7	7	8
12	As	8	Sc	8	Cu	6	Sc	8	Ac	6	8	8	8
13	Sc 3 Ac 5	8	Sc	8	Sc	8	Sc	8	Sc	8	7	7	7
14	Ac	1	Cu	1	Cu	1	Ac	3	As	8	7	8	8
15	As	8	Ci 3 Ac 2	5	Cu	4	Claro	0	Claro	0	6	9	9
16	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	9
17	Sc 1 Ac 7	8	Ci	2	Ci	2	As 6 Sc 2	8	Sc 3 As 5	8	9	9	8
18	Cs	7	Cu 2 Ci 1	3	Cu	4	Claro	0	Claro	0	8	9	9
19	Ac	6	Ac	7	Ac 3 Ci 3	6	Sc	1	Ci	6	9	9	7
20	Claro	0	Ac	3	Ac	1	Sc 1 As 7	8	As	8	9	9	9
21	Sc	8	Sc	8	As	7	Ac	4	As	8	7	8	9
22	Sc	8	Fs	8	As	7	Sc	3	As	3	6	8	9
23	Ci	3	Cu	4	Cu	6	Cu	1	Claro	0	9	9	9
24	Claro	0	Claro	0	Claro	0	Claro	0	Ac	2	9	9	9
25	Ac	6	Cu	4	Cu	2	Claro	0	Claro	0	8	9	9
26	Claro	0	Cu 1 Ci 2	3	Sc	7	Sc	8	Ac As 7 Sc 1	8	9	8	6
27	Ci	1	Cu	4	Cu	3	Claro	0	Claro	0	9	9	9
28	As 2 Ci 3	5	Ac	8	Ac	6	Ci	3	Ci	4	9	9	9
29	Claro	0	Cu	4	Cu	4	Ac	6	As 5 Sc 3	8	9	9	9
30	Ci	1	Ci	2	Ac	3	As	7	As	7	9	9	9
31													
Prom.		3		4.		3		3		4			

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9	49.0	31.7	1.41	0	5	5	
	10	51.4	34.0	1.41	0	5	5	
1	12	53.6	35.6	1.46	0	5	5	
	14	51.5	36.0	1.26	0	5	5	
	15	49.7	35.7	1.14	0	5	5	
	9				8	0	3	Ne., Am.
	10				8	0	3	Ne., Am.
2	12				8	0	4	B., Am.
	14	46.7	30.2	1.34	4	5	5	
	15	45.7	29.7	1.30	1	5	5	
	9				8	0	4	B., Am.
	10				8	0	4	B., Am.
3	12	31.0	22.0	0.73	6	1	5	B.
	14	39.3	23.0	1.33	6	3	4	B.
	15	39.8	23.7	1.31	4	4	4	B.
	9	41.2	23.3	1.46	0	5	4	B., Js.
	10	44.0	25.3	1.52	0	5	4	B., Js.
4	12	46.0	27.6	1.50	0	5	4	B.
	14	46.1	28.3	1.45	0	5	4	B., Js.
	15	43.6	27.5	1.31	0	5	4	B., Js.
	9	44.0	25.6	1.50	0	5	5	Js.
	10	46.5	37.6	0.72	0	5	5	Js.
5	12	47.5	39.1	0.68	0	5	5	Js.
	14	45.2	29.5	1.28	0	5	5	Js.
	15	42.5	28.6	1.13	0	5	5	Js.
	9	46.0	28.0	1.46	0	5	5	
	10	48.5	30.0	1.50	0	5	5	
6	12	49.8	32.2	1.43	2	5	5	
	14	51.0	34.0	1.38	3	5	5	
	15	49.5	32.1	1.41	2	5	5	
	9	42.2	23.4	1.53	0	5	5	Js.
	10	44.5	23.9	1.67	0	5	5	Js.
7	12	44.5	28.5	1.30	0	5	5	Js.
	14	44.0	24.5	1.58	0	5	5	Js.
	15	43.0	24.6	1.50	0	5	5	Js.
	9	44.5	25.0	1.58	0	5	5	Js.
	10	47.0	27.3	1.60	0	5	5	Js.
8	12	44.6	27.9	1.36	0	5	5	Js.
	14	45.6	28.6	1.38	0	5	5	Js.
	15	44.6	27.6	1.38	0	5	5	Js.
	9	45.5	27.2	1.49	0	5	5	Js.
	10	47.5	28.6	1.54	0	5	5	Js.
9	12	49.5	31.5	1.46	0	5	5	
	14	49.5	32.0	1.42	0	5	5	
	15	47.9	31.0	1.37	0	5	5	
	9	46.3	28.5	1.45	0	5	5	
	10	48.6	30.4	1.48	2	5	5	
10	12	51.9	33.5	1.50	2	5	5	
	14	50.4	33.8	1.35	0	5	5	
	15	49.6	33.4	1.32	0	5	5	
	9	26.2	24.6	0.13	8	0	4	Ne.
	10	26.0	22.2	0.31	8	0	5	
11	12				8	0	3	LL.
	14				8	0	5	Am.
	15	22.5	21.5	0.08	8	0	5	
	9	37.8	26.3	0.93	8	0	5	
	10				8	0	5	Am.
12	12				8	0	5	Am.
	14	37.2	27.2	0.81	7	0	5	
	15	31.2	25.0	0.50	6	0	5	
	9	31.6	20.2	0.93	8	1	5	
	10	25.5	19.5	0.49	8	0	4	B.
13	12				8	0	4	B., Am.
	14				8	0	4	B., Am.
	15				8	0	4	B., Am.
	9	26.5	18.4	0.66	3	3	4	
	10	47.5	25.7	1.77	5	3	4	Js.
14	12							s/R.
	14	44.5	26.5	1.46	1	5	5	Js.
	15	42.7	25.6	1.39	5	5	5	Js.
	9				8	0	4	Am.
	10	39.0	22.8	1.32	8	0	4	
15	12	47.0	27.3	1.60	5	5	5	Js.
	14	46.2	28.6	1.43	4	5	5	Js.
	15	46.5	27.5	1.54	3	5	5	Js.
	9	43.5	25.5	1.46	0	5	5	Js.
	10	45.5	27.0	1.50	0	5	5	Js.
16	12	46.4	28.5	1.46	0	5	5	Js.
	14	46.5	29.4	1.39	0	5	5	Js.
	15	45.5	29.0	1.34	0	5	5	Js.
	9	38.0	25.0	1.06	5	4	4	B.
	10	48.4	30.0	1.50	3	5	5	
17	12	50.3	32.1	1.48	2	5	5	
	14	50.0	32.5	1.42	4	5	5	
	15	48.3	31.7	1.35	4	5	5	
	9	46.7	29.6	1.39	6	4	5	
	10	49.1	30.9	1.48	4	5	5	
18	12	51.4	32.8	1.51	3	5	5	
	14	34.0	22.0	0.98	4	5	5	
	15	47.7	32.4	1.24	4	5	5	
	9	31.7	25.2	0.53	7	0	5	
	10	37.5	27.5	0.81	8	0	5	
19	12	38.4	27.5	0.89	7	0	5	
	14	44.5	30.5	1.14	3	5	5	
	15	50.5	32.4	1.47	2	5	5	
	9	45.2	27.5	1.44	0	5	5	
	10	47.0	28.5	1.50	0	5	5	
20	12	48.0	29.5	1.50	3	5	5	
	14	48.5	30.5	1.46	1	5	5	
	15	47.2	28.0	1.56	5	5	5	
	9				8	0	4	Z., Ne.
	10				8	0	4	Ne., Am.
21	12				8	0	4	B., Am.
	14				7	0	4	B., Am.
	15				6	0	4	B., Am.
	9				8	0	4	Z.
	10				8	0	4	Am.
22	12				8	0	4	Z., B.
	14				7	0	4	Am.
	15	32.8	21.5	0.92	8	0	4	B.
	9	41.5	21.8	1.60	2	5	5	
	10	42.5	22.5	1.63	1	5	5	
23	12	44.5	23.5	1.71	4	5	5	
	14	31.0	20.0	0.88	6	0	5	
	15	39.2	23.0	1.32	5	5	5	
	9	42.0	21.7	1.65	0	5	5	
	10	43.3	23.1	1.64	0	5	5	
24	12	44.5	24.5	1.63	0	5	5	
	14	44.5	24.9	1.53	0	5	5	
	15	43.3	24.5	1.53	2	5	5	
	9	28.3	18.3	0.81	4	0	4	B.
	10	45.5	24.5	1.71	3	5	5	
25	12	47.0	26.0	1.71	4	0	5	
	14	45.3	26.0	1.57	2	5	5	
	15	44.3	25.2	1.55	2	5	5	
	9	42.5	24.3	1.48	0	5	5	
	10	45.2	26.2	1.54	2	5	5	
26	12	48.5	28.6	1.62	2	5	5	
	14				7	0	5	Am.
	15				8	0	4	B., Am.
	9	42.5	25.0	1.42	2	5	5	
	10	45.6	27.0	1.51	2	5	5	
27	12	50.0	30.0	1.63	4	5	5	
	14	46.0	29.3	1.36	3	5	5	
	15	38.5	27.0	0.93	4	5	5	
	9	35.5	24.0	0.93	6	3	5	
	10	41.5	26.2	1.24	8	1	4	
28	12	39.5	27.5	0.98	8	1	5	
	14	50.0	31.2	1.53	7	3	5	
	15	36.5	26.6	0.80	7	2	5	
	9	47.5	29.0	1.50	0	5	5	
	10	49.6	30.8	1.53	0	5	5	
29	12	55.0	34.5	1.67	4	5	5	
	14	53.5	33.5	1.63	4	4	5	
	15	48.6	31.5	1.39	2	5	5	
	9	44.2	25.7	1.50	2	5	5	
	10	45.6	27.0	1.51	1	5	5	
30	12	48.2	28.6	1.59	2	5	5	
	14	38.5	26.2	1.00	3	1	5	
	15	46.5	29.0	1.42	3	5	5	
	9							
	10							
31	12							
	14							
	15							

HELIOFANÍA

DÍAS \ HORAS	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H. EFECTIVA	H. TEÓR. ASTRON.	H. RELATIVA
1		0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4			9.9	13.4	74
2															0.0	13.5	00
3							0.6	1.0	1.0	1.0	1.0	1.0	0.7		6.3	13.5	47
4		0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6		11.0	13.5	82
5		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	12.0	13.6	88
6		0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2			9.9	13.6	73
7		0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	11.9	13.6	88
8		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8		11.7	13.6	86
9		0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	11.7	13.7	85
10			0.3	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	10.4	13.7	76
11						0.1			0.2						0.3	13.7	02
12							0.1	0.2	1.0	0.4		0.6			2.3	13.8	17
13															0.0	13.8	00
14		0.5	0.7	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.9		10.6	13.8	77
15					0.2	0.3	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.3	7.5	13.8	54
16	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	12.8	13.9	92
17					0.7	1.0	1.0	1.0	1.0	1.0	0.4				6.1	13.9	44
18				0.9	1.0	1.0	1.0	1.0	1.0	0.8	1.0	1.0	1.0		9.7	13.9	70
19	0.3	1.0	0.8	0.4					0.1	0.9	1.0	1.0	1.0	0.6	7.1	13.9	51
20		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.3			10.2	14.0	73
21									0.1		0.7	0.8	0.6		2.2	14.0	16
22									0.1			0.2		0.1	0.4	14.0	03
23		0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	1.0	0.7		11.2	14.0	80
24	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.4	0.5	12.0	14.0	86
25		0.4	0.6	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.7	11.2	14.1	79
26	0.4	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.4						7.6	14.1	54
27	0.1	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	1.0	0.5	12.3	14.1	87
28		0.6	1.0	1.0	0.2	0.4	0.7	0.6	0.9	0.6	0.6	0.4	0.9		7.9	14.1	56
29		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4			10.2	14.1	72
30		0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.8	1.0	0.5			9.7	14.2	68
31																	
Medias	0.1	0.5	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.7	0.7	0.6	0.5	0.1	8.2	13.8	59

GEOTEMPERATURA

DÍAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h
1	19.8	24.6	22.0	18.8	21.8	21.2	17.4	18.0	18.8	17.4	17.6	18.0	19.6	19.8	19.9
2	20.2	21.4	21.0	19.6	19.8	20.2	18.0	18.0	18.2	18.2	18.1	18.1	20.3	20.4	20.3
3	19.6	20.4	18.4	18.1	19.5	18.7	17.8	17.6	17.5	18.0	17.9	17.8	20.4	20.4	20.3
4	16.3	21.2	19.0	16.3	19.3	18.8	16.1	16.7	17.1	17.1	16.9	17.1	20.0	19.8	19.6
5	17.4	21.8	19.8	17.0	19.8	19.3	16.3	16.8	17.4	17.0	16.9	17.3	17.8	19.6	19.7
6	18.1	22.8	17.2	17.4	20.4	18.2	16.6	17.1	17.1	17.4	18.1	18.0	19.9	19.8	19.7
7	18.7	22.0	19.0	18.2	20.4	19.4	17.3	17.6	18.0	17.7	17.7	17.9	20.0	20.2	20.2
8	16.8	23.8	19.3	16.7	19.8	19.2	16.5	17.0	17.6	17.6	17.4	17.6	20.3	20.2	20.1
9	17.8	22.0	19.8	17.4	21.5	19.7	16.6	17.0	17.0	17.3	17.2	17.2	20.2	20.5	20.4
10	19.0	23.5	21.7	18.4	21.0	20.9	17.4	18.0	18.7	17.8	18.0	18.5	20.2	20.5	20.6
11	21.4	22.0	21.2	20.6	21.0	20.5	18.9	19.1	18.9	18.8	19.0	19.0	21.0	21.1	21.2
12	20.6	22.4	21.6	19.9	20.8	21.0	18.6	18.8	19.2	19.0	18.9	19.0	21.2	21.2	21.3
13	18.8	19.7	18.8	19.0	19.3	18.0	18.0	18.1	18.4	18.8	18.6	21.1	21.4	21.3	21.1
14	17.6	21.9	19.8	17.4	20.0	19.7	16.8	17.2	18.2	17.9	17.8	18.2	20.8	20.6	20.7
15	18.5	21.4	19.6	18.2	19.8	19.6	17.6	17.4	18.0	18.1	18.0	18.1	20.8	20.8	20.6
16	17.8	21.8	20.6	17.6	20.2	20.0	17.0	17.6	18.2	17.8	17.9	18.3	20.6	20.7	20.7
17	19.4	23.4	19.7	19.0	21.4	19.0	17.8	18.4	16.8	18.3	18.4	17.1	20.9	21.0	20.0
18	21.0	25.3	21.0	20.4	22.9	22.6	19.0	19.6	20.8	19.2	19.2	19.8	21.4	21.5	21.6
19	21.4	21.4	22.8	21.0	22.2	22.3	19.6	20.0	20.3	19.8	20.0	20.1	22.2	22.2	22.2
20	21.0	22.4	23.0	20.6	22.6	22.5	19.4	19.8	20.4	20.0	19.8	20.2	22.4	21.3	20.3
21	21.6	21.4	22.0	21.3	21.2	21.4	20.0	19.6	19.8	20.4	20.0	20.0	22.6	22.6	22.2
22	20.9	20.8	20.6	20.4	20.4	20.4	19.4	19.2	18.1	19.8	19.6	18.6	22.3	22.2	22.1
23	19.0	22.4	20.0	18.9	20.8	20.2	18.3	18.6	18.8	19.2	18.9	18.2	22.0	21.8	21.7
24	17.6	22.0	19.6	17.7	20.2	19.7	17.6	18.0	18.6	18.7	18.6	18.8	21.9	21.6	21.4
25	18.0	22.1	20.0	18.2	20.4	20.0	17.6	18.2	18.8	18.6	18.6	18.8	21.6	21.6	21.6
26	18.3	22.6	18.0	18.2	20.5	20.0	17.8	18.0	19.6	17.6	18.6	18.4	21.6	21.4	21.6
27	18.9	22.8	21.2	18.6	20.9	20.8	18.0	18.6	19.0	18.6	18.6	18.9	21.4	21.4	21.4
28	19.8	21.4	21.6	19.4	21.2	21.2	18.4	18.8	19.4	19.0	19.0	19.4	21.6	21.7	21.6
29	20.4	24.6	22.8	19.8	22.5	22.4	18.8	19.6	20.4	19.2	19.4	20.0	21.8	22.0	22.0
30	21.0	24.0	21.8	20.8	22.5	21.8	19.6	20.0	20.2	20.2	20.0	20.2	22.4	22.4	22.4
31															
Prom.	19.2	22.4	20.4	18.8	20.8	20.3	17.9	18.3	18.6	18.5	18.5	18.7	21.0	21.0	21.0

LLUVIA, ESTADO DEL SUELO, ETC...

DÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en %						Freatímetro
	50 cm.	1.50 m.	7 m.	18 m.		8h	14h	20h	Total	Punto	7 cm.	15 cm.	30 cm.	60 cm.	1 m.	
1	0.0	0.1	0.0	0.0	0	1.8	4.4	3.3	9.6							11115
2	42.9	45.7	42.0	38.0	1	1.9	1.0	1.1	2.3							11116
3					2	0.2	2.5	2.4	5.5	P. 8	21.5	16.5	20.3			11118
4					2	0.6	3.3	2.4	7.0							11117
5					1	1.3	1.8	2.5	6.2							11117
6	13.6	13.8	13.0	13.5	0	1.9	2.7	1.8	5.3							11117
7					1	0.8	2.4	0.7	3.9							11118
8					0	0.8	1.9	2.6	5.8	P. 9	19.7	15.0	20.9	20.2		11118
9	0.0	0.0	0.0	0.0	0	1.3	2.6	2.0	6.2							11116
10					0	1.6	2.9	2.6	7.3							11120
11	123.7	129.7	121.2	111.6	0	1.8	0.7	0.3	1.5							11122
12					2	0.5	1.0	1.6	4.3							11125
13	5.9	7.0	5.5	5.7	2	1.7	1.5	0.8	2.7							11528
14	8.7	9.4	8.7	9.0	2	0.4	0.6	1.2	2.6							11677
15	2.6	2.7	2.5	2.4	2	0.8	0.9	1.6	3.0	P.10	21.7	19.9	22.8			11724
16	0.0	0.0	0.0	0.0	2	0.5	2.9	2.0	6.5							11765
17	0.6	1.0	0.4	0.6	1	1.6	2.1	1.5	4.0							11773
18					1	0.4	1.5	1.3	3.6	P.11	19.7	20.9	23.2			11777
19					0	0.8	1.1	1.3	3.8							11787
20	6.0	6.2	5.5	5.7	0	1.4	1.9	0.9	3.7							11787
21	30.4	31.0	29.1	28.6	1	0.9	2.1	0.6	2.9							11788
22	4.0	4.0	3.8	3.9	2	0.2	0.2	0.9	1.6							11374
23					1	0.5	1.4	0.8	2.6	P.12	22.9	20.6	22.2			11473
24	0.0	0.7	0.0	0.0	0	0.4	1.7	1.2	3.2							11585
25					1	0.3	1.2	1.5	3.7							11641
26	7.0	7.3	6.8	6.3	0	1.0	2.0	0.3	3.2							11674
27					0	0.9	1.6	1.6	4.2							11694
28					0	1.0	1.0	1.5	3.3	P.13	20.4	20.4	23.0	20.6	19.4	11600
29					0	0.8	1.5	1.5	4.1							11712
30	1.6	2.0	1.3	1.6	0	1.1	1.9	1.8	5.5							11719
31																
Prom.	247.0	260.6	239.8	226.9	-	1.0	1.8	1.5	4.3	-	-	-	-	-	-	11450

0.50 m.			1 m.			2 m.	3 m.	Temper. Mínima de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos
8h	14h	20h	8h	14h	20h	8h	8h		
18.6	18.8	18.2.	17.0	17.2	17.0	16.4	16.9	7.2	Ca. m. y n., Cn. t.
19.2	18.4	18.6	17.1	17.2	17.3	16.8	16.8	16.9	Cn. m. t. y n., LL. m.
19.2	19.2	19.0	17.4	17.5	17.4	16.5	16.9	19.3	Cn. m. y t., Ca. n., r. n.
18.8	18.8	18.5	17.6	17.7	17.7	16.5	16.8	2.1	Ca. m. t. y n., r. m.
18.8	18.7	18.8	17.7	17.7	17.7	16.5	16.8	6.0	Ca. m. t. y n.
18.9	19.0	19.2	17.7	17.7	17.7	16.5	17.0	5.0	Ca. m. y t., Cn. n., Ru.LL. n.
19.3	19.5	19.3	17.7	17.7	17.7	16.6	17.0	13.4	Ca. m. t. y n., r. n.
19.4	19.3	19.3	17.8	17.9	18.0	16.6	17.0	1.4	Ca. m. t. y n., r. n.
19.3	19.5	19.6	18.0	18.0	18.0	16.5	17.0	7.2	Ca. m. t. y n.
19.7	19.7	19.7	18.1	18.1	18.1	16.9	17.0	-	Ca. m. t. y n., CH. m.
20.1	20.2	20.2	18.1	18.1	18.0	17.2	17.1	17.6	Cn. m. t. y n., LL. m. y t., CH.G. t.
20.5	20.5	20.3	18.3	18.6	18.6	17.4	17.5	18.0	Cn. m. t. y n.
20.3	20.3	20.0	18.7	18.7	18.7	17.7	17.6	7.5	Cn. m. t. y n., Z. n.
19.8	19.7	19.5	18.7	18.8	18.8	17.5	17.5	6.6	Ca. m. y t., Cn. n., r. n.
19.6	19.7	19.6	18.7	18.7	18.7	17.5	17.5	11.1	Cn. m. y t., Ca. n., LL.Ru. m., r. n.
19.8	19.7	19.7	17.3	17.8	17.7	17.5	17.5	5.9	Cn. m. t. y n., r. m.
19.9	20.0	19.8	17.8	17.8	17.8	17.5	17.3	14.2	Cn. m. y n., Ca. t., Z. m.
19.9	20.5	20.5	17.8	18.9	18.9	17.5	17.3	16.9	Cn. m. y t., Ca. n., r. n., R. n.
21.0	21.2	21.2	19.0	19.0	19.3	17.5	17.5	13.5	Cn. m. t. y n., r. n., R. n.
21.2	21.3	21.3	19.2	19.3	19.2	17.5	17.5	12.9	Ca. m. y t., Cn. n.
21.4	21.5	21.4	19.6	19.6	19.7	17.6	17.3	18.0	Cn. m. t. y n., LL.Z. m., r.R. n.
21.3	21.3	21.2	19.7	19.7	19.7	17.6	17.4	17.0	Cn. m. y t., Ca. n., Z. m. y t.
21.0	20.8	20.6	19.7	17.8	17.8	17.8	17.5	9.2	Ca. m. y n., Cn. t., r. n.
20.7	20.7	20.5	19.7	19.7	19.7	17.8	17.4	3.0	Ca. m. t. y n, r. m. y n, CH.Z.Tv. t., P. t.
20.7	20.6	20.6	19.7	19.7	19.7	17.8	17.5	9.0	Cn. m., Ca. t. y n., CH.G. m.
20.8	20.8	21.4	19.7	19.7	19.2	18.0	17.5	6.5	Ca. m., Cn. t. y n., Ru.Z.CH. t.
20.7	20.6	20.5	19.7	19.8	19.8	18.0	17.5	11.4	Ca. m. y n., Cn. t., r. n.
20.8	20.8	20.8	19.7	19.7	19.7	18.0	17.5	11.4	Cn. m. t. y n., r. n.
21.0	21.0	20.9	19.7	19.8	19.8	17.8	17.5	10.3	Ca. m., Cn. t. y n.
21.4	21.6	21.0	19.8	20.0	20.0	18.0	17.5	10.5	Ca. m. y t., Cn. n., r. m.
20.1	20.1	20.0	18.6	18.6	18.6	17.3	17.3	10.7	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESIÓN ATMOSFÉRICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANÍA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mm. mb.	mm. mb.			mm. mb.			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	57.6	64.4	4	10	48.9	3	3	19.0	25.4	11.2	31.7	1	15	5.3	8	5	9.5	13.6	70
2ª	55.3	60.4	16	8	45.2	11	17-18	19.6	24.6	14.1	27.8	18	16	9.4	14	5,6	6.7	13.8	48
3ª	58.4	63.7	25; 26	21-22;6-7	42.7	22	6-7	17.5	22.8	11.8	28.0	29	13	5.0	24	5	8.5	14.1	60
MES	57.1	64.4	4	10	42.7	22	6-7	18.7	24.3	12.4	31.7	1	15	5.0	24	5	8.2	13.8	59

DÉCADA	HUMEDAD DEL AIRE								VIENTO									LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas				Instantáneas				Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Velocidad Máxima	Dirección	Día	Hora					
	%	%		%		mm. mb.	mm. mb.	mm. mb.		Km/h	Km/h		Km/h			Km/h				mm.	mm.		mm.		
1ª	64	99	4	23	3	10.2	18.0	3.8	NW	13	72	1;2	35	2	7-8	58	NE	2	7.52	59.6	45.7	2	26.0	3	2-3
2ª	76	100	11,18	42	15	12.6	19.5	6.4	E	12	60	16	30	16	12-13	53	E	11	22.28	156.0	129.7	11	55.0	11	16-17
3ª	73	100	21,24,29	23	24	10.7	17.5	3.8	E	9	60	21; 30	28	21	1-2	51	NW	21	10.07	45.0	31.0	21	7.0	26	16-17
MES	71	100	varios	23	3,24	11.1	19.5	3.8	NW	12	72	1;2	35	2	7-8	58	NE	2	7.52	260.6	129.7	11	55.0	11	16-17

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACIÓN							VIENTO - TORM. ELÉCT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1ª	10	3	1	-	-	-	-	2	-	-	1	-	-	-	3	1	-
2ª	6	2	1	-	-	-	-	2	2	-	1	-	-	-	2	1	2
3ª	10	3	-	-	-	-	-	-	2	-	3	-	1	-	2	1	1
MES	26	8	2	-	-	-	-	4	4	-	5	-	1	-	7	3	3

DÉCADA	FENÓMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
1ª	4	-	-	-	-	-	-	5	-	-	-	7	-	-	5	-
2ª	5	-	-	-	-	-	-	3	-	-	-	1	4	-	5	-
3ª	5	-	-	-	-	-	-	2	-	1	-	3	3	-	3	-
MES	14	-	-	-	-	-	-	10	-	1	-	11	7	-	13	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VI DICIEMBRE 1951 Nº 12

RESUMEN MENSUAL

Vientos del sector NE llevan en los primeros días del mes aire húmedo a la zona del Río de la Plata; se observa entonces nubosidad variable y a veces densa. El desarrollo de una depresión sobre la región del Gran Buenos Aires, empeora considerablemente el tiempo el día 4, y en una zona frontal caen lluvias por la mañana de ese día. El desplazamiento de este aire por uno de origen polar, hace que el tiempo mejore rápidamente y reinen condiciones normales para el principio del verano. Hacia el fin de la década la corriente general gira al N y la temperatura y humedad ascienden de modo tal que el día 10 este último elemento alcanza su nivel más alto del mes con 18.5 mm. El pasaje de un frente frío por la tarde de este día, ocasiona no sólo un marcado descenso de la temperatura (12°C dentro de una hora), sino también lluvias muy intensas (51 mm en 24 horas).

Tiempo propio de una masa de aire polar reina en los primeros días de la segunda década. El cielo está despejado y en gran parte, la temperatura se halla bajo su término medio, registrándose el 12 su valor mensual más bajo, con 9.5°C y vientos leves o regulares que cambian del sector S al N. Este estado del tiempo se mantiene sin mayores modificaciones hasta el día 18. Ese día aire tropical avanza hasta el sud de la Pcia. de Buenos Aires, siendo desplazado hacia el norte el 19 por aire polar, el que desencadena ligeras lluvias. La década termina con tiempo nuboso y temperaturas unos 5° bajo el valor normal.

Al principio de la última década del año, reina tiempo bueno y fresco, y sólo el constante aflujo de aire más caluroso hace subir lentamente la temperatura a partir del 24. El lento desplazamiento del centro de alta presión de las costas patagónicas hacia el NE aumenta no sólo la corriente del NE, sino también la presión que el 25 alcanza su valor más alto del mes con 766.1 mm. Debido a este continuo aflujo de aire cálido y húmedo aumenta ininterrumpidamente la temperatura y la presión desciende en forma pronunciada. Este desarrollo culmina el 28. En este dia y en una aeromasa tropical alcanza la temperatura su máximo mensual con 34.0°C y la presión su mínimo con 752.2 mm.

Los distintos empujes de aire fresco o caliente equilibran los promedios mensuales en tal forma que ellos no difieren mayormente de su término medio. Una mayor variación acusa la presión atmosférica con +1.5 mm y la lluvia cuya cantidad alcanza sólo la tercera parte de su importe normal.

POTENCIAL ATMOSFÉRICO en V/M.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	41	48	55	76	34	28	-	62	166	159	220	145	246	226	138
2	69	48	55	55	69	83	83	97	131	138	131	138	138	166	172
3	41	34	48	41	41	62	48	34	21	7	14	28	28	55	55
4	41	55	62	62	55	83	90	104	104	110	107	83	76	55	55
5	14	28	41	48	-281	- 83	- 14	14	- 48	131	-124	226	138	62	83
6	41	34	55	69	55	83	90	83	69	55	34	21	41	110	41
7	21	28	41	55	55	76	90	83	76	76	69	55	48	28	34
8	76	55	69	55	69	104	124	117	55	28	14	21	21	28	21
9	34	34	34	41	55	76	131	152	166	145	131	83	76	76	62
10	28	28	21	- 7	21	28	55	55	76	90	83	76	69	28	- 48
11	14	28	- 21	- 34	14	48	76	110	138	152	131	110	104	110	124
12	152	166	117	62	69	83	124	97	117	152	152	124	172	159	159
13	76	76	62	48	55	83	97	83	97	104	110	110	124	131	117
14	48	28	41	76	48	104	152	152	186	186	97	97	83	76	62
15	69	48	21	62	124	152	145	110	124	124	131	138	172	172	172
16	62	69	76	83	83	110	110	110	104	83	97	97	97	90	110
17	14	28	41	34	28	14	28	-	-	-	83	76	69	55	41
18	62	62	55	34	41	48	90	83	83	83	69	62	55	55	55
19	41	41	48	41	41	28	138	104	90	145	226	148	83	62	69
20	62	34	14	21	34	62	90	104	110	104	69	41	48	69	62
21	-	-	-	-	-	-	-	69	124	117	97	90	83	124	104
22	117	124	138	152	124	152	138	131	152	159	172	145	166	179	145
23	117	117	104	90	83	90	97	83	97	110	124	117	104	104	104
24	55	55	55	55	62	83	104	76	97	97	97	41	76	97	97
25	69	83	83	83	83	104	90	76	83	97	83	83	110	124	159
26	68	64	60	64	66	64	27	39	58	58	48	48	58	91	111
27	69	76	97	110	104	90	117	97	97	90	97	97	62	76	-
28	104	83	48	48	48	62	97	104	76	48	7	- 21	- 14	-167	110
29	28	34	34	28	28	7	14	41	55	41	41	41	28	55	69
30	97	90	90	97	90	83	28	34	28	28	- 14	41	76	76	48
31	124	186	166	145	131	131	207	179	124	97	83	69	62	28	7
Prom.	65.3	65.0	59.7	60.4	63.7	81.2	94.2	89.6	98.3	103.4	97.0	84.3	90.6	97.0	94.4

RESUMEN DEL ESTADO ELÉCTRICO DEL AIRE

DÍAS	CONDUCTIBILIDAD "λ" . 10^{-4}				IONES LIVIANOS					
					número "n" por cm^3				velocidad	
	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-	n^+	n^-	$n^+ + n^-$	n^+ / n^-	K^+	K^-
1	1.12	1.04	2.16	1.08	503	362	865	1.39	1.56	2.00
2	0.81	0.86	1.67	0.94	663	616	1279	1.08	0.85	0.98
3	1.10	1.11	2.21	1.00	733	787	1520	0.93	1.05	0.99
4	1.18	1.07	2.25	1.10	619	632	1251	0.98	1.33	1.18
5	0.97	0.85	1.82	1.14	542	365	907	1.49	1.25	1.63
6	1.11	1.02	2.13	1.08	663	419	1082	1.58	1.17	1.70
7	1.01	0.93	1.94	1.08	634	390	1024	1.63	1.12	1.67
8	1.11	1.07	2.18	1.07	637	485	1122	1.31	1.22	1.54
9	1.22	1.09	2.31	1.12	808	574	1382	1.41	1.06	1.33
10	1.08	1.04	2.12	1.04	617	517	1134	1.19	1.22	1.40
11	0.81	0.75	1.56	1.08	517	410	927	1.26	1.09	1.28
12	0.74	0.69	1.43	1.07	458	374	832	1.22	1.12	1.28
13	0.95	0.89	1.84	1.07	666	547	1213	1.22	1.00	1.14
14	0.76	0.70	1.46	1.08	486	233	719	2.09	1.09	2.10
15	0.79	0.76	1.55	1.04	687	471	1158	1.46	0.81	1.12
16	1.38	1.23	2.61	1.12	936	677	1613	1.38	1.03	1.27
17	0.93	0.86	1.79	1.08	908	612	1520	1.48	0.72	0.98
18	0.98	0.85	1.83	1.15	956	426	1382	2.24	0.72	1.40
19	1.15	1.03	2.18	1.12	1062	464	1526	2.29	0.76	1.55
20	0.89	0.82	1.71	1.08	1084	539	1623	2.02	0.58	1.06
21	0.65	0.52	1.17	1.25	412	214	626	1.91	1.10	1.70
22	0.72	0.65	1.37	1.11	625	358	983	1.74	0.81	1.62
23	1.05	0.92	1.97	1.14	739	506	1245	1.46	0.99	1.27
24	0.96	0.87	1.83	1.10	-	443	443	-	-	1.37
25	1.00	0.97	1.97	1.03	781	679	1460	1.15	0.90	1.00
26	0.88	0.74	1.62	1.19	-	560	560	-	-	0.93
27	0.86	0.80	1.66	1.07	800	533	1333	1.50	0.75	1.04
28	1.00	0.94	1.94	1.06	824	486	1310	1.69	0.85	1.35
29	1.13	1.03	2.16	1.10	949	425	1374	2.23	0.84	1.70
30	1.02	0.94	1.96	1.09	897	435	1332	2.06	0.80	1.51
31	0.75	0.65	1.40	1.15	628	253	921	2.65	0.79	1.79
Prom.	0.99	0.90	1.89	1.10	721	479	1200	1.51	0.96	1.31

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplit.	Tipo de Curva
124	131	172	179	145	152	104	90	104		310	-210	520	1*
138	145	83	55	14	14	21	14	7		220	14	234	1
62	7	7	41	55	48	41	21	7		110	- 97	207	2
48	48	55	124	83	83	97	76	69	76.0	226	00	226	0
90	76	76	83	83	76	48	55	21		368	-486	854	2
48	83	55	48	90	48	55	34	21	56.8	265	- 14	279	1
41	41	41	48	41	83	83	69	97	57.4	172	- 7	179	1
28	28	34	28	48	34	34	28	-167		716	-486	1202	2
69	48	28	34	28	83	- 14	14	00		207	- 41	248	1
-	-	-	-	-	-	-	-	-		∞	- ∞	-	3*
166	186	193	193	138	117	104	97	131	101.2	284	- 55	339	1
166	145	166	124	62	62	55	62	69	117.3	239	28	211	0
145	138	117	193	- 34	83	- 41	48	34	85.7	304	-210	514	1
69	69	55	97	104	48	110	90	69	89.4	226	- 7	231	1
152	138	110	83	69	62	69	48	55	106.2	322	- 7	329	1
97	104	117	97	110	124	145	124	83	99.2	159	00	159	0
55	48	55	69	21	41	48	55	55		110	- 7	117	1*
69	69	83	69	90	138	124	83	55	71.5	152	28	124	0
62	55	55	69	69	55	69	41	- 21	73.3	564	-281	845	1
69	62	90	90	97	145	104	62	48	70.4	166	- 7	173	1
104	83	90	90	124	131	145	110	97		207	00	207	0*
166	172	159	152	152	145	152	152	131	149.0	272	76	196	0
90	90	110	124	124	145	104	110	83	105.0	213	41	172	0
117	28	48	124	110	97	97	90	76	80.6	179	- 7	186	1
186	83	- 28	- 14	55	110	138	90	48	86.6	226	-167	393	1
107	95	91	139	168	152	99	93	78	81.1	205	00	205	0
-	-	76	53	66	53	39	41	48		159	- 17	176	1*
48	-138	28	28	41	-	-	-	41		179	-342	521	1*
69	55	62	62	97	97	76	83	90	51.4	110	00	110	0
55	55	48	62	69	55	69	55	55	59.0	117	- 97	214	1
41	- 21	34	48	28	41	83	69	28		284	-195	479	2
101.2	90.3	85.6	99.2	89.2	97.3	89.9	79.3	66.9	85.1				

IONES PESADOS número "N" por cm³				CORRIENTE VERTICAL "i" . 10^{-7} U.E.S.	NÚCLEOS AITKEN
N^+	N^-	$N^+ + N^-$	N^+ / N^-	por cm²	por cm³
7890	12078	19968	0.65	-	49,750
5723	8987	14710	0.64	-	-
2655	5420	8075	0.49	-	17,250
3398	5741	9139	0.60	5.70	7,250
3139	7802	10941	0.40	-	19,500
2497	6882	9379	0.36	4.03	11,250
5274	8544	13818	0.62	3.71	27,000
5606	10486	16092	0.55	-	9,500
4143	11105	15248	0.37	-	-
3468	5738	9206	0.61	-	26,250
5867	11347	17214	0.52	5.28	65,000
7629	11195	18824	0.68	5.60	64,750
4487	6990	11477	0.64	5.33	45,500
7735	12067	19802	0.64	4.35	22,500
5717	11537	17254	0.50	5.48	34,000
4358	10935	15293	0.40	8.65	32,500
3287	5683	8970	0.58	-	37,250
3813	11810	15623	0.32	4.35	33,750
2763	5679	8442	0.49	5.32	25,000
6085	6141	12226	0.99	4.01	45,000
4040	5235	9275	0.77	-	36,250
4650	6478	11128	0.72	6.80	-
3953	5495	9448	0.72	6.90	22,750
5156	6943	12099	0.74	4.92	53,500
4385	4225	8610	1.03	5.68	-
5380	10571	15951	0.51	4.38	53,250
2870	4200	7070	0.68	-	53,000
2178	7736	9914	0.28	-	-
1319	4561	5870	0.29	3.70	33,250
2130	5460	7590	0.39	3.86	43,200
7474	9262	16736	0.81	-	36,000
4608	8008	12616	0.58	5.37	34,796

CONDUCTIBILIDAD POSITIVA $\lambda^{+}.10^{-4}$

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	1.12	1.21	1.21	0.94	1.11	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	0.91	1.02	1.11	0.75	1.00
4	1.49	1.49	1.39	1.30	0.81	-	-	-	-	-	0.83	1.14
5	1.29	1.11	1.49	1.42	1.19	1.03	1.15	0.91	0.88	0.91	0.87	0.84
6	1.18	1.10	1.13	1.03	1.08	0.91	1.14	0.95	1.34	1.32	1.18	0.89
7	1.20	1.07	1.11	1.25	0.97	0.78	1.08	1.14	1.16	0.91	1.33	0.99
8	1.46	1.06	0.87	1.38	1.35	1.15	1.03	1.81	1.00	1.06	0.99	1.14
9	1.69	1.50	2.11	1.90	2.14	1.05	0.92	1.03	0.91	0.87	0.87	0.92
10	1.27	1.31	1.57	1.08	1.15	1.21	1.36	1.73	0.79	1.23	0.98	1.01
11	0.76	0.80	1.18	0.93	-	-	-	-	-	-	1.10	1.12
12	0.95	0.71	0.68	0.69	0.70	1.47	1.17	0.79	0.98	0.73	0.60	0.50
13	1.22	1.25	1.15	1.02	1.23	1.20	1.13	1.39	1.26	1.15	0.96	0.79
14	1.09	-	-	-	-	-	-	-	0.88	0.86	0.83	0.62
15	-	-	-	-	-	-	-	-	0.95	0.79	0.87	0.85
16	1.55	1.60	1.77	1.73	1.66	1.41	1.33	1.10	1.44	1.05	0.95	0.96
17	-	-	-	-	-	-	-	1.32	1.05	1.13	1.05	1.00
18	0.76	0.84	0.88	1.37	1.51	0.87	1.14	0.93	1.32	1.13	1.13	1.18
19	1.51	1.63	1.76	1.73	1.46	1.39	1.35	1.13	1.20	0.86	0.63	0.49
20	0.60	1.14	1.39	1.30	1.41	1.34	1.30	0.99	0.71	0.71	0.79	0.86
21	0.55	0.79	0.73	0.78	0.71	0.81	0.64	0.63	0.76	0.70	0.62	0.50
22	-	-	-	-	-	-	-	1.03	1.10	0.68	0.73	0.65
23	0.83	0.87	1.08	1.29	1.57	1.48	1.53	1.34	1.12	1.32	1.27	1.12
24	1.00	1.35	1.44	1.62	1.37	1.16	1.19	1.21	1.31	1.02	0.90	0.74
25	1.17	1.44	1.49	1.55	1.49	1.65	1.42	1.09	0.74	0.96	0.92	0.76
26	-	-	-	-	-	-	-	1.49	1.91	1.03	1.13	0.92
27	-	-	-	-	-	-	-	-	-	1.07	0.93	0.86
28	0.92	0.70	0.93	1.23	1.34	0.94	1.03	0.98	0.95	1.23	1.04	1.11
29	1.12	1.23	1.39	1.10	1.37	1.44	0.90	1.29	1.45	1.20	1.34	1.13
30	1.34	1.56	-	-	-	-	1.02	1.20	1.53	1.16	0.99	1.05
31	0.52	0.56	0.78	0.80	0.79	1.01	0.89	0.79	0.85	1.02	0.84	0.81
Promedio	1.16	1.14	1.25	1.25	1.26	1.17	1.14	1.09	1.10	1.01	0.95	0.89

CONDUCTIBILIDAD NEGATIVA $\lambda^{-}.10^{-4}$

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	1.12	1.29	1.21	0.94	1.24	0.46	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	1.15	1.13	1.15	1.05	1.07
4	1.54	1.56	1.44	1.36	-	-	-	-	-	-	1.13	0.84
5	1.08	1.08	1.20	1.06	1.01	0.82	1.13	0.87	0.76	0.76	0.80	0.68
6	1.10	1.04	0.94	0.78	0.72	0.68	1.01	1.12	1.30	1.14	1.05	0.93
7	1.06	1.05	0.94	1.10	0.67	0.54	0.94	1.13	1.13	1.11	1.20	0.84
8	1.62	0.76	0.78	1.26	1.20	0.93	0.86	0.84	0.95	1.02	1.05	1.10
9	1.73	1.71	1.81	1.87	1.33	0.74	0.58	0.77	0.67	0.70	0.67	0.85
10	1.21	1.14	1.26	1.16	1.00	1.25	1.27	0.91	0.76	0.96	0.93	0.91
11	0.95	0.85	1.18	0.82	-	-	-	-	-	-	1.15	1.10
12	0.73	0.53	0.46	0.63	1.28	1.14	0.91	1.15	0.86	0.63	0.51	0.51
13	1.21	1.19	1.07	0.98	1.13	1.13	1.06	1.42	1.32	1.02	0.90	0.72
14	0.81	0.97	-	-	-	-	-	-	0.85	0.75	0.63	0.51
15	-	-	-	-	-	-	-	-	1.09	0.73	0.76	0.75
16	1.51	1.65	1.46	1.38	1.20	0.97	-	1.27	1.18	1.08	0.85	0.82
17	-	-	-	-	-	-	-	1.21	1.05	1.20	0.99	0.91
18	0.58	0.60	0.69	1.08	1.13	0.78	0.83	0.92	1.07	0.95	0.97	1.12
19	1.40	1.74	1.62	1.38	1.46	1.30	-	0.89	1.05	0.88	0.53	0.77
20	0.81	1.03	1.26	1.34	1.36	1.21	1.07	0.83	0.62	0.67	0.73	0.85
21	0.44	0.58	0.49	0.59	0.56	0.64	0.44	0.49	0.63	0.72	0.51	0.46
22	-	-	-	-	-	-	-	0.91	0.75	0.79	0.57	0.55
23	0.75	0.64	1.03	1.22	1.39	1.37	1.35	1.21	0.96	1.08	1.07	0.93
24	1.13	1.18	1.11	1.28	1.21	1.01	0.97	1.26	1.16	0.82	0.76	0.72
25	1.21	1.38	1.49	1.33	1.36	1.41	1.40	1.10	0.94	0.85	0.84	0.72
26	-	-	-	-	-	-	-	1.35	1.07	1.01	0.97	0.80
27	-	-	-	-	-	-	-	-	1.30	1.09	0.77	0.82
28	0.76	0.54	0.91	1.18	1.20	0.78	1.18	0.97	0.87	1.12	1.12	1.05
29	1.00	1.03	1.26	0.97	1.14	1.14	0.38	1.29	1.20	1.20	1.20	1.08
30	1.10	1.51	1.40	-	-	-	0.92	1.15	1.51	1.00	1.01	1.03
31	0.60	0.35	0.49	0.56	0.64	0.59	0.60	0.58	0.80	0.81	0.71	0.71
Promedio	1.06	1.06	1.11	1.10	1.11	0.94	0.94	1.03	1.00	0.93	0.88	0.83

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
-	-	-	-	-	-	-	-	-	-	-	-	1.12
0.99	0.81	0.72	0.63	0.88	-	-	-	-	-	-	-	0.81
1.06	0.95	0.97	0.99	1.01	1.17	1.32	1.24	1.19	1.23	1.46	1.41	1.10
1.31	1.39	1.07	1.14	1.13	1.16	1.16	0.95	0.83	1.16	1.32	1.39	1.18
0.41	0.78	0.90	0.99	0.97	0.99	0.70	0.93	0.98	0.78	0.86	1.01	0.97
1.15	1.29	1.29	1.27	1.23	1.24	0.96	0.59	0.89	0.92	1.20	1.29	1.11
0.94	0.82	0.97	1.04	1.06	0.99	0.96	1.20	0.83	1.16	0.75	0.56	1.01
1.16	1.10	1.16	1.19	1.17	1.24	1.41	1.11	0.91	1.03	0.84	0.93	1.11
0.96	0.90	1.04	1.16	1.21	0.92	0.89	1.09	0.96	1.31	1.57	1.34	1.22
0.96	0.83	0.81	1.42	0.78	0.59	0.86	0.43	0.54	-	-	0.75	1.08
1.00	0.95	0.65	0.46	0.53	0.56	0.47	0.56	0.67	0.78	0.85	1.20	0.81
0.54	0.53	0.53	0.55	0.68	0.76	0.79	0.44	0.44	0.68	0.85	1.09	0.74
0.82	0.79	0.78	1.08	0.69	0.53	0.40	0.88	0.61	0.63	1.14	0.73	0.95
0.58	0.61	0.55	0.66	0.82	0.90	0.63	0.86	0.62	0.95	-	-	0.76
0.77	0.74	0.63	0.48	0.59	0.68	0.70	0.47	0.48	0.82	1.21	1.60	0.79
-	-	-	-	-	-	-	-	-	-	-	-	1.38
0.91	1.07	1.00	0.84	0.73	1.03	1.14	0.92	0.61	0.64	0.71	0.66	0.93
1.02	0.76	0.82	0.84	0.91	0.94	0.94	1.02	0.79	0.46	0.61	1.30	0.98
1.06	1.07	1.00	1.04	1.04	1.07	1.16	0.97	1.15	0.99	0.94	1.05	1.15
0.92	0.75	0.79	0.82	0.93	0.71	0.60	0.58	0.69	0.69	0.58	0.70	0.89
0.56	0.50	0.57	0.57	-	-	-	-	-	-	-	-	0.65
0.64	0.66	0.74	0.66	0.55	0.78	0.69	0.56	0.60	0.62	0.67	0.90	0.72
1.04	1.10	1.26	1.16	0.90	0.94	0.76	0.81	0.61	0.56	0.67	0.60	1.05
0.79	0.72	0.79	0.80	0.57	0.61	0.50	0.68	0.69	0.78	0.74	1.10	0.96
0.77	0.64	0.54	0.60	0.59	0.52	0.64	0.59	0.56	1.06	1.35	1.44	1.00
0.91	0.85	0.64	0.48	0.55	0.53	0.52	0.62	0.68	-	-	-	0.88
0.84	0.74	0.75	0.74	0.84	0.87	0.84	1.01	0.98	0.79	0.74	0.86	0.86
1.16	0.89	1.06	1.04	1.09	0.97	0.88	0.81	0.95	0.86	0.89	1.06	1.00
1.17	1.08	1.12	1.06	0.89	0.88	0.61	0.79	1.14	0.98	1.19	1.32	1.13
1.04	1.01	0.99	1.00	0.96	0.99	1.04	0.96	0.64	0.73	0.49	0.78	1.02
0.77	0.85	0.60	0.48	0.54	0.76	1.16	0.85	0.63	0.53	0.50	0.72	0.75
0.90	0.87	0.85	0.87	0.85	0.86	0.88	0.81	0.77	0.85	0.92	1.03	0.99

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
-	-	-	-	-	-	-	-	-	-	-	-	1.04
1.72	0.84	0.60	0.53	0.60	-	-	-	-	-	-	-	0.86
0.92	0.90	0.89	0.97	0.91	1.26	1.14	1.17	1.06	1.38	1.39	1.28	1.11
1.27	1.18	0.84	0.99	0.91	1.03	0.67	0.53	0.64	0.96	0.98	1.32	1.07
0.42	0.72	0.89	1.06	0.92	0.87	0.53	0.76	0.76	0.55	0.65	1.01	0.85
1.09	1.17	1.35	1.30	1.08	1.07	0.82	0.60	0.88	0.83	1.24	1.33	1.02
0.82	0.77	0.97	0.97	1.02	1.03	0.86	0.95	0.73	1.16	1.02	0.38	0.93
1.12	1.11	1.14	1.16	1.18	1.28	1.35	0.85	0.77	1.16	1.40	0.80	1.07
0.85	0.92	1.01	1.16	1.45	0.92	0.67	0.95	0.66	1.35	1.33	1.38	1.09
0.95	0.89	0.80	1.28	0.53	0.54	1.68	1.18	0.61	1.57	1.21	0.99	1.04
-	0.84	0.55	0.40	0.46	0.46	0.42	0.53	0.60	0.69	0.81	1.02	0.75
0.49	0.49	0.46	0.51	0.62	0.73	0.64	0.39	0.41	0.66	0.84	1.02	0.69
0.70	0.70	0.64	0.81	0.64	0.38	0.38	0.79	0.55	0.77	1.11	0.65	0.89
0.51	0.55	0.51	0.62	0.72	0.80	0.65	0.84	0.63	0.77	-	-	0.70
0.69	0.64	0.48	0.48	0.62	0.73	0.60	0.44	0.48	0.77	1.34	1.51	0.76
-	-	-	-	-	-	-	-	-	-	-	-	1.23
0.81	0.97	0.87	0.81	0.75	0.95	1.08	0.71	0.53	0.58	0.63	0.49	0.86
0.91	0.76	0.79	0.78	0.87	0.82	0.94	0.81	0.66	0.37	0.58	1.36	0.85
0.92	0.96	0.97	0.91	0.96	1.05	1.05	0.74	0.79	0.65	0.73	0.95	1.03
0.84	0.68	0.72	0.85	0.82	0.60	0.51	0.60	0.64	0.60	0.46	0.50	0.82
0.53	0.42	0.51	0.46	-	-	-	-	-	-	-	-	0.53
0.57	0.62	0.69	0.59	0.51	0.77	0.60	0.51	0.57	0.62	0.69	0.77	0.65
0.90	0.97	1.01	1.01	0.91	0.81	0.65	0.73	0.49	0.49	0.62	0.53	0.92
0.71	0.69	0.77	0.67	0.55	0.57	0.49	0.68	0.64	0.73	0.76	1.09	0.87
0.57	0.51	0.57	0.60	0.53	0.71	0.67	0.57	1.02	1.33	1.26	-	0.97
0.87	0.77	0.55	0.46	0.51	0.46	0.47	0.58	0.54	-	-	-	0.74
0.74	0.59	0.68	0.64	0.74	0.72	0.73	0.97	0.71	0.74	0.72	0.77	0.80
1.20	1.14	1.01	1.06	1.13	0.93	0.81	0.75	0.84	0.51	0.70	0.82	0.94
1.11	1.05	1.09	0.94	0.91	0.91	0.56	0.86	0.97	0.73	1.18	1.45	1.03
1.04	0.85	0.84	0.91	0.86	1.00	0.98	0.82	0.59	0.37	0.30	0.47	0.94
0.68	0.81	0.68	0.44	0.58	0.81	1.01	0.73	0.56	0.47	0.44	0.81	0.65
0.86	0.81	0.79	0.81	0.80	0.82	0.78	0.74	0.68	0.80	0.90	0.95	0.90

IONES LIVIANOS POSITIVOS "n^+" por cm^3

Días \ Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	521	707	744	707	521	911	527	787	521	707	477	434
2	707	782	602	782	825	948	1115	1115	868	868	707	608
3	782	744	782	868	744	868	955	828	866	828	828	790
4	564	602	602	564	194	1109	608	1052	577	563	312	376
5	526	451	526	526	451	526	602	715	941	752	752	639
6	451	451	451	413	376	376	526	825	868	788	868	707
7	608	521	478	658	434	478	744	825	868	782	825	782
8	434	434	434	434	478	434	652	868	995	782	782	782
9	1195	1275	1075	1115	952	608	508	822	912	782	782	782
10	782	745	658	434	527	608	788	955	521	782	782	787
11	869	565	304	174	390	521	614	707	782	608	434	434
12	434	347	347	260	260	347	477	828	752	602	451	413
13	714	676	526	526	714	676	790	955	955	1030	955	782
14	521	434	434	260	434	608	909	825	608	434	434	347
15	-	-	-	-	-	-	-	-	955	868	868	1071
16	995	1015	1015	1274	1235	1072	1274	1354	1394	1075	868	782
17	874	995	1035	1115	1075	1035	1354	1395	1274	1195	787	521
18	1354	1593	1715	1194	915	782	1115	1031	1194	1194	1115	955
19	825	955	951	995	1035	955	1071	2050	1982	1554	695	658
20	1673	1194	1035	868	868	868	-	-	-	-	-	-
21	-	-	-	-	-	-	434	260	260	652	564	390
22	-	-	-	-	-	-	1194	868	608	608	608	707
23	707	707	707	707	868	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	1194	1194	1115	955	868
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	1275	1115	707	782
28	1035	955	868	955	868	738	782	868	1075	862	955	868
29	995	995	955	995	782	952	1075	1354	1435	1195	1115	1155
30	782	707	745	955	955	788	868	952	1194	1235	1115	825
31	825	707	658	658	614	521	745	1194	745	868	608	608
Promedio	799	777	739	726	690	727	822	985	949	883	754	698

IONES LIVIANOS NEGATIVOS "n^-" por cm^3

Días \ Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	382	526	752	526	526	682	564	753	188	376	301	312
2	601	790	715	677	676	828	1086	1219	1046	829	602	526
3	790	677	676	752	714	828	1052	1112	1052	1052	1052	905
4	752	563	676	602	1324	1530	1798	940	902	269	312	150
5	376	376	269	150	226	150	312	752	905	676	602	602
6	344	344	188	150	75	150	676	752	905	752	752	676
7	451	376	376	301	301	269	231	451	526	451	564	676
8	226	226	188	226	226	226	301	714	829	602	639	639
9	1220	1320	790	715	451	376	269	451	451	451	526	602
10	414	376	526	526	564	376	601	902	419	602	564	488
11	940	1008	481	376	376	376	376	376	451	376	376	312
12	312	150	150	150	150	150	150	339	902	828	602	488
13	639	676	526	526	602	564	752	752	828	905	828	676
14	150	150	150	150	188	226	601	526	312	226	312	150
15	188	226	312	301	150	150	565	1052	905	676	677	488
16	752	902	627	752	715	789	1012	1045	1435	1035	868	608
17	608	955	911	955	951	911	1435	1285	1120	1012	563	376
18	150	150	150	381	451	226	494	563	905	916	714	639
19	563	712	639	677	677	676	494	376	752	526	226	301
20	451	489	526	602	639	526	-	-	-	-	-	-
21	-	-	-	-	-	-	150	150	188	451	413	188
22	-	-	-	-	-	-	312	976	601	414	438	376
23	264	226	264	451	526	676	1082	1250	1086	1052	752	602
24	312	301	188	312	376	413	489	1008	1120	828	526	344
25	488	677	677	602	752	936	1255	1320	1052	976	905	752
26	828	828	840	639	376	301	940	940	940	828	752	752
27	828	828	676	676	639	401	864	828	864	730	376	488
28	376	344	451	526	451	269	602	819	640	676	676	676
29	269	344	312	269	226	226	226	413	526	676	905	714
30	150	226	269	226	226	312	413	752	824	902	639	714
31	188	150	226	226	226	188	150	75	451	269	226	312
Promedio	483	514	467	463	475	473	632	763	771	679	590	518

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
347	260	434	521	434	434	347	260	260	347	434	434	503
608	521	434	521	390	347	347	347	434	614	707	707	663
725	752	676	714	752	714	602	451	602	526	602	602	733
715	602	828	976	676	676	677	451	451	526	639	526	619
752	526	526	526	451	451	489	344	376	344	376	451	542
658	825	707	744	707	744	707	707	868	782	707	658	663
788	825	707	707	707	707	521	521	391	478	434	434	634
868	707	707	707	707	707	608	608	521	521	819	304	637
745	745	868	868	707	565	608	608	434	785	868	782	808
750	477	390	-	-	-	1475	477	948	1315	173	434	617
434	434	477	347	434	477	434	521	564	608	614	658	517
602	526	526	526	376	376	312	312	312	451	526	639	458
782	782	782	745	707	434	347	260	434	303	707	390	666
347	347	347	-	-	-	-	-	-	-	-	-	486
707	782	608	477	434	434	521	434	434	707	782	912	687
707	782	868	868	912	868	658	434	434	434	521	1434	936
738	782	707	521	521	707	707	658	782	955	868	1194	908
825	745	707	707	782	707	782	658	608	608	782	825	956
745	868	955	695	608	707	707	938	1274	1835	1315	1114	1062
-	-	-	-	-	-	-	-	-	-	-	-	1084
390	347	-	-	-	-	-	-	-	-	-	-	412
608	608	521	521	434	434	521	-	-	-	434	707	625
-	-	-	-	-	-	-	-	-	-	-	-	739
-	-	-	-	-	-	-	-	-	-	-	-	-
782	614	434	614	564	608	608	608	-	-	-	-	781
-	-	-	-	-	-	-	-	-	-	-	-	-
782	707	608	707	707	707	744	707	608	782	911	955	800
868	912	565	909	1194	521	614	707	608	521	738	782	824
1035	1155	1155	1194	1045	695	608	344	608	608	608	608	949
955	955	869	955	782	869	868	745	782	782	745	1194	897
608	658	474	434	434	658	690	614	658	658	608	782	668
699	676	649	688	644	606	620	530	582	674	663	730	721

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
75	75	376	376	381	312	226	150	150	188	226	269	362
451	489	344	489	344	312	312	226	269	563	714	676	616
905	752	752	752	902	752	526	414	602	602	676	602	787
312	526	676	828	451	526	226	226	150	226	526	677	632
676	376	382	414	376	312	150	113	75	113	113	269	365
488	376	602	526	451	451	226	226	312	150	344	451	419
677	676	602	526	488	451	226	150	150	150	150	150	390
676	602	526	526	526	526	301	269	226	376	920	1120	485
564	602	639	564	489	344	312	226	226	752	752	676	574
414	376	312	-	-	-	-	752	338	-	-	754	517
226	344	344	386	269	312	312	269	339	376	376	451	410
413	602	526	451	376	312	226	226	226	312	376	564	374
677	639	602	451	488	344	188	150	188	451	451	226	547
188	150	269	380	376	150	226	226	188	75	75	150	233
526	564	526	451	376	376	312	301	312	451	676	752	471
658	707	782	707	825	608	390	217	217	174	174	260	677
376	451	376	301	301	376	312	312	226	226	188	150	612
488	526	451	526	488	451	451	269	150	113	150	419	426
489	564	639	451	376	376	269	226	226	150	344	413	464
-	-	-	-	-	-	-	-	-	-	-	-	539
150	150	150	150	-	-	-	-	-	-	-	-	214
451	376	451	376	344	226	150	150	113	188	188	312	358
602	526	451	376	456	376	301	150	226	150	150	150	506
451	526	488	451	451	451	312	226	226	150	312	382	443
602	488	312	451	451	526	526	564	451	451	376	714	679
752	752	526	413	376	376	312	150	150	226	226	226	560
526	413	451	376	376	376	344	301	312	376	376	376	533
639	790	602	752	752	451	269	150	150	150	226	226	486
790	828	752	639	488	376	231	150	150	188	226	269	425
676	602	639	602	527	526	344	312	231	75	75	188	435
376	413	269	226	188	344	376	312	269	226	150	231	253
510	509	494	480	453	404	298	256	236	272	341	417	479

IONES PESADOS POSITIVOS "N^+" por cm^3

Días \ Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	1795	1795	898	898	898	2690	3585	2690	5380	5380	11690	12590
2	1795	898	2690	1795	1795	2690	2690	1795	1795	4490	6295	7180
3	898	898	1795	898	898	1795	3585	2690	2690	2690	4490	2690
4	898	898	1795	898	898	3585	3585	898	1795	8060	13430	8950
5	1795	1795	1795	1795	2690	2690	3585	3585	5380	3585	3585	898
6	898	-	898	898	1795	2690	898	2690	898	1795	1795	4490
7	2690	3585	3585	1795	3585	8950	6295	2690	3585	6295	3585	3585
8	16130	12590	8060	8060	8950	11690	15250	-	3585	1795	1795	1795
9	-	-	-	-	-	7180	9860	6295	6295	6295	2690	2690
10	-	-	-	898	-	-	-	3585	2690	1795	3585	898
11	2690	2690	2690	2690	2690	898	1795	1795	3585	8060	10770	10770
12	3585	7180	6295	8060	11690	11690	8060	898	2690	5380	5380	10770
13	1795	1795	1795	898	1795	1795	898	898	1795	1795	2690	5380
14	3585	6295	5380	7180	8060	9860	6295	3585	8060	12590	8950	8950
15	12590	10770	8950	9860	8950	9860	8950	898	1795	898	1795	1795
16	-	-	-	898	898	1795	898	898	898	1795	1795	2690
17	2690	898	898	1795	898	898	898	898	898	898	5380	8950
18	8950	6295	5380	898	898	6295	1795	898	-	898	-	-
19	-	-	-	-	-	-	-	-	-	-	8950	8060
20	5380	-	-	-	-	-	-	-	-	-	-	-
21	6295	4490	2690	2690	4490	3585	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	2690	8950	5380	4490
23	-	-	898	-	-	-	-	-	-	-	-	-
24	1795	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	2690	1795	898	898	1795	1795
27	2690	2690	2690	3585	3585	4490	-	-	-	-	5380	898
28	-	2690	898	-	-	4490	3585	3585	1795	898	2690	1795
29	898	898	2690	898	2690	2690	-	-	-	-	-	-
30	898	898	-	-	898	-	1795	3585	4490	898	898	898
31	9860	10770	10770	9860	11690	14350	13430	5380	2690	2690	6295	5380
Promedio	4118	4040	3502	3202	3845	5302	4782	2478	3017	3862	5045	4933

IONES PESADOS NEGATIVOS "N^-" por cm^3

Días \ Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	5380	2690	2690	1795	4490	6295	8950	6295	15250	8950	18870	20350
2	5380	4490	4490	3585	5380	3585	5380	5380	8950	12590	9860	7180
3	3585	5380	5380	4490	3585	4490	4490	5380	8060	3585	11690	7180
4	3585	2690	3585	3585	8060	3585	4490	3585	2690	15250	6295	10770
5	-	-	2690	3585	-	-	3585	5380	-	5380	-	-
6	12590	-	-	4490	5380	2690	-	-	-	-	-	5380
7	11690	8060	-	-	4490	14350	-	-	8060	8060	9860	3585
8	-	12590	-	8950	16130	10770	14350	8950	9860	12590	3585	4490
9	6295	7180	5380	-	-	9860	8950	11690	13430	14350	13430	14350
10	-	-	-	-	-	-	7180	-	-	2690	-	-
11	4490	5380	6295	-	-	7180	5380	10770	8950	14350	17050	10770
12	-	8060	9860	9860	20770	13430	11690	4490	6295	8950	4490	16130
13	1795	2690	2690	3585	4490	2690	3585	2690	5380	3585	5380	8060
14	7180	9860	10770	12590	12590	11690	8060	9860	15250	-	8950	8950
15	20350	10770	17950	14350	20350	18870	6295	4490	-	-	-	3585
16	-	7180	8950	6295	10770	6295	-	-	-	3585	3585	-
17	-	3585	2690	3585	-	-	-	-	-	-	-	-
18	-	14350	14350	-	2690	4490	8950	7180	3585	-	-	-
19	9860	6295	7180	8950	7180	6295	4490	3585	8950	8950	8950	4490
20	7180	8950	1795	3585	-	2690	-	-	-	-	-	-
21	5380	4490	4490	4490	5380	7180	-	-	-	-	-	-
22	-	-	-	-	-	-	7180	1795	8950	5380	4490	4490
23	6295	5380	7180	4490	2690	3585	1795	7180	3585	1795	3585	4490
24	7180	4490	7180	16130	7180	6295	5380	7180	-	4490	5380	6295
25	1795	2690	4490	3585	3585	2690	3585	3585	3585	4490	3585	5380
26	2690	1795	2690	3585	3585	2690	-	3585	5380	8950	10770	10770
27	-	-	6295	5380	5380	7180	898	1795	3585	3585	3585	1795
28	4490	5380	3585	3585	3585	8060	8060	6295	1795	11690	8950	3585
29	5380	4490	4490	4490	5380	7180	2690	1795	4490	4490	3585	3585
30	5380	4490	3585	3585	4490	2690	5380	3585	5380	3585	4490	3585
31	18870	18870	18870	18870	17950	20350	6295	4490	5380	5380	5380	5380
Promedio	7128	6626	6523	6210	7732	7302	5884	5459	6819	7362	7643	7276

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
17950	18870	10770	4490	5380	10770	14350	14350	16130	13430	6295	6295	7890
7180	11690	13430	11690	11690	10770	11690	9860	8950	2698	898	898	5723
4490	6295	5380	4490	2690	2690	2690	3585	1795	1795	898	898	2655
5380	8950	1795	898	1795	1795	1795	3585	5380	1795	1795	898	3398
-	3585	-	-	-	898	898	8060	6295	4490	3585	1795	3139
898	898	898	898	4490	3585	3585	10770	2690	3585	3585	1795	2497
6295	6295	3585	4490	4490	3585	5380	4490	6295	8060	11690	11690	5274
1795	1795	898	-	-	898	898	3585	7180	3585	1795	-	5606
2690	2690	898	-	-	898	1795	3585	-	-	-	-	4143
898	898	2690	-	-	-	4490	7180	6295	3585	8950	3585	3468
8950	9860	11690	14350	10770	9860	7180	5380	3585	2690	2690	2690	5867
8060	8060	8950	8950	10770	10770	11690	11690	11690	6295	2690	1795	7629
5380	4490	6295	5380	6295	11690	14350	8950	8950	6295	898	5380	4487
9860	8950	5380	1795	2690	8950	7180	8950	11690	10770	10770	9860	7735
2690	3585	5380	7180	8060	7180	7180	6295	8950	1795	898	898	5717
3585	3585	2690	1795	4490	5380	5380	9860	10770	12590	8960	9860	4358
2690	2690	2690	2690	3585	4490	1795	5380	8060	8060	3585	7180	3287
-	898	1795	3585	1795	1795	3585	4490	6295	9860	9860	-	3813
1795	898	898	-	898	898	-	898	1795	2690	3585	1795	2763
-	-	-	-	6295	6295	7180	6295	5380	7180	5380	5380	6085
-	-	-	-	-	-	-	-	-	-	-	-	4040
3585	5380	1795	3585	3585	5380	8950	5380	7180	3585	4490	-	4650
-	-	-	-	-	-	-	-	2690	6295	6295	3585	3953
-	-	-	-	3585	4490	4490	7180	8060	8060	3585	-	5156
1795	4490	8060	5380	7180	5380	4490	898	-	1795	-	-	4385
898	1795	4490	8060	8060	8950	10770	10770	6295	8060	8060	10770	5380
1795	3585	3585	3585	2690	2690	1795	2690	3585	2690	898	1795	2870
2690	2690	898	1795	1795	2690	2690	898	2690	2690	898	898	2178
-	-	-	-	-	898	1795	898	2690	2690	1795	898	1319
898	-	-	-	-	2690	1795	1795	4490	6295	8950	8950	2130
5380	3585	7180	8950	15250	3585	1795	3585	5380	5380	8950	7180	7474
4484	5060	4672	5202	5579	4998	5416	5908	6473	5475	4740	4449	4608

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
23360	20350	14350	8950	13430	13430	23360	20350	17950	11690	11690	8950	12078
13430	20350	15250	12590	15250	14350	14350	12590	8950	3585	4490	4490	8997
6295	6295	5380	8060	5380	3585	4490	5380	5380	5380	3585	3585	5420
10770	-	-	3585	-	-	-	3585	-	-	-	-	5741
-	8060	-	-	-	10770	16130	-	8090	-	14350	-	7802
-	-	-	-	5380	6295	-	14350	-	-	5380	-	6882
10770	10770	4490	8950	9860	3585	-	9860	-	8950	9860	-	8544
8950	-	-	-	-	-	-	10770	16130	12590	11690	5380	10486
14350	-	11690	11690	-	-	12590	12590	9860	-	-	-	11105
8950	-	-	4490	5380	-	-	-	-	-	-	-	5738
13430	16130	20350	20350	17050	16130	-	-	7180	-	8060	6295	11347
11690	13430	13430	10770	13430	15250	16130	14350	15250	8060	6295	5380	11195
6295	8950	10770	8950	9860	17050	20700	14350	8950	5380	3585	6295	6990
10770	15250	10770	-	2690	13430	14350	17950	16130	16130	16130	16130	12067
5380	-	11690	8950	-	-	14350	17950	10770	11690	7180	2690	11537
-	-	5380	8060	-	9860	12590	7180	17950	21520	23360	22400	10935
-	4490	-	-	-	-	-	11690	8060	-	-	-	5683
-	13430	14350	13430	9860	11690	14350	16130	18870	18870	17950	8060	11810
3585	1795	4490	2690	2690	3585	4490	2690	2690	7180	6295	8950	5679
-	-	-	-	4490	7180	5380	7180	13430	6295	5380	6295	6141
-	-	-	-	-	-	-	-	-	-	-	-	5235
5380	3585	6295	7180	6295	8950	10770	8060	8950	7180	5380	6295	6478
2690	3585	1795	2690	4490	4490	6295	10770	9860	9860	15250	8060	5495
5380	8950	5380	7180	6295	6295	8060	10770	7180	8060	3585	5380	6943
6295	8060	7180	6295	2690	5380	2690	2690	6295	4490	4490	1795	4225
10770	11690	13430	21520	14350	14350	20700	10770	14350	17950	21520	15250	10571
3585	4490	4490	4490	3585	3585	3585	5380	5380	3585	5380	5380	4200
7180	7180	8950	9860	9860	3585	9860	12590	16130	11690	8950	10770	7736
5380	3585	2690	2690	3585	4490	10770	4490	5380	7180	5380	1795	4561
2690	2690	1795	3585	3585	6295	4490	5380	6295	7180	18870	17950	5460
5380	2690	8950	8060	10770	3585	5380	5380	7180	8060	7180	3585	9262
8448	8900	8841	8544	7837	8633	11124	10194	10486	9676	9664	7876	8008

COMPONENTE NORTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	3.0	3.0	6.0	10.6	1.5	3.0	3.0	9.1	9.1	16.6	10.6	18.1	10.6
2	1.5	6.0	7.6	7.6	7.6	6.0	3.0	7.6	9.1	13.6	15.1	9.1	6.0
3	1.5	9.1	4.5	13.6	6.0	6.0	4.5	4.5	10.6	15.1	7.6	6.0	3.0
4	4.5	6.0	3.0	6.0	3.0	4.5	3.0	4.5	4.5	9.0	3.0	- 1.6	1.5
5	9.1	6.0	6.0	10.6	4.5	1.5	1.5	- 1.6	9.1	13.6	10.6	10.6	3.0
6	7.6	6.0	7.6	9.1	6.0	4.5	3.0	7.6	9.1	15.1	10.6	13.6	7.6
7	9.1	7.6	7.6	9.1	4.5	- 3.2	- 3.2	1.5	10.6	18.1	13.6	12.1	- 1.6
8	4.5	1.5	3.0	10.6	6.0	- 6.4	- 6.4	1.5	4.5	4.5	10.6	- 4.7	3.0
9	10.6	3.0	4.5	7.6	- 1.6	- 3.2	1.5	3.0	6.0	7.6	4.5	- 1.6	6.0
10	1.5	7.6	7.6	6.0	6.0	3.0	1.5	1.5	4.5	6.0	9.1	1.5	1.5
11	-15.9	-14.3	-12.7	- 9.5	-22.3	-20.7	-14.3	- 8.0	- 6.4	- 4.7	- 8.0	-	- 9.5
12	- 4.7	1.5	1.5	3.0	-	-	-	- 6.4	3.0	4.5	4.7	6.0	4.5
13	3.0	1.5	3.0	6.0	- 3.2	- 3.2	- 3.2	1.5	9.1	15.1	6.0	6.0	1.5
14	5.0	6.0	3.0	10.6	4.5	3.0	1.5	4.5	7.6	12.1	6.0	7.6	7.6
15	7.6	7.6	6.0	10.6	4.5	6.0	4.5	3.0	9.1	15.1	16.6	13.6	15.1
16	6.0	10.6	9.1	12.1	9.1	6.0	7.6	9.1	12.1	12.1	12.1	13.6	7.6
17	7.6	15.1	12.1	13.6	9.1	10.6	4.5	4.5	7.6	16.6	19.7	12.1	10.6
18	6.0	7.6	10.6	10.6	7.6	6.0	6.0	6.0	12.1	13.6	15.1	13.6	13.6
19	13.6	13.6	9.1	15.1	10.6	10.6	7.6	12.1	13.6	10.6	16.6	10.6	12.1
20	6.0	9.1	12.1	13.6	9.1	4.5	6.0	7.6	9.1	10.6	9.1	10.6	9.1
21	13.6	13.6	10.6	12.1	4.5	3.0	3.0	3.0	9.1	10.6	7.6	10.6	6.0
22	7.6	6.0	12.1	15.1	6.0	6.0	3.0	3.0	4.5	-	-	-	-
23	10.6	15.1	10.6	9.1	7.6	9.1	9.1	12.1	13.6	18.1	15.1	15.1	6.0
24	7.6	12.1	12.1	16.6	6.0	6.0	9.1	7.6	13.6	13.6	9.1	15.1	13.6
25	13.6	16.6	15.1	15.1	10.6	7.6	6.0	6.0	10.6	12.1	16.6	12.1	12.1
26	9.1	13.6	13.6	18.1	7.6	9.1	6.0	3.0	9.1	10.6	13.6	15.1	18.1
27	13.6	12.1	12.1	12.1	10.6	7.6	7.6	6.0	10.6	13.6	16.6	19.7	18.1
28	- 8.0	-20.7	-19.1	12.1	18.1	16.6	6.0	10.6	19.7	-	-	-	-
29	15.1	10.6	10.6	10.6	7.6	6.0	4.5	4.5	6.0	15.1	9.1	12.1	10.6
30	10.6	10.6	6.0	6.0	3.0	3.0	3.0	3.0	4.5	9.1	10.6	9.1	10.6
31	3.0	12.1	6.0	10.6	3.0	4.5	1.5	- 8.0	1.5	6.0	3.0	6.0	- 4.7
Prom	6.0	7.0	6.5	10.0	5.2	3.9	3.0	4.0	8.3	11.5	10.2	9.7	7.0
Var.	0.6	1.6	1.1	4.7	- 0.2	- 1.5	- 2.4	- 1.4	2.9	6.1	4.8	4.3	1.6

COMPONENTE ESTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	17.1	22.8	21.4	20.0	8.6	4.3	8.6	10.0	8.6	10.0	2.8	8.6	10.0
2	15.7	18.5	17.1	20.0	17.1	17.1	14.2	10.0	5.7	4.3	8.6	11.4	12.8
3	14.2	25.8	22.8	14.2	12.8	5.7	5.7	8.6	11.4	12.8	14.2	12.8	17.1
4	24.2	25.6	22.8	21.4	10.0	4.3	10.0	12.8	8.6	11.4	11.4	8.6	7.1
5	20.0	24.2	21.4	15.7	10.0	5.7	8.6	11.4	11.4	15.7	15.7	12.8	14.2
6	17.1	21.4	21.4	18.5	10.0	10.0	10.0	17.1	11.4	14.2	14.2	20.0	17.1
7	20.0	25.6	21.4	18.5	12.8	4.3	5.7	14.2	14.2	14.2	14.2	12.8	12.8
8	20.0	21.4	20.0	18.5	12.8	8.6	7.1	8.6	7.1	10.0	8.6	10.0	11.4
9	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	12.8	12.8	14.2	10.0
11	18.5	18.5	14.2	5.7	2.8	2.8	5.7	8.6	12.8	12.8	11.4	-	12.8
12	22.8	17.1	8.6	-	-	-	-	8.6	12.8	15.7	14.2	12.8	12.8
13	20.0	24.2	25.6	15.7	11.4	4.3	10.0	10.0	14.2	15.7	12.1	12.8	15.7
14	21.4	22.8	20.0	18.5	14.2	8.6	10.0	14.2	14.2	14.2	12.8	11.4	11.4
15	20.0	24.2	21.4	15.7	4.3	8.6	14.2	14.2	14.2	17.1	10.0	12.8	10.0
16	17.1	21.4	21.4	20.0	20.0	17.1	15.7	12.8	10.0	10.0	8.6	10.0	15.7
17	14.2	25.6	24.2	21.4	8.6	18.5	12.8	17.1	15.1	17.1	15.7	15.7	11.4
18	22.8	22.8	21.4	20.0	8.6	7.1	7.1	18.5	14.2	18.5	17.1	12.8	15.7
19	12.8	20.0	18.5	15.7	10.0	8.6	11.4	12.8	12.8	11.4	7.1	14.2	12.8
20	18.5	24.2	18.5	18.5	11.4	5.7	10.0	8.6	12.8	12.8	12.8	15.7	18.5
21	22.8	25.6	20.0	21.4	5.7	7.1	12.8	14.2	14.2	12.8	12.8	12.8	14.2
22	21.4	25.6	20.0	20.0	10.0	8.6	11.4	11.4	12.8	-	-	-	-
23	15.7	22.8	20.0	22.8	18.5	20.0	15.7	11.4	10.0	12.8	12.8	10.0	14.2
24	15.7	24.5	22.8	15.7	14.2	11.4	14.2	15.7	15.7	14.2	11.4	14.2	12.8
25	22.8	25.6	21.4	21.4	18.5	20.0	18.5	18.5	12.8	14.2	18.5	12.8	14.2
26	17.1	25.6	25.6	20.0	11.4	10.0	12.8	12.8	14.2	17.1	15.7	14.2	17.1
27	17.1	25.6	22.8	22.8	12.8	8.6	15.7	15.7	15.7	15.7	12.8	14.2	15.7
28	22.8	29.9	28.5	12.8	11.4	8.6	14.2	15.7	14.2	-	-	-	-
29	10.0	18.5	17.1	15.7	11.4	10.0	11.4	12.8	15.7	17.1	11.4	12.8	17.1
30	2.8	10.0	14.2	17.1	15.7	11.4	10.0	11.4	10.0	5.7	10.0	10.0	14.2
31	- 9.9	14.2	15.7	18.5	12.8	11.4	10.0	12.8	14.2	11.4	11.4	12.8	12.8
Prom	17.0	22.6	20.4	18.1	11.7	9.6	10.8	12.8	12.4	13.3	12.2	12.7	13.6
Var.	3.1	8.7	6.5	4.2	- 2.2	- 4.3	- 3.1	- 1.1	- 1.5	- 0.6	- 1.7	- 1.2	- 0.3

LINEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
7.6	- 8.0	- 1.6	-11.1	- 4.7	- 3.2	3.0	6.0	6.0	9.1	4.5	4.7	1
- 8.0	- 6.4	- 9.5	- 4.7	- 3.2	- 4.7	3.0	6.0	3.0	7.6	6.0	3.7	2
7.6	1.5	1.5	1.5	- 1.5	3.0	4.5	9.1	3.0	13.6	- 6.4	5.4	2
9.1	- 3.2	- 4.7	-11.1	1.5	3.0	10.6	9.1	6.0	10.6	4.5	3.6	1
3.0	- 1.6	3.0	1.5	1.5	3.0	9.1	7.6	6.0	9.1	7.6	5.6	1
6.0	1.5	1.5	- 8.0	1.5	3.0	6.0	7.6	4.5	9.1	3.0	5.9	0
1.5	- 6.4	6.0	3.0	- 1.6	- 1.6	3.0	- 1.6	- 4.7	- 6.4	4.5	3.4	2
4.5	-11.1	-14.3	-17.5	- 9.5	-11.1	1.5	3.0	3.0	- 1.6	4.5	- 0.7	2
6.0	- 9.5	- 6.4	- 8.0	- 3.2	3.0	3.0	7.6	4.5	7.6	4.5	2.4	2
6.0	-	-	-	-	-	-11.1	-15.9	- 6.4	-14.3	-11.1	0.2	1
- 8.0	- 8.0	- 4.7	- 6.4	- 3.2	- 3.2	- 9.5	- 4.7	- 3.2	- 1.6	- 4.7	- 8.8	2
- 1.6	- 8.0	3.0	- 3.2	- 1.6	- 1.6	3.0	- 1.6	3.0	4.5	- 3.2	0.5	1
3.0	- 4.7	3.0	3.0	4.5	6.0	7.6	6.0	6.0	7.6	4.5	3.7	0
6.0	1.5	3.0	- 6.4	- 1.6	- 4.7	- 3.2	- 3.2	4.5	10.6	10.6	4.0	0
3.0	2.0	-19.1	- 6.4	1.5	3.0	6.0	9.1	6.0	10.6	7.6	5.9	1
6.0	- 1.6	- 3.2	- 3.2	- 3.2	4.5	9.1	13.6	10.6	16.6	7.6	7.7	0
6.0	1.5	3.0	1.5	4.5	1.5	12.1	12.1	12.1	15.1	10.6	9.3	2
9.1	3.0	1.5	1.5	- 4.7	4.5	9.1	12.1	10.6	13.6	7.6	8.2	1
7.6	9.1	6.0	3.0	4.5	3.0	3.0	9.1	12.1	15.1	9.1	9.9	2
6.0	3.0	3.0	3.0	4.5	3.0	9.1	7.6	10.6	13.6	9.1	7.9	0
7.6	1.5	3.0	3.0	6.0	- 1.6	4.5	10.6	6.0	7.6	4.5	6.7	1
-	-	-	-	-	-	-	-	-	10.6	10.6	7.7	1
7.6	3.0	4.5	4.5	3.0	4.5	6.0	9.1	7.6	13.6	4.5	9.1	2
12.1	7.6	13.6	7.6	9.1	9.1	12.1	12.1	15.1	15.1	12.1	11.2	0
7.6	9.1	6.0	15.1	4.5	4.5	7.6	13.6	9.1	12.1	6.0	10.4	0
13.6	6.0	6.0	6.0	7.6	7.6	18.1	15.1	15.1	18.1	13.6	11.4	1
12.1	3.0	9.1	7.6	16.6	12.1	3.0	6.0	10.6	7.6	15.1	11.0	2
-	-	-	-	-	-	-	-	-	-	6.0	4.1	2
3.0	1.5	- 3.2	- 6.4	- 3.2	- 1.6	3.0	3.0	4.5	6.0	6.0	5.6	0
3.0	- 1.6	- 1.6	- 1.6	3.0	- 4.7	- 4.7	4.5	6.0	9.1	1.5	4.2	0
10.6	- 4.7	1.5	- 6.4	1.5	1.5	4.5	7.6	3.0	4.5	7.6	3.2	2
5.4	- 0.7	0.4	- 1.3	1.4	1.5	4.6	6.2	6.0	8.5	5.4	5.4	
0.0	- 6.1	- 5.0	- 6.7	- 4.0	- 3.9	- 0.8	0.8	0.6	3.1	0.0		

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
10.0	10.0	14.2	8.6	7.1	10.0	11.4	14.2	14.2	21.4	14.2	12.0	1
12.8	17.1	14.2	10.0	12.8	5.7	7.1	10.0	8.6	15.7	12.8	12.5	2
15.7	14.2	11.4	14.2	12.8	10.0	10.0	12.8	15.7	17.1	11.4	13.5	2
5.7	5.7	10.0	8.6	7.1	7.1	5.7	11.4	14.2	18.5	14.2	11.9	1
10.0	14.2	15.7	11.4	10.0	11.4	8.6	12.8	12.8	17.1	14.2	13.5	0
17.1	14.2	18.5	12.8	14.1	10.0	12.8	14.2	20.0	20.0	15.7	15.5	0
5.7	12.8	14.2	11.4	10.0	5.7	7.1	10.0	12.8	21.4	15.7	13.2	1
10.0	11.4	11.4	11.4	8.6	4.3	7.1	11.4	14.2	18.5	-	11.8	2
-	-	-	-	-	-	-	-	-	-	-	-	-
14.2	18.5	-	-	-	-	- 2.8	7.1	14.2	4.3	7.1	10.2	0
11.4	14.2	11.4	8.0	7.1	18.5	15.7	24.2	18.5	18.5	20.0	12.8	1
12.8	11.4	17.1	15.7	15.7	12.8	14.2	14.2	18.5	21.4	17.1	14.8	0
15.7	10.0	17.1	12.8	12.8	12.8	8.6	12.8	12.8	21.4	15.7	14.3	1
14.2	12.8	11.4	18.5	15.7	12.8	12.8	14.2	21.4	20.0	18.5	15.2	1
12.8	11.4	14.2	14.2	14.2	11.4	11.4	12.8	14.2	22.8	14.2	14.2	1
15.7	15.7	14.2	14.2	11.4	11.4	10.0	12.8	11.4	20.0	14.2	14.6	1
17.1	18.5	18.5	15.7	14.2	11.4	7.1	12.8	12.8	21.4	17.1	16.0	1
20.0	17.1	14.2	14.2	14.2	11.4	10.0	14.2	17.1	21.4	20.0	15.8	2
15.7	17.1	17.1	15.7	11.4	12.8	4.3	11.4	17.1	21.4	17.1	13.7	2
18.5	17.1	18.5	15.7	12.8	8.6	11.4	12.8	15.7	18.5	20.0	14.9	2
15.7	17.1	17.1	12.8	14.2	11.4	10.0	14.2	11.4	21.4	12.8	14.8	2
-	-	-	-	-	-	-	-	-	25.6	17.1	16.7	2
15.7	11.4	11.4	10.0	10.0	11.4	7.1	10.0	11.4	18.5	14.2	14.1	1
12.8	14.2	15.7	12.8	17.1	14.2	10.0	17.1	18.5	22.8	18.5	15.7	0
18.5	18.5	15.7	14.2	15.7	12.8	12.8	15.7	17.1	18.5	12.8	17.1	1
18.5	14.2	17.1	15.7	17.1	14.2	4.3	1.4	- 2.8	12.8	12.8	14.1	2
15.7	12.8	17.1	14.2	11.4	12.8	12.8	17.1	15.7	24.4	21.4	16.3	2
-	-	-	-	-	-	-	-	-	-	- 2.8	15.5	1
10.0	14.2	12.8	12.8	11.4	10.0	10.0	11.4	14.2	18.5	5.7	13.0	1
14.2	15.7	12.8	11.4	10.0	12.8	7.1	11.4	10.0	18.5	- 4.3	10.9	2
12.8	11.4	12.8	10.0	12.8	10.0	10.0	10.0	14.2	15.7	4.3	11.3	2
13.9	14.0	14.6	12.8	12.3	11.0	9.2	12.7	14.1	19.2	13.5	13.9	
0.0	0.1	0.7	- 1.1	- 1.6	- 2.9	- 4.7	- 1.2	0.2	5.3	- 0.4		

PRESIÓN ATMOSFERICA

en mm. de Hg. al nivel del Observatorio: 700 mm.+ ..

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	60.2	59.8	59.3	59.8	60.8	62.8	62.5	62.1	62.0	62.3	63.0	62.5	62.3	62.0	61.7
2	63.2	63.2	63.4	63.7	64.2	64.4	64.8	64.7	64.5	64.6	64.5	64.1	63.6	63.4	62.8
3	62.1	62.0	62.0	62.1	62.5	62.5	62.2	61.9	61.1	60.3	59.9	59.2	58.2	57.4	56.2
4	54.4	53.7	53.3	53.2	56.0	57.6	54.6	53.4	54.5	54.2	54.4	54.4	54.3	54.1	54.1
5	57.3	57.3	57.4	57.4	58.2	58.5	58.4	59.1	59.2	59.3	59.3	58.9	58.5	58.1	57.2
6	56.5	56.1	55.9	56.1	56.2	56.3	56.3	56.1	55.8	55.3	56.2	55.9	55.2	55.0	54.2
7	54.6	54.6	54.4	54.5	55.0	55.8	55.7	55.4	55.2	54.9	54.6	54.5	54.1	53.9	53.6
8	54.0	53.6	53.5	53.6	53.8	53.9	54.0	54.1	53.8	53.8	53.7	53.4	53.0	52.8	52.6
9	54.1	53.6	53.2	53.9	54.2	54.6	54.8	54.8	54.7	54.7	54.6	54.4	54.2	53.9	53.3
10	54.3	54.1	54.2	54.5	54.7	55.0	55.4	56.2	55.7	55.8	55.5	55.3	55.2	54.6	53.7
11	58.1	58.1	58.1	58.7	59.9	60.4	60.8	61.6	61.9	62.6	62.9	63.1	63.3	63.9	63.5
12	64.4	64.3	64.0	64.3	65.0	65.2	66.0	66.0	65.6	65.6	65.6	65.8	65.8	65.2	64.9
13	63.9	63.8	63.3	63.2	63.4	63.6	64.0	63.7	63.4	63.3	63.3	62.7	62.4	62.4	61.6
14	59.7	60.1	60.1	60.4	60.6	60.6	60.7	61.0	60.8	60.6	60.5	60.2	60.0	59.9	59.4
15	59.8	59.5	59.2	59.3	59.4	59.9	60.2	60.2	60.2	60.2	60.1	59.7	59.4	59.2	58.7
16	59.1	59.4	59.8	60.4	61.0	61.6	62.2	62.4	62.2	62.1	62.0	61.0	60.5	59.9	59.6
17	61.4	61.6	61.8	62.4	63.0	63.5	64.0	64.2	63.4	62.7	61.9	60.8	59.7	58.8	58.7
18	59.9	59.4	59.1	58.8	58.5	58.6	58.6	58.2	57.4	57.0	56.9	57.2	57.2	56.4	55.6
19	55.1	54.6	54.5	54.6	54.8	56.6	57.4	57.4	56.5	55.4	56.1	55.8	55.6	55.4	55.5
20	58.7	58.4	59.0	59.5	59.7	60.0	60.3	60.6	60.4	60.1	59.8	59.5	59.2	58.6	58.6
21	60.1	59.7	59.5	59.5	59.8	59.8	60.1	59.9	59.5	59.0	58.9	58.5	57.8	57.4	57.4
22	58.6	58.3	58.1	58.2	58.6	59.0	59.6	59.6	59.4	59.2	59.2	58.9	59.0	58.8	58.3
23	59.6	59.8	59.9	60.0	60.2	60.7	61.1	61.4	61.4	61.0	61.2	60.9	60.7	60.1	60.1
24	60.1	60.1	60.6	60.5	60.5	60.8	61.5	61.9	62.1	62.3	62.5	62.6	62.7	62.3	62.3
25	63.5	63.4	63.4	63.8	64.5	65.1	65.6	66.0	66.1	66.0	65.6	65.6	65.2	64.7	64.2
26	63.3	63.0	62.8	62.8	62.8	62.9	62.8	62.7	62.8	62.7	62.3	61.9	61.7	61.5	60.7
27	59.1	58.9	58.6	58.7	58.6	58.4	58.3	58.0	58.0	57.8	57.5	57.4	56.8	56.6	55.8
28	54.1	53.9	53.8	53.9	53.9	54.1	54.4	54.1	53.9	53.6	53.1	52.9	52.4	52.6	52.3
29	54.7	54.3	54.3	54.7	54.9	55.6	56.0	56.3	56.2	56.0	56.2	55.8	55.6	55.4	55.0
30	55.3	55.4	55.3	55.3	55.3	56.0	56.1	56.6	56.5	56.4	56.3	56.3	56.1	55.9	55.7
31	55.3	54.8	54.9	55.4	55.9	56.1	56.4	56.5	56.3	56.1	55.8	55.5	54.8	54.5	53.6
Prom	58.5	58.4	58.3	58.5	58.9	59.4	59.5	59.6	59.4	59.2	59.1	58.9	58.5	58.2	57.8

TEMPERATURA DEL AIRE

a la sombra en grados C.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	17.0	16.4	16.2	16.2	16.1	15.4	14.9	14.8	16.2	17.1	17.1	18.4	19.0	19.4	19.5
2	15.5	14.8	14.1	13.3	12.9	14.4	15.9	17.4	18.9	19.6	20.8	21.4	22.2	22.6	23.2
3	16.9	16.3	15.7	15.4	14.9	16.2	17.1	18.6	20.0	21.0	21.4	23.6	23.9	24.8	24.2
4	20.7	20.2	20.1	19.5	18.2	16.1	16.0	17.0	17.9	18.8	19.3	19.6	22.0	20.8	21.3
5	14.0	13.2	12.4	11.4	10.6	11.6	15.6	19.0	20.9	22.4	23.2	24.1	24.6	24.6	24.7
6	14.9	14.4	14.0	13.7	12.9	15.6	17.9	21.0	22.5	24.4	25.5	25.5	26.6	25.6	26.6
7	16.9	16.2	15.6	14.3	13.5	15.4	18.6	21.6	23.1	25.0	27.0	27.4	28.4	28.6	28.1
8	14.6	14.8	14.6	13.7	14.1	16.5	21.2	24.4	26.5	27.8	29.1	29.8	30.3	30.6	31.0
9	22.0	19.7	18.3	17.3	16.9	17.7	21.3	24.0	26.9	28.3	29.9	30.9	31.1	31.6	31.6
10	18.5	17.6	17.4	17.6	17.6	19.5	22.5	23.2	24.6	26.1	27.7	29.7	30.6	31.0	30.5
11	17.5	17.4	17.2	16.5	15.0	14.7	15.1	16.2	17.6	19.0	21.0	21.2	21.8	22.2	21.9
12	11.2	11.1	10.4	9.9	9.5	10.7	16.5	18.0	18.5	19.3	19.9	19.8	20.6	21.2	20.7
13	16.8	15.9	15.3	15.0	14.4	15.8	17.4	17.6	19.9	21.8	22.3	22.7	23.3	23.6	23.8
14	16.5	15.6	14.2	14.1	13.7	14.0	18.9	21.4	22.7	23.9	24.6	25.5	25.9	26.4	26.9
15	15.1	14.8	14.2	13.9	13.1	14.3	18.2	19.2	21.2	21.4	22.2	22.8	23.3	23.4	23.6
16	17.8	16.9	16.1	15.4	14.9	16.5	18.3	20.4	22.0	23.5	23.9	25.5	26.3	26.5	26.7
17	19.9	19.1	18.7	18.3	18.2	18.9	20.7	22.0	23.9	24.6	26.2	27.0	27.7	27.0	28.1
18	19.4	18.4	17.8	17.6	17.4	17.5	21.4	24.2	26.3	27.7	29.1	29.5	29.4	29.8	29.8
19	20.6	19.2	19.1	18.7	18.5	19.0	19.0	18.2	19.2	23.0	25.1	26.0	26.3	25.6	25.3
20	18.5	17.3	16.7	16.2	15.5	15.4	16.1	17.0	19.4	21.5	22.3	21.8	21.2	22.0	21.5
21	13.5	12.6	12.1	11.8	11.5	12.6	14.8	19.2	20.9	22.7	23.1	23.4	23.5	24.4	23.6
22	14.2	15.0	14.9	15.1	13.6	14.9	13.0	21.4	22.7	24.6	25.1	26.0	26.2	27.0	27.5
23	19.3	18.7	18.2	16.9	16.3	17.4	20.2	22.8	24.4	26.1	27.5	28.2	29.1	29.2	29.5
24	19.6	18.7	17.7	17.3	17.1	18.5	19.8	22.2	24.1	26.4	27.5	27.9	27.5	27.6	27.8
25	20.4	19.4	18.6	17.5	16.0	18.0	19.8	21.2	22.2	23.0	24.0	25.2	25.5	26.2	26.7
26	19.0	18.4	17.5	16.6	16.2	18.0	20.2	20.6	22.3	22.2	24.2	24.4	25.6	26.0	26.4
27	18.8	18.0	17.4	17.2	17.1	18.3	20.2	22.8	24.3	26.0	27.0	27.3	28.0	28.4	28.6
28	20.6	20.0	19.8	19.0	18.6	20.4	23.6	26.0	28.2	30.6	32.5	33.2	32.8	27.6	27.9
29	19.4	18.7	18.0	17.8	17.7	17.9	18.1	20.0	22.3	24.3	25.7	26.0	27.3	27.5	27.8
30	17.1	16.4	16.0	15.1	14.9	15.4	18.2	20.0	20.9	23.4	25.4	25.8	26.1	26.0	26.2
31	15.5	14.5	13.7	13.0	12.8	13.8	19.3	23.2	24.7	26.2	28.2	28.8	30.3	30.8	30.5
Prom	17.5	16.8	16.2	15.7	15.2	16.1	18.6	20.5	22.1	23.6	24.8	25.4	26.0	26.1	26.2

16h	17h	18h	19h	20h	21h.	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
61.6	62.0	62.0	62.2	62.3	62.6	63.0	63.2	63.2	63.3	23-24	59.3	3	4.0	761.9 mm.	1015.8 mb.
62.5	62.3	62.2	61.8	62.0	62.1	62.2	62.3	62.1	64.8	7	61.7	19-20	3.1	63.3	1017.7
54.8	54.1	54.4	54.5	54.5	54.7	54.9	54.9	54.3	62.5	5,6	54.1	17	8.4	58.4	1011.2
54.1	54.2	54.6	55.7	56.1	57.0	57.3	57.4	57.5	57.5	24	53.2	4	4.3	55.0	1006.6
57.0	56.7	56.3	56.4	56.8	57.0	57.1	57.1	57.1	59.3	10,11	56.3	18	3.0	57.7	1010.2
54.0	53.7	54.3	54.3	54.7	55.0	55.1	55.1	54.9	57.1	0	53.7	17	3.4	55.3	1007.0
53.5	53.5	53.5	54.0	54.4	54.9	55.0	54.7	54.3	55.8	6	53.4	16-17	2.4	54.5	1006.0
52.3	52.4	52.9	53.3	53.7	55.1	55.6	55.7	54.0	56.6	22-23	52.3	16	4.3	53.7	1004.9
52.6	52.4	52.8	53.1	53.4	54.6	55.0	54.9	54.8	55.0	22	52.4	17	2.6	54.0	1005.3
54.7	55.0	55.3	54.5	56.6	57.5	57.2	57.9	57.3	58.6	22-23	53.7	15	4.9	55.4	1007.2
63.4	63.1	63.0	63.7	64.0	64.4	64.5	64.6	64.6	64.6	23,24	57.3	0	7.3	62.2	1016.2
64.8	64.7	64.7	64.6	64.6	64.8	64.5	64.6	63.9	66.0	7,8	63.9	24	2.1	65.0	1020.0
61.5	61.2	61.0	61.5	61.7	61.8	59.5	60.7	60.2	64.0	7	59.5	22	4.5	62.4	1016.5
59.0	58.9	59.2	59.3	59.9	60.1	60.2	60.2	60.2	61.0	8	58.9	17	2.1	60.1	1013.4
58.1	57.7	57.7	57.4	57.4	57.5	58.2	58.5	58.9	60.3	7-8	57.4	19,20	2.9	59.0	1012.0
59.1	59.1	59.3	59.5	59.9	60.2	60.6	60.8	61.0	62.4	8	58.9	0	3.5	60.5	1014.0
58.9	59.2	59.6	60.4	61.3	61.2	60.9	60.4	60.1	64.2	8	58.7	15	5.5	61.2	1014.9
55.3	54.8	54.5	54.6	54.6	55.0	55.2	55.1	55.1	60.1	0	54.5	18	5.6	56.8	1009.0
55.4	55.5	55.9	56.6	57.0	57.8	58.3	58.4	58.7	58.7	24	54.5	3	4.2	56.2	1008.2
58.6	58.8	59.1	59.6	59.9	60.2	60.2	60.1	60.1	60.6	8	58.4	2	2.2	59.5	1012.6
57.2	57.3	57.7	57.9	57.9	58.4	58.7	58.8	58.9	60.1	0,1,7	57.2	16	2.9	58.7	1011.6
57.9	58.0	58.1	58.6	59.0	59.5	59.6	59.8	59.7	59.8	23	57.9	16	1.9	58.9	1011.8
59.5	59.4	59.4	59.3	59.9	59.9	60.0	60.4	60.5	61.4	8,9	59.3	19	2.1	60.3	1013.7
62.1	62.0	62.3	62.7	63.4	63.6	63.5	63.5	63.7	63.7	24	60.1	1,2	3.6	62.1	1016.1
63.6	63.2	63.3	63.4	63.7	63.7	63.6	63.6	63.5	66.1	9	63.2	17	2.9	64.4	1019.2
60.1	59.6	59.5	59.5	59.5	59.5	59.4	59.4	59.3	63.5	0	59.3	24	4.2	61.4	1015.2
55.4	54.8	54.6	54.6	54.6	54.6	54.6	54.6	54.3	59.3	0	54.3	24	5.0	56.7	1008.9
52.2	52.3	52.6	53.4	53.6	54.2	54.4	54.6	54.8	54.8	24	52.2	16	2.6	53.6	1004.8
54.5	54.4	54.5	54.6	55.2	55.4	55.4	55.4	55.4	56.3	8	54.3	2,3	2.0	55.2	1006.9
55.2	54.8	54.6	54.8	55.2	55.7	55.8	55.7	55.6	56.6	8	54.6	18	2.0	55.7	1007.6
53.2	53.0	53.1	53.6	53.9	54.5	55.1	56.3	56.3	56.6	23-24	53.0	17	3.6	55.0	1006.6
57.5	57.4	57.5	57.7	58.1	58.5	58.5	58.8	58.5	60.3		56.7		3.6	58.5	1011.3

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
19.4	19.7	19.3	17.9	17.4	17.2	17.4	16.8	16.3	19.8	15-16	14.8	8	5.0	17.3
22.5	20.9	20.3	19.6	19.5	19.5	19.4	18.6	17.6	23.4	15-16	12.9	5	10.5	18.5
24.2	24.6	24.2	23.5	22.6	22.0	22.2	22.2	21.6	24.8	14	14.9	5	9.9	20.7
22.5	22.2	22.2	20.3	18.0	16.9	16.5	15.5	15.2	22.5	16	15.2	24	7.3	19.0
24.5	24.0	22.7	20.4	18.0	16.8	16.1	15.5	15.4	24.7	15	10.6	5	14.1	18.6
25.9	24.7	23.3	21.7	21.0	19.7	18.6	18.7	17.7	26.7	14-15	12.9	5	13.8	20.5
28.3	27.5	26.1	22.8	20.2	18.4	17.1	16.0	15.4	28.6	14	13.3	5-6	15.3	21.3
30.8	30.6	28.5	26.8	24.6	23.5	23.4	21.5	23.8	31.0	15	13.7	4	17.3	23.8
31.9	31.4	29.3	27.3	25.0	23.4	21.1	20.0	19.2	31.9	16	16.9	5	15.0	24.8
18.7	19.5	18.1	18.3	19.4	18.2	18.3	18.5	18.2	31.1	13-14	17.1	17-18	14.0	21.7
20.7	19.6	18.6	17.3	15.6	14.4	13.2	12.6	11.8	22.2	14	11.8	24	10.4	17.4
20.7	20.7	19.9	18.7	18.4	18.5	18.6	17.8	17.5	21.5	13-14	9.5	5	12.0	17.0
23.7	23.0	22.4	20.7	19.2	18.6	18.4	18.4	17.5	24.1	15-16	14.4	5	9.7	19.5
25.9	25.2	23.1	20.4	20.0	18.1	17.7	16.7	15.9	26.9	15	13.7	5	13.2	20.3
23.2	22.5	21.4	20.3	19.8	20.0	20.0	19.4	18.6	23.7	14-15	13.1	5	10.6	19.4
25.6	25.3	23.5	21.7	21.4	20.8	20.5	19.6	19.4	26.7	15	14.9	5	11.8	21.2
29.0	27.2	26.5	24.5	22.6	21.9	21.5	20.7	19.7	29.0	16	18.2	5	10.8	23.1
29.4	28.3	26.7	24.7	23.6	23.0	22.1	21.5	21.4	30.2	14-15	17.1	5-6	13.1	24.0
25.2	24.3	23.4	22.3	20.6	19.7	18.9	19.3	19.4	26.4	12-13	18.2	8	8.2	21.5
21.9	20.2	19.4	18.7	18.0	16.8	16.0	14.8	14.3	22.3	11	14.3	24	8.0	18.4
23.9	23.1	22.4	20.7	19.6	18.4	17.2	15.5	14.6	24.4	14	11.5	5	12.9	18.6
27.5	25.2	23.6	22.3	21.4	20.6	20.5	20.1	20.0	27.9	15-16	13.3	5-6	14.6	21.2
29.4	28.4	26.0	23.9	23.0	22.2	20.7	20.6	19.9	29.5	15	16.3	5	13.2	23.2
26.9	25.9	24.6	23.7	23.0	22.5	22.0	22.0	21.3	28.3	11-12	17.1	5	11.2	23.0
26.3	25.8	23.4	21.4	20.8	20.6	20.6	20.8	20.1	26.7	15	16.0	5	10.7	21.8
26.5	25.7	24.7	22.9	21.6	20.5	19.2	19.1	19.2	26.5	16	16.2	5	10.3	21.5
28.4	28.1	26.5	23.9	22.4	21.8	21.5	21.3	20.9	28.6	15	17.1	5	11.5	23.1
28.4	29.3	29.0	27.4	25.2	23.8	22.6	21.3	20.2	34.0	12-13	18.6	5	15.4	25.3
27.9	27.5	26.7	25.1	22.3	20.6	18.9	17.8	17.3	28.1	14-15	17.3	24	10.8	22.2
27.0	26.1	25.7	23.4	22.1	20.5	19.2	17.7	16.6	27.0	16	14.9	5	12.1	21.0
29.8	28.1	26.7	24.3	23.0	22.1	21.9	21.6	20.9	31.2	14-15	12.8	5	18.4	22.6
25.7	25.0	23.8	22.1	20.9	20.0	19.4	18.8	18.3	26.8		14.8		12.0	21.0

HUMEDAD RELATIVA en %

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	74	65	61	71	79	92	91	89	79	75	75	71	67	72	74
2	85	87	88	90	91	85	79	76	73	71	68	64	62	60	58
3	77	80	82	81	82	77	72	67	64	63	63	61	58	56	59
4	72	74	75	78	92	92	91	90	85	82	81	83	72	75	74
5	90	78	78	84	89	85	69	56	52	47	43	40	39	40	37
6	84	88	89	91	91	81	76	67	62	58	55	57	59	61	59
7	92	93	95	96	98	98	93	82	79	65	42	36	35	34	39
8	92	82	87	91	90	85	66	55	49	48	46	45	44	41	41
9	51	68	82	87	88	88	74	60	54	48	43	44	44	45	45
10	92	95	96	97	95	90	78	76	71	69	65	60	55	53	59
11	98	99	99	99	93	88	83	77	75	72	68	66	63	58	55
12	85	86	91	93	94	90	70	63	60	58	56	58	57	57	59
13	76	77	81	86	90	83	71	67	60	56	55	54	54	53	51
14	90	95	96	97	98	80	70	65	61	55	54	52	51	49	47
15	95	96	95	96	100	97	83	74	63	61	58	57	54	52	53
16	77	80	86	89	91	86	78	65	58	54	51	48	44	42	41
17	73	76	79	82	84	85	79	72	66	62	56	50	45	47	43
18	91	94	92	87	86	84	72	60	52	48	44	41	46	44	42
19	64	70	72	77	80	80	81	88	83	70	65	57	57	57	58
20	94	91	91	91	91	89	86	80	72	66	64	63	70	70	69
21	92	96	97	98	99	95	89	73	67	49	47	48	53	50	50
22	96	91	88	88	97	100	90	73	66	53	50	47	43	37	33
23	84	85	78	82	84	82	74	64	56	53	45	38	33	33	27
24	69	71	76	72	71	67	60	64	48	42	34	31	34	36	32
25	70	70	72	77	76	78	74	65	55	50	47	44	44	43	37
26	77	82	87	93	94	87	79	72	66	64	58	54	49	46	43
27	80	84	88	91	93	90	81	71	64	58	48	49	43	43	43
28	84	84	84	83	81	76	68	57	51	45	40	36	35	56	52
29	98	98	97	98	98	96	95	87	73	65	58	55	50	47	46
30	90	93	95	94	97	95	89	81	70	65	58	56	56	55	51
31	93	93	93	94	94	94	84	63	58	50	43	39	35	38	44
Prom.	83	85	86	88	90	87	79	71	64	59	54	52	50	50	49

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	10.5	8.5	8.5	9.5	10.5	12.5	11.5	11.1	10.5	10.5	10.5	11.0	11.0	12.1	12.0
2	10.5	10.5	10.5	10.0	10.0	10.0	10.0	11.2	11.5	12.0	12.0	11.5	12.5	12.2	12.0
3	11.0	10.5	10.0	10.5	10.0	10.5	10.5	10.8	10.5	11.5	11.5	13.5	12.5	13.1	13.0
4	13.0	12.5	12.5	13.0	14.0	12.5	12.5	13.0	12.5	13.0	13.5	14.0	14.0	13.6	13.5
5	10.0	8.5	8.0	8.0	8.0	8.0	8.5	9.1	9.5	9.5	9.0	8.5	8.5	9.5	8.5
6	10.0	10.5	10.0	10.5	10.0	10.5	11.5	12.3	12.5	13.0	12.5	14.0	14.5	14.9	14.5
7	13.0	12.5	12.0	11.5	11.0	12.5	14.5	15.7	16.0	14.5	11.0	10.0	9.0	10.2	10.5
8	11.0	10.0	10.5	10.5	10.5	11.5	12.5	11.6	12.0	13.0	14.0	13.0	13.5	12.7	14.0
9	10.0	11.5	12.5	12.5	12.5	13.0	13.5	13.3	13.5	13.5	13.0	14.0	14.0	15.6	14.5
10	14.5	13.0	14.0	14.5	13.5	14.5	15.5	16.1	16.5	17.0	17.0	17.5	17.0	17.9	18.5
11	14.5	14.0	14.0	13.5	11.5	10.5	10.5	10.6	10.5	11.5	12.5	12.5	12.0	11.5	10.0
12	8.0	8.5	8.5	8.0	8.0	8.0	9.0	9.7	9.0	9.5	9.5	9.5	10.0	10.6	10.0
13	11.0	10.0	10.5	11.0	10.5	11.0	10.5	10.0	9.5	11.0	10.5	10.5	11.0	11.6	11.5
14	12.0	12.0	11.5	11.5	11.0	9.0	11.0	11.9	12.5	11.5	12.0	12.5	13.0	12.8	12.5
15	11.5	12.0	11.0	11.5	10.5	11.5	12.5	14.7	11.5	11.5	11.5	11.5	11.0	11.1	11.0
16	11.5	11.0	11.5	11.0	11.5	12.0	12.0	12.3	11.0	11.0	11.5	11.5	10.5	11.0	11.0
17	12.5	12.5	12.0	12.5	12.5	13.0	14.0	14.2	14.5	14.0	14.5	12.5	11.5	12.7	12.0
18	15.5	14.5	14.0	13.0	13.0	12.0	13.5	13.5	13.0	13.0	12.5	13.0	14.5	13.8	13.0
19	11.0	11.0	12.0	12.0	12.0	12.5	13.5	13.7	13.5	14.0	14.5	14.5	14.5	13.9	13.5
20	14.5	13.5	13.0	12.5	12.0	11.0	11.5	11.4	12.0	12.5	12.5	12.0	12.5	13.9	12.5
21	10.5	10.5	10.0	10.0	9.5	10.0	11.0	12.2	12.5	9.5	10.0	10.0	11.0	11.5	10.0
22	11.5	11.5	11.0	11.0	11.0	12.0	14.0	13.9	13.5	12.0	11.0	11.5	10.5	10.0	9.0
23	13.5	13.0	12.0	11.5	11.0	12.0	12.5	13.4	13.0	13.0	11.5	10.5	9.5	10.2	8.5
24	11.5	11.5	11.5	10.5	10.5	10.5	9.5	12.8	10.5	12.0	9.0	9.0	9.0	9.9	9.0
25	12.0	11.0	11.5	11.5	10.5	11.5	12.5	12.1	10.5	10.0	10.5	10.0	10.0	11.2	9.5
26	12.5	13.0	13.0	13.0	12.5	13.5	13.5	13.1	13.5	12.5	13.0	12.0	11.5	11.7	11.5
27	11.5	12.5	13.0	13.5	13.5	13.5	14.5	14.7	14.0	14.5	12.5	12.5	12.0	12.2	12.0
28	14.5	14.0	14.0	13.5	13.0	13.5	14.5	14.4	15.0	13.5	13.5	14.0	12.0	15.5	14.5
29	16.0	15.5	15.0	14.5	14.5	14.5	14.0	15.1	14.5	14.0	14.0	13.0	12.5	13.0	13.0
30	12.5	12.5	12.5	11.5	12.0	12.0	13.5	14.1	12.5	13.0	13.5	14.0	14.5	13.7	13.0
31	12.0	11.0	10.5	10.0	10.0	10.5	13.5	13.5	13.0	12.0	12.0	11.0	10.5	13.4	13.5
Prom.	12.0	11.7	11.6	11.5	11.3	11.6	12.3	12.8	12.4	12.4	12.1	12.1	11.9	12.5	12.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
72	71	69	77	81	82	83	88	86	93	6-7	61	3	32	77
56	67	71	76	81	81	70	71	75	91	5	56	16	35	74
61	57	59	62	67	70	68	68	69	82	3,5	56	14	26	68
69	70	72	84	94	94	95	96	78	96	23	69	0,16	27	82
40	45	51	67	72	78	83	83	81	90	1	37	15	53	64
63	67	72	83	83	86	90	89	90	91	4,5	55	11	36	75
35	39	51	67	81	86	93	95	94	99	5-6	32	15-16	67	72
42	44	53	70	77	79	85	63	42	94	0	38	23-24	56	63
45	48	51	63	72	76	81	86	87	91	6-7	42	0	49	64
94	93	99	99	94	100	98	96	97	100	21	52	14-15	48	84
59	59	56	56	62	67	72	76	82	99	2,3,4	55	15	44	74
59	61	65	77	78	78	77	77	75	94	5	56	13-14	38	72
49	50	56	62	72	78	83	82	85	90	5	49	16	41	68
48	51	59	64	76	82	85	91	93	98	5	47	15	51	71
57	60	65	72	79	81	74	70	73	100	5	51	14-15	49	74
44	47	62	72	75	75	79	85	82	91	5	41	15	50	67
40	59	59	69	79	80	81	87	90	90	24	36	15-16	54	68
44	46	54	64	68	72	77	70	65	94	2	41	12	53	64
58	60	61	68	80	85	89	88	89	89	22,24	56	13-14	33	72
68	71	73	75	74	77	79	86	89	94	1	62	12,13	32	78
48	51	54	64	70	78	85	90	94	99	5	43	11-12	56	72
40	54	64	69	73	79	77	77	81	100	6	30	15-16	70	69
30	40	51	61	69	72	78	81	82	85	2	27	15	58	62
34	35	46	57	63	65	71	70	70	82	0	32	15	50	55
39	41	56	72	76	78	78	73	72	79	20-21	35	15-16	44	62
43	46	53	59	67	77	84	89	80	94	5	43	15,16	51	69
43	46	51	60	69	78	82	84	85	93	5	42	13-14	51	68
57	50	48	58	68	82	88	92	97	97	24	33	12-13	64	66
45	45	46	55	69	78	84	86	88	98	varios	45	16,17	53	73
49	50	53	74	78	85	88	90	92	97	5	49	16	48	75
47	55	64	75	81	82	85	86	83	94	4,5,6	31	13-14	63	70
51	54	60	69	75	79	82	83	82	93		45		48	70

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
12.0	12.0	11.0	11.5	12.1	12.0	12.0	12.0	12.0	12.1	14,20	8.5	2,3	3.6	11.1
11.5	12.0	12.5	13.0	13.6	13.5	11.0	11.5	10.5	13.6	20	10.0	varios	3.6	11.5
14.0	13.0	13.0	13.5	13.7	13.0	13.5	13.5	13.0	14.0	16	10.0	3,5	4.0	12.1
13.5	13.5	14.0	14.5	14.4	13.0	13.0	12.5	10.0	14.5	19	10.0	24	4.5	13.2
8.5	9.5	10.5	12.0	11.1	11.0	11.0	10.5	10.5	12.0	19	8.0	varios	4.0	9.4
15.5	15.5	15.0	15.5	15.4	14.5	13.5	14.0	13.0	15.5	16,17,19	10.0	1,3,5	5.5	13.0
9.0	10.0	13.0	13.5	14.3	13.5	13.5	12.5	12.0	16.0	9	9.0	13,16	7.0	12.3
14.0	14.0	15.0	17.0	17.7	16.5	17.5	12.0	9.0	17.7	20	9.0	24	8.7	13.0
15.0	16.0	16.0	16.5	17.7	16.5	15.0	15.0	14.5	17.1	20	10.0	1	7.1	14.1
14.5	15.5	15.0	15.0	15.8	15.0	15.0	15.5	15.0	18.5	15	13.0	2	5.5	15.6
10.0	9.5	9.0	8.5	8.3	8.0	8.0	8.0	8.5	14.5	1	8.0	21,22,23	6.5	10.7
10.0	11.0	10.5	11.5	12.4	12.0	12.0	11.5	10.5	12.4	20	8.0	varios	4.4	9.9
10.0	10.0	11.5	11.0	11.9	12.0	13.0	13.0	12.0	13.0	22,23	9.5	9	3.5	11.0
11.5	12.5	12.0	11.0	13.2	12.5	12.0	13.0	12.0	13.2	20	9.0	6	4.2	11.9
12.0	11.5	11.5	12.5	13.6	14.0	12.5	11.0	11.5	14.7	8	10.5	5	4.2	11.8
10.0	11.5	13.5	14.0	14.2	13.0	13.5	14.0	13.5	14.2	20	10.0	16	4.2	12.0
11.5	15.5	14.5	15.5	16.1	15.0	15.5	15.5	14.5	16.1	20	11.5	13,16	4.6	13.7
13.0	13.5	13.5	14.5	14.8	15.0	15.0	12.5	12.0	15.5	1	12.0	6,24	3.5	13.6
13.5	13.0	13.0	13.5	14.4	14.0	14.0	14.5	14.5	14.5	varios	11.0	1,2	3.5	13.4
13.0	12.5	12.0	11.5	11.4	11.0	10.5	10.5	10.5	14.5	1	10.5	22,23,24	4.0	12.1
10.5	11.0	10.5	11.0	11.9	12.0	12.0	11.5	11.0	12.5	9	9.5	5,10	3.0	10.8
10.0	12.5	13.5	13.5	13.9	14.0	13.5	13.5	14.0	14.0	7,21,24	9.0	15	5.0	12.2
8.5	10.5	13.0	13.5	14.5	14.0	14.0	14.5	14.0	14.5	20,23	8.5	15,16	6.0	12.2
8.5	8.0	11.0	12.5	13.2	12.5	14.0	13.0	12.5	14.0	22	8.0	17	6.0	10.9
9.5	10.5	12.0	13.5	14.0	14.0	14.0	13.0	12.5	14.0	20,21,22	9.5	15,16	4.5	11.6
11.0	11.5	12.0	12.0	12.8	14.0	13.5	14.0	12.5	14.0	21,23	11.0	16	3.0	12.6
12.0	13.5	13.5	12.5	13.9	14.0	15.5	15.5	15.0	15.5	22,23	11.5	1	4.0	13.4
16.5	14.0	14.0	15.5	16.3	18.0	17.5	17.0	17.0	18.0	21	12.0	13	6.0	14.8
11.5	11.5	12.0	12.5	13.8	14.0	13.0	13.0	12.0	16.0	1	11.5	16,17	4.5	13.6
12.5	11.5	13.0	15.5	15.6	14.5	14.5	13.0	13.0	15.6	20	11.5	4,17	4.1	13.2
14.5	14.5	16.0	16.0	16.9	16.0	16.0	16.5	15.0	16.9	20	10.0	4,5	6.9	13.2
11.8	12.3	12.8	13.3	13.9	13.6	13.5	13.1	12.5	14.8		10.0		4.8	12.4

VIENTO: DIRECCIÓN Y VELOCIDAD: PREVALENCIAS

HORAS / DÍAS	0 – 1		1 – 2		2 – 3		3 – 4		4 – 5		5 – 6		6 – 7		7 – 8		8 – 9		9 – 10		10 – 11		11 – 12		12 – 13		13 – 14		14 – 15	
	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.
1	E	12	E	13	E	10	E	13	E	9	E	4	E	5	E	6	SE	5	E	3	SE	7	E	5	SE	6	SE	9	E	17
2	E	9	E	10	E	9	E	7	E	11	E	10	E	16	E	18	E	17	E	14	E	13	E	15	E	17	E	18	E	10
3	NE	13	NE	20	NE	13	NE	16	NE	14	NE	19	NE	20	NE	21	E	24	E	23	E	21	NE	18	NE	19	NE	16	NE	21
4	NE	24	NE	22	NE	18	NE	18	NE	17	SW	19	SW	6	SE	5	SE	3	SE	4	Calma	0	SW	5	SW	6	SW	5	SW	4
5	SW	6	SW	5	SW	2	SW	3	Calma	1	SW	2	SW	4	SW	4	SW	3	Calma	1	W	4	W	5	W	4	NW	7	NW	8
6	N	8	N	7	N	5	N	5	Calma	1	N	6	N	11	N	12	N	15	N	16	NW	14	NW	19	NW	12	NW	8	NW	10
7	W	4	W	5	W	4	W	2	Calma	1	Calma	1	NW	4	W	3	W	5	W	5	W	6	W	6	W	8	W	9	SW	11
8	N	4	Calma	1	Calma	1	Calma	0	N	4	N	3	N	4	N	10	NW	14	NW	17	NW	16	W	15	W	11	W	14	W	12
9	SW	7	SW	4	Calma	0	SW	2	N	2	Calma	0	Calma	1	NE	3	Calma	1	N	7	N	7	NW	11	NW	12	NW	11	NW	9
10	Calma	1	Calma	1	Calma	1	Calma	1	SW	2	W	2	SW	2	NE	10	NE	9	NE	9	NW	6	NW	7	NW	5	NW	7	NE	4
11	SW	2	S	5	S	3	S	5	S	3	S	3	SE	4	SE	3	SE	4	SE	6	SE	4	SE	4	SE	5	SE	7	SE	7
12	SE	4	SE	2	S	4	S	2	S	3	S	2	SE	5	E	17	E	15	SE	14	SE	19	E	14	E	15	E	13	E	14
13	NE	14	NE	13	NE	14	NE	14	NE	11	NE	16	NE	13	NE	16	NE	17	NE	16	NE	10	NE	13	NE	9	NE	8	E	7
14	Calma	0	Calma	1	Calma	0	Calma	1	Calma	0	NE	3	NE	5	NE	3	NE	3	SE	3	SE	4	SE	4	SE	5	SE	3	SE	5
15	Calma	1	SE	2	SE	2	SE	4	Calma	1	Calma	0	NE	13	NE	13	NE	13	NE	13	NE	12	NE	12	NE	14	NE	11	E	13
16	NE	15	NE	10	NE	7	NE	6	NE	6	NE	7	NE	10	NE	15	NE	14	NE	20	NE	18	NE	15	NE	11	NE	15	NE	12
17	NE	10	NE	13	N	10	N	11	N	8	N	7	NW	12	NW	14	NW	10	NW	10	NW	7	NW	8	NW	2	NW	3	NE	2
18	E	4	SE	3	NE	3	N	5	N	5	N	4	N	6	N	7	N	9	N	7	N	6	N	7	NE	9	NE	9	NE	7
19	N	12	N	12	N	11	N	9	N	9	N	10	W	11	SW	10	SE	6	SE	11	SW	7	SW	4	SW	9	SW	12	SW	8
20	SE	5	SE	9	SE	7	SE	6	SE	9	SE	8	SE	8	SE	6	SE	5	SE	10	SE	8	SE	3	NE	6	NE	10	E	11
21	Calma	1	S	2	Calma	0	S	3	Calma	1	S	2	Calma	0	Calma	1	SE	3	SE	3	SE	3	SE	5	NE	8	E	3	NE	4
22	SE	5	E	6	SE	3	SE	7	SE	3	Calma	1	N	4	N	7	NE	7	NE	5	E	5	E	7	NE	6	NE	6	SE	6
23	E	6	NE	6	N	5	N	7	N	8	N	10	N	14	N	13	N	12	N	12	N	9	NE	8	NE	10	NE	9	NE	6
24	N	7	N	4	N	2	N	6	N	4	N	5	N	8	N	8	N	7	N	3	SE	5	E	6	NE	8	NE	8	NE	11
25	SE	7	NE	9	NE	8	NE	7	NE	10	NE	9	NE	10	NE	15	NE	13	NE	16	NE	15	NE	13	NE	14	NE	11	SE	12
26	NE	9	NE	9	NE	9	NE	6	NE	4	NE	7	NE	12	NE	15	NE	12	NE	11	NE	15	NE	16	NE	13	SE	12	SE	14
27	NE	6	NE	6	NE	7	NE	7	NE	6	NE	8	NE	11	NE	10	NE	10	NE	9	NE	8	NE	8	E	8	NE	6	NE	8
28	NE	6	NE	4	NE	7	N	6	N	5	N	4	NW	4	NW	8	NW	11	NW	11	W	12	SW	10	SW	9	SW	11	NW	12
29	SE	3	Calma	1	Calma	1	Calma	1	S	2	S	2	S	5	S	4	S	7	S	7	S	8	S	9	S	10	S	8	S	9
30	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	S	3	S	4	S	3	S	5	S	8	S	6	S	7	S	6	S	6	S	5
31	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	S	2	SE	3	SE	5	SE	3	SE	5	SE	5	SE	5	NE	5
DIRECCION PREVALENTE	NE		NE		NE		N-NE		N-Calma		N		NE		NE		NE		NE-SE		SE		NE		NE		NE		NE	
NUMERO DE HORAS	8		10		9		7		8		8		8		10		9		8		8		8		12		11		10	
PROM. HOR. DE LA VELOCIDAD		7		7		5		6		5		6		8		9		9		10		9		9		9		9		9

15 – 16		16 – 17		17 – 18		18 – 19		19 – 20		20 – 21		21 – 22		22 – 23		23 – 24		PREVALENCIA DIARIA		PROMEDIO DIARIO DE VELOCIDAD	VELOCIDAD INSTANTÁNEA		
DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIREC.	VELOC.	DIRECCIÓN	NÚMERO DE HORAS		VELOCIDAD	DIRECCIÓN	HORA
E	17	E	11	SE	9	SE	4	SE	2	SE	5	E	7	SE	6	SE	5	E	14	8	27	E	15.40
E	16	SE	16	SE	14	SE	10	E	15	E	10	E	17	NE	23	NE	23	E	19	14	36	NE	22.20
NE	19	NE	25	NE	21	NE	15	NE	19	E	15	E	21	NE	21	NE	23	NE	19	19	40	NE	6.12
SE	3	S	2	S	3	Calma	0	Calma	0	SW	5	SW	2	SW	2	SW	6	SW	10	7	48	SW	5.00
NW	9	NW	10	NW	9	N	4	N	2	N	5	N	5	N	5	N	7	SW	8	5	22	NW	15.10
NW	12	NW	9	NW	11	NW	4	NW	9	NW	5	W	4	W	6	W	3	NW	11	9	38	NW	11.30
SW	11	SW	8	SW	2	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	W	7	4	25	SW	14.32
W	9	W	9	W	6	Calma	0	Calma	0	Calma	1	S	2	SW	11	NW	11	Calma	6	7	37	NW	23.40
W	7	NW	5	SW	3	Calma	1	Calma	0	NE	4	NE	17	N	13	N	6	Calma	6	6	32	NE	21.28
SE	19	E	12	SE	18	NE	2	SE	5	SE	11	SE	7	NW	13	NW	11	NW	6	7	49	SE	17.16
SE	11	SE	12	SE	9	SE	10	SE	7	SE	6	SE	7	SE	5	SE	3	SE	18	6	22	SE	16.04
E	13	SE	13	SE	11	SE	9	SE	7	SE	8	SE	10	E	6	NE	11	SE	11	10	30	E	11.48
E	5	E	5	SE	7	SE	6	SE	9	SE	6	N	9	N	7	S	6	NE	14	10	32	NE	7.36
SE	5	SE	4	SE	5	SE	7	SE	5	SE	4	SE	4	Calma	1	SE	2	SE	14	3	15	SE	17.32
SE	14	SE	15	SE	14	SE	13	SE	10	SE	11	E	12	NE	16	NE	16	NE	10	10	30	SE	17.16
NE	10	NE	10	NE	8	E	6	E	5	SE	5	SE	7	SE	4	NE	3	NE	19	10	30	NE	9.12
NW	2	NE	6	NE	7	NE	7	E	7	E	7	E	6	E	3	SE	4	NW	9	7	24	NW	7.56
NE	10	NE	9	NE	8	NE	7	E	7	SE	7	SE	5	NE	3	N	8	N	10	6	18	NE	13.16
S	8	S	6	S	8	Calma	0	Calma	0	Calma	0	Calma	0	Calma	0	S	5	N SW	6	7	26	SW	7.44
E	10	E	13	E	9	SE	7	SE	6	SE	3	SE	6	SE	2	SE	4	SE	18	2	22	NE	13.56
NE	8	NE	8	NE	7	NE	7	E	5	E	4	SE	3	SE	3	SE	4	SE	7	4	13	NE	12.44
SE	7	NE	8	NE	7	NE	4	E	5	E	5	SE	8	E	6	E	7	NE E SE	7	6	12	SE	15.44
NE	5	NE	8	NE	8	NE	7	SE	4	SE	5	SE	4	SE	6	SE	6	N NE	9	8	23	N	7.28
NE	12	E	10	E	10	E	10	SE	8	SE	6	SE	4	SE	9	SE	9	N	10	7	18	NE	14.37
SE	11	SE	11	SE	18	SE	16	SE	15	SE	10	SE	11	SE	11	NE	12	NE	14	12	24	SE	18.24
SE	10	SE	11	SE	13	SE	9	SE	7	SE	6	SE	3	SE	4	NE	6	NE	14	10	22	NE	6.56
NE	7	NE	6	NE	7	NE	8	NE	8	NE	6	NE	7	NE	6	NE	8	NE	23	8	21	NE	6.36
N	10	NW	9	S	10	S	2	S	2	Calma	1	SE	4	SE	2	SE	3	NW	6	7	23	S	17.10
S	6	S	8	S	7	S	4	Calma	0	Calma	0	Calma	0	Calma	0	Calma	1	S	15	4	23	S	12.12
S	6	S	4	S	4	SE	4	NE	3	Calma	0	Calma	0	Calma	0	Calma	0	S	13	3	19	S	11.28
NE	10	NE	10	NE	9	NE	8	NE	7	E	6	E	6	S	5	S	8	Calma	7	4	19	E	22.59

																		PREVALENCIA MENSUAL		VELOCIDAD MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
NE–SE		NE		SE		SE		SE		SE		SE		SE		SE		Dirección	Horas		72 Km.		
8		9		10		11		12		14		14		10		9		NE	186	8	DIRECCIÓN	DÍA	HORA
	10		9		9		6		6		5		6		6		7				NE	2	de 23.20 a 23.25

FRECUENCIAS, KILÓMETROS RECORRIDOS Y VELOCIDAD MEDIA POR DIRECCIÓN

DÍAS	NORTE		NORESTE		ESTE		SUDESTE		SUD		SUDOESTE		OESTE		NOROESTE		Calma	TOTALES DIARIOS DE KILÓMETROS
	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	
1					14	132	10	58										190
2			2	46	19	252	3	40										338
3			19	353	5	104												457
4			5	99			4	15	2	5	10	60					3	179
5	6	28									8	29	3	13	5	43	2	115
6	9	85											3	13	11	113	1	212
7											4	32	11	57	1	4	8	95
8	5	25							1	2	1	11	7	76	4	58	6	175
9	5	35	3	24							4	16	1	7	5	48	6	133
10			5	34	1	12	5	60			2	4	1	2	6	49	4	165
11							18	114	5	19	1	2						135
12			1	11	8	109	11	102	4	11								233
13	2	16	14	184	3	17	4	28	1	6								251
14			4	14			14	60									6	77
15			10	133	2	25	9	85									3	245
16			19	212	2	11	3	16										239
17	4	36	6	45	4	23	1	4							9	68		176
18	10	64	9	65	2	11	3	15										155
19	6	63					2	17	4	27	6	50	1	11			5	168
20			2	16	4	43	18	112										171
21			6	42	3	12	7	24	3	7							5	88
22	2	11	7	43	7	41	7	39									1	135
23	9	90	9	67	1	6	5	25										188
24	10	54	4	39	4	36	6	41										170
25			14	162			10	122										284
26			14	144			10	89										233
27			23	173	1	8												181
28	4	25	3	17			3	9	3	14	3	30	1	12	6	55	1	163
29							1	3	15	96							8	103
30			1	3			1	4	13	67							9	75
31			6	49	2	12	6	26	3	15							7	103
SUMAS	72	532	186	1975	82	854	161	1108	54	269	39	234	28	191	47	438	75	5632
% PREVAL POR VELOCIDAD	9.4		35.0		15.2		19.7		4.8		4.2		3.4		7.8		0.6	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	7		11		10		7		5		6		7		9		0	182

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	4	8	4	5		3	1		6
1 - 2	3	10	3	4	2	2	1		6
2 - 3	5	9	2	3	2	1	1		8
3 - 4	7	7	2	3	3	2	1		6
4 - 5	8	7	2	2	3	1			8
5 - 6	8	7	2	1	5	2	1		5
6 - 7	6	8	2	3	2	3	1	3	3
7 - 8	6	10	3	3	3	2	1	2	1
8 - 9	4	9	3	7	2	1	1	3	1
9 - 10	5	8	3	8	2		1	3	1
10 - 11	3	6	3	8	2	1	3	4	1
11 - 12	1	8	5	5	2	3	3	4	
12 - 13		12	3	4	2	3	3	4	
13 - 14		11	3	5	2	3	2	5	
14 - 15		10	6	5	2	3	1	4	
15 - 16	1	8	5	8	3	1	2	3	
16 - 17		9	5	7	4	1	1	4	
17 - 18		9	2	10	5	2	1	2	
18 - 19	1	9	2	11	2			1	5
19 - 20	1	4	6	12	1			1	6
20 - 21	1	2	6	14		1		1	6
21 - 22	2	2	6	14	1	1	1		4
22 - 23	3	5	3	10	1	2	1	1	5
23 - 24	3	8	1	9	3	1	1	2	3
SUMAS	72	186	82	161	54	39	28	47	75
% de frec. por dirección	9.7	25.0	11.0	21.6	7.3	5.2	3.8	6.3	10.1

NUBES. VISIBILIDAD

DÍAS	N U B E S										VISIBILIDAD		
	8h		12h		14h		18h		20h		8h	14h	20h
	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	CLASE	0-8	90 - 99		
1	As	8	As	8	As	8	Ac	4	Ac	7	96	96	97
2	Sc	2	Cu 1 Ci 1	2	Ci	6	Ci	6	Ci	1	9	7	8
3	Ci	6	Cu	7	Sc 3 Cs 5	8	Sc	6	Claro	0	9	9	9
4	Sc	8	Sc	8	As	8	Cu	1	Claro	0	8	9	9
5	Claro	0	Claro	0	Cu	3	Claro	0	Claro	0	9	9	9
6	Ci	3	Ac	8	As	8	Ac 2 Cs 5	7	Ci	1	9	8	9
7	Cs	7	Ci	4	Ci	2	Ci	3	Ci	3	8	9	9
8	Claro	0	Claro	0	Cu	2	Ac	4	As	8	9	9	8
9	As 2 Cs 5	7	Cs 2 As 5	7	Ci	3	Sc 2 Ci 3	5	Ci	4	8	9	9
10	Ac	5	Cu	5	Cu 3 Ac 3	6	Cu 1 Cs 7	8	Sc	7	9	9	7
11	As	8	As	8	As	8	Cs	7	Ac 1 Ci 6	7	7	8	8
12	Ci	2	Ci	6	Ci	3	Co	4	Ac	4	9	9	9
13	Ac	4	Cu	5	Cu 4 Ac 1 Co 1	6	Sc 6 Cs 2	8	As	6	8	9	8
14	Claro	0	Cu	4	Cu	4	Cu	2	Claro	0	8	8	8
15	Cu	6	Cu	5	Cu 2 Ci 1	3	Claro	0	Claro	0	8	9	8
16	Ci	1	Ci 2 Cu 3	5	Cu 3 Ci 1	4	Sc 3 Co 2	5	Sc	4	8	8	7
17	Claro	0	Cu	6	Cu	5	Claro	0	Claro	0	8	8	7
18	Ci	2	Cu 4 Ci 2	6	Cu 3 Ci 1	4	Ci	3	Claro	0	8	8	8
19	Ac	4	Ci 5 Cu 2	7	Cu 2 Ci 1	3	Ci	7	As	8	7	8	8
20	Sc 3 Ac 4	7	Sc	8	Ac	6	Ac	6	Claro	0	7	7	8
21	Cu 2 Ci 3	5	Cu	4	Cu	4	Claro	0	Claro	0	6	7	7
22	Claro	0	Ci 6 Cu 1	7	Ci	6	Cs	7	Ci	4	8	7	7
23	Claro	0	Claro	0	Ci	3	Ci	7	Ci	3	8	8	8
24	Ac	8	Cs 7 Cu 1	8	Ci	6	Sc	7	Sc	7	7	7	7
25	Ci	2	Claro	0	Claro	0	Claro	0	Claro	0	7	8	7
26	Cu	6	Cu	3	Cu	1	Claro	0	Claro	0	7	7	6
27	Ci	1	Cu	2	Cu 3 Ci 1	4	Ci	2	Ci	1	7	7	7
28	Cu 1 Cs 7	8	Cu 4 Ci 2	6	Sc	7	Ac	4	Claro	0	7	7	8
29	St	8	Cu	3	Cu	1	Claro	0	Cu	1	7	7	7
30	Cu	8	Ac 3 Ci 1	4	Cu 2 Ci 5	7	Sc 3 Ci 5	8	Cs	8	6	6	6
31	Cu	1	Ci	1	Cu	1	Ci	1	Ci	4	6	7	7
Prom.		4		5		4		4		3			

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9				8	0	4	Ne., Am.
	10				8	0	4	Ne., Am.
1	12				8	0	4	Ne., Z.
	14	32.0	22.0	0.81	8	0	4	
	15	37.3	23.6	1.11	8	1	5	
	9	42.4	24.5	1.46	6	4	5	
	10	45.6	25.9	1.60	5	3	5	
2	12	47.2	27.4	1.61	2	5	5	
	14	44.7	27.5	1.40	6	4	5	
	15	46.1	28.4	1.44	4	4	5	
	9	44.2	25.5	1.52	5	4	5	
	10	47.5	27.5	1.63	7	4	5	
3	12	50.8	29.8	1.71	7	0	5	
	14	41.5	28.5	1.06	3	1	5	
	15	34.2	26.0	0.67	7	0	5	
	9				8	0	3	B., Am.
	10				8	0	3	B., Am.
4	12				8	0	5	B., Am.
	14	26.8	21.8	0.41	8	0	5	
	15	32.0	23.5	0.69	6	1	5	
	9	46.5	26.6	1.62	0	5	5	
	10	48.0	28.5	1.58	0	5	5	
5	12	49.5	30.0	1.62	0	5	5	
	14	49.0	30.3	1.52	3	5	5	
	15	48.5	30.2	1.49	5	5	5	
	9	40.5	26.5	1.14	7	5	5	
	10	48.5	30.4	1.47	8	3	5	
6	12	41.0	29.0	0.98	8	2	5	
	14	36.5	28.0	0.69	8	4	5	
	15	45.4	30.3	1.23	7	4	5	
	9	47.6	29.0	1.51	8	2	4	
	10	49.0	31.0	1.46	8	2	4	
7	12	54.0	34.0	1.63	4	5	5	
	14	51.7	33.7	1.46	2	5	5	
	15	49.0	32.0	1.38	4	5	5	
	9	49.5	31.5	1.46	0	5	5	
	10	51.5	33.5	1.46	0	5	5	
8	12	54.3	35.6	1.52	0	5	5	
	14	53.0	36.0	1.38	2	5	5	
	15	51.6	35.6	1.30	1	5	5	
	9	48.0	31.6	1.33	8	3	4	
	10	52.5	34.0	1.50	8	3	4	
9	12	53.6	35.9	1.44	7	4	4	
	14	54.5	37.0	1.42	3	5	5	
	15	52.5	36.1	1.33	2	5	5	
	9	49.0	31.2	1.45	0	5	5	
	10	50.5	32.5	1.46	0	5	5	
10	12	54.9	36.4	1.50	5	5	5	
	14	52.0	35.6	1.33	6	4	5	
	15	30.1	19.6	0.85	7	0	5	
	9				8	0	4	Am.
	10	32.6	22.0	0.86	8	0	3	
11	12	35.1	24.1	0.88	8	2	3	
	14	42.2	26.5	1.28	8	2	3	
	15	39.0	25.0	1.14	8	2	3	
	9	43.5	24.2	1.57	3	5	5	
	10	45.0	25.5	1.58	3	5	5	
12	12	45.5	26.0	1.58	6	4	5	
	14	41.0	25.6	1.25	5	3	5	
	15	39.0	24.5	1.18	5	3	5	
	9	44.0	25.0	1.54	3	5	5	
	10	41.6	25.2	1.33	4	3	5	
13	12	52.0	30.0	1.79	5	4	5	
	14	45.6	28.0	1.43	6	3	5	
	15	48.5	28.5	1.63	6	3	5	
	9	48.0	28.8	1.56	1	5	4	
	10	48.6	29.6	1.54	1	3	5	
14	12	51.0	31.6	1.58	4	5	4	
	14	53.0	33.0	1.63	4	3	4	
	15	51.2	32.0	1.56	3	3	4	
	9	45.0	26.0	1.54	4	3	4	
	10	49.0	33.0	1.30	4	3	4	
15	12	45.2	27.5	1.44	5	5	5	
	14	48.0	29.0	1.54	3	4	5	
	15	42.0	26.0	1.30	3	4	5	
	9	45.7	23.3	1.82	3	5	5	
	10	48.2	29.0	1.56	5	5	5	
16	12	50.5	31.0	1.58	5	4	5	
	14	47.0	31.0	1.30	4	3	5	
	15	51.0	31.5	1.58	4	3	5	
	9	48.0	29.5	1.50	1	5	5	
	10	49.0	30.5	1.50	1	5	5	
17	12	43.4	30.9	1.02	6	3	5	
	14	48.0	29.0	1.54	5	5	5	
	15	53.0	34.2	1.53	4	3	5	
	9	50.2	31.5	1.52	2	4	5	
	10	52.0	33.5	1.50	2	5	5	
18	12	56.5	36.5	1.63	6	4	4	
	14	52.5	35.0	1.42	4	4	4	
	15	51.5	34.2	1.41	4	4	4	
	9	36.0	23.2	1.04	8	0	3	
	10	46.6	28.3	1.49	7	4	4	
19	12	53.5	33.0	1.67	7	4	5	
	14	48.6	31.4	1.40	3	3	5	
	15	45.5	29.5	1.30	4	4	5	
	9	45.0	35.2	0.80	5	5	5	
	10	40.2	25.6	1.19	7	0	3	
20	12	30.8	23.8	0.57	8	0	3	
	14	40.0	26.0	1.14	6	1	3	
	15	31.2	23.6	0.62	8	0	3	
	9	46.6	27.2	1.58	4	3	3	
	10	51.0	29.2	1.77	4	3	3	
21	12	45.0	29.5	1.26	4	3	3	
	14	51.6	31.0	1.67	4	3	3	
	15	39.5	27.2	1.00	4	2	3	
	9	47.0	28.5	1.50	2	5	4	
	10	51.6	31.5	1.63	5	5	4	
22	12	48.4	30.6	1.45	7	3	5	
	14	55.2	33.2	1.79	6	3	4	
	15	52.0	33.0	1.54	5	5	5	
	9	48.0	30.0	1.46	0	5	4	
	10	53.0	32.0	1.79	0	5	5	
23	12	52.0	33.5	1.50	0	5	5	
	14	53.8	35.0	1.53	3	5	5	
	15	52.3	34.2	1.47	3	5	5	
	9	47.0	29.6	1.41	7	4	3	
	10	51.6	32.5	1.55	8	4	3	
24	12	51.5	33.4	1.47	8	4	5	
	14	51.5	33.2	1.49	6	4	5	
	15	44.0	31.2	1.04	5	4	4	
	9	46.3	27.5	1.53	1	5	4	
	10	47.4	29.0	1.50	0	5	4	
25	12	48.9	30.7	1.48	0	5	5	
	14	50.7	31.7	1.54	0	5	5	
	15	49.4	31.6	1.45	0	5	5	
	9	48.0	28.5	1.58	6	3	4	
	10	37.2	25.6	0.94	6	2	3	
26	12	50.4	31.4	1.54	3	5	4	
	14	49.2	31.5	1.44	1	5	4	
	15	47.0	31.4	1.27	0	5	3	
	9	49.0	30.5	1.50	1	5	5	
	10	50.5	31.6	1.54	1	5	5	
27	12	52.0	33.8	1.48	2	5	5	
	14	52.0	34.6	1.41	4	5	5	
	15	50.5	34.2	1.33	1	5	5	
	9	51.5	33.7	1.45	3	5	4	
	10	54.6	36.5	1.47	4	5	4	
28	12	48.1	36.0	0.98	6	1	4	
	14	36.5	29.6	0.56	7	0	4	
	15	43.5	32.2	0.92	7	3	4	
	9	44.0	27.6	1.33	5	3	5	
	10	48.3	30.0	1.49	2	5	5	
29	12	51.0	32.2	1.53	3	5	5	
	14	50.7	33.2	1.18	1	5	5	
	15	48.8	33.9	1.21	0	5	5	
	9	40.5	25.5	1.22	5	1	4	
	10	42.0	28.0	1.14	4	1	4	
30	12	48.9	31.5	1.41	4	5	5	
	14	44.5	30.4	1.15	7	3	4	
	15	49.0	33.2	1.28	6	3	4	
	9	49.2	30.5	1.52	2	5	5	
	10	51.0	32.0	1.54	2	5	5	
31	12	54.0	35.4	1.51	1	5	5	
	14	54.5	36.5	1.46	1	5	5	
	15	50.5	35.0	1.26	1	5	5	

HELIOFANÍA

DÍAS \ HORAS	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H.EFECTIVA	H.TEÓR.ASTRON	H.RELATIVA
1											0.4		0.6	0.3	1.3	14.2	09
2	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.4			10.7	14.2	75
3		0.8	0.9	1.0	1.0	0.5	0.5	0.8	0.4	0.4	0.5				6.8	14.2	48
4								0.4		0.1	0.9	0.2	0.5		2.1	14.2	15
5	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		12.1	14.2	85
6	0.1	1.0	1.0	1.0	0.4	0.7	0.5	0.4	0.4	0.4	1.0	0.3			7.2	14.2	51
7		0.8	1.0	0.4	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.5		10.3	14.2	72
8		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6		11.6	14.3	81
9				0.2	0.4	1.0	0.9	1.0	1.0	1.0	1.0	0.8	0.3		7.6	14.3	53
10	0.2	1.0	0.8	0.7	1.0	1.0	1.0	1.0	0.7	0.6		0.7			8.7	14.3	61
11								0.1	0.3	0.6	0.6	0.3	0.1		2.0	14.3	14
12	0.4	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.8	0.4	0.4	0.6	0.8		10.2	14.3	71
13	0.8	0.7	0.2	1.0	1.0	0.8	1.0	1.0	0.9	0.9	0.8	0.4	0.1		9.6	14.3	67
14	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	12.8	14.3	90
15	0.4	0.6	0.7	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.0	14.3	84
16	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.8	0.7		11.2	14.3	78
17		0.8	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.7	1.0	1.0	1.0	0.5	11.7	14.3	82
18		0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.4	14.3	80
19				0.6	0.8	1.0	1.0	0.9	1.0	1.0	1.0	1.0			8.3	14.3	58
20			0.1	0.3	1.0	0.9			0.5	0.2	0.6	0.2			3.8	14.3	27
21			0.9	0.9	0.9	1.0	1.0	1.0	0.9	0.8	0.8	1.0	1.0		10.2	14.3	71
22	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8				10.0	14.3	70
23	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8		12.3	14.3	86
24				0.5	1.0	1.0	1.0	0.7	1.0	0.9	0.8	0.5			7.4	14.3	52
25	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	12.8	14.3	90
26	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	12.8	14.3	90
27	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	12.8	14.3	90
28	0.4	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.1	0.7	0.2	0.7	1.0	0.4	12.8	14.3	90
29				0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	9.5	14.3	66
30		0.7	0.7		0.9	1.0	1.0	0.8	0.8	0.6	0.7	0.5			7.7	14.3	54
31		0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.7	14.3	82
Medias	0.2	0.6	0.7	0.7	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.1	9.3	14.3	66

GEOTEMPERATURA

DÍAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h
1	20.0	21.0	20.8	20.1	20.5	20.5	19.4	19.2	19.4	20.3	19.9	19.8	22.7	22.6	22.5
2	19.5	23.5	21.7	19.3	21.7	21.4	18.6	19.2	19.8	19.4	19.4	19.8	22.3	22.2	22.2
3	19.6	22.4	21.6	19.6	21.1	21.2	19.0	19.0	19.4	19.6	19.4	19.5	22.4	22.2	22.2
4	20.2	21.7	21.6	20.0	20.6	21.0	19.2	19.0	19.4	19.6	19.6	19.6	22.2	22.2	22.1
5	19.9	24.2	22.0	19.4	22.2	21.7	18.8	19.2	19.8	19.4	19.4	19.8	22.2	22.2	22.1
6	20.4	23.0	22.0	19.9	21.5	21.6	19.2	19.4	19.7	19.8	19.6	19.8	22.4	22.4	22.4
7	19.0	25.0	22.8	20.4	23.0	22.6	19.4	20.1	20.6	19.8	20:0	20.4	22.4	22.4	22.6
8	21.4	26.0	24.0	20.7	23.5	23.3	19.8	20.4	21.2	20.4	20.4	20.8	22.1	23.0	23.0
9	22.2	26.2	25.0	22.0	24.2	24.2	20.8	21.2	22.0	21.0	21.6	21.6	23.4	23.6	23.5
10	23.4	27.6	23.0	22.8	25.2	23.0	21.6	22.0	21.7	21.6	21.6	22.0	23.9	24.0	24.0
11	21.4	22.8	21.6	21.4	22.2	21.9	20.6	20.6	20.6	21.4	21.4	21.1	24.0	23.9	23.7
12	19.6	23.0	21.4	19.9	21.6	21.4	19.4	19.9	20.2	20.6	20.4	20.5	23.6	23.4	25.2
13	21.6	23.2	21.8	19.8	21.6	21.7	21.4	19.4	20.2	20.4	20.2	20.4	23.2	23.0	23.0
14	21.0	24.4	23.0	20.6	22.9	22.7	19.6	20.2	23.0	20.4	20.2	23.6	23.2	23.2	22.2
15	21.2	24.3	22.6	21.1	22.8	22.4	20.3	20.6	21.0	20.8	20.8	21.0	23.5	23.6	23.7
16	21.2	24.8	23.0	21.0	22.9	22.6	20.3	20.6	21.0	20.9	20.8	21.0	21.6	23.6	23.7
17	22.0	25.4	24.2	21.6	23.7	23.6	20.6	21.0	21.7	21.0	21.0	21.5	23.8	23.7	23.8
18	22.4	26.8	24.6	22.2	24.5	20.0	21.0	21.9	22.2	21.6	21.6	22.0	24.2	24.2	22.2
19	22.4	26.0	24.1	22.4	24.3	24.0	21.4	21.6	22.2	21.8	21.6	22.2	24.4	24.4	24.5
20	22.4	23.8	22.6	22.3	23.1	22.8	21.4	21.4	21.6	21.8	21.8	21.8	24.6	24.4	24.4
21	20.8	24.8	23.0	24.0	23.2	22.8	20.4	21.0	21.6	21.4	21.3	21.6	24.2	24.2	24.1
22	21.8	21.6	23.6	21.3	23.6	23.3	20.7	21.2	21.6	21.4	21.4	21.6	24.2	24.2	24.2
23	22.3	26.4	24.4	22.0	24.3	23.9	22.2	21.6	22.1	21.6	21.6	22.0	24.4	24.4	24.4
24	22.2	26.4	24.4	22.4	24.4	24.0	21.4	21.8	22.6	22.0	22.0	22.3	24.6	24.6	24.7
25	22.8	26.4	24.0	22.5	24.6	24.0	21.8	22.0	22.4	22.2	22.2	22.4	24.9	24.9	24.8
26	22.4	26.0	24.0	22.4	22.4	24.2	21.6	22.0	22.6	22.2	22.2	22.4	25.0	25.0	24.9
27	22.8	27.2	25.0	22.5	25.0	24.7	21.6	22.2	22.8	22.0	22.2	22.7	25.0	25.0	25.0
28	24.2	28.2	26.0	23.4	25.8	25.4	22.4	22.8	23.4	22.6	22.6	23.2	25.4	25.3	25.4
29	23.8	28.0	25.7	23.6	25.9	25.3	22.5	23.2	23.7	23.2	23.4	23.6	25.6	25.8	25.7
30	23.0	26.8	25.4	23.0	25.0	24.9	22.4	22.6	23.2	23.0	23.0	23.2	25.8	25.7	25.6
31	23.0	28.2	25.9	22.8	25.6	25.3	22.0	22.6	23.5	22.8	23.0	23.3	25.6	25.6	25.7
Prom.	21.6	25.0	23.4	21.5	23.3	23.0	20.7	20.9	21.5	21.2	21.2	21.5	23.8	23.8	23.8

LLUVIA, ESTADO DEL SUELO, ETC...

DÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en %						Preatímetro
	50 cm.	1.50 m.	7 m.	18 m.		8h	14h	20h	Total	Punto	7 cm.	15 cm.	30 cm.	60 cm.	1 m.	
1					1	1.8	0.7	0.9	2.5							11727
2					0	0.9	1.5	1.2	5.3							11742
3	11.2	11.4	10.7	9.8	0	2.6	2.1	2.3	6.6	P.14	17.0	18.7	24.0			11741
4					2	2.2	0.4	0.2	2.3							11742
5					1	1.7	2.0	2.5	5.5							11746
6					0	1.0	2.5	2.6	5.6							11751
7					0	0.5	2.0	2.0	5.0							11756
8	0.0	1.0	0.0	0.0	0	1.0	3.3	1.3	6.3	P.15	18.1	16.3	23.2			11760
9					0	1.7	2.7	1.9	5.9							11765
10	-	50.6	-	43.4	0	1.3	1.6	0.8	2.9							11771
11					2	0.5	1.0	1.4	3.4							11892
12					1	1.0	1.1	1.4	4.2							11206
13					0	1.7	2.0	1.6	4.6	P.18	18.3	23.8	24.8			11471
14					0	1.0	1.4	1.7	3.8							11562
15					0	0.7	2.0	1.5	5.0							11616
16					0	1.5	2.8	2.1	6.5							11642
17					0	1.6	1.8	2.1	5.0							11667
18	2.0	2.5	-	-	0	1.1	3.0	1.6	5.8	P.19	10.4	11.3	18.0			11686
19					1	1.2	1.3	1.4	3.3							11613
20					0	0.6	1.0	1.1	2.5							11717
21					0	0.4	1.5	1.9	3.8							11728
22					0	0.4	2.1	2.1	6.1							11734
23					0	1.9	3.1	2.8	7.4	-	-	-	-			11745
24					0	1.5	3.0	2.3	7.4							11756
25					0	2.1	1.3	3.6	5.1							11765
26					0	0.2	2.4	2.1	5.5							11777
27					0	1.0	2.2	1.1	5.6							11787
28					0	2.3	2.8	2.5	5.8	P.20	7.3	7.8	14.6			11788
29					0	0.5	1.6	2.1	4.2							11801
30					0	0.5	1.7	1.1	3.3							11801
31					0	0.5	2.0	2.1	5.0							11802
Prom.	-	65.5	-	-	-	1.2	1.9	1.8	4.9	-	-	-	-	-	-	11712

0.50 m.			1 m.			2 m.	3 m.	Temper. Mínima de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos
8h	14h	20h	8h	14h	20h	8h	8h		
21.8	21.8	21.7	20.0	20.0	20.0	18.1	17.5	14.0	Cn. m. t. y n, Z.LL.Ne. m, Ne.r. n, Ne. t.
21.5	21.5	21.3	20.2	20.2	20.2	18.1	17.5	11.8	Ca. m. y n., Cn. t., r. m., B. t., Ne. n.
21.4	21.4	21.4	20.2	20.2	20.2	18.3	17.4	12.6	Cn. m. y t., Ca. n.
21.4	21.4	21.3	20.3	20.3	20.3	18.3	17.4	16.0	Cn. m. y t., Ca. n., LL. m.
21.3	21.3	21.3	20.2	20.2	20.2	18.4	17.4	8.0	Ca. m. t. y n., r. n.
21.5	21.5	21.5	20.3	20.3	20.3	18.4	17.5	11.4	Ca. m. y n., Cn. t., r. m.
21.7	21.8	21.7	20.3	20.3	20.3	18.4	17.5	10.6	Cn. m., Ca. t. y n.
22.1	22.2	22.2	20.4	20.5	20.5	18.5	17.5	11.5	Ca. m. y t., Cn. n., r. m., Ru.CH. n.
22.5	22.7	22.6	20.6	20.7	20.7	18.5	17.5	16.2	Cn. m. t. y n., r. m., R. n.
23.1	23.2	22.0	20.2	20.2	20.2	18.5	17.6	16.5	Cn. m. t. y n., CH.LL.G.Ru.P. t., R.LL. n.
23.4	23.3	22.8	20.5	20.5	20.6	18.9	18.0	15.0	Cn. m. t. y n.
22.7	22.4	22.4	21.0	21.0	21.0	18.8	17.8	10.1	Cn. m. t. y n.
22.5	22.5	22.5	21.2	21.2	21.2	18.9	17.5	12.6	Cn. m. t. y n., R.LL. n.
22.5	22.5	22.5	21.2	21.2	21.2	18.8	17.7	12.5	Ca. m. y n., Ca. t., r. n.
22.8	22.9	22.8	21.2	21.3	21.2	18.9	17.7	11.9	Cn. m., Ca. t. y n., r. m.
23.0	23.0	22.9	21.3	21.2	21.2	19.0	17.8	13.0	Cn. m. t. y n., r. m.
23.2	23.4	23.3	21.2	21.3	21.4	19.0	17.8	16.2	Ca. m. y n., Cn. t.
23.5	23.6	23.5	21.4	21.4	21.4	19.1	18.0	15.5	Ca. n., Cn. m. y t.
23.8	23.8	23.7	21.7	21.7	21.7	19.2	18.0	16.0	Cn. m. t. y n., LL.Ru. m.
23.6	23.8	23.8	21.7	21.7	21.6	19.2	18.0	16.0	Cn. m. y t., Ca. n.
23.7	23.6	26.5	21.9	22.0	22.0	19.2	18.0	10.0	Cn. m. y t., Ca. n., r.Ne. m.
23.6	23.6	23.5	21.9	21.9	21.8	19.3	18.0	10.4	Ca. m., Cn. t. y n., r. m.
23.8	23.8	23.8	21.9	21.9	21.8	19.3	18.1	13.9	Ca. m. y t., Cn. n.
24.0	24.0	24.0	21.9	22.3	22.1	19.3	18.0	15.0	Cn. m. t. y n.
24.3	24.4	24.2	22.1	22.1	22.1	19.4	18.0	14.4	Ca. m. t. y n.
24.4	24.8	24.4	22.1	22.3	22.2	19.5	18.0	13.8	Cn. m., Ca. t. y n.
24.5	24.5	24.4	22.5	22.7	22.6	19.5	18.5	14.5	Ca. m. t. y n.
24.8	24.8	24.7	22.5	22.7	22.7	19.5	18.2	16.5	Ch. m. y t., Ca. n., Ru.CH. t.
24.9	25.1	25.0	22.7	22.7	22.8	19.6	18.2	16.0	Cn. m., Ca. t. y n.
25.2	25.2	25.1	22.8	22.8	22.8	19.8	18.3	11.0	Cn. m. t. y n.
25.2	25.2	25.0	23.0	23.0	22.9	19.8	18.4	13.0	Ca. m. t. y n., Jl.R. n.
23.2	23.2	23.2	21.3	21.4	21.3	19.0	17.8	13.4	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESIÓN ATMOSFÉRICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANÍA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teóricas Astronómicas	Relativa
	mm. mb.	mm. mb.			mm. mb.			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	56.9	64.8	2	7	52.3	8	16	20.6	26.4	14.2	31.9	9	16	10.6	5	5	7.8	14.2	55
2ª	60.3	66.0	12	7,8	54.5	18; 19	18;3	20.2	25.3	14.5	30.2	18	14-15	9.5	12	5	9.3	14.3	65
3ª	58.4	66.1	25	9	52.2	28	16	22.1	28.4	15.6	34.0	28	12-13	11.5	21	5	10.7	14.3	76
MES	58.5	66.1	25	9	52.2	28	16	21.0	26.8	14.8	34.0	28	12-13	9.5	12	5	9.3	14.3	66

DÉCADA	HUMEDAD DEL AIRE								VIENTO									LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas				Instantáneas								
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Velocidad Máxima	Dirección	Día	Hora	Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	%	%		%		mm. mb.	mm. mb.	mm. mb.		Km/h	Km/h		Km/h		Km/h				mm.	mm.		mm.		
1ª	72	100	10	32	7	12.5	18.5	8.0	E	13	72	2	25	3	16-17	49	SE	10	17.16	63.0	50.6	10	7.5	4	5-6
2ª	71	100	15	36	17	12.0	16.1	8.0	SE	7	48	12, 13, 15	20	16	9-10	32	NE	13	7.36	2.5	2.5	18	-	-	-
3ª	67	100	22	27	23	12.6	18.0	8.0	NE	8	48	25,26 28	18	25	17-18	24	SE	25	18.24	-	-	-	-	-	-
MES	70	100	varios	27	23	12.4	18.5	8.0	NE	11	72	2	25	3	16-17	49	SE	10	17.16	65.5	50.6	10	7.5	4	5-6

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACIÓN							VIENTO - TORM. ELÉCT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1ª	9	2	2	-	-	-	-	3	-	-	2	-	1	-	3	2	2
2ª	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
3ª	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	1	1
MES	12	2	3	-	-	-	-	4	-	-	3	-	1	-	3	3	4

DÉCADA	FENÓMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
1ª	5	-	-	-	-	-	-	-	-	1	-	1	2	-	5	-
2ª	3	-	-	-	-	-	-	-	-	-	-	4	1	-	5	-
3ª	2	-	-	-	-	-	-	-	1	-	-	4	2	-	10	-
MES	10	-	-	-	-	-	-	-	1	1	-	9	5	-	20	-

Typis privatis Spec. Phys. cosm. Sanct. Michaelis