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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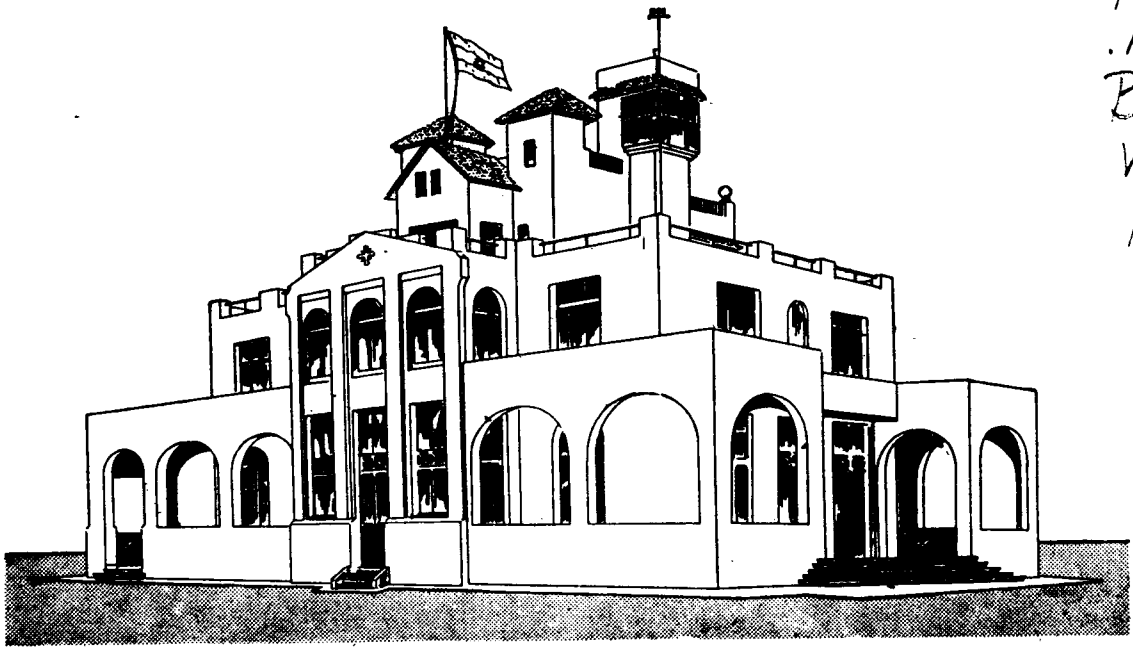

BOLETIN MENSUAL

GEOELECTRICIDAD Y METEOROLOGÍA

VOLUMEN VIII

AÑO 1953

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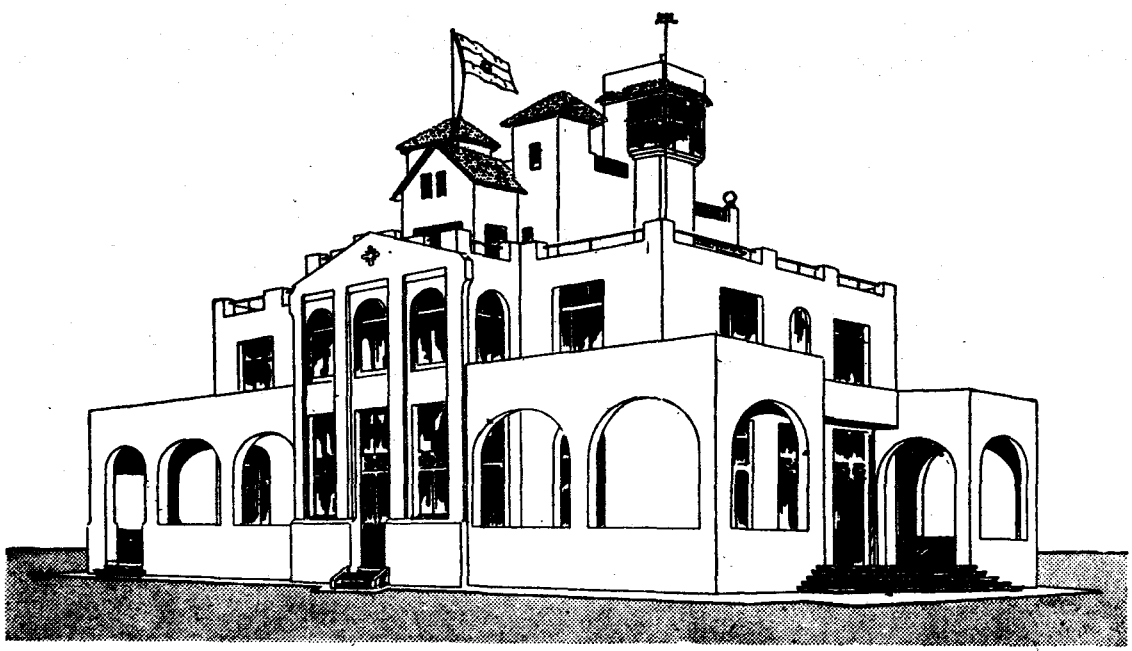

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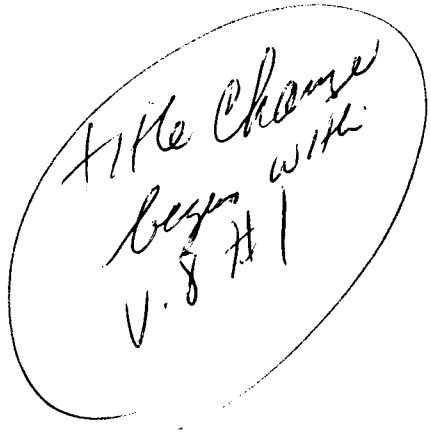

OBSERVADORES Y CALCULISTAS:

Sres.: ANGEL ABREGU DELGADO
(Meteorologista Islas Orcadas 1948-49; Primer meteorologista argentino al sur del Círculo Polar Antártico - Bahía Margarita).

ANTONIO ARBIA

JULIO GOLDIN

JUSTO SEGOVIA

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.-
Cs: 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.-

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RESUMEN MENSUAL

Los primeros días del año sorprenden al Observatorio en medio de una masa de aire tropical. Las temperaturas alcanzan o sobrepasan diariamente los 35.0°C y los promedios diarios se mantienen durante los cinco primeros días alrededor de los 26.0°C. El 2, un frente de inestabilidad, origina chaparrones de variada intensidad, mientras la presión disminuye ininterrumpidamente hasta anotar el nivel más bajo mensual el 6, con 746.7 mmHg. Aire fresco que llega desde la Patagonia con fuerte nubosidad, lluvias y tormentas eléctricas, pone luego fin a este período caluroso y húmedo. Este cambio de masas aéreas, manifiéstase en forma muy marcada del 6 al 7, en la marcha de la humedad absoluta, al descender los valores de la tensión del vapor desde 20.0 mmHg hasta 6.0 mmHg, valor mínimo del mes. Desde entonces hasta el fin de la década reina tiempo bueno con cielo despejado y temperatura en continuo ascenso, la que gravada por una persistente advección de aire tropical hace que la marca térmica de 37.2°C del día 10 sea la máxima del mes y una de las más altas registrada en el Observatorio.

Por el lento desplazamiento de este aire caluroso y húmedo provocado por una masa de aire fresco, el tiempo empeora en forma muy rápida. Durante los primeros cuatro días de la segunda década, llueve diariamente con muy variada intensidad, hay muy poco brillo solar y la temperatura en continuo descenso acusa promedios diarios hasta de 10.0°C inferiores a los anotados al principio del mes. Aclarando esporádicamente el 15, la temperatura adquiere al día siguiente sus valores normales. Otro empuje de aire fresco hace llover durante todo el día 17 y la temperatura desciende de nuevo hasta en 7.0°C por debajo de su normal. Luego de dos días de tiempo bueno el Observatorio se encuentra el 20 en una aeromasa tropical en que la humedad absoluta alcanza el importe máximo mensual con 24.5 mmHg.

En los primeros días de la última década, la zona de precipitación que por el pasaje de un frente frío iniciárase el 20, se mantiene sobre la región del Río de la Plata, registrándose copiosas lluvias sobre todo el día 22 con 86.0 mm, lo que representa ya la cantidad normal del mes de Enero. Con la llegada de una masa de aire fresco termina el 23 un período de catorce días de mal tiempo en el que llovió durante doce. Aclara el cielo y al día siguiente la temperatura y presión alcanzan los valores extremos con 10.8°C y 765.8 mmHg respectivamente. El tiempo bueno de los días siguientes se ve entorpecido la tarde del 29 en la que el pasaje de un frente frío ocasiona de nuevo intensas lluvias durante este día y el 30. El 31 reina buen tiempo con temperatura alrededor de 4.0°C por debajo de la normal.

La intensa actividad ciclónica de este mes no sólo hace que los promedios de la presión atmosférica y de la temperatura estén por debajo de sus valores normales (la presión 1.2 mmHg y la temperatura 1.0°C), sino también que el registro pluviométrico sea extraordinario, pues la cantidad de 360.0 mm resulta cuatro veces superior a la precipitación normal de Enero, así como que la nubosidad muy elevada, exceda en un 10% la habitual de dicho mes.

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	-	-	-	-	-	-	97	41	21	21	14	28	- 7	7	28
2	62	48	55	62	83	104	124	55	34	21	- 69	∞	483	28	41
3	90	104	83	62	21	97	-	-	-	-	-	-	104	69	55
4	28	34	34	28	34	41	55	55	62	41	28	28	48	76	97
5	34	28	41	76	62	48	69	34	- 41	- 28	-124	-159	- 48	28	28
6	41	55	55	41	41	28	48	±∞	±∞	±∞	±∞	±∞	±∞	±∞	41
7	7	7	7	7	34	69	138	200	124	117	104	69	76	55	55
8	166	159	117	110	69	97	[illegible]	83	90	104	110	83	62	48	34
9	55	69	83	83	90	97	117	138	76	28	- 55	-∞	-∞	- 76	41
10	115	120	118	99	93	109	93	107	110	105	103	107	113	58	34
11	-	-	-	-	-	-	-	-	-	-	-	-	110	220	-147
12	±∞	±∞	±∞	±∞	7	55	28	- 28	- 14	- 21	- 14	7	7	28	-
13	69	55	55	55	62	62	83	110	172	179	159	110	90	83	83
14	104	110	90	76	83	104	90	131	83	124	152	186	159	55	83
15	97	110	97	97	104	104	110	104	90	97	90	97	117	138	145
16	69	97	97	110	104	104	124	138	110	97	69	69	69	104	138
17	14	14	-	-	-	-	-	-	69	284	55	48	55	76	69
18	110	166	138	97	76	69	213	380	304	239	172	138	90	83	90
19	76	76	83	83	90	90	110	90	83	97	97	83	69	90	69
20	83	83	- 34	69	55	7	48	76	69	55	21	∞	-	-	- 28
21	-	-	-	-	-	-	-	-	-	-	-	166	-	28	21
22	- 41	-	-	-	41	21	- 14	-	- 83	-	-	-	-	-	-
23	-	-	110	41	28	83	34	-	179	166	34	226	97	76	83
24	62	62	48	21	21	21	62	90	76	124	172	200	166	166	166
25	145	166	207	159	152	193	193	138	152	152	131	117	131	152	159
26	83	90	90	69	62	62	69	69	69	97	110	110	110	110	138
27	110	90	179	193	69	48	124	-	-	-	152	159	138	117	90
28	69	62	76	69	28	28	76	55	76	90	90	90	110	97	97
29	97	90	41	41	90	97	145	124	138	159	124	104	104	83	117
30	69	69	55	-	-	-	-	-	-	-	-	-	-	-	-
31	28	97	97	145	110	110	124	138	138	76	110	166	138	138	145
Prom	83.9	93.4	92.3	78.5	74.2	79.8	107.7	123.6	116.9	121.5	115.4	111.6	105.4	104.9	115.0

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	0.94	0.96	1.90	0.98	477	499	976	0.95	1.38	1.34
2	0.86	0.84	1.70	1.02	392	430	822	0.91	1.54	1.36
3	0.88	0.90	1.78	0.98	449	616	1065	0.73	1.37	1.02
4	0.96	0.94	1.90	1.02	440	532	972	0.83	1.53	1.23
5	0.88	0.86	1.74	1.02	293	359	652	0.82	2.10	1.68
6	0.82	0.81	1.63	1.01	474	362	836	1.31	1.21	1.56
7	0.87	0.84	1.71	1.03	505	564	1069	0.90	1.21	1.04
8	0.74	0.75	1.49	0.99	369	406	875	0.91	1.40	1.29
9	0.78	0.78	1.56	1.00	333	435	768	0.76	1.64	1.25
10	0.70	0.67	1.37	1.05	266	244	510	1.09	1.84	1.92
11	0.57	0.66	1.23	0.86	382	469	851	0.82	1.04	0.99
12	0.92	1.09	2.01	0.84	449	655	1104	0.69	1.43	1.17
13	0.90	0.97	1.87	0.93	514	529	1043	0.97	1.22	1.28
14	0.61	0.51	1.12	1.19	363	242	605	1.50	1.18	1.47
15	1.03	1.02	2.05	1.01	678	500	1178	1.35	1.06	1.43
16	0.96	0.99	1.95	0.97	294	463	757	0.63	2.28	1.50
17	1.27	1.38	2.65	0.92	494	728	1222	0.68	1.80	1.32
18	0.83	0.77	1.60	1.08	543	528	1071	1.03	1.07	1.02
19	0.94	0.91	1.85	1.03	606	484	1090	1.25	1.08	1.31
20	0.89	0.98	1.87	0.91	668	398	1066	1.67	0.94	1.73
21	-	-	-	-	445	346	791	1.28	-	-
22	0.64	0.78	1.42	0.82	419	263	682	1.60	1.06	2.08
23	0.95	0.96	1.91	0.99	645	582	1227	1.22	1.03	1.15
24	0.78	0.74	1.52	1.05	478	367	845	1.30	1.14	1.41
25	0.60	0.54	1.14	1.11	607	375	982	1.62	0.69	1.01
26	0.96	0.81	1.77	1.18	804	578	1382	1.39	0.84	0.98
27	0.73	0.65	1.38	1.12	401	375	776	1.07	1.27	1.21
28	0.90	0.80	1.70	1.12	585	437	1022	1.34	1.07	1.28
29	0.80	0.78	1.58	1.02	507	401	908	1.26	1.10	1.36
30	0.65	1.06	2.71	0.61	657	575	1232	1.14	0.69	1.29
31	0.92	0.88	1.80	1.04	573	430	1003	1.33	1.12	1.43
Prom.	0.83	0.84	1.67	0.99	477	463	940	1.03	1.22	1.27

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
41	41	62	69	55	28	21	28	28		220	- 55	275	1*
28	-∞	∞	-	-	-	7	- 14	- 14		∞	-∞	-	3*
48	48	48	41	62	69	48	41	41		220	- 21	241	1*
55	34	34	48	69	76	97	104	62	52.8	152	- 21	180	1
104	69	14	28	∞	-∞	34	28	28		∞	-∞	-	3*
186	41	- 14	- 69	284	83	14	7	- 83		∞	-∞	-	3*
14	7	14	55	69	48	48	117	152		246	- 28	274	2
55	48	69	55	55	41	41	62	62		213	00	213	0
-	34	55	-	-	-	-	-	-		272	-∞	-	3*
28	66	97	101	87	72	87	122	-		241	-124	365	1*
138	∞	∞	14	117	-166	-239	-358	-195		∞	-∞	-	3*
28	-	97	69	55	55	55	69	69		∞	-∞	-	3*
138	152	159	212	246	256	125	117	104	122.3	291	22	269	0
110	97	138	172	152	207	166	138	104	121.4	246	00	246	0
124	117	110	104	69	41	55	48	34	95.8	172	- 86	258	1
131	97	55	76	69	90	131	21	34	91.8	207	- 28	235	1
69	104	69	90	62	55	76	69	83		426	-181	607	1*
110	138	104	124	172	166	145	97	83	146.0	506	- 83	589	1
90	97	83	97	138	131	124	124	104	94.8	200	14	186	0
- 41	55	90	69	-267	28	21	- 14	- 34		∞	-786	-	3*
-138	55	97	-	-	104	-	-	-		310	-901	1211	2*
-159	-	- 55	- 90	21	- 55	- 28	-	-		297	-855	1152	2*
83	69	69	83	83	69	83	110	69		333	- 34	367	1*
138	124	131	90	97	97	90	131	110	102.7	246	00	246	0
166	138	166	145	166	152	110	110	104	105.2	278	00	278	0
179	186	186	186	220	207	166	172	152	124.7	272	41	231	0
90	69	83	97	117	83	83	110	69		246	00	246	0*
117	117	138	138	110	110	83	76	76	86.6	193	14	179	0
83	-	-	-	-	-	-	-	-		207	21	186	0*
-	83	159	104	-	-	-	41	34		207	69	138	2*
145	124	131	97	97	138	234	207	138		284	21	263	0
123.4	117.9	118.5	126.5	137.1	139.4	117.4	103.4	87.9	108.2				

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
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	3.35	-
-	-	-	-	-	18,500
-	-	-	-	-	21,250
-	-	-	-	-	-
-	-	-	-	-	21,000
-	-	-	-	-	18,000
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	7.63	40,000
-	-	-	-	4.53	14,000
-	-	-	-	6.53	16,250
5889	6057	11946	0.97	5.97	12,750
3950	5978	9928	0.66	-	-
5570	6575	12145	0.85	7.78	14,250
4351	5196	9547	0.84	5.84	14,500
9259	8537	17796	1.09	-	15,000
16298	13153	29451	1.24	-	22,000
11590	12176	23766	0.95	-	17,250
3251	4603	7854	0.71	-	9,500
7437	8481	15918	0.88	5.19	46,500
7845	9194	17039	0.85	5.61	23,500
5909	7221	13130	0.82	7.34	47,500
13954	15889	29843	0.88	-	-
5566	7666	13232	0.73	4.90	38,500
6205	9200	15405	0.68	-	-
6539	6459	12998	1.01	-	27,500
3627	5195	8822	0.70	-	9,000
7188	8005	15193	0.90	5.88	22,337

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	1.00	0.90	1.24	-	-	-	-	-	1.02	0.92	1.06	1.04
2	0.90	0.89	1.02	0.84	0.96	0.82	0.63	0.90	0.89	1.06	0.79	0.69
3	0.78	1.11	-	-	-	-	-	1.40	0.64	0.92	0.86	0.82
4	1.27	1.28	1.45	1.30	1.20	1.12	1.12	1.22	0.90	0.68	0.84	0.78
5	0.88	0.90	0.82	0.91	1.09	0.96	0.90	0.79	1.04	0.98	0.72	1.07
6	0.78	0.86	0.87	0.80	0.90	0.80	0.90	0.84	0.72	0.27	0.82	0.62
7	-	-	-	-	-	-	-	-	1.21	1.14	1.00	0.86
8	0.39	0.97	-	-	-	-	0.85	0.76	0.82	0.86	0.87	0.82
9	0.90	0.91	0.93	1.01	1.04	1.06	1.02	0.92	0.74	0.79	0.66	0.76
10	0.59	0.64	0.76	0.85	0.79	0.86	0.72	0.83	0.82	0.52	0.62	0.76
11	0.61	0.62	0.78	1.09	0.72	0.50	0.56	0.52	0.66	0.44	0.25	0.80
12	0.26	1.16	0.66	0.72	1.19	1.06	0.51	0.88	-	-	-	-
13	1.17	1.10	1.01	1.20	1.01	1.20	1.10	1.01	-	0.60	0.64	0.80
14	-	-	-	-	-	-	-	-	-	-	0.56	0.44
15	1.17	1.44	-	-	-	-	-	-	1.12	1.15	1.09	1.06
16	-	-	-	-	-	-	-	-	0.84	0.72	0.82	1.08
17	1.23	1.26	1.12	0.85	-	-	-	-	-	1.12	1.07	1.25
18	-	-	-	-	-	-	-	1.00	0.88	0.70	0.86	0.69
19	0.84	0.92	0.98	0.98	0.96	1.06	1.02	1.00	1.14	1.12	1.07	0.98
20	-	1.02	0.82	-	-	-	-	-	0.78	1.01	1.14	1.09
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	0.19	0.50	0.81	0.58
23	-	-	-	-	-	-	-	-	-	0.47	0.80	1.09
24	1.25	1.19	1.15	1.36	-	-	-	1.32	0.98	0.89	0.88	0.66
25	0.52	0.54	0.49	0.49	0.47	0.40	0.74	0.79	0.80	0.72	0.86	0.70
26	0.76	0.85	0.76	1.04	1.21	1.36	1.17	1.00	1.17	0.94	0.97	1.05
27	-	-	-	-	-	-	-	1.02	-	-	-	0.59
28	-	-	-	-	-	-	-	1.18	1.04	0.97	1.04	1.07
29	0.55	0.52	0.57	0.60	0.86	0.75	0.76	1.02	0.84	0.84	0.82	1.08
30	0.99	0.84	0.54	1.02	1.00	0.50	0.46	0.63	0.97	0.01	0.35	0.18
31	1.19	1.19	1.17	1.22	1.24	1.12	1.26	0.89	1.05	0.94	0.92	0.80
Promedio	0.86	0.96	0.90	0.96	0.98	0.90	0.86	0.95	0.88	0.79	0.83	0.83

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	0.94	0.90	1.36	-	-	-	-	-	1.30	1.00	1.12	1.12
2	0.80	0.67	0.84	0.68	0.62	0.69	0.56	0.82	1.22	0.92	0.68	0.62
3	1.09	1.45	-	-	-	-	-	1.07	0.60	0.78	0.88	0.85
4	1.32	1.36	1.42	1.34	1.24	1.20	1.22	1.18	0.88	0.62	0.70	0.80
5	0.88	0.78	0.89	0.94	1.02	0.86	1.07	0.87	0.93	0.76	0.84	1.02
6	0.88	0.80	0.84	1.00	0.87	0.87	0.86	0.52	0.82	1.00	0.46	0.86
7	-	-	-	-	-	-	-	-	1.26	1.08	0.92	0.82
8	0.42	1.02	-	-	-	-	0.94	0.69	0.88	0.98	0.94	0.76
9	1.00	1.00	1.00	1.02	1.12	1.07	1.02	0.69	0.76	0.78	0.73	0.63
10	0.57	0.60	0.80	0.78	0.80	0.77	0.86	0.72	1.20	0.70	0.58	0.66
11	0.62	0.70	1.03	0.88	0.60	0.50	0.64	-	1.18	0.40	0.92	0.60
12	0.48	1.02	1.04	0.84	1.42	0.96	0.88	1.76	-	-	-	-
13	1.22	1.20	1.01	1.30	1.01	1.30	1.16	1.01	1.26	0.60	0.70	0.77
14	-	-	-	-	-	-	-	-	-	0.51	0.50	0.37
15	1.08	1.11	-	-	-	-	-	-	1.06	1.04	1.25	1.02
16	-	-	-	-	-	-	-	-	1.18	0.76	0.94	1.07
17	1.41	1.38	1.17	-	-	-	-	-	0.87	0.76	1.04	1.42
18	-	-	-	-	-	-	-	0.70	0.74	0.73	0.87	0.82
19	0.92	0.82	0.98	0.96	0.98	0.94	0.84	0.98	1.26	1.06	1.01	1.09
20	-	1.24	1.32	-	-	-	-	-	0.82	1.04	1.20	1.26
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	0.28	1.03	0.97	0.71
23	-	-	-	-	-	-	-	-	-	-	0.82	0.92
24	1.18	1.06	1.02	1.52	-	-	-	1.22	0.78	0.97	0.73	0.55
25	0.42	0.40	0.34	0.34	0.36	0.32	0.60	0.69	0.72	0.76	0.72	0.62
26	0.67	0.66	0.80	1.15	1.30	1.34	1.04	1.02	1.20	0.97	0.95	0.98
27	0.50	0.64	1.11	-	-	-	-	0.60	-	-	-	0.62
28	-	-	-	-	-	-	-	1.00	0.93	0.98	1.00	1.00
29	0.46	0.46	0.51	0.58	0.69	0.70	0.65	0.88	0.94	0.76	0.85	1.12
30	0.98	0.76	0.90	1.24	0.70	0.88	1.44	1.40	-	0.90	0.95	0.71
31	1.39	1.22	1.15	1.04	1.20	1.02	1.49	0.74	0.80	0.93	0.78	0.79
Promedio	0.87	0.92	0.98	0.98	0.88	0.89	0.95	0.93	0.95	0.84	0.86	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
1.06	0.96	1.00	0.99	1.00	0.83	0.84	0.78	0.63	0.78	0.87	0.87	0.94
0.50	0.44	0.56	0.72	0.84	0.49	0.82	0.89	1.40	1.05	1.24	1.20	0.86
0.70	0.78	0.80	0.80	0.86	1.06	1.06	0.74	0.58	0.88	0.96	0.99	0.88
0.92	0.93	0.97	0.99	0.99	1.02	0.76	0.90	0.56	0.58	0.74	0.63	0.96
0.94	0.76	0.55	0.61	0.79	1.12	1.12	0.86	0.71	0.92	0.84	0.97	0.88
1.27	0.76	1.10	-	-	-	-	-	-	-	-	-	0.82
0.77	0.74	0.76	0.78	0.76	0.79	0.76	0.84	1.06	1.02	0.88	0.61	0.87
0.74	0.57	0.67	0.77	0.52	0.57	0.40	0.78	0.95	0.80	0.79	0.84	0.74
0.58	0.53	0.74	0.70	0.62	0.74	0.79	0.74	0.78	0.57	0.58	0.61	0.78
0.64	0.69	0.63	0.74	0.71	0.64	0.76	0.84	0.63	0.48	0.57	0.61	0.70
0.82	0.78	0.30	0.59	0.53	0.52	0.58	0.41	0.31	0.47	0.33	0.48	0.57
-	-	0.97	0.96	0.96	1.01	1.06	1.06	1.04	1.01	1.06	1.07	0.92
0.71	0.63	0.60	0.52	0.70	0.84	0.72	0.80	0.89	1.55	-	-	0.90
0.46	0.50	0.62	0.72	0.55	0.54	0.54	0.40	0.48	0.72	0.93	1.10	0.61
0.99	1.00	0.80	0.78	0.94	1.07	1.00	0.82	-	-	-	-	1.03
1.06	0.89	0.97	0.98	0.87	1.07	0.78	1.28	-	-	0.88	1.22	0.96
1.32	-	1.56	1.55	1.47	1.43	-	-	-	-	-	-	1.27
0.98	0.86	0.85	0.79	0.78	0.71	0.75	0.87	0.76	0.84	0.90	0.85	0.83
1.00	1.04	0.95	1.00	0.99	0.86	1.05	0.87	0.62	0.53	0.53	-	0.94
1.10	0.92	0.44	0.54	-	-	-	-	-	-	-	-	0.89
-	-	-	-	-	-	-	-	-	-	-	-	-
0.56	0.34	0.49	0.86	0.92	-	0.97	0.81	-	-	-	-	0.64
1.22	1.14	1.12	0.97	0.87	1.02	0.80	1.02	0.87	0.97	0.84	1.02	0.95
0.37	0.50	0.57	0.55	0.58	0.60	0.66	0.50	0.44	0.39	0.91	0.58	0.78
0.63	0.69	0.55	0.57	0.66	0.79	0.87	0.53	0.37	0.37	0.39	0.55	0.60
0.96	0.96	0.69	0.82	0.84	0.87	0.74	-	-	-	-	-	0.96
0.69	0.66	0.69	0.76	0.63	0.82	0.78	0.81	0.63	-	-	-	0.73
1.19	1.06	0.95	0.98	0.92	0.98	0.88	0.63	0.55	0.74	0.63	0.55	0.90
1.13	1.05	1.11	1.20	1.08	0.51	0.42	0.62	0.72	0.86	0.62	0.62	0.80
0.14	0.55	0.44	0.38	0.54	0.66	0.58	0.50	0.45	1.43	1.26	1.26	0.65
0.89	0.93	0.96	0.86	0.82	0.81	0.85	0.65	0.66	0.80	0.44	0.49	0.92
0.84	0.77	0.78	0.80	0.81	0.83	0.79	0.77	0.70	0.81	0.78	0.82	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
1.00	1.08	1.10	0.94	1.03	0.88	0.82	0.64	0.57	0.69	0.82	0.93	0.96
0.42	0.48	0.58	0.74	0.78	0.60	1.10	1.02	1.47	0.92	1.76	1.09	0.84
0.62	0.78	0.74	0.82	0.92	1.09	1.16	0.53	0.58	0.94	1.02	1.09	0.90
0.80	0.94	1.00	1.02	0.98	1.05	0.82	0.62	0.48	0.51	0.48	0.64	0.94
0.78	0.62	0.55	0.58	0.76	1.09	0.98	0.76	1.20	0.72	0.84	0.90	0.86
0.78	0.64	-	1.00	-	-	-	-	-	-	-	-	0.81
0.74	0.72	0.74	0.77	0.76	0.84	0.78	0.88	0.92	1.02	0.84	0.42	0.84
0.66	0.62	0.74	0.66	0.53	0.55	0.47	0.78	0.96	0.80	0.76	0.82	0.75
0.55	0.64	0.78	0.72	0.72	0.80	0.82	0.76	0.64	0.42	0.48	0.53	0.78
0.62	0.64	0.57	0.66	0.70	0.60	0.65	0.73	0.46	0.50	0.50	0.52	0.67
0.76	0.56	0.62	0.53	0.42	0.59	0.58	0.43	0.58	0.69	0.52	0.72	0.66
-	1.58	1.26	0.94	1.01	0.92	1.06	1.06	1.06	1.13	1.11	1.16	1.09
0.70	0.65	0.60	0.50	0.80	1.34	0.70	0.88	0.96	1.66	-	-	0.97
0.46	0.46	0.60	0.55	0.55	0.44	0.36	0.37	0.37	0.58	0.62	0.86	0.51
1.07	1.02	0.76	0.74	1.00	1.08	0.96	1.03	-	-	-	-	1.02
1.07	0.91	0.83	0.86	0.89	0.98	0.83	1.25	-	-	1.02	1.30	0.99
1.30	-	1.84	1.88	1.89	1.58	-	-	-	-	-	-	1.38
1.00	0.88	0.84	0.76	0.65	0.67	0.78	0.64	0.69	0.73	0.76	0.80	0.77
1.09	1.00	1.00	0.98	1.00	0.88	1.06	0.66	0.50	0.50	0.44	-	0.91
0.72	0.65	0.74	0.84	-	-	-	-	-	-	-	-	0.98
-	-	-	-	-	-	-	-	-	-	-	-	-
0.81	0.45	0.56	0.98	0.91	-	1.06	0.80	-	-	-	-	0.78
1.12	1.21	1.04	1.02	1.14	0.98	0.74	0.94	0.88	0.93	0.72	1.02	0.96
0.55	0.53	0.50	0.55	0.60	0.80	0.64	0.44	0.36	0.29	0.84	0.52	0.74
0.64	0.66	0.48	0.48	1.02	0.72	0.80	0.42	0.34	0.34	0.37	0.50	0.54
0.81	0.90	0.71	0.78	0.80	0.79	0.69	0.44	0.37	0.37	0.34	0.37	0.81
0.62	0.62	0.66	0.64	0.64	0.68	0.69	0.57	0.46	-	-	-	0.65
1.00	0.94	0.87	0.87	0.85	0.82	0.70	0.53	0.55	0.60	0.53	0.53	0.80
1.20	0.97	1.25	1.12	1.16	0.50	0.48	0.71	0.68	0.84	0.66	0.56	0.78
1.40	1.00	0.57	0.57	0.62	0.76	1.02	1.34	1.38	1.84	1.52	1.52	1.06
0.85	0.91	0.94	0.85	0.73	0.72	0.80	0.44	0.53	1.03	0.53	0.34	0.88
0.83	0.80	0.81	0.81	0.85	0.84	0.80	0.73	0.71	0.78	0.76	0.78	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	521	521	608	434	434	434	347	608	608	608	434	521
2	347	434	434	347	434	347	260	347	707	707	608	260
3	391	347	260	174	174	260	434	521	782	707	608	521
4	-	-	-	-	-	-	-	-	608	608	608	521
5	174	174	260	260	347	260	347	347	347	347	347	347
6	347	174	260	347	347	434	347	260	347	521	955	434
7	-	-	-	-	-	-	-	-	707	782	608	608
8	174	174	174	260	260	260	347	521	608	521	521	608
9	347	347	347	434	434	347	434	434	347	608	260	174
10	86	260	260	527	260	260	260	304	260	527	174	217
11	347	260	260	260	260	86	174	707	608	434	527	868
12	347	260	434	434	521	434	347	347	347	477	434	570
13	521	521	521	521	608	521	707	955	1035	707	608	608
14	304	347	434	434	434	347	347	347	434	434	347	260
15	434	608	707	828	782	707	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	260	260	217	347
17	347	347	-	-	-	-	-	-	-	-	-	347
18	174	174	260	174	260	347	527	608	1115	955	608	521
19	651	608	707	657	707	707	707	868	782	707	707	608
20	608	707	608	871	868	695	695	745	1194	955	782	955
21	608	390	347	521	707	707	868	477	707	477	347	608
22	174	260	390	347	434	521	521	260	347	434	707	782
23	738	782	782	565	347	260	174	347	707	608	911	1274
24	608	434	521	521	521	347	707	955	955	608	347	174
25	-	-	-	-	-	-	-	1115	949	608	608	521
26	-	-	-	-	-	-	-	868	950	1115	955	955
27	-	-	-	-	-	-	-	-	-	-	-	521
28	434	347	434	347	260	390	782	868	955	868	868	868
29	347	260	260	390	434	608	608	707	782	707	521	608
30	608	608	955	818	1016	521	782	782	782	608	347	707
31	608	608	707	707	707	602	608	608	782	868	782	608
Promedio	410	398	455	466	482	433	493	596	679	634	562	564

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	451	376	526	451	419	602	312	602	828	828	602	676
2	312	312	312	226	226	226	226	526	790	676	602	526
3	526	312	226	376	312	226	150	150	905	905	752	451
4	905	866	905	752	526	602	526	676	976	905	676	602
5	150	150	150	312	312	226	451	526	526	677	602	526
6	312	312	226	226	312	312	376	-	-	-	-	-
7	-	-	-	-	-	-	-	-	1052	1151	905	676
8	150	150	150	150	226	150	226	676	828	828	676	752
9	376	451	451	526	451	526	602	602	489	752	451	451
10	226	226	150	150	188	226	312	226	312	312	312	312
11	312	312	376	602	226	226	312	-	2002	640	823	419
12	419	312	-	1385	1115	526	905	1595	-	-	752	602
13	300	602	676	602	827	451	828	1188	1250	828	602	526
14	150	150	113	188	312	226	345	226	312	312	312	226
15	376	451	451	451	312	226	526	526	976	1052	864	905
16	226	150	226	226	226	312	451	676	602	602	752	1052
17	-	-	-	-	-	-	-	-	376	451	752	1355
18	526	376	376	376	376	419	526	1001	976	1052	902	602
19	451	376	527	526	526	526	602	752	676	602	602	526
20	-	-	-	-	-	-	-	-	-	-	-	-
21	451	457	752	-	-	-	-	-	-	312	457	-
22	312	226	-	312	226	312	226	226	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	905
24	451	376	489	312	226	150	376	828	976	602	312	226
25	150	150	150	150	150	150	226	974	752	526	451	451
26	451	602	602	676	676	676	676	940	1120	1188	905	676
27	526	376	-	-	-	-	-	-	-	-	-	419
28	226	226	226	226	226	312	382	976	1120	976	828	676
29	150	226	226	226	150	312	226	676	828	676	376	451
30	451	312	150	-	-	-	-	-	-	-	-	-
31	602	451	602	526	526	451	312	188	526	828	752	602
Promedio	368	344	377	415	378	349	421	641	835	737	641	600

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
608	707	707	521	434	434	347	304	260	347	347	347	477
260	260	347	347	260	174	527	521	477	434	304	260	392
521	521	521	-	-	-	-	-	-	-	-	-	449
521	521	434	434	434	434	434	347	347	347	260	174	440
434	347	174	174	260	347	347	347	174	260	260	347	293
778	868	950	707	782	521	347	347	260	347	347	347	474
521	521	521	434	434	521	434	434	521	434	347	260	505
434	434	521	521	260	260	260	174	347	521	347	347	369
260	86	260	260	174	521	347	707	260	174	174	260	333
174	174	174	260	260	217	347	347	260	260	260	260	266
707	608	347	521	347	260	260	260	260	260	-	174	382
521	434	521	521	521	608	521	434	434	434	434	434	449
521	434	434	521	347	347	434	347	260	260	347	260	514
347	260	434	434	347	260	260	347	260	347	434	521	363
-	-	-	-	-	-	-	-	-	-	-	-	678
347	260	260	347	347	-	-	-	-	-	-	-	294
521	707	608	707	868	608	707	608	434	260	174	174	494
868	782	608	707	608	434	608	521	521	521	521	608	543
477	521	521	608	608	521	608	608	347	434	434	434	606
955	955	868	694	784	608	434	260	260	174	174	174	668
707	434	347	260	260	260	260	434	260	260	260	174	445
347	248	75	347	347	347	694	434	608	477	521	434	419
1035	868	868	608	707	565	434	521	521	822	434	608	645
260	260	260	347	347	521	521	521	434	-	-	347	478
434	434	434	707	608	608	521	347	-	-	-	-	607
868	707	782	707	608	608	521	-	-	-	-	-	804
217	347	521	347	521	565	521	347	347	347	347	260	401
868	868	707	608	608	608	434	347	347	434	434	347	585
608	608	707	707	478	260	260	477	347	521	434	521	507
707	608	347	608	695	478	217	868	868	608	707	521	657
782	868	608	521	521	434	434	347	260	260	260	260	573
554	522	496	499	475	440	410	428	372	382	342	340	477

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
676	754	676	602	526	376	312	226	226	312	312	312	499
312	376	312	376	226	226	895	963	676	312	376	312	430
451	526	526	451	1309	1460	1120	602	602	676	789	976	616
526	451	451	376	376	376	376	312	150	150	150	150	532
451	312	312	226	226	526	312	150	676	301	301	226	359
-	-	-	-	-	602	150	376	451	526	526	-	362
602	602	526	451	526	526	376	312	382	526	188	226	564
602	526	602	526	312	226	226	312	312	376	376	376	406
344	344	602	526	312	451	376	376	312	226	226	226	435
226	226	226	226	226	269	376	226	226	226	226	226	244
757	376	602	451	188	312	376	226	312	312	312	312	469
312	602	419	602	602	451	376	526	526	526	602	602	655
526	526	451	602	312	312	376	231	150	226	226	75	529
451	226	526	376	312	150	150	150	75	150	150	226	242
905	828	526	376	451	376	188	75	226	279	-	150	500
752	526	526	451	451	451	376	226	-	-	-	-	463
1320	752	1047	976	676	489	489	715	526	526	676	526	728
752	602	451	526	451	312	312	226	312	312	451	451	528
526	451	451	451	526	678	376	226	226	226	312	-	484
-	-	-	-	376	376	312	451	451	451	451	312	398
150	451	150	376	150	150	226	526	312	344	312	312	346
-	-	-	-	-	-	-	-	-	-	-	-	263
1120	941	826	526	526	451	376	312	376	526	226	451	582
312	226	226	312	376	526	451	376	150	150	226	150	367
376	376	376	602	457	526	451	312	312	312	312	312	375
526	376	676	526	526	526	376	226	226	150	226	312	578
414	376	526	451	526	451	312	339	226	226	226	226	375
602	451	376	376	376	376	226	312	226	312	226	226	437
451	451	451	376	526	451	312	526	419	526	312	301	401
-	752	602	338	413	376	451	976	1052	976	602	602	575
752	714	488	376	312	269	226	75	226	150	226	150	430
563	504	497	458	434	435	375	363	357	356	341	323	463

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	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	898	898	1795	1795	898	2690	3585	-	-	-	-	-
18	12590	10770	8950	8060	6295	4490	8060	4490	3585	3585	4490	9860
19	1795	2690	2090	1795	1795	1795	2690	2690	2690	2690	3585	3585
20	8060	7180	3585	1795	3585	3585	3585	4490	6295	3585	4490	2690
21	30580	14350	7180	29600	23360	28730	20350	15250	23360	17950	13430	17950
22	13430	12590	1795	3585	4490	11690	11690	17950	9860	28730	22400	21520
23	2690	1795	1795	2690	5380	8060	10770	8060	4490	3585	2690	2690
24	1795	898	1795	898	1795	3585	1795	1795	2690	7180	12590	16130
25	10770	8950	8060	7180	8060	8950	7180	3585	3585	7180	6295	6295
26	4490	4490	4490	898	898	898	1795	1795	1795	1795	2690	2690
27	15250	15250	10770	14350	16130	17050	15250	-	-	-	-	-
28	10770	8950	7180	8060	8950	8950	3585	1795	2690	2690	1795	1795
29	8950	11690	12590	12590	5380	5380	7180	4490	4490	8960	8950	3585
30	3585	2690	1795	10770	29600	24200	9860	5380	5380	4490	14350	16130
31	898	898	898	898	898	898	898	2690	898	898	2690	3585
Promedio	8437	6939	4938	6998	7834	8730	7218	5728	5524	7178	7726	8346

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	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	1795	-	2690	2690	1795	5380	4490	-	-	-	-	-
18	13430	10770	9860	8950	9860	8950	7180	3585	3585	4490	9860	7180
19	2690	3585	3585	3585	3585	3585	2690	3585	3585	3585	4490	3585
20	7180	4490	3585	4490	4490	6295	3585	898	4490	3585	2690	2690
21	16130	16130	6295	8060	7180	-	7180	7180	18870	16130	13430	10770
22	-	8950	12590	6295	14350	17050	15250	-	17050	21520	-	18870
23	3585	-	6295	5380	8950	10770	12590	7180	4490	4490	2690	2690
24	2690	898	1795	1795	2690	2690	2690	2690	5380	9860	16130	17050
25	12590	8950	8950	9860	10770	11690	6295	5380	6295	8950	5380	8060
26	4490	6295	3585	1795	1795	1795	1795	1795	1795	2690	3585	3585
27	17950	17050	10770	16130	17950	18870	20700	-	-	-	-	-
28	11690	9860	9860	11690	12590	7180	4490	4490	4490	4490	4490	3585
29	12590	15250	17050	11690	7180	7180	8950	7180	8060	12590	8950	5380
30	4490	4490	3585	11690	11690	20350	2690	2690	8060	4490	14350	6295
31	2690	2690	2690	2690	2690	2690	2690	4490	2690	2690	4490	5380
Promedio	8143	8417	6879	7119	7838	8891	6884	4261	6834	7658	8045	7317

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
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	3585	3585	6295	8950	13430	3585	1795	5889
-	-	-	-	-	-	-	-	-	4490	12590	9860	3950
1795	3585	2690	4490	6295	3585	3585	6295	5380	3585	3585	3585	5570
1795	2690	4490	2690	2690	3585	3585	7180	10770	12590	10770	11690	4351
2690	1795	14350	16130	11690	16130	10770	20350	20700	24200	16130	14350	9259
8060	6295	11690	12590	18870	17950	10770	10770	11690	10770	14350	15250	16298
11690	10770	9860	8950	8950	7180	8060	3585	11690	9860	12590	15250	11590
2690	898	898	898	1795	1795	3585	1795	1795	1795	3585	1795	3251
15250	14350	15250	13430	10770	7180	7180	6295	7180	9860	9860	9860	7437
7180	8950	8060	5380	5380	4490	4490	9860	13430	13430	12590	8950	7845
2690	3585	6295	5380	6295	6295	7180	10770	17050	12590	17050	15250	5909
-	-	-	-	-	-	-	-	-	-	10770	10770	13954
1795	1795	1795	5380	5380	5380	6295	8060	8950	6295	7180	8060	5566
2690	1795	1795	1795	2690	9860	8950	2690	9860	7180	4490	4490	6205
3585	2690	898	5380	4490	2695	2690	2690	898	898	898	898	6539
2690	2690	2690	3585	4490	3585	4490	6295	7180	9860	12590	9860	3627
4969	4761	6212	6621	6906	6664	6086	7352	9680	9262	9538	8857	7188

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
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	1795	2690	5380	10770	9860	11690	3585	2690	6057
-	-	-	-	-	-	-	-	-	7180	14350	13430	5978
2690	4490	4490	3585	8950	5380	3585	7180	5380	8950	4490	4490	6575
3585	7180	3585	2690	3585	3585	5380	8060	10770	11690	11690	10770	5196
4490	-	6295	7180	11690	15250	10770	10770	20350	23360	18870	18870	8537
6295	7180	12590	25150	23360	11690	20700	10770	12590	10770	17950	16130	13153
14350	7180	11690	13430	16130	2690	3585	6295	14350	10770	15250	8060	12176
1795	1795	2690	1795	2690	3585	5380	3585	2690	2690	5380	2690	4603
16130	16130	14350	13430	10770	9860	8060	7180	8060	20770	11690	10770	8481
8060	9860	8950	6295	5380	5380	7180	12590	15250	17050	13430	8060	9194
6295	6295	5380	7180	6295	7180	11690	13430	20700	17050	18870	17950	7221
-	-	-	-	-	-	-	-	-	14350	13430	11690	15389
4490	3585	7180	6295	6295	8060	9860	10770	10770	8060	8950	10770	7666
4490	5380	3585	3585	12590	18870	6295	8950	17950	5380	6295	5380	9200
3585	10770	6295	6295	8950	6295	4490	2690	2690	2690	2690	2690	6459
3585	4490	4490	5380	5380	5380	6295	7180	8950	10770	14350	9860	5195
6653	6487	7044	7868	8847	7564	7761	8587	11454	10603	11329	9644	8005

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	13.6	13.6	10.6	9.1	10.6	12.1	6.0	10.6	12.1	13.6	18.1	13.6	9.1
2	9.1	12.1	-	-	-	-	-	13.6	12.1	18.1	16.6	10.6	9.1
3	- 3.2	- 3.2	- 6.4	- 6.4	- 3.2	-14.3	-17.5	- 9.5	- 4.8	3.0	- 3.2	3.0	- 4.8
4	- 4.8	- 3.2	- 3.2	- 6.4	- 6.4	- 9.5	-11.1	- 9.5	- 6.4	6.0	9.5	3.0	- 4.8
5	- 4.8	- 3.2	- 3.2	- 6.4	-15.9	-15.9	-22.3	-19.1	- 3.2	-12.1	3.0	- 6.4	- 9.5
6	- 3.2	- 3.2	- 6.4	- 4.8	- 4.8	- 3.2	- 9.5	- 6.4	- 8.0	9.1	4.5	- 1.6	- 6.4
7	3.0	3.0	1.5	3.0	1.5	- 6.4	-12.7	- 8.0	3.0	6.0	3.0	- 1.6	- 4.8
8	4.5	1.5	3.0	1.5	1.5	- 3.2	- 6.4	- 4.8	9.1	7.6	- 1.6	- 1.6	1.5
9	4.5	6.0	4.5	3.0	3.0	- 3.2	-11.1	- 8.0	3.0	3.0	4.5	3.0	- 1.6
10	7.6	7.6	6.0	4.5	6.0	4.5	- 6.4	1.5	9.1	18.1	19.7	16.6	10.6
11	9.1	6.0	7.6	4.5	4.5	3.0	1.5	9.1	12.1	21.2	27.2	25.7	10.6
12	10.6	12.1	10.6	16.6	19.7	13.6	9.1	10.6	15.1	22.7	12.1	15.1	13.6
13	4.5	6.0	6.0	4.5	6.0	- 4.8	- 8.0	- 6.4	4.5	3.0	- 1.6	4.5	1.5
14	6.0	4.5	6.0	3.0	- 1.6	- 4.8	- 8.0	-11.1	- 1.6	- 3.2	- 6.4	3.0	1.5
15	- 1.6	- 3.2	- 1.6	- 1.6	- 3.2	- 8.0	-12.7	-15.9	- 8.0	- 4.8	- 8.0	- 6.4	- 3.2
16	- 6.4	- 4.8	- 4.8	- 1.6	- 1.6	- 9.5	-14.3	-17.5	- 9.5	- 6.4	- 4.8	- 1.6	1.5
17	- 3.2	- 3.2	- 7.1	1.5	14.2	6.0	3.0	- 3.2	- 3.2	3.0	3.0	18.1	15.1
18	3.0	- 3.2	- 1.6	3.0	1.5	- 3.2	- 6.4	- 9.5	-15.9	-11.1	- 6.4	6.0	4.5
19	-11.1	- 9.5	- 6.4	3.0	3.0	3.0	- 3.2	- 9.5	- 8.0	- 1.6	- 4.8	10.6	3.0
20	- 1.6	3.0	- 1.6	3.0	6.0	1.5	- 1.6	- 6.4	- 3.2	- 3.2	- 1.6	4.5	7.6
21	6.0	4.5	1.5	6.0	13.6	12.1	1.5	7.6	12.1	13.6	9.1	13.6	9.1
22	3.0	- 1.6	- 6.4	- 3.2	1.5	- 7.6	15.1	- 9.5	- 3.2	3.0	1.5	- 1.6	- 9.5
23	-17.5	-17.5	-12.7	-11.1	- 8.0	-14.3	-17.5	-12.7	-11.1	- 6.4	- 9.5	-11.1	-15.9
24	-17.5	-17.5	-19.1	-17.5	-15.9	-22.3	-28.6	-	-	-	-	-	-17.5
25	- 9.5	- 9.5	- 8.0	-11.1	- 6.4	- 9.5	-22.3	-19.1	-12.7	- 9.5	- 4.8	-11.1	-11.1
26	- 4.8	- 4.8	-11.1	- 8.0	- 8.0	-11.1	- 9.5	-17.5	-17.5	-15.9	-17.5	-15.9	-17.5
27	- 8.0	- 6.4	- 9.5	-14.3	- 9.5	-14.3	-19.1	-	-	-	-	-11.1	-14.3
28	- 6.4	- 8.0	- 8.0	- 9.5	- 8.0	-12.7	-19.1	-19.1	- 9.5	- 8.0	- 6.4	- 9.5	-19.1
29	51.4	50.0	55.9	54.4	50.0	45.4	40.8	22.7	24.2	-11.1	- 6.4	1.5	1.5
30	3.0	- 1.6	- 4.8	6.0	9.1	6.0	- 3.2	- 1.6	3.0	3.0	1.5	-12.7	-22.7
31	- 4.8	- 6.4	- 9.5	- 9.5	- 8.0	-12.7	-20.7	-	-	-	-	-	-
Prom	1.0	0.6	- 0.6	0.5	1.7	- 2.8	- 7.1	- 5.3	- 0.2	2.2	1.8	2.1	- 2.1
Var.	3.6	3.2	2.0	3.1	4.3	- 0.2	- 4.5	- 2.7	2.4	4.8	4.4	4.7	0.5

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	-11.4	-11.4	-12.8	-15.6	-14.2	-11.4	-14.2	-12.8	-11.4	- 9.9	- 9.9	-11.4	-14.2
2	-14.2	-14.2	-	-	-	-	-	-12.8	-14.2	-11.4	-14.2	-15.7	-15.7
3	17.1	5.7	10.0	8.6	7.1	5.7	2.8	2.8	-12.8	-14.2	-12.8	-12.8	-14.2
4	-11.4	-14.2	- 9.9	-15.6	-14.2	-12.8	-14.2	- 9.9	-17.0	-11.4	-12.8	-	- 8.5
5	- 7.1	-11.4	- 8.5	- 9.9	-14.2	-12.8	- 8.5	- 7.1	- 9.9	-14.2	-15.6	-11.4	-11.4
6	- 5.7	- 8.5	- 8.5	-11.4	-10.0	-10.0	- 9.9	- 5.7	-11.4	-	-	-	-
7	18.5	17.1	18.5	12.8	12.8	12.8	5.7	7.1	4.3	-11.4	-17.0	-17.0	-18.5
8	-14.2	-22.7	-17.0	-24.1	-22.7	-21.3	-17.0	-21.3	-32.7	-29.8	-14.2	-18.5	-27.0
9	-11.4	-15.6	-14.2	-18.5	-18.5	-18.5	-17.0	-11.4	-12.8	- 8.5	- 9.9	-12.8	-12.8
10	- 5.7	-14.2	- 7.1	-18.5	-12.8	-11.4	-12.8	- 8.5	- 9.9	- 8.5	- 8.5	- 9.9	-11.4
11	- 7.1	- 9.9	- 9.9	-18.5	-17.8	-14.2	-14.2	-34.1	- 8.5	-14.2	-15.6	-17.0	-17.0
12	-17.0	-17.0	- 9.9	-21.3	-21.3	-24.1	-24.1	-21.3	-19.9	-19.9	-21.3	-24.1	-29.8
13	-21.3	-22.7	-22.7	-36.9	-31.2	-29.8	-24.1	-25.6	-24.1	-28.4	-25.6	-28.4	-24.1
14	-17.0	-21.3	-17.0	-25.6	-24.1	-21.3	-21.3	-19.9	-17.0	-17.0	-19.9	-22.7	-24.1
15	-14.2	-18.5	-18.5	-27.0	-25.6	-24.1	-19.9	-19.9	-18.5	-18.5	-22.7	-22.7	-21.3
16	-12.8	-17.0	-14.2	-24.1	-22.7	-22.7	-18.5	-18.5	-17.0	-17.0	-22.7	-15.6	-17.0
17	-22.7	-19.9	-14.2	-31.2	-38.8	-38.8	-34.1	-38.0	-34.1	-35.5	-36.9	-36.9	-36.9
18	-19.9	-25.6	-21.3	-24.1	-22.7	-22.7	-18.5	-21.3	-22.7	-25.6	-25.6	-24.1	-21.3
19	-14.2	-15.6	-14.2	-22.7	-22.7	-22.7	-21.3	-18.5	-19.9	-18.5	-17.0	-18.5	-15.6
20	-11.4	-12.8	- 9.9	-17.0	-21.3	-17.0	-17.0	-15.6	-15.6	-15.6	-14.2	-15.6	-15.6
21	-17.0	-17.0	-12.8	-27.0	-24.1	-17.0	-21.3	-19.9	-17.0	-19.9	-21.3	-19.9	-22.7
22	- 8.5	-12.8	-11.4	-27.0	-25.6	-22.7	-22.7	-15.6	-19.9	-17.0	-19.9	-22.7	-17.0
23	-11.4	-19.9	-11.4	-14.2	-21.3	-21.3	-21.3	-15.6	-17.0	-17.0	-17.0	-18.5	-19.9
24	-34.1	-29.8	-25.6	-35.5	-32.7	-34.1	-38.3	-	-	-	-	-	-35.5
25	-39.8	-49.7	-45.4	-45.4	-45.4	-38.3	-42.6	-45.4	-46.9	-46.9	-48.3	-45.4	-45.4
26	-42.6	-51.5	-44.0	-52.5	-51.1	-49.7	-46.9	-44.0	-44.0	-38.3	-42.6	-41.2	-44.0
27	-25.6	-32.7	-28.4	-35.5	-35.5	-34.1	-34.1	-	-	-	-	-29.8	-29.8
28	-32.7	-29.8	-25.6	-29.8	-31.2	-31.2	-28.4	-29.8	-22.7	-21.3	-25.6	-24.1	-25.6
29	-15.6	-19.9	-19.9	-29.8	-27.0	-38.3	-34.1	-21.3	-17.0	-17.0	-21.3	-21.3	-21.3
30	-17.0	-18.5	-17.0	-28.4	-34.1	-31.2	-32.7	-29.8	-31.2	-34.1	-34.1	-38.3	-34.1
31	-17.0	-21.6	-21.3	-35.5	-25.6	-25.6	-22.7	-	-	-	-	-	-
Prom	-15.0	-18.5	-15.5	-23.4	-22.9	-22.0	-21.4	-19.1	-19.3	-19.9	-21.0	-22.1	-22.5
Var.	5.8	2.3	5.3	- 2.6	- 2.1	- 1.2	- 0.6	1.7	1.5	0.9	- 0.2	- 1.3	- 1.7

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
3.0	6.0	6.0	3.0	3.0	7.6	12.1	16.6	10.6	12.1	13.6	10.3	1
12.1	-	-	-	-	-	6.0	- 3.2	3.0	4.5	3.0	9.0	2
-11.1	-12.7	-11.1	-12.7	-12.7	-11.1	- 9.5	- 6.4	- 3.2	- 3.2	- 1.6	- 6.9	1
-14.3	-17.5	-12.7	- 9.5	-11.1	-11.1	- 3.2	- 3.2	3.0	- 6.4	- 9.5	- 5.9	1
-12.7	-22.3	-14.3	- 9.5	- 6.4	- 6.4	1.5	1.5	6.0	3.0	6.0	- 7.2	2
- 1.6	3.0	- 3.2	-11.1	1.5	10.6	7.6	10.6	9.1	7.6	9.1	0.0	2
- 4.8	- 1.6	- 3.2	- 9.5	- 9.5	- 3.2	- 3.2	- 6.4	6.0	3.0	1.5	- 1.7	1
7.6	3.0	3.0	- 4.8	- 4.8	- 3.2	- 9.5	- 3.2	1.5	3.0	6.0	0.5	1
4.5	3.0	6.0	- 1.6	- 1.6	1.5	1.5	3.0	7.6	6.0	9.1	2.1	1
4.5	1.5	4.5	- 4.8	- 6.4	- 1.6	4.5	1.5	9.1	9.1	10.6	5.3	1
4.5	7.6	7.6	7.6	1.5	3.0	4.5	9.1	3.0	7.6	9.1	8.6	1
10.6	13.6	15.1	9.1	4.5	- 1.6	1.5	3.0	9.1	10.6	7.6	11.0	1
- 1.6	- 3.2	6.0	-12.7	- 9.5	- 4.8	- 3.2	- 3.2	1.5	3.0	3.0	- 0.2	1
3.0	- 6.4	- 1.6	- 6.4	- 9.5	- 8.0	- 4.8	- 6.4	- 3.2	- 1.6	- 1.6	- 2.5	0
- 3.2	- 8.0	- 6.4	- 9.5	- 9.5	-11.1	- 8.5	-11.1	- 1.6	- 4.8	- 3.2	- 6.4	1
1.5	- 9.5	- 9.5	-14.3	-12.7	-11.1	- 8.0	- 9.5	- 1.6	- 6.4	- 3.2	- 6.9	1
3.0	- 8.0	-12.7	-14.3	-12.7	-12.7	- 9.5	- 9.5	1.5	1.5	- 3.2	- 1.3	1
- 4.8	- 8.0	- 8.0	-11.1	-11.1	-12.7	- 3.2	3.0	1.5	- 3.2	- 4.8	- 4.2	1
3.0	- 4.8	-12.7	- 9.5	- 6.4	1.5	1.5	- 1.6	6.0	7.6	4.5	- 1.8	2
15.1	9.1	9.1	3.0	1.5	1.5	6.0	1.5	9.1	6.0	6.0	3.1	0
12.1	- 3.2	- 3.2	- 6.4	1.5	1.5	7.6	3.0	6.0	4.5	6.0	5.8	1
-17.5	-22.3	-23.8	-31.8	-28.6	-22.3	-23.8	-23.8	-11.1	- 4.8	- 3.2	- 9.6	2
-17.5	-28.6	-28.6	-28.6	-	-28.6	-27.0	-23.8	-15.9	-15.9	-15.9	-17.2	1
-17.5	-17.5	-22.7	-23.8	-22.3	-19.1	-19.1	-14.3	- 9.5	- 9.5	- 9.5	-17.9	1
-12.7	-12.7	-17.5	-14.3	-12.7	-14.3	-25.4	-19.1	-12.7	-14.3	- 8.0	-12.8	2
-12.7	-12.7	-17.5	-15.9	-19.1	-14.3	-12.7	-12.7	- 3.2	- 4.8	-12.7	-12.4	2
-11.1	-19.1	-22.3	-12.7	-12.7	-17.5	-11.1	-11.1	- 9.5	- 9.5	- 8.0	-12.6	2
- 6.4	-12.7	-19.1	-19.1	-17.5	-14.3	-	-	-15.9	-20.7	46.9	-10.1	2
- 8.0	-11.1	-12.7	-12.7	-12.7	- 8.0	- 9.5	- 6.4	- 4.8	- 3.2	- 3.2	12.0	2
-22.3	-20.7	-23.8	-25.4	-23.8	-20.7	- 9.5	-11.1	- 4.8	- 9.5	- 4.8	- 8.0	1
-	-	-	-	-	-	-	- 4.8	3.0	1.5	1.5	- 6.4	1
- 3.2	- 7.4	- 7.9	-10.7	- 9.3	- 8.0	- 5.0	- 4.6	0.0	- 0.8	2.2	- 2.6	
- 0.6	- 4.8	- 5.3	- 8.1	- 6.7	- 5.4	- 2.4	- 2.0	2.6	1.8	4.8		

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
-15.6	-14.2	-15.6	-19.9	-17.0	-15.6	-15.6	-12.8	-14.2	-14.2	-11.4	-13.6	0
-15.7	-	-	-	-	-	18.5	19.9	18.5	25.6	27.0	-13.3	2
- 7.1	- 8.6	- 8.6	-11.4	-12.8	-11.4	-15.7	-15.7	-14.2	-10.0	-10.0	- 5.5	1
- 8.5	- 9.9	- 9.9	-11.4	-11.4	-	-	-	-	-17.0	-14.2	-12.3	1
- 8.6	- 9.9	- 7.1	-11.4	-14.2	- 9.9	-14.2	-12.8	- 8.5	- 9.9	- 7.1	-10.6	1
-	-	-	7.1	-	-	20.0	21.4	15.7	17.1	22.8	1.5	2
-11.4	-15.6	-17.0	-15.6	-19.9	-19.9	-22.7	-19.9	-21.3	-18.5	-14.2	- 6.3	1
-42.6	-38.3	-38.3	-34.1	-18.5	-21.3	-25.6	-14.2	-15.6	-17.0	- 8.5	-23.2	2
- 9.2	-12.8	-12.8	-11.4	- 9.4	-14.2	-14.2	- 9.9	-11.4	- 9.9	- 7.1	-12.7	0
- 9.9	- 8.5	- 8.5	- 9.9	-11.4	-11.4	-11.4	-11.4	-11.4	-11.4	- 7.1	-10.5	1
-18.5	-15.6	-17.0	-18.5	-21.3	-21.3	-22.7	-21.3	-22.7	-25.6	-14.2	-17.4	2
-27.0	-28.4	-29.8	-35.5	-35.5	-32.7	-35.5	-34.1	-32.7	-27.0	-24.1	-25.5	0
-25.6	-19.9	-25.6	-27.0	-27.0	-28.4	-25.6	-25.6	-21.3	-19.9	-19.9	-25.4	1
-24.1	-21.3	-21.3	-24.1	-21.3	-24.1	-25.6	-22.7	-25.6	-18.5	-18.5	-21.5	1
-21.3	-19.9	-21.3	-28.4	-25.6	-25.6	-22.7	-25.6	-17.0	-19.9	-14.2	-21.4	1
-12.8	-15.6	-17.0	-17.0	-17.0	-15.6	-17.0	-14.2	-14.2	-15.6	-18.5	-17.2	1
-27.0	-22.7	-21.3	-28.4	-25.6	-25.6	-24.1	-25.6	-21.3	-21.3	-19.9	-28.8	1
-19.9	-17.0	-18.5	-22.7	-25.6	-25.6	-22.7	-25.6	-27.0	-21.3	-17.0	-22.5	0
-12.8	-15.6	-11.4	-14.2	-15.6	-17.0	-17.0	-15.6	-14.2	-18.5	-11.4	-16.8	1
-14.2	- 8.5	-14.2	-18.5	-18.5	-22.7	-25.6	-21.3	-17.0	-19.9	-15.6	-16.5	1
-21.3	-19.9	-19.9	-18.5	-18.5	-21.3	-21.3	-22.7	-19.9	-17.0	-12.1	-19.5	1
-17.0	- 8.5	- 5.7	- 8.5	-14.2	-15.6	-18.5	-15.6	-12.8	- 8.5	-18.5	-16.1	1
-18.5	-17.0	-22.7	-21.3	-	-34.1	-32.7	-31.2	-25.6	-25.6	-27.0	-20.9	2
-38.3	-39.8	-38.3	-41.2	-42.6	-42.6	-48.3	-42.6	-41.2	-44.0	-38.3	-38.0	2
-45.4	-42.6	-49.7	-46.9	-52.5	-51.1	-56.8	-56.8	-55.4	-56.8	-46.9	-47.8	1
-39.8	-61.1	-62.5	-65.3	-66.7	-63.9	-62.5	-41.3	-38.3	-32.7	-28.4	-48.1	2
-28.4	-25.6	-22.7	-29.8	-31.2	- 2.8	-28.4	-32.7	-28.4	-25.6	-35.5	-28.8	2
-25.6	-25.6	-14.2	-28.4	-25.6	-29.8	-29.8	-25.6	-24.1	-19.9	-19.9	-26.1	2
-21.3	-19.9	-21.3	-24.1	-24.1	-25.6	-25.6	-21.3	-19.9	-21.3	-17.0	-22.8	2
-35.5	-36.9	-36.9	-34.1	-28.4	-35.5	-35.5	-35.5	-24.1	-25.6	-19.9	-30.4	1
-	-	-	-	-	-	-	-34.1	-34.1	-32.7	-29.8	-27.3	2
-21.5	-21.4	-21.8	-23.1	-24.1	-24.6	-23.4	-21.6	-20.0	-18.8	-16.0	-20.8	
- 0.7	- 0.6	- 1.0	- 2.3	- 3.3	- 3.8	- 2.6	- 0.8	0.8	2.0	4.8		

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	58.6	58.4	58.3	60.0	60.5	60.2	59.5	59.3	59.0	58.5	58.1	57.4	56.5	56.0	55.6
2	55.1	55.3	55.6	55.4	55.3	55.3	55.0	54.8	54.9	54.7	54.3	53.8	53.2	52.2	51.3
3	83.1	52.7	52.6	53.3	53.5	54.5	54.5	54.5	54.3	54.3	54.1	54.0	53.6	53.0	52.3
4	52.6	52.2	52.3	52.3	52.5	52.8	53.4	53.4	53.4	53.1	52.9	52.8	52.7	52.0	51.7
5	51.1	50.6	50.4	50.2	50.5	50.5	50.6	50.4	50.4	50.1	49.6	49.3	49.2	48.4	47.8
6	48.2	47.6	47.5	48.0	48.2	48.7	48.6	49.0	48.9	48.9	47.9	47.0	46.7	47.0	47.8
7	49.3	49.7	49.7	49.3	50.2	50.9	51.0	51.6	51.6	51.6	51.9	51.8	51.5	51.4	51.3
8	55.1	55.2	55.2	55.6	56.2	56.4	56.2	56.5	56.5	56.3	56.1	55.7	55.4	55.2	54.6
9	55.3	55.3	55.4	55.8	55.9	56.2	56.3	56.4	56.1	55.8	55.6	55.0	54.6	54.2	53.7
10	53.3	53.5	54.4	54.5	55.3	55.8	56.7	57.4	56.5	56.2	55.8	55.4	54.9	54.6	54.1
11	53.1	53.6	53.9	54.0	54.5	55.0	57.2	57.7	56.7	55.6	55.5	55.1	55.0	54.8	54.4
12	52.9	53.8	53.8	53.7	53.6	54.5	55.4	55.8	55.8	55.7	55.6	55.5	55.2	55.4	55.9
13	60.8	60.8	60.9	61.1	61.6	61.9	62.2	62.2	62.2	62.2	62.1	61.8	61.6	61.4	61.0
14	62.8	62.3	62.1	62.1	62.4	62.7	62.7	62.7	62.3	61.8	61.5	61.1	61.0	60.7	60.4
15	57.0	55.9	55.6	55.6	55.6	55.6	55.8	55.8	55.6	55.2	54.9	54.6	54.1	53.8	53.1
16	52.8	52.5	52.4	52.5	53.0	53.5	53.6	53.6	53.3	53.2	53.1	52.4	52.1	52.0	51.5
17	52.2	52.0	52.2	52.1	52.9	52.8	52.9	51.4	51.6	51.4	52.6	53.4	53.3	53.6	53.7
18	58.2	58.3	58.4	58.9	59.1	59.9	60.3	60.5	60.5	60.5	60.4	60.0	59.8	59.6	59.2
19	58.7	58.7	58.6	58.6	58.6	58.6	58.7	58.6	58.0	57.4	57.2	56.6	56.0	55.0	54.6
20	52.0	51.8	51.5	51.6	51.6	51.8	51.9	51.9	52.0	52.0	52.0	51.8	52.1	52.2	51.8
21	54.2	53.6	53.4	54.3	54.2	54.4	54.5	55.4	54.8	54.6	54.9	54.7	54.8	54.9	54.8
22	57.9	55.8	55.4	55.7	56.2	56.5	57.0	57.0	57.4	56.6	57.0	57.1	57.2	57.0	57.0
23	56.0	55.9	55.4	55.4	55.9	56.3	57.3	57.4	57.9	58.1	58.4	58.7	58.9	58.8	59.0
24	64.0	64.2	64.2	64.4	64.8	65.3	65.6	65.8	65.7	65.8	65.4	65.2	65.1	64.7	64.3
25	64.0	63.9	63.7	63.7	63.8	63.8	63.8	64.0	63.5	63.4	63.1	62.8	62.6	62.4	61.7
26	60.5	60.3	60.2	60.1	60.2	60.5	60.8	60.8	60.9	60.7	60.3	60.1	59.9	59.3	59.1
27	59.4	58.6	58.1	58.2	58.4	59.3	59.5	59.6	59.4	59.3	59.0	58.7	58.5	58.3	57.6
28	56.9	56.5	56.1	56.1	56.4	56.7	56.6	56.6	56.4	56.1	55.7	55.4	55.1	54.6	54.3
29	54.2	54.1	53.9	53.9	53.9	54.0	54.3	54.4	54.1	54.0	53.5	53.1	52.8	52.2	52.1
30	53.0	52.2	52.0	52.5	52.4	52.3	52.5	52.8	52.3	52.3	52.2	52.7	51.3	49.9	49.4
31	49.7	50.8	50.8	51.5	52.2	53.1	54.3	54.6	55.2	55.3	55.6	55.8	55.8	55.6	55.4
Prom	55.5	55.4	55.3	55.5	55.2	56.1	56.4	56.5	56.4	56.2	56.0	55.8	55.5	55.2	54.8

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	21.2	20.9	20.5	20.9	17.1	16.5	18.1	22.4	24.7	26.6	28.4	30.2	33.1	34.4	34.5
2	21.8	20.7	20.9	20.9	20.8	21.6	28.5	29.6	32.0	34.4	35.7	33.0	32.5	34.6	35.1
3	19.6	19.6	18.5	17.8	17.2	18.2	21.0	23.4	25.5	27.9	29.6	31.3	32.2	33.6	34.2
4	19.6	18.1	16.8	16.1	15.2	16.7	19.7	25.4	30.0	32.4	33.8	34.2	34.3	34.2	34.5
5	22.0	21.1	20.5	20.8	20.3	22.4	26.2	29.3	32.2	33.5	34.2	36.0	35.6	35.0	33.5
6	21.3	22.4	21.4	20.8	20.9	21.2	22.8	22.7	21.8	21.8	24.7	23.9	25.0	25.1	21.9
7	15.8	15.6	15.2	15.3	15.4	15.5	19.4	22.5	24.3	25.8	27.8	28.2	28.6	28.6	29.0
8	15.9	14.6	13.2	12.4	12.1	14.5	19.5	22.2	23.7	25.1	26.8	28.0	29.4	30.0	30.5
9	21.0	19.8	18.6	17.7	17.5	18.8	22.5	25.5	28.1	30.6	31.9	33.6	34.8	34.7	34.5
10	21.8	20.7	18.4	17.3	18.8	21.0	24.3	27.0	28.5	30.3	31.8	33.5	34.6	35.6	36.3
11	26.5	24.2	20.9	21.1	21.7	20.9	18.9	19.0	19.1	19.6	20.5	22.5	23.5	24.0	23.8
12	20.0	20.4	20.6	19.0	17.9	17.3	16.0	15.2	15.2	15.6	15.6	15.9	16.2	16.2	15.9
13	12.2	12.1	12.1	11.8	11.3	11.2	12.5	13.5	16.5	18.4	19.5	20.5	21.5	22.6	22.5
14	12.9	13.5	13.2	12.4	12.2	12.6	14.1	15.6	16.2	19.8	20.0	19.6	19.4	18.0	18.3
15	15.9	15.5	15.3	15.1	15.0	14.9	15.4	17.1	19.7	21.3	22.1	22.8	24.1	23.7	24.7
16	16.1	15.3	15.3	15.3	15.4	16.5	20.3	23.6	25.6	27.2	28.8	29.4	29.7	29.3	30.3
17	16.8	16.7	16.8	15.7	15.3	15.2	15.2	15.3	15.8	16.4	16.4	16.4	16.6	16.9	16.1
18	11.8	11.5	11.1	11.3	11.4	12.3	15.1	19.0	21.7	23.7	25.3	26.7	27.9	28.6	28.7
19	18.3	17.8	17.1	16.9	16.3	17.3	19.6	22.0	23.8	24.4	25.8	25.6	26.9	28.0	28.5
20	22.8	23.7	24.3	23.7	23.1	23.4	26.1	26.8	28.4	30.1	31.8	32.2	26.2	25.8	25.7
21	22.2	22.1	21.9	21.8	21.4	21.4	21.3	21.3	21.3	21.7	21.9	22.4	23.1	23.4	23.4
22	22.1	22.1	22.0	22.0	22.0	22.2	22.2	22.0	22.0	22.1	22.1	22.2	21.7	21.5	21.8
23	21.3	21.4	21.4	21.3	21.3	21.3	21.4	21.5	21.7	22.3	23.6	25.1	24.5	25.5	26.8
24	14.6	13.8	12.8	11.8	11.0	12.2	15.6	16.6	17.8	19.0	20.2	20.9	21.6	22.3	22.3
25	13.0	12.7	12.2	12.1	11.6	12.9	17.4	19.2	20.8	21.2	22.7	23.3	23.6	24.3	24.3
26	17.8	17.9	18.0	17.9	17.6	17.7	18.4	20.6	21.4	23.7	24.0	25.1	25.4	24.8	25.8
27	17.5	16.9	18.6	18.4	17.8	17.3	20.3	23.3	24.9	26.3	27.5	27.7	27.9	28.2	28.3
28	19.2	19.1	19.1	18.5	17.8	19.8	21.4	23.7	25.7	27.7	28.9	29.4	30.2	30.4	29.8
29	22.2	21.4	21.1	21.8	21.7	21.9	25.0	26.6	28.6	31.3	31.8	33.1	33.7	34.0	34.0
30	22.0	22.3	22.4	21.9	21.7	21.7	21.6	20.9	20.1	20.1	19.6	19.3	19.3	19.2	19.5
31	19.2	18.2	16.2	15.5	15.7	15.9	16.6	17.7	18.7	19.4	20.9	21.9	22.5	23.3	23.6
Prom	18.8	18.4	17.9	17.6	17.2	17.2	19.9	21.6	23.1	24.5	25.6	26.2	26.6	27.0	27.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
55.2	54.7	54.8	55.1	55.2	55.4	55.5	55.5	55.5	59.3	8	54.8	18	4.5	757.4 mm.	1009.8 mb.
51.0	50.4	51.9	55.8	54.8	53.9	53.1	55.7	51.6	55.7	23	50.2	16-17	5.5	53.9	1005.2
51.9	51.8	52.1	52.4	52.4	52.4	52.7	52.8	52.8	54.5	varios	51.6	0	2.9	53.2	1004.2
51.5	51.2	51.2	51.3	51.4	51.7	51.7	51.6	51.5	53.1	10	51.2	17,18	1.9	52.2	1002.9
47.8	47.8	47.8	49.0	50.0	49.1	47.9	48.5	48.6	51.5	0	47.8	varios	3.7	49.4	999.2
49.6	49.1	47.3	48.8	49.8	49.9	50.0	50.4	50.2	50.4	23	46.7	13	3.7	48.5	998.0
51.3	51.5	52.2	52.9	53.3	53.7	54.3	54.8	54.9	54.9	24	49.3	4	5.6	51.8	1002.4
54.3	54.1	54.4	54.6	54.6	54.7	55.0	55.1	55.2	56.5	8,9	54.1	17	2.4	55.4	1007.2
53.1	52.6	52.5	52.5	52.5	52.4	52.5	52.7	52.8	56.4	8	52.4	21	4.0	54.4	1005.8
53.7	53.6	53.5	53.5	53.4	53.2	53.3	53.4	52.9	57.4	8	52.8	0	4.6	54.5	1006.0
54.0	53.7	53.9	52.4	53.9	54.5	54.4	53.6	52.9	57.7	7,8	52.9	0,24	4.8	54.6	1006.1
56.6	56.8	57.6	58.7	59.6	59.9	59.9	61.0	60.9	61.0	23	52.9	0,1	8.1	56.4	1008.5
60.9	60.8	61.1	61.2	61.6	62.2	62.5	63.0	63.2	63.2	24	60.8	varios	2.4	61.7	1015.6
59.9	59.6	58.9	58.7	58.7	58.6	58.3	58.2	58.5	63.2	0	58.2	23	5.0	60.8	1014.4
52.7	52.5	52.4	52.4	52.8	52.9	52.9	52.9	52.8	58.5	0	52.4	18,19	6.1	54.3	1005.7
51.4	51.2	51.3	51.7	51.9	52.0	52.5	53.4	53.2	53.6	7,8	51.2	17	2.4	52.5	1003.3
54.6	54.7	55.4	56.0	56.6	57.1	57.7	58.2	58.2	58.2	23,24	51.4	10	6.8	54.0	1005.3
58.8	58.7	58.7	58.6	58.6	58.7	58.8	58.8	58.7	60.5	varios	58.2	0,1	2.3	59.2	1012.2
54.0	53.5	53.0	52.6	52.6	52.5	52.5	52.4	52.4	58.7	varios	52.4	23,24	6.3	55.8	1007.7
52.1	52.5	52.0	52.8	53.1	53.5	54.1	54.3	54.4	54.4	24	51.5	3	2.9	52.4	1003.2
54.2	54.4	55.0	55.1	55.4	55.9	55.6	55.8	55.8	56.0	22	53.4	3	2.6	54.8	1006.4
56.7	55.4	55.6	55.8	56.0	57.7	57.0	56.8	56.5	57.9	1	55.4	3,17	2.5	56.6	1008.8
59.2	59.3	59.7	60.8	61.6	62.6	62.9	63.6	63.7	63.7	24	55.4	3,4	8.3	58.9	1011.8
64.1	63.6	63.5	63.5	63.5	63.9	63.8	63.9	64.0	65.8	8,10	63.5	varios	2.3	64.5	1019.3
61.6	61.2	61.3	61.1	61.2	61.3	61.0	60.8	60.8	64.0	varios	60.8	23,24	3.2	62.5	1016.6
58.4	58.3	58.0	58.0	58.3	58.7	58.9	59.0	59.2	60.9	9	58.0	18,19	2.9	59.6	1012.8
57.5	57.3	57.1	56.8	57.0	57.1	57.1	57.1	57.0	59.6	8	57.0	20,24	2.6	58.2	1010.9
54.0	53.6	53.4	53.5	53.8	54.0	54.1	54.1	54.1	57.0	0	53.4	18	3.6	55.2	1006.9
51.7	51.6	52.0	52.8	53.9	54.9	54.7	53.7	53.7	54.9	21	51.6	17	3.3	53.5	1004.6
48.3	48.0	47.7	48.7	49.2	49.4	49.7	49.7	49.7	53.7	0	47.7	18	6.0	50.8	1001.0
55.3	55.1	55.1	55.3	55.7	56.1	56.4	56.7	56.9	56.9	24	49.7	0,1	7.2	54.5	1006.0
54.7	54.5	54.5	54.9	55.4	55.5	55.5	55.7	55.6	57.5		53.5		4.2	55.5	1007.3

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
34.4	33.9	31.4	29.0	26.3	24.4	23.4	22.8	22.5	34.5	15	16.5	6	18.0	25.8
33.2	30.6	24.8	19.2	19.2	19.2	19.3	19.5	19.4	36.1	11-12	19.2	19,20,21	16.9	26.1
34.2	33.1	31.2	27.8	25.9	23.9	23.3	22.3	20.4	34.4	15-16	17.2	5	17.2	25.8
34.6	33.7	33.1	29.0	26.4	24.3	23.1	22.6	22.6	35.2	11-12	14.9	5-6	20.3	26.3
32.9	31.6	30.2	28.6	25.1	23.9	22.9	22.9	22.2	36.2	12-13	19.9	5-6	16.3	27.6
20.5	18.1	17.5	17.8	17.1	16.4	16.1	15.9	16.0	25.2	13-14	15.9	2-3	9.3	20.5
28.8	28.1	27.2	24.5	21.2	18.6	17.5	17.4	16.5	29.1	13-14	15.2	3	13.9	21.8
30.6	29.9	28.2	24.6	22.9	21.8	21.3	21.2	21.0	30.6	16	11.9	5-6	18.7	22.5
34.2	33.5	32.2	29.8	28.6	26.8	26.8	25.6	23.5	35.2	13-14	17.5	5	17.7	27.1
36.2	35.7	33.4	31.0	29.1	27.6	27.1	27.6	26.7	37.2	14-15	17.3	4	19.9	28.1
24.9	24.9	24.0	22.6	22.2	21.4	20.9	20.8	20.4	24.9	16,17	18.9	7	6.0	22.0
15.8	15.7	15.6	14.9	14.1	14.0	13.7	13.6	13.0	20.6	3	13.0	24	7.6	16.1
22.1	20.3	19.7	18.4	17.3	16.3	15.4	14.2	13.5	22.9	15-16	11.2	6	11.7	16.5
18.3	18.3	18.2	17.8	17.3	16.9	16.6	16.1	16.1	21.4	10-11	12.2	5	9.2	16.4
25.7	25.4	24.7	22.6	19.2	18.3	17.8	17.2	16.5	25.7	17	14.9	6	10.8	19.6
29.5	28.1	27.6	25.3	23.1	21.6	20.6	18.3	17.3	30.3	15	15.3	2,3,4	15.0	22.9
15.7	15.8	15.8	15.8	14.9	13.7	12.9	12.9	12.2	17.3	0	12.2	24	5.1	15.5
28.5	27.8	26.6	23.4	21.4	20.8	19.8	18.9	18.5	28.8	14-15	11.1	3	17.7	20.5
28.1	27.8	27.1	25.0	23.1	22.4	21.6	21.5	21.6	28.7	15-16	16.3	5	12.4	22.8
25.0	25.3	25.1	23.5	23.1	22.8	22.6	22.4	22.3	33.4	12-13	21.6	0	11.8	25.2
22.9	22.9	22.9	22.2	21.8	21.8	21.9	22.0	22.0	23.5	14-15	21.3	7,8,9	2.2	22.1
22.0	22.2	21.9	21.9	21.9	21.9	21.5	21.4	21.3	22.2	varios	21.3	24	0.9	21.9
27.0	26.4	24.9	23.0	21.3	19.4	17.9	16.6	15.5	27.0	16	15.5	24	11.5	22.1
21.9	20.8	19.8	18.1	16.8	16.0	16.4	13.8	13.6	22.3	14-15	10.8	5-6	11.5	17.1
23.8	23.3	21.8	19.7	18.2	16.8	16.4	16.6	17.4	24.3	14-15	11.6	5	12.7	18.6
25.5	25.1	24.2	22.5	20.5	19.4	19.1	18.5	18.0	26.2	15-16	17.3	5-6	8.9	21.2
28.0	27.3	26.3	24.3	22.0	20.6	20.5	19.9	19.4	28.4	13-14	17.3	6	11.1	22.9
30.2	29.6	28.6	26.2	24.4	23.7	23.5	23.0	22.9	30.6	14-15	17.5	4-5	13.1	24.7
34.3	26.9	24.3	23.8	22.8	21.5	21.7	21.7	21.9	34.5	16-17	20.9	21-22	13.6	26.1
20.6	20.5	20.6	20.4	19.4	19.2	19.3	19.4	19.4	22.4	3	19.1	13-14	3.3	20.4
23.7	23.1	22.3	19.9	17.7	16.5	15.6	15.6	15.6	23.8	15-16	15.5	5	8.3	19.0
26.9	26.0	24.9	23.0	21.4	20.4	19.9	19.4	19.1	28.1		16.1		12.0	22.1

HUMEDAD RELATIVA en %

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	79	81	87	84	85	98	93	71	66	62	57	50	39	35	35
2	86	92	90	91	88	83	58	54	43	37	33	38	46	40	42
3	94	97	99	100	100	100	92	74	66	60	51	45	40	33	25
4	73	76	87	84	85	77	71	50	37	32	25	23	26	26	29
5	68	71	69	67	68	75	52	36	27	33	32	30	30	38	46
6	95	84	95	97	96	94	87	84	96	96	86	87	73	76	97
7	100	100	100	100	100	95	80	63	52	46	39	34	31	27	26
8	91	97	98	99	99	96	80	71	63	56	46	43	36	34	34
9	63	63	67	69	67	64	56	44	38	32	33	25	20	32	31
10	62	69	84	84	78	76	65	52	49	47	48	45	42	38	34
11	83	72	69	92	93	97	99	100	99	98	95	87	83	80	79
12	98	97	99	98	100	100	100	100	100	100	100	100	98	96	98
13	83	81	81	82	83	85	80	73	64	61	59	52	49	47	44
14	94	90	96	99	100	99	96	85	86	73	74	73	72	87	82
15	99	100	100	100	100	100	100	90	75	67	58	55	51	51	49
16	94	98	96	97	97	96	81	69	61	57	55	53	52	52	50
17	87	89	89	100	100	100	100	100	97	94	98	100	98	96	97
18	100	100	100	100	100	100	93	72	63	57	55	52	47	40	41
19	79	82	84	81	82	76	67	58	58	61	60	59	57	57	53
20	90	83	86	93	98	97	93	87	78	73	69	68	96	97	98
21	100	100	97	100	100	100	100	100	99	97	97	93	97	95	96
22	100	99	100	100	100	100	99	100	99	100	100	100	99	100	99
23	100	100	100	100	100	100	100	100	100	100	88	87	89	85	74
24	83	93	100	100	100	82	70	72	70	67	63	58	58	58	60
25	100	100	100	100	100	100	88	77	71	65	61	63	59	51	43
26	94	96	87	87	88	89	86	76	73	66	65	62	63	63	63
27	100	100	100	100	100	100	100	81	69	62	58	59	55	54	53
28	100	100	100	100	100	100	99	85	77	69	62	59	54	53	58
29	97	97	98	98	92	87	80	73	65	62	62	54	52	51	52
30	98	97	100	100	100	100	98	100	100	100	99	100	100	100	100
31	100	100	94	94	95	96	93	88	80	73	62	62	56	52	53
Prom.	90	90	92	93	93	92	86	77	72	68	64	62	60	60	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	14.5	15.0	15.5	15.0	12.0	13.5	14.0	14.3	15.5	17.5	16.5	15.0	14.0	14.2	13.0
2	17.0	16.5	16.0	17.0	16.0	15.5	16.5	16.4	15.0	15.0	14.0	14.0	17.0	16.4	18.0
3	15.5	16.5	15.5	14.5	14.0	15.0	17.0	16.0	16.0	16.0	16.0	14.5	13.5	12.9	9.0
4	12.0	12.0	12.0	11.0	10.5	10.5	12.0	12.0	11.5	11.5	9.0	9.0	11.0	10.4	11.0
5	13.0	13.5	12.0	12.0	12.0	14.5	13.0	10.8	10.0	12.5	13.0	12.0	12.0	16.2	18.0
6	17.0	16.5	17.5	17.5	17.5	17.0	17.0	17.2	18.5	18.5	20.0	19.0	17.0	17.9	19.0
7	13.0	12.5	12.5	12.5	12.5	12.0	13.0	12.8	11.5	11.5	10.5	9.0	9.5	7.9	8.0
8	12.0	12.0	11.0	10.0	10.0	12.0	13.0	14.1	13.5	13.5	12.5	12.0	11.5	10.6	10.5
9	11.5	10.5	10.5	10.0	10.0	10.0	11.5	10.6	10.5	10.5	11.5	8.5	7.4	13.1	13.0
10	12.0	12.0	13.0	12.0	12.5	14.0	14.0	13.7	13.5	15.0	16.5	16.5	17.5	16.2	14.5
11	21.0	16.0	12.0	17.0	17.5	17.5	15.5	16.4	16.0	16.5	16.5	17.5	17.5	17.5	17.0
12	17.0	17.0	17.5	16.0	14.5	14.0	13.0	12.9	12.5	12.5	12.5	13.0	13.0	12.1	13.0
13	8.5	8.5	8.5	8.5	8.0	8.0	8.0	8.4	8.5	9.5	9.5	9.5	9.5	9.5	8.5
14	10.0	10.0	11.0	10.0	10.0	10.5	11.5	11.2	12.0	12.5	12.5	12.0	12.0	13.2	12.5
15	13.0	12.5	12.5	12.5	12.0	12.0	12.5	13.0	12.0	12.5	11.0	10.5	11.5	11.1	11.0
16	12.5	12.5	12.5	12.5	12.5	13.5	14.5	14.9	15.0	15.5	15.5	16.0	16.0	15.7	15.0
17	12.0	12.0	12.0	12.5	12.5	12.5	12.5	12.9	13.0	12.5	13.5	13.5	13.5	14.4	13.0
18	10.0	9.5	9.5	9.5	9.5	10.0	11.5	11.7	12.0	12.5	12.5	13.5	13.0	11.4	12.5
19	12.0	12.5	12.0	11.5	11.0	11.0	11.5	11.4	12.5	14.0	14.0	14.0	15.0	16.0	15.0
20	18.0	18.0	19.5	20.0	20.5	20.5	23.0	22.8	22.0	23.0	23.5	24.0	24.5	24.0	24.0
21	19.0	19.0	19.0	18.5	18.5	18.5	18.5	18.9	18.5	18.5	19.0	17.5	20.5	20.2	20.5
22	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.7	19.0	19.0	19.0	19.0	18.5	19.1	18.5
23	18.0	18.5	18.5	18.0	18.0	18.0	18.5	19.0	18.5	19.5	20.0	20.5	20.0	20.5	19.0
24	10.0	10.5	10.5	10.0	9.5	8.5	8.5	10.0	10.0	11.0	11.0	10.5	11.0	11.6	11.5
25	10.5	10.5	10.0	10.0	9.5	10.5	12.5	12.7	13.0	13.5	12.5	13.0	12.5	11.6	9.5
26	14.0	14.5	13.0	13.0	13.0	13.0	13.5	13.8	13.5	14.5	13.5	14.5	15.0	15.5	13.5
27	14.5	13.5	15.5	15.0	14.5	14.0	17.0	17.3	15.5	15.5	15.5	15.5	14.5	15.2	15.0
28	16.0	16.0	16.0	15.5	14.5	16.5	18.0	18.4	19.0	18.5	18.5	17.5	16.5	17.1	18.0
29	19.0	18.5	18.0	18.5	17.5	17.0	18.0	19.0	18.0	21.0	21.5	19.5	20.5	20.0	20.5
30	19.0	19.5	19.5	19.0	18.5	18.5	18.5	18.3	17.0	17.0	16.5	16.0	16.0	16.6	16.5
31	16.0	15.0	12.5	12.0	12.0	13.0	13.5	13.2	12.0	12.0	11.0	12.0	11.5	11.0	11.0
Prom.	14.4	14.2	14.0	13.9	13.5	13.9	14.5	14.6	14.4	14.9	14.8	14.5	14.6	14.8	14.5

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
36	36	50	60	72	80	85	85	84	98	6	34	14-15	64	67
48	61	72	98	100	99	98	99	96	100	20	33	11	67	70
22	25	28	40	48	58	63	61	70	100	4,5,6	22	16	78	62
24	27	34	60	70	84	83	76	67	90	22-23	23	12	67	55
50	56	66	74	62	78	83	83	89	89	24	30	11,12	59	58
93	99	95	99	100	100	100	100	100	100	varios	71	13-14	29	93
25	23	23	27	48	49	59	74	85	100	varios	21	17-18	79	58
27	27	34	59	66	69	61	60	60	99	4-5	26	15-16	73	63
29	29	32	36	37	44	44	45	53	70	3-4	20	13	50	44
33	37	44	57	67	75	71	81	80	89	3-4	33	16	56	59
76	79	85	88	91	95	96	97	98	100	8	69	3	31	89
98	90	81	83	84	81	81	80	78	100	varios	77	21-22	23	93
57	64	63	67	68	72	78	87	91	91	24	44	15	47	70
82	93	91	97	94	92	93	97	97	100	5	69	10-11	31	89
47	47	52	61	85	87	90	92	93	100	varios	45	15-16	55	77
50	58	58	72	83	90	82	88	87	98	2	48	15-16	50	74
95	86	91	93	100	100	100	100	100	100	varios	86	0-1	14	96
42	42	48	64	77	77	79	81	80	100	varios	39	14-15	61	72
51	49	55	62	72	71	80	85	92	92	24	49	17	43	68
98	98	97	99	100	99	98	100	99	100	20,23	65	12-13	35	91
98	98	97	100	100	100	100	100	100	100	varios	91	12-13	9	98
100	99	99	100	100	100	100	100	100	100	varios	99	varios	1	100
66	63	60	66	72	66	73	79	80	100	varios	60	18	40	85
62	65	68	75	80	82	93	96	97	100	varios	55	12-13	45	78
55	61	65	75	84	93	97	93	97	100	varios	40	15-16	60	79
65	66	64	70	81	88	90	94	100	100	24	48	13-14	52	78
50	51	50	57	77	92	95	100	100	100	varios	50	16,17	50	78
54	57	62	73	83	88	93	93	94	100	varios	53	14	47	80
50	81	90	92	93	99	99	97	98	100	20-21	49	13-14	51	80
98	99	99	100	100	100	100	100	100	100	varios	95	6-7	5	100
55	57	58	74	86	95	100	90	89	100	0,1,22	49	13-14	51	79
59	62	65	74	80	83	86	88	89	97		51		46	77

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
15.0	14.5	16.0	17.0	18.3	17.5	17.5	17.0	16.5	18.3	20	12.0	5	6.3	15.4
18.0	20.5	16.5	16.0	15.0	16.0	16.0	16.0	16.0	20.5	17	14.0	11,12	6.5	16.3
9.0	8.5	9.5	10.5	13.0	12.5	13.0	12.5	12.0	17.0	7	8.5	17	8.5	13.4
9.0	10.5	12.0	17.0	18.0	18.5	17.0	15.5	13.5	18.5	21	9.0	varios	9.5	12.3
17.5	20.0	21.5	21.0	14.7	17.0	17.0	17.0	17.0	21.5	18	10.0	9	11.5	14.9
16.5	15.0	13.5	14.5	14.5	13.5	13.0	13.0	13.0	20.0	11	13.0	varios	7.0	16.4
6.6	6.4	6.0	6.4	9.1	7.4	8.5	10.5	11.5	13.0	1,7	6.0	18	7.0	10.0
9.0	8.5	9.0	13.0	13.7	13.0	11.5	10.5	10.5	14.1	8	8.5	17	5.6	11.5
11.0	10.5	11.5	11.5	10.8	11.0	11.0	10.0	11.0	13.1	14	7.4	13	5.7	10.7
14.5	16.0	16.0	19.0	20.0	20.0	19.0	22.5	20.0	22.5	23	12.0	varios	10.5	15.8
18.0	18.0	18.0	17.5	18.1	17.0	17.5	17.5	17.0	21.0	1	12.0	3	9.0	17.1
13.0	11.5	10.5	10.0	10.1	9.5	9.5	9.0	8.5	17.5	3	8.5	24	9.0	12.6
11.0	11.0	10.5	10.5	10.0	10.0	10.0	10.5	10.5	11.0	16,17	8.0	varios	3.0	9.4
12.5	14.5	14.5	14.5	13.8	13.0	13.0	13.0	13.0	14.5	varios	10.0	varios	4.5	12.2
11.5	11.5	12.0	12.5	14.0	13.5	13.0	13.5	13.0	14.0	20	10.5	12	3.5	12.2
14.5	16.0	15.5	17.0	17.4	16.5	14.5	13.5	12.5	17.4	20	12.5	varios	4.9	14.6
12.0	11.5	12.0	12.0	12.6	11.0	10.5	10.5	10.0	14.4	14	10.0	24	4.4	12.3
12.0	11.5	12.0	13.0	14.6	14.0	13.0	13.0	12.0	14.6	20	9.5	varios	5.1	11.8
14.5	13.0	14.0	14.5	15.0	14.5	14.5	15.5	17.5	17.5	24	11.0	6	6.5	13.6
23.0	23.0	23.0	21.0	21.0	20.0	20.0	19.5	19.5	24.5	13	18.0	1,2	6.5	21.6
20.0	20.0	20.0	19.0	18.7	18.5	19.0	19.0	19.0	20.5	13,15	17.5	12	3.0	19.1
19.0	19.0	19.0	19.0	19.6	19.0	18.5	18.5	18.0	19.7	8	18.0	24	1.7	18.9
17.5	16.0	13.5	14.0	13.5	11.0	11.0	10.5	10.0	20.5	12,14	10.0	24	10.5	16.7
12.0	11.0	11.5	11.0	11.2	11.0	12.5	11.0	11.0	12.5	22	8.5	6,7	4.0	10.7
11.5	13.0	12.0	12.0	13.0	14.5	13.5	13.0	14.0	14.5	21	9.5	5,15	5.0	12.0
15.0	16.0	14.0	13.5	14.6	14.5	14.0	14.5	15.0	16.0	17	13.0	varios	3.0	14.1
13.0	14.0	12.0	13.0	15.2	16.5	16.5	16.5	16.0	17.3	8	12.0	18	5.3	15.0
16.5	17.5	18.0	18.0	18.9	19.0	19.5	19.0	19.0	19.5	22	14.5	5	5.0	17.6
19.0	21.5	19.5	20.0	19.2	18.5	18.5	18.5	19.0	21.5	11,17	17.0	6	4.5	19.2
17.5	17.5	17.5	17.0	16.8	16.0	16.0	16.0	16.0	19.5	2,3	16.0	varios	3.5	17.4
11.5	12.0	11.5	12.5	12.9	12.5	12.5	11.5	11.5	16.0	1	11.0	varios	5.0	12.3
14.2	14.5	14.2	14.6	15.1	14.7	14.5	14.4	14.0	17.5		11.5		6.0	14.4

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	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V
1	NE	6	NE	9	NE	13	NE	10	S	12	SE	11	E	12	E	12	N	17	N	19	N	20	NW	21	NW	17	NW	18	NW	14
2	N	2	W	3	S	4	C	1	C	1	E	2	N	3	N	13	NW	7	NW	10	NW	12	SE	15	SE	9	E	12	E	12
3	S	6	S	2	NW	2	NW	4	W	3	W	6	W	5	W	8	W	12	W	9	W	10	W	12	W	13	W	15	W	11
4	W	8	W	5	W	4	W	5	W	5	W	8	W	5	W	5	W	11	W	16	W	16	W	15	W	17	W	16	W	14
5	N	4	N	5	N	8	N	10	N	8	N	4	N	15	N	15	N	20	N	22	N	26	N	30	N	25	N	26	N	26
6	E	3	E	7	S	4	N	6	N	7	N	10	NW	8	NW	10	W	11	W	7	SW	6	SW	14	SW	14	SW	10	SW	9
7	W	6	W	6	W	5	W	7	W	8	W	10	W	7	W	8	SW	14	SW	13	W	15	W	18	W	20	W	17	W	18
8	E	3	C	1	E	3	E	3	SE	2	E	3	N	11	N	14	N	15	N	15	N	17	NW	17	NW	17	NW	19	NW	14
9	N	15	N	13	N	11	N	10	N	12	N	12	N	15	N	19	N	25	N	29	N	25	N	32	N	38	N	28	N	29
10	N	6	NE	7	C	0	E	5	NE	7	NE	8	W	4	C	1	N	6	N	16	N	22	N	26	N	22	N	23	N	18
11	E	8	SE	7	SE	9	SE	9	SE	12	E	6	S	12	S	8	SE	16	NE	10	NE	9	NE	9	NE	8	NE	4	NE	5
12	C	1	W	8	W	4	W	8	S	6	S	9	S	10	S	7	SE	8	SE	7	SE	8	SE	9	SE	10	SE	9	SE	12
13	S	8	S	9	S	8	S	9	S	5	S	7	S	7	S	7	SE	13	SE	9	SE	8	SE	8	SE	9	SE	5	SE	6
14	SE	2	C	0	C	0	C	0	C	0	C	0	C	0	SE	3	S	3	SW	2	E	5	E	5	E	11	NE	9	E	4
15	SW	4	S	4	S	3	S	2	C	0	SW	4	SW	5	SW	3	SW	5	SW	7	SW	8	SW	7	SW	10	W	7	W	9
16	NW	4	NW	8	NW	8	NW	8	NW	9	NW	8	NW	10	NW	16	NW	25	NW	18	NW	19	NW	15	NW	14	NW	19	NW	15
17	SW	18	SW	16	SW	11	SW	10	S	8	SE	8	SE	5	SE	5	S	12	SW	12	SW	14	SW	15	SW	18	SW	18	SW	9
18	C	0	C	0	C	1	NW	3	NW	6	NW	8	NW	16	NW	15	NW	24	NW	2.	NW	25	NW	18	NW	22	NW	22	NW	20
19	NE	15	NE	15	NE	10	NE	14	NE	11	NE	12	NE	17	NE	18	NE	21	NE	24	NE	16	NE	21	NE	26	NE	22	NE	23
20	E	4	NE	8	NE	13	NE	13	NE	12	NE	12	NW	16	NW	19	NW	24	NW	25	NW	29	NW	16	S	18	S	4	SE	4
21	E	4	E	5	E	7	E	6	E	3	E	9	E	10	E	10	E	12	E	12	E	10	E	12	E	10	E	12	E	10
22	SE	6	SE	7	SE	4	SE	4	E	4	E	7	E	10	E	5	E	12	E	13	E	11	E	11	E	3	E	5	E	4
23	E	5	C	1	E	2	C	0	C	0	SW	2	C	1	SW	2	S	5	S	3	S	4	S	5	S	3	S	8	S	6
24	SE	4	SE	4	SE	2	C	0	C	1	C	1	SE	2	SE	5	SE	6	SE	9	E	8	E	9	E	10	E	6	E	8
25	E	2	E	3	E	4	E	5	E	6	E	3	NE	5	NE	10	NE	5	NE	5	NE	5	E	5	NE	5	E	5	E	8
26	E	6	E	6	NE	8	NE	10	NE	10	NE	8	NE	4	NE	12	NE	15	NE	15	NE	12	NE	11	NE	6	NE	11	E	11
27	C	0	C	0	E	4	E	2	C	1	C	0	C	0	NE	2	NE	4	NE	4	E	4	E	5	NE	6	NE	12	NE	12
28	E	3	E	2	E	2	C	1	E	3	NE	8	NE	11	NE	15	N	17	N	14	N	11	N	8	NE	6	NE	7	NE	8
29	E	2	E	2	E	3	NE	3	NE	3	NE	3	C	1	N	5	NW	8	NW	8	W	11	W	11	W	10	W	9	W	9
30	N	9	E	5	W	3	SW	4	E	5	NW	6	NE	12	E	4	E	10	E	6	E	6	E	8	NE	7	NE	5	NE	4
31	SW	6	SW	8	SW	12	SW	12	SW	14	SW	8	SW	6	SW	9	S	6	S	6	S	11	S	11	S	5	S	6	S	7
DIR. PREV.	E		E		E		E-NE-C		C		E-NE		NE		N-NE		N		N		N-E		E		NE		NE		E	
Nº de HORAS	10		7		7		5		6		6		5		5		6		6		6		7		7		7		7	
PROM. HOR. DE LA VELOC.		5		6		6		6		6		7		8		9		13		12		13		14		13		12		12

15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		PREVAL. DIARIA		PROM. DIARIO DE VELOC.	VELOCIDAD INSTANTÁNEA		
D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	DIR.	Nº de HORAS		VELOC.	DIREC.	HORA
NW	14	NW	10	N	13	N	9	N	6	N	8	N	5	N	4	N	6	N	10	12	26	W	13.01
NE	10	E	7	SW	16	SW	18	SE	5	SE	6	S	5	N	11	NE	19	N-E SE	4	8	40	SW	17.28 18.28
W	15	W	18	W	14	W	8	W	8	W	8	W	7	W	9	W	8	W	20	9	24	W	16.00
W	15	W	12	W	7	N	6	N	4	N	4	N	2	N	3	N	6	W	18	9	25	W	11.49
N	23	N	19	N	10	W	7	S	9	W	2	NE	8	N	8	W	2	N	19	14	36	N	10.26 10.28
SW	9	SW	8	E	9	E	7	C	1	W	7	W	6	W	6	W	6	SW	7	8	28	E	17.44 17.48
W	19	W	18	W	13	SW	9	SW	7	SW	3	SW	2	E	4	E	5	W	16	10	35	W	14.13
NW	15	N	17	N	15	N	13	N	12	N	10	N	8	N	11	N	13	N	13	11	26	NW	14.53
N	29	N	30	N	24	N	21	N	16	N	19	N	19	N	19	N	13	N	24	21	42	N	11.15
N	18	N	18	N	13	NE	5	E	5	E	3	E	5	E	4	E	7	N	11	10	31	N	12.16
SW	3	SW	3	SW	2	NW	6	NW	8	W	4	W	2	W	3	C	0	NE	6	7	28	SE	6.42 6.44
SE	8	SE	11	SE	12	SE	12	SE	11	SE	13	SE	11	SE	10	SE	8	SE	16	9	26	SE	21.38
SE	5	E	6	E	3	E	4	E	3	E	2	C	1	SE	3	C	0	SE	9	6	22	SE	9.04
C	0	C	0	C	1	C	0	SE	2	SE	5	SE	2	SE	2	SW	5	C	10	2	16	E	12.52
W	10	W	8	W	4	W	4	C	0	NW	4	NW	3	NW	5	NW	5	SW	9	5	19	W	13.16
NW	14	N	11	NE	8	NE	7	NE	4	C	1	E	5	SW	13	SW	15	NW	16	11	30	NW	9.53
SW	10	SW	4	SW	4	W	4	C	0	C	1	C	0	W	3	C	1	SW	13	9	38	SW	0.40
NW	17	NW	18	NW	15	N	10	NE	7	NE	11	NE	10	NE	12	NE	10	NW	15	13	35	NW	13.08
NE	22	NE	22	NE	16	NE	9	NE	8	E	3	E	4	E	2	E	4	NE	20	15	33	N	12.32
SE	5	E	5	E	5	E	8	E	4	E	5	E	4	E	5	E	3	E	9	11	48	W	12.17
E	8	E	6	E	6	E	7	SE	6	SE	7	SE	6	SE	5	SE	4	E	19	8	22	E	9.34
E	6	E	13	NE	16	E	5	E	7	E	2	E	4	E	8	NE	7	E	18	7	26	E	10.33
SE	9	SE	9	SE	15	SE	10	SE	9	SE	9	SE	9	SE	8	SE	3	SE	9	5	26	SE	19.56
E	10	E	12	E	12	E	8	E	7	E	6	E	2	E	4	E	3	E	14	6	19	SE	10.20
NE	10	NE	8	E	7	E	4	E	4	E	3	C	1	E	6	E	7	E	15	5	17	NE	11.14
E	10	E	9	E	7	E	7	E	3	E	5	E	5	E	6	E	3	E-NE	12	8	23	NE	13.28
NE	12	NE	11	E	7	E	3	E	4	E	3	E	3	E	5	E	3	E	11	4	19	NE	14.07
NE	5	NE	7	E	8	E	7	E	9	E	9	E	7	E	5	E	6	E	11	7	19	NE	7.19
W	8	E	13	E	18	E	24	E	15	E	13	E	17	E	11	E	8	E	11	10	34	E	18.52
NE	4	NE	6	SW	2	SW	3	SW	6	SW	8	W	2	W	2	SW	6	E	7	6	20	NE	6.28
S	6	S	5	S	4	C	1	C	0	C	1	C	1	E	3	E	4	S	10	6	24	SW	2.33
NE		E		E		E		E		E		E		E		E		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		96 Km.		
6		8		10		11		10		11		10		12		11					DIREC.	DIA	HORA
	11		11		10		8		6		6		5		6		6	E	169	9	N	5 9	de 11.25 a 11.30 de 12.10 a 12.15

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	10	107	4	38	2	24	1	11	1	12					6	94		286
2	4	29	2	29	4	33	4	35	2	9	2	34	1	3	3	29	2	203
3									2	8			20	199	2	6		213
4	6	25											18	184				209
5	19	304	1	8					1	9			3	11				332
6	3	23			4	26			1	4	7	70	6	43	2	18	1	185
7					2	9					6	48	16	195				252
8	13	171			4	12	1	2							5	82	1	268
9	24	503																503
10	11	188	4	27	6	29							1	4			2	249
11			6	45	2	14	5	53	2	20	3	8	3	9	2	14	1	163
12							16	159	4	32			3	20			1	212
13					5	18	9	66	8	60							2	145
14			1	9	4	25	6	16	1	3	2	7					10	61
15									3	9	9	53	6	42	4	17	2	121
16	1	11	3	19	1	5					2	28			16	210	1	274
17							3	18	2	20	13	159	2	7			4	206
18	1	10	5	50											15	250	3	311
19			20	342	4	13												355
20			5	58	9	43	2	9	2	22					6	129		261
21					19	159	5	28										187
22			2	23	18	130	4	21										174
23					2	7	9	81	7	34	2	4					4	128
24					14	105	7	32									3	139
25			8	53	15	72											1	126
26			12	122	12	78												200
27			8	63	11	43											5	107
28	4	50	8	67	11	61											1	179
29	1	5	3	9	11	126							6	58	2	16	1	215
30	1	9	6	38	7	44					6	29	3	7	1	6		133
31					2	7			10	67	8	75					4	152
SUMAS	98	1435	98	1000	169	1083	72	531	46	309	60	515	88	782	64	871	49	6549
% PREVAL POR VELOCIDAD	21.9		15.3		16.5		8.1		4.7		7.9		11.9		13.3		0.4	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	15		10		6		7		7		8		9		14		0.5	211

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	5	2	10	3	2	3	2	1	3
1 - 2	2	4	7	3	3	2	4	1	5
2 - 3	2	4	7	3	4	2	4	2	3
3 - 4	3	5	5	2	2	3	3	3	5
4 - 5	3	5	5	2	4	1	3	2	6
5 - 6	3	6	6	2	2	3	3	3	3
6 - 7	4	5	3	2	3	2	4	4	4
7 - 8	5	5	4	3	3	3	3	4	1
8 - 9	6	4	3	4	4	2	3	5	
9 - 10	6	5	3	3	2	4	3	5	
10 - 11	6	4	6	2	2	3	4	4	
11 - 12	4	3	7	3	2	3	4	5	
12 - 13	3	7	4	3	3	3	4	4	
13 - 14	3	7	5	2	3	2	5	4	
14 - 15	3	5	7	3	2	2	5	4	
15 - 16	3	6	4	4	1	3	5	4	1
16 - 17	5	5	8	2	1	3	4	2	1
17 - 18	5	3	10	2	1	4	4	1	1
18 - 19	5	3	11	2		3	4	1	2
19 - 20	4	3	10	5	1	2	1	1	4
20 - 21	4	1	11	5		2	4	1	3
21 - 22	4	2	10	4	1	1	4	1	4
22 - 23	6	1	12	5		1	5	1	
23 - 24	4	3	11	3		3	3	1	3
SUMAS	98	98	169	72	46	60	88	64	49
% de frec. por dirección	13.2	13.2	22.7	9.7	6.2	8.1	11.8	8 6	6.1

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	Cu 1 Ci 7	8	Ci	3	Claro	0	Claro	0	Claro	0	98	99	98
2	Ci	5	Ci	3	Cu 3 Cs 5	8	Fs	8	Fs	8	9	8	7
3	Claro	0	Claro	0	Claro	0	Ci	7	Ci	6	9	9	8
4	Ci	5	Ci	6	Ci	6	Ci	5	Ci	4	8	8	8
5	Claro	0	Cs	8	Ci	6	Ac As 6 Ci 1	7	Cb	6	9	8	8
6	Fs	8	Sc	8	Cb	7	Ac	6	Sc 2 Ci 1	3	7	7	9
7	Ci	4	Ci	1	Ci	1	Claro	0	Claro	0	9	9	9
8	Claro	0	Ci	1	Cu 1 Ci 2	3	Ci	6	Cs	8	9	9	8
9	Claro	0	Claro	0	Ci	1	Ci	3	Ci	2	9	9	9
10	Ci	3	Ci	2	Ci	3	Ci	4	Ci	3	9	9	9
11	Ns	8	St	8	Fs	8	Cb	7	Cb	6	7	9	8
12	Ns	8	Ns	8	Ns	8	Ns	8	Ns	8	3	5	8
13	Ac 2 Cs 5	7	Cu 4 Ci 2	6	Cu	5	Cu Sc	2	Claro	0	9	9	8
14	Sc	6	Sc	8	St	8	St	8	St	8	8	7	7
15	Sc 4 Ci 2	6	Cu 2 Ci 4	6	Cu 1 Ci 4	5	Claro	0	Claro	0	9	9	8
16	Claro	0	Cu 1 Ci 5	6	Cu 2 Ci 5	7	Sc 1 Ac 2 Ci 2	5	Ac	2	9	9	9
17	Ns	8	Ns	8	Fs	8	Sc	5	Ci	2	8	8	9
18	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	9
19	Ci	2	Cu 3 Ci 1	4	Cu 2 Ci 2	4	Ci	3	Ci	1	9	9	8
20	Cu	7	Cu Sc	7	Fs	7	Cb	6	Cb	7	9	6	7
21	Ns	8	Ns	8	Cb	8	Fs	8	Sc	3	4	6	7
22	Ns	8	Ns	8	Ns	8	Fs	8	Fs	8	6	7	8
23	St	8	Sc	7	Sc 6 Ac 1	7	Cu 2 Ci 1	3	Ci	4	4	9	8
24	Claro	0	Cu	2	Cu	1	Claro	0	Claro	0	9	7	9
25	Claro	0	Cu	1	Claro	0	Claro	0	Ac	1	9	9	8
26	Sc	7	Cu 3 Ac 3	6	Sc	5	Claro	0	Claro	0	8	8	9
27	Claro	0	Cu	4	Cu	2	Ci	2	Claro	0	9	8	8
28	Claro	0	Cu	2	Cu	3	Claro	0	Claro	0	9	9	9
29	Cu Sc 4 Ci 1	5	Cu 1 Cs 5	6	Cu 1 Ci 3	4	Fs 6 As 1	7	Fs	8	8	8	8
30	Ns	8	Ns	8	Ns	8	Cb	7	Fs	8	7	7	7
31	Sc	7	Cu	1	Claro	0	Claro	0	Claro	0	9	9	8
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
	9	45.1	29.5	1.27	8	5	5	
	10	49.4	32.2	1.40	7	5	5	
1	12	54.0	36.3	1.44	3	5	5	
	14	56.5	39.8	1.36	0	5	5	
	15	54.8	39.2	1.27	0	5	5	
	9	55.3	38.0	1.41	3	5	5	
	10	57.8	40.3	1.42	2	5	5	
2	12	46.2	36.2	0.81	3	5	5	
	14	55.4	39.7	1.28	8	5	5	
	15	49.7	34.8	1.21	7	5	5	
	9	48.6	31.6	1.38	0	5	5	
	10	51.0	34.0	1.38	0	5	5	
3	12	54.1	36.1	1.46	0	5	5	
	14	54.8	38.8	1.30	0	5	5	
	15	55.0	39.0	1.30	0	5	5	
	9	50.8	36.8	1.14	2	5	5	
	10	53.0	38.8	1.15	2	5	5	
4	12	51.5	39.6	0.97	6	4	5	
	14	45.8	37.2	0.70	6	4	5	
	15	51.0	38.6	1.01	5	5	5	
	9	51.0	37.5	1.10	2	5	5	
	10	53.0	39.2	1.12	4	5	5	
5	12	55.6	41.5	1.15	8	5	5	
	14	49.0	39.0	0.81	6	4	5	
	15	49.6	48.0	0.94	8	4	5	
	9				8	0	4	LL.
	10				8	0	4	LL.
6	12				8	0	5	Am.
	14				7	0	4	LL.
	15				8	0	4	LL.
	9	45.0	28.5	1.34	4	5	5	
	10	49.5	31.2	1.49	1	5	5	
7	12	52.3	33.8	1.50	1	5	5	
	14	51.3	33.8	1.42	1	5	5	
	15	50.3	31.4	1.54	0	5	5	
	9	47.1	29.6	1.42	6	5	5	
	10	47.8	31.5	1.33	7	5	5	
8	12	51.6	33.8	1.45	1	5	5	
	14	52.8	35.4	1.49	3	5	5	
	15	50.7	35.1	1.27	5	5	5	
	9	50.4	33.7	1.36	0	5	5	
	10	53.9	36.3	1.43	0	5	5	
9	12	56.3	39.3	1.38	0	5	5	
	14	55.9	39.9	1.30	1	5	5	
	15	54.7	39.0	1.28	0	5	5	
	9	51.3	34.5	1.36	3	5	5	
	10	53.5	36.4	1.39	3	5	5	
10	12	56.6	39.5	1.39	2	5	4	B.
	14	57.4	40.9	1.34	3	5	5	
	15	56.3	40.5	1.28	1	5	5	
	9				6	0	4	LL.
	10				8	0	4	LL.
11	12	32.2	24.7	0.61	8	0	5	
	14	31.8	25.5	0.51	8	0	5	
	15	32.8	25.9	0.65	8	1	5	
	9				8	0	4	LL.
	10				8	0	4	LL.
12	12				8	0	4	LL.
	14				8	0	4	LL.
	15				8	0	4	LL.
	9	38.9	21.6	1.41	7	4	5	
	10	45.0	24.5	1.67	6	5	5	
13	12	43.2	25.6	1.43	6	3	5	
	14	51.0	29.5	1.75	5	5	5	
	15	51.3	29.8	1.75	6	3	5	
	9	24.2	18.5	0.48	7	0	5	
	10	31.6	23.7	0.64	8	1	4	B.
14	12	22.2	20.1	0.17	8	0	4	B.
	14	23.8	19.4	0.36	8	0	4	B.
	15	22.5	19.3	0.26	8	0	4	B.
	9	39.0	24.0	1.22	8	4	5	
	10	41.6	25.7	1.29	7	4	5	
15	12	43.6	27.9	1.28	6	4	5	
	14	37.7	26.6	0.90	5	4	5	
	15	47.2	29.7	1.42	4	5	5	
	9	47.8	31.1	1.36	1	5	5	
	10	50.3	32.9	1.41	2	5	5	
16	12	53.7	35.8	1.46	6	5	5	
	14	46.5	33.0	1.10	7	3	5	
	15	54.6	32.0	1.50	7	3	5	
	9	28.4	20.0	0.68	8	1	5	
	10				8	0	5	Am.
17	12				8	0	4	LL.
	14				8	0	4	LL.
	15				8	0	4	LL.
	9	44.6	27.4	1.40	0	5	5	
	10	46.6	29.4	1.40	0	5	5	
18	12	49.0	32.1	1.39	0	5	5	
	14	50.3	33.5	1.36	0	5	5	
	15	49.3	33.3	1.30	0	5	5	
	9	47.4	29.5	1.46	3	5	5	
	10	38.5	27.1	0.93	5	1	5	
19	12	41.7	29.2	1.02	4	3	5	
	14	51.9	33.8	1.47	4	5	5	
	15	50.6	33.4	1.40	3	5	5	
	9	41.8	31.8	0.81	6	2	5	
	10	48.8	34.5	1.16	7	2	5	
20	12	47.9	35.7	0.99	7	2	5	
	14				7	0	2	LL.
	15				7	0	2	LL.
	9				8	0	1	LL.
	10				8	0	1	LL.
21	12				8	0	2	LL.
	14				8	0	2	LL.
	15				8	0	2	LL.
	9				8	0	2	LL.
	10				8	0	2	LL.
22	12				8	0	3	LL.
	14				8	0	3	LL.
	15				8	0	3	LL.
	9				8	0	4	
	10				8	0	4	
23	12	48.0	31.0	1.38	7	3	5	
	14	49.6	31.0	1.51	7	3	5	
	15	46.2	31.1	1.23	4	5	5	
	9	42.0	23.2	1.53	0	5	5	
	10	44.4	25.3	1.53	2	5	5	
24	12	45.4	26.9	1.50	2	5	5	
	14	45.5	27.3	1.48	1	5	4	B.
	15	44.8	27.3	1.42	1	5	5	
	9	41.8	25.4	1.33	2	5	5	
	10	41.2	25.7	1.26	4	3	5	
25	12	48.5	29.3	1.56	1	5	5	
	14	48.0	29.4	1.51	0	5	5	
	15	46.9	29.1	1.45	0	5	5	
	9	42.4	26.9	1.27	6	3	5	
	10	43.4	28.2	1.24	6	1	5	
26	12	50.9	31.2	1.60	6	3	5	
	14	34.6	26.8	0.63	5	3	5	
	15	44.3	30.3	1.14	5	3	5	
	9	47.3	30.3	1.38	0	5	5	
	10	49.5	31.8	1.44	1	5	5	
27	12	42.7	31.1	0.94	4	5	5	
	14	48.8	33.0	1.28	2	5	5	
	15	49.0	33.2	1.28	1	5	5	
	9	47.8	31.2	1.35	0	5	5	
	10	50.5	33.3	1.40	0	5	5	
28	12	52.3	34.6	1.44	2	5	5	
	14	51.5	35.5	1.30	3	5	5	
	15	40.0	32.0	0.65	3	3	5	
	9	52.2	34.4	1.45	6	5	5	
	10	51.4	36.0	1.25	6	4	5	
29	12	60.8	40.0	1.69	6	5	5	
	14	56.8	39.4	1.41	4	5	5	
	15	50.0	37.0	1.06	5	3	5	
	9				8	0	2	LL.
	10				8	0	1	LL.
30	12				8	0	3	LL.
	14				8	0	3	LL.
	15				8	0	3	LL.
	9	33.4	22.0	0.93	7	3	5	
	10	37.4	23.5	1.13	4	3	5	
31	12	47.0	28.5	1.50	1	5	5	
	14	47.4	29.2	1.48	0	5	5	
	15	47.5	29.4	1.47	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	0.5	11.0	14.3	77
2		0.9	0.6	1.0	1.0	1.0	1.0	0.4	1.0	1.0					7.9	14.3	55
3	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.7		11.8	14.2	83
4			0.4	1.0	1.0	1.0	1.0	0.7	0.7	0.8	1.0	1.0	0.9		9.5	14.2	67
5	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2			10.8	14.2	76
6						0.3	0.6	0.3						0.6	1.8	14.2	13
7	0.4	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	12.8	14.2	90
8	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	0.1	12.4	14.2	87
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	1.0	0.7	13.2	14.2	93
10	0.5	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.8	14.2	90
11											0.1	0.2			0.3	14.1	02
12															0.0	14.1	00
13		0.1		0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.3	1.0	0.2	9.1	14.1	64
14			0.4												0.4	14.1	03
15				0.7	0.9	1.0	1.0	1.0	0.8	1.0	1.0	1.0	1.0	0.6	10.0	14.1	71
16	0.4	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.5	0.9	0.9	0.7	0.6		10.9	14.0	78
17														0.4	0.4	14.0	03
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	1.0	0.8	13.2	14.0	94
19	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	0.8	13.3	14.0	95
20	0.3	0.3	0.8	0.4	0.6	0.9	0.8	0.7	0.1			0.1			5.0	14.0	36
21								0.2	0.1						0.3	13.9	02
22												0.1			0.1	13.9	01
23							0.8	0.3	0.5	1.0	1.0	1.0	1.0	0.5	6.1	13.9	44
24	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	13.9	94
25	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	13.8	94
26	0.4	0.5	0.5	0.3	1.0	0.5	0.7	1.0	0.5	1.0	1.0	1.0	1.0	0.6	10.0	13.8	72
27		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	12.5	13.8	91
28	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	13.8	95
29		0.8	0.7	0.9	1.0	0.8	0.7	1.0	1.0	1.0	1.0	1.0	0.4		10.3	13.7	75
30											0.1		0.2		0.3	13.7	02
31		0.2	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	11.4	13.7	83
Medias	0.2	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.6	0.6	0.3	8.3	14.0	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	22.2	26.7	25.9	22.5	25.0	25.2	21.4	21.9	22.7	22.0	22.0	22.5	-	-	-
2	24.3	28.1	25.6	23.9	26.2	25.6	22.3	22.0	23.0	22.5	22.9	23.4	-	-	-
3	23.6	28.0	26.2	23.6	26.4	25.8	22.6	23.0	23.8	23.0	23.0	23.7	-	-	-
4	25.0	27.4	26.2	23.2	25.7	25.6	23.4	22.8	23.6	23.2	23.0	23.4	-	-	-
5	23.7	27.6	26.6	22.8	25.9	26.0	22.6	23.2	23.8	23.4	23.2	23.6	-	-	-
6	24.6	25.4	23.6	24.0	24.8	23.7	23.0	23.0	22.6	23.6	23.2	23.2	-	-	-
7	21.6	21.5	22.5	22.0	24.4	23.9	21.1	21.6	22.0	22.0	21.9	22.4	-	-	-
8	21.6	25.4	24.2	21.8	24.2	24.0	21.2	21.6	22.4	22.2	22.0	22.4	-	-	-
9	21.9	25.8	25.0	22.3	24.4	24.4	21.3	21.9	22.6	22.2	22.1	22.6	-	-	-
10	22.9	27.1	26.4	22.9	25.4	25.6	21.8	22.3	23.2	22.3	22.6	23.0	-	-	-
11	22.2	22.4	23.3	22.6	24.4	23.3	21.6	21.0	21.5	22.7	22.1	22.2	-	-	-
12	22.3	22.0	21.2	22.5	21.8	21.3	21.0	21.6	21.2	22.0	21.6	21.2	-	-	-
13	19.0	22.2	21.3	19.6	21.6	21.4	19.0	19.3	19.9	20.4	20.3	20.5	-	-	-
14	19.6	20.8	20.8	20.0	20.7	20.7	19.4	19.4	19.6	20.6	20.3	20.2	-	-	-
15	19.9	22.7	22.4	20.0	21.8	22.1	18.8	19.4	20.3	20.0	19.9	20.5	-	-	-
16	20.9	25.0	23.7	20.8	23.4	23.3	19.7	20.4	20.9	20.7	20.5	20.9	-	-	-
17	21.0	20.8	20.9	21.2	20.7	20.7	20.6	19.6	19.6	21.2	20.6	20.3	-	-	-
18	19.1	23.1	22.4	19.3	21.8	22.0	18.6	19.1	20.0	19.8	19.7	20.2	-	-	-
19	20.6	23.6	22.7	20.6	22.3	22.4	19.6	19.9	20.3	20.3	20.3	20.3	-	-	-
20	22.8	24.9	24.5	22.3	23.9	24.0	20.3	21.8	21.5	20.8	21.0	21.4	-	-	-
21	23.7	23.5	23.5	23.2	23.2	23.3	21.3	21.2	21.3	21.5	21.4	21.5	-	-	-
22	23.1	23.3	23.4	22.4	22.8	22.8	21.1	21.1	21.2	21.3	21.3	21.4	-	-	-
23	22.7	23.8	23.8	22.4	23.2	23.4	20.6	20.8	21.5	21.2	21.0	21.4	-	-	-
24	20.3	23.5	21.9	20.8	22.4	22.2	20.2	20.3	20.7	21.2	20.7	21.2	-	-	-
25	19.9	23.3	22.0	20.4	22.4	22.2	19.6	19.9	20.4	20.8	20.5	20.7	-	-	-
26	21.2	23.4	22.8	21.1	22.4	22.6	20.0	20.2	20.8	21.0	20.6	21.2	-	-	-
27	21.6	25.2	23.6	21.4	23.7	23.5	20.4	21.0	21.6	21.2	21.4	21.6	-	-	-
28	22.2	25.8	24.7	22.2	24.4	24.4	20.9	21.6	22.0	21.4	21.6	21.8	-	-	-
29	23.6	26.8	25.7	23.5	25.4	25.4	22.0	22.5	22.2	22.3	22.4	22.4	-	-	-
30	23.7	23.8	23.4	23.7	23.8	23.4	22.2	22.5	22.0	22.8	22.8	22.7	-	-	-
31	22.0	24.4	21.0	21.9	25.4	23.2	21.0	21.2	21.6	21.8	21.6	21.6	-	-	-
Prom.	22.0	24.4	23.6	22.0	23.7	23.5	20.9	21.2	21.6	21.7	21.5	21.8	-	-	-

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	2.0	2.3	3.8	6.9	S. 15	7.1	8.3	15.5			11726
2	-	14.0	12.8	12.7	0	0.8	2.5	1.7	4.4							11731
3					2	0.2	2.0	2.9	6.4							11742
4					1	1.5	2.6	4.2	8.6							11748
5					0	1.8	5.2	2.8	9.0							11756
6	22.1	23.8	22.1	22.0	0	1.0	0.5	1.2	1.8							11762
7					2	0.1	1.2	2.9	4.8	S. 16	15.3	14.8	18.0			11767
8					1	0.7	2.4	3.0	7.8							11786
9					0	2.4	5.0	3.5	12.0							11795
10	37.4	38.0	37.0	37.0	0	3.5	2.6	3.2	6.9							11803
11	14.7	17.9	15.9	15.8	2	1.1	0.1	0.5	1.1							11811
12	17.0	18.3	15.3	14.9	2	0.5	0.0	0.2	1.2							11812
13	0.0	0.0	0.0	0.0	2	1.0	0.6	2.5	3.9	S. 17	21.5	20.1	23.8	20.7	15.2	11809
14	0.0	0.0	0.0	0.0	2	0.8	0.4	0.3	1.3							11797
15					2	0.6	1.1	1.5	3.3							11781
16	20.1	21.0	20.6	20.5	1	0.7	2.4	2.0	5.3							11775
17	3.5	5.4	5.0	4.5	2	0.9	0.2	0.1	0.7	S. 18	20.3	19.2	23.3			11775
18					2	0.4	2.5	1.6	7.1							11776
19	0.0	0.0	0.0	0.0	1	3.0	2.2	2.2	5.6							11775
20	26.3	28.0	17.9	-	0	1.2	1.3	0.2	1.7							11770
21	29.7	36.4	28.6	33.4	2	0.2	0.1	0.1	0.4							11748
22	78.6	86.4	83.4	78.6	2	0.2	0.1	0.0	0.3							11798
23	0.0	0.7	0.0	0.0	2	0.2	0.4	1.4	2.9							10684
24					2	1.1	1.2	1.1	3.0							10313
25					2	0.7	2.6	0.3	3.7	S. 19	20.1	20.3	24.0			10329
26					1	0.8	1.3	1.3	3.0							10329
27					0	0.4	1.2	1.9	3.5	S. 20	19.0	18.9	24.9			10328
28					0	0.4	1.7	1.4	3.6							10327
29	28.0	34.5	31.4	32.0	0	0.5	1.7	0.4	2.7							10326
30	29.2	33.6	-	31.3	2	0.6	1.1	0.1	1.6							10321
31					2	0.4	1.1	1.3	3.0							10219
Prom.	-	358.0	-	-	-	0.9	1.6	1.6	4.1	-	-	-	-	-	-	11362

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		
-	-	-	22.1	22.2	22.2	19.5	17.9	15.4	Cn. m., Ca. t. y n., CH. m.
-	-	-	22.2	22.4	22.4	19.5	18.0	21.6	Cn. m. t. y n., CH. Ru. t. y n.
-	-	-	22.4	22.5	22.6	19.6	18.0	-	Ca. m. y t., Cn. n.
-	-	-	22.7	22.7	22.7	19.6	18.1	-	Cn. m. t. y n.
-	-	-	22.7	22.8	22.8	19.6	18.1	14.4	Ca. m., Cn. t. y n., R. n.
-	-	-	22.9	22.8	22.9	19.7	18.1	16.8	Cn. m. y t., Ca. n., Ru. LL. m. y t.
-	-	-	23.0	23.0	23.0	19.8	18.1	11.7	Cn. m., Ca. t. y n.
-	-	-	23.0	23.0	23.0	19.8	18.2	9.9	Ca. m., Cn. t. y n., r. m.
-	-	-	22.9	22.9	23.0	19.8	18.2	13.4	Ca. m. t. y n.
-	-	-	23.0	23.0	23.0	19.9	18.2	12.9	Ca. m. t. y n.
-	-	-	22.3	23.2	23.2	19.9	18.2	18.6	Cn. m. t. y n., Ru. LL. m., P. t., R. n.
-	-	-	23.2	23.2	23.2	20.1	18.3	15.2	Cn. m. t. y n., LL. m. t. y n.
-	-	-	22.9	23.0	22.9	20.2	18.3	9.5	Cn. m. t. y n.
-	-	-	22.9	22.9	22.9	20.4	18.3	8.9	Cn. m. t. y n., Z. t. y n.
-	-	-	22.6	22.6	22.6	20.7	18.4	14.5	Cn. m. y t., Ca. n., r. m.
-	-	-	22.6	22.6	22.5	20.3	18.3	10.1	Ca. m. y n., Cn. t., r. m., R. n.
-	-	-	22.5	22.5	22.5	20.3	18.3	14.9	Cn. m. y t., Ca. n., Ru. LL. m. y t., r. n.
-	-	-	22.4	22.4	22.4	20.4	18.5	6.6	Ca. m. t. y n., r. n.
-	-	-	22.3	22.3	22.2	20.4	18.5	12.6	Ca. m. y n., Cn. t.
-	-	-	22.2	22.2	22.2	20.4	18.6	17.1	Cn. m. t. y n., r. m., CH. m., Ru. LL. t, R. n.
-	-	-	22.4	22.4	22.5	20.4	18.6	20.8	Cn. m. t. y n., LL. Ru. m. t. y n., N. t. y n.
-	-	-	22.5	22.5	22.5	20.4	18.6	19.5	Cn. m. t. y n., Ru. LL. m. t. y n.
-	-	-	22.6	22.4	22.5	20.4	19.9	19.4	Cn. m. y t., Ca. n.
-	-	-	22.5	22.6	22.4	21.2	20.6	6.4	Ca. m. t. y n., r. m., B. t.
-	-	-	22.5	22.6	22.5	21.1	19.9	-	Ca. m. t. y n., r. m.
-	-	-	22.6	22.6	22.6	21.1	19.4	12.1	Cn. m. y t., Ca. n., r. m. y n.
-	-	-	22.6	22.6	22.6	21.1	19.4	13.1	Ca. m. t. y n., r. m. y n.
-	-	-	22.6	22.6	22.6	21.3	19.6	12.7	Ca. m. t. y n., r. m.
-	-	-	22.7	22.8	22.8	22.9	19.6	17.1	Cn. m. t. y n, Jl. m, Ns. m, Ru. LL. t, Ru. n.
-	-	-	23.3	23.3	23.3	21.0	19.6	20.4	Cn. m. t. y n., Ru. LL. m. t. y n.
-	-	-	23.0	23.1	23.1	21.1	20.2	-	Cn. m., Ca. t. y n., r. n.
-	-	-	22.6	22.7	22.7	20.4	18.7	14.3	

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	53.1	59.3	1	8	46.7	6	13	25.2	33.4	16.6	37.2	10	14-15	11.9	8	5-6	10.4	14.2	73
2ª	56.2	63.2	13,14	24;0	51.2	16	17	19.3	25.4	14.7	33.4	20	12-13	11.1	18	3	6.3	14.0	45
3ª	57.2	65.8	24	8,10	47.7	30	18	21.5	25.9	17.1	34.5	29	16-17	10.8	24	5-6	8.2	13.8	59
MES	55.5	65.8	24	8,10	46.7	6	13	22.1	28.1	16.1	37.2	10	14-15	10.8	24	5-6	8.3	14.0	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	63	100	varios	20	9	13.7	22.5	6.0	N	15	96	5,9	38	9	12-13	42	N	10	12.16	75.8	38.0	10	12.5	6	14-15
2ª	82	100	varios	39	18	13.7	24.5	8.0	NW	14	72	18, 20	26	19	12-13	48	W	20	12.17	90.6	28.0	20	37.0	11	6.30-7.30
3ª	85	100	varios	40	25	15.7	21.5	8.5	E	7	60	29	24	29	18-19	34	E	29	18.52	191.6	86.4	22	20.0	22	10-11
MES	77	100	varios	20	9	14.4	24.5	6.0	N	15	96	5,9	38	9	12-13	48	W	20	12.17	358.0	86.4	22	37.0	11	6.30-7.30

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACIÓN							VIENTO - TORM. ELÉCT.		
	Aire difan	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	-	-	-	-	-	-	3	-	-	2	-	-	-	2	3	4
2ª	8	-	-	-	-	-	-	4	1	-	-	-	-	-	1	3	3
3ª	7	1	-	-	1	-	-	4	-	-	-	-	-	-	-	4	4
MES	24	1	-	-	1	-	-	11	1	-	2	-	-	-	3	10	11

DÉCADA	FENOMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Granizada blanda	Granizada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
1ª	1	-	-	-	-	-	-	-	-	-	-	-	3	-	10	5
2ª	2	-	-	-	-	-	-	-	-	-	-	-	5	-	5	-
3ª	-	-	-	-	-	-	-	-	1	-	-	3	3	-	5	-
MES	3	-	-	-	-	-	-	-	1	-	-	3	11	-	20	5

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VIII FEBRERO 1953 Nº 2

RESUMEN MENSUAL

Afluencia continua de aire fresco y seco, provoca los mínimos mensuales de la temperatura y humedad absoluta, en la mañana del 2 con 11.1°C y 8.5 mmHg respectivamente. En los días siguientes se nota un marcado ascenso de estos dos elementos debido al aire caliente y húmedo que llega del sector N. Mantiénese el buen tiempo hasta la noche del día 6 en la que al desplazarse una masa de aire seco y fresco desde el SE se producen ligeras lluvias. El tiempo sigue siendo inestable con presión atmosférica en continuo ascenso hasta alcanzar el máximo mensual el 10, con 764.8 mmHg.

Durante la segunda década reina tiempo bueno y estable con intensa insolación. Con la temperatura en continuo ascenso debido al cambio del viento al sector N, el día 16 empieza a subir también la humedad. El tiempo que era muy estable al principio de la década se inestabiliza pronunciadamente hacia el fin de la misma.

El proceso que se iniciara el 16 culmina el día 21 cuando la temperatura alcanza el valor máximo mensual con 36.0°C al encontrarse el Observatorio en pleno ambiente tropical. Una masa de aire fresco que avanza desde el S y llega en la madrugada del 22 al Río de la Plata, desencadena lluvias tan intensas que representan el 75% del valor mensual. Este es también el único día del mes de cielo totalmente cubierto. Dos días después predomina nuevamente aire tropical, registrándose luego hasta fin de mes el período más húmedo de todo el verano. La tensión del vapor alcanza 25.5 mmHg el 26, significando ello el valor máximo del verano; la temperatura a su vez se eleva hasta 10.0°C sobre su valor medio. En los dos últimos días del mes el pasaje de un débil frente frío provoca ligeras lluvias y leve descenso de la temperatura.

Los rasgos característicos de este mes son la alta temperatura y humedad absoluta reinantes. La temperatura no solo acusa un promedio mensual que es 2.5°C mayor que la normal sino también 1.3°C más alto que el de Enero; análogamente la humedad registra los valores de 1.5 mmHg sobre la normal y de 1.6 mmHg superior al del mes anterior. Todos los demás elementos confirman los valores propios de su variación en Febrero.

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	131	69	48	41	28	21	76	69	55	83	97	124	110	104	76
2	62	62	48	41	41	83	117	200	233	226	172	138	124	138	104
3	62	55	62	55	55	76	97	83	97	110	138	110	110	131	117
4	41	34	34	55	55	69	69	69	41	55	55	55	55	69	76
5	69	69	62	83	83	90	90	83	76	76	48	21	55	48	28
6	83	110	159	83	97	152	138	252	284	233	172	97	69	104	172
7	97	90	69	83	76	69	110	220	186	110	97	152	152	124	97
8	76	55	41	55	48	55	69	90	104	131	∞	-210	117	152	210
9	138	124	110	97	124	124	117	124	152	124	104	83	83	90	90
10	117	124	138	131	138	110	207	278	252	246	252	246	213	172	138
11	138	138	138	138	152	138	166	272	110	162	159	117	117	117	152
12	90	69	41	41	55	62	124	186	124	145	110	48	28	- 28	- 14
13	110	110	97	69	48	48	83	97	83	104	90	76	90	90	97
14	110	90	83	83	55	41	83	179	138	97	97	62	69	69	55
15	55	55	41	41	34	34	48	83	69	55	41	41	48	34	28
16	69	55	69	48	48	62	117	207	239	233	152	131	117	97	97
17	138	83	69	62	83	124	172	152	138	138	159	159	166	179	152
18	41	34	55	83	83	97	117	124	83	83	62	69	69	69	76
19	41	48	48	48	41	41	48	97	69	90	76	- 28	- 28	- 41	41
20	48	55	69	55	48	41	69	90	104	124	-145	-310	- 41	62	62
21	62	41	62	76	69	69	76	97	34	- 28	-138	-239	- 97	- 83	- 55
22	28	21	30	55	- 7	62	55	- 62	21	∞	±∞	±∞	±∞	±∞	±∞
23	124	152	131	152	69	-	-	-	179	207	179	166	166	179	152
24	-	-	41	28	34	21	21	28	55	55	104	90	97	83	83
25	55	104	90	90	83	76	117	172	110	124	152	131	145	152	124
26	117	97	138	83	69	104	124	166	124	166	117	83	-	-	138
27	62	97	97	90	90	152	166	152	∞	∞	-∞	±∞	∞	∞	±∞
28	145	310	110	62	41	-310	297	-239	233	200	166	138	138	159	159
29															
30															
31															
Prom.	90.4	83.6	81.9	75.0	75.0	82.8	114.6	161.3	141.9	136.7	124.9	111.9	108.6	108.7	103.2

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	0.96	0.89	1.85	1.08	565	504	1069	1.12	1.18	1.23
2	0.59	0.54	1.13	1.09	404	298	702	1.36	1.02	1.27
3	0.77	0.72	1.49	1.07	390	429	819	0.91	1.38	1.17
4	0.87	0.82	1.69	1.06	420	500	920	0.84	1.45	1.14
5	0.95	0.98	1.93	0.97	341	498	839	0.69	1.95	1.38
6	0.79	0.79	1.58	1.00	233	267	500	0.87	2.37	2.07
7	0.72	0.72	1.44	1.00	325	258	783	1.36	1.55	1.95
8	0.67	0.60	1.27	1.12	406	314	720	1.29	1.15	1.34
9	0.76	0.65	1.41	1.16	475	341	816	1.39	1.12	1.33
10	0.57	0.50	1.07	1.14	302	222	524	1.36	1.32	1.57
11	0.63	0.56	1.19	1.12	304	384	688	0.79	1.45	1.02
12	0.72	0.62	1.34	1.16	537	428	965	1.25	0.94	1.01
13	0.74	0.68	1.42	1.09	545	477	1022	1.04	0.95	1.00
14	0.72	0.65	1.37	1.11	414	261	875	1.59	1.22	1.74
15	0.92	0.87	1.79	1.06	525	345	870	1.52	1.22	1.76
16	0.71	0.61	1.32	1.17	475	378	853	1.26	1.05	1.03
17	0.70	0.60	1.30	1.17	380	346	726	1.10	1.29	1.21
18	0.81	0.76	1.57	1.07	547	487	1034	1.12	1.03	1.09
19	0.96	0.94	1.90	1.02	529	512	1041	1.03	1.27	1.28
20	0.77	0.75	1.52	1.03	382	411	793	0.93	1.41	1.28
21	0.85	0.83	1.68	1.02	291	476	767	0.61	2.04	1.22
22	0.89	1.02	1.91	0.87	472	433	905	1.08	1.32	1.65
23	0.64	0.52	1.16	1.23	464	307	771	1.51	0.97	1.19
24	0.94	0.80	1.74	1.18	596	410	1006	1.45	1.10	1.37
25	0.98	0.86	1.84	1.14	649	480	1129	1.35	1.06	1.25
26	0.96	0.82	1.78	1.17	576	366	942	1.57	1.17	1.57
27	0.84	0.77	1.61	1.09	522	557	1079	0.94	1.13	0.97
28	0.71	0.60	1.31	1.18	497	355	852	0.42	1.00	1.18
29										
30										
31										
Prom.	0.79	0.73	1.52	1.08	453	384	837	1.18	1.22	1.33

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
28	34	34	55	21	34	55	97	110	66.7	207	-145	352	1
124	152	104	97	97	110	131	131	110	118.5	259	7	252	0
104	104	110	104	124	138	131	83	62	96.6	193	28	165	0
76	110	110	110	76	69	104	76	69	68.0	252	14	238	0
- 21	55	90	∞	∞	±∞	±∞	±∞	- 7		∞	-∞	-	3 *
117	104	138	104	97	69	97	131	159	134.2	426	-167	593	1
69	90	104	104	179	104	104	97	110	112.2	246	34	212	0
239	213	233	97	69	83	97	83	55		∞	-686	-	3 *
124	117	104	117	145	145	124	152	97	117.0	207	00	207	0
207	213	226	252	186	193	172	117	124	185.5	328	48	280	0
76	55	48	48	69	124	97	97	104	122.3	333	- 41	374	1
28	28	48	104	226	239	186	220	110		284	-110	394	2
69	90	110	62	104	145	159	172	172	99.0	259	- 62	321	1
48	41	28	83	124	166	138	83	83	87.7	362	- 48	410	1
28	28	69	83	131	104	97	97	97	60.0	207	- 14	221	1
104	117	104	138	152	166	152	138	152	123.5	322	- 7	329	1
69	83	152	152	117	145	166	131	97	128.6	259	- 14	273	1
69	90	110	104	138	104	90	62	48	81.7	207	14	193	0
62	69	41	42	152	159	117	83	83		233	-210	443	2
28	55	90	97	90	110	69	83	69		246	-502	748	2
14	41	55	48	90	97	83	69	55		193	-548	741	2
±∞	193	207	104	152	117	207	83	131		∞	-∞	-	3 *
152	152	200	200	220	166	131	69	-		291	00	291	0 *
110	110	124	131	159	152	83	48	48		220	7	213	0 *
152	193	138	138	152	117	110	97	110	122.2	284	21	263	0
124	104	124	124	104	110	90	110	83		297	41	256	0 *
310	110	110	∞	∞	- 55	∞	207	172		∞	-∞	-	3 *
246	239	179	152	83	69	34	97	104		733	-947	1680	2
91.5	101.3	105.6	109.4	119.5	120.8	120.4	110.1	106.5	107.7				

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
3142	4112	7254	0.76	4.12	10,000
7815	8971	16786	0.87	4.46	34,500
6129	6846	12975	0.90	4.80	37,250
4747	5571	10318	0.85	3.83	-
2290	4409	7399	0.68	-	9,000
4860	6316	11176	0.77	7.08	-
7814	9417	17231	0.83	5.35	49,750
7328	8823	16151	0.83	-	38,500
4748	6281	11029	0.76	5.50	41,250
10245	11663	21908	0.88	6.58	39,250
10390	13301	23691	0.78	4.85	-
9082	9909	18991	0.92	-	24,500
9496	10499	19995	0.90	4.68	7,250
10279	11435	21714	0.90	4.00	-
6542	6693	13235	0.98	3.58	-
10326	10952	21278	0.95	5.44	5,750
11525	12406	23931	0.93	5.57	-
6675	10988	17663	0.51	4.27	-
4785	6604	11389	0.72	-	7,500
7290	7843	15133	0.93	-	-
4111	5460	9571	0.75	-	-
6880	6690	13570	1.03	-	-
7625	8637	16262	0.88	-	11,750
3474	4449	7923	0.78	-	8,250
4148	4971	9119	0.83	7.44	-
3890	5231	9121	0.74	-	11,500
5586	9791	15377	0.57	-	39,500
7175	7890	15065	0.91	-	33,750
6731	8008	14739	0.84	5.10	21,539

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	0.34	0.89	0.63	0.76	0.87	-	-	-	-	0.92	0.95	0.85
2	-	-	-	-	-	-	-	-	0.50	0.72	0.76	0.74
3	0.74	0.98	0.96	0.94	0.97	1.10	0.84	0.76	0.72	0.72	0.66	0.72
4	0.87	1.08	1.07	1.14	0.88	0.90	0.90	0.70	1.04	1.02	0.84	0.95
5	1.20	1.10	1.06	1.08	1.22	0.52	0.54	0.96	0.95	1.00	1.00	1.04
6	1.20	1.10	1.04	0.32	0.90	1.28	-	-	1.28	0.66	0.74	0.77
7	0.85	1.21	0.66	0.59	1.14	0.80	0.80	0.74	0.74	0.69	0.68	0.47
8	0.67	1.02	0.92	0.82	0.87	0.59	0.65	0.76	0.88	0.76	0.68	0.46
9	0.72	0.68	0.74	0.72	0.66	0.58	0.56	0.59	0.76	0.97	0.97	1.15
10	0.46	0.48	0.55	0.58	0.72	0.95	0.86	0.54	0.55	0.50	0.58	0.60
11	0.45	0.46	0.48	0.50	0.39	0.42	0.52	0.58	0.78	0.76	0.79	0.79
12	0.60	0.73	1.07	0.87	1.08	1.30	1.04	0.60	0.84	0.76	0.84	0.70
13	0.56	0.58	0.61	0.82	1.22	1.07	0.91	0.98	1.06	0.68	0.78	0.80
14	0.71	0.74	0.86	0.80	0.73	0.82	0.97	0.82	0.58	0.87	0.79	0.75
15	1.02	1.02	0.93	1.24	1.02	1.02	1.03	1.06	0.99	1.03	0.89	1.04
16	0.75	0.79	0.88	1.10	1.17	0.84	0.69	0.61	0.61	0.59	0.79	0.83
17	0.50	0.57	0.58	0.61	0.54	0.64	0.69	0.79	1.00	0.94	0.96	0.87
18	0.62	0.58	0.84	0.99	0.72	0.92	0.74	0.89	0.96	1.02	1.04	0.94
19	1.36	1.32	1.51	1.34	1.27	1.06	0.94	0.78	0.84	0.92	1.10	1.04
20	1.07	1.17	1.02	0.97	0.98	0.90	0.74	0.64	0.57	0.46	0.45	0.46
21	0.44	1.12	1.09	1.14	1.16	1.12	1.06	0.94	0.93	0.84	0.82	0.79
22	0.87	1.16	1.24	1.30	1.14	1.00	0.93	0.74	0.78	0.80	0.64	0.62
23	0.69	0.69	0.62	0.60	0.46	0.42	0.42	0.43	0.89	0.90	0.78	0.89
24	0.74	0.92	1.18	1.13	0.99	0.92	0.82	0.80	1.01	1.04	1.04	1.07
25	0.55	0.90	1.14	1.30	1.29	1.18	1.00	0.96	1.06	1.15	0.97	0.98
26	0.92	0.77	0.92	0.95	0.88	0.87	0.76	0.98	0.99	0.98	0.86	1.12
27	1.09	1.09	1.07	0.98	1.06	0.82	0.78	0.80	1.06	1.30	0.47	0.64
28	0.58	1.10	1.22	1.17	0.92	0.47	0.61	0.42	0.70	0.76	0.82	0.70
29												
30												
31												
Promedio	0.76	0.90	0.92	0.92	0.94	0.86	0.79	0.75	0.85	0.85	0.85	0.81

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	0.34	1.14	0.76	0.96	1.41	-	-	-	-	0.90	0.92	0.82
2	-	-	-	-	-	-	-	-	0.64	0.55	0.64	0.64
3	0.72	0.96	0.86	0.95	1.03	0.90	0.62	0.73	0.64	0.64	0.69	0.64
4	0.80	1.06	1.02	0.80	0.68	0.76	0.78	0.76	1.06	0.94	0.88	0.98
5	1.18	0.98	0.94	0.94	1.07	1.62	1.78	0.83	0.93	1.04	1.05	1.05
6	1.25	1.74	1.33	1.00	0.54	0.94	1.03	1.46	0.46	0.53	0.64	0.76
7	1.15	0.93	0.75	0.88	1.30	0.94	1.02	0.53	0.72	0.70	0.55	0.50
8	0.58	0.94	0.90	0.76	0.70	0.50	0.48	0.66	0.86	0.74	0.55	0.59
9	0.50	0.53	0.55	0.55	0.44	0.40	0.40	0.47	0.69	0.83	0.94	1.04
10	0.40	0.42	0.46	0.48	0.58	0.64	0.58	0.48	0.44	0.48	0.62	0.64
11	0.37	0.42	0.42	0.42	0.36	0.37	0.40	0.36	0.85	0.66	0.68	0.73
12	0.46	0.64	0.96	0.89	0.76	0.78	0.72	0.40	0.82	0.63	0.76	0.66
13	0.55	0.52	0.54	0.76	1.01	0.80	0.89	1.01	0.98	0.69	0.91	0.78
14	0.62	0.55	0.67	0.65	0.70	0.65	0.76	0.64	0.66	1.00	0.72	0.69
15	0.84	1.00	0.77	0.94	0.87	0.91	1.02	0.94	1.00	1.02	1.10	0.98
16	0.72	0.73	0.58	0.84	0.83	0.76	0.65	0.46	0.50	0.60	0.69	0.74
17	0.42	0.42	0.44	0.55	0.44	0.46	0.48	0.73	0.94	0.92	0.88	0.74
18	0.58	0.56	0.78	0.93	0.58	0.72	0.64	0.76	0.92	0.95	1.02	0.98
19	1.40	1.45	1.50	1.38	1.25	0.83	0.89	0.81	0.92	0.90	1.04	1.12
20	1.11	1.14	1.00	0.84	0.84	0.91	0.71	0.55	0.53	0.50	0.46	0.52
21	0.77	1.04	0.98	0.98	0.89	1.04	0.94	0.92	1.01	0.94	0.93	0.98
22	0.92	1.28	1.40	1.18	1.11	0.94	0.85	0.59	0.75	0.56	0.64	1.01
23	0.53	0.51	0.46	0.44	0.37	0.34	0.34	0.27	0.60	0.66	0.70	0.80
24	0.64	0.92	0.96	0.88	0.80	0.75	0.59	0.66	0.98	0.94	0.91	0.96
25	0.46	0.73	1.06	1.12	1.02	1.00	0.82	0.84	1.09	1.07	0.82	1.00
26	0.69	0.73	0.55	0.70	0.70	0.72	0.65	0.91	0.87	0.90	0.78	1.08
27	0.91	0.80	0.96	0.94	0.98	0.77	0.64	0.70	0.82	0.83	1.68	0.71
28	0.56	0.62	0.91	1.02	0.70	0.52	0.50	0.44	0.52	0.66	0.66	0.62
29												
30												
31												
Promedio	0.72	0.84	0.83	0.84	0.81	0.77	0.74	0.69	0.78	0.78	0.82	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
0.73	0.76	0.88	1.14	1.14	1.05	1.11	1.08	1.08	0.86	0.35	-	0.96
0.62	0.56	0.56	0.60	0.50	0.61	0.71	0.76	0.53	0.39	0.44	0.48	0.59
0.77	0.82	0.90	0.92	0.79	0.76	0.72	0.52	0.43	0.38	0.47	0.91	0.77
1.02	0.96	1.10	0.94	0.79	0.76	0.88	0.57	0.46	0.52	0.67	0.92	0.87
1.00	1.00	0.82	0.82	1.02	1.06	0.84	0.80	1.32	0.74	1.28	0.36	0.95
0.70	0.80	0.51	0.64	0.85	0.98	0.96	0.68	0.73	0.54	0.44	0.18	0.79
0.55	0.45	0.65	0.88	0.94	0.92	0.86	0.55	0.50	0.45	0.50	0.65	0.72
0.78	0.55	0.55	0.50	0.50	0.47	0.50	0.61	0.56	0.68	0.69	0.69	0.67
1.15	1.04	1.00	0.96	0.80	0.69	0.72	0.70	0.59	0.59	0.53	0.46	0.76
0.58	0.58	0.63	0.54	0.56	0.63	0.56	0.50	0.45	0.45	0.46	0.48	0.57
0.66	0.66	0.64	0.68	0.76	0.92	0.85	0.84	0.47	0.52	0.55	0.59	0.63
0.52	0.53	0.58	0.74	0.69	0.60	0.53	0.50	0.72	0.54	0.45	0.43	0.72
0.74	0.69	0.69	0.65	0.62	0.76	0.86	0.68	0.35	0.55	0.53	0.52	0.74
0.70	0.65	0.77	0.66	0.72	0.72	0.76	0.59	0.42	0.47	0.58	0.69	0.72
0.90	1.00	0.92	0.85	0.86	0.72	0.82	0.55	0.74	0.90	0.72	0.74	0.92
0.79	0.76	0.90	0.59	0.53	0.50	0.45	0.46	0.47	0.72	0.60	0.61	0.71
0.78	0.74	0.65	0.64	0.70	0.86	0.94	0.56	0.48	0.56	0.31	0.40	0.70
0.90	0.79	0.86	0.76	0.95	0.86	0.82	0.56	0.44	0.45	0.63	1.24	0.81
0.95	0.94	0.84	0.87	0.94	0.98	0.93	0.72	0.51	0.51	0.77	0.72	0.96
0.61	0.82	0.94	0.98	0.91	0.78	0.70	0.72	0.70	0.76	0.68	0.44	0.77
0.79	0.76	0.77	0.72	0.71	0.69	0.88	0.66	0.63	0.77	0.78	0.76	0.85
1.56	0.62	1.13	-	-	-	-	-	0.61	0.59	0.65	0.59	0.89
0.84	0.78	0.82	0.85	0.88	0.66	0.45	0.50	0.46	0.35	0.35	0.57	0.64
1.14	1.25	1.26	1.22	1.24	1.14	0.96	0.72	0.56	0.55	0.50	0.50	0.94
0.94	0.77	1.15	1.26	1.06	0.97	0.72	0.66	0.87	0.88	0.78	0.87	0.98
1.04	1.08	1.10	1.08	1.14	1.10	0.80	0.80	0.80	0.99	1.03	1.02	0.96
0.86	0.56	0.54	0.86	0.74	0.76	-	-	-	-	0.70	0.52	0.84
0.78	0.76	0.51	0.44	0.47	0.55	0.57	0.58	0.71	0.65	0.94	0.68	0.71
0.84	0.77	0.81	0.81	0.81	0.80	0.76	0.65	0.61	0.60	0.62	0.63	0.79

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
0.69	0.69	0.90	1.02	0.95	1.06	1.09	1.02	1.20	0.74	0.38	-	0.89
0.53	0.46	0.53	0.60	0.48	0.60	0.66	0.68	0.44	0.34	0.38	0.42	0.54
0.73	0.82	0.84	0.88	0.79	0.74	0.60	0.46	0.37	0.37	0.48	0.82	0.72
1.00	0.96	1.05	0.94	0.74	0.80	0.74	0.53	0.44	0.44	0.62	0.92	0.82
0.98	1.00	0.88	0.87	1.09	0.92	0.80	0.37	0.48	0.96	0.66	1.02	0.98
0.69	0.59	0.53	0.62	0.82	0.77	0.76	0.43	0.49	0.46	0.50	0.72	0.79
0.48	0.46	0.73	0.80	0.93	0.90	0.70	0.44	0.44	0.39	0.50	0.58	0.72
0.71	0.46	0.48	0.39	0.48	0.44	0.40	0.53	0.46	0.51	0.62	0.60	0.60
1.06	0.98	1.02	0.84	0.70	0.67	0.66	0.58	0.46	0.46	0.42	0.42	0.65
0.62	0.62	0.64	0.52	0.55	0.60	0.44	0.37	0.37	0.37	0.40	0.42	0.50
0.64	0.62	0.64	0.64	0.76	0.90	0.80	0.71	0.40	0.40	0.40	0.51	0.56
0.51	0.55	0.64	0.78	0.68	0.55	0.48	0.46	0.64	0.44	0.39	0.32	0.62
0.66	0.66	0.64	0.62	0.64	0.64	0.73	0.53	0.42	0.38	0.42	0.44	0.68
0.72	0.67	0.74	0.62	0.74	0.74	0.72	0.55	0.33	0.40	0.48	0.53	0.65
1.05	0.98	0.92	0.85	0.77	0.67	0.82	0.46	0.85	0.81	0.55	0.70	0.87
0.72	0.74	0.76	0.58	0.50	0.48	0.42	0.44	0.44	0.44	0.58	0.53	0.61
0.69	0.64	0.55	0.64	0.73	0.80	0.82	0.48	0.46	0.46	0.27	0.37	0.60
0.89	0.79	0.78	0.76	0.95	0.87	0.68	0.44	0.41	0.41	0.70	1.18	0.76
1.02	0.98	0.88	0.90	0.93	0.87	0.73	0.52	0.40	0.55	0.70	0.73	0.94
0.66	0.86	1.04	1.01	0.91	0.72	0.64	0.70	0.66	0.69	0.66	0.38	0.75
0.90	0.80	0.77	0.70	0.66	0.69	0.80	0.53	0.58	0.73	0.76	0.68	0.83
1.34	2.26	2.67	-	-	-	-	-	0.58	0.51	0.53	0.44	1.02
0.72	0.69	0.72	0.72	0.72	0.53	0.40	0.39	0.39	0.32	0.32	0.44	0.52
1.11	1.13	1.06	0.94	1.08	1.01	0.66	0.55	0.44	0.46	0.37	0.40	0.80
0.88	0.88	1.26	1.11	1.00	0.82	0.58	0.60	0.73	0.64	0.55	0.69	0.86
1.02	1.08	1.00	1.05	1.10	0.78	0.62	0.62	0.59	0.86	0.86	0.94	0.82
0.53	0.46	0.68	0.68	0.69	0.64	-	-	-	-	0.54	0.41	0.77
0.73	0.62	0.44	0.39	0.42	0.50	0.48	0.58	0.62	0.60	0.84	0.58	0.60
0.80	0.80	0.85	0.76	0.77	0.73	0.66	0.54	0.52	0.52	0.53	0.60	0.73

IONES LIVIANOS POSITIVOS "n+" por cm³

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	260	478	521	521	521	521	521	608	695	782	782	782
2	347	347	434	521	608	608	707	608	608	608	521	521
3	260	390	260	347	347	347	260	260	521	521	434	434
4	-	-	-	-	-	-	-	-	86	260	434	608
5	86	217	217	174	174	174	174	260	434	521	434	434
6	-	-	-	-	-	-	-	-	-	-	-	260
7	260	260	260	174	260	347	347	347	347	434	347	260
8	347	521	521	434	434	347	434	521	608	521	434	260
9	434	347	347	260	260	260	260	347	434	521	608	707
10	260	260	260	260	347	434	434	347	434	303	260	260
11	260	260	174	174	260	174	260	347	-	565	217	174
12	434	477	608	521	521	521	868	521	868	782	707	434
13	347	347	347	521	707	782	707	955	955	868	707	565
14	347	347	347	303	347	347	608	521	608	782	608	521
15	782	434	434	521	434	434	608	707	707	707	707	608
16	347	521	521	707	521	521	521	347	260	260	434	415
17	260	260	260	260	260	347	434	478	478	521	521	521
18	478	434	521	782	608	434	434	521	707	782	782	608
19	868	868	868	782	707	608	521	434	521	521	608	608
20	521	521	434	434	347	347	347	260	260	174	260	347
21	434	434	304	347	260	304	260	260	347	260	174	174
22	260	526	477	521	526	434	608	521	608	608	-	955
23	347	347	434	347	260	260	347	608	868	782	707	707
24	521	707	707	707	608	608	521	521	707	707	707	707
25	347	707	782	868	745	707	707	782	782	782	955	955
26	608	434	434	434	434	608	521	608	782	782	608	608
27	521	608	608	608	608	521	521	521	707	521	348	521
28	521	868	868	707	391	347	434	347	608	608	608	376
29												
30												
31												
Promedio	402	458	460	471	442	436	476	483	575	573	535	512

IONES LIVIANOS NEGATIVOS "n-" por cm³

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	339	451	451	451	312	226	712	902	905	828	752
2	150	150	150	226	226	226	526	526	602	526	376	376
3	312	451	376	451	488	376	376	526	828	676	526	526
4	312	451	526	451	376	376	451	451	828	828	905	752
5	526	451	489	451	451	413	451	602	828	676	602	602
6	-	707	451	414	312	150	226	75	150	150	376	312
7	226	226	226	150	150	150	226	150	376	376	312	226
8	226	451	451	347	226	226	226	451	526	451	312	344
9	150	150	150	150	150	150	150	150	150	376	526	676
10	150	150	150	150	150	150	150	150	451	312	226	226
11	226	150	150	150	150	226	226	75	451	828	526	602
12	226	226	226	226	226	226	376	226	752	676	602	451
13	150	226	-	-	451	-	526	1052	1320	976	782	451
14	226	150	226	226	226	226	226	301	526	676	376	376
15	231	312	226	312	226	226	376	376	489	526	526	526
16	312	376	226	312	312	312	269	226	263	376	451	526
17	226	226	312	226	226	226	226	532	752	676	526	451
18	312	376	526	526	451	312	312	526	676	602	676	676
19	752	828	752	752	602	526	602	376	526	602	676	752
20	451	526	294	376	376	376	312	188	226	312	451	676
21	312	376	451	451	451	451	489	602	602	526	526	526
22	-	-	-	-	489	451	526	-	-	-	-	-
23	226	150	150	150	150	150	75	75	339	451	602	602
24	226	451	451	376	312	226	226	312	602	676	690	676
25	312	226	376	676	526	451	312	451	828	905	976	905
26	-	-	150	150	150	226	150	338	676	752	526	526
27	226	-	-	-	-	-	-	-	457	526	1052	526
28	312	188	451	526	676	376	339	376	226	376	451	376
29												
30												
31												
Promedio	280	332	336	347	333	278	318	378	569	583	570	534

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
608	565	608	521	434	608	707	608	608	521	434	347	565
434	347	304	260	260	260	260	260	260	174	174	260	404
434	521	434	434	434	434	347	-	-	-	-	-	390
608	608	521	521	521	434	347	-	-	-	-	86	420
434	434	260	347	434	434	347	434	738	-	-	-	341
260	174	86	86	174	217	298	347	260	347	260	260	233
174	260	434	521	434	521	434	260	174	174	347	434	325
707	347	347	260	260	347	347	347	347	347	347	347	406
868	782	782	707	608	608	521	434	347	347	347	260	475
260	347	347	347	347	347	260	260	260	260	174	174	302
86	174	260	260	434	707	521	347	303	260	347	434	304
347	434	608	782	782	602	521	347	347	347	260	260	537
521	434	434	434	707	707	521	303	347	347	260	260	545
434	434	434	347	347	434	347	260	260	260	347	347	414
608	608	608	608	521	391	347	347	347	347	434	347	525
707	707	707	608	521	521	521	434	347	347	347	260	475
521	434	347	347	521	608	434	260	174	260	347	260	380
565	608	608	521	608	434	521	390	260	260	478	782	547
434	347	347	434	521	608	347	434	347	260	347	347	529
434	434	521	521	521	521	347	347	347	347	304	260	382
260	260	260	260	347	347	390	260	347	174	260	260	291
822	-	-	608	521	260	260	174	174	347	347	347	472
608	608	608	608	608	434	260	260	260	174	260	434	464
707	782	707	707	707	707	608	434	347	260	260	347	596
707	521	707	707	608	521	434	434	434	434	434	521	649
608	707	608	608	608	608	521	521	434	521	608	608	576
521	347	434	608	434	434	434	-	-	521	707	434	522
676	707	347	347	347	347	347	303	347	434	608	434	497
513	479	469	476	485	479	412	352	337	323	362	350	453

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
564	451	451	526	451	602	602	676	526	312	226	150	504
451	376	312	226	226	226	226	226	226	226	150	226	298
526	451	451	451	526	451	312	226	226	226	226	312	429
676	602	526	451	451	-	-	-	226	226	226	413	500
526	451	376	451	451	376	312	226	226	678	828	-	498
312	226	226	376	376	376	226	150	226	150	226	226	267
226	312	376	451	376	376	376	226	150	150	150	226	258
715	312	312	226	226	226	226	226	226	150	226	226	314
828	752	676	602	602	526	376	226	150	150	226	150	341
312	312	376	312	312	226	150	150	150	150	226	226	222
602	676	676	489	602	752	526	226	226	226	226	226	384
451	526	752	905	905	676	414	226	226	312	226	226	428
451	376	451	376	602	451	312	226	150	312	226	150	477
312	312	312	226	226	226	150	150	150	150	150	150	261
526	489	451	451	451	226	150	150	312	312	226	188	345
602	676	676	676	526	451	376	312	150	226	226	226	378
376	312	226	312	526	526	376	226	226	226	150	226	346
676	676	676	602	526	376	451	312	226	226	376	602	487
602	526	451	451	640	376	150	312	369	226	226	226	512
602	451	527	602	602	451	312	376	312	376	376	312	411
451	451	-	-	-	-	-	-	-	-	-	-	476
-	-	860	789	376	300	339	269	376	312	312	226	433
676	602	602	526	451	344	226	226	226	150	75	150	307
676	602	526	526	526	451	312	312	150	226	150	150	410
526	451	526	451	312	312	269	226	312	226	-	-	480
526	602	451	451	526	226	226	226	226	269	312	376	366
-	-	-	-	-	-	-	-	-	-	-	-	557
676	602	226	226	226	226	226	312	312	312	344	150	355
533	484	480	467	462	390	305	257	242	250	252	239	384

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	11690	4490	1795	1795	1795	1795	2690	2690	2690	1795	2690	2690
2	5380	4490	3585	1795	4490	1795	2690	6295	7180	6295	6295	6295
3	5380	9860	3585	2690	1795	2690	4490	2690	4490	6295	4490	5380
4	4490	2690	2690	2690	5380	5380	3585	4490	2690	2690	2690	2690
5	1795	3585	3585	3585	2690	2690	3585	3585	2690	2690	1795	1795
6	1795	2690	1795	1795	1795	4490	7180	7180	5380	4490	3585	2690
7	10770	8060	9860	8060	7180	7180	11690	8060	5380	3585	4490	10770
8	4490	1795	2690	2690	2690	4490	4490	4490	2690	3585	6295	6295
9	6295	8060	5380	4490	4490	7180	6295	5380	2690	1795	898	898
10	8950	8060	7180	6295	5380	4490	4490	9860	7180	11690	13430	15250
11	14350	13430	14350	15250	17050	16130	17050	13430	4490	4490	2690	4490
12	9860	6295	3585	2690	3585	6295	9860	8950	4490	7180	5380	9860
13	11690	10770	9860	8060	4490	3585	6295	4490	3585	6295	6295	6295
14	13430	12590	10770	10770	13430	15250	12590	9860	10770	6295	9860	8060
15	9860	6295	5380	5380	4490	5380	4490	3585	4490	3585	4490	3585
16	8060	8060	7180	8950	7180	9860	15250	20700	20350	-	7180	6295
17	10770	11690	12590	14350	17050	18870	20350	15250	6295	4490	5380	6295
18	-	8950	7180	7180	5380	7180	11690	7180	-	-	-	-
19	898	898	898	898	898	2690	4490	4490	2690	2690	1795	1795
20	3585	2690	4490	3585	3585	4490	7180	10770	11690	17950	14350	13430
21	5380	3585	2690	2690	2690	2690	4490	3585	2690	2690	2690	2690
22	3585	2690	1795	1795	2690	2690	2690	4490	4490	4490	11690	11690
23	4490	5380	5380	6295	9860	11690	9860	13430	6295	2690	4490	2690
24	4490	1795	898	1795	2690	2690	4490	2690	1795	1795	1795	1795
25	8060	3585	1795	1795	1795	2690	4490	3585	2690	2690	4490	2690
26	3585	4490	4490	2690	4490	4490	6295	4490	3585	2690	4490	1795
27	4490	2690	4490	3585	2690	4490	3585	4490	2690	4490	7180	2690
28	9860	1795	1795	1795	4490	6295	8060	13430	8060	5380	4490	6295
29												
30												
31												
Promedio	6944	5766	5063	4837	5222	6058	7300	7272	5340	4800	5385	5452

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	2690	2690	3585	2690	2690	4490	2690	2690	3585	3585	4490
2	5295	5380	3585	2690	2690	3585	4490	4490	8060	8060	8060	8060
3	5380	2690	3585	3585	2690	4490	4490	4490	6295	5380	6295	8060
4	5380	3585	3585	4490	5330	5380	3585	4490	3585	4490	4490	2690
5	2690	4490	2690	4490	3585	5380	4490	4490	3585	3585	2690	2690
6	6295	2690	1795	2690	3585	7180	8950	8060	6295	5380	4490	3585
7	12590	10770	10770	9860	8060	15250	14350	8060	5380	4490	8060	14350
8	5380	2690	2690	4490	3585	6295	6295	4490	4490	4490	7180	8060
9	8060	6295	6295	5380	6295	8060	8060	5380	4490	2690	2690	2690
10	9860	9860	8060	8060	5380	5380	6295	9860	9860	15250	15250	17050
11	17050	15250	16130	17050	18870	20350	16130	9860	18870	7180	12590	11690
12	9860	7180	4490	4490	4490	7180	10770	7180	5380	6295	6295	13430
13	11690	11690	11690	6295	4490	5380	5380	4490	4490	8060	7180	9860
14	15250	12590	12590	13430	15250	17950	15250	10770	8950	7180	9860	9860
15	7180	6295	6295	5380	5380	4490	5380	4490	4490	4490	4490	4490
16	6295	7180	8060	8060	8060	12590	16130	16130	15250	8950	8060	6295
17	11690	13430	17050	17050	20350	20350	22400	6295	6295	4490	8060	8060
18	-	16130	-	10770	11690	-	-	-	-	-	-	-
19	4490	3585	3585	4490	4490	4490	5380	6295	4490	4490	3585	2690
20	4490	5380	5380	5380	6295	4490	11690	11690	13430	-	15250	11690
21	5380	4490	2690	4490	4490	4490	4490	4490	4490	4490	5380	4490
22	4490	2690	2690	2690	2690	4490	3585	6295	7180	8060	8060	13430
23	5380	6295	5380	9860	11690	12590	12590	16130	3585	2690	4490	3585
24	4490	2690	2690	2690	2690	4490	4490	3585	2690	2690	2690	2690
25	8060	3585	2690	2690	2690	3585	4490	4490	2690	2690	4490	4490
26	4490	5380	6295	4490	6295	5380	7180	4490	4490	6295	10770	2690
27	6295	4490	4490	4490	4490	6295	8060	6295	3585	6295	4490	3585
28	5380	2690	2690	2690	5380	9860	9860	11690	5380	5380	4490	9860
29												
30												
31												
Promedio	7546	6506	5949	6279	6561	7857	8472	7080	6314	5659	6778	7208

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	6295	2690	2690	1795	1795	1795	1795	1795	2690	4490	4490	3142
6295	8060	10770	15250	13430	11690	10770	9860	12590	13430	10770	8060	7815
6295	5380	4490	3585	5380	6295	7180	9860	13430	14350	13430	3585	6129
1795	1795	1795	2690	5380	5380	6295	8950	11690	10770	9860	5380	4747
1795	1795	2690	1795	1795	4490	5380	5380	2690	3585	4490	1795	2990
4490	3585	8060	4490	3585	2690	2690	3585	7180	9860	9860	11690	4860
13430	10770	4490	3585	3585	2690	4490	9860	11690	11690	11690	4490	7814
4490	8950	9860	12590	12590	15250	14350	14350	10770	8950	8060	8950	7328
898	1795	1795	3585	5380	6295	4490	5380	7180	6295	8950	8060	4748
13430	13430	12590	12590	11690	9860	12590	10770	9860	11690	11690	13430	10245
8060	8060	15250	11690	6295	3585	4490	8950	10770	12590	12590	9860	10390
12590	11690	9860	5380	5380	8950	9860	13430	17950	16130	16130	12590	9082
8950	9860	8950	8060	6295	6295	8950	10770	18870	24200	17950	17050	9496
8060	8060	8060	7180	7180	6295	8060	10770	12590	17050	9860	9860	10279
3585	8060	4490	4490	5380	9860	11690	15250	9860	6295	7180	9860	6542
4490	4490	2690	8060	10770	8950	11690	13430	15250	12590	15250	10770	10326
8060	9860	10770	15250	10770	9860	8950	10770	14350	-	-	-	11525
-	-	-	3585	898	4490	3585	8060	12590	10770	7180	898	6675
898	1795	2690	1795	2690	2690	9860	17050	18870	15250	8060	8060	4785
8060	7180	4490	5380	5380	6295	9860	6295	8060	5380	4490	6295	7290
2690	2690	2690	3585	4490	5380	6295	9860	8950	4490	4490	4490	4111
35000	17050	8060	2690	1795	3585	2690	8060	9860	8950	6295	6295	6880
4490	4490	3585	2690	3585	5380	9860	13430	15250	17050	14350	6295	7625
1795	898	898	2690	898	1795	2690	7180	8950	9860	8950	8060	3474
3585	8060	2690	1795	2690	4490	6295	8060	6295	4490	5380	5380	4148
2690	2690	4490	2690	898	3585	6295	6295	5380	4490	3585	2690	3890
4490	13430	11690	4490	7180	6295	5380	4490	-	-	8950	8950	5586
7180	6295	12590	14350	13430	8060	8060	8060	5380	6295	3585	7180	7175
6744	6908	6414	6025	5736	6153	7307	9286	10670	10353	9169	7574	6731

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
8060	6295	4490	4490	2690	2690	2690	2690	2690	4490	5380	6295	4112
8060	11690	15250	17050	14350	12590	11690	11690	15250	13430	9860	8950	8971
5380	6295	4490	6295	6295	6295	8060	11690	17950	17950	11690	4490	6846
4490	3585	2690	3585	4490	7180	7180	13430	12590	12590	7180	3585	5571
2690	2690	4490	2690	3585	6295	5380	8950	8060	4490	8060	3585	4409
4490	7180	8060	5380	4490	3585	3585	7180	10770	9860	12590	13430	6316
17050	8060	5380	4490	4490	4490	6295	14350	13430	13430	7180	5380	9417
8060	9860	11690	14350	17050	17950	16130	15250	11690	9860	9860	9860	8823
2690	2690	3585	6295	7180	8950	5380	6295	8060	11690	9860	11690	6281
15250	14350	12590	14350	11690	12590	13430	11690	11690	13430	13430	15250	11663
11690	12590	12590	9860	7180	5380	6295	15250	15250	15250	13430	13430	13301
12590	11690	7180	5380	8060	8950	13430	15250	20700	18870	15250	13430	9909
11690	10770	9860	8060	6295	6295	9860	17050	20350	22400	20700	17950	10499
9860	8060	8060	8060	8060	7180	10770	13430	14350	17050	9860	10770	11435
4490	3585	4490	4490	5380	11690	17050	14350	7180	8060	8060	8950	6693
5380	4490	8060	9860	20700	11690	13430	13430	17050	13430	12590	11690	10952
9860	11690	13430	15250	8060	8950	12590	12590	12590	-	-	-	12406
-	-	-	9860	6295	9860	9860	15250	17050	13430	7180	4490	10988
2690	3585	4490	2690	3585	4490	10770	21520	20350	14350	9860	8060	6604
8060	6295	8060	5380	6295	8060	9860	7180	8060	6295	5380	6295	7843
4490	4490	4490	4490	6295	6295	11690	9860	8950	5380	5380	5380	5460
15250	8060	6295	2690	3585	3585	8060	10770	11690	9860	8060	6295	6690
4490	5380	4490	4490	4490	9860	11690	14350	17050	16130	13430	7180	8637
1795	1795	2690	1795	1795	2690	4490	8060	12590	11690	8950	9860	4449
8060	6295	2690	2690	4490	5380	7180	8060	7180	6295	8060	6295	4971
4490	3585	4490	2690	2690	5380	7180	6295	6295	-	4490	4490	5231
10770	16130	15250	9860	7180	13430	27800	-	-	30580	10770	10770	9791
6295	8060	15250	17950	12590	9860	11690	6295	7180	6295	4490	8060	7890
7710	7379	7577	7304	7119	7916	10125	11563	12446	12561	9668	8737	8003

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	- 1.6	1.5	3.0	- 1.6	- 1.6	- 1.6	- 4.8	- 6.4	- 1.6	3.0	3.0	1.5	- 1.6
2	1.5	4.5	3.0	4.5	4.5	- 1.6	- 3.2	- 3.2	- 4.5	7.6	7.6	9.1	- 4.8
3	4.5	6.0	4.5	3.0	1.5	1.5	-25.4	- 9.5	- 1.6	3.0	1.5	4.5	7.6
4	- 1.6	1.5	- 1.6	1.5	3.0	- 3.2	- 8.0	- 8.0	- 6.4	4.5	3.0	4.5	4.5
5	1.5	1.5	3.0	1.5	3.0	- 3.2	- 3.2	- 8.0	- 1.6	3.0	4.5	9.1	10.6
6	18.1	15.1	10.6	9.1	10.6	1.5	- 1.6	- 1.6	3.0	7.6	3.0	9.1	9.1
7	-	-	-	-	-	-	-	- 4.8	3.0	4.5	6.0	9.1	9.1
8	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	12.1	9.1	13.6	9.1
10	10.6	12.1	9.1	9.1	12.1	6.0	-	- 1.6	7.6	10.6	4.5	21.2	13.6
11	13.6	13.6	13.6	7.6	15.1	9.1	6.0	4.5	6.0	13.6	13.6	19.7	16.6
12	9.1	10.6	9.1	10.6	10.6	7.6	6.0	3.0	4.5	9.1	9.1	16.6	18.1
13	7.6	12.1	9.1	10.6	12.1	6.0	4.5	-	-	-	-	-	12.1
14	9.1	12.1	7.6	7.6	13.6	7.6	4.5	- 3.2	1.5	10.6	12.1	18.1	7.6
15	9.1	10.6	7.6	7.6	6.0	6.0	9.1	4.5	6.0	12.1	13.6	12.1	13.6
16	7.6	7.6	6.0	6.0	6.0	10.6	4.5	1.5	6.0	7.6	9.1	12.1	9.1
17	9.1	10.6	7.6	3.0	4.5	7.6	7.6	4.5	7.6	12.1	9.1	12.1	10.6
18	7.6	10.6	9.1	9.1	9.1	6.0	4.5	3.0	9.1	10.6	9.1	15.1	12.1
19	9.1	7.6	9.1	7.6	10.6	7.6	3.0	1.5	6.0	9.1	12.1	15.1	18.1
20	13.6	10.6	12.1	12.1	13.6	10.6	7.6	6.0	12.1	15.1	12.1	13.6	13.6
21	9.1	12.1	12.1	9.1	10.6	10.6	7.6	6.0	9.1	15.1	18.1	18.1	12.1
22	15.1	15.1	13.6	12.1	10.6	9.1	15.1	7.6	10.6	16.6	22.7	25.6	16.6
23	16.6	16.6	12.1	9.1	16.6	9.1	3.0	1.5	6.0	6.0	1.5	3.0	4.5
24	9.1	7.6	3.0	10.6	6.0	- 3.2	1.5	- 1.6	1.5	9.1	9.1	12.1	7.6
25	3.0	6.0	1.5	3.0	3.0	- 1.6	- 3.2	- 6.4	- 1.6	- 3.2	4.5	4.5	6.0
26	1.5	3.0	1.5	1.5	- 4.8	- 6.4	- 4.8	- 8.0	- 6.4	4.5	3.0	4.5	- 1.6
27	4.5	4.5	1.5	3.0	4.5	- 4.8	1.5	- 8.0	- 4.8	1.5	3.0	6.0	6.0
28	-39.8	- 3.2	4.5	3.0	1.5	- 1.6	- 6.4	- 6.4	- 1.6	4.5	6.0	7.6	3.0
29													
30													
31													
Prom	5.9	8.4	7.0	6.4	7.3	3.6	1.1	- 1.3	2.8	8.1	8.1	11.4	9.0
Var.	0.8	3.3	1.9	1.3	2.2	- 1.5	- 4.0	- 6.4	- 2.3	3.0	3.0	6.3	3.9

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	-31.2	-34.1	-38.3	-39.8	-38.3	-35.5	-35.5	-35.5	-39.8	-38.5	-39.8	-39.8	-35.5
2	-42.6	-49.7	-41.2	-54.0	-48.3	-48.3	-45.4	-44.0	-46.9	-44.0	-46.9	-48.3	-49.7
3	-41.2	-44.0	-42.6	-46.9	-46.9	-49.7	-68.2	-45.4	-39.8	-39.8	-39.8	-39.8	-36.9
4	-29.8	-36.9	-34.1	-41.2	-41.2	-39.8	-35.5	-31.2	-36.9	-29.8	-36.9	-34.1	-35.5
5	-31.2	-39.8	-31.2	-45.4	-39.8	-34.1	-32.7	-31.2	-29.8	-27.0	-29.8	-38.3	-34.1
6	-27.0	-34.1	-31.2	-38.3	-39.8	-35.5	-38.3	-34.1	-32.7	-34.1	-35.5	-35.5	-38.3
7	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-21.3	-25.6	-24.1	-25.6
10	-19.9	-27.0	-22.7	-29.8	-27.0	-31.2	-	-21.3	-28.4	-24.1	-29.8	-22.7	-25.6
11	-18.5	-21.3	-17.0	-29.8	-24.1	-28.4	-24.1	-22.7	-25.6	-24.1	-25.6	-21.3	-22.7
12	-19.9	-25.6	-19.9	-29.8	-24.1	-27.0	-25.6	-24.1	-21.3	-19.9	-17.0	-21.3	-25.6
13	-15.6	-25.6	-21.3	-29.8	-29.8	-25.6	-19.9	-	-	-	-	-	-24.1
14	-17.0	-27.0	-17.0	-31.2	-22.7	-24.1	-19.9	-17.0	-22.7	-28.4	-25.6	-25.6	-25.6
15	-19.9	-25.6	-27.0	-29.8	-28.4	-27.0	-24.1	-19.9	-24.1	-24.1	-29.8	-28.4	-24.1
16	-19.9	-19.9	-22.7	-29.8	-29.8	-21.3	-19.9	-19.9	-18.5	-19.9	-25.6	-24.1	-25.6
17	-21.3	-25.6	-22.7	-29.8	-25.6	-25.6	-21.3	-21.3	-19.9	-22.7	-25.6	-27.0	-25.6
18	-17.0	-21.3	-19.9	-27.0	-25.6	-34.1	-34.1	-18.5	-22.7	-22.7	-25.6	-19.9	-21.3
19	-18.5	-27.0	-17.0	-25.6	-25.6	-27.0	-28.4	-21.3	-19.9	-18.5	-24.1	-21.3	-24.1
20	-18.5	-25.6	-18.5	-25.6	-25.6	-22.7	-21.3	-19.9	-17.0	-15.6	-19.9	-18.5	-18.5
21	-17.0	-22.7	-19.9	-25.6	-25.6	-25.6	-22.7	-19.9	-19.9	-18.5	-24.1	-22.7	-22.7
22	-15.6	-21.3	-18.5	-24.1	-22.7	-19.9	-19.9	-11.4	- 8.5	-11.4	-21.3	-15.6	-17.0
23	-21.3	-25.6	-24.1	-29.8	-31.2	-29.8	-29.8	-28.4	-29.8	-32.7	-31.2	-28.4	-29.8
24	-24.1	-32.7	-28.4	-39.8	-29.8	-38.3	-32.7	-29.8	-34.1	-34.1	-36.9	-31.2	-31.2
25	-29.8	-32.7	-29.8	-35.5	-34.1	-32.7	-32.7	-29.8	-29.8	-28.4	-34.1	-32.7	-31.2
26	-28.4	-29.8	-28.4	-35.5	-29.8	-29.8	-29.8	-25.6	-28.4	-25.6	-31.2	-29.8	-28.3
27	-	-	-	-	-	-	-	-	-25.6	-25.6	-25.6	-25.6	-21.3
28	-63.9	-34.1	-27.0	-34.1	-28.4	-24.1	-24.1	-27.0	-22.7	-22.7	-25.6	-27.0	-28.4
29													
30													
31													
Prom	-25.4	-29.5	-25.8	-33.7	-31.0	-30.3	-29.4	-26.0	-26.9	-26.1	-29.3	-28.1	-28.0
Var.	3.2	- 0.9	2.8	- 5.1	- 2.4	- 1.7	- 0.8	2.6	1.7	2.5	- 0.7	0.5	0.6

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
- 3.2	1.5	- 1.6	- 3.2	- 4.8	- 3.2	3.0	1.5	1.5	4.5	4.5	- 4.7	1
4.5	1.5	1.5	- 3.2	- 4.5	- 3.2	1.5	1.5	1.5	1.5	4.5	13.4	2
4.5	4.5	7.6	- 1.6	- 3.2	- 4.5	- 3.2	1.5	4.5	3.0	3.0	7.2	1
7.6	- 1.6	- 1.6	- 6.4	- 4.8	- 1.6	- 1.6	- 1.6	4.5	3.0	3.0	- 3.1	0
10.6	3.0	- 1.6	- 3.2	- 4.8	- 4.8	- 4.8	- 3.2	3.0	7.6	19.7	18.0	1
10.6	3.0	- 1.6	- 6.4	- 3.2	- 1.6	- 1.6	- 4.8	-	-	-	41.9	1
9.1	9.1	-	-	-	-	-	-	-	-	-	56.4	0
-	-	-	-	-	-	-	-	-	-	-	-	-
13.6	12.1	9.1	3.0	- 4.8	- 3.2	6.0	7.6	12.1	12.1	12.1	82.4	1
12.1	9.1	3.0	- 3.2	4.5	9.1	9.1	7.6	9.1	10.6	13.6	86.7	2
12.1	7.6	9.1	4.5	7.6	7.6	7.6	7.6	10.6	9.1	9.1	102.1	0
21.2	13.6	9.1	6.0	4.5	6.0	4.5	4.5	10.6	9.1	9.1	92.6	0
13.6	9.1	7.6	6.0	3.0	4.5	9.1	6.0	7.6	9.1	12.1	85.2	1
9.1	4.5	- 4.8	3.0	3.0	3.0	7.6	3.0	4.5	3.0	7.6	63.4	1
10.6	3.0	1.5	1.5	4.5	4.5	1.5	- 3.2	4.5	9.1	10.6	69.2	1
4.5	3.0	6.0	4.5	4.5	6.0	7.6	6.0	9.1	7.6	7.6	66.7	1
10.6	10.6	4.5	4.5	4.5	3.0	3.0	9.1	6.0	9.1	9.1	75.0	0
13.6	13.6	7.6	4.5	7.6	4.5	7.6	10.6	16.6	10.6	7.6	91.4	1
15.1	13.6	10.6	6.0	7.6	12.1	10.6	12.1	10.6	12.1	15.1	100.8	0
15.1	10.6	9.1	3.0	4.5	9.1	9.1	7.6	6.0	9.1	10.6	102.7	1
15.1	9.1	6.0	3.0	1.5	6.0	7.6	12.1	15.1	12.1	15.1	105.2	2
18.1	12.1	- 9.1	-14.3	-18.1	- 4.8	- 3.2	13.6	6.0	9.1	9.1	86.9	2
10.6	3.0	- 1.6	3.0	4.5	3.0	- 1.6	12.1	3.0	3.0	9.1	64.0	2
6.0	- 3.2	- 1.6	- 8.0	- 1.6	- 6.4	4.5	- 4.8	13.6	6.0	6.0	34.5	2
1.5	- 6.4	- 8.0	-11.1	- 8.0	- 6.4	- 1.6	- 4.8	- 3.2	- 1.6	6.0	-11.7	1
- 1.6	- 9.5	- 8.0	-11.1	- 3.2	- 4.8	- 9.5	3.0	3.0	4.5	3.0	-19.4	2
6.0	- 1.6	1.5	- 3.2	- 9.5	-11.1	- 6.4	4.5	6.0	4.5	6.0	6.3	1
3.0	- 1.6	- 3.2	- 4.8	- 6.4	- 6.4	3.0	- 1.6	4.5	3.0	3.0	-15.2	2
9.4	4.9	2.0	- 1.0	- 0.6	0.6	2.7	4.1	6.8	6.8	8.5	5.1	
4.3	- 0.2	- 3.1	- 6.1	- 5.7	- 4.5	- 2.4	- 1.0	1.7	1.7	3.4		

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
-36.9	-36.9	-36.9	-38.3	-38.3	-49.7	-48.3	-49.7	-46.9	-46.9	-41.2	-39.6	1
-45.4	-44.0	-44.0	-49.7	-48.3	-49.7	-51.1	-48.3	-45.4	-45.4	-44.0	-46.8	1
-38.3	-36.9	-38.3	-38.3	-38.3	-41.2	-42.6	-38.3	-39.8	-32.7	-28.4	-41.4	2
-38.3	-34.1	-32.7	-35.5	-36.9	-36.9	-39.8	-35.5	-34.1	-35.5	-28.4	-35.4	0
-34.1	-29.8	-32.7	-31.2	-32.7	-35.5	-38.3	-32.7	-32.7	-28.4	-25.6	-33.2	1
-34.1	-34.1	-36.9	-32.7	-32.7	-32.7	-38.3	-36.9	-	-	-	-34.9	2
-	-	-	-	-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	-	-	-	-	-
-28.4	-29.8	-29.8	-29.8	-31.2	-31.2	-31.2	-29.8	-29.8	-28.4	-21.3	-27.8	1
-28.4	-24.1	-24.1	-24.1	-27.0	-27.0	-28.4	-25.6	-24.1	-22.7	-17.0	-25.3	1
-24.1	-18.5	-24.1	-25.6	-25.6	-29.8	-31.2	-28.4	-27.0	-27.0	-22.7	-24.6	1
-24.1	-24.1	-27.0	-27.0	-28.4	-28.4	-32.7	-29.8	-28.4	-22.7	-18.5	-24.7	2
-24.1	-19.9	-19.9	-25.6	-21.3	-28.4	-25.6	-25.6	-22.7	-24.1	-19.9	-23.6	2
-25.6	-24.1	-25.6	-25.6	-27.0	-29.8	-25.6	-28.4	-31.2	-29.8	-22.7	-25.0	1
-22.7	-25.6	-27.0	-22.7	-28.4	-34.1	-28.4	-31.2	-25.6	-27.0	-17.0	-25.9	2
-32.7	-25.6	-25.6	-34.1	-28.4	-32.7	-32.7	-31.2	-27.0	-27.0	-24.1	-25.8	2
-22.7	-22.7	-21.3	-21.3	-27.0	-29.8	-29.8	-25.6	-25.6	-24.1	-19.9	-24.3	2
-21.3	-19.9	-22.7	-22.7	-25.6	-25.6	-28.4	-24.1	-21.3	-19.9	-21.3	-22.6	1
-24.1	-18.1	-19.9	-19.9	-19.9	-22.7	-24.1	-19.9	-21.3	-19.9	-19.9	-22.0	1
-18.5	-17.0	-18.5	-21.3	-25.6	-24.1	-21.3	-17.0	-19.9	-19.9	-19.9	-20.4	1
-19.9	-17.0	-21.3	-22.7	-24.1	-21.3	-21.3	-19.9	-19.9	-19.9	-18.5	-21.3	1
-17.0	-17.0	-21.3	-19.9	-21.3	-27.0	-25.6	-29.8	-29.8	-28.4	-21.3	-20.2	2
-31.2	-27.0	-29.8	-29.8	-34.1	-34.1	-31.2	-34.1	-28.4	-31.2	-27.0	-29.6	1
-32.7	-28.4	-31.2	-28.4	-29.8	-31.2	-39.8	-32.7	-31.2	-31.2	-28.4	-32.0	1
-29.8	-29.8	-31.2	-38.3	-36.9	-34.1	-32.7	-27.0	-32.7	-29.8	-28.4	-29.2	1
-31.2	-27.0	-28.4	-29.8	-28.4	-	-	-29.8	-28.4	-	-	-29.2	1
-22.7	-24.1	-25.6	-25.6	-24.1	-27.0	-29.8	-28.4	-22.7	-22.7	-19.9	-24.8	1
-28.4	-24.1	-27.0	-29.8	-31.2	-28.4	-31.2	-28.4	-27.0	-28.4	-24.1	-29.0	2
-28.3	-26.1	-27.8	-28.8	-29.7	-31.7	-32.4	-30.3	-28.9	-28.0	-24.1	-28.6	
0.3	2.5	0.8	- 0.2	- 1.1	- 3.1	- 3.8	- 1.7	- 0.3	0.6	4.5		

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	56.8	56.4	56.5	56.5	56.7	57.6	58.1	58.0	58.0	57.8	57.5	57.3	57.4	57.3	57.3
2	61.6	61.9	61.9	62.4	62.7	63.3	63.6	63.7	63.6	63.3	63.1	62.8	62.6	62.3	62.1
3	62.1	62.1	62.0	61.8	61.9	61.9	62.2	62.2	61.8	61.7	61.6	61.0	60.7	60.5	60.0
4	60.0	59.2	59.2	59.3	59.8	60.0	60.5	59.8	59.9	59.9	59.4	59.3	59.2	58.6	57.9
5	57.2	57.2	57.0	57.0	57.0	57.3	57.6	57.6	57.4	57.0	56.9	56.1	55.8	55.0	54.0
6	54.8	52.0	52.5	53.5	53.9	54.6	55.1	55.4	55.2	55.2	55.2	54.8	54.7	54.4	54.2
7	54.6	54.6	54.6	54.7	55.1	55.6	55.9	55.9	55.8	55.7	55.4	55.3	55.2	54.5	54.3
8	54.7	54.9	54.3	54.7	55.0	55.0	55.7	55.6	55.4	55.9	55.8	55.8	55.7	55.6	55.4
9	57.4	57.5	57.4	57.3	57.8	58.5	59.3	60.0	60.4	60.6	60.6	60.8	60.9	60.8	60.5
10	63.2	63.4	63.4	63.4	63.6	63.9	64.3	64.8	64.4	64.4	64.4	64.1	64.2	64.1	63.8
11	64.1	64.1	63.9	63.8	63.8	64.0	64.2	64.3	64.2	64.1	63.7	63.6	63.0	62.8	62.3
12	62.8	62.6	62.6	62.6	62.6	62.9	63.0	63.4	63.3	63.2	62.9	62.7	62.8	61.9	61.8
13	61.7	61.3	61.2	61.1	61.4	61.6	61.8	61.9	61.9	61.8	61.6	61.5	61.2	60.8	60.6
14	60.3	60.0	59.9	59.9	60.4	60.5	60.8	60.9	60.9	60.8	60.7	60.3	60.0	59.6	59.4
15	59.6	59.6	59.3	59.5	59.6	59.9	60.3	60.4	60.4	60.4	60.2	60.3	60.1	59.6	59.3
16	59.3	59.3	59.3	59.6	60.0	60.4	60.6	61.2	61.2	61.2	61.1	60.6	60.6	60.4	59.8
17	59.5	59.4	59.3	59.3	59.2	59.4	59.6	59.7	59.6	59.6	59.4	59.0	58.5	57.8	57.3
18	55.8	55.7	55.4	55.3	55.4	55.6	55.7	55.8	55.6	55.5	55.2	54.5	54.0	53.4	52.9
19	52.8	52.6	52.5	52.6	52.7	53.0	53.1	53.2	53.3	53.2	53.0	52.4	52.1	51.6	51.2
20	51.7	51.8	52.1	53.5	54.1	54.5	55.1	55.6	55.7	55.4	55.2	55.0	54.7	54.2	53.8
21	54.0	53.7	53.4	53.1	53.4	53.8	53.9	54.2	54.1	54.3	54.0	53.5	53.3	52.8	52.5
22	53.8	53.6	54.4	54.1	55.1	55.9	56.2	57.6	57.3	58.5	58.6	58.3	57.3	57.7	57.3
23	59.7	59.6	59.4	59.3	59.2	59.7	59.9	60.1	60.3	60.3	60.4	60.0	60.0	58.8	58.6
24	58.0	57.7	57.8	57.8	57.8	57.9	58.0	58.2	58.2	58.3	58.0	57.2	56.7	56.2	55.8
25	54.6	54.6	54.6	54.6	54.6	55.2	55.7	55.9	55.9	55.7	55.3	54.9	54.7	54.2	53.8
26	54.5	54.5	54.6	54.8	55.4	55.9	56.3	56.6	56.6	56.6	56.4	56.0	56.0	55.6	55.2
27	54.0	53.7	53.4	53.2	54.0	53.2	53.4	53.5	54.0	54.2	54.5	54.4	54.3	53.8	53.1
28	52.9	52.8	52.7	52.5	53.1	54.5	54.2	53.8	53.2	52.6	52.5	52.2	51.9	50.9	50.2
29															
30															
31															
Prom	57.6	57.4	57.3	57.4	57.7	58.0	58.4	58.5	58.5	58.5	58.3	58.0	57.8	57.3	56.9

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	16.1	16.4	16.4	16.0	15.6	15.7	16.3	19.1	20.7	22.3	23.7	24.6	25.5	26.3	26.8
2	14.0	13.8	13.0	12.2	11.6	11.1	14.2	16.1	17.7	19.4	20.4	21.4	21.8	22.5	22.7
3	15.6	15.3	15.1	15.0	14.7	14.8	16.4	17.5	19.1	20.8	21.9	23.5	23.9	24.7	25.3
4	19.0	18.5	17.8	17.1	17.0	18.1	18.5	19.5	21.0	22.9	25.3	25.7	28.6	29.3	29.4
5	20.5	19.8	20.0	19.9	19.3	19.4	21.0	24.2	26.2	28.5	29.9	31.1	31.8	31.7	32.0
6	19.6	19.7	20.3	20.1	19.8	19.8	20.4	21.9	23.1	24.6	26.4	27.5	27.9	27.2	27.7
7	18.5	18.0	17.5	17.4	16.9	16.8	19.6	23.5	25.3	27.2	27.5	29.1	28.1	28.9	28.5
8	22.0	22.0	22.1	22.1	21.7	21.8	22.2	23.3	23.5	23.7	23.9	21.7	24.6	25.6	25.8
9	18.7	18.9	18.6	18.5	17.8	18.1	18.9	20.0	21.3	22.3	23.3	23.8	24.4	24.8	25.1
10	17.2	16.6	16.6	15.7	15.2	15.1	17.7	20.1	21.9	23.1	23.9	24.1	24.4	24.2	23.1
11	16.1	16.0	15.8	15.2	14.6	14.0	16.7	21.2	22.4	24.1	25.0	25.5	24.9	25.6	26.0
12	16.5	16.3	15.8	15.4	14.0	13.3	16.8	20.5	22.6	24.5	25.6	25.7	26.0	26.4	25.9
13	14.9	14.6	13.8	14.6	14.7	14.6	17.4	20.0	22.5	24.3	26.3	26.7	27.1	27.4	27.0
14	15.0	14.6	14.4	13.6	13.1	13.1	17.0	20.8	23.4	25.9	27.4	28.3	29.0	29.4	29.6
15	17.5	17.4	17.4	17.0	16.5	16.4	19.4	23.9	26.7	28.0	29.4	30.2	31.0	31.0	31.6
16	20.9	18.4	17.2	16.1	15.1	14.8	18.4	22.3	26.7	29.1	29.9	30.5	31.4	31.6	31.5
17	19.1	16.6	15.4	14.8	14.5	14.1	19.3	23.5	25.3	26.7	28.2	29.5	30.1	30.9	30.9
18	21.3	20.6	20.4	20.1	19.5	19.5	21.5	23.1	25.1	26.6	28.1	29.2	29.7	30.5	30.9
19	21.3	20.8	20.4	19.5	18.7	18.3	20.8	24.2	27.1	30.1	32.1	33.2	33.7	34.4	34.4
20	22.6	22.1	21.8	21.7	22.5	21.8	22.9	24.8	26.1	28.9	29.2	28.9	30.0	31.7	32.3
21	25.0	24.5	23.2	22.4	21.5	21.0	23.6	26.3	29.5	31.3	33.3	34.4	35.4	36.0	36.0
22	25.2	23.5	22.7	22.8	22.7	23.1	23.0	22.5	22.0	21.8	20.9	20.8	20.9	21.4	21.1
23	20.7	20.7	20.8	20.8	20.4	20.0	20.7	22.3	23.6	24.4	24.9	26.0	26.9	26.9	27.3
24	23.0	22.7	22.1	21.8	21.2	21.1	22.2	23.3	24.4	26.0	27.5	29.2	30.2	29.9	30.4
25	24.0	23.8	23.5	23.1	22.5	22.3	23.9	26.0	27.8	29.8	31.6	32.6	33.8	34.1	34.1
26	25.2	25.1	24.6	24.3	23.9	23.9	25.6	28.6	30.2	32.2	33.8	35.1	35.6	35.8	35.6
27	26.3	26.1	26.2	26.1	25.8	25.9	28.0	29.3	29.5	27.6	25.8	25.6	26.1	27.8	27.4
28	24.3	24.3	24.0	24.1	24.0	23.4	23.4	23.1	24.9	26.8	25.8	27.4	28.4	27.8	27.2
29															
30															
31															
Prom	20.0	19.5	19.2	18.8	18.4	18.3	20.2	22.5	24.2	25.8	26.8	27.5	28.2	28.7	28.8

16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
57.5	57.7	58.3	59.4	59.8	60.4	60.8	61.3	61.6	61.6	24	57.2	15,16	4.4	758.2 mm.	1010.9 mb.
61.8	61.5	61.5	61.7	62.2	62.3	62.3	62.2	62.2	63.7	8	61.5	17,18	2.2	62.4	1016.5
59.6	59.3	59.3	59.2	59.4	59.7	59.8	59.8	59.8	62.2	7,8	59.2	19	3.0	60.8	1014.4
57.6	57.4	57.3	57.2	57.2	57.3	57.2	57.3	57.3	60.5	7	57.2	19,20,22	3.3	58.6	1011.4
52.8	52.4	51.9	51.4	52.8	53.8	54.8	55.8	56.5	57.6	7,8	51.4	19	6.2	55.5	1007.3
53.9	53.6	53.6	53.7	54.0	54.4	54.4	54.6	54.6	56.5	0	51.8	1-2	4.7	54.3	1005.7
54.2	54.3	54.3	54.7	55.0	55.0	55.0	55.3	55.2	55.9	7,8	54.2	16	1.7	55.0	1006.6
55.2	54.9	55.0	55.5	55.5	56.0	56.4	57.1	57.4	54.7	24	54.2	2-3	0.5	55.5	1007.3
60.3	60.2	60.3	61.0	61.6	62.1	62.8	63.1	63.1	63.1	23,24	57.3	4	5.8	60.1	1013.4
63.7	63.6	63.3	63.5	63.6	64.1	64.2	64.2	64.2	64.8	8	63.1	0	1.7	63.9	1018.5
61.9	61.9	61.8	61.8	62.0	62.6	62.8	62.8	62.8	64.3	8	61.8	18,19	2.5	63.2	1017.6
61.7	61.4	61.3	61.2	61.6	61.8	61.8	61.7	61.8	63.4	8	61.2	19	2.2	62.3	1016.4
60.6	60.3	60.2	60.4	60.4	60.8	60.8	60.6	60.5	61.9	8,9	60.2	18	1.7	61.1	1014.8
59.0	59.0	58.9	59.0	59.2	59.5	59.7	59.8	59.8	60.9	8,9	59.0	16,17,19	1.9	59.9	1013.2
58.8	58.6	58.4	58.5	59.0	59.2	59.2	59.2	59.3	60.4	8,9,10	58.4	18	2.0	59.5	1012.6
59.6	59.4	59.4	59.4	59.6	59.9	59.9	59.9	59.8	61.5	8-9	59.3	varios	2.2	60.1	1013.4
57.1	56.8	56.7	56.5	56.6	56.6	56.6	56.4	56.2	59.8	0	56.2	24	3.6	58.2	1010.9
52.7	52.4	52.5	52.5	52.8	53.0	53.0	53.1	53.1	56.2	0	52.4	17	3.8	54.2	1005.6
51.0	50.9	50.8	51.2	51.6	52.0	52.0	52.0	51.9	53.3	9	50.8	18	2.5	52.2	1002.9
53.5	53.4	53.4	53.4	53.8	54.1	54.3	54.3	54.2	55.7	9	51.7	1	4.0	54.0	1005.3
52.2	51.9	52.1	52.4	52.8	52.9	53.0	53.1	53.0	54.3	10	51.9	17	2.4	53.2	1004.2
57.3	57.7	58.0	58.0	58.4	58.9	59.8	59.6	59.7	60.1	22-23	53.0	0	7.1	57.2	1009.6
58.0	57.4	57.5	57.6	58.0	58.7	58.8	58.8	58.4	60.4	11	57.4	17	3.0	59.1	1012.1
55.2	54.9	54.7	54.5	54.6	54.7	54.8	54.8	54.7	58.4	0	54.5	19	3.9	56.5	1008.6
53.5	53.5	53.7	53.9	54.3	54.6	55.0	55.0	54.8	55.9	8,9	53.5	16,17	2.4	54.7	1006.2
54.7	54.1	54.3	54.2	54.5	54.7	54.8	54.6	54.3	56.6	varios	54.1	17	2.5	55.2	1006.9
52.3	51.6	51.1	51.3	52.8	54.2	53.5	53.8	53.8	54.3	21-22	51.1	18	3.2	53.4	1004.5
49.4	49.5	49.6	49.2	48.4	48.8	48.6	48.8	49.8	54.5	6	48.2	19-20	6.3	51.3	1001.7
56.6	57.0	56.4	56.5	56.8	57.2	57.4	57.5	57.5	59.0		55.8		3.2	57.5	1010.0

16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h	24^h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
22.7	21.7	18.6	18.3	17.2	16.7	16.2	15.2	14.4	27.1	15-16	14.4	24	12.7	19.2
21.6	20.9	19.7	18.0	16.9	15.8	15.8	15.7	15.6	23.3	14-15	11.1	6	12.2	17.2
25.0	24.7	23.3	21.9	20.9	20.3	19.5	19.5	19.4	25.4	15-16	14.6	5-6	10.8	19.9
29.1	27.7	26.3	24.0	22.7	22.0	21.5	21.0	21.1	29.5	15-16	16.9	4-5	12.6	22.6
31.9	29.7	28.4	27.6	27.5	26.9	24.1	21.4	19.9	32.1	13-14	19.4	6	12.7	25.5
27.1	26.9	25.3	23.7	21.8	20.6	19.8	19.3	18.9	28.0	12-13	19.4	11	8.6	22.9
28.0	27.2	25.9	24.0	22.6	22.1	21.9	21.8	21.8	29.1	12	16.8	6	12.3	23.2
25.3	25.7	25.1	23.5	21.4	20.5	19.5	18.8	18.5	25.7	17	18.5	24	7.2	22.7
25.0	25.2	24.0	21.9	21.5	20.3	19.1	18.5	17.9	25.2	17	17.8	5	7.4	21.2
22.3	22.0	21.4	20.1	18.5	17.7	16.9	16.4	16.1	24.4	13	15.0	5-6	9.4	19.1
25.7	24.4	23.2	21.9	20.1	19.1	18.3	17.2	16.4	26.3	15-16	14.0	6	12.3	20.4
24.9	23.8	23.3	19.7	16.4	15.2	14.3	16.6	15.6	26.5	13-14	14.3	22	12.2	19.8
26.7	25.9	27.4	21.1	18.5	16.7	15.9	15.5	15.5	27.7	13-14	13.8	3	13.9	20.4
30.0	29.8	27.3	24.5	22.1	20.5	19.4	18.8	18.1	30.1	16-17	13.1	5-6	17.0	21.9
31.2	30.5	29.1	26.2	25.0	24.3	23.3	20.7	21.0	31.6	15	16.4	6	15.2	24.4
31.3	30.6	28.6	25.1	24.0	21.4	19.3	21.0	20.4	31.6	14	14.8	6	16.8	24.0
29.1	27.8	25.9	23.4	22.5	22.4	22.4	22.3	21.9	31.3	14-15	14.1	6	17.2	23.2
30.8	29.5	27.4	25.0	23.9	23.6	23.5	22.6	22.2	31.2	14-15	19.5	5	11.7	24.8
34.1	33.5	31.4	28.3	26.0	24.8	24.7	20.9	23.6	34.4	14,15	18.3	6	16.1	26.5
32.0	31.5	30.2	28.9	28.1	27.9	27.8	27.0	25.8	32.3	15	21.6	6-7	10.7	26.9
35.8	34.5	32.7	29.2	27.7	26.8	27.0	25.8	25.1	36.0	14,15	21.0	6	15.0	28.7
21.1	21.4	21.4	21.3	20.8	20.5	20.5	20.5	20.6	27.7	0-1	20.7	12-13	7.0	21.8
27.0	26.7	25.5	24.1	23.2	22.5	22.3	22.6	23.1	27.3	15	20.0	6	7.3	23.5
30.1	29.7	28.2	26.5	25.6	24.9	24.5	24.3	24.3	30.7	13-14	21.1	6	9.6	25.5
33.9	33.4	32.3	29.2	28.1	27.3	26.7	26.0	25.3	34.1	14-15	22.3	6	11.8	28.1
35.2	33.0	33.0	30.7	29.4	28.8	27.9	27.6	27.0	35.8	14	23.9	5,6	11.9	29.7
29.3	30.0	29.0	28.5	27.3	23.8	23.3	23.8	23.7	30.6	8-9	23.2	21-22	7.4	26.8
26.8	26.7	25.5	24.6	24.6	25.0	25.5	25.3	24.4	28.7	13-14	23.1	8	5.6	25.3
28.3	27.6	26.4	24.3	23.0	22.1	21.4	20.9	20.6	29.4		17.8		11.6	23.4

HUMEDAD RELATIVA en %

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

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	12.5	12.5	12.5	12.5	12.0	12.0	12.5	12.9	13.0	13.5	13.5	13.0	12.5	13.0	12.5
2	11.5	11.0	10.5	10.0	9.0	9.0	9.5	9.4	9.0	9.5	8.5	9.0	9.0	9.1	10.5
3	12.0	12.0	11.5	11.5	12.0	12.0	12.5	12.2	12.5	13.0	13.0	14.5	13.5	13.3	13.5
4	14.0	13.0	11.5	12.0	11.5	13.5	13.5	13.4	11.5	13.5	13.5	12.5	15.0	15.3	14.5
5	14.5	15.0	14.0	14.0	14.5	14.5	15.0	15.1	15.5	16.5	16.5	16.0	16.5	15.7	15.0
6	16.5	16.5	15.5	17.0	16.5	16.5	17.0	18.5	18.5	17.5	18.5	19.5	18.5	19.0	18.5
7	15.5	15.0	14.5	14.0	13.5	13.5	15.5	17.6	17.0	18.0	18.5	18.5	19.0	18.9	18.0
8	18.0	18.0	19.0	19.0	18.5	18.5	19.0	18.6	17.5	19.0	18.0	15.0	16.5	17.4	17.5
9	15.5	15.5	15.5	15.5	14.5	15.0	15.5	17.4	17.5	17.5	17.5	17.0	16.5	16.2	14.5
10	14.0	13.5	13.5	12.5	12.5	12.0	13.5	14.2	14.0	14.0	13.5	13.5	14.0	14.4	14.0
11	13.0	13.0	13.0	12.5	12.0	11.5	13.5	15.0	14.5	14.0	16.0	14.0	12.0	12.6	11.5
12	12.0	12.0	13.0	12.5	11.5	11.0	13.5	14.0	13.5	14.0	11.5	10.5	9.5	9.3	10.5
13	12.0	12.0	11.0	12.0	12.0	12.0	13.5	13.5	13.5	13.0	12.0	12.0	11.5	11.8	11.0
14	12.0	12.0	11.5	11.0	10.5	10.5	13.5	15.2	14.5	14.0	13.0	12.0	12.5	12.7	11.5
15	13.5	13.5	13.0	13.0	13.5	13.5	14.5	15.2	15.0	14.5	14.5	13.5	14.0	14.7	14.5
16	15.0	14.5	14.0	13.0	12.5	12.0	15.0	16.5	16.0	15.5	15.0	13.5	12.5	12.3	13.0
17	16.0	13.5	12.5	12.0	12.0	11.5	16.0	16.1	16.0	15.0	15.0	14.5	15.0	15.1	15.5
18	16.5	15.5	16.5	16.0	15.5	16.0	16.5	16.3	16.0	16.0	16.0	17.0	16.0	15.0	14.0
19	13.5	13.0	12.5	13.5	14.0	14.5	15.0	15.5	16.5	16.5	17.0	16.0	14.5	15.3	15.0
20	14.5	14.0	14.0	15.0	15.5	16.0	17.0	17.9	15.5	17.0	18.5	17.0	16.5	17.0	17.0
21	20.5	18.5	16.0	15.5	15.5	15.0	16.5	16.5	17.5	17.5	20.0	17.0	16.0	15.6	14.5
22	18.5	18.5	19.0	18.0	19.0	19.0	19.0	20.4	19.0	18.5	17.5	17.5	17.5	19.0	18.0
23	17.5	17.5	17.5	17.5	17.0	17.0	17.5	18.2	17.5	18.5	19.0	18.0	19.0	18.7	18.0
24	19.0	19.0	18.0	18.0	17.0	18.0	18.0	18.0	18.5	19.0	21.0	21.5	21.5	20.4	20.0
25	20.5	19.0	18.5	18.0	18.5	18.5	19.0	20.2	20.0	22.5	23.5	21.0	20.5	20.5	21.0
26	20.5	20.5	20.0	19.5	19.0	19.0	22.0	21.3	21.5	22.0	22.5	22.0	22.5	22.8	22.5
27	22.0	22.0	21.0	22.0	21.5	21.5	22.5	20.7	22.0	21.0	19.0	21.0	22.0	22.6	23.5
28	19.5	22.0	21.5	21.5	21.5	20.5	20.5	20.2	19.0	20.0	21.5	21.0	21.0	21.8	20.5
29															
30															
31															
Prom.	15.7	15.4	15.0	14.9	14.7	14.8	15.9	16.4	16.1	16.4	16.6	16.0	15.9	16.0	15.7

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
76	77	77	76	80	78	87	92	98	98	24	44	15-16	54	78
56	57	61	71	78	86	88	91	96	98	varios	44	12-13	54	74
61	62	68	76	82	87	92	83	84	100	6	57	14,15	43	79
56	63	64	82	90	94	94	86	77	94	21,22	50	15	44	74
45	55	63	63	65	68	90	98	100	100	24	42	15-16	58	69
69	68	77	83	94	97	99	100	100	100	varios	69	11-12	31	87
62	65	66	76	89	95	97	95	92	100	varios	59	16-17	41	82
70	68	73	80	91	95	97	100	100	100	6,23,24	66	17-18	34	87
65	61	75	82	80	86	90	93	100	100	varios	59	16-17	41	86
72	69	72	80	88	92	99	100	100	100	varios	54	10-11	46	84
54	55	58	65	72	76	84	92	93	100	varios	49	14-15	51	77
43	44	42	61	81	82	92	88	100	100	4,5,6	35	13-14	65	72
40	46	53	71	85	93	95	100	100	100	varios	38	15-16	62	75
41	44	57	71	81	89	93	94	99	100	varios	38	15-16	62	75
47	53	69	66	69	66	72	81	83	100	0-1	43	12	57	67
36	35	39	44	56	74	85	77	88	100	varios	33	14-15	67	67
53	56	62	75	87	92	94	95	96	100	varios	43	14-15	57	77
46	44	67	78	84	88	89	72	72	96	0	42	15	54	73
39	40	48	61	73	77	69	72	68	93	6	38	14-16	55	63
54	57	60	66	67	67	71	76	85	85	6-7	47	14-15	38	68
35	41	52	65	75	80	75	78	79	90	1	31	15	59	64
99	98	100	100	100	100	100	99	97	100	varios	63	0-1	37	96
71	73	80	88	91	96	98	96	96	100	varios	68	14-15	32	88
65	65	70	81	90	93	95	95	96	96	0,24	63	12,13	3	83
54	58	67	78	84	88	89	89	89	96	0	50	14-15	46	77
56	61	67	78	80	81	82	83	85	93	6-7	50	14-15	43	74
79	73	78	84	80	88	88	82	86	92	21-22	66	8-9	26	83
77	77	83	87	93	93	90	91	98	100	5,6,7	71	13	29	88
58	60	66	74	82	86	89	89	91	97		50		47	77

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
15.5	15.0	12.0	12.0	11.6	10.5	12.0	11.5	11.5	15.5	16	10.5	21	5.0	12.6
11.0	10.5	10.5	11.0	11.1	11.5	11.5	12.0	12.5	12.5	24	8.5	11	4.0	10.2
14.5	14.5	14.0	15.0	15.0	15.5	15.5	14.0	13.5	15.5	21,22	11.5	3,4	4.0	13.4
17.0	17.0	15.5	18.0	18.3	18.0	17.5	16.0	14.5	18.3	20	11.5	varios	6.8	14.6
15.0	16.0	18.0	17.0	17.5	17.5	19.5	18.5	16.5	19.5	22	14.0	3,4	5.5	16.0
18.0	17.5	18.5	18.0	18.4	17.5	16.5	16.0	15.5	19.5	12	15.5	3,24	4.0	17.5
17.5	16.5	16.5	17.0	18.2	18.0	19.0	18.0	18.0	19.0	13,22	13.5	5,6	5.5	16.9
16.0	16.5	17.0	16.5	17.2	16.5	16.5	15.5	15.5	19.0	varios	15.0	12	4.0	17.4
14.5	14.5	16.0	16.0	15.3	15.5	14.0	14.5	14.5	17.5	varios	14.0	22	3.5	15.7
14.5	13.0	13.5	13.5	14.0	13.5	13.5	13.5	13.0	14.5	16	12.0	6	2.5	13.5
12.5	12.0	12.0	12.0	12.7	12.5	12.5	13.5	12.5	16.0	11	11.5	6,15	4.5	12.9
10.0	9.0	9.0	10.5	11.2	10.5	11.0	12.0	12.5	14.0	8,10	9.0	17,18	5.0	11.4
9.5	11.5	14.0	13.5	13.4	13.0	12.0	12.5	12.5	14.0	18	9.5	16	4.5	12.3
13.5	13.0	15.5	16.5	15.9	15.5	15.5	14.5	15.0	16.5	19	10.5	5,6	6.0	13.4
14.5	15.5	15.5	16.5	16.4	15.0	15.0	15.0	15.0	16.5	19	13.0	3,4	3.5	14.5
12.5	10.5	11.0	10.5	12.6	13.5	13.5	14.0	15.5	16.5	8	10.5	17,19	6.0	13.5
15.5	16.0	15.5	15.5	16.5	18.5	18.5	18.5	19.0	19.0	24	11.5	6	7.5	15.4
15.5	13.0	18.0	18.0	18.4	19.0	18.5	14.5	14.0	19.0	21	13.0	17	6.0	16.2
15.0	14.5	16.0	17.5	18.3	18.0	15.5	13.0	14.5	18.3	20	12.5	3	5.8	15.2
18.5	19.5	18.5	19.5	18.7	18.5	20.0	20.5	20.0	20.5	23	14.0	2,3	6.5	17.3
14.0	17.0	19.0	18.5	20.9	20.0	19.0	19.0	18.0	20.9	20	14.0	16	6.9	17.4
18.0	18.5	18.5	18.5	18.3	17.5	17.5	17.5	17.5	20.4	8	17.5	varios	2.9	18.3
19.0	19.0	18.5	19.5	19.3	19.5	19.5	20.0	20.5	20.5	24	17.0	5,6	3.5	18.5
19.5	19.0	19.0	21.0	22.0	21.5	21.0	20.5	22.0	22.0	24	17.0	5	5.0	19.7
20.5	22.0	24.0	23.5	23.4	23.5	22.5	22.0	21.0	24.0	18	18.0	4	6.0	21.0
23.5	23.5	25.0	25.5	24.4	24.0	23.0	22.5	22.0	25.5	19	19.0	5,6	6.5	22.1
23.5	22.5	23.0	23.5	21.6	19.5	18.5	18.0	19.0	23.5	varios	18.0	23	5.5	21.4
20.0	20.0	20.0	20.0	21.4	21.5	21.0	22.0	22.0	22.0	varios	19.0	9	3.0	20.8
16.0	16.0	16.6	16.9	17.2	16.7	16.8	16.4	17.0	18.6		13.6		5.0	16.0

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	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V
1	NE	4	NE	8	NE	8	NE	8	NE	10	NE	4	NE	2	NE	10	N	10	N	17	NW	14	NW	9	NW	11	W	9	W	8
2	SE	3	SE	3	SE	2	SE	4	C	1	SE	2	SE	4	SE	4	SE	4	S	2	C	1	SW	3	S	3	S	5	S	5
3	E	3	E	7	E	8	E	11	E	9	E	5	N	9	N	14	N	9	N	2	N	10	N	8	N	8	N	11	N	11
4	NE	4	NE	5	N	6	NE	5	E	4	N	11	N	7	N	11	N	10	N	12	N	11	N	9	N	12	N	10	N	14
5	NE	9	NE	4	NE	4	NE	6	NE	9	NE	10	NE	8	NE	14	N	15	N	12	N	16	N	21	N	20	N	18	N	21
6	W	4	N	28	N	17	S	3	S	3	S	3	C	1	C	1	S	2	S	4	S	4	S	2	S	3	E	5	E	9
7	C	0	C	0	C	0	C	0	C	1	C	0	C	1	SW	2	SE	5	SE	5	SE	6	SE	6	E	8	E	11	E	10
8	E	12	E	3	E	8	E	6	E	3	E	4	C	1	NE	4	E	5	E	5	E	4	E	5	S	4	SE	6	E	9
9	C	1	C	0	C	0	C	0	C	0	C	0	C	0	S	3	C	1	S	2	S	4	S	9	S	8	S	8	S	4
10	C	1	C	1	C	1	C	0	C	1	C	1	S	2	S	2	SE	8	E	4	E	9	E	10	E	11	E	12	E	5
11	C	0	C	1	C	0	C	1	C	1	C	0	C	0	NE	2	N	6	N	4	N	3	E	4	E	8	E	5	E	5
12	NE	4	NE	2	C	0	C	0	C	0	C	0	C	0	C	0	N	2	E	2	C	1	E	7	E	9	E	12	E	8
13	C	0	C	0	C	0	C	0	N	6	N	2	N	2	N	8	N	12	NW	6	E	4	E	2	E	4	E	4	E	10
14	C	0	C	0	C	0	C	0	C	0	C	0	C	0	NW	2	NW	6	W	4	W	3	SW	2	SW	2	E	3	C	0
15	W	2	W	4	W	3	W	3	C	1	C	1	C	0	C	1	SW	4	SW	5	SW	3	C	1	S	2	S	2	S	3
16	E	5	E	3	C	1	C	0	C	0	C	1	C	0	SE	2	E	5	E	4	E	6	E	9	E	7	E	9	E	5
17	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	1	E	6	E	9	E	5	N	3	E	4	E	5	C	0
18	C	1	NE	3	C	0	C	1	NE	3	C	0	C	1	NE	5	N	7	N	5	N	7	N	3	N	6	E	3	E	6
19	NE	5	N	6	N	8	N	8	N	5	N	7	N	9	N	10	N	11	N	11	N	9	N	18	N	20	N	20	N	16
20	N	9	N	8	N	7	N	4	C	1	C	0	C	0	SE	4	SE	6	E	13	E	14	E	18	E	12	E	8	E	6
21	E	4	N	5	N	8	N	4	N	5	N	3	N	4	N	12	N	16	N	24	N	26	N	28	N	24	NW	24	NW	20
22	S	4	S	3	S	6	SE	5	SE	8	SE	10	SE	4	SE	6	SE	8	E	8	E	6	E	6	E	8	E	8	E	6
23	SE	3	SE	3	SE	5	SE	4	SE	2	SE	2	SE	4	SE	2	E	6	E	6	E	8	E	8	E	10	E	8	E	5
24	E	2	NE	5	NE	3	NE	4	NE	4	NE	2	NE	2	NE	7	N	10	N	5	N	8	N	6	N	6	N	4	N	4
25	C	0	NE	5	NE	4	N	4	N	6	C	1	N	4	N	8	N	12	N	12	N	10	N	14	N	16	N	18	N	16
26	N	5	N	5	N	2	N	2	N	2	N	4	N	2	N	5	N	8	N	6	N	12	N	14	N	16	N	14	N	12
27	N	2	N	6	N	5	N	7	N	6	N	8	N	10	N	12	NW	16	W	5	S	8	SE	8	E	11	E	16	E	16
28	E	11	E	7	E	6	E	6	E	4	E	4	S	6	N	4	N	8	N	10	N	14	N	5	E	9	E	11	E	14
29																														
30																														
31																														
DIR. PREV.	C		NE-C		C		C		C		C		C		N		N		N		N		N		E		E		E	
Nº de HORAS	9		7		10		10		11		12		12		9		14		12		11		11		12		15		14	
PROM. HOR. DE LA VELOC.		4		4		4		3		3		3		3		6		8		7		8		8		9		10		9

15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		PREVAL. DIARIA		PROM. DIARIO DE VELOC.	VELOCIDAD INSTANTÁNEA		
D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	DIR.	Nº de HORAS		VELOC.	DIREC.	HORA
W	8	SE	10	SE	7	SE	4	SE	5	SE	4	C	0	SE	3	SE	2	NE	8	7	36	SW	15.28
E	5	E	3	E	6	E	2	E	5	E	3	E	3	C	0	SE	5	SE	9	3	11	E	15.56
N	10	N	11	N	11	E	8	E	2	C	0	C	1	E	2	NE	3	N	12	7	18	N	7.22
N	15	N	11	E	10	E	7	E	7	E	5	E	3	NE	2	NE	6	N	13	8	18	N	6.16
N	24	N	16	NE	8	NE	8	E	5	E	8	E	5	SW	8	W	10	NE	10	12	34	N	14.52
N	6	N	9	N	10	NE	6	C	0	C	0	C	0	C	1	C	1	S	8	5	45	N	1.13
E	7	E	6	E	7	E	7	E	3	E	6	E	6	E	8	E	12	E	12	5	15	N	15.38
E	11	E	7	E	2	C	0	C	0	C	1	C	0	C	0	C	0	E	14	4	23	S	11.34
SE	5	SE	6	SE	5	E	6	E	3	E	2	E	2	E	2	C	0	C	9	3	13	S	14.20
E	9	E	6	E	5	C	0	C	1	E	2	C	0	C	0	C	0	C	13	4	19	E	13.12
E	4	E	7	E	7	E	4	E	2	E	3	E	4	C	1	C	0	E	11	3	15	NE	13.18
E	9	E	7	E	8	E	2	E	3	E	3	E	5	E	4	C	1	E	13	4	20	E	15.04
E	7	E	6	E	3	C	0	C	1	C	0	C	0	C	0	C	0	C	10	3	18	N	8.00
C	0	C	0	C	0	C	1	C	1	NE	3	NW	3	C	1	W	4	C	14	1	8	W	9.35
C	0	C	0	C	0	C	1	C	1	E	6	E	3	C	1	E	5	C	11	2	9	SW	14.23
E	5	E	8	E	7	E	5	E	2	C	0	C	0	C	1	C	0	E	14	4	17	E	16.40
E	4	E	4	E	5	E	3	E	4	E	5	C	1	E	2	C	1	E	12	3	10	N	7.41
N	8	N	5	E	4	E	5	E	3	E	2	E	4	NE	3	NE	6	N-E	7	4	17	NE	7.16
N	14	N	12	N	4	NE	2	C	1	NE	4	NE	4	NE	2	NE	5	N	17	9	29	N	13.03
E	8	E	6	E	4	E	6	E	8	E	8	E	3	E	7	E	4	E	15	7	26	E	11.05
NW	18	NW	10	N	2	C	0	N	2	N	6	N	6	N	5	N	2	N	18	11	36	N	10.37
E	4	E	4	C	0	SE	2	C	1	SE	3	SE	2	SE	7	SE	4	SE	11	5	22	SE	5.04
E	9	E	5	E	4	E	4	E	5	C	0	C	0	E	3	E	2	E	14	4	16	E	13.01
N	6	N	6	N	5	NE	3	E	2	E	2	E	3	E	2	E	2	N	10	4	14	N	8.52 y 12.12
N	14	N	8	N	2	N	2	N	3	N	2	N	2	N	2	N	3	N	20	7	23	NW	13.48
N	12	N	7	C	0	N	3	N	2	N	2	N	2	N	5	N	3	N	23	6	24	N	12.58
E	13	N	16	N	16	N	11	N	13	E	23	E	15	E	11	E	7	N	12	11	32	E	9.10
E	13	E	13	E	14	E	15	E	14	E	9	E	11	E	8	SE	6	E	17	9	23	N	9.59 y 10.40

																		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		60 Km.		
E		E		E		E		E		E		E		E		C					DIREC.	DIA	HORA
14		13		14		13		15		15		13		10		9		E	206	6	N	1	de 10.00 a 10.05
	9		7		6		4		4		4		3		3		3				E	27	de 20.10 a 20.15

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	2	27	8	54			7	35					3	25	3	34	1	175
2					7	27	9	31	4	15	1	3					3	78
3	12	114	1	3	9	55											2	173
4	13	139	5	22	6	36												197
5	9	163	10	80	3	18					1	8	1	10				279
6	5	70	1	6	2	14			8	24			1	4			7	122
7					12	91	4	22			1	2					7	117
8			1	4	14	84	1	6	1	4							7	100
9					5	15	3	16	7	38							9	71
10					10	73	1	8	2	4							11	91
11	3	13	1	2	11	53											9	72
12	1	2	2	6	13	79											8	89
13	5	30			8	40									1	6	10	77
14			1	3	1	3					2	4	3	11	3	11	14	35
15					3	14			3	7	3	12	4	12			11	52
16					14	80	1	2									9	85
17	1	3			12	56											11	62
18	7	41	5	20	7	27											5	91
19	17	188	6	22													1	211
20	4	28			15	125	2	10									3	164
21	18	182			1	4									4	72	1	258
22					8	50	11	59	3	13							2	123
23					14	83	8	25									2	108
24	10	60	8	30	6	13												103
25	20	158	2	9													2	168
26	23	145															1	145
27	12	112			8	112	1	8	1	8			1	5	1	16		261
28	5	41			17	169	1	6	1	6								222
29																		
30																		
31																		
SUMAS	167	1516	51	261	206	1321	49	228	30	119	8	29	13	67	12	139	136	3729
% PREVAL POR VELOCIDAD	40.6		7.1		35.4		6.1		3.2		0.8		1.8		3.7		1.3	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	9		5		6		5		4		4		5		12		0.4	133

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	3	5	6	2	1		2		9
1 - 2	6	7	4	2	1		1		7
2 - 3	7	4	3	2	1		1		10
3 - 4	6	4	3	3	1		1		10
4 - 5	6	4	4	2	1				11
5 - 6	6	3	3	3	1				12
6 - 7	8	3		3	2				12
7 - 8	9	6		5	2	1		1	4
8 - 9	14		4	5	1	1		2	1
9 - 10	12		8	1	3	1	2	1	
10 - 11	11		8	1	3	1	1	1	2
11 - 12	11		9	2	2	2		1	1
12 - 13	9		12		5	1		1	
13 - 14	7		15	1	3		1	1	
14 - 15	7		14		3		1	1	2
15 - 16	9		14	1			1	1	2
16 - 17	10		13	2				1	2
17 - 18	7	1	14	2					4
18 - 19	3	4	13	2					6
19 - 20	4		15	1					8
20 - 21	3	2	15	2					6
21 - 22	3	1	13	1				1	9
22 - 23	3	3	10	2		1			9
23 - 24	3	4	6	4			2		9
SUMAS	167	51	206	49	30	8	13	12	136
% de frec. por dirección	24.8	7.6	30.6	7.3	4.5	1.2	1.9	1.8	20.2

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

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9	44.4	26.5	1.46	1	5	5	
	10	46.5	28.3	1.48	1	5	5	
1	12	48.5	30.4	1.47	1	5	5	
	14	50.1	32.0	1.47	4	3	5	
	15	48.9	31.8	1.39	5	3	5	
	9	38.8	22.6	1.32	2	4	5	
	10	43.9	25.2	1.52	2	5	5	
2	12	47.9	27.8	1.63	3	5	5	
	14	48.4	28.6	1.69	3	5	5	
	15	44.8	27.5	1.41	2	5	5	
	9	41.3	24.2	1.39	4	5	5	
	10	44.6	26.4	1.48	6	5	5	
3	12	47.8	29.4	1.50	2	5	5	
	14	48.0	30.3	1.44	2	5	5	
	15	46.6	30.3	1.33	1	5	5	
	9	38.7	25.8	1.05	7	1	5	
	10	49.9	30.0	1.62	7	2	5	
4	12	50.3	33.5	1.36	1	3	5	
	14	51.5	34.4	1.39	0	5	5	
	15	50.2	34.0	1.32	0	5	5	
	9	46.4	30.3	1.31	6	5	5	
	10	52.0	34.6	1.41	4	5	5	
5	12	54.4	36.9	1.42	3	5	5	
	14	51.5	36.5	1.22	2	5	5	
	15	52.4	34.7	1.44	2	5	5	
	9	35.9	26.2	0.79	8	1	4	B.
	10	46.4	29.9	1.34	8	4	5	
6	12	56.7	35.0	1.76	6	4	5	
	14	49.8	32.5	1.41	7	4	4	B.
	15	49.6	32.5	1.39	5	5	4	B.
	9	47.4	30.5	1.37	1	5	5	
	10	52.0	33.3	1.52	3	5	5	
7	12	42.7	31.7	0.88	7	2	4	B.
	14	50.8	33.7	1.39	5	4	4	B.
	15	48.7	32.4	1.33	1	5	5	
	9	31.4	25.2	0.50	8	1	5	
	10	27.9	24.3	0.29	8	1	5	
8	12	45.3	27.4	1.46	7	3	5	
	14	44.3	29.8	1.18	7	5	4	B.
	15	44.3	30.2	1.15	7	3	4	B.
	9	35.3	24.5	0.88	8	1	4	B.
	10	37.6	25.6	0.98	8	1	4	B.
9	12	42.4	27.9	1.18	7	2	5	
	14	41.4	28.4	1.06	7	2	5	
	15	39.1	27.0	0.92	6	2	5	
	9	44.4	27.4	1.38	2	5	5	
	10	45.4	28.4	1.38	3	5	4	B.
10	12	45.5	28.2	1.41	5	5	4	B.
	14	39.7	27.4	1.00	7	2	4	B.
	15	32.7	25.0	0.63	7	1	5	
	9	44.8	28.1	1.36	1	5	5	
	10	48.3	29.8	1.50	2	5	5	
11	12	52.8	32.3	1.67	5	5	5	
	14	40.0	28.5	0.93	4	3	5	
	15	47.2	30.5	1.36	2	5	5	
	9	45.9	28.3	1.43	0	5	5	
	10	47.9	29.7	1.48	0	5	5	
12	12	50.2	31.4	1.53	2	5	5	
	14	48.6	31.7	1.37	1	5	5	
	15	45.4	30.0	1.25	0	5	5	
	9	45.3	27.8	1.42	0	5	5	
	10	48.2	30.3	1.46	0	5	5	
13	12	50.0	31.9	1.47	0	5	5	
	14	49.8	32.4	1.41	0	5	5	
	15	48.2	32.0	1.32	0	5	5	
	9	46.3	29.5	1.36	0	5	5	
	10	49.3	31.9	1.41	0	5	5	
14	12	51.1	33.6	1.42	0	5	5	
	14	51.3	34.1	1.40	1	5	5	
	15	51.4	34.5	1.37	1	5	5	
	9	49.4	33.0	1.33	0	5	5	
	10	50.6	33.5	1.39	0	5	5	
15	12	53.5	36.0	1.42	1	5	5	
	14	52.0	36.2	1.28	3	3	5	
	15	54.0	37.0	1.38	3	5	5	
	9	47.7	31.3	1.33	0	5	4	B.
	10	51.6	34.0	1.43	0	5	5	
16	12	53.5	36.4	1.39	0	5	5	
	14	54.0	36.2	1.45	0	5	5	
	15	52.4	35.5	1.37	0	5	5	
	9	47.4	30.6	1.36	0	5	5	
	10	49.4	32.0	1.41	0	5	5	
17	12	52.9	35.0	1.46	0	5	5	
	14	52.7	35.8	1.37	0	5	5	
	15	51.0	35.0	1.30	0	5	5	
	9	46.5	31.2	1.24	0	5	5	
	10	49.2	32.3	1.37	0	5	5	
18	12	51.9	34.5	1.41	1	5	5	
	14	52.4	35.4	1.38	0	5	5	
	15	51.2	35.3	1.29	1	5	5	
	9	48.7	32.3	1.33	0	5	5	
	10	52.2	35.3	1.37	0	5	5	
19	12	54.9	37.3	1.43	0	5	5	
	14	54.9	38.7	1.32	0	5	5	
	15	53.9	38.4	1.26	0	5	5	
	9	43.7	30.7	1.06	1	5	2	Ne.
	10	48.8	33.7	1.23	0	5	4	B.
20	12	50.4	34.2	1.32	0	5	4	B.
	14	53.0	36.5	1.34	0	5	4	B.
	15	51.0	36.3	1.20	0	5	4	B.
	9	50.8	34.5	1.33	0	5	4	B.
	10	53.3	36.7	1.35	0	5	4	B.
21	12	55.9	39.5	1.33	0	5	4	B.
	14	56.0	40.4	1.27	0	5	4	B.
	15	54.9	40.2	1.20	0	5	4	B.
	9				8	0	4	LL.
	10				8	0	4	LL.
22	12				8	0	3	LL.
	14				8	0	1	LL.
	15				8	0	3	LL.
	9	33.1	25.6	0.61	8	1	5	
	10	42.8	28.6	1.15	7	2	5	
23	12	50.1	31.7	1.50	5	3	5	
	14	47.0	31.5	1.26	5	3	5	
	15	47.7	31.9	1.28	4	5	5	
	9	43.9	28.9	1.22	8	4	5	
	10	45.8	30.9	1.21	8	4	5	
24	12	53.2	35.0	1.48	8	5	5	
	14	43.8	32.8	0.88	5	3	5	
	15	50.9	35.0	1.29	4	5	5	
	9	48.9	33.2	1.28	0	5	5	
	10	51.8	35.3	1.34	0	5	5	
25	12	54.6	38.0	1.35	0	5	5	
	14	55.0	39.0	1.30	0	5	5	
	15	54.0	38.5	1.26	2	5	5	
	9	52.5	35.8	1.36	6	5	5	
	10	57.0	35.7	1.73	2	5	5	
26	12	56.4	40.8	1.27	1	5	5	
	14	56.0	40.4	1.27	0	5	5	
	15	54.6	39.6	1.22	0	5	5	
	9	35.2	30.5	0.38	7	0	5	
	10	28.6	27.1	0.12	7	0	4	
27	12				7	0	4	Z.
	14	37.3	29.8	0.61	7	2	4	B.
	15	32.4	28.5	0.32	7	2	4	B.
	9	35.5	27.4	0.66	8	1	4	Ne.
	10	37.0	28.8	0.67	7	2	5	
28	12	43.0	31.0	0.98	6	2	5	
	14	38.0	30.0	0.65	6	2	4	Ne.
	15	37.1	29.2	0.64	6	2	4	Ne.
	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		0.1	1.0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.5	0.3	10.6	13.6	78
2	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	13.6	94
3	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	0.3	12.6	13.6	93
4		0.2	0.3	0.6	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	10.0	13.6	74
5		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2			9.8	13.5	73
6			0.4	0.2	0.2	1.0	1.0	0.5	0.4	0.9	1.0	1.0	1.0	0.5	8.1	13.5	60
7		0.2	1.0	1.0	1.0	1.0	1.0	0.5	1.0	1.0	1.0	1.0	0.9		10.6	13.5	78
8							0.2	1.0	1.0	0.9	0.9	1.0	0.2		5.2	13.4	39
9						0.5	1.0	0.9	0.5	0.5	0.4	1.0	1.0	0.1	5.9	13.4	44
10	0.2	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.6						7.5	13.4	56
11		1.0	1.0	1.0	1.0	1.0	1.0	0.7	1.0	1.0	1.0	1.0	1.0	0.1	11.8	13.3	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	13.3	96
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	13.3	96
14		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9		11.7	13.2	89
15	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	0.3	12.5	13.2	95
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	0.4	12.6	13.2	96
17		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.9	13.1	91
18		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	13.1	89
19		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	12.0	13.1	92
20		0.6	1.0	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.2	13.0	86
21		0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6		11.3	13.0	87
22															0.0	13.0	00
23		0.3	0.5	0.3	0.2		0.6	1.0	1.0	1.0	1.0	1.0	0.8		7.7	12.9	60
24		0.2	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	11.2	12.9	87
25		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	12.9	88
26			0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0.7		9.9	12.8	77
27		0.6	0.9	0.9					0.3	0.1	0.9	1.0	0.1		4.8	12.8	38
28							0.1		0.4			0.5	0.4		1.4	12.8	11
29																	
30																	
31																	
Medias	0.1	0.6	0.8	0.8	0.7	0.8	0.8	0.8	0.9	0.8	0.9	0.9	0.7	0.2	9.7	13.2	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	21.4	24.2	21.0	21.4	21.2	21.0	20.8	21.0	21.6	21.8	21.6	21.8	-	-	-
2	20.5	23.3	22.1	21.0	22.6	22.3	20.3	20.4	21.1	21.3	21.2	22.5	-	-	-
3	20.7	24.6	23.4	24.9	23.0	23.2	20.3	20.5	21.5	21.3	21.1	21.5	-	-	-
4	21.3	26.8	24.5	21.5	24.4	24.2	20.5	21.0	21.9	21.3	21.2	21.7	-	-	-
5	22.6	28.8	26.2	22.5	25.6	25.3	21.5	21.8	22.7	22.0	21.8	22.5	-	-	-
6	23.2	27.7	25.7	23.1	25.8	25.3	21.9	22.3	23.2	22.2	22.2	22.9	-	-	-
7	23.0	28.3	25.7	23.1	26.1	25.5	22.2	22.5	23.1	22.7	22.4	22.8	-	-	-
8	23.8	26.6	25.2	23.9	27.0	25.2	22.4	22.8	23.2	22.8	22.7	23.0	-	-	-
9	23.0	26.7	25.0	23.2	25.1	24.8	23.2	22.4	23.0	23.0	22.7	22.8	-	-	-
10	22.2	27.2	24.2	22.6	25.1	24.2	21.9	22.2	22.5	22.6	22.2	22.5	-	-	-
11	21.8	28.0	24.8	22.2	25.4	24.7	21.6	22.0	22.7	22.2	22.1	22.7	-	-	-
12	21.9	28.0	23.8	22.2	25.0	24.3	21.5	22.0	22.4	21.2	22.1	22.4	-	-	-
13	21.5	28.2	24.5	21.8	25.5	24.5	21.4	21.7	22.5	22.3	22.0	22.5	-	-	-
14	21.6	28.6	25.8	22.1	25.8	25.4	21.5	22.0	23.0	22.2	22.3	22.7	-	-	-
15	23.0	29.6	26.5	23.0	26.8	26.2	22.2	22.6	23.7	22.6	22.7	23.3	-	-	-
16	23.0	30.0	26.3	23.4	27.0	26.0	22.7	23.2	24.0	23.2	23.2	23.6	-	-	-
17	23.0	30.0	24.6	23.2	26.8	26.0	22.8	23.2	24.0	23.4	23.2	23.7	-	-	-
18	24.0	30.2	27.0	24.0	27.2	26.5	22.8	23.4	24.4	23.6	23.4	23.8	-	-	-
19	23.9	30.5	27.7	24.0	27.3	26.8	23.2	23.4	24.3	23.7	23.7	23.7	-	-	-
20	24.8	30.2	28.0	24.8	27.6	27.2	23.6	24.0	24.8	23.8	23.8	24.4	-	-	-
21	25.0	31.3	28.5	25.1	28.0	27.6	24.1	24.3	25.0	24.1	24.3	24.7	-	-	-
22	25.6	23.7	23.7	25.7	24.2	20.7	24.2	24.2	19.0	24.5	24.0	23.4	-	-	-
23	23.2	27.0	25.8	23.4	25.3	25.5	22.2	22.6	23.3	22.8	23.0	23.3	-	-	-
24	24.0	29.3	27.2	24.1	26.7	26.6	22.7	23.1	24.0	23.3	23.1	23.7	-	-	-
25	25.2	30.8	29.0	25.1	28.1	28.0	23.7	24.2	25.2	23.8	24.0	24.6	-	-	-
26	26.2	31.5	29.5	26.2	28.9	28.6	24.5	24.9	25.7	24.5	24.5	24.1	-	-	-
27	27.2	27.3	27.5	26.8	26.9	27.1	25.3	25.0	25.9	25.3	25.1	25.2	-	-	-
28	25.6	27.4	26.8	25.6	26.3	26.4	24.4	24.2	24.6	24.5	24.4	24.6	-	-	-
29															
30															
31															
Prom.	23.3	28.1	25.8	23.6	25.9	25.3	22.5	22.8	23.3	22.9	22.0	23.2	-	-	-

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					1	0.6	1.5	2.2	4.2	S. 21	21.4	22.2	25.6	22.6		10157
2					0	0.5	0.4	1.3	2.3							10168
3					0	0.6	1.2	1.3	3.4							10164
4					0	0.9	1.7	0.7	2.9							10157
5	10.1	14.0	12.8	12.3	0	0.5	3.8	1.7	6.0							10144
6					2	0.5	0.8	0.8	1.7	S. 22	16.8	17.4	23.0			10131
7					1	0.1	1.0	1.1	2.4							9994
8					0	0.3	0.8	0.6	1.6							10120
9					0	0.2	0.5	1.4	2.6							10324
10					0	0.7	1.1	0.8	2.5							10688
11					0	0.6	1.3	1.7	3.6	S. 23	14.4	17.0	23.2			10687
12					0	0.6	1.8	1.9	4.2							10683
13					0	0.5	1.5	1.7	3.7							10681
14					0	0.5	1.6	1.6	4.0							10677
15					0	0.8	1.8	1.1	3.7							10677
16					0	0.8	2.1	2.6	5.8	S. 24	8.0	9.3	21.2			10678
17					0	1.1	1.8	1.8	4.1							10678
18					0	0.5	1.8	2.5	5.7							10675
19					0	1.4	3.5	3.0	8.1							10675
20					0	1.6	1.7	1.7	5.0							10679
21	0.2	0.6	0.0	0.0	0	1.6	4.4	2.9	8.6	S. 25	9.0	10.8	18.2	18.7	17.8	10680
22	60.5	65.3	63.7	60.1	2	1.3	0.0	0.2	0.4							10695
23					2	0.2	0.9	0.8	2.3							10592
24					2	0.6	1.2	1.1	2.8							10611
25					1	0.5	1.9	1.7	5.5							10611
26					0	1.9	2.4	2.0	5.7	S. 26	20.2	19.8	22.6			10610
27	1.2	2.0	1.4	0.9	0	1.3	1.0	0.9	2.6							10606
28	2.6	2.8	2.3	2.5	1	0.7	0.8	0.6	1.7							10607
29																
30																
31																
Prom.	74.6	84.7	80.2	75.8	-	0.8	1.6	1.5	3.8	-	-	-	-	-	-	10495

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		
-	-	-	23.0	23.1	23.1	21.1	20.0	11.4	Cn. m. t. y n., r. m.
-	-	-	23.0	23.0	23.0	21.1	19.5	6.9	Ca. m. t. y n., Jl. m., r. m. y n.
-	-	-	23.0	23.0	23.0	21.1	19.4	12.5	Ca. m. y n., Cn. t., r. m.
-	-	-	23.1	23.1	23.0	21.0	19.4	14.2	Ca. t. y n., Cn. m.
-	-	-	23.2	23.3	23.3	21.1	19.4	15.6	Cn. n., Ca. m. y t., Ru. LL. n.
-	-	-	23.1	23.2	23.2	21.1	19.4	18.3	Cn. m. y t., Ca. n., r. n.
-	-	-	23.2	23.2	23.2	21.1	19.4	15.1	Ca. m. t. y n., r. m., B. t. y n.
-	-	-	23.2	23.2	23.4	21.1	19.4	18.4	Cn. m. y t., Ca. n., r. m., B. t.
-	-	-	23.4	23.4	23.4	21.1	19.4	14.1	Cn. m. t. y n., Ne. m.
-	-	-	23.5	23.5	23.4	21.1	19.4	12.5	Ca. m. y n., Cn. t., r. m., B. t. y n.
-	-	-	23.5	23.5	23.5	21.1	19.4	10.5	Ca. m. y n., Cn. t.
-	-	-	23.5	23.4	23.4	21.2	19.4	10.9	Ca. m. t. y n., Ns. m., B. n.
-	-	-	23.4	23.5	23.4	21.2	19.5	9.1	Ca. m. t. y n., r. m.
-	-	-	23.4	23.5	23.5	21.2	19.5	10.1	Ca. m. t. y n., r. m., B. t. y n.
-	-	-	23.5	23.5	23.5	21.2	19.5	13.6	Ca. m. t. y n., r. m.
-	-	-	23.5	23.5	23.5	21.3	19.5	12.6	Ca. m. t. y n., r. m.
-	-	-	23.5	23.6	23.6	21.3	19.8	12.0	Ca. m. t. y n.
-	-	-	23.6	23.6	23.6	21.3	19.8	16.6	Ca. m. t. y n., r. m.
-	-	-	23.7	23.7	23.7	21.4	19.6	15.6	Ca. m. t. y n., r. m.
-	-	-	23.7	23.7	23.7	21.5	19.6	14.6	Ca. m. t. y n., Ne. m., B. t.
-	-	-	23.8	23.9	23.9	21.5	19.6	15.1	Ca. m. t. y n., r. m., B. t., Ne. n.
-	-	-	24.0	24.3	24.2	21.5	19.6	18.6	Cn. m. t. y n, Ne. m. t. y n, Ru.CH.LL. m. y t.
-	-	-	24.0	24.0	24.0	21.7	19.6	15.1	Cn. m. t. y n., Ne. m. t. y n.
-	-	-	24.0	24.0	24.0	21.7	19.6	17.4	Cn. m. y t., Ca. n., r. m.
-	-	-	24.0	24.0	24.0	21.7	19.6	17.6	Ca. m. t. y n., r. m.
-	-	-	24.1	24.2	24.2	21.8	19.8	19.7	Cn. m., Ca. t. y n., r. m., R. n.
-	-	-	24.2	24.2	24.2	21.8	19.8	-	Cn. m. t. y n, r. m, Ru.Z. m, B. t, R. n.
-	-	-	24.4	24.4	24.4	21.8	19.8	20.1	Cn. m. t. y n., Ne. m. y t.
-	-	-	23.6	23.6	23.6	21.3	19.6	14.4	

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	58.4	64.8	10	8	51.4	5	19-20	23.4	29.4	17.8	33.1	5	13-14	11.1	2	6	9.3	13.5	69
2ª	58.5	64.3	11	8	50.8	19	19-20	23.1	30.1	18.9	34.4	19	14,15	13.1	14	5-6	12.1	13.2	92
3ª	55.1	60.4	23	11	48.2	28	19-20	26.8	31.4	21.9	36.0	21	14.15	20.0	23	6	7.2	12.9	56
MES	57.5	64.8	10	8	48.2	28	19-20	23.4	29.4	17.8	36.0	21	14,15	11.1	2	6	9.7	13.2	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	80	100	varios	42	5	14.3	19.5	8.5	N	12	60	1	28	6	1-2	45	N	6	1.13	14.0	14.0	5	5.7	5	23.00-24.00
2ª	72	100	varios	33	16	14.2	20.5	9.0	E	6	43	19	20	19	13-23 13-14	23	N	19	13.03	-	-	-	-	-	-
3ª	82	100	varios	31	21	19.9	25.5	14.0	N	8	60	27	28	21	11-12	36	N	21	10.37	70.7	65.3	22	16.3	22	14.00-14.45
MES	77	100	varios	31	21	16.0	25.5	8.5	N	9	60	11 27	28	6; 21	1-2 11-12	45	N	6	1.13	84.7	65.3	22	16.3	22	14.00-14.45

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	3	1	-	-	-	-	1	-	-	-	-	-	-	1	1	1
2ª	7	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
3ª	4	2	4	-	-	-	-	2	-	-	2	-	-	-	1	2	3
MES	17	9	6	-	1	-	-	3	-	-	2	-	-	-	2	3	4

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	7	-	-	-	-	-	-	-	-	-	-	4	-	-	8	-
2ª	6	-	-	-	-	-	-	-	-	-	-	3	-	-	10	-
3ª	5	-	-	-	-	-	-	-	-	-	-	-	1	-	8	2
MES	18	-	-	-	-	-	-	-	-	-	-	7	1	-	26	2

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VIII MARZO 1953 Nº 3

RESUMEN MENSUAL

El tiempo muy inestable que caracteriza los últimos días del mes anterior es también el rasgo característico de los primeros días del presente. La presión atmosférica se encuentra a un nivel muy bajo, al registrar en las horas iniciales del día 1°, el valor mínimo mensual con 749.3 mmHg. Durante los primeros cuatro días llueve con variada intensidad y hay muy poco brillo solar. Una masa de aire polar fresco y relativamente seco aclara el cielo el 5, para ceder de nuevo al aire tropical los días siguientes, con lo que prevalece con ligeras lluvias el tiempo caluroso y húmedo durante el 6 y 7. En este último día regístranse también los valores máximos mensuales de la temperatura y humedad absoluta con 33.3°C y 24.5 mmHg respectivamente. Debido al pasaje de un fuerte frente frío en la tarde del 7 y la afluencia de aire polar luego, los últimos días de la década resultan de buen tiempo.

Un frente de inestabilidad que es seguido por otro frío provoca lluvias en la noche del 11. Este aire de origen polar origina un brusco descenso de la temperatura la que por vez primera en lo que va del año es inferior a los 10.0°C. Durante una semana reina tiempo bueno con temperatura en continuo ascenso (el promedio diario aumenta de 14.6°C el 12 a 26.4°C el 17). Otro empuje de aire polar cambia, la tarde del 18, las condiciones térmicas (caída de 10.0°C en dos horas); llueve este día y el siguiente. Termina la década con tiempo bueno y seco (el mínimo mensual de la humedad relativa se registra el 20 con 36%), marcando la temperatura 4.0°C por debajo del valor normal.

Al formarse una depresión sobre el litoral, el tiempo empeora rápidamente durante el 22 y 23. Sin embargo se registran sólo ligeras lluvias. Al aire polar que predomina en los días siguientes acompaña tiempo bueno con presión atmosférica en continuo ascenso hasta alcanzar el máximo mensual con 764.7 mmHg el día 25. El mismo día bajan la temperatura y la humedad absoluta a sus valores mínimos mensuales con 7.7°C y 7.6 mmHg respectivamente. El tiempo bueno se mantiene hasta el 29 con ascenso de temperatura y humedad. En este día se forma una zona de inestabilidad sobre el Río de la Plata entre el límite de aire tropical húmedo y una masa de aire fresco que avanza desde la Patagonia. El cielo se cubre luego totalmente, lloviendo ligera e intermitentemente.

La frecuente perturbación del tiempo se refleja en la presión atmosférica por una desviación negativa de 0.7 mmHg y en la humedad absoluta por una positiva de 1.5 mmHg. A pesar de que las lluvias son poco más intensas que lo normal, la fuerte nubosidad sin embargo se manifiesta en un 10% menos de heliofanía.

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	124	138	- 41	28	- 28	62	-	48	239	207	$-\infty$	$\pm\infty$	$\pm\infty$	159	200
2	357	- 69	28	34	28	21	41	28	34	- 69	166	152	207	- 55	- 48
3	179	179	83	62	48	48	62	124	193	172	152	117	110	129	159
4	-	-	-	-	-	-	-	-	-	69	69	117	76	55	28
5	-	-	-	-	-	-	-	-	-	-	-	-	193	179	207
6	124	159	145	152	145	131	152	179	131	124	104	124	104	117	104
7	69	55	48	41	62	48	48	138	207	104	138	62	62	69	104
8	-	$\pm\infty$	$\pm\infty$	$-\infty$	21	48	110	179	138	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	83	117	124	145	159	172	179
10	90	69	34	28	41	69	97	97	69	76	76	90	97	124	145
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	69	69	83	76	83	104	145	110	110	138	131	117	117	104	90
13	138	117	104	83	104	104	186	213	226	213	226	207	193	213	207
14	131	117	131	124	138	110	166	131	55	104	145	152	138	124	124
15	90	83	97	62	76	76	97	172	138	172	193	186	179	172	159
16	-	-	-	-	-	-	110	110	97	110	124	179	193	213	246
17	138	110	55	34	34	41	76	104	90	117	97	117	97	110	90
18	97	69	69	76	76	62	48	55	41	83	83	28	83	-281	-193
19	-	-	-	-	62	83	62	28	14	-	-	∞	-	- 55	$\pm\infty$
20	90	83	90	83	48	34	21	28	55	152	272	259	207	179	179
21	97	138	166	166	193	186	117	233	339	297	186	179	166	186	207
22	117	124	117	117	104	90	41	179	239	172	193	207	193	124	21
23	-	-	-	-	-	-	-	-	-	97	110	124	131	117	110
24	97	97	97	90	83	104	117	138	-	-	-	-	-	-	138
25	-	-	-	-	-	-	-	207	179	179	179	159	152	138	138
26	-	-	-	-	-	-	⊥	-	-	-	152	152	159	124	104
27	62	69	83	76	131	76	55	97	-	-	-	-	-	-	-
28	55	69	69	90	124	131	124	138	152	90	90	76	83	104	117
29	76	62	55	83	104	152	213	131	145	138	172	117	104	104	97
30	152	138	152	152	117	131	138	172	172	246	200	186	159	117	83
31	104	104	62	97	69	110	166	110	90	117	117	104	117	83	110
Prom.	109.3	108.7	103.6	103.6	104.7	108.0	124.8	149.2	152.7	161.8	166.2	159.5	145.0	136.1	124.8

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	0.83	0.69	1.52	1.20	567	388	955	1.46	1.02	1.24
2	0.65	0.55	1.20	1.18	628	390	1018	1.61	0.72	0.99
3	0.63	0.58	1.21	1.09	560	297	857	1.89	0.79	1.36
4	0.94	0.80	1.74	1.17	556	436	992	1.27	1.18	1.28
5	0.71	0.63	1.34	1.17	484	369	853	1.31	1.03	1.20
6	0.71	0.63	1.34	1.17	260	366	626	0.71	1.91	1.20
7	1.22	1.23	2.45	0.99	484	606	1090	0.80	1.76	1.42
8	0.88	0.71	1.59	1.24	583	307	890	1.90	1.06	1.61
9	0.60	0.52	1.12	1.15	476	395	871	1.21	0.88	0.92
10	1.13	1.00	2.13	1.13	583	527	1110	1.11	1.35	1.33
11	0.78	0.80	1.58	0.98	473	466	939	1.01	1.15	1.20
12	0.89	0.78	1.67	1.14	652	726	1378	0.90	0.96	0.75
13	0.62	0.50	1.12	1.24	344	230	574	1.50	1.26	1.52
14	1.06	0.98	2.04	1.08	507	403	910	1.25	1.46	1.70
15	0.87	0.92	1.79	0.89	492	360	852	1.37	1.69	1.79
16	0.59	0.51	1.10	1.16	507	413	920	1.23	0.81	0.87
17	0.84	0.78	1.62	1.11	606	289	895	2.10	0.97	1.89
18	0.99	1.02	2.01	0.98	570	-	-	-	1.21	-
19	0.91	0.82	1.73	1.11	526	-	-	-	1.21	-
20	0.70	0.55	1.25	1.27	438	266	704	1.65	1.12	1.45
21	0.47	0.41	0.88	1.14	518	260	778	1.99	0.63	1.10
22	0.62	0.50	1.12	1.24	343	256	699	1.34	1.27	1.37
23	0.92	0.77	1.69	1.19	518	311	829	1.66	1.24	1.73
24	0.71	0.60	1.31	1.18	445	308	753	1.45	1.12	1.36
25	0.68	0.58	1.26	1.17	457	350	807	1.30	1.04	1.16
26	1.02	0.93	1.95	1.10	662	514	1176	1.29	1.08	1.27
27	0.85	0.80	1.65	1.06	481	364	845	1.32	1.24	1.53
28	0.58	0.51	1.09	1.14	307	222	529	1.38	1.32	1.60
29	0.77	0.67	1.44	1.15	446	267	713	1.66	1.21	1.75
30	0.71	0.63	1.34	1.13	289	217	506	1.33	1.71	2.03
31	0.55	0.46	1.01	1.20	1427	179	1606	7.96	0.27	1.80
Prom.	0.77	0.68	1.45	1.13	494	356	850	1.39	1.09	1.33

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	97	83	76	97	-∞	145	69	69		∞	-∞	-	3 *
159	246	226	239	220	213	193	124	138		733	-493	1226	2
152	138	110	69	- 28	∞	-	-	-		∞	-∞	-	3 *
55	55	83	83	104	104	83	55	21		179	00	179	0 *
200	179	159	110	138	104	41	34	69		246	00	246	0 *
117	110	117	159	145	117	124	76	76	126.5	213	28	185	0
150	-	-	-	-	-	-	-	-		272	- 7	279	1 *
-	-	-	-	-	-	-	-	-		∞	-∞	-	3 *
166	159	172	166	159	145	117	117	76		207	41	166	0 *
145	117	-	-	-	-	-	-	-		179	21	158	0 *
-	-	-	-	-	-	-	-	-		-	-	-	-
104	104	69	-	-	-	-	131	152		-	-	-	-
186	220	233	213	200	233	110	110	138	174.0	313	41	272	0
97	97	138	193	207	200	193	166	131	138.0	310	28	282	0
145	166	220	186	117	90	117	131	138	135.9	272	- 14	286	1
226	246	246	233	226	166	166	166	179		284	41	243	0 *
97	117	159	55	166	186	193	159	124	106.9	259	- 7	266	1
- 83	-124	193	90	-	-	-	-	-		∞	-∞	-	3 *
55	69	41	97	83	97	55	90	76		∞	-∞	-	3 *
166	138	131	166	166	69	239	166	117	130.8	391	00	391	0
226	246	284	239	207	48	48	172	145	186.3	426	00	426	0
- 14	21	104	83	131	90	152	124	90	117.4	316	- 34	350	1
117	117	124	124	110	124	90	83	90		145	41	104	0 *
124	124	104	69	-	-	-	-	-		179	21	158	0 *
145	186	207	179	48	124	159	197	117		322	00	322	0 *
110	76	104	124	124	90	90	48	55		207	21	186	0 *
-	-	-	104	62	34	34	48	55		357	-167	524	2 *
117	104	90	131	97	124	145	124	131	107.3	193	- 14	207	1
104	104	104	131	166	152	124	124	138	120.8	272	00	272	0
83	117	97	97	97	90	90	117	117	134.2	297	- 48	345	1
152	172	193	233	166	207	193	166	152	133.1	297	- 97	394	1
123.0	134.3	155.8	157.2	155.4	133.8	144.0	136.2	124.8	134.3				

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
5450	6614	12064	0.82	-	-
7176	8420	15596	0.85	-	-
6473	9081	15554	0.71	-	10,500
4174	4757	8931	0.88	-	15,000
8600	9222	17822	0.93	-	29,250
5983	7363	13346	0.81	5.66	32,000
2317	3775	6092	0.61	-	5,250
5418	7100	12518	0.76	-	-
7849	9298	17147	0.84	-	17,250
5570	6758	12328	0.82	-	8,000
5307	5299	10606	1.00	-	10,000
3627	4822	8449	0.75	-	13,250
9982	11587	21569	0.86	6.50	24,000
8334	9685	18019	0.86	9.40	14,250
6788	7929	14717	0.86	8.08	-
7834	9233	17067	0.85	-	16,500
8689	7568	16257	1.15	5.78	24,750
2773	4368	7141	0.63	-	40,750
2324	3586	5910	0.65	-	7,750
7000	8073	15073	0.87	5.46	43,750
1217	13404	14621	0.09	5.48	30,750
8074	8846	16920	0.91	4.38	16,750
3264	2915	6179	1.12	-	14,750
9642	11606	21248	0.83	-	10,500
8411	9308	17719	0.91	-	21,500
4112	4556	8668	0.90	-	18,250
8034	8600	16634	0.93	-	13,250
10093	11051	21144	0.91	3.91	43,750
9260	10748	20008	0.87	5.80	-
12299	13199	25498	0.93	6.00	20,250
9388	10730	20118	0.88	4.48	21,750
6952	8054	15006	0.86	5.91	19,510

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	0.84	0.80	0.62	0.80	0.74	0.67	0.82	0.56	0.61	0.66	0.58	0.72
2	1.07	0.88	0.65	0.86	0.83	0.58	0.44	0.47	0.67	0.54	0.53	0.68
3	0.48	0.54	0.47	0.46	0.42	0.40	0.35	0.51	0.44	0.77	0.86	0.97
4	-	-	-	-	-	-	-	-	-	0.77	0.71	1.04
5	1.18	1.29	1.32	1.35	1.27	1.34	0.95	0.90	0.80	0.58	0.52	0.52
6	-	-	-	-	-	-	-	0.59	0.66	0.74	0.69	0.71
7	1.18	1.18	1.39	1.30	1.24	1.42	1.30	0.95	-	-	-	-
8	2.18	1.74	1.54	1.34	1.08	0.94	0.97	1.07	0.97	0.92	0.77	0.69
9	0.75	0.68	0.49	0.47	0.46	0.41	0.41	0.50	0.84	0.70	0.66	0.69
10	1.08	1.28	1.51	1.37	1.46	1.30	1.24	1.09	1.15	1.00	0.94	0.98
11	-	-	-	-	-	-	-	-	0.07	0.56	0.62	0.59
12	1.03	0.97	0.86	1.25	1.08	1.06	0.88	0.82	0.96	0.77	0.77	0.86
13	0.72	0.57	0.64	0.54	0.54	0.61	0.55	0.46	0.61	0.74	0.72	0.62
14	-	-	-	-	-	-	-	0.90	0.97	0.93	0.97	1.08
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	0.74	0.71	0.71	0.67
17	0.92	1.18	1.23	1.29	1.11	1.19	1.08	1.10	0.97	0.82	0.76	0.70
18	0.90	1.14	1.27	1.26	1.24	1.27	1.10	1.10	0.98	0.80	0.61	0.65
19	0.62	1.08	1.13	1.11	1.07	1.04	0.82	0.97	0.95	0.87	0.88	0.93
20	0.96	0.94	1.00	0.94	0.76	0.68	0.61	0.63	0.80	0.62	0.56	0.65
21	0.37	0.39	0.40	0.35	0.35	0.44	0.58	0.56	0.44	0.45	0.52	0.50
22	0.48	0.41	0.55	0.60	0.49	0.52	0.54	0.56	0.70	0.74	0.68	0.59
23	0.80	0.78	0.69	0.81	1.03	1.12	1.06	0.87	0.91	0.90	0.96	0.94
24	0.91	0.90	1.02	1.07	0.98	0.82	0.80	0.71	0.95	0.66	0.63	0.68
25	0.42	0.60	0.52	0.56	0.60	0.57	0.76	0.64	0.84	0.79	0.69	0.79
26	0.92	1.15	1.07	1.17	0.99	1.09	1.02	0.92	1.04	1.04	0.94	1.12
27	-	-	-	-	-	-	-	-	1.16	1.06	1.26	1.20
28	0.86	0.79	0.87	0.66	0.66	0.61	0.61	0.44	0.44	0.55	0.61	0.66
29	0.56	0.71	0.76	0.62	0.53	0.52	0.44	0.64	0.94	0.94	0.66	0.94
30	0.81	0.79	0.68	0.92	0.84	1.11	0.92	0.70	0.37	0.37	0.50	0.55
31	0.62	0.66	0.61	0.52	0.66	0.79	0.71	0.67	0.63	0.57	0.57	0.57
Promedio	0.86	0.89	0.89	0.90	0.85	0.85	0.79	0.74	0.77	0.74	0.72	0.77

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	0.76	0.57	0.70	0.77	0.66	0.55	0.75	0.44	0.42	0.47	0.68	0.86
2	0.68	0.75	0.60	0.69	0.66	0.50	0.39	0.42	0.51	0.69	0.66	0.70
3	0.37	0.37	0.40	0.37	0.36	0.29	0.25	0.42	0.46	0.60	0.74	0.80
4	-	-	-	-	-	-	-	-	-	0.76	0.56	0.86
5	1.11	1.13	1.14	1.22	1.20	0.93	0.78	0.72	0.62	0.52	0.48	0.52
6	-	-	-	-	-	-	-	0.60	0.62	0.59	0.66	0.64
7	0.98	1.18	1.24	1.28	1.34	1.28	1.04	-	-	-	-	-
8	1.44	1.74	1.32	0.81	0.72	0.73	0.71	0.62	0.72	0.76	0.62	0.62
9	0.64	0.48	0.40	0.42	0.37	0.36	0.36	0.53	0.72	0.66	0.59	0.65
10	1.08	1.20	1.20	1.28	1.18	1.06	1.01	1.04	1.06	1.04	1.00	0.90
11	-	-	-	-	-	-	-	-	0.84	0.85	0.58	0.45
12	0.98	0.88	0.63	1.09	1.02	0.90	0.66	0.78	0.82	0.70	0.80	0.86
13	0.43	0.43	0.42	0.45	0.52	0.48	0.26	0.33	0.46	0.64	0.64	0.55
14	-	-	-	-	-	-	-	0.80	0.98	0.87	0.87	0.98
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	0.64	0.66	0.62	0.58
17	0.83	1.06	1.04	1.14	1.12	0.88	0.84	0.95	0.91	0.89	0.82	0.74
18	0.84	1.06	1.20	1.16	1.25	1.18	1.04	1.06	0.84	0.75	0.60	0.64
19	0.70	1.36	1.12	1.00	0.90	0.94	0.64	0.72	0.84	0.76	0.74	0.74
20	0.75	0.82	0.68	0.64	0.54	0.57	0.44	0.49	0.52	0.42	0.46	0.60
21	0.32	0.32	0.37	0.30	0.32	0.39	0.51	0.36	0.32	0.36	0.48	0.42
22	0.37	0.36	0.44	0.46	0.39	0.44	0.40	0.36	0.56	0.62	0.48	0.46
23	0.65	0.69	0.58	0.76	1.00	1.02	0.94	0.82	0.86	0.77	0.84	0.86
24	0.74	0.72	0.78	0.87	0.78	0.62	0.65	0.50	0.76	0.55	0.62	0.66
25	0.37	0.46	0.56	0.48	0.50	0.54	0.66	0.49	0.76	0.66	0.62	0.74
26	0.74	0.98	1.09	1.02	1.00	0.90	0.80	0.83	0.98	0.98	0.86	1.09
27	-	-	-	-	-	-	-	-	1.05	1.03	1.18	1.17
28	0.76	0.72	0.66	0.53	0.55	0.53	0.51	0.38	0.41	0.46	0.59	0.62
29	0.53	0.53	0.62	0.40	0.46	0.48	0.44	0.51	0.87	0.76	0.57	0.84
30	0.92	0.80	0.54	0.66	0.70	0.62	0.43	1.24	0.32	0.30	0.39	0.40
31	0.56	0.50	0.55	0.48	0.60	0.51	0.44	0.51	0.52	0.46	0.48	0.46
Promedio	0.73	0.80	0.76	0.76	0.76	0.70	0.62	0.64	0.69	0.68	0.63	0.70

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	1.05	1.06	1.06	1.12	1.16	1.06	0.90	0.62	0.86	0.95	0.66	0.83
0.58	0.38	0.32	0.56	0.60	0.79	0.70	0.77	0.86	0.72	0.58	0.46	0.65
0.94	0.87	0.74	0.78	0.80	0.52	0.55	0.60	0.61	0.50	0.96	-	0.63
0.99	1.04	1.07	1.07	1.00	0.98	0.94	0.66	0.63	0.61	0.69	0.94	0.94
0.50	0.31	0.31	0.28	0.54	0.52	0.40	0.45	0.42	0.47	0.37	0.46	0.71
0.86	0.88	0.72	0.68	0.59	0.53	0.58	0.56	0.58	0.68	0.89	1.19	0.71
1.58	1.92	1.20	1.18	1.00	1.00	1.25	1.34	1.15	0.85	0.50	1.39	1.22
0.68	0.70	0.69	0.45	0.45	0.50	0.47	0.58	0.59	0.60	0.63	0.64	0.88
0.67	0.63	0.60	0.73	0.66	0.53	0.45	0.36	0.46	0.54	0.72	1.02	0.60
0.98	0.87	0.68	1.01	1.25	-	-	-	-	-	-	-	1.13
0.93	0.94	1.04	1.04	0.88	0.99	0.66	0.70	0.72	0.89	0.88	0.96	0.78
0.92	0.95	0.96	0.97	0.95	1.06	0.91	0.63	0.56	0.69	0.68	0.69	0.89
0.62	0.56	0.66	0.72	0.80	0.72	0.48	0.44	-	-	-	-	0.62
1.16	1.20	1.12	1.19	1.20	0.98	-	-	-	-	-	-	1.06
-	1.10	0.76	0.70	0.93	-	-	-	-	-	-	-	0.87
0.72	0.71	0.69	0.76	0.54	0.55	0.46	0.48	0.45	0.38	0.40	0.43	0.59
0.70	0.74	0.98	0.98	0.92	0.69	0.55	0.50	0.34	0.44	0.44	0.66	0.84
0.68	0.84	1.19	0.82	0.98	1.56	0.76	0.61	0.50	1.36	1.32	1.11	0.99
0.76	0.71	0.58	1.16	1.00	0.88	1.01	0.89	0.70	0.74	1.01	0.92	0.91
0.73	0.73	0.75	0.72	0.73	0.95	0.67	0.50	0.56	0.47	0.47	0.44	0.70
0.53	0.54	0.64	0.70	0.57	0.54	0.40	0.38	0.42	0.42	0.45	0.49	0.47
0.48	0.46	0.48	0.65	0.76	0.95	0.90	0.74	0.69	0.65	0.69	0.62	0.52
0.95	1.02	0.91	0.88	1.01	0.88	0.84	0.93	0.84	0.94	0.92	0.93	0.92
0.71	0.70	0.76	0.77	0.72	0.87	0.40	0.33	0.38	0.43	0.40	0.35	0.71
0.87	0.96	1.06	1.00	0.69	0.67	0.46	0.40	0.42	0.43	0.46	0.95	0.68
1.15	1.13	1.14	1.08	1.15	1.03	0.60	0.60	-	-	-	-	1.02
1.20	1.10	1.23	0.96	0.92	0.63	0.46	0.37	0.38	0.44	0.57	0.58	0.85
0.59	0.71	0.71	0.67	0.60	0.47	0.44	0.37	0.37	0.37	0.37	0.48	0.58
1.10	1.19	1.20	1.08	0.87	0.67	0.65	0.80	0.56	0.62	0.61	0.84	0.77
0.57	0.77	0.96	0.88	0.84	0.58	0.80	0.59	0.67	0.64	0.58	0.67	0.71
0.48	0.65	0.66	0.53	0.43	0.50	0.39	0.36	0.40	0.45	0.40	0.44	0.55
0.82	0.85	0.83	0.84	0.82	0.78	0.65	0.60	0.57	0.63	0.64	0.74	0.77

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
0.82	0.78	0.79	0.84	0.87	0.94	0.57	0.66	0.59	0.63	0.34	0.54	0.69
0.46	0.57	0.39	0.46	0.52	0.58	0.51	0.60	0.64	0.56	0.38	0.36	0.55
0.82	0.78	0.64	0.66	0.66	0.46	0.44	0.48	0.44	1.18	1.24	-	0.59
1.02	0.94	1.06	0.97	0.95	0.93	0.80	0.57	0.58	0.55	0.55	0.84	0.80
0.55	0.25	0.33	0.28	0.55	0.50	0.36	0.40	0.37	0.32	0.34	0.60	0.63
0.77	0.80	0.65	0.62	0.53	0.48	0.46	0.48	0.48	0.62	0.79	0.97	0.63
1.52	1.46	1.00	0.90	0.70	0.92	1.36	1.19	1.21	1.73	1.36	1.70	1.23
0.66	0.72	0.65	0.42	0.37	0.44	0.44	0.48	0.48	0.50	0.53	-	0.75
0.60	0.58	0.58	0.64	0.58	0.42	0.39	0.30	0.39	0.46	0.66	0.71	0.53
0.93	0.69	0.56	0.80	0.97	-	-	-	-	-	-	-	1.00
0.86	0.90	1.01	0.96	0.87	0.89	0.60	0.62	0.69	0.88	0.89	0.98	0.86
0.90	0.90	1.00	0.95	0.93	0.98	0.70	0.46	0.37	0.40	0.51	0.48	0.77
0.55	0.55	0.62	0.62	0.70	0.62	0.34	0.34	-	-	-	-	0.53
1.10	1.18	1.05	1.02	1.00	-	-	-	-	-	-	-	1.02
-	0.80	0.76	0.80	1.30	-	-	-	-	-	-	-	0.98
0.64	0.62	0.58	0.60	0.46	0.46	0.37	0.41	0.39	0.34	0.34	0.40	0.51
0.70	0.82	0.94	0.97	0.82	0.55	0.55	0.46	0.37	0.39	0.41	0.58	0.69
0.64	1.33	1.26	0.96	1.14	1.66	0.51	0.76	1.10	1.25	1.06	1.19	1.09
1.00	1.31	0.78	1.05	0.76	0.75	0.68	0.60	0.49	0.53	0.74	0.64	0.93
0.69	0.68	0.65	0.60	0.65	0.78	0.40	0.34	0.44	0.36	0.29	0.34	0.55
0.48	0.48	0.62	0.64	0.48	0.42	0.32	0.36	0.40	0.37	0.39	0.36	0.43
0.40	0.51	0.50	0.64	0.77	0.82	0.60	0.53	0.51	0.42	0.53	0.47	0.56
0.86	0.89	0.77	0.76	0.86	0.68	0.56	0.53	0.48	0.72	0.72	0.80	0.77
0.57	0.69	0.69	0.74	0.69	0.68	0.32	0.29	0.40	0.40	0.37	0.32	0.60
0.78	0.82	0.98	0.93	0.58	0.60	0.33	0.37	0.37	0.40	0.37	0.46	0.58
1.21	1.07	1.06	1.09	1.07	0.80	0.52	0.46	-	-	-	-	0.93
1.12	1.12	1.18	0.96	0.82	0.48	0.39	0.35	0.39	0.40	0.50	0.62	0.80
0.56	0.65	0.62	0.64	0.57	0.44	0.39	0.34	0.32	0.32	0.37	0.41	0.51
0.96	1.05	0.94	0.94	0.69	0.48	0.47	0.62	0.48	0.53	0.66	1.02	0.67
0.46	0.73	0.80	0.73	0.71	0.53	1.16	0.60	0.55	0.51	0.40	0.43	0.63
0.44	0.60	0.60	0.48	0.37	0.44	0.37	0.29	0.30	0.44	0.32	0.40	0.46
0.77	0.82	0.78	0.76	0.74	0.77	0.53	0.50	0.51	0.53	0.47	0.56	0.68

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	521	478	521	434	393	434	521	521	521	347	434
2	868	521	521	608	608	521	707	782	707	347	521	782
3	434	521	260	174	347	347	434	782	608	608	608	608
4	782	521	782	955	434	434	347	521	434	608	707	707
5	707	707	782	782	782	782	608	868	782	521	390	347
6	174	260	347	434	434	434	521	347	86	86	86	86
7	347	608	707	608	608	521	434	304	260	174	304	260
8	1115	868	782	868	707	707	608	782	955	782	608	521
9	521	434	260	260	260	260	260	521	608	707	608	707
10	782	782	782	782	782	782	782	868	955	868	782	782
11	260	174	434	484	434	434	434	347	347	707	521	434
12	608	707	707	868	782	782	608	868	1035	955	707	868
13	434	347	260	260	260	347	347	347	434	707	608	434
14	174	260	174	260	174	260	521	782	782	868	782	868
15	434	347	260	434	521	434	608	782	707	521	434	434
16	521	955	782	782	707	608	521	608	608	521	521	434
17	707	707	707	707	782	608	608	707	-	-	-	-
18	608	707	707	707	707	608	521	521	434	347	260	174
19	608	434	608	707	608	608	707	608	521	434	347	390
20	521	521	521	521	347	434	347	434	434	521	434	-
21	174	-	-	-	-	-	-	260	174	174	347	434
22	260	260	347	260	260	260	260	260	434	608	608	521
23	347	434	-	434	608	608	521	521	434	521	521	608
24	434	434	521	521	434	434	434	434	955	707	521	608
25	260	260	174	174	260	260	434	347	868	707	707	782
26	521	608	707	707	608	608	608	608	782	955	955	1035
27	347	347	347	260	260	347	347	608	955	1115	782	782
28	434	347	347	260	260	260	260	260	260	347	347	347
29	347	347	434	260	260	347	260	521	707	707	608	782
30	260	347	260	347	434	347	347	434	260	174	260	260
31	608	1115	2208	1755	1434	1275	1595	-	-	-	-	-
Promedio	488	513	559	557	518	502	514	552	588	580	525	551

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	150	526	451	564	526	676	226	75	75	338	1250
2	590	547	376	451	526	339	494	526	312	752	376	376
3	75	75	-	-	-	-	-	-	-	376	451	451
4	-	-	-	963	-	-	602	376	-	226	376	676
5	451	526	526	526	451	451	419	676	676	451	376	226
6	75	75	75	75	75	150	226	312	376	602	526	676
7	526	676	676	714	828	1052	526	226	150	312	312	676
8	-	976	526	150	75	150	113	451	602	451	376	376
9	226	150	75	150	150	150	263	602	790	752	676	676
10	526	602	602	602	602	602	602	976	1120	976	828	676
11	376	526	489	602	226	376	752	895	905	602	376	150
12	451	526	526	752	676	602	451	828	1188	1082	828	905
13	-	-	150	150	150	226	150	150	226	526	526	312
14	150	150	150	226	150	226	226	789	905	905	752	752
15	226	226	150	226	226	226	226	457	676	526	376	376
16	312	526	376	376	376	312	312	526	602	-	-	-
17	-	-	-	-	-	-	-	-	-	376	312	312
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	451
21	-	-	-	-	-	-	150	150	150	312	451	451
22	150	150	150	150	150	150	-	-	451	526	376	226
23	150	150	-	226	376	376	376	-	376	376	376	376
24	226	150	226	226	150	150	150	226	752	676	451	526
25	75	150	-	226	150	150	150	226	905	752	676	676
26	312	376	451	376	376	376	376	602	976	1120	1052	976
27	150	226	226	226	150	150	150	226	752	1120	752	676
28	150	226	150	226	150	150	226	150	226	312	312	312
29	150	150	226	150	150	150	150	226	376	526	451	526
30	226	150	150	150	312	226	312	150	150	150	75	75
31	226	312	226	226	150	75	75	150	150	150	150	150
Promedio	262	324	319	344	300	306	326	422	555	556	479	510

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
868	782	782	782	608	608	434	521	489	782	707	608	567
868	608	608	955	707	707	608	608	608	521	347	434	628
521	521	434	521	434	347	521	521	-	1035	1115	1194	560
-	608	521	608	608	608	521	347	347	347	434	608	556
260	260	347	434	434	434	347	260	260	174	174	174	484
434	521	347	174	260	260	417	00	86	86	174	260	260
304	260	260	347	347	608	782	608	521	727	1115	608	484
521	521	434	260	260	347	347	347	347	434	434	434	583
707	608	608	707	521	434	260	260	347	347	521	707	476
707	521	347	347	434	434	347	174	174	260	260	260	583
707	782	608	521	521	521	434	434	434	434	434	521	473
782	707	608	707	608	608	434	312	260	347	434	347	652
260	260	260	260	434	434	347	260	260	260	260	174	344
868	868	868	707	608	434	260	260	260	260	434	434	507
521	608	782	608	608	521	347	347	347	347	434	434	492
521	521	521	434	434	434	347	260	260	260	260	347	507
-	-	-	-	-	-	-	-	-	260	347	521	606
260	608	955	782	707	868	521	434	608	434	434	782	570
434	260	608	390	608	608	521	521	434	521	608	521	526
521	608	608	608	608	521	347	260	260	260	260	174	438
521	434	608	608	434	260	260	260	174	260	174	174	518
347	260	260	260	260	347	434	-	-	347	347	347	343
707	608	608	608	707	521	521	347	434	434	434	434	518
608	521	521	521	434	347	260	260	174	174	174	260	445
782	782	782	608	521	521	347	260	260	260	260	347	457
1035	955	782	782	782	608	434	347	347	347	434	347	662
782	782	707	608	434	260	260	260	174	260	260	260	481
434	434	434	434	347	260	260	260	174	174	174	260	307
782	782	608	521	434	347	347	260	260	260	260	260	446
347	434	347	174	174	260	86	86	86	86	521	608	289
-	-	-	-	-	-	-	-	-	-	-	-	1427
586	566	557	527	492	464	391	324	311	357	407	428	494

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
608	344	150	312	312	226	226	150	905	312	312	376	388
451	976	602	312	226	226	150	150	226	150	150	75	390
376	376	376	312	376	226	312	150	226	-	-	-	297
602	451	451	451	451	451	376	312	226	312	226	312	436
150	226	312	451	526	451	312	150	150	150	75	150	369
828	782	602	451	451	376	312	226	226	376	376	526	366
676	602	526	376	376	644	905	602	752	1138	-	-	606
376	312	226	226	226	312	226	226	226	75	150	226	307
676	602	676	526	376	226	150	226	226	312	376	451	395
526	414	226	226	376	312	226	226	226	226	494	451	527
602	676	526	376	376	376	226	226	312	376	376	451	466
676	676	-	-	-	-	-	-	-	-	-	-	726
226	226	150	150	312	226	226	226	226	150	226	150	230
905	752	602	451	226	150	226	150	150	150	226	312	403
451	451	602	521	451	451	312	226	312	312	312	312	360
-	-	-	-	-	-	-	-	-	-	-	-	413
376	376	312	150	226	226	226	-	-	-	-	-	239
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
451	451	451	376	226	226	150	150	150	150	150	75	226
376	526	376	312	226	226	226	150	150	150	150	150	260
226	226	312	312	312	226	-	-	-	-	-	-	256
526	526	526	526	451	226	75	75	150	150	226	226	311
526	451	451	376	312	150	75	150	226	226	-	226	308
676	676	526	376	376	312	150	226	150	150	150	150	350
976	828	676	602	602	312	150	150	150	150	226	150	514
676	602	526	376	312	150	150	226	226	226	226	226	364
312	312	376	312	312	226	226	150	75	150	150	150	222
526	526	312	226	150	75	226	226	226	226	226	226	267
75	312	312	226	226	226	494	376	226	150	226	226	217
150	312	226	226	226	226	150	150	150	150	150	150	179
500	500	423	353	334	276	249	211	251	249	235	250	356

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	2690	5380	7180	4490	5380	4490	6295	11690	8950	7180	8060	7180
2	898	3585	5380	2690	4490	6295	10770	10770	3585	5380	15250	17050
3	8060	6295	6295	6295	6295	7180	12590	11690	17950	2690	2690	898
4	898	898	3585	898	4490	8060	9860	16130	11690	3585	2690	-
5	898	898	9860	898	898	1795	3585	2690	4490	8060	9860	13430
6	16130	16130	6295	4490	7180	6295	3585	3585	4490	3585	4490	4490
7	1795	898	898	898	898	898	2690	7180	8060	2690	2690	2690
8	898	898	898	898	1795	1795	2690	2690	3585	3585	4490	6295
9	4490	5380	8950	8950	12590	15250	15250	17950	1795	4490	3585	3585
10	1795	898	898	898	898	898	1795	1795	1795	1795	2690	2690
11	2690	4490	2690	4490	8950	8950	27800	9860	12590	2690	2690	2690
12	1795	1795	1795	898	898	898	1795	2690	1795	4490	4490	3585
13	6295	6295	6295	8060	8060	8950	8060	11690	7180	4490	6295	8950
14	15250	15250	15250	13430	15250	-	17050	3585	2690	3585	4490	4490
15	5380	6295	6295	4490	5380	4490	5380	5380	4490	10770	9860	9860
16	4490	2690	1795	1795	2690	2690	4490	3585	4490	-	8060	8950
17	3585	-	2690	-	2690	-	3585	-	-	-	-	-
18	-	2690	2690	2690	2690	1795	-	2690	4490	-	-	2690
19	1795	8060	898	898	1795	1795	1795	2690	1795	2690	2690	2690
20	2690	2690	1795	1795	-	2690	5380	4490	4490	6295	-	-
21	15250	-	-	-	-	-	-	13430	-	-	7180	8060
22	11690	11690	8060	8060	9860	9860	10770	10770	5380	5380	8060	8060
23	6295	3585	-	1795	1795	6295	1795	-	3585	3585	2690	1795
24	-	-	-	-	-	-	-	-	-	-	-	9860
25	15250	-	-	-	-	-	-	-	4490	-	4490	-
26	4490	3585	3585	2690	2690	3585	2690	3585	2690	3585	3585	1795
27	8060	7180	5380	8060	8950	9860	8950	9860	5380	4490	3585	3585
28	6295	7180	8060	6295	8060	8060	8950	17950	21520	7180	8060	6295
29	6295	5380	6295	6295	8060	9860	13430	8060	4490	5380	9860	4490
30	17950	12590	10770	10770	14350	16130	23360	20700	35000	22400	13430	9860
31	7180	11690	11690	9860	7180	6295	7180	6295	7180	8060	7180	7180
Promedio	6251	5718	5417	4584	5713	5968	8206	8277	7147	5524	6044	6044

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	4490	15250	6295	4490	6295	8060	8060	12590	13430	8950	4490	8060
2	6295	4490	5380	3585	4490	9860	13430	11690	4490	11690	20700	12590
3	9860	7180	8060	7180	8060	10770	15250	15250	15250	4490	3585	2690
4	2690	2690	4490	898	1795	2690	13430	17050	9860	3585	3585	-
5	2690	1795	1795	1795	1795	2690	2690	3585	6295	9860	12590	15250
6	17950	15250	6295	6295	8060	7180	4490	6295	5380	4490	4490	8060
7	3585	2690	2690	2690	2690	2690	4490	6295	5380	4490	5380	4490
8	1795	2690	2690	2690	3585	3585	3585	2690	3585	6295	8060	8060
9	6295	7180	12590	10770	17050	18870	20350	8060	4490	4490	4490	6295
10	2690	2690	898	1795	1795	2690	2690	2690	2690	3585	3585	4490
11	4490	6295	7180	5380	9860	14350	11690	5380	3585	4490	3585	3585
12	3585	2690	1795	1795	2690	2690	3585	3585	3585	6295	5380	4490
13	7180	7180	8060	8950	9860	11690	13430	10770	6295	4490	9860	11690
14	17950	18870	16130	16130	15250	17050	6295	3585	4490	4490	5380	4490
15	6295	6295	6295	5380	5380	6295	6295	6295	6295	11690	11690	9860
16	5380	2690	2690	3585	2690	4490	6295	5380	6295	8950	10770	10770
17	2690	2690	2690	2690	4490	4490	4490	-	3585	4490	4490	4490
18	4490	3585	2690	3585	3585	3585	4490	4490	4490	5380	5380	4490
19	8060	3585	1795	2690	1795	2690	2690	2690	2690	2690	3585	8950
20	4490	3585	3585	2690	3585	4490	6295	5380	6295	8060	-	-
21	17050	-	-	-	-	-	-	18870	-	-	8060	8950
22	12590	12590	8060	8950	11690	11690	11690	9860	6295	5380	8060	8950
23	4490	4490	-	2690	2690	2690	2690	-	2690	2690	2690	2690
24	-	-	-	-	-	-	-	-	4490	9860	10770	10770
25	14350	12590	10770	8060	9860	9860	11690	9860	5380	5380	5380	4490
26	4490	3585	2690	2690	2690	4490	4490	3585	3585	2690	3585	2690
27	8060	6295	8060	8950	9860	8950	9860	7180	4490	4490	3585	3585
28	7180	7180	8060	8060	8060	8060	10770	21520	17950	8060	8950	7180
29	6295	7180	6295	8060	9860	13430	14350	6295	6295	8060	8060	11690
30	16130	11690	11690	14350	17050	18870	23360	22400	26900	17050	10770	10770
31	8950	15250	11690	11690	8950	7180	6295	7180	9860	8950	9860	8950
Promedio	7418	6904	6122	5812	6742	7797	8594	8589	6880	6519	7028	7362

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	2690	1795	1795	2690	2690	8060	8060	7180	5380	4490	4490	5450
8950	10770	13430	11690	8950	2690	3585	3585	2690	4490	5380	9860	7176
1795	1795	6295	5380	3585	8950	1795	11690	17050	1795	898	898	6473
898	898	898	1795	1795	1795	2690	4490	6295	5380	3585	2690	4174
16130	17050	15250	10770	8060	8060	9860	11690	11690	12590	12590	15250	8600
4490	4490	7180	5380	6295	7180	6295	7180	7180	2690	2690	1795	5983
1795	2690	1795	1795	2690	4490	898	898	1795	898	2690	898	2317
7180	8060	8060	13430	10770	8060	6295	7180	7180	8060	8060	7180	5418
5380	5380	6295	5380	4490	8060	13430	12590	9860	7180	5380	2690	7849
3585	4490	10770	9860	7180	7180	9860	17050	17950	16130	6295	4490	5570
1795	2690	1795	898	2690	2690	4490	5380	4490	4490	2690	2690	5307
3585	3585	2690	3585	2690	2690	8585	6295	11690	5380	8060	6295	3627
12590	12590	12590	9860	7180	7180	9860	13430	17050	15250	16130	15250	9882
2690	2690	2690	3585	3585	5380	7180	13430	15250	11690	8060	5380	8334
8060	6295	2690	4490	5380	10770	8960	11690	–	7180	7180	5380	6788
8060	–	–	–	–	9860	9860	14350	15250	14350	14350	17050	7834
3585	3585	–	–	2690	–	0770	15250	21520	22400	13430	7180	8689
–	–	–	–	–	1795	–	–	–	–	1795	4490	2773
898	1795	1795	898	1795	2690	3590	2690	–	–	3585	2690	2324
8950	8060	6295	8060	7180	6295	9860	11690	13430	–	13430	14350	7000
8060	8060	6295	5380	9860	12590	18870	25150	17050	14350	13430	11690	1217
10770	–	8060	7180	4490	2690	–	–	–	7180	7180	6295	9074
2690	–	–	–	–	–	–	–	–	–	–	–	3264
12590	8060	8060	–	–	–	–	–	–	–	–	–	9642
4490	4490	4490	2690	8060	8060	8060	13430	14350	10770	11690	9860	8411
2690	2690	2690	2690	2690	4490	6295	8060	8060	6295	7180	6295	4112
3585	3585	4490	5380	5380	8060	12590	9860	18870	17050	9860	10770	8034
5380	4490	4490	5380	6295	11690	9860	15250	14350	15250	17050	12590	10093
4490	3585	4490	4490	6295	8950	10770	17050	20350	17950	13870	17050	9260
8060	4490	4490	4490	3585	11690	6295	7180	8950	7180	8950	–	12299
8950	5380	5380	7180	12590	15250	15250	13430	11690	9860	11690	11690	9388
5829	5349	5750	5520	5516	6856	8804	10668	12049	9662	8506	7758	6952

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	3585	2690	3585	2690	7180	6295	6295	7180	5380	5380	6614
10770	10770	12590	11690	6295	4490	4490	3585	5380	4490	8060	10770	8420
2690	4490	9860	6295	9860	9860	8050	13430	38600	2690	1795	1795	9081
1795	1795	2690	2690	2690	3585	4490	6295	8060	5380	4490	2690	4757
20350	17050	13430	8060	8060	8950	12590	11690	12590	13430	14350	17950	9222
5380	6295	5380	9860	8060	8060	10770	8060	8950	4490	4490	2690	7363
3585	2690	2690	4490	4490	2690	2690	3585	3585	8060	2690	1795	3775
9860	9860	11690	15250	11690	8950	8060	8060	10770	8950	10770	7180	7100
6295	8060	7180	6295	8060	10770	9860	13430	9860	8950	4490	3585	9298
4490	8060	12590	11690	6295	8950	13430	20350	20700	12590	5380	5380	6758
3585	3585	2690	2690	2690	3585	6295	6295	5380	4490	3585	2442	5299
5380	4490	4490	3585	4490	3585	6295	10770	8060	8060	7180	7180	4822
15250	13430	12590	9860	7180	8950	13430	18870	17950	16130	17950	17050	11587
2690	3585	3585	3585	4490	9860	11690	17050	15250	16130	6295	6295	9685
8950	7180	4490	6295	8950	9860	11690	12590	9860	8060	7180	7180	7929
7180	8950	10770	9860	12590	11690	13430	17050	17050	16130	17050	9860	9233
4490	4490	3585	3585	5380	11690	15250	18870	24400	21520	13430	6295	7568
4490	2690	2690	2690	1795	2690	5380	8060	9860	–	6295	3585	4368
2690	3585	5380	2690	2690	7180	8960	4490	–	–	4490	3585	3586
9860	8060	8060	8060	7180	6295	9860	12590	14350	15250	15250	16130	8073
8950	9860	6295	6295	11690	17050	11690	22400	17050	8270	12590	12590	13404
11690	10770	8060	8060	4490	3585	–	–	–	8060	8060	7180	8846
2690	1795	–	–	–	–	–	–	–	–	–	–	2915
9860	8950	7180	7180	8060	8060	14350	17050	17950	18870	15250	17050	11606
4490	5380	4490	3585	8060	8060	12590	15250	14350	14350	12590	7180	9308
2690	2690	2690	2690	2690	3585	4490	8950	8950	8950	6295	8060	4556
4490	4490	5380	6295	8060	11690	11690	14350	17950	15250	12590	11690	8600
5380	4490	4490	6295	8060	8950	11690	17950	17050	16130	13430	11690	11051
4490	5380	4490	4490	8060	8950	14350	20700	20350	18870	14350	10703	10748
8060	7180	8950	6295	8870	11690	15250	11690	9860	8060	9860	8060	13199
8950	4490	6295	11690	11690	12590	13430	13430	11690	11690	13430	13137	10730
6645	6393	6611	6493	7208	8398	10314	12524	13577	11779	10703	8595	8054

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	6.0	9.1	9.1	7.6	13.6	9.1	6.0	3.0	3.0	7.6	7.6	9.1	12.1
2	4.5	7.6	13.6	10.6	18.1	12.1	6.0	- 3.2	9.1	16.6	9.1	21.2	22.7
3	6.0	4.5	12.1	13.6	12.1	6.0	10.0	12.8	17.0	23.8	10.6	9.1	6.0
4	-	-	-	-	-	-	-	-	-	-	-	-	3.0
5	- 1.6	- 1.6	- 1.6	- 1.6	- 1.6	- 6.4	- 8.0	- 8.0	- 4.8	3.0	1.5	4.5	- 1.6
6	- 3.2	- 3.2	- 3.2	- 3.2	- 1.6	7.6	-12.7	-14.3	- 9.5	- 3.2	- 3.2	- 1.6	1.5
7	- 6.4	- 3.2	- 3.8	- 6.4	- 9.5	- 8.0	- 9.5	-11.1	-12.7	- 8.0	- 1.6	- 1.6	- 3.2
8	6.0	4.5	3.0	1.5	- 3.2	- 4.8	- 4.8	- 8.0	- 8.0	- 3.2	- 4.8	1.5	- 9.5
9	- 3.2	4.5	3.0	- 3.2	- 6.4	- 6.4	- 6.4	-11.1	- 6.4	- 6.4	-11.1	- 8.0	- 4.8
10	6.0	6.0	3.0	1.5	- 1.6	- 3.2	- 6.4	- 8.0	- 1.6	1.5	- 1.6	4.5	1.5
11	3.0	9.1	9.1	9.1	6.0	1.5	- 4.8	- 3.2	3.0	3.0	1.5	9.1	9.1
12	6.0	9.1	6.0	7.6	9.1	3.0	1.5	- 4.8	3.0	6.0	3.0	6.0	7.6
13	9.1	12.1	6.0	6.0	4.5	3.0	- 3.2	- 4.8	- 3.2	3.0	3.0	10.6	6.0
14	4.5	7.6	6.0	7.6	7.6	6.0	3.0	- 3.2	- 1.6	3.0	10.6	12.1	15.1
15	9.1	9.1	9.1	7.6	7.6	6.0	6.0	- 3.2	4.5	10.6	12.1	12.1	9.1
16	7.6	9.1	9.1	12.1	10.6	6.0	3.0	- 3.2	1.5	7.6	10.6	16.6	7.6
17	9.1	7.6	9.1	6.0	10.6	6.0	4.5	1.5	4.5	9.1	9.1	15.1	15.1
18	-	-	-	-	-	-	-	4.5	6.0	12.1	12.1	15.1	18.1
19	24.2	19.7	18.1	15.1	15.1	6.0	4.5	- 4.8	1.5	9.1	10.6	12.1	13.6
20	13.6	13.6	10.6	7.6	12.1	7.6	6.0	1.5	6.0	9.1	9.1	16.6	15.1
21	13.6	7.6	9.1	9.1	9.1	9.1	10.6	1.5	3.0	6.0	9.1	12.1	12.1
22	13.6	13.6	9.1	6.0	10.6	6.0	6.0	4.5	3.0	9.1	6.0	12.1	10.6
23	7.6	15.1	13.6	12.1	13.6	6.0	4.5	3.0	3.0	9.1	10.6	7.6	10.6
24	13.6	15.1	10.6	16.6	10.6	12.1	3.0	1.5	9.1	12.1	9.1	12.1	9.1
25	9.1	10.6	15.1	13.6	13.6	4.5	3.0	4.5	4.5	9.1	6.0	12.1	12.1
26	12.1	13.6	12.1	12.1	10.6	4.5	3.0	- 1.6	12.1	10.6	10.6	13.6	12.1
27	15.1	13.6	10.6	9.1	10.6	6.0	4.5	- 1.6	7.6	12.1	12.1	15.1	12.1
28	9.1	15.1	15.1	3.0	12.1	4.5	3.0	- 1.6	4.5	6.0	9.1	13.6	3.0
29	9.1	13.6	10.6	9.1	9.1	9.1	9.1	9.1	6.0	10.6	13.6	15.1	9.1
30	15.1	10.6	9.1	12.1	7.6	3.0	1.5	- 1.6	4.5	9.1	10.6	13.6	10.6
31	13.6	10.6	10.6	10.6	12.1	7.6	1.5	1.5	3.0	10.6	9.1	10.6	9.1
Prom	8.0	9.1	8.4	7.3	7.7	4.2	1.5	- 1.6	2.4	7.0	6.5	10.0	8.2
Var.	2.9	4.0	3.3	2.2	2.6	- 0.9	- 3.6	- 6.7	- 2.7	1.9	1.4	4.9	3.1

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	-28.4	-29.8	-24.1	-27.0	-24.1	-25.6	-21.3	-25.6	-24.1	-21.3	-24.1	-22.7	-22.7
2	-24.1	-36.9	-	-	-27.0	-27.0	-24.1	-21.3	-19.9	-19.9	-21.3	-21.3	-27.0
3	-21.3	-24.1	-24.1	-41.2	-29.8	-32.7	-28.4	-32.7	-54.0	-55.4	-46.9	-31.2	-34.1
4	-31.2	-29.8	-25.6	-34.1	-36.9	-36.9	-35.5	-34.1	-34.1	-32.7	-29.8	-	-32.7
5	-27.0	-27.0	-22.7	-32.7	-34.1	-32.7	-29.8	-29.8	-28.4	-28.4	-32.7	-35.5	-29.8
6	-18.5	-24.1	-19.9	-29.8	-28.4	-28.4	-25.6	-24.1	-24.1	-24.1	-24.1	-28.4	-28.4
7	-17.0	-19.9	-18.5	-25.6	-22.7	-24.1	-18.5	-14.2	-17.0	-21.3	-21.3	-21.3	-28.4
8	-15.6	-24.1	-17.0	-22.7	-25.6	-22.7	-21.3	-22.7	-25.6	-24.1	-25.6	-24.1	-25.6
9	-22.7	-25.6	-18.5	-28.4	-25.6	-22.7	-19.9	-21.3	-18.5	-18.5	-21.3	-19.9	-21.3
10	-11.4	-14.2	-14.2	-28.4	-27.0	-25.6	-22.7	-18.5	-17.0	-17.0	-19.9	-18.5	-18.5
11	-14.2	-17.0	- 9.9	-18.5	-21.3	-18.5	-11.4	-14.2	-14.2	-14.2	-21.3	-18.5	-21.3
12	-17.0	-19.9	-15.6	-22.7	-22.7	-22.7	-21.3	-19.9	-21.3	-19.9	-22.7	-21.3	-24.1
13	-14.2	-18.5	-14.2	-27.0	-22.7	-25.6	-21.3	-19.9	-19.9	-21.3	-21.3	-19.9	-19.9
14	-12.8	-17.0	-11.4	-19.9	-19.9	-17.0	-14.2	-14.2	-15.6	-19.9	-17.0	-19.9	-15.5
15	-11.4	-14.2	-14.2	-19.9	-15.6	-14.2	-14.2	-15.6	-14.2	-14.2	-18.5	-18.5	-18.5
16	- 9.9	-14.2	- 9.9	-19.9	-21.3	-17.0	-11.4	-12.8	-14.2	-14.2	-14.2	-14.2	-18.5
17	- 9.9	-12.8	- 9.9	-17.0	-17.0	-18.5	-19.9	-15.6	-11.4	-18.5	-15.6	-15.6	-14.2
18	-	-	-	-	-	-	-	-18.5	-17.0	-17.0	-15.6	-17.0	-17.0
19	- 7.1	-12.8	- 6.0	-21.3	-18.1	-32.7	-25.6	-22.7	-22.7	-25.6	-24.1	-24.1	-22.7
20	-17.0	-21.3	-18.5	-31.2	-27.0	-28.4	-25.6	-25.6	-21.3	-24.8	-28.4	-27.0	-28.4
21	-17.0	-22.7	-18.5	-31.2	-24.1	-24.1	-22.7	-15.6	-18.5	-21.3	-25.6	-25.6	-29.8
22	-17.0	-18.5	-14.2	-17.0	-14.2	-17.0	-17.0	-14.2	-17.0	-19.9	-18.5	-19.9	-19.9
23	-11.4	-11.4	-11.4	-21.3	-19.9	-17.0	-14.2	- 8.5	-15.6	-14.2	-15.6	-17.0	-17.0
24	-11.4	-15.6	-14.2	-25.6	-19.9	-25.6	-19.9	-15.6	-21.3	-22.7	-24.1	-22.7	-22.7
25	-11.4	-14.2	-11.4	-19.9	-21.3	-19.9	-19.9	-15.6	-15.6	-17.0	-17.0	-17.0	-17.0
26	-11.4	-17.0	-11.4	-19.9	-19.9	-19.9	-17.0	-11.4	-11.4	-14.2	-14.2	-14.2	-14.2
27	- 8.6	-11.4	- 8.5	-18.5	-17.0	-18.5	-14.2	-15.7	-11.4	-12.8	-14.2	-14.2	-17.0
28	- 9.9	-14.2	- 9.9	-17.0	-18.5	-15.6	-11.4	- 9.9	- 9.9	- 9.9	-15.6	-17.0	19.9
29	- 8.5	-11.4	- 7.1	-11.4	-12.8	-12.8	- 9.9	- 7.1	-14.2	-14.2	-11.4	-14.2	-17.0
30	- 9.9	-11.4	- 7.1	-18.5	-17.0	-17.0	-11.4	-11.4	- 8.5	- 8.5	-14.2	-17.0	-17.0
31	- 8.5	-11.4	- 9.9	-21.3	-19.9	-14.2	-15.6	-17.0	-17.0	- 9.9	-17.0	-15.6	-15.6
Prom	-15.2	-18.7	-14.2	-23.8	-22.4	-22.5	-19.5	-18.2	-19.2	-19.9	-21.1	-20.4	-21.8
Var.	5.5	2.0	6.3	- 3.1	- 1.7	- 1.8	1.2	2.5	1.5	0.8	- 0.4	0.3	- 1.1

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	4.5	3.0	- 1.6	1.5	- 3.2	- 3.2	1.5	- 3.2	12.1	12.1	5.7	2
16.6	16.6	18.1	18.1	10.6	16.6	15.1	3.0	- 1.6	12.1	1.5	11.4	2
12.1	- 1.6	- 6.4	- 3.2	- 1.6	3.0	1.5	4.5	-	-	-	7.2	2
1.5	- 6.4	- 6.4	- 6.4	1.5	1.5	- 1.6	- 1.6	4.5	1.5	1.5	- 0.6	2
- 3.2	- 9.5	- 9.5	-12.7	- 9.5	- 3.2	- 3.2	- 6.4	1.5	- 3.2	1.5	- 3.6	1
- 3.2	-12.7	-11.1	-11.1	-15.9	-15.9	-20.7	-20.7	-14.3	1.5	1.5	- 7.2	2
- 9.5	-19.1	-	-	-	-	-	- 8.0	- 1.6	3.0	6.0	- 6.1	1
- 3.2	-11.1	-12.7	-25.4	-28.4	-31.8	-22.3	- 8.0	- 3.2	6.0	6.0	- 6.8	2
3.0	- 6.4	- 8.0	-20.7	-11.1	-17.5	- 4.8	-11.1	7.6	-13.6	4.5	- 6.0	2
6.0	- 3.2	- 1.6	- 9.5	- 8.0	- 3.2	- 4.8	- 8.0	3.0	9.1	4.5	- 0.6	1
12.1	3.0	1.5	- 1.6	- 1.6	3.0	3.0	- 1.6	6.0	9.1	7.6	4.0	1
9.1	6.0	3.0	1.5	1.5	1.5	3.0	3.0	9.1	3.0	9.1	4.7	1
13.6	6.0	3.0	- 1.6	3.0	7.6	4.5	- 6.4	4.5	9.1	7.6	4.3	1
7.6	3.0	3.0	1.5	- 1.6	1.5	3.0	6.0	9.1	9.1	7.6	5.3	2
6.0	4.5	3.0	3.0	4.5	4.5	1.5	4.5	4.5	9.1	9.1	6.4	1
9.1	6.0	6.0	- 1.6	- 1.6	7.6	3.0	7.6	9.1	10.6	9.1	6.8	1
15.1	4.5	4.5	3.0	6.0	9.1	7.6	4.5	12.1	12.1	13.6	8.3	1
18.1	9.1	19.7	10.6	10.6	10.6	16.6	15.1	18.1	21.2	12.1	13.5	2
21.2	19.7	12.1	10.6	7.6	- 1.6	9.1	6.0	16.6	18.1	15.1	11.6	2
12.1	3.0	1.5	- 1.6	- 3.2	9.1	9.1	10.6	7.6	7.6	9.1	8.1	2
12.1	- 4.8	-11.1	7.6	7.6	9.1	9.1	10.6	18.1	15.1	12.1	8.2	2
9.1	4.5	4.5	- 4.8	- 8.0	13.6	10.6	3.0	6.0	6.0	12.1	7.0	2
13.6	1.5	- 8.0	9.1	9.1	10.6	9.1	9.1	6.0	12.1	7.6	8.2	2
15.1	- 9.5	- 1.6	1.5	- 1.6	18.1	10.6	15.1	24.2	6.0	18.1	9.6	2
6.0	- 6.4	4.5	9.1	9.1	12.1	7.6	10.6	12.1	9.1	9.1	8.4	2
9.1	9.1	7.6	- 1.6	4.5	6.0	10.6	12.1	12.1	12.1	15.1	9.2	2
12.1	4.5	1.5	1.5	4.5	9.1	6.0	9.1	7.6	13.6	9.1	8.6	2
4.5	- 1.6	1.5	4.5	6.0	6.0	6.0	9.1	9.1	12.1	12.1	6.9	2
6.0	3.0	4.5	3.0	9.1	3.0	6.0	4.5	3.0	7.6	6.0	7.9	2
7.6	4.5	3.0	4.5	9.1	9.1	7.6	4.5	12.1	9.1	6.0	7.6	1
10.6	1.5	- 1.6	- 1.6	1.5	7.6	6.0	12.1	13.6	7.6	10.6	7.4	2
8.4	0.7	0.9	- 0.5	0.5	3.4	3.5	3.0	7.1	8.3	8.6	5.1	
3.3	- 4.4	- 4.2	- 5.6	- 4.6	- 1.7	- 1.6	- 2.1	2.0	3.2	3.5		

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
-22.7	-21.3	-25.6	-25.6	-31.2	-38.3	-36.9	-38.3	-36.9	-29.8	-27.0	-27.3	2
-22.7	-24.1	-24.1	-28.4	-34.1	-29.8	-38.3	-31.2	-29.8	-25.6	-24.1	-26.4	1
-32.7	-32.7	-31.2	-28.4	-31.2	-35.5	-34.1	-32.7	-38.3	-27.0	-24.1	-33.5	2
-35.5	-36.9	-36.9	-36.9	-38.3	-36.9	-38.3	-38.3	-31.2	-32.7	-28.4	-34.1	2
-25.6	-22.7	-32.7	-32.7	-34.1	-38.3	-34.1	-38.3	-28.4	-27.0	-22.7	-30.3	2
-25.6	-25.6	-28.4	-28.4	-29.8	-28.4	-29.8	-25.6	-25.6	-22.7	-21.3	-25.8	1
-24.1	-21.3	-24.1	-27.0	-29.8	-28.4	-31.2	-27.0	-21.3	-22.7	-12.8	-22.5	1
-24.1	-25.6	-28.4	-29.8	-29.8	-32.7	-34.1	-38.3	-34.1	-36.9	-21.3	-26.3	2
-21.3	-18.5	-21.3	-21.3	-21.3	-19.9	-22.7	-21.3	- 9.9	-12.8	-15.6	-20.4	2
-18.5	-14.2	-17.0	-17.0	-18.5	-19.9	-18.5	-21.3	-18.5	-17.0	-17.0	-18.8	1
-21.3	-22.7	-19.9	-21.3	-22.7	-21.3	-24.1	-21.3	-19.9	-17.0	-17.0	-18.4	1
-25.6	-28.4	-25.6	-25.6	-25.6	-29.8	-28.4	-28.4	-19.9	-21.3	-15.6	-22.7	2
-21.3	-18.5	-17.0	-21.3	-21.3	-22.7	-22.7	-19.9	-11.4	-14.2	-11.4	-19.5	2
-19.9	-17.0	-17.0	-14.2	-21.3	-19.9	-21.3	-17.0	-15.6	-14.2	-11.4	-16.8	1
-14.2	-17.0	-19.9	-25.6	-25.6	-22.7	-24.1	-22.7	-24.1	-21.3	-14.2	-18.1	2
-15.6	-	-	-	-	-	-	-	-17.0	-14.2	- 7.1	-14.4	1
-14.2	-14.2	-15.6	-14.2	-19.9	-19.9	-21.3	-19.9	-14.2	-15.6	-11.4	-15.7	1
-17.0	-19.9	-21.3	-17.0	-18.5	-21.3	-19.9	-15.6	-14.2	- 8.5	- 8.5	-16.7	2
-19.9	-18.5	-18.5	-24.1	-28.4	-28.4	-28.4	-27.0	-27.0	-22.7	-19.9	-22.0	2
-28.4	-22.7	-25.6	-25.6	-28.4	-31.2	-31.2	-29.8	-18.5	-19.9	-15.6	-25.0	2
-24.1	-19.9	-21.3	-22.7	-25.6	-25.6	-21.3	-19.9	-21.3	-19.9	-18.5	-22.4	2
-19.9	-25.6	-21.3	-22.7	-22.7	-28.4	-25.6	-28.4	-25.6	-25.6	-11.4	-20.1	2
-17.0	-17.0	-11.4	-19.9	-21.3	-21.3	-22.7	-21.3	-17.0	-17.0	-17.0	-16.6	2
-19.9	-19.9	-17.0	-18.5	-19.9	-19.9	-19.9	-19.9	-19.9	-17.0	-14.2	-19.5	1
-19.9	-14.2	-15.6	-17.0	-18.5	-17.0	-19.9	-17.0	-15.6	-14.2	- 9.9	-16.5	1
-18.5	-14.2	-15.6	-12.8	-17.0	-18.5	-18.5	-15.6	-15.6	-15.6	- 9.9	-15.3	2
-14.2	-11.4	-15.6	-14.2	-11.4	-15.6	-17.0	-12.8	-11.4	-14.2	- 8.5	-13.7	1
-19.9	-17.0	-17.0	-17.0	-17.0	-19.9	-21.3	-15.6	-17.0	-18.5	- 7.1	-15.2	1
-14.2	-19.9	-17.0	-19.9	-21.3	-25.6	-28.4	-24.1	-24.1	-22.7	- 9.9	-15.8	2
-15.6	-11.4	-14.2	-18.5	-17.0	-17.0	-18.5	-17.0	-12.8	-11.4	- 8.5	-13.8	1
-14.2	-15.6	-15.6	-17.0	-18.5	-18.5	-19.9	-15.6	-14.2	-14.2	- 8.5	-15.2	2
-20.9	-20.3	-21.0	-22.2	-24.0	-25.1	-25.7	-24.0	-21.0	-19.8	-15.2	-20.7	
- 0.2	0.4	- 0.3	- 1.5	- 3.3	- 4.4	- 5.0	- 3.3	- 0.3	0.9	5.5		

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	49.7	50.0	50.6	49.7	50.2	51.0	51.4	51.4	51.6	52.9	53.3	53.4	52.2	52.4	52.4
2	54.8	54.8	55.5	55.0	54.8	55.3	56.4	57.0	57.4	57.1	56.5	57.2	57.7	57.2	55.6
3	56.2	56.1	55.9	55.7	55.5	55.5	55.6	55.6	55.4	55.3	55.2	54.5	54.2	53.6	52.9
4	52.3	52.0	53.3	53.2	53.8	54.1	54.1	54.2	55.7	55.9	56.2	56.3	56.3	56.4	56.4
5	60.7	60.8	60.8	60.8	61.2	61.5	61.5	61.6	61.6	61.6	61.5	61.2	61.0	60.9	60.7
6	60.9	60.9	60.9	61.0	61.0	61.0	61.1	61.2	61.2	61.0	60.7	60.2	59.8	59.2	58.7
7	58.1	57.7	57.4	57.2	57.5	57.5	57.8	57.8	57.8	57.1	56.5	56.1	55.6	54.5	54.1
8	56.4	56.5	56.6	56.6	56.9	57.4	58.0	59.4	59.4	59.6	59.4	59.1	59.2	58.9	58.5
9	59.0	58.8	58.5	58.1	58.0	58.0	58.3	58.4	58.6	58.6	58.2	57.8	57.4	56.8	56.2
10	54.5	54.5	54.2	53.9	53.8	53.7	53.8	53.8	53.7	53.6	53.7	53.5	53.1	52.7	52.2
11	52.8	53.5	52.2	52.0	53.2	53.4	54.1	53.9	51.4	53.1	53.3	52.7	52.4	52.4	52.4
12	56.7	57.4	57.4	57.4	57.7	58.0	58.4	59.2	59.2	59.2	59.1	59.2	59.2	59.1	58.9
13	58.6	58.5	58.2	58.1	58.1	58.5	58.9	59.2	59.1	59.0	58.5	57.8	58.4	56.6	55.9
14	56.7	56.5	56.4	56.4	56.6	57.0	57.2	57.4	57.5	57.5	57.4	57.1	56.8	56.4	56.1
15	57.5	57.5	57.7	57.9	57.9	58.6	59.1	59.6	59.6	59.7	59.5	59.1	58.7	58.2	57.8
16	58.5	58.6	58.7	58.8	58.9	59.2	59.5	60.2	60.3	60.4	60.2	59.9	59.9	59.4	58.9
17	56.2	56.1	55.9	55.8	56.0	56.3	56.5	56.8	56.8	56.7	56.4	56.0	55.5	55.0	54.8
18	53.1	52.9	52.7	52.3	52.4	52.4	52.3	52.6	52.4	52.4	51.7	50.8	51.3	51.8	52.5
19	55.7	55.3	54.8	54.7	54.9	56.2	56.2	56.3	57.0	57.1	57.1	57.1	57.0	57.2	57.3
20	58.0	58.0	57.9	57.8	57.9	58.1	58.3	58.4	58.0	58.1	57.9	57.5	57.2	56.7	56.2
21	56.3	56.4	56.2	56.3	56.4	56.9	57.2	57.1	57.1	56.9	56.8	56.2	55.9	55.5	[illegible]
22	56.1	56.4	56.0	55.9	56.1	56.2	56.6	56.8	56.6	56.6	56.2	55.6	55.0	54.4	[illegible]
23	55.3	54.8	54.6	54.2	54.2	54.6	54.9	55.9	55.7	56.0	56.1	56.3	56.3	56.4	56.5
24	60.2	60.2	60.1	60.3	60.4	61.2	61.6	62.1	62.2	62.4	62.5	62.5	62.1	62.0	61.8
25	63.3	63.2	63.1	63.1	63.3	63.7	64.1	64.6	64.6	64.7	64.4	64.0	63.4	62.8	62.5
26	61.6	61.3	61.2	61.3	61.4	61.6	61.7	61.9	61.9	61.9	61.5	60.9	60.3	59.6	59.1
27	59.2	58.5	58.5	58.6	58.8	58.9	59.3	59.4	59.3	59.3	58.9	58.6	58.2	57.5	57.2
28	58.3	58.4	58.4	58.5	58.8	59.1	59.4	59.5	59.6	59.7	59.6	59.5	59.0	58.4	58.2
29	58.9	58.7	58.5	58.5	58.6	58.8	59.1	59.6	59.7	59.9	59.9	59.7	59.5	59.2	59.2
30	59.5	59.3	59.0	59.0	59.0	59.0	59.2	59.2	59.3	59.6	59.3	58.9	58.9	59.1	59.1
31	60.2	60.1	59.9	60.1	60.2	60.4	60.7	60.9	61.0	61.0	60.8	60.8	60.8	60.4	60.0
Prom	57.3	57.2	57.1	57.0	57.2	57.5	57.8	58.1	58.1	58.2	58.0	57.7	57.5	57.1	56.8

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	23.9	23.9	23.7	23.4	23.4	23.5	23.5	23.5	24.3	24.5	24.0	23.4	23.4	24.4	26.3
2	22.4	22.3	22.3	22.4	22.1	22.0	22.1	21.5	21.2	21.0	21.3	22.0	22.4	22.3	26.3
3	20.0	19.8	19.8	19.8	19.9	19.9	20.4	22.4	25.1	25.9	26.2	26.8	27.7	28.8	29.0
4	20.2	20.2	20.2	20.2	20.3	20.3	20.8	21.3	22.0	23.6	24.6	24.7	23.9	22.4	20.8
5	14.3	13.3	12.4	12.1	11.7	11.3	13.1	15.6	18.1	20.0	21.2	22.3	23.2	23.0	23.4
6	16.0	16.7	17.7	17.6	18.2	19.3	20.5	21.7	23.6	24.1	25.5	27.7	27.7	28.3	27.7
7	24.7	24.6	24.3	24.1	23.5	23.4	23.4	23.6	24.2	24.7	27.5	30.1	30.9	32.7	33.1
8	22.0	21.9	21.7	21.4	21.2	20.8	20.8	21.8	23.0	24.6	25.7	27.0	27.5	28.0	27.6
9	20.5	19.4	18.6	18.1	17.7	17.0	18.0	21.0	22.5	23.2	23.4	24.4	25.0	25.5	25.5
10	21.4	20.6	20.0	19.5	19.0	18.5	19.4	20.8	22.9	24.8	26.6	27.7	28.4	28.8	28.1
11	23.2	21.9	20.7	20.2	20.3	20.2	20.1	20.3	20.5	21.3	22.4	23.2	26.0	27.7	27.1
12	16.1	14.8	13.8	13.1	12.3	11.9	12.2	13.8	14.9	16.3	17.6	18.5	18.8	18.8	18.9
13	9.1	9.2	9.3	8.8	8.4	8.5	10.4	14.3	17.4	18.9	19.5	20.4	20.4	21.3	21.2
14	11.9	11.5	11.0	10.7	11.3	11.6	16.5	17.8	20.1	21.9	23.7	24.8	25.6	25.7	25.8
15	20.4	19.9	19.3	18.4	17.9	17.4	19.3	21.7	23.8	25.4	26.6	26.8	27.4	28.1	28.3
16	20.9	20.7	20.8	20.8	20.7	20.6	21.6	23.2	25.1	26.1	27.0	27.4	27.9	28.7	28.7
17	22.6	22.7	22.7	22.5	22.3	21.9	23.0	24.0	25.8	27.4	29.2	30.4	31.1	31.8	32.2
18	25.0	25.3	24.8	24.0	23.7	23.8	24.1	25.1	26.5	27.7	29.6	30.1	23.4	20.5	19.8
19	19.6	19.2	19.2	19.1	19.0	18.8	18.7	18.1	18.2	18.7	19.0	19.2	19.3	19.2	19.1
20	12.6	11.9	11.1	10.4	10.0	9.7	10.1	13.6	16.1	18.3	20.3	21.7	22.6	23.6	23.8
21	12.2	11.5	11.1	10.6	10.2	9.8	11.6	15.4	18.9	20.7	22.0	22.8	23.4	23.8	23.6
22	15.1	14.8	14.4	14.1	13.6	13.6	14.9	19.0	20.4	21.0	22.1	22.8	23.2	21.8	20.5
23	15.3	15.6	16.1	16.2	16.2	16.2	16.1	15.6	15.8	16.4	17.1	17.6	18.1	18.3	18.1
24	11.6	12.0	11.0	10.9	10.2	9.5	10.5	13.4	15.9	18.2	19.3	20.4	20.9	21.6	22.0
25	10.1	9.9	9.9	9.4	8.7	7.9	9.1	14.0	16.8	18.5	20.0	21.1	22.1	22.9	23.4
26	14.9	15.2	15.1	14.7	14.1	13.6	14.8	16.9	19.4	21.5	23.1	24.0	24.8	25.0	24.8
27	14.8	13.8	13.2	12.1	11.8	11.7	12.5	18.1	21.0	22.5	23.9	24.8	25.7	26.2	26.4
28	16.2	15.5	14.7	14.7	14.3	13.7	14.5	17.8	20.9	22.2	22.7	23.2	23.9	24.6	24.6
29	18.0	17.2	17.0	15.8	15.0	14.9	16.0	19.0	21.0	23.3	25.3	25.7	26.5	27.0	26.7
30	17.0	17.1	16.5	15.6	14.4	14.3	15.0	18.0	20.9	23.8	25.7	26.5	27.0	26.9	25.6
31	18.9	19.1	18.9	18.9	18.5	18.4	18.8	18.9	19.3	20.4	21.2	22.1	22.5	22.8	23.1
Prom	17.8	17.5	17.1	16.7	16.4	16.2	17.2	19.1	20.8	22.2	23.3	24.2	24.5	24.8	24.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
52.3	52.3	52.3	52.6	53.2	53.8	54.2	54.2	54.7	54.7	24	49.3	1-2	5.4	752.2 mm.	1002.9 mb.
55.3	55.1	54.9	55.3	55.6	56.0	56.2	56.2	56.2	57.7	13	54.7	0	3.0	56.0	1008.0
52.4	51.8	51.3	51.6	52.0	52.7	53.7	52.5	52.3	56.2	0,1	51.3	18	4.9	54.1	1005.4
56.6	57.1	57.5	58.4	59.2	60.3	60.6	60.7	60.9	60.9	24	52.0	2	8.9	56.3	1008.4
60.3	60.6	60.7	61.1	61.2	61.3	61.3	61.1	60.9	61.6	varios	60.6	17	1.0	61.1	1014.8
58.4	58.2	58.2	58.4	58.6	58.5	58.6	58.4	58.4	61.2	8,9	58.1	18-19	3.1	59.8	1013.0
53.7	53.5	54.6	55.5	55.9	55.8	57.1	56.9	56.7	58.4	0	53.5	17	4.9	56.4	1008.5
58.4	58.5	58.5	58.7	59.1	59.3	59.3	59.2	59.2	59.6	10	56.4	1	3.2	58.4	1011.2
56.0	55.8	55.8	55.2	55.4	55.4	55.1	55.0	54.7	59.2	0	54.7	24	4.5	57.0	1009.3
51.8	51.8	52.0	51.8	52.0	52.5	51.9	51.6	52.3	54.7	0	51.3	23-24	3.4	53.0	1004.0
52.7	53.3	53.8	54.5	55.2	55.8	56.4	56.7	56.8	56.8	24	51.4	9	5.4	53.7	1004.9
58.7	58.7	58.8	58.8	59.0	59.0	58.9	58.8	58.8	59.2	varios	56.7	1	2.5	58.6	1011.4
55.6	55.6	55.8	55.9	56.4	56.6	56.8	56.8	56.9	59.2	9	55.6	16-17	3.6	57.4	1009.8
56.0	56.2	56.3	56.6	56.8	57.3	57.4	57.7	57.7	57.7	23,24	56.0	16	1.7	56.9	1009.2
57.6	57.6	57.8	58.1	58.2	58.3	58.3	58.2	58.3	59.7	10	57.5	1,2	2.2	58.4	1011.2
58.5	58.2	57.8	57.6	57.4	57.6	57.4	57.0	56.8	60.4	10	56.8	0	3.6	58.7	1011.6
54.6	54.3	54.4	54.7	54.6	55.1	54.9	54.5	54.0	56.8	8,9	54.0	24	2.8	55.5	1007.3
53.6	53.4	53.8	54.8	56.4	56.0	56.0	55.5	55.5	56.8	20-21	50.4	12-13	6.4	53.3	1004.4
57.0	56.7	57.2	57.4	57.6	58.2	58.4	58.3	58.0	58.5	21-22	54.7	4	3.8	56.8	1009.0
56.2	56.2	56.2	56.4	56.6	56.6	56.8	56.7	56.6	58.4	8	56.2	varios	2.2	57.3	1009.7
55.0	54.9	55.0	55.2	55.4	55.8	55.9	56.0	56.1	57.2	7	54.9	17	2.3	56.1	1008.1
54.6	54.6	55.2	55.2	55.2	55.1	54.7	55.2	55.2	56.8	8	54.4	14,15	2.4	55.6	1007.4
57.1	57.4	58.2	58.5	59.0	59.5	59.7	59.9	60.1	60.1	24	54.2	4,5	5.9	56.7	1008.9
61.9	62.1	62.2	62.4	62.8	63.1	63.1	63.1	63.3	63.3	24	60.1	0,1	3.2	61.9	1015.8
62.0	61.8	61.9	62.0	62.4	62.5	62.4	62.1	61.9	64.7	10	61.8	17	2.9	63.1	1017.4
58.9	58.9	58.9	58.9	59.3	59.4	59.2	59.3	59.2	61.9	varios	58.9	varios	3.0	60.4	1013.8
57.1	57.2	57.2	57.4	57.6	57.9	57.9	58.1	58.3	59.4	8	57.1	16	2.3	58.3	1011.0
58.0	58.0	58.1	58.4	59.0	59.1	59.1	59.1	59.0	59.7	10	58.0	16-17	1.7	58.8	1011.7
59.1	59.1	59.2	59.3	59.5	59.7	59.7	59.6	59.5	59.9	10,11	58.5	3,4	1.4	59.3	1012.4
59.0	58.6	59.4	59.9	60.1	60.2	60.1	60.4	60.4	60.4	23,24	58.6	17	1.8	59.4	1012.5
59.4	59.3	59.5	59.5	59.6	59.7	59.6	59.3	59.0	61.0	9,10	59.0	24	2.0	60.1	1013.4
56.7	56.7	56.8	57.1	57.4	57.8	57.8	57.7	57.7	59.1		55.7		3.4	57.4	1009.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
26.3	26.0	25.0	23.7	23.3	22.9	22.9	22.6	22.4	25.3	15-16	22.4	24	2.9	23.9
21.9	22.3	22.3	22.2	22.2	21.8	21.3	20.7	20.2	22.4	varios	20.2	24	2.2	21.8
28.9	28.2	26.0	25.2	24.7	20.9	19.6	19.8	19.8	29.0	15	18.9	21-22	10.1	23.5
22.8	22.1	20.9	20.1	19.5	19.8	18.0	16.9	15.4	24.7	12	15.4	24	9.3	21.0
22.3	21.4	20.1	18.4	17.1	16.8	16.3	16.0	16.0	23.3	13-14	11.3	6	12.0	17.4
27.7	27.1	26.3	25.7	25.3	25.3	24.9	24.7	24.4	28.7	13-14	16.0	0,1	12.7	23.5
33.3	32.7	25.8	24.7	23.9	23.7	22.3	22.3	22.2	33.3	16	22.2	24	11.1	26.0
27.8	26.3	24.2	22.3	21.6	21.0	21.1	21.1	21.0	28.0	14	21.0	21,24	7.0	23.7
25.3	24.9	23.6	22.6	22.3	22.3	22.4	22.3	21.7	25.5	14,15	15.8	5-6	9.7	22.0
28.0	27.4	25.7	24.2	23.5	22.7	23.0	23.3	23.8	29.0	13-14	18.1	6-7	10.9	23.7
25.0	23.9	22.0	20.8	20.3	20.4	19.3	18.3	17.0	27.9	14-15	17.0	24	10.9	21.8
18.0	17.7	16.7	13.9	12.2	11.1	10.3	9.8	9.2	19.1	13-14	9.2	24	9.9	14.6
20.5	19.7	18.0	16.4	14.9	15.0	13.9	13.1	12.8	21.3	14	8.4	5	12.9	15.0
25.8	25.0	23.6	22.2	21.0	21.0	20.9	20.9	20.8	26.5	15-16	10.7	4	15.8	19.6
27.6	26.7	24.9	23.1	22.3	21.9	21.8	21.5	21.3	28.3	15	17.4	6	10.9	23.0
28.4	27.2	25.3	23.7	23.0	22.5	21.6	21.6	22.2	28.8	15-16	20.6	6	8.2	24.0
32.1	30.8	28.7	25.9	26.1	25.5	25.3	25.3	24.9	32.9	15-16	22.2	0	10.7	26.4
18.5	18.1	18.1	18.5	18.4	18.6	18.8	19.2	19.6	30.5	12-13	18.1	17,18	12.4	22.6
18.9	18.7	18.7	17.6	16.4	15.5	14.4	13.8	13.1	19.9	0-1	13.1	24	6.8	18.0
23.5	22.9	19.0	15.6	14.1	13.2	12.7	12.3	12.4	23.9	15-16	9.4	6-7	14.5	15.9
23.5	22.9	20.7	18.0	16.4	16.5	16.4	16.4	15.7	23.8	14	9.8	6	14.0	17.2
19.4	18.8	18.6	17.8	16.5	15.6	15.2	15.0	15.1	23.2	13	13.6	5-6	9.6	17.6
18.0	17.5	16.6	15.1	13.4	12.9	12.5	12.3	11.8	18.3	14	11.8	24	6.5	15.8
21.6	20.9	18.2	15.6	13.7	12.9	12.3	11.7	10.9	21.8	14-15	10.9	24	10.9	15.2
22.9	21.7	19.1	17.3	16.8	16.3	15.8	15.2	14.9	23.4	15	7.7	6-7	15.7	16.0
24.4	23.3	20.5	18.4	17.3	16.3	15.3	15.3	15.0	25.0	14	13.6	6	11.4	18.6
26.0	24.8	21.7	19.0	17.2	16.9	16.5	16.2	16.4	26.6	15-16	11.2	6-7	15.4	18.9
23.8	22.7	20.6	19.5	18.7	17.9	17.7	16.9	18.0	24.6	14-15	13.7	6	10.9	19.1
25.6	25.2	22.1	19.7	18.6	18.1	17.7	17.8	17.4	27.0	14	14.6	5-6	12.4	20.4
25.2	23.6	22.3	21.4	20.7	20.4	20.0	19.6	18.7	27.3	13-14	14.3	6	13.0	20.7
23.0	22.9	21.4	20.4	19.4	18.7	18.2	17.5	17.9	23.3	16-17	17.3	23-24	6.0	20.0
24.4	23.6	21.8	20.3	19.4	18.8	18.3	18.0	17.8	25.6		15.0		10.6	20.2

HUMEDAD RELATIVA en %

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

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	21.5	21.5	21.0	21.0	20.5	20.5	20.5	21.5	22.0	22.0	21.5	21.0	19.5	21.2	21.0
2	19.5	19.5	19.5	19.5	19.0	19.0	19.0	19.1	18.0	18.0	18.0	19.0	19.5	20.0	19.0
3	17.0	16.5	16.5	16.5	16.5	16.5	17.0	20.1	21.5	21.5	20.5	21.5	21.0	21.6	21.5
4	17.0	17.0	17.0	17.0	17.0	17.0	17.5	18.9	19.0	19.0	19.0	20.0	18.0	16.0	16.0
5	11.0	10.5	9.5	9.0	8.5	9.0	9.5	10.4	10.0	11.5	11.5	11.5	12.0	12.3	13.0
6	13.0	13.0	13.0	13.0	14.0	15.0	16.5	17.9	17.5	18.0	18.5	20.0	18.5	19.0	18.5
7	21.5	20.0	19.5	18.5	19.5	20.5	20.5	20.9	20.5	21.0	22.5	23.0	24.0	24.2	23.5
8	19.0	19.0	18.5	18.5	18.0	17.5	17.5	18.7	17.0	16.5	16.5	15.0	15.5	15.6	15.0
9	16.5	15.5	14.5	14.0	13.5	13.0	14.0	16.4	16.5	16.0	16.5	16.5	17.0	16.6	16.0
10	16.5	16.5	16.0	15.5	15.0	14.5	15.5	15.2	16.0	16.5	16.0	17.0	16.5	18.5	17.5
11	18.5	19.0	17.5	16.0	16.0	17.0	17.0	17.7	17.0	17.0	17.5	16.0	15.5	16.3	17.0
12	11.5	11.0	10.5	10.0	10.0	10.0	9.5	9.6	9.0	8.5	8.5	8.0	8.5	8.7	8.0
13	8.0	8.0	8.5	8.0	7.8	8.0	9.0	10.2	10.0	9.0	8.5	9.0	9.0	9.3	9.5
14	10.0	9.5	9.5	9.0	9.5	9.5	12.5	13.2	13.5	14.0	14.5	14.5	14.0	13.4	13.0
15	17.0	16.5	15.0	14.5	14.0	14.0	15.0	16.1	17.0	17.5	17.5	16.0	15.5	14.6	15.0
16	17.0	17.5	17.5	17.5	17.5	17.5	18.5	18.2	18.0	19.5	19.0	19.5	18.5	18.3	18.0
17	18.5	19.0	19.0	18.5	18.5	19.0	18.0	17.7	17.5	18.0	18.5	20.0	19.5	19.3	18.5
18	19.5	18.5	16.5	17.0	16.5	16.5	17.0	17.2	17.0	18.5	19.0	19.5	17.5	16.9	15.5
19	16.5	16.0	16.0	16.0	15.5	15.5	15.5	15.1	15.0	15.5	15.5	16.0	16.0	16.2	16.0
20	10.5	10.0	9.5	9.0	8.5	8.5	9.0	11.1	11.5	10.5	9.0	9.0	8.5	9.2	8.0
21	10.0	9.5	9.5	9.0	9.0	8.5	9.5	12.5	14.0	15.0	14.0	13.5	13.0	13.1	12.5
22	12.0	12.0	11.5	11.5	11.0	11.0	12.0	14.8	15.5	15.0	15.0	15.0	14.0	15.3	16.5
23	12.5	12.5	13.0	13.0	13.0	12.5	12.5	12.1	12.0	12.0	12.0	11.5	11.5	11.7	11.0
24	9.5	10.0	9.5	9.0	9.0	8.5	9.0	10.1	9.5	9.5	9.5	9.0	8.5	9.2	9.0
25	9.0	8.5	8.5	8.5	8.0	7.6	8.0	11.6	11.5	10.0	10.0	10.0	11.0	10.4	11.0
26	11.0	11.0	11.0	11.5	11.5	11.0	12.0	12.5	13.0	13.5	12.0	11.5	12.0	12.4	12.0
27	11.0	10.5	11.0	10.0	10.0	9.5	10.5	12.4	13.5	12.5	12.5	12.0	12.5	12.3	12.0
28	12.5	12.0	11.5	11.5	11.0	10.5	11.0	14.2	16.0	15.5	15.5	15.0	14.5	14.2	14.0
29	15.0	14.0	14.0	13.0	12.0	12.0	13.0	15.4	16.0	16.5	15.0	14.0	13.5	13.8	13.5
30	14.0	14.0	13.5	12.5	11.5	11.5	12.0	15.4	16.0	17.0	17.5	18.5	17.5	19.1	18.5
31	15.5	16.0	15.5	15.5	15.5	15.0	15.5	15.9	16.0	16.5	16.0	17.0	16.5	17.4	17.5
Prom.	14.6	14.3	14.0	13.6	13.4	13.4	14.0	15.2	15.4	15.5	15.4	15.5	15.1	15.4	16.0

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

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
21.0	20.5	21.5	21.0	20.1	20.0	20.0	20.0	19.5	22.0	9,10	19.5	13,24	2.5	20.8
19.0	19.5	19.5	19.5	19.9	19.0	18.0	17.5	17.0	20.0	14	17.0	24	3.0	18.9
22.5	23.0	23.0	23.0	22.8	17.5	16.5	16.5	16.5	23.0	varios	16.5	varios	6.5	19.4
16.0	15.0	14.0	14.0	14.0	12.5	12.5	13.0	12.0	20.0	12	12.0	24	8.0	16.6
12.5	12.5	13.5	13.5	13.3	12.5	12.5	12.5	12.5	13.5	18,19	8.5	5	5.0	11.4
20.0	19.0	19.5	20.0	21.2	21.0	20.5	21.5	21.0	21.5	23	13.0	varios	8.5	17.9
23.5	24.5	20.0	20.5	20.1	20.0	19.5	19.5	19.0	24.5	17	18.5	4	6.0	21.1
16.0	15.5	16.0	15.5	17.1	17.0	17.0	17.0	17.0	19.0	1,2	15.0	12,15	4.0	16.9
16.0	17.0	17.5	17.5	18.6	18.5	18.5	17.5	17.5	18.6	20	13.0	6	5.6	16.3
19.0	18.0	19.0	18.5	18.6	19.0	19.0	19.5	19.0	19.5	23	14.5	6	5.0	17.2
18.0	13.5	14.0	14.0	14.1	12.5	12.0	11.0	11.0	19.0	2	11.0	23,24	8.0	15.6
8.5	9.0	9.5	10.0	10.1	9.5	9.0	8.5	8.0	11.5	1	8.0	varios	3.5	9.3
10.0	10.5	10.0	11.0	11.5	11.0	11.5	10.5	10.5	11.5	20,22	7.8	5	3.7	9.5
13.0	13.5	15.5	15.5	16.8	15.0	15.0	16.5	16.5	16.8	20	9.0	4	7.8	13.2
17.0	16.0	14.5	15.0	16.5	17.0	17.0	16.5	17.0	17.5	10,11	14.0	5,6	3.5	15.9
18.0	18.0	16.0	16.5	17.6	17.5	17.5	18.5	18.0	19.5	10,12	16.0	18	3.5	17.9
20.5	20.5	22.5	21.5	19.0	20.0	19.5	18.5	18.0	22.5	18	17.5	9	5.0	19.1
15.5	14.0	14.0	14.5	15.8	15.5	15.5	16.0	16.5	19.5	1,12	14.0	17,18	5.5	16.7
15.5	14.5	14.5	14.5	13.3	12.5	11.5	11.0	10.5	16.5	1	10.5	24	6.0	14.6
9.0	9.5	11.0	11.5	11.4	11.0	10.5	10.0	10.0	11.5	9,19	8.0	15	3.5	9.8
13.5	13.0	13.0	13.0	13.3	13.5	13.5	13.5	12.5	15.0	10	8.5	6	6.5	12.1
15.5	14.5	13.5	14.0	13.7	12.5	12.5	12.0	12.0	16.5	15	11.0	5,6	5.5	13.4
10.0	10.5	10.0	10.5	10.9	10.0	10.0	9.5	9.5	13.0	varios	9.5	23,24	3.5	11.4
8.0	10.5	12.0	12.0	11.6	10.5	10.0	9.5	9.0	12.0	18,19	8.0	16	4.0	9.7
13.0	12.0	11.0	11.0	12.4	10.5	12.0	12.5	11.5	13.0	16	7.6	6	5.4	10.4
12.0	12.0	13.0	13.0	12.6	12.0	11.0	11.0	11.5	13.5	10	11.0	varios	2.5	11.9
13.0	13.0	15.0	15.0	14.3	13.5	12.5	12.5	12.0	15.0	18,19	9.5	6	5.5	12.2
14.5	14.5	14.5	14.5	15.1	14.5	14.5	13.5	15.0	16.0	9	10.5	6	5.5	13.7
15.0	17.0	16.0	15.5	16.0	13.5	13.5	14.5	14.0	17.0	17	12.0	5,6	5.0	14.4
19.5	19.0	18.5	18.5	18.2	17.0	17.0	16.5	15.5	19.5	16	11.5	5,6	8.0	16.2
17.0	17.0	16.5	16.5	16.1	15.5	15.0	14.5	14.5	17.5	15	14.5	23,24	3.0	16.0
15.5	15.4	15.4	15.5	15.7	14.9	14.7	14.6	14.3	17.3		12.2		5.1	14.8

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	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V
1	E	5	E	6	C	1	S	2	C	1	C	1	E	3	E	8	E	3	NW	2	W	11	W	2	S	2	C	1	W	3
2	C	1	SE	2	S	2	SE	4	E	9	E	10	SE	4	S	2	SE	5	E	10	E	10	E	8	C	1	C	0	E	8
3	C	1	SE	3	SE	3	SE	3	C	1	SE	2	SE	2	C	1	E	7	E	12	E	11	E	8	E	5	E	7	E	10
4	C	1	S	6	W	5	SW	3	E	2	E	6	E	4	E	5	SW	3	C	0	S	6	S	3	S	8	S	14	S	10
5	SE	3	C	0	C	0	C	0	C	0	C	0	C	0	C	1	SE	7	SE	8	SE	6	E	8	E	7	E	11	E	12
6	E	4	E	8	E	6	E	2	E	3	E	6	E	4	N	6	N	6	N	9	N	10	N	7	N	12	N	12	E	11
7	N	6	N	10	N	8	N	8	N	8	N	10	C	0	C	0	C	0	C	1	N	3	N	10	N	16	N	20	N	16
8	SW	6	S	8	S	4	S	4	S	5	S	4	S	3	S	4	S	5	SE	6	SE	8	SE	8	SE	8	SE	7	SE	5
9	E	6	E	4	E	4	E	4	E	3	E	2	E	3	E	8	E	16	E	15	E	17	E	15	E	13	E	14	E	14
10	N	10	N	12	N	14	N	13	N	15	N	17	N	13	N	17	N	20	N	16	N	12	N	3	N	4	E	5	E	8
11	S	5	S	6	SE	12	SE	8	E	9	E	3	W	7	N	12	N	30	W	7	SW	7	W	5	W	9	W	11	W	13
12	S	11	S	9	S	8	S	9	S	8	S	10	S	10	S	7	S	13	S	13	S	16	S	12	S	14	S	12	S	11
13	C	0	C	0	C	1	C	1	C	1	C	1	C	1	SE	3	SE	4	SE	3	N	5	N	6	N	4	N	6	N	6
14	C	1	C	1	C	0	E	4	E	6	E	4	NE	12	N	11	N	11	N	11	N	10	N	11	N	11	N	11	N	10
15	E	7	N	4	E	2	E	3	C	1	C	1	E	4	N	6	N	8	E	7	E	5	E	8	N	8	N	10	N	12
16	E	8	N	5	N	5	N	7	N	5	N	3	N	3	N	8	N	8	N	10	N	10	N	12	N	11	N	11	E	9
17	E	11	N	10	N	8	N	12	N	11	N	11	N	13	N	12	N	21	N	19	N	15	N	13	N	11	N	11	N	10
18	N	8	N	13	N	17	N	16	N	14	N	14	N	9	N	9	N	19	N	18	N	22	N	24	N	20	S	20	S	17
19	S	6	S	5	S	2	S	4	S	6	S	3	S	2	S	2	S	8	S	5	S	3	S	2	S	6	S	7	S	4
20	S	2	S	2	S	2	C	1	C	0	S	2	S	4	S	5	S	6	S	4	S	5	S	6	S	7	S	6	S	6
21	E	4	E	2	S	2	S	3	S	2	S	2	C	1	C	1	E	3	E	3	N	7	N	9	N	8	N	10	E	9
22	E	2	S	3	S	4	E	4	S	2	C	1	C	0	E	2	E	7	E	2	C	0	C	0	E	4	S	3	S	6
23	S	4	S	5	S	2	S	5	S	6	S	10	S	8	S	8	S	12	S	12	S	7	S	14	S	16	S	18	S	16
24	S	4	S	5	S	7	S	3	S	2	S	2	S	4	S	4	S	8	S	9	S	10	S	10	S	6	S	6	S	4
25	C	1	N	2	C	1	N	2	C	1	C	0	C	0	C	1	N	10	N	10	N	8	N	8	N	10	N	10	N	6
26	N	6	N	7	N	8	N	8	N	10	N	7	N	7	N	16	N	18	N	16	N	14	N	16	N	12	N	12	N	14
27	N	2	N	2	NW	2	N	2	N	2	N	2	W	2	W	2	W	8	W	10	W	12	W	10	W	11	W	8	W	6
28	S	4	S	5	S	3	S	3	S	3	S	5	SE	4	E	6	E	7	E	9	E	10	E	10	E	9	E	8	E	8
29	E	6	E	4	E	7	C	0	E	3	C	0	C	1	C	0	N	3	N	3	N	4	N	4	W	2	C	1	W	2
30	E	6	E	2	C	1	C	0	C	0	C	1	E	4	E	3	E	4	E	4	C	1	E	2	N	3	W	3	W	6
31	N	2	C	1	C	0	S	3	S	3	S	3	S	6	S	7	SE	5	SE	6	SE	7	SE	5	SE	6	S	4	S	6
DIR. PREV.	E		S		S		S		S		S		S-C		N		N		N		N		N		N		N		E-S	
Nº de HORAS	10		10		10		9		9		9		7		9		11		9		12		12		13		10		9	
PROM. HOR. DE LA VELOC		5		5		9		4		4		5		4		6		9		8		9		8		8		9		9

15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		PREVAL. DIARIA		PROM. DIARIO	VELOCIDAD INSTANTÁNEA		
D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	DIR.	Nº de HORAS	DE VELOC.	VELOC.	DIREC.	HORA
W	2	C	0	C	1	C	0	C	0	C	1	C	1	C	1	S	2	C	11	2	16	W	10.46
E	6	E	6	E	14	E	11	E	3	E	2	E	3	C	0	C	0	E	13	5	16	E	15.04
E	4	E	3	C	0	C	0	C	0	C	1	S	12	S	6	C	0	E	9	4	76	S	21.06
S	11	S	11	S	8	SE	7	E	5	E	9	E	9	SE	2	SE	2	S	9	6	24	S	13.40
E	10	E	13	E	8	E	3	E	3	E	4	E	3	E	2	E	5	E	13	5	18	E	14.16 14.59
E	11	E	13	E	12	E	9	E	10	E	11	E	6	E	5	E	3	E	17	8	18	E	9.16
N	16	N	14	S	14	S	8	S	4	S	4	W	15	W	4	W	10	N	13	8	32	W	21.38 21.39
E	8	E	7	E	7	E	5	E	8	E	4	E	8	E	9	E	9	E	9	6	12	SE	11.16
E	13	E	14	E	10	E	13	E	12	E	12	E	12	E	10	N	9	E	23	10	22	E	10.43
E	7	E	7	E	6	E	7	E	7	E	3	E	9	E	11	E	12	N	13	10	28	N	23.36
W	17	S	14	S	6	S	6	S	6	S	8	S	11	S	12	S	10	S	10	10	36	N	8.55
S	8	S	7	S	5	C	0	C	0	C	0	C	0	C	0	C	0	S	18	8	24	S	12.56
N	8	N	10	E	8	C	1	C	1	E	6	E	3	SE	3	C	1	C	10	3	12	N	16.51
N	5	N	3	C	1	C	1	C	1	E	5	E	5	E	7	E	7	N	10	6	19	N	8.02
E	10	E	10	E	9	E	8	E	10	E	11	E	9	E	8	E	8	E	16	7	14	N	14.36
E	13	E	12	E	11	E	8	E	7	E	7	E	3	E	6	E	9	N	13	8	16	E	17.44
N	7	N	8	C	1	E	4	E	7	E	6	E	7	E	8	E	7	N	16	10	23	N	7.43
S	19	S	17	S	10	S	5	S	3	E	5	N	7	E	7	N	8	N	15	13	48	S	13.02
S	4	S	3	C	0	S	3	S	3	S	3	C	1	S	2	S	4	S	22	4	16	S	13.10
S	4	S	4	C	0	C	0	C	0	C	1	C	1	E	3	C	1	S	15	3	9	S	13.29
N	8	E	5	E	4	E	4	E	3	C	1	E	2	E	2	E	3	E	12	4	14	E	14.14
S	5	S	7	S	6	S	3	C	1	C	0	S	2	S	3	W	6	S	11	3	10	S	16.15
S	14	S	7	S	5	S	5	S	3	S	6	S	6	S	4	S	5	S	24	8	26	S	8.40
S	5	S	4	C	0	C	0	C	1	C	1	E	4	E	2	E	2	S	17	4	14	S	10.32
N	8	E	7	E	6	N	4	E	5	E	5	E	5	E	3	N	6	N	12	4	13	N	12.51
N	12	N	10	N	6	N	4	N	5	N	3	N	3	N	2	N	2	N	24	9	20	N	8.01 11.24
S	4	C	1	C	0	C	1	C	1	N	4	N	2	N	5	N	4	N-W	9	4	15	W	11.07
E	8	E	8	E	6	E	3	E	4	E	2	C	1	E	3	E	4	E	16	6	18	E	12.44
S	2	C	1	C	0	E	3	E	4	E	6	E	5	E	5	E	4	E	10	3	9	W	13.10
W	6	W	3	W	2	C	1	C	1	C	1	C	1	S	2	C	1	C	10	2	11	W	14.05
E	6	E	6	E	6	E	5	E	7	E	3	C	0	C	0	C	0	S	7	4	15	S	7.22

E		E		E		E		E		E		E		E		E		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		84 Km.		
11		13		13		13		15		17		16		16		12					DIREC.	DIA	HORA
	8		8		6		4		4		4		5		4		5	E	222	6	S	18	de 13.00 a 13.05

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	25			3	6			4	18	1	2	11	59
2					13	100	4	15	2	4							5	121
3					9	67	5	13	2	18							8	102
4					7	40	3	11	9	77	2	6	1	5			2	140
5					13	89	4	24									7	114
6	7	62			17	124												186
7	13	145							4	30			3	29			4	205
8					9	65	6	42	8	37	1	6						150
9	1	9			23	234												243
10	13	156			11	82												248
11	2	42			2	12	2	20	10	84	1	7	7	69				234
12									18	183							6	183
13	7	45			3	17	4	13									10	83
14	10	94	1	12	7	38											6	149
15	6	48			16	119											2	169
16	13	98			11	93												191
17	16	192			7	50											1	243
18	15	218			2	12			7	91								321
19									22	87							2	88
20					1	3			15	65							8	72
21	5	42			12	44			4	9							3	98
22					6	21			11	44			1	5			6	73
23									24	198								198
24					3	8			17	93							4	103
25	12	84			6	31											6	119
26	24	218																218
27	9	25							1	4			9	69	1	2	4	103
28					16	105	1	4	6	23							1	133
29	4	14			10	47			1	2			2	4			7	70
30	1	3			7	25			1	2			5	20			10	58
31	1	2			6	33	5	29	7	32							5	97
SUMAS	159	1507	1	12	222	1484	34	171	172	1089	4	19	32	220	2	4	118	4571
% PREVAL POR VELOCIDAD	33.0		0.3		32.5		3.7		23.8		0.4		4.8		0.1		1.4	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	9		12		7		5		6		5		7		2		0.6	147

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	6		10	1	7	1			6
1 - 2	9		6	2	10				4
2 - 3	6		4	2	10		1	1	7
3 - 4	8		5	3	9	1			5
4 - 5	7		7		9				8
5 - 6	7		6	1	9				8
6 - 7	5	1	6	3	7		2		7
7 - 8	9		6	1	8		1		6
8 - 9	11		7	4	6	1	1		1
9 - 10	9		8	4	5		2	1	2
10 - 11	12		5	3	6	1	2		2
11 - 12	12		7	2	6		3		1
12 - 13	13		5	2	7		3		1
13 - 14	10		5	1	9		3		3
14 - 15	7		9	1	9		5		
15 - 16	7		11		10		3		
16 - 17	5		13		9		1		3
17 - 18	1		13		7		1		9
18 - 19	2		13	1	6				9
19 - 20	1		15		5				10
20 - 21	2		17		4				8
21 - 22	3		16		4		1		7
22 - 23	2		16	2	6		1		4
23 - 24	5		12	1	4		2		7
SUMAS	159	1	222	34	172	4	32	2	118
% de frec. por dirección	21.3	0.1	29.8	4.6	23.1	0.5	4.3	0.3	15.9

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	VISIBILIDAD 14h	VISIBILIDAD 20h
											90 - 99		
1	St Fs	8	Ns	8	Sc 4 As 4	8	Sc	7	Ns	8	96	98	98
2	Ns	8	Ns	8	Ns	8	Fs 2 Ac As 5	7	Ac	7	5	5	9
3	Ac	2	Cu	7	Cu	3	Sc 3 Cs 5	8	Cb 4 As 4	8	6	7	7
4	As	8	Sc	8	Sc	8	Ac 2 Cc 2	4	Ci	3	6	9	8
5	Ci	1	Claro	0	Claro	0	Sc	1	Sc	1	9	9	9
6	St 5 Ac 2	7	Cu 2 Ac 3	5	Cu 3 Ac 5	8	Sc	4	Claro	0	9	9	8
7	St 1 As 7	8	Cc	7	Cu 1 Ac 3 Cc 1	5	Cu 2 Cs 5	7	Cb	4	8	9	8
8	Cu 1 Cc 2	3	Ci	3	Ci	1	Ci	1	Claro	0	9	9	9
9	Cu	5	Claro	0	Claro	0	Claro	0	Claro	0	8	9	7
10	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	8	7
11	Ns	8	As	8	Cu 1 Ac 1 Ci 1	3	Sc	4	Sc	4	7	9	8
12	Ac 2 Cc 1	3	Cu	2	Cu	6	Sc 1 Ci 2	3	Claro	0	9	9	8
13	Claro	0	Cu	1	Cu	1	Sc	1	Claro	0	7	8	8
14	Ci	3	Ci	1	Cu 2 Ac 2	4	Ac	8	Ac	7	9	8	3
15	Claro	0	Cu	1	Claro	0	Claro	0	Claro	0	9	8	8
16	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	8	8
17	Ci	3	Claro	0	Claro	0	Cb 1 Ci 2	3	Claro	0	9	7	7
18	Cs	8	Cs	8	Fs 4 As 4	8	Fs	8	Ns	8	8	9	7
19	Sc	8	Ns	8	Ns	8	Ci	4	Claro	0	8	7	8
20	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	7
21	Claro	0	Cu	2	Cu	2	Claro	0	Ac	3	6	9	6
22	Sc 2 Ci 4	6	Sc	7	St	8	Sc	7	As 1 Ci 1	2	7	7	8
23	Fs 3 As 5	8	Ac As	8	As	8	Ci	5	Ci	3	9	9	8
24	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	3
25	Sc	3	Claro	0	Claro	0	Claro	0	Claro	0	9	9	6
26	Claro	0	Cu	1	Cu	2	Ci	1	Claro	0	9	9	8
27	Ci	5	Ci	4	Cs	6	Ci	7	Cc	3	8	9	3
28	Claro	0	Cu	4	Cu	2	Ac	1	Ac	2	6	8	8
29	Ci	7	Ci	8	Cs	8	Cs	7	Cs	8	9	9	7
30	As	8	Ac As	8	As Ac	7	Ns	8	Ac As	8	4	8	8
31	St	8	St	8	Sc	6	Sc	6	Claro	0	6	6	6
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
	9				8	0	4	Ne., Am.
	10				8	0	4	Ne., Am.
1	12				8	0	3	Ne., LL.
	14				8	0	5	Am.
	15	36.6	27.9	0.71	7	3	5	
	9				8	0	3	Ne., Am.
	10				8	0	2	LL.
2	12				8	0	2	LL.
	14				8	0	1	LL.
	15				8	0	2	LL.
	9	39.7	28.6	0.90	7	3	5	
	10	37.9	28.4	0.77	8	1	5	
3	12	43.1	30.5	1.02	7	3	4	B.
	14	52.4	34.4	1.46	3	5	4	B.
	15	47.8	33.1	1.20	0	5	5	
	9				8	0	3	Ne., Am.
	10				8	0	3	Ne., Am.
4	12				8	0	5	Am.
	14	36.2	28.3	0.64	8	0	5	
	15	32.6	24.3	0.67	8	0	5	
	9	40.3	22.9	1.41	1	5	5	
	10	43.7	25.6	1.47	0	5	5	
5	12	45.8	27.9	1.46	0	5	4	B.
	14	44.7	27.8	1.37	0	5	5	
	15	43.6	27.3	1.33	0	5	5	
	9	46.9	29.2	1.44	6	5	5	
	10	32.7	25.8	0.56	7	3	5	
6	12	52.4	33.4	1.54	5	5	5	
	14	42.9	31.4	0.93	8	2	5	
	15	33.5	28.7	0.39	8	0	5	
	9	28.1	24.8	0.71	7	0	5	
	10	34.4	26.8	0.62	7	1	5	
7	12	52.2	35.5	1.36	7	2	5	
	14	54.7	37.8	1.37	7	4	5	
	15	50.7	37.0	1.11	4	3	5	
	9	46.4	29.0	1.41	2	5	5	
	10	35.2	26.2	0.73	6	3	5	
8	12	50.1	32.4	1.41	3	5	5	
	14	49.9	32.7	1.40	4	5	5	
	15	49.2	32.5	1.36	1	5	5	
	9	42.3	26.5	1.28	3	3	5	
	10	45.9	27.9	1.46	2	5	5	
9	12	47.7	29.8	1.46	0	5	5	
	14	47.9	30.4	1.42	0	5	5	
	15	46.6	29.8	1.36	0	5	5	
	9	42.5	27.5	1.22	0	5	5	
	10	45.4	30.2	1.32	0	5	5	
10	12	50.3	33.4	1.37	0	5	5	
	14	49.2	33.2	1.30	0	5	5	
	15	47.4	32.5	1.21	0	5	5	
	9				8	0	5	Am.
	10				8	0	5	Am.
11	12	36.8	26.4	0.84	8	1	5	
	14	49.0	32.0	1.38	3	5	5	
	15	43.6	31.1	1.02	6	5	5	
	9	37.0	20.4	1.35	3	5	5	
	10	41.1	22.1	1.54	3	5	5	
12	12	43.8	24.8	1.54	2	5	5	
	14	35.6	22.7	1.05	6	3	5	
	15	30.4	20.9	0.77	6	3	5	
	9	39.8	22.3	1.42	0	5	5	
	10	42.7	24.3	1.50	1	5	5	
13	12	43.9	26.1	1.45	1	5	4	B.
	14	43.6	26.6	1.38	1	5	5	
	15	42.0	26.2	1.28	1	5	5	
	9	26.0	23.4	0.21	2	3	5	
	10	45.2	27.6	1.43	1	5	5	
14	12	47.5	30.4	1.39	1	5	5	
	14	40.6	28.9	0.95	4	3	5	
	15	35.9	27.6	0.67	3	3	5	
	9	46.2	29.7	1.34	0	5	5	
	10	47.8	30.5	1.41	1	5	5	
15	12	49.0	32.1	1.37	1	5	5	
	14	49.0	32.9	1.31	0	5	5	
	15	47.7	32.3	1.25	0	5	5	
	9	44.3	24.3	1.63	0	5	5	
	10	42.3	31.1	0.91	0	5	5	
16	12	49.3	32.7	1.35	0	5	5	
	14	49.4	33.2	1.32	0	5	5	
	15	48.6	33.3	1.24	0	5	5	
	9	44.9	30.3	1.19	2	5	5	
	10	48.2	32.4	1.28	2	5	5	
17	12	51.7	35.7	1.30	0	5	5	
	14	51.7	36.4	1.24	0	5	5	
	15	50.0	35.9	1.15	0	5	5	
	9	38.6	29.4	0.75	8	2	5	
	10	48.7	32.9	1.28	8	2	4	B.
18	12	47.3	34.3	1.06	8	2	4	B.
	14				8	0	3	LL.
	15				8	0	5	Am.
	9				8	0	5	Am.
	10				8	0	5	Am.
19	12				8	0	4	LL.
	14				8	0	4	LL.
	15				8	0	4	LL.
	9	38.4	21.0	1.41	0	5	5	
	10	41.5	23.5	1.46	0	5	5	
20	12	41.7	27.5	1.15	0	5	5	
	14	46.2	28.8	1.41	0	5	5	
	15	45.3	28.2	1.39	0	5	5	
	9	37.0	23.4	1.10	0	5	3	Ne.
	10	30.2	22.8	0.60	6	3	3	Ne.
21	12	45.6	28.4	1.40	2	5	5	
	14	46.0	28.6	1.41	2	5	5	
	15	44.9	28.2	1.36	2	5	5	
	9	30.9	23.4	0.61	7	3	5	
	10	29.9	23.4	0.53	7	3	5	
22	12	39.0	26.9	0.98	7	3	5	
	14				8	0	5	Z.
	15				8	0	4	Z.
	9				8	0	5	Am.
	10				8	0	5	Am.
23	12				8	0	5	Am.
	14	26.4	20.1	0.51	8	0	5	
	15	24.2	19.3	0.40	8	0	5	
	9	38.3	21.0	1.41	0	5	5	
	10	41.7	23.8	1.46	0	5	5	
24	12	43.7	25.9	1.45	0	5	5	
	14	43.8	26.6	1.40	0	5	5	
	15	42.4	26.3	1.31	0	5	5	
	9	38.6	21.8	1.36	0	5	5	
	10	41.3	23.6	1.44	0	5	5	
25	12	44.3	26.6	1.44	0	5	5	
	14	44.6	27.8	1.36	0	5	5	
	15	43.4	27.3	1.31	0	5	5	
	9	40.8	24.6	1.32	1	5	5	
	10	44.5	27.3	1.40	0	5	5	
26	12	46.5	29.3	1.40	1	5	5	
	14	47.1	30.1	1.38	2	5	5	
	15	44.6	29.1	1.26	1	5	5	
	9	41.3	25.7	1.27	5	5	5	
	10	44.4	27.9	1.34	6	5	5	
27	12	46.7	30.0	1.36	4	5	5	
	14	47.0	30.8	1.32	6	5	5	
	15	44.8	29.7	1.23	7	5	5	
	9	37.0	25.0	0.98	5	3	3	Ne.
	10	41.5	27.0	1.18	6	3	4	Ne.
28	12	45.8	28.8	1.38	4	5	4	Ne.
	14	45.5	29.3	1.32	2	5	5	
	15	43.0	28.5	1.18	2	5	5	
	9	39.8	25.6	1.15	8	4	5	
	10	42.6	27.9	1.20	8	4	5	
29	12	44.8	30.3	1.18	8	2	5	
	14	40.6	29.3	0.92	8	2	5	
	15	38.9	28.8	0.82	7	2	5	
	9	31.0	23.4	0.62	8	1	3	Ne.
	10	33.9	26.3	0.62	8	1	3	Ne.
30	12	37.8	28.6	0.75	8	1	4	Ne.
	14	37.7	29.0	0.71	7	1	4	Ne.
	15	30.2	25.4	0.39	7	0	4	Ne.
	9				8	0	3	Ne., Am.
	10				8	0	4	Ne., Am.
31	12				8	0	4	Ne., Am.
	14				6	0	3	Ne., Am.
	15	25.4	23.2	0.18	8	0	3	Ne.

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	N.EFECTIVA	N.TEÓR.ASTRON	H.RELATIVA
1															0.0	12.7	00
2															0.0	12.7	00
3			0.2	1.0	1.0	0.2	0.6	0.7	1.0	1.0	1.0	0.9			7.6	12.7	60
4							0.2	0.2		0.3	0.5	0.3	0.1		1.6	12.6	13
5		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5		11.1	12.6	88
6			0.1	0.8	0.6		0.3	0.9	0.5	0.1	0.6	0.4			4.3	12.5	34
7						0.4	1.0	0.3	0.4	1.0	0.9	0.9			4.9	12.5	39
8		0.3	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5		10.7	12.5	86
9			0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5		10.3	12.4	83
10		0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		10.7	12.4	86
11								0.9	1.0	1.0	1.0	1.0	0.4		5.3	12.4	43
12		0.6	0.9	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4		10.6	12.3	86
13		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6		11.2	12.3	91
14		0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6				9.1	12.3	74
15		0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5		11.0	12.2	90
16		0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3		10.7	12.2	88
17		0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3		10.7	12.1	88
18				0.1		1.0	0.7	0.2							2.0	12.1	16
19												0.2	0.4		0.6	12.1	05
20		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	12.0	92
21		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	12.0	87
22			0.8	0.5	0.1	0.2	0.3	0.1				0.2	0.1		2.3	12.0	19
23															0.0	11.9	00
24		0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4		10.8	11.9	91
25		0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7		11.1	11.9	93
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		0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4			9.7	11.8	82
28			0.8	1.0	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.5	11.7	81
29			0.9	1.0	1.0	1.0	1.0	1.0	0.8						6.7	11.7	57
30															0.0	11.7	00
31										0.3	0.1				0.4	11.6	03
Medias		0.2	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.2		6.9	12.2	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	24.4	26.0	26.4	25.0	25.6	26.0	24.0	24.0	24.4	24.0	24.2	24.4	-	-	-
2	24.8	24.7	24.8	24.9	24.8	24.7	23.4	23.2	23.0	23.8	23.7	23.5	-	-	-
3	23.8	27.4	26.6	22.8	25.6	26.1	23.5	22.8	23.8	23.3	23.3	23.6	-	-	-
4	24.7	26.0	24.4	24.6	25.0	24.7	22.3	22.6	23.0	23.2	23.2	23.1	-	-	-
5	21.0	25.5	23.6	22.0	24.4	24.0	21.6	21.7	22.2	22.8	22.4	22.7	-	-	-
6	22.2	25.4	25.4	22.4	24.2	24.7	21.4	21.6	22.6	22.3	22.2	22.6	-	-	-
7	24.1	27.9	26.7	24.3	25.8	26.3	22.3	22.7	23.5	22.7	23.0	23.3	-	-	-
8	24.5	28.2	26.2	24.6	26.7	26.2	23.1	23.3	24.0	23.3	23.3	23.7	-	-	-
9	23.3	26.7	25.6	23.8	25.7	25.4	23.0	23.0	23.5	23.7	23.3	23.6	-	-	-
10	23.4	27.0	26.0	23.7	25.7	25.7	22.8	22.9	23.5	23.3	21.3	23.5	-	-	-
11	24.2	25.8	24.6	24.4	25.0	24.7	23.0	22.8	23.4	23.6	23.6	23.6	-	-	-
12	23.3	23.7	21.7	22.4	23.6	22.8	22.1	23.8	22.4	23.1	22.7	21.4	-	-	-
13	19.0	23.2	21.7	20.2	22.4	22.2	20.3	20.6	21.0	20.7	21.6	21.6	-	-	-
14	19.8	24.2	22.6	20.3	22.8	23.0	20.2	22.4	21.3	21.4	21.3	21.6	-	-	-
15	21.8	25.8	24.4	22.0	24.2	24.0	21.0	21.6	22.0	21.8	21.8	22.2	-	-	-
16	22.8	26.5	24.9	23.0	25.0	24.8	21.5	22.1	22.5	22.2	22.0	22.5	-	-	-
17	23.7	27.8	26.4	23.6	25.6	25.8	22.2	22.5	23.4	22.7	22.8	23.4	-	-	-
18	24.6	26.5	22.2	24.4	25.6	23.5	22.8	22.8	23.4	23.2	23.0	23.0	-	-	-
19	22.8	22.6	22.2	22.8	22.7	22.4	21.6	21.6	21.2	22.1	22.2	21.7	-	-	-
20	19.0	23.2	21.4	20.1	22.4	22.1	19.8	20.0	20.5	21.0	20.8	21.0	-	-	-
21	1[illegible].6	23.4	21.8	19.8	22.0	22.0	19.4	19.6	20.4	20.6	20.7	20.8	-	-	-
22	20.2	22.6	21.5	20.5	22.0	21.7	19.6	20.0	20.2	20.8	20.8	20.8	-	-	-
23	20.4	20.3	20.0	20.6	20.7	20.4	19.7	19.3	19.3	20.4	20.2	20.0	-	-	-
24	18.0	21.8	20.3	18.4	20.6	20.6	18.7	18.6	19.2	19.7	19.5	19.6	-	-	-
25	17.1	21.6	20.5	18.3	20.5	20.5	18.0	18.2	18.9	19.3	19.2	19.5	-	-	-
26	18.7	22.8	21.4	19.2	21.2	19.4	18.5	18.6	21.1	19.5	21.6	21.6	-	-	-
27	18.4	22.8	21.4	18.2	21.5	21.5	18.6	19.0	19.4	19.6	19.5	19.6	-	-	-
28	20.0	23.0	22.0	20.1	21.8	21.8	15.4	19.6	20.2	20.0	20.0	20.2	-	-	-
29	20.0	23.3	22.1	20.3	22.1	22.1	19.3	19.5	20.0	20.1	20.0	20.3	-	-	-
30	20.4	23.0	22.7	20.5	21.9	22.3	19.6	19.7	19.8	20.4	20.0	20.6	-	-	-
31	19.4	22.3	22.4	20.4	21.8	22.0	19.8	20.0	20.2	20.2	20.8	20.6	-	-	-
Prom.	21.2	24.6	23.4	21.9	23.5	23.3	20.9	21.3	21.7	21.8	21.8	21.9	-	-	-

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	2.2	8.1	7.0	7.3	1	0.3	0.1	0.4	0.6							10504
2	-	7.5	7.5	-	2	0.1	0.1	0.3	0.5							10609
3	38.0	46.7	44.0	37.5	1	0.1	0.7	0.6	1.4	T. 1	22.2	20.3	23.2			10607
4					2	0.1	0.4	0.7	2.0							10364
5	0.0	0.0	0.0	0.0	2	0.9	0.9	0.7	2.1							10475
6	0.6	1.1	0.5	0.5	2	0.5	1.8	0.8	3.5							10509
7	-	12.5	11.6	-	2	0.9	0.8	1.4	2.4							10508
8					2	0.2	1.4	0.9	3.5	T. 2	22.4	20.8	23.3			10406
9					1	1.2	0.9	0.9	2.6							10406
10	-	6.4	5.0	5.4	0	0.8	1.4	0.9	2.8							10496
11	0.0	1.0	0.0	0.0	2	0.5	0.6	1.0	2.8							10496
12					1	1.2	0.6	1.8	2.5							10495
13					0	0.1	1.1	1.1	2.4	T. 3	21.0	20.0	23.3	20.4		10495
14					0	0.2	0.9	1.5	3.0							10495
15					0	0.6	1.1	1.3	2.9							10493
16					0	0.5	1.1	1.2	3.0							10493
17					0	0.7	1.8	1.2	4.7							10491
18	20.3	29.4	28.0	24.9	0	1.7	2.8	0.1	3.2							10487
19	7.9	9.0	8.2	8.1	2	0.3	0.2	0.1	0.4							10485
20					2	0.1	1.3	1.2	2.7							10484
21					1	0.2	0.9	1.0	2.2	T. 4	20.8	19.4	22.2			10482
22	0.5	0.7	-	0.5	0	0.3	0.7	0.4	1.3							10478
23					1	0.2	0.6	0.9	1.9	T. 5	21.4	21.2	21.6			10474
24					0	0.4	1.2	1.0	2.6							10478
25					0	0.4	1.3	0.6	3.0							10475
26					0	1.1	2.2	1.2	3.9							10477
27					0	0.5	1.4	0.9	2.6							10473
28					0	0.3	0.8	0.9	2.0	T. 6	17.8	19.1	21.5			10473
29					0	0.3	1.1	0.8	2.2							10474
30	0.0	0.5	0.0	0.0	0	0.3	0.6	0.5	1.2							10475
31					0	0.1	0.1	0.6	0.8							10476
Prom.	-	122.9	-	-	-	0.5	1.0	0.9	2.4	-	-	-	-	-	-	10485

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		
-	-	-	24.4	24.4	24.4	21.8	19.8	-	Cn. m. t. y n., Ne. m., Ru. LL. t. y n.
-	-	-	24.4	24.6	24.6	21.8	19.8	-	Cn. m. t. y n., Z. LL. m. y t.
-	-	-	24.6	24.6	24.6	21.9	19.8	-	Cn. m. t. y n, N. m, Ne. t, Ru. LL. Tv. n.
-	-	-	24.6	24.6	24.6	21.9	19.9	11.4	Cn. m. y t., Ca. n., Ne. m.
-	-	-	24.6	24.5	24.5	21.9	19.9	-	Ca. m. t. y n.
-	-	-	24.3	24.3	24.4	22.1	20.0	-	Cn. m. y t., Ca. n., Z. m., P. m.
-	-	-	24.2	24.2	24.2	22.1	20.1	21.5	Cn. m. t. y n., Z. m., R. n.
-	-	-	24.2	24.2	24.2	22.2	20.1	19.6	Ca. m. t. y n., r. n.
-	-	-	24.2	24.3	24.3	22.2	20.1	12.3	Cn. m., Ca. t. y n., N. m., Ne. n.
-	-	-	24.3	24.3	24.3	22.2	20.1	15.8	Ca. m. t. y n., r. m. y n., R. n.
-	-	-	24.3	24.3	24.3	22.2	20.1	19.6	Cn. m. y n., Ca. t., LL. m.
-	-	-	24.3	24.3	24.2	22.3	20.2	9.7	Ca. m. y n., Cn. t., r. m. y n.
-	-	-	24.2	24.3	24.3	22.3	20.2	5.1	Ca. m. t. y n., r. m. y n.
-	-	-	24.0	24.1	24.1	22.3	20.5	8.5	Ca. m. y t., Cn. n., r. m., N. n.
-	-	-	24.0	24.1	24.0	22.4	21.6	14.1	Ca. m. t. y n., r. m. y n.
-	-	-	23.9	24.0	23.9	22.5	20.1	16.5	Ca. m. t. y n., r. m. y n.
-	-	-	24.0	24.0	23.9	22.5	20.1	17.8	Ca. m. t. y n., r. m., B. t.
-	-	-	23.9	23.9	24.0	22.4	20.3	20.4	Cn. m. t. y n., Ru. t. y n., CH. t., LL. n.
-	-	-	23.9	23.9	23.9	22.3	20.3	16.4	Cn. m. y t., Ca. n., LL. t., r. n.
-	-	-	23.7	23.8	23.7	22.4	20.1	7.6	Ca. m. t. y n., r. m. y n.
-	-	-	23.7	23.7	23.7	22.3	20.1	7.4	Ca. m. t. y n., Ns. m., Ne. m. t. y n.
-	-	-	23.6	23.6	23.5	22.3	20.2	12.6	Cn. m. y t, Ca. n, Ne. m, Z. t, P. t, r.Dl. n.
-	-	-	23.3	23.3	23.2	22.4	20.1	13.1	Cn. m. y t., Ca. n., Z. m., r. n.
-	-	-	23.1	23.1	23.1	22.5	20.2	4.9	Ca. m. t. y n., r. m., Ne. n., Ns. n.
-	-	-	22.9	23.0	22.8	22.5	20.4	5.4	Ca. m. t. y n., Ns. m., Ne. n.
-	-	-	22.7	22.7	22.7	22.4	20.5	8.6	Ca. m. t. y n., r. n.
-	-	-	22.6	22.7	22.6	22.4	20.6	6.9	Cn. m. y t., Ca. n., r. m., Ne.Ns.Jl. n.
-	-	-	22.5	22.6	22.5	22.3	20.9	10.0	Ca. m. t. y n., Ne. m.
-	-	-	22.5	22.6	22.5	22.4	20.5	10.4	Cn. m. t. y n., Ns. m., Ne. m. y n., Dl.
-	-	-	22.5	22.5	22.5	22.4	20.5	10.9	Cn. m. t. y n., N. m., LL. t.
-	-	-	22.5	22.5	22.5	22.2	20.6	17.7	Cn. m. y t., Ca. n., Ne. m. y t., N. n.
-	-	-	23.7	23.8	23.7	22.2	20.2	12.5	

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	56.4	61.6	5	varios	49.3	1	1-2	22.6	26.9	18.1	33.3	7	16	11.3	5	6	6.1	12.6	49
2ª	56.7	60.4	16	10	50.4	18	12-13	20.1	25.9	14.6	32.9	17	15-16	8.4	13	5	8.2	12.2	67
3ª	59.1	64.7	25	10	54.2	23	4,5	18.1	24.0	12.6	27.3	30	13-14	7.7	25	6-7	6.5	11.8	55
MES	57.4	64.7	25	10	49.3	1	1-2	20.2	25.6	15.0	33.3	7	16	7.7	13	5	6.9	12.2	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	87	100	varios	55	8	17.6	24.5	8.5	E	8	72	3	20	7 10	13-14 8-9	76	S	3	21.06	82.3	46.7	3	26.5	3	22-23
2ª	82	100	varios	36	20	14.2	22.5	7.8	N	11	84	18	30	11	8-9	48	S	18	13.02	39.4	29.4	18	17.0	18	15-16
3ª	86	100	varios	44	24	12.8	19.5	7.6	S	6	48	27	18	23 26	13-14 8-9	26	S	23	8.40	1.2	0.7	22	0.7	22	17-18
MES	85	100	varios	36	20	14.8	24.5	7.6	E	7	84	18	30	11	8-9	76	S	3	21.06	122.9	46.7	3	26.5	3	22-23

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	7	-	4	2	-	-	-	5	1	-	-	-	-	-	1	4	4
2ª	8	1	-	1	-	-	-	3	-	-	1	-	-	-	1	1	1
3ª	7	-	3	6	4	-	-	1	2	-	-	-	-	-	-	-	-
MES	22	1	7	9	4	-	-	9	3	-	1	-	-	-	2	5	5

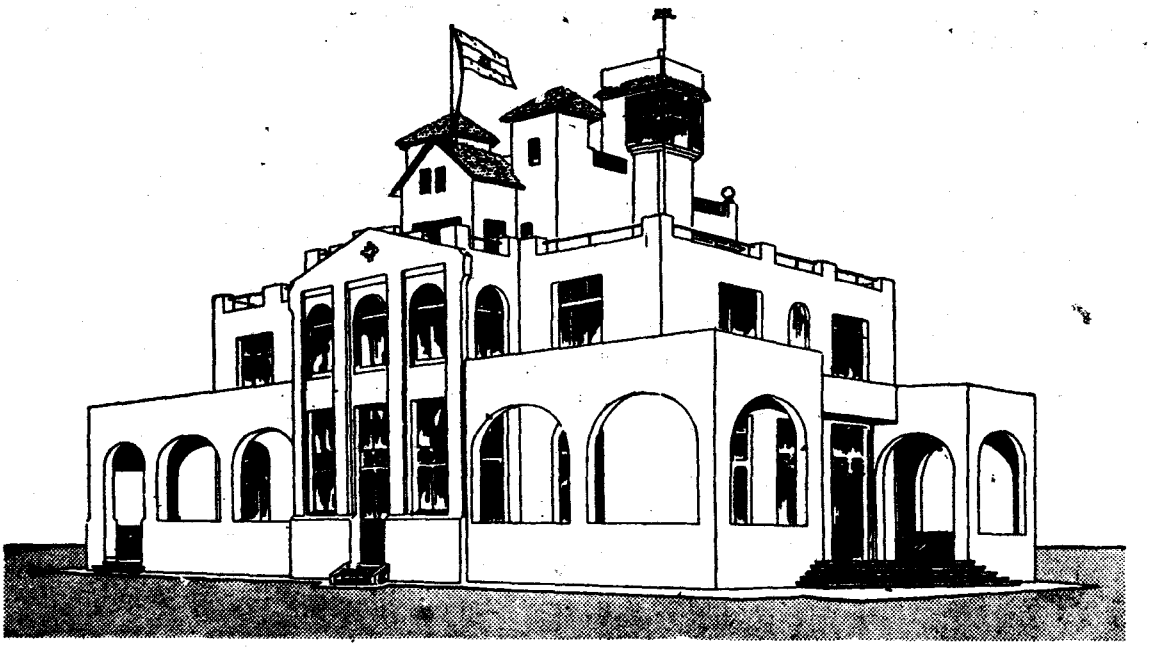
DÉCADA	FENÓMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
1ª	2	-	-	-	-	-	-	-	-	1	-	-	2	-	7	-
2ª	8	-	-	-	-	-	-	-	-	-	-	1	1	-	6	-
3ª	5	-	-	-	-	-	2	-	1	1	-	-	2	-	4	-
MES	15	-	-	-	-	-	2	-	1	2	-	1	5	-	17	-

OBSERVATORIO DE FISICA COSMICA

DE

SAN MIGUEL (R. ARGENTINA)

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



BOLETIN MENSUAL

GEOELECTRICIDAD Y METEOROLOGÍA

VOLUMEN VIII

AÑO 1953

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BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VIII ABRIL 1953 Nº 4

RESUMEN MENSUAL

La primera década de este mes se divide en dos períodos distintos. Durante los primeros cinco días el Observatorio está, en parte rodeado de aire tropical, en parte muy cerca de sus estribaciones meridionales. Por lo tanto temperatura y humedad se encuentran sobre sus términos medios alcanzando en este mismo lapso (el día 2) sus valores máximos mensuales con 28.8°C y 18.0 mmHg respectivamente. Un débil frente frío que pasa en la noche del 2 al 3 no altera el estado general del tiempo que puede considerarse como caluroso y húmedo para esta altura del año. (Los promedios diarios oscilan alrededor de 20.0°C y los de la tensión del vapor alrededor de 15.0 mmHg). Durante el día 6 llega una corriente de aire polar hasta el Río de la Plata produciendo elevada nubosidad, lluvias ligeras y un continuo descenso de la temperatura. En este aire polar el cielo aclara y se registra el día 7 el mayor número de horas de brillo solar de este mes. El continuo aporte de masas de aire desde el Sur mantiene la temperatura unos 3 a 4 grados por debajo de su término medio, variando los promedios diarios alrededor de 13.0°C, mientras la tensión del vapor registra valores de unos 9.0 mmHg.

A causa de una corriente del norte, en los primeros días de la segunda década suben la temperatura y humedad. Pero en la madrugada del 13 se registra un pasaje de frente frío que produce un marcado descenso de temperatura y humedad absoluta y un brusco aumento de la presión atmosférica. Al mismo tiempo caen lluvias copiosas. El cielo aclara rápidamente y reina tiempo bueno y fresco hasta el día 17 con temperaturas hasta de 5.0°C por debajo de su término medio y el 16 la temperatura de la superficie terrestre desciende por primera vez en este año por debajo del punto de congelación. El 18 un aflujo de aire desde regiones tropicales causa un aumento de temperatura, humedad y nubosidad, mientras la presión atmosférica está en marcado descenso. Antes de la llegada de un frente frío en la mañana del 20, la presión baja a su nivel mínimo mensual al marcar un valor de 746.8 mmHg.

La afluencia continua de aire polar en los primeros días de la última década produce un continuo descenso de temperatura y humedad absoluta y un ascenso de la presión atmosférica, de modo que estos tres elementos alcanzan sus valores extremos mensuales el día 23 con 2.5°C y 5.0 mmHg temperatura y tensión del vapor respectivamente y con 770.6 mmHg la presión. Reina tiempo bueno y a partir del 25 se nota un aumento de temperatura y humedad en una corriente del sector norte. Un frente de altura que avanza en forma rápida desde el oeste, produce durante la noche del 29 al 30 lluvias intensas y en esta ocasión cae más de la mitad de la lluvia mensual (30.0 mm con un total mensual de 58.0 mm). El último día del mes tiene tiempo nublado en una aeromasa fresca.

En los promedios mensuales se muestra el predominio de los empujes de aire fresco y seco sobre los de masas de aire calientes y húmedos siendo las desviaciones de los promedios mensuales, negativos en los elementos de temperatura y humedad y positivos en la presión atmosférica y heliofanía. La precipitación alcanza sólo la mitad del valor 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	179	172	233	207	138	200	284	207	233	233	226	179	138	117	110
2	124	145	110	124	90	90	200	357	246	131	97	104	104	97	90
3	48	55	76	83	76	110	83	152	90	138	117	76	48	69	69
4	152	179	131	62	28	28	28	34	55	62	83	110	124	131	138
5	48	48	69	55	62	34	28	28	145	138	138	97	83	97	90
6	76	90	69	83	124	90	28	41	83	90	138	166	83	- 76	48
7	41	34	41	34	48	55	48	83	110	104	104	97	69	117	110
8	-	-	-	-	-	-	-	-	-	-	138	138	152	124	- 41
9	69	110	138	110	69	97	145	110	69	62	97	104	97	90	83
10	76	55	83	76	- 14	- 7	7	14	7	83	104	104	138	138	104
11	76	76	83	69	90	90	110	166	124	152	124	110	97	124	145
12	220	259	138	207	136	145	62	117	233	193	131	159	159	124	166
13	110	110	90	-	± ∞	-	-	152	104	179	138	138	166	259	226
14	83	76	83	76	83	97	110	138	200	220	220	193	179	152	152
15	-	-	-	-	-	-	-	-	97	152	124	110	104	104	97
16	76	97	124	131	124	145	159	213	179	186	131	124	138	166	172
17	97	69	69	69	90	90	83	76	110	179	179	138	138	104	117
18	62	41	28	28	41	55	48	110	159	179	159	124	131	131	131
19	83	76	69	55	76	69	69	104	110	117	138	124	55	76	124
20	- 28	-152	239	322	48	- ∞	246	76	62	83	166	138	55	48	55
21	41	62	76	76	83	97	97	76	69	48	69	138	220	- 69	- 28
22	48	48	48	55	62	62	62	69	76	90	97	90	90	83	97
23	62	69	76	76	90	83	97	104	69	97	110	104	83	69	62
24	76	90	117	110	90	90	131	138	213	220	193	-	-	-	193
25	110	76	83	97	117	138	172	124	76	97	104	104	104	104	110
26	69	55	62	69	76	69	83	104	83	90	90	104	90	110	117
27	69	69	83	97	90	83	83	90	104	104	110	110	90	83	83
28	62	62	69	76	76	83	90	104	69	69	83	90	69	90	83
29	131	97	104	62	90	69	69	83	55	97	117	138	131	138	131
30	-	-	-	-	-	-	-	-	83	97	117	117	104	90	97
31															
Prom.	93.9	94.9	94.4	91.2	85.4	91.6	102.9	123.8	120.3	127.0	122.7	115.2	103.6	105.4	111.5

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	0.62	0.50	1.12	1.24	685	157	842	-	0.63	2.24
2	0.90	0.84	1.74	1.07	225	300	525	0.75	2.80	1.96
3	0.68	0.64	1.32	1.06	384	338	722	1.14	1.24	1.32
4	1.00	0.99	1.99	1.01	565	473	1038	1.19	1.24	1.46
5	1.06	1.03	2.09	1.03	624	335	959	1.86	1.19	2.15
6	1.09	1.12	2.21	0.97	693	590	1283	1.17	1.10	1.33
7	0.95	0.89	1.84	1.07	707	639	1346	1.10	0.94	0.97
8	0.88	0.77	1.65	1.14	570	398	968	1.44	1.08	1.35
9	1.13	1.07	2.20	1.06	613	417	1030	1.47	1.49	1.56
10	0.88	0.80	1.68	1.10	501	482	983	1.04	1.23	1.16
11	0.83	0.71	1.54	1.17	554	409	963	1.35	1.05	1.21
12	0.67	0.54	1.21	1.24	370	217	587	1.70	1.27	1.74
13	1.03	0.94	1.97	1.10	582	402	984	1.45	1.37	1.64
14	0.76	0.66	1.42	1.15	635	468	1103	1.36	0.84	0.99
15	0.97	0.94	1.91	1.03	735	565	1300	1.03	0.92	1.16
16	0.94	0.79	1.73	1.19	510	344	854	1.19	1.29	1.60
17	0.70	0.62	1.32	1.12	502	425	927	1.13	0.98	1.02
18	0.80	0.78	1.58	1.02	498	375	873	1.33	1.12	1.45
19	0.99	1.07	2.06	0.92	656	608	1264	1.08	1.05	1.23
20	1.40	1.35	2.75	1.03	-	536	-	-	-	1.76
21	1.20	1.15	2.35	1.04	559	1054	1613	-	1.50	0.76
22	0.92	0.78	1.70	1.18	451	765	1216	0.59	1.42	0.71
23	0.61	0.47	1.08	1.30	328	246	574	1.33	1.30	1.33
24	0.63	0.55	1.18	1.14	421	385	806	1.09	1.04	1.00
25	0.76	0.66	1.42	1.15	559	475	1034	1.18	0.95	0.97
26	0.79	0.68	1.47	1.16	624	512	1136	1.22	0.89	0.93
27	0.90	0.82	1.72	1.10	746	577	1323	1.29	0.84	0.99
28	0.82	0.71	1.53	1.15	645	486	1131	1.33	0.89	1.02
29	0.84	0.80	1.64	1.05	603	584	1187	1.03	0.97	0.96
30	0.92	0.89	1.81	1.03	778	594	1372	1.31	0.83	1.05
31										
Prom.	0.87	0.80	1.67	1.08	565	469	1034	1.20	1.08	1.19

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	110	55	69	90	110	104	110	97	155.2	345	28	317	0
87	90	97	110	131	179	55	14	7	120.0	454	- 55	509	1
62	55	69	124	172	172	159	179	179	102.5	345	00	345	0
166	152	157	145	138	90	124	145	83	106.0	207	14	193	0
104	124	138	110	110	97	76	55	41	84.0	193	00	193	0
83	104	110	97	41	83	97	55	41		297	-224	521	2
117	104	55	55	34	34	34	-	-		152	00	152	1*
145	159	83	97	97	110	97	69	62		213	-296	509	1*
76	83	83	110	104	83	69	76	90	92.7	193	28	165	0
179	110	124	138	124	90	83	76	69		322	- 62	384	2
179	179	152	179	83	124	159	304	265	135.8	402	14	388	0
159	179	207	220	297	246	246	193	145	181.0	368	21	347	0
246	97	41	55	62	83	69	90	83		∞	- ∞	-	3*
117	110	-	-	-	-	-	-	-		246	7	239	0*
97	-	-	-	-	-	97	62	69		179	- 28	207	1*
193	226	179	193	186	159	124	104	110	151.6	414	48	366	0
186	179	159	179	145	145	131	110	97	122.4	310	7	303	0
138	152	138	152	179	138	124	83	83	108.9	259	- 7	266	1
166	166	213	152	207	97	83	55	14	104.1	297	-671	968	1
55	55	76	97	55	48	48	48	48		506	- ∞	-	3*
-	± ∞	-195	- 41	- 41	- 69	- 14	-	-		∞	- ∞	-	3*
90	83	104	104	90	83	69	41	41	74.2	124	28	96	0
76	90	83	83	76	60	41	31	69	77.5	163	- 36	199	1
131	131	124	104	83	97	159	193	179		304	34	270	0*
124	145	220	226	179	117	97	76	69	119.5	345	41	304	0
104	152	179	200	233	186	124	83	76	108.7	272	48	224	0
110	124	117	124	104	76	48	55	55	90.0	220	28	192	0
124	186	207	166	138	69	69	69	62	94.4	310	7	303	0
138	138	159	138	97	131	239	207	145	121.0	304	- 21	325	1
110	104	104	83	76	69	83	83	110		138	7	131	0*
126.6	137.5	142.9	146.5	145.2	124.3	112.7	104.7	90.9	113.1				

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^-		
8036	8968	17004	0.90	5.81	16,500
6801	7588	14389	0.90	6.97	17,250
11063	9222	20285	1.19	4.52	33,000
5059	6125	11184	0.83	7.04	33,000
2434	4228	6662	0.57	5.86	4,000
5188	4379	9567	1.18	-	17,500
9424	6054	15478	1.57	-	12,000
8362	6061	14423	1.38	-	-
10931	8501	19432	1.28	6.80	-
9753	11347	21090	0.86	-	38,750
7631	10968	18599	0.70	6.89	-
10799	11700	22499	0.92	7.30	-
5907	5982	11889	0.99	-	18,250
4341	4604	8945	0.94	-	20,500
4721	4771	9492	0.99	-	10,900
6353	7176	13529	0.89	8.73	21,000
6808	7641	14449	0.89	5.39	-
5979	6575	12554	0.91	5.73	17,000
2690	3173	5863	0.86	7.15	24,500
2273	2332	4605	0.97	-	12,250
1571	5211	6782	-	-	19,500
5006	5871	10877	0.85	4.20	20,250
10995	11936	22931	0.92	2.79	30,500
11214	11998	23212	0.94	-	19,750
6155	6037	12192	1.02	5.65	29,750
5418	5798	11216	0.93	5.33	24,750
3811	4375	8186	0.87	5.15	12,000
3924	4634	8558	0.82	4.79	18,250
4000	4112	8112	0.97	6.63	13,750
3365	3888	7253	0.87	-	15,000
6336	6897	13233	0.92	5.92	19,996

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	0.37	0.36	0.40	0.47	0.59	0.46	0.42	0.36	0.42	0.48	0.58	0.65
2	0.50	0.56	0.60	0.61	0.74	0.68	0.87	-	0.82	1.05	1.15	1.16
3	1.02	1.00	1.06	0.96	1.04	1.22	1.30	1.11	0.69	0.56	0.45	0.44
4	0.36	0.50	0.95	-	-	-	-	-	1.74	1.52	1.12	1.05
5	0.96	0.94	0.74	1.12	0.63	0.93	0.61	0.68	0.99	0.99	1.16	1.24
6	0.81	0.99	1.26	0.40	0.72	1.33	1.32	1.21	1.00	0.96	0.86	0.74
7	1.36	1.39	1.48	1.48	1.48	1.25	1.11	0.84	1.02	0.98	1.07	0.90
8	0.80	0.84	0.93	0.77	0.82	0.72	0.79	0.87	0.87	0.89	1.02	1.04
9	1.20	1.01	0.91	1.08	1.24	1.08	0.93	1.44	1.37	1.39	1.00	1.00
10	-	-	-	-	-	-	-	-	0.82	0.80	0.87	0.96
11	0.89	1.08	0.99	1.10	0.90	1.03	0.89	0.92	1.09	0.97	1.01	1.04
12	0.52	0.46	0.52	0.70	0.79	0.83	0.70	0.81	0.80	0.69	0.74	0.72
13	0.80	0.99	1.05	0.86	0.68	0.70	1.15	1.50	1.39	1.15	-	-
14	-	-	-	-	-	-	-	-	0.92	0.71	0.61	0.60
15	1.12	1.21	1.34	-	-	-	-	-	0.91	0.87	0.84	0.76
16	-	1.75	1.66	1.35	1.32	1.70	1.52	1.19	0.85	0.85	0.89	1.01
17	0.70	0.47	0.76	0.72	0.65	0.60	0.38	0.38	0.87	0.80	0.79	0.76
18	0.87	0.69	0.83	0.68	0.60	0.48	0.54	0.99	0.80	0.82	0.80	1.00
19	1.24	1.26	1.24	1.00	0.80	0.52	0.85	0.96	1.04	1.00	0.78	1.00
20	-	-	-	-	-	-	-	-	-	-	-	-
21	1.57	1.58	1.49	1.60	1.62	1.53	0.52	-	-	0.89	-	0.82
22	1.47	1.47	1.09	1.39	-	-	-	-	0.80	0.87	0.77	0.77
23	-	-	-	-	-	-	-	-	1.84	1.14	0.61	0.62
24	0.66	0.66	0.69	0.58	0.56	0.59	0.61	0.68	0.97	0.79	0.80	0.78
25	0.64	0.72	0.64	0.57	0.54	0.77	0.82	-	0.99	0.96	0.80	0.85
26	1.20	0.82	0.98	0.99	1.04	0.82	1.17	0.78	1.00	0.82	0.94	0.95
27	0.85	0.67	0.84	0.82	1.12	1.06	0.89	0.94	0.99	0.95	0.95	0.94
28	0.60	1.00	0.90	0.80	0.75	1.18	1.20	0.98	0.56	0.50	0.79	0.89
29	1.26	1.27	0.77	0.72	1.07	0.93	0.67	1.06	0.80	1.00	0.93	0.78
30	0.87	0.65	0.94	0.68	1.20	0.91	0.92	0.72	1.08	1.14	0.95	0.68
31												
Promedio	0.90	0.93	0.96	0.89	0.91	0.93	0.88	0.92	0.98	0.92	0.86	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	0.29	0.29	0.29	0.30	0.36	0.30	0.30	0.30	0.32	0.37	0.44	0.48
2	0.42	0.40	0.52	0.56	0.64	0.72	1.49	-	0.56	1.00	1.12	1.08
3	1.04	1.04	1.04	0.89	1.04	1.14	1.20	0.92	0.65	0.53	0.40	0.39
4	0.34	0.42	0.51	-	-	-	-	-	1.66	1.33	1.05	1.07
5	1.19	0.71	1.23	1.18	0.90	0.90	0.70	0.92	0.92	0.99	1.03	1.20
6	1.20	1.52	1.29	0.57	0.70	1.30	1.12	1.12	0.96	0.90	0.68	0.60
7	1.36	1.40	1.48	1.40	1.40	1.20	0.96	0.84	0.94	1.04	1.01	0.80
8	0.55	0.60	0.70	0.55	0.70	0.75	0.79	0.65	0.78	0.83	1.05	1.08
9	1.10	0.89	0.81	0.96	1.29	0.88	0.78	1.42	1.38	1.36	1.00	0.97
10	-	-	-	-	-	-	-	-	0.80	0.78	0.84	0.94
11	0.77	0.96	0.98	0.87	0.76	0.81	0.68	0.70	0.96	0.94	0.94	0.99
12	0.42	0.38	0.47	0.53	0.60	0.58	0.49	0.54	0.55	0.48	0.62	0.76
13	0.64	0,62	0.66	0.72	1.19	-	0.91	1.52	1.24	-	-	-
14	-	-	-	-	-	-	-	-	0.72	0.60	0.51	0.50
15	1.05	1.08	1.15	-	-	-	-	-	0.89	0.78	0.74	0.78
16	1.44	1.52	1.44	1.18	0.74	0.70	0.70	0.70	0.78	0.73	0.99	1.09
17	0.65	0.40	0.60	0.67	0.53	0.55	0.30	0.48	0.80	0.74	0.78	0.80
18	0.62	0.61	0.73	0.63	0.51	0.71	1.14	1.20	0.95	0.76	0.80	0.97
19	1.22	1.16	1.18	0.90	0.64	1.26	1.24	1.25	0.95	0.98	0.76	1.00
20	-	-	-	-	-	-	-	-	-	-	-	0.84
21	1.58	1.61	1.58	1.66	1.56	1.42	0.92	1.81	-	0.92	1.06	0.93
22	1.35	1.16	0.79	0.94	-	-	-	-	0.68	0.70	0.72	0.73
23	-	-	-	-	-	-	-	-	1.47	0.81	0.59	-
24	0.48	0.52	0.60	0.58	0.47	0.48	0.61	0.66	0.89	0.72	0.73	0.76
25	0.49	0.42	0.46	0.49	0.39	0.66	-	-	0.87	0.84	0.76	0.89
26	1.10	0.72	0.96	0.90	0.96	0.64	0.75	0.65	0.90	0.76	0.80	0.80
27	0.82	1.08	0.58	0.82	0.96	0.78	0.60	0.87	0.93	0.95	0.84	0.92
28	0.52	0.82	0.69	0.60	0.71	0.95	0.93	0.74	0.49	0.42	0.76	0.82
29	1.14	1.04	0.64	0.74	0.98	0.76	0.49	0.88	0.65	0.91	0.89	0.78
30	0.87	1.23	0.81	1.40	1.26	0.97	0.86	0.59	1.04	1.02	0.77	0.64
31												
Promedio	0.87	0.87	0.85	0.84	0.84	0.84	0.82	0.89	0.88	0.83	0.81	0.84

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
0.82	0.84	0.90	1.11	1.10	0.93	0.95	0.84	0.46	0.44	0.50	0.52	0.62
1.12	1.00	1.06	1.16	1.14	1.22	0.81	0.58	0.76	1.07	1.11	1.00	0.90
0.42	0.48	0.54	0.60	0.52	0.40	0.50	0.40	0.39	0.40	0.38	0.36	0.68
1.06	1.30	1.30	1.08	1.09	0.87	0.58	0.52	0.89	0.86	–	1.16	1.00
1.40	1.37	1.38	1.30	1.18	0.74	1.61	1.38	0.56	0.70	1.62	1.22	1.06
1.11	1.08	1.17	1.29	1.20	1.07	0.49	1.30	1.70	1.42	1.38	1.37	1.09
0.86	0.90	0.92	0.88	0.76	0.74	0.60	0.53	0.60	0.53	0.55	0.54	0.95
1.02	1.10	0.86	0.78	0.80	0.80	0.68	0.72	0.84	0.80	1.10	1.30	0.88
0.97	1.06	1.08	1.18	1.21	1.22	–	–	–	–	–	–	1.13
0.88	0.76	0.92	0.84	0.85	0.84	0.61	0.90	1.02	1.06	0.95	0.96	0.88
1.17	1.16	1.01	0.74	0.44	0.52	0.55	0.52	0.49	0.50	0.49	0.48	0.83
0.82	0.97	0.66	0.87	0.84	0.78	0.48	0.50	0.44	0.50	0.44	0.45	0.67
–	–	–	–	–	–	–	–	–	–	–	–	1.03
0.72	0.80	0.79	0.84	0.82	0.72	0.59	0.57	0.76	0.97	0.96	0.84	0.76
0.82	1.07	1.02	1.00	0.92	1.20	0.58	0.90	0.92	1.03	–	–	0.97
0.96	0.70	0.69	0.66	0.64	0.65	0.59	0.50	0.52	0.55	0.55	0.64	0.94
1.06	1.29	0.94	0.78	0.78	0.72	0.54	0.58	0.62	0.52	0.43	0.58	0.70
1.11	1.04	1.02	1.10	0.82	0.54	0.50	0.51	0.50	0.80	0.88	1.17	0.80
1.26	–	–	–	–	–	–	–	–	–	–	–	0.99
1.28	1.00	1.48	1.44	1.20	1.28	1.33	1.42	1.56	1.55	1.68	1.57	1.40
0.92	0.99	–	1.12	1.08	0.88	0.78	–	1.29	1.20	1.35	1.35	1.20
0.82	0.97	0.99	1.07	0.84	0.52	0.50	0.44	0.83	–	–	–	0.92
–	–	–	0.42	0.39	0.35	0.35	0.41	0.34	0.40	0.47	0.60	0.61
0.94	0.76	0.65	0.46	0.38	0.40	0.47	0.41	0.44	0.53	0.50	0.78	0.63
1.00	1.07	1.10	0.68	0.86	0.48	0.35	0.42	0.62	0.70	0.80	1.17	0.76
0.92	0.87	0.72	0.80	0.76	0.48	0.43	0.38	0.33	0.34	0.78	0.66	0.79
1.16	1.21	1.14	0.70	0.94	0.46	0.52	0.60	0.90	1.04	0.84	1.10	0.90
0.95	0.94	0.92	0.73	0.76	0.47	0.40	0.50	0.69	1.00	1.17	1.06	0.82
0.88	0.82	0.54	0.61	0.75	0.78	0.92	0.34	0.78	0.79	0.72	0.90	0.84
0.92	0.88	0.97	0.94	1.02	1.02	1.05	1.08	0.94	0.92	0.87	0.73	0.92
0.98	0.98	0.95	0.90	0.86	0.75	0.66	0.66	0.75	0.79	0.86	0.90	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
0.66	0.78	0.84	0.97	0.96	0.90	0.70	0.50	0.39	0.42	0.42	0.39	0.50
0.87	0.87	1.05	1.18	1.04	0.83	0.71	0.50	0.53	1.09	1.18	1.04	0.84
0.41	0.44	0.55	0.55	0.46	0.40	0.44	0.36	0.37	0.37	0.36	0.34	0.64
1.14	1.26	1.26	1.04	1.06	0.62	0.60	0.64	1.27	–	–	1.54	0.99
1.38	1.36	1.44	1.16	1.04	0.50	0.64	0.95	0.64	1.15	1.36	1.22	1.03
1.09	1.14	1.24	1.31	1.16	1.02	0.48	1.63	1.72	1.44	1.41	1.41	1.12
0.84	0.84	0.87	0.82	0.82	0.66	0.44	0.44	0.55	0.42	0.44	0.42	0.89
0.98	1.05	0.90	0.78	0.64	0.55	0.53	0.56	0.70	0.70	0.94	1.10	0.77
1.00	1.09	1.03	1.06	1.18	–	–	–	–	–	–	–	1.07
0.84	0.79	0.86	0.77	0.77	0.66	0.58	0.76	0.78	0.84	0.92	0.96	0.80
1.18	0.96	0.76	0.58	0.33	0.40	0.42	0.37	0.39	0.39	0.40	0.42	0.71
0.78	0.80	0.62	0.78	0.72	0.51	0.42	0.37	0.36	0.37	0.36	0.38	0.54
–	–	–	–	–	–	–	–	–	–	–	–	0.94
0.64	0.96	0.72	0.72	0.68	0.58	0.42	0.46	0.64	0.82	0.76	0.76	0.66
0.82	1.04	0.92	0.84	0.80	0.95	0.66	0.58	0.88	0.87	1.28	1.72	0.94
0.92	0.65	0.68	0.68	0.65	0.58	0.40	0.42	0.42	0.44	0.51	0.62	0.79
1.12	1.06	0.89	0.70	0.70	0.55	0.40	0.42	0.40	0.36	0.42	0.52	0.62
1.07	1.06	1.00	0.91	0.64	0.42	0.42	0.30	0.42	0.66	0.96	1.18	0.78
1.34	–	–	–	–	–	–	–	–	–	–	–	1.07
1.08	0.90	1.42	1.38	1.21	1.30	1.35	1.44	1.58	1.66	1.71	1.66	1.35
0.84	0.97	1.06	1.01	0.98	0.72	0.72	0.69	0.82	1.12	–	1.26	1.15
0.87	0.94	0.96	1.04	0.82	0.40	0.42	0.40	0.39	–	–	–	0.78
–	–	–	0.25	0.32	0.25	0.29	0.29	0.25	0.28	0.40	0.46	0.47
0.84	0.69	0.55	0.36	0.32	0.29	0.36	0.30	0.40	0.44	0.44	0.68	0.55
0.94	1.06	0.98	0.56	0.76	0.31	0.25	0.33	0.46	0.50	0.84	1.15	0.66
0.78	0.72	0.72	0.74	0.60	0.38	0.38	0.32	0.27	0.28	0.64	0.56	0.68
1.12	1.25	1.05	0.66	0.84	0.33	0.42	0.50	0.83	0.86	0.75	0.94	0.82
0.90	1.00	0.80	0.62	0.55	0.33	0.36	0.46	0.64	0.83	1.04	1.02	0.71
0.78	0.68	0.53	0.50	0.88	0.72	0.98	0.97	0.90	0.86	0.76	0.78	0.80
0.95	0.85	0.86	0.80	1.00	0.94	0.96	0.87	0.96	0.64	0.76	0.40	0.89
0.94	0.93	0.91	0.81	0.78	0.60	0.55	0.59	0.66	0.71	0.79	0.88	0.80

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	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-
3	521	521	608	434	521	608	608	707	521	521	347	260
4	174	260	260	521	707	658	521	608	782	1035	955	868
5	608	608	782	707	707	521	434	-	-	-	-	-
6	-	-	-	-	-	-	-	521	608	608	521	608
7	782	782	782	782	868	868	608	608	1275	1275	1275	1035
8	434	434	521	347	521	434	434	434	608	608	1115	1035
9	521	434	347	434	608		434	707	868	707	1194	1035
10	260	347	347	434	260	174	260	347	-	-	-	868
11	434	608	521	521	434	608	521	707	707	955	1035	868
12	174	260	260	347	434	347	347	390	347	434	521	434
13	608	434	434	347	608	608	1035	1194	955	868	434	521
14	782	782	782	868	782	608	521	608	868	868	707	707
15	707	707	707	-	-	-	-	-	868	1194	1115	1115
16	608	608	521	521	347	347	434	434	707	868	738	868
17	304	434	440	347	347	347	174	304	707	707	955	707
18	434	434	390	347	260	260	347	260	478	707	782	782
19	748	614	707	695	608	608	806	707	1035	521	434	521
20	-	-	-	-	-	-	-	-	-	-	-	-
21	-	608	434	868	868	825	738	905	1065	-	868	347
22	434	347	347	347	347	347	347	174	347	608	608	825
23	347	303	347	347	477	393	393	434	434	521	657	-
24	260	260	260	174	347	174	260	-	794	909	909	864
25	347	347	303	260	347	477	-	-	707	782	868	868
26	868	782	782	744	695	707	707	564	868	868	911	787
27	608	782	707	707	707	608	707	608	707	868	955	1035
28	868	868	782	782	782	744	782	868	707	657	707	707
29	744	782	782	707	707	707	707	608	608	608	521	521
30	1021	1075	868	911	657	955	868	782	911	1035	955	868
31												
Promedio	544	555	539	540	558	535	541	586	739	780	803	762

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	150	150	75	75	150	150	75	75	150	150
2	226	312	226	312	312	312	226	226	150	376	451	376
3	526	526	526	376	451	451	526	715	376	451	312	226
4	150	75	75	226	312	451	451	526	1052	1250	1188	976
5	339	312	489	451	376	226	150	-	-	-	-	-
6	-	-	-	-	-	-	-	376	526	376	312	312
7	676	676	676	752	752	752	526	526	1390	1460	1320	1120
8	150	150	150	150	226	226	312	312	382	457	1120	1120
9	226	312	150	226	312	226	150	376	751	676	1250	1120
10	226	226	150	150	312	226	226	312	676	1014	1154	1052
11	376	451	312	226	312	188	226	226	602	940	1188	905
12	150	75	113	226	226	226	231	150	150	150	312	226
13	150	150	150	451	-	-	905	941	602	602	312	312
14	602	676	602	602	526	376	226	344	602	828	676	602
15	489	-	-	-	-	-	-	864	1250	1188	1188	905
16	226	150	150	150	194	150	150	312	602	905	976	905
17	226	226	226	226	226	150	226	312	676	828	1052	828
18	226	226	150	150	150	150	150	226	419	526	752	828
19	602	602	639	439	376	526	526	451	526	602	754	905
20	-	-	-	-	-	-	-	-	-	-	-	150
21	752	676	676	676	602	676	602	562	602	974	1320	1725
22	905	752	451	376	369	344	376	301	344	451	828	976
23	269	269	226	226	226	312	301	312	376	344	312	-
24	150	301	226	150	226	226	188	226	826	1086	976	905
25	150	150	150	150	226	301	-	-	676	866	1048	976
26	714	714	752	601	564	451	451	451	753	976	976	826
27	376	602	526	488	451	413	488	451	639	902	976	905
28	676	602	602	602	564	526	526	451	639	639	602	602
29	564	526	639	601	526	526	526	526	639	602	526	564
30	-	-	-	1071	1333	902	714	526	905	1120	905	752
31												
Promedio	378	377	353	380	393	361	366	413	614	738	819	759

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	707	707	707	521	-	-	-	-	-	-	-	685
-	-	-	-	-	86	86	174	174	434	312	312	225
260	347	434	347	260	260	260	174	174	174	174	174	384
868	868	782	707	707	608	312	312	260	260	260	260	565
-	-	-	-	-	-	-	-	-	-	-	-	624
707	782	707	782	707	707	608	608	955	782	782	782	693
868	707	707	707	707	434	347	347	347	260	260	347	707
1035	868	434	608	608	434	347	434	434	434	521	608	570
782	782	707	707	707	608	521	521	434	434	434	347	613
868	707	707	521	521	521	434	608	608	521	608	608	501
868	782	782	608	434	260	347	260	260	260	260	260	554
521	521	434	521	521	434	347	260	260	260	260	260	370
347	347	260	260	434	434	608	707	434	608	782	707	582
707	707	608	608	521	434	347	434	434	521	521	521	635
955	955	868	782	608	608	434	434	434	434	521	521	735
782	868	608	217	608	347	434	260	347	260	260	260	510
695	1035	868	608	434	347	217	434	434	347	434	434	502
868	831	521	695	521	304	347	434	347	521	565	521	498
608	570	-	-	-	-	-	-	-	-	-	-	656
-	-	-	-	-	-	-	-	-	-	-	-	-
347	347	434	434	434	260	347	347	434	434	521	434	559
707	744	782	707	657	390	347	260	260	260	303	340	451
-	-	173	260	260	174	174	174	130	288	347	260	328
782	707	521	260	260	260	260	260	174	260	260	477	421
707	744	707	707	707	390	347	347	434	434	608	868	559
564	521	707	744	564	434	260	260	260	434	521	434	624
868	868	868	955	782	434	434	521	707	782	825	868	746
608	608	564	521	564	217	260	390	390	657	707	744	645
521	521	521	477	521	657	787	347	608	477	434	608	603
782	707	707	707	707	707	707	707	614	521	521	390	778
708	672	620	583	549	413	382	385	398	425	462	475	565

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
226	312	376	312	150	150	150	150	150	150	150	150	157
312	451	376	312	226	150	150	150	150	451	526	451	300
226	312	376	312	226	226	226	150	150	150	150	150	338
828	752	602	602	526	226	226	150	150	226	150	188	473
-	-	-	-	-	-	-	-	-	-	-	-	335
526	828	676	752	602	451	676	676	905	676	676	676	590
866	676	602	602	602	376	226	150	150	150	150	150	639
976	752	676	451	312	226	226	226	226	188	312	226	398
752	602	526	526	382	231	226	226	150	150	226	226	417
976	752	676	451	451	312	226	344	376	451	451	376	482
905	602	526	338	226	226	150	150	226	150	226	150	409
226	312	376	376	226	188	226	226	226	226	226	150	217
226	150	226	150	269	376	451	451	312	451	602	602	402
602	526	526	376	376	312	226	226	226	312	344	526	468
905	828	676	526	226	226	150	150	150	150	150	150	565
602	602	602	376	226	75	150	150	150	150	150	150	344
976	976	828	639	312	226	226	226	150	150	150	150	425
828	715	602	526	338	150	150	150	226	312	451	602	375
905	-	-	-	-	-	-	-	-	-	-	-	608
226	434	451	676	602	526	526	526	676	752	676	752	536
2408	2135	1825	1162	1425	1355	902	790	826	752	905	976	1054
1166	1665	1665	1460	1320	1154	866	752	601	526	376	344	765
-	-	75	155	226	226	188	226	226	226	226	226	246
790	676	451	226	188	150	269	226	150	150	188	301	385
790	719	676	790	753	150	150	150	226	301	376	639	473
413	344	602	602	419	269	226	150	150	312	312	269	512
828	752	676	715	526	269	226	312	488	602	639	602	577
639	526	526	451	269	188	150	150	269	413	526	526	486
451	301	678	677	936	381	636	676	488	639	714	676	584
676	526	488	413	376	376	451	226	226	150	188	150	594
723	675	620	534	454	328	309	290	300	333	365	376	469

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	13430	12590	9860	13430	5380	6295	15250	15250	12590	11690	5380	5380
2	10770	8950	10770	8060	8950	9860	17050	16130	8060	3585	2690	898
3	2690	2690	2690	3585	6295	-	2690	-	5380	6295	11690	11690
4	13430	8060	6295	3585	3585	1795	2690	-	2690	1795	2690	898
5	3585	898	2690	2690	2690	1795	2690	-	-	-	-	-
6	-	-	-	-	-	-	-	-	898	898	4490	8060
7	-	5380	-	-	-	898	1795	-	10770	17050	-	-
8	-	-	-	-	18870	12590	5380	18870	9860	4490	17050	-
9	15250	13430	3585	-	-	5380	-	8060	-	4490	11690	-
10	-	7180	8950	-	-	-	14350	5380	-	4490	-	-
11	-	-	-	-	-	-	898	898	898	2690	1795	1795
12	14350	8060	17050	12590	10770	9860	11690	13430	16130	6295	8060	4490
13	4490	5380	4490	5380	11690	22400	4490	1795	2690	2690	5380	6295
14	898	898	898	898	1795	898	2696	3585	3585	11690	6295	7180
15	2690	2690	1795	-	-	-	-	-	3585	4490	4490	4490
16	4490	3585	3585	4490	4490	4490	6295	8950	5380	4490	3585	2690
17	4490	5380	6295	5380	6295	5380	9860	11690	4490	3585	4490	6295
18	7180	7180	6295	6295	8950	8950	10770	9860	6295	5380	3585	1795
19	2690	2690	2690	2690	2690	1795	2690	2690	3585	2690	3585	2690
20	-	-	-	-	-	-	-	-	-	7180	2690	2690
21	898	898	898	898	898	898	-	-	898	2690	2690	-
22	898	1795	2690	2690	2690	2690	2690	6295	5380	3585	5380	10770
23	6295	7180	6295	6295	6295	8950	8950	9860	7180	4490	3585	-
24	17050	15250	14350	12590	15250	15250	13430	15250	4490	2690	3585	3585
25	5380	4490	4490	8950	9860	9860	-	-	2690	2690	3585	2690
26	2690	2690	1795	1795	1795	2690	2690	7180	3585	2690	3585	3585
27	4490	2690	2690	2690	2690	2690	2690	4490	3585	2690	3585	2690
28	1795	1795	1795	2690	1795	2690	2690	4490	2690	2690	2690	2690
29	1795	1795	1795	1795	1795	2690	2690	2690	3585	2690	4490	2690
30	4490	4490	2690	1795	2690	898	898	1795	1795	1795	4490	10770
31												
Promedio	6092	5312	5097	5057	6009	5904	6167	8030	5106	4644	5085	4644

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	14350	10770	11690	8060	8060	10770	13430	17050	13430	8950	7180	4490
2	12590	10770	9860	10770	11690	15250	15250	16130	5380	3585	2690	2690
3	3585	3585	2690	4490	3585	2690	2690	3585	6295	8950	12590	10770
4	9860	8060	7180	3585	2690	3585	4490	4490	2690	3585	4490	4490
5	4490	3585	3585	3585	3585	3585	7180	-	-	-	-	-
6	-	-	-	-	-	-	-	4490	3585	5380	8950	6295
7	2690	1795	1795	1795	1795	2690	4490	4490	4490	3585	3585	6295
8	6295	6295	6295	8060	6295	8060	8950	7180	5380	6295	4490	2690
9	4490	5380	8060	3585	3585	7180	5380	2690	3585	2690	4490	-
10	14350	13430	9860	9860	17050	17050	14350	8060	5380	6295	3585	3585
11	11690	10770	9860	10770	11690	8950	9860	4490	6295	6295	5380	3585
12	14350	14350	15250	11690	11690	13430	18870	16130	8060	7180	5380	8060
13	6295	4490	6295	7180	8950	9860	2690	2690	2690	3585	6295	8060
14	1795	1795	1795	1795	1795	2690	4490	2690	4490	6295	7180	7180
15	2690	1795	1795	-	-	-	-	-	4490	4490	5380	4490
16	5380	4490	4490	5380	5380	4490	8060	10770	5380	6295	2690	2690
17	5380	5380	6295	7180	7180	8950	11690	8060	4490	5380	4490	10770
18	9860	8060	8950	8060	8950	10770	11690	9860	4490	5380	4490	2690
19	2690	2690	2690	3585	4490	2690	3585	4490	3585	2690	3585	2690
20	-	-	-	-	-	-	-	-	-	4490	3585	2690
21	1795	1795	1795	1795	1795	898	-	-	1795	3585	-	8950
22	4490	5380	5380	4490	4490	3585	6295	6295	4490	6295	6295	6295
23	8060	7180	6295	6295	8060	9860	9860	9860	8060	5380	5380	-
24	17050	17050	16130	15250	16130	18870	21520	13430	4490	4490	4490	3585
25	6295	5380	6295	9860	10770	4490	-	-	3585	3585	3585	2690
26	3585	2690	1795	2690	2690	2690	3585	4490	2690	4490	4490	3585
27	4490	2690	3585	2690	3585	4490	3585	4490	3585	3585	3585	2690
28	2690	2690	2690	2690	2690	3585	2690	4490	3585	3585	2690	2690
29	2690	2690	2690	2690	2690	2690	2690	3585	2690	2690	3585	2690
30	10770	4490	3585	2690	2690	1795	1795	1795	1795	2690	2690	3585
31												
Promedio	6955	6054	6024	5947	6446	6875	7967	7031	4677	4889	4903	4851

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	1795	1795	1795	1795	4490	3585	5380	8950	13430	11690	8060	8036
898	1795	2690	898	9860	2690	1795	12590	8060	12590	2690	898	6801
16130	9860	26000	10770	6295	26900	-	8950	27800	13430	15250	15250	11063
898	4490	898	-	898	898	8060	7180	2690	5380	17050	15250	5059
-	-	-	-	-	-	-	-	-	-	-	-	2434
9860	4490	1795	2690	17050	1795	898	-	3585	-	8950	7180	5188
15250	1795	11690	-	6295	17050	-	-	10770	-	14350	-	9424
3585	4490	3585	4490	5380	5380	5380	4490	5380	10770	4490	14350	8362
-	-	-	-	-	-	21520	18870	-	-	12590	5380	10931
13430	6295	17950	-	-	-	-	-	-	-	-	-	9753
898	1795	3585	5380	12590	12590	12590	11690	16130	16130	18870	16130	7631
7180	4490	8950	4490	4490	9860	14350	14350	15250	13430	16130	13430	10799
9860	15250	9860	11690	5380	1795	1795	1795	3585	1795	898	898	5907
6295	6295	5380	4490	4490	4490	6295	6295	5380	3585	5380	4490	4341
5380	3585	3585	3585	4490	2690	7180	8060	7180	8060	6295	5380	4721
2690	8950	9860	6295	6295	8060	8060	10770	9860	8950	9860	6295	6353
3585	2690	15250	6295	9860	7180	10770	8060	6295	6295	6295	7180	6808
1795	1795	2690	2690	3585	8060	6295	9860	13430	4490	3585	2690	5979
1795	-	-	-	-	-	-	-	-	-	-	-	2690
898	9860	2690	898	898	898	898	898	898	898	898	898	2273
-	-	-	-	-	7180	1795	898	898	898	898	898	1571
4490	3585	3585	2690	3585	5380	8060	10770	8950	8060	8060	5380	5006
-	-	-	6295	17050	16130	14350	17050	20700	18870	17950	16130	10995
3585	3585	6295	11690	17050	11690	24200	16130	14350	14350	8950	4490	11214
2690	2690	2690	6295	5380	9860	15250	15250	8950	4490	4490	2690	6155
2690	2690	6295	4490	5380	8060	13430	17050	15250	8060	4490	5380	5418
1795	1795	2690	2690	4490	9860	10770	8060	3585	2690	2690	2690	3811
1795	2690	1795	2690	3585	9860	15250	13430	6295	2690	1795	1795	3924
2690	4490	5380	10770	9860	3585	7180	6295	2690	2690	2690	7180	4000
2690	3585	3585	4490	3585	2690	2690	2690	3585	3585	4490	4490	3365
4863	4593	6422	5155	6784	7658	8898	9474	8865	7734	7843	6726	6336

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	2690	2690	2690	2690	4490	3585	8950	15250	13430	15250	11690	8968
3585	2690	2690	2690	4490	3585	17050	10770	8950	2690	2690	3585	7588
13430	8950	9860	9860	10770	12590	12590	11690	13430	14350	17950	20350	9222
2690	1795	1795	1795	2690	4490	8950	8870	10770	17050	17050	9860	6125
-	-	-	-	-	-	-	-	-	-	-	-	4228
6295	3585	2690	2690	3585	4490	9860	3585	1795	2690	1795	2690	4379
7180	5380	6295	6295	6295	8950	9860	9860	10770	13430	13430	8060	6054
6295	4490	5380	5380	6295	6295	7180	6295	6295	6295	4490	4490	6061
13430	11690	11690	11690	13430	13430	13430	11690	9860	8950	11690	13430	8501
6295	9860	8060	-	13430	16130	16130	14350	14350	14350	12590	12590	11347
2690	8060	4490	8060	12590	15250	15250	15250	18870	20350	22400	20350	10968
5380	5380	11690	4490	6295	14350	14350	13430	15250	14350	17050	14350	11700
15250	14350	11690	10770	4490	2690	2690	2690	3585	2690	1795	1795	5982
6295	6295	6295	4490	6295	6295	6295	7180	4490	4490	4490	3585	4604
6295	3585	4490	4490	3585	2690	7180	8060	7180	6295	6295	5380	4771
6295	10770	8060	7180	8060	8950	10770	11690	9860	8950	9860	6295	7176
3585	-	13430	8950	7180	8950	9860	7180	8060	7180	8060	8060	7641
1795	2690	2690	2690	6295	7180	8060	13430	9860	4490	2690	2690	6575
1795	-	-	-	-	-	-	-	-	-	-	-	3173
1795	2690	3585	1795	2690	1795	1795	1795	1795	1795	1795	898	2332
9860	8950	8060	8060	7180	6295	6295	7180	7180	6295	4490	5380	5211
5380	4490	4490	3585	4490	8060	8060	9860	8060	8060	6295	6295	5871
-	-	-	13430	11690	15250	17050	20700	21520	18870	18870	17050	11936
4490	4490	8060	11690	14350	16130	18870	15250	15250	14350	8060	4490	11998
3585	3585	4490	7180	5380	11690	10770	9860	7180	5380	4490	2690	6037
2690	3585	5380	4490	6295	10770	16130	18870	12590	6295	6295	6295	5798
2690	2690	2690	4490	7180	12590	10770	6295	3585	3585	2690	2690	4375
2690	2690	3585	3585	6295	17050	17050	8950	5380	2690	2690	1795	4634
4490	4490	7180	10770	7180	4490	7180	2690	3585	4490	4490	3585	4112
5380	4490	4490	5380	4490	3585	3585	3585	4490	4490	3585	5380	3888
5543	5554	6148	6247	6989	8875	10380	9643	9258	8512	8333	7350	6897

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	9.1	13.6	9.1	9.1	10.6	10.6	6.0	3.0	4.5	9.1	10.6	15.1	12.1
2	9.1	9.1	9.1	9.1	9.1	7.6	4.5	1.5	4.5	9.1	9.1	9.1	7.6
3	9.1	12.1	6.0	7.6	4.5	7.6	6.0	4.5	4.5	7.6	7.6	7.6	10.6
4	16.6	15.1	13.6	10.6	10.6	6.0	3.0	3.0	7.6	4.5	9.1	10.6	10.6
5	13.6	10.6	12.1	9.1	9.1	9.1	9.1	6.0	7.6	9.1	13.6	13.6	12.1
6	10.6	10.6	9.1	7.6	9.1	7.6	9.1	3.0	3.0	4.5	7.6	12.1	9.1
7	9.1	12.1	9.1	6.0	9.1	6.0	3.0	- 1.6	3.0	6.0	7.6	13.6	12.1
8	10.6	7.6	7.6	7.6	7.6	6.0	3.0	- 1.6	1.5	1.5	4.5	10.6	9.1
9	10.6	10.6	10.6	9.1	7.6	4.5	3.0	3.0	4.5	4.5	6.0	10.6	7.6
10	3.0	7.6	6.0	9.1	3.0	4.5	4.5	4.5	3.0	6.0	10.6	4.5	6.0
11	9.1	3.0	6.0	3.0	9.1	7.6	3.0	9.1	- 1.6	6.0	10.6	7.6	9.1
12	9.1	12.1	12.1	10.6	9.1	6.0	6.0	6.0	12.1	7.6	10.6	10.6	7.6
13	9.1	13.6	10.6	9.1	18.1	24.2	13.6	13.6	12.1	9.1	3.0	16.6	7.6
14	18.1	15.1	12.1	10.6	7.6	7.6	3.0	3.0	-	-	-	-	-
15	6.0	15.1	10.6	12.1	9.1	4.5	4.5	6.0	9.1	6.0	6.0	10.6	9.1
16	12.1	7.6	9.1	9.1	7.6	9.1	6.0	6.0	3.0	7.6	1.5	9.1	3.0
17	12.1	12.1	13.6	12.1	9.1	6.0	4.5	3.0	3.0	4.5	6.0	9.1	9.1
18	4.5	9.1	4.5	7.6	7.6	3.0	1.5	1.5	4.5	3.0	9.1	15.1	9.1
19	9.1	9.1	9.1	9.1	7.6	9.1	12.1	10.6	7.6	12.1	10.6	7.6	7.6
20	3.0	3.0	1.5	- 6.4	7.6	- 3.2	1.5	1.5	4.5	9.1	7.6	12.1	12.1
21	12.1	13.6	7.6	15.1	7.6	4.5	4.5	6.0	6.0	6.0	6.0	10.6	12.1
22	6.0	7.6	9.1	9.1	6.0	1.5	- 1.6	- 3.2	3.0	4.5	- 4.8	6.0	1.5
23	4.5	10.6	6.0	10.6	3.0	4.5	- 1.6	1.5	-	-	-	-	-
24	9.1	10.6	10.6	12.1	9.1	9.1	10.6	6.0	3.0	4.5	1.5	6.0	6.0
25	10.6	9.1	9.1	10.6	9.1	4.5	6.0	3.0	4.5	9.1	10.6	15.1	9.1
26	18.1	12.1	16.6	9.1	9.1	6.0	7.6	6.0	4.5	3.0	7.6	12.1	12.1
27	15.1	13.6	13.6	13.6	12.1	7.6	6.0	4.5	4.5	12.1	9.1	15.1	12.1
28	13.6	18.1	10.6	12.1	10.6	6.0	4.5	6.0	6.0	10.6	12.1	15.1	12.1
29	13.6	13.6	13.6	13.6	12.1	10.6	9.1	7.6	12.1	13.6	10.6	13.6	10.6
30	30.2	30.2	28.7	30.2	24.2	22.7	22.7	15.1	12.1	13.6	13.6	12.1	7.6
31													
Prom	10.9	11.6	10.2	9.9	9.2	7.3	5.8	4.6	5.5	7.3	7.8	11.1	9.1
Var.	3.4	4.1	2.7	2.4	1.7	- 0.2	- 1.7	- 2.9	- 2.0	- 0.2	0.3	3.6	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	-12.8	-12.8	- 8.5	-15.6	-17.0	-17.0	-15.6	- 5.7	- 7.1	- 9.9	-11.4	-15.6	-17.0
2	-11.4	-12.8	- 9.9	-22.7	-19.9	-15.6	-14.2	-11.4	-11.4	- 9.9	-12.8	-17.0	-17.0
3	-14.2	-17.0	-11.4	-21.3	-21.3	-18.5	-14.2	-11.4	-17.0	-18.5	-18.5	-21.3	-19.9
4	-14.2	-17.0	-15.6	-18.5	-19.9	-18.5	-21.3	-15.6	-17.0	-18.5	-18.5	-17.0	-18.5
5	-12.8	-18.5	-15.6	-19.9	-19.9	-17.0	-17.0	-15.6	-17.0	-18.5	-19.9	-19.9	-21.3
6	-12.8	-21.3	-12.8	-19.9	-17.0	-17.0	-18.5	-17.0	-17.0	-14.2	-17.0	-18.5	-19.9
7	-15.6	-17.0	-15.6	-27.0	-27.0	-22.7	-21.3	-19.9	-21.3	-21.3	-19.9	-22.7	-25.6
8	-14.2	-17.0	-14.2	-22.7	-25.6	-21.3	-19.9	-19.9	-19.9	-21.3	-21.3	-22.7	-18.5
9	-15.6	-17.0	-14.2	-22.7	-22.7	-21.3	-17.0	-14.2	- 8.5	- 2.8	- 8.5	- 7.1	-11.4
10	-14.2	-17.0	-15.6	-28.4	-25.6	-22.7	-19.9	-18.5	-19.9	-18.5	-18.5	-19.9	-17.0
11	-11.4	-17.0	-11.4	-19.9	-21.3	-22.7	-22.7	-14.2	-17.0	-19.9	-18.5	-21.3	-19.9
12	-12.8	-17.0	-11.4	-21.3	-14.2	-15.6	-17.0	-14.2	-14.2	-19.9	-19.9	-21.3	-18.5
13	-14.2	-17.0	-12.8	-25.6	-14.2	- 8.5	-11.4	-12.8	-15.6	-15.6	-14.2	-18.5	-18.5
14	-17.0	-19.9	-11.4	-21.3	-21.3	-21.3	-17.0	-18.5	-	-	-	-	-
15	-15.6	-18.5	-15.6	-24.1	-18.5	-17.0	-13.5	-14.2	-15.6	-15.6	-18.5	-14.2	-19.9
16	-15.6	-18.5	-14.2	-22.7	-19.9	-18.5	-17.0	-15.6	-17.0	-18.5	-18.5	-18.5	-15.6
17	-12.8	-17.0	-12.8	-18.5	-19.9	-21.3	-18.5	-15.6	-17.0	-15.6	-17.0	-15.6	-18.5
18	-14.2	-15.6	-11.4	-19.9	-19.9	-17.0	-11.4	- 9.9	- 9.9	-17.0	-15.6	-15.6	-18.5
19	-12.8	-17.0	-14.2	-15.6	-14.2	-12.8	-11.4	-12.8	-14.2	-12.8	-15.6	-15.6	-17.0
20	- 9.9	-11.4	-12.8	-22.7	-22.7	-21.3	-19.9	-17.0	-17.0	-14.2	-14.2	-14.2	-19.9
21	-15.6	-17.0	-14.2	-28.4	-22.7	-27.0	-24.1	-21.3	-21.3	-22.7	-25.6	-22.7	-31.2
22	-19.9	-27.0	-19.9	-27.0	-34.1	-28.4	-22.7	-24.1	-19.9	-21.3	-29.8	-19.9	-22.7
23	-15.6	-18.5	-17.0	-22.7	-19.9	-22.7	-21.3	-14.2	-	-	-	-	-
24	-21.3	-17.0	-19.9	-18.5	-18.5	-15.6	-18.5	-21.3	-21.3	-17.0	-17.0	-19.9	-24.1
25	-18.5	-19.9	-15.6	-25.6	-19.9	-21.3	-19.9	-15.6	-17.0	-17.0	-21.3	-22.7	-19.9
26	-15.7	-18.5	-15.7	-22.7	-17.0	-15.7	-15.7	-14.2	-17.0	-17.0	-21.3	-19.9	-22.7
27	-11.4	-15.6	-11.4	-18.5	-18.5	-17.0	-18.5	-14.2	-17.0	-15.6	-15.6	-15.6	-15.6
28	-15.6	-15.6	- 9.9	-21.3	-18.5	-17.0	-18.5	-11.4	-17.0	-17.0	-12.8	-18.5	-18.5
29	-11.4	-21.3	- 9.9	-17.0	-19.9	-19.9	-14.2	-11.4	-14.2	-12.8	-14.2	-15.6	-17.0
30	- 9.9	-11.4	- 4.3	-15.6	-15.6	-14.2	-14.2	-12.8	-18.5	-15.6	-19.9	-21.3	-22.7
31													
Prom	-14.3	-17.3	-13.3	-21.6	-20.2	-18.9	-17.7	-15.1	-16.3	-16.4	-17.7	-18.3	-19.5
Var.	3.9	0.9	4.9	- 3.4	- 2.0	- 0.7	0.5	3.1	1.9	1.8	0.5	- 0.1	- 1.3

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
9.1	1.5	3.0	3.0	6.0	6.0	4.5	1.5	10.6	4.5	6.0	7.4	1
3.0	- 1.6	- 3.2	1.5	4.5	3.0	- 1.6	1.5	6.0	9.1	10.6	5.5	2
9.1	4.5	1.5	3.0	3.0	1.5	1.5	1.5	- 4.8	10.6	16.6	6.0	1
10.6	6.0	- 4.8	- 3.2	6.0	9.1	9.1	7.6	15.1	12.1	10.6	8.3	1
6.0	3.0	- 3.2	3.0	1.5	1.5	1.5	3.0	3.0	6.0	9.1	7.0	2
9.1	3.0	3.0	- 1.6	4.5	6.0	10.6	7.6	9.1	12.1	10.6	7.4	1
12.1	1.5	3.0	1.5	3.0	3.0	1.5	3.0	10.6	12.1	10.6	6.5	2
9.1	7.6	3.0	3.0	1.5	1.5	1.5	1.5	10.6	9.1	16.6	5.9	1
10.6	3.0	6.0	- 3.2	- 1.6	- 1.6	- 1.6	- 3.2	4.5	9.1	9.1	5.1	2
4.5	- 3.2	4.5	1.5	1.5	3.0	3.0	6.0	9.1	7.6	9.1	5.0	1
- 1.6	6.0	6.0	7.6	7.6	4.5	- 1.6	4.5	7.6	9.1	7.6	5.8	2
3.0	3.0	3.0	3.0	7.6	4.5	6.0	6.0	6.0	10.6	9.1	7.6	2
9.1	4.5	3.0	6.0	9.1	9.1	9.1	6.0	10.6	7.6	9.1	10.1	1
-	-	-	-	-	-	-	-	-	13.6	10.6	10.1	1
10.6	6.0	4.5	1.5	4.5	6.0	4.5	1.5	6.0	3.0	6.0	6.8	1
4.5	9.1	6.0	1.5	3.0	10.6	4.5	1.5	7.6	4.5	9.1	6.4	2
9.1	4.5	6.0	3.0	6.0	6.0	6.0	6.0	3.0	7.6	9.1	7.1	1
10.6	3.0	3.0	4.5	3.0	4.5	6.0	7.6	7.6	6.0	13.6	6.2	1
7.6	6.0	4.5	3.0	3.0	- 9.5	- 1.6	6.0	12.1	10.6	10.6	7.2	2
15.1	6.0	6.0	6.0	3.0	3.0	12.1	12.1	13.6	10.6	10.6	6.3	2
3.0	1.5	6.0	6.0	4.5	9.1	3.0	6.0	13.6	13.6	12.1	7.9	1
7.6	4.5	9.1	3.0	- 3.2	3.0	6.0	10.6	13.6	10.6	16.6	5.2	2
-	-	-	1.5	4.5	3.0	3.0	7.6	6.0	3.0	6.4	4.6	1
10.6	9.1	12.1	6.0	6.0	6.0	6.0	3.0	4.5	7.6	9.1	7.4	1
12.1	4.5	4.5	1.5	3.0	3.0	6.0	7.6	10.6	12.1	10.6	7.7	1
3.0	4.5	9.1	-	3.0	- 4.8	1.5	4.5	3.0	9.1	10.6	7.2	1
10.6	7.6	10.6	7.6	7.6	9.1	7.6	10.6	10.6	7.6	7.6	9.8	1
12.1	9.1	10.6	7.6	6.0	7.6	9.1	10.6	12.1	9.1	12.1	10.1	1
9.1	9.1	12.1	15.1	18.1	21.2	22.7	18.1	19.7	18.1	19.7	14.0	1
6.0	10.6	6.0	6.0	10.6	13.6	10.6	10.6	12.1	12.1	15.1	15.7	0
8.2	4.8	4.8	3.5	4.7	4.9	5.2	5.9	8.7	9.3	10.8	7.5	
0.7	- 2.7	- 2.7	- 4.0	- 2.8	- 2.6	- 2.3	- 1.6	1.2	1.8	3.3		

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
-15.6	-12.8	-15.6	-18.5	-18.5	-15.6	-21.3	-15.6	-14.2	- 9.9	- 9.9	-13.9	1
-17.0	-15.6	-14.2	-17.0	-18.5	-17.0	-22.7	-19.9	-17.0	-14.2	-12.8	-15.5	2
-19.9	-17.0	-14.2	-17.0	-19.9	-21.3	-24.1	-17.0	-21.3	-21.3	-14.2	-18.0	2
-18.5	-14.2	-14.2	-17.0	-19.9	-21.3	-19.9	-19.9	-17.0	-15.6	-11.4	-17.4	2
-19.9	-18.5	-21.3	-24.1	-28.4	-29.8	-28.4	-28.4	-25.6	-25.6	-14.2	-20.7	2
-19.9	-15.6	-18.6	-19.9	-19.9	-19.9	-19.9	-19.9	-18.5	-18.5	-14.2	-17.8	1
-19.9	-22.7	-19.9	-22.7	-22.7	-22.7	-25.6	-21.3	-22.7	-17.0	-17.0	-21.3	2
-17.0	-18.5	-21.3	-19.9	-19.9	-21.3	-25.6	-21.3	-21.3	-17.0	-14.2	-19.8	1
- 8.5	- 8.5	- 9.9	-11.4	-17.0	-17.0	-14.2	-18.5	-14.2	-14.2	-14.2	-13.8	2
-19.9	-19.9	-14.2	-17.0	-18.5	-18.5	-19.9	-19.9	-12.8	-15.6	-12.8	-18.5	2
-24.1	-18.5	-19.9	-18.5	-21.3	-19.9	-19.9	-19.9	-17.0	-19.9	-14.2	-18.8	2
-18.5	-21.3	-24.1	-25.6	-25.6	-31.2	-29.8	-22.7	-28.4	-19.9	-15.6	-20.0	2
-21.3	-19.9	-17.0	-17.0	-21.3	-22.7	-19.9	-18.5	-21.3	-17.0	-14.2	-17.0	2
-	-	-	-	-	-	-	-	-	-17.0	-14.2	-19.9	1
-21.3	-18.5	-19.9	-21.3	-22.7	-19.9	-21.3	-	-19.9	-19.9	-17.0	-18.6	1
-19.9	-19.9	-17.0	-19.9	-18.5	-17.0	-21.3	-21.3	-17.0	-15.6	-12.8	-17.9	1
-17.0	-14.2	-14.2	-18.5	-17.0	-18.5	-19.9	-21.3	-17.0	-17.0	-11.4	-16.9	0
-19.9	-18.5	-17.0	-15.6	-17.0	-18.5	-18.5	-15.6	-14.2	-15.6	-12.8	-15.8	1
-12.8	-11.4	-18.5	-21.3	-19.9	-22.7	-21.3	-18.5	-15.6	-17.0	-12.8	-15.7	1
-19.9	-17.0	18.5	21.3	-19.9	-24.1	-25.6	-22.7	-18.5	-18.5	-18.5	-18.4	2
-29.8	-27.0	-25.6	-27.0	-27.0	-27.0	-38.3	-29.8	-28.4	-24.1	-19.9	-21.9	2
-22.7	-21.3	-21.3	-21.3	-19.9	-24.1	-28.4	-25.6	-19.9	-18.5	-17.0	-23.2	2
-	-	-	-22.7	-19.9	-19.9	-22.7	-24.1	-28.4	-25.6	-25.6	-21.3	2
-24.1	-21.3	-21.3	-22.7	-22.7	-22.7	-19.9	-19.9	-17.0	-18.5	-17.0	-19.9	1
-18.5	-17.0	-17.0	-18.5	-22.7	-21.3	-21.3	-17.0	-17.0	-18.5	-14.2	-19.0	1
-18.5	-27.0	-17.0	-22.7	-24.1	-28.4	-28.4	-25.6	-22.7	-24.1	-15.6	-21.3	2
-15.6	-17.0	-15.6	-19.9	-18.5	-19.9	-18.5	-21.3	-21.3	-17.0	-12.8	-16.7	1
-17.0	-17.0	-15.6	-22.7	-17.0	-17.0	-18.5	-17.0	-14.2	-11.4	-11.4	-16.2	2
-12.8	-14.2	- 9.9	- 8.5	-12.8	-14.2	-12.8	-11.4	- 8.5	-11.4	- 9.9	-13.5	2
-18.5	-19.9	-21.3	-19.9	-19.9	-21.3	-24.1	-22.7	-19.9	-22.7	-17.0	-17.6	1
-18.9	-18.0	-17.6	-19.6	-20.4	-21.2	-22.5	-20.5	-19.0	-17.9	-14.6	-18.2	
- 0.7	0.2	0.6	- 1.4	- 2.2	- 3.0	- 4.3	- 2.3	- 0.8	0.3	3.6		

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	58.8	58.5	58.3	58.2	58.2	58.2	58.5	58.5	58.4	58.2	57.8	57.3	56.8	56.2	55.9
2	55.7	55.7	55.6	55.6	55.9	56.2	56.5	56.9	57.0	57.0	57.0	56.9	56.7	56.6	56.4
3	60.5	60.6	60.6	60.6	60.6	61.2	61.4	63.8	63.9	64.1	64.1	63.9	63.7	63.4	63.4
4	61.6	61.4	61.0	60.9	60.9	60.9	61.2	61.3	61.1	60.9	60.6	60.0	59.2	58.6	58.2
5	57.8	57.7	57.3	57.1	57.2	57.3	57.4	57.5	57.3	56.9	56.3	55.7	55.0	54.0	53.6
6	51.2	51.0	51.2	51.4	51.4	51.7	52.7	53.1	53.3	53.3	52.3	53.3	53.2	53.8	54.0
7	59.4	59.8	60.6	60.7	60.8	60.7	61.0	61.8	62.0	62.2	61.9	61.5	60.5	59.7	59.1
8	58.6	58.3	57.3	57.8	57.9	58.2	58.8	59.2	59.1	59.1	59.0	58.5	58.0	57.7	57.5
9	57.2	57.0	56.7	56.3	56.3	56.4	56.5	56.6	56.8	56.7	56.5	56.3	55.9	55.6	55.4
10	56.4	56.4	56.2	56.2	56.5	56.7	56.9	57.6	57.9	57.9	57.9	57.7	57.3	57.0	56.8
11	58.2	58.3	58.6	58.6	58.7	59.2	59.4	59.9	60.0	60.0	60.0	59.7	58.8	58.7	57.9
12	58.2	57.8	57.5	57.6	58.0	58.4	58.6	58.9	58.8	58.8	58.7	58.2	57.8	57.2	57.1
13	56.0	55.8	55.6	55.5	55.3	58.2	58.2	59.3	58.8	59.3	59.8	59.8	58.4	57.7	58.0
14	59.9	59.9	59.7	59.9	60.1	60.2	60.2	60.7	60.7	60.6	60.7	60.5	59.9	59.6	59.7
15	61.3	61.4	61.3	61.1	61.2	61.5	61.9	62.0	62.2	62.1	62.1	62.1	61.8	61.6	61.7
16	63.0	62.8	62.7	62.7	62.8	62.9	63.2	64.0	64.0	64.0	63.7	63.4	62.8	62.2	61.8
17	61.9	61.9	61.7	61.6	61.7	62.2	62.4	63.1	63.2	63.2	63.3	62.9	62.3	61.8	61.6
18	63.0	62.5	62.1	62.2	62.6	62.7	62.7	62.7	62.6	62.2	61.9	61.3	60.8	60.0	59.5
19	56.3	55.5	55.2	55.3	55.0	54.9	54.9	55.0	54.8	54.4	53.9	53.5	52.8	51.7	51.4
20	49.9	49.7	48.1	48.1	48.1	48.0	47.2	46.9	46.8	47.9	47.6	48.8	48.7	49.0	49.7
21	56.2	56.4	56.7	57.5	58.0	58.7	58.9	59.7	60.0	60.7	61.0	61.1	61.2	61.6	62.0
22	65.8	66.0	66.0	66.2	66.7	67.0	67.4	68.0	68.2	68.4	68.4	68.4	68.2	68.0	67.9
23	69.3	69.3	69.1	69.1	69.1	69.5	69.8	70.4	70.6	70.6	70.2	69.9	69.3	68.8	68.6
24	69.1	69.0	68.9	68.8	69.1	69.2	69.5	70.2	70.4	70.3	70.2	69.8	69.2	68.5	68.4
25	69.2	69.1	69.8	68.8	68.8	68.9	69.0	69.4	69.4	69.3	69.2	68.8	68.0	67.4	67.0
26	66.5	66.3	66.0	65.7	65.7	65.9	66.0	66.0	66.0	65.7	65.4	65.0	64.5	64.0	63.6
27	64.0	64.0	64.0	64.1	64.3	64.7	64.9	65.2	65.1	64.7	64.5	63.8	63.9	62.8	62.7
28	62.6	62.5	62.3	62.1	62.2	62.2	62.2	62.2	62.1	61.9	61.3	60.7	59.9	59.4	59.0
29	59.2	58.6	57.8	57.6	57.3	57.2	57.1	57.2	57.4	57.2	57.0	56.3	55.6	55.2	55.1
30	55.7	54.8	54.2	54.5	55.2	55.6	56.0	56.5	56.6	56.8	57.2	57.1	57.2	57.4	57.4
31															
Prom	60.1	59.9	59.7	59.7	59.8	60.2	60.3	60.8	60.8	60.8	60.6	60.4	59.9	59.5	59.3

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	18.4	18.3	18.2	18.0	17.9	17.8	17.7	17.8	18.8	22.3	23.9	24.7	25.2	25.9	25.7
2	15.7	14.8	14.6	13.6	13.4	13.1	13.6	18.0	21.4	23.7	25.4	26.3	27.5	28.1	28.8
3	17.0	17.8	17.6	17.5	17.3	16.3	16.3	16.1	16.5	17.5	18.7	19.4	19.7	19.9	19.8
4	16.6	16.1	16.2	17.1	17.0	16.9	16.9	18.6	20.2	22.4	24.0	25.6	26.7	27.0	27.3
5	17.4	17.0	16.7	16.3	16.1	15.8	16.5	19.8	22.6	25.1	26.6	26.8	28.1	28.0	27.9
6	19.6	19.6	19.2	18.8	18.2	18.1	18.3	19.2	19.8	20.1	20.8	20.7	20.7	19.9	20.0
7	13.3	12.6	11.6	10.0	9.1	8.8	8.6	10.6	11.0	14.6	15.1	16.4	17.2	17.4	17.8
8	9.6	9.9	10.4	10.8	10.9	10.9	11.1	12.3	15.0	17.6	17.9	18.5	18.9	18.7	17.4
9	7.8	7.7	7.8	7.8	8.2	8.1	8.6	10.6	12.8	13.5	15.9	17.0	18.2	17.2	18.4
10	7.8	7.7	7.7	7.6	7.6	7.6	8.3	12.1	15.8	18.4	20.4	22.0	23.0	23.3	23.3
11	13.5	13.5	12.5	12.0	11.5	11.1	12.1	15.4	17.9	20.1	21.6	22.7	22.5	21.7	21.1
12	14.1	13.2	13.1	13.5	13.6	13.5	12.8	16.8	21.5	23.9	25.5	26.0	26.6	26.2	25.8
13	17.6	17.2	17.2	18.3	18.2	15.8	14.8	15.1	15.8	16.3	16.2	16.1	16.7	18.0	17.9
14	12.5	11.8	11.1	11.2	10.3	10.1	9.8	10.5	12.6	14.7	16.0	16.3	16.8	17.1	17.0
15	8.8	8.8	8.2	6.7	6.1	5.9	6.3	9.1	11.9	13.4	15.1	15.9	16.7	17.5	17.5
16	6.3	5.4	5.4	5.5	5.4	5.5	6.7	9.8	13.5	15.8	17.1	17.7	18.5	18.6	18.4
17	8.1	7.8	7.5	7.4	7.1	7.1	7.2	9.7	13.5	16.3	18.3	19.4	20.0	21.0	21.2
18	7.1	7.7	8.4	8.5	8.1	7.1	8.5	12.6	15.9	18.8	21.3	22.1	22.3	22.7	22.7
19	15.3	15.2	14.7	13.9	13.9	14.5	14.5	15.4	18.0	19.7	21.6	23.9	24.3	25.1	24.2
20	19.2	19.3	19.3	19.3	19.2	19.2	19.3	19.1	19.3	19.4	19.8	19.7	19.5	19.4	19.0
21	12.1	12.1	11.7	11.1	11.1	10.8	10.8	11.8	14.3	15.5	16.7	17.4	17.5	18.3	17.4
22	7.5	6.8	6.4	5.4	5.0	4.7	4.5	7.0	10.2	12.6	13.8	14.1	14.9	15.1	14.8
23	3.5	2.9	2.5	1.9	2.1	2.8	2.4	6.9	10.7	13.5	14.3	14.9	15.7	16.4	16.2
24	3.9	3.6	3.5	3.6	2.9	2.7	4.4	9.2	12.1	14.1	15.5	16.6	17.3	17.9	18.0
25	7.7	7.4	7.4	7.4	7.3	7.4	7.9	11.3	13.1	15.7	17.2	18.3	18.6	18.9	18.4
26	12.4	12.3	12.0	11.2	10.7	10.1	9.9	12.8	14.8	17.0	19.1	20.6	21.3	21.4	20.7
27	14.0	14.1	13.9	13.5	13.2	12.8	12.9	14.9	17.1	20.0	21.8	23.3	23.7	23.8	23.5
28	16.2	15.6	15.1	14.8	14.4	14.3	14.3	14.6	16.4	18.2	20.0	22.0	22.4	22.3	22.1
29	16.2	15.9	15.8	15.1	14.6	14.5	14.5	15.1	17.5	18.8	20.3	19.8	19.4	19.2	18.4
30	17.2	16.9	16.5	16.1	15.8	14.6	13.4	13.2	14.6	16.0	17.4	18.4	18.8	19.0	18.6
31															
Prom	12.5	12.4	12.1	11.8	11.5	11.2	11.4	13.5	15.8	17.8	19.1	20.0	20.6	20.8	20.6

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
55.6	55.4	55.3	55.4	55.6	55.7	55.7	55.7	55.7	59.0	0	55.3	18	3.7	757.0 mm.	1009.3 mb.
56.0	56.4	56.6	56.8	57.7	58.5	59.1	59.6	59.9	59.9	24	56.0	16	3.9	56.9	1009.2
63.4	63.3	63.2	63.0	63.0	63.0	62.5	62.0	61.7	64.1	10,11	59.9	0	4.2	62.5	1016.6
58.0	58.0	58.0	58.0	58.1	58.2	58.2	58.1	58.0	61.7	0	58.0	varios	3.7	59.6	1012.8
53.3	53.1	53.1	53.0	53.0	52.9	52.5	52.2	51.6	58.0	0	51.6	24	6.4	55.1	1006.8
55.0	55.0	55.2	56.5	56.6	57.5	57.9	58.3	59.0	59.0	24	51.0	2	8.0	54.1	1005.4
58.9	58.9	59.0	59.1	59.1	59.0	59.0	58.7	58.7	62.0	10	58.7	23,24	3.3	60.1	1013.4
56.9	57.3	57.5	57.8	58.0	57.9	57.9	57.8	57.6	59.2	8	56.9	16	2.3	58.1	1010.8
55.5	55.6	55.6	56.0	56.0	56.0	56.2	56.3	56.5	57.6	0	55.4	15	2.2	56.2	1008.2
56.8	56.7	56.6	56.7	56.8	57.2	57.5	57.8	58.0	58.0	24	56.2	3,4	1.8	57.1	1009.4
57.7	58.0	58.2	58.2	58.4	58.4	58.8	58.6	58.2	60.0	varios	57.7	16	2.3	58.8	1011.7
56.7	56.5	56.8	56.9	56.8	56.4	56.3	56.3	56.3	58.9	8	56.3	varios	2.6	57.5	1010.0
58.2	58.4	59.1	59.5	59.6	59.9	60.0	60.0	59.9	60.0	22,23	54.9	5-6	5.1	58.3	1011.0
59.8	59.8	60.1	60.3	60.8	60.8	60.8	60.9	61.0	61.0	24	59.7	3	1.3	60.3	1013.7
61.7	62.1	62.2	62.4	62.6	62.8	63.0	63.0	63.0	63.0	varios	61.0	0	2.0	62.0	1016.0
61.9	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	64.0	varios	61.8	17,18	2.2	62.6	1016.8
61.5	61.4	61.4	61.5	61.8	61.9	62.2	62.7	63.0	63.3	11	61.4	17,18	1.9	62.1	1016.1
59.0	58.7	58.3	58.2	58.0	58.6	57.2	56.5	56.5	63.0	0,1	56.5	23,24	6.5	60.4	1013.8
51.2	50.8	51.0	51.1	51.2	51.2	51.1	51.1	50.5	56.5	0	50.5	24	6.0	53.1	1004.1
50.7	51.5	52.4	53.3	53.8	54.5	55.2	55.7	56.0	56.0	24	46.8	9	9.2	50.3	1000.4
62.7	63.3	63.6	64.0	64.2	64.5	65.0	65.4	65.6	65.6	24	56.0	0	9.6	61.2	1014.9
68.1	68.1	68.2	68.5	68.7	69.0	69.1	69.1	69.1	69.1	varios	65.6	0	3.5	67.8	1023.7
68.7	68.8	68.9	69.1	69.2	69.2	69.2	69.2	69.1	70.6	9,10	68.6	15	2.0	69.4	1025.8
68.6	68.6	68.7	69.1	69.6	69.7	69.7	69.6	69.6	70.4	9	68.4	15	2.0	69.3	1025.7
66.9	66.6	66.6	67.2	67.0	66.8	66.8	66.7	66.5	69.4	8,9	66.5	24	2.9	68.0	1024.0
63.6	63.6	63.7	63.9	64.0	64.0	64.0	64.0	64.0	66.5	0,1	63.6	varios	2.9	64.9	1019.8
62.7	62.8	62.7	62.7	62.8	62.7	62.5	62.3	62.4	65.2	8	62.3	23	2.9	63.6	1018.1
58.8	58.8	59.0	59.3	59.4	59.4	59.6	59.6	59.5	62.6	1	58.8	16,17	3.8	60.7	1014.2
55.1	54.8	54.4	55.1	55.2	55.3	54.9	54.3	54.1	59.5	0	54.4	18	5.1	56.2	1008.2
57.5	58.2	58.7	59.2	59.3	59.5	59.9	60.1	60.0	60.1	23	52.4	3-4	7.7	57.3	1009.7
59.4	59.4	59.5	59.8	59.9	60.1	60.1	60.1	60.1	62.1		58.1		4.0	60.0	1013.3

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
25.5	25.1	22.6	20.8	19.5	18.8	17.8	17.2	16.2	27.3	15-16	16.2	0	11.1	20.6
28.6	27.3	23.8	21.6	20.9	21.6	19.7	18.5	18.0	28.8	15	13.1	6	15.7	20.8
19.7	19.3	18.7	18.2	17.9	17.7	16.8	16.8	16.8	19.9	14	16.1	8	3.8	17.9
26.6	25.2	22.6	20.8	19.8	19.0	18.1	18.5	17.8	27.3	15	16.1	2	11.2	20.7
27.1	26.1	23.6	22.5	22.0	21.5	20.6	20.8	20.3	28.3	13-14	15.8	6	12.5	21.6
19.5	18.7	17.7	16.6	16.3	15.4	14.4	13.4	13.4	20.8	11	13.4	23,24	7.4	18.3
17.6	16.7	14.1	13.1	10.8	10.1	9.5	9.4	9.6	17.8	15	8.6	7	9.2	12.7
17.9	17.5	15.1	13.0	11.9	11.1	10.3	9.7	8.9	19.7	13-14	8.9	24	10.8	13.6
17.8	17.0	14.2	13.6	13.6	11.6	9.9	9.0	8.6	18.4	15	7.7	2	10.7	12.3
22.8	21.1	18.5	17.6	16.7	15.9	15.6	14.9	14.0	23.3	14,15	7.6	4,5,6	15.7	15.4
20.6	19.6	17.5	16.1	14.6	13.6	14.0	14.3	15.0	23.2	12-13	10.9	6-7	12.3	16.4
25.2	23.9	21.0	18.9	18.1	17.2	16.5	16.5	16.8	26.6	13	12.8	7	13.8	19.3
17.5	15.9	14.9	14.4	14.3	14.4	14.3	13.5	13.1	18.0	14	13.1	24	4.9	16.0
16.8	14.6	13.4	12.3	11.4	10.5	9.6	8.7	8.7	17.1	14	8.7	23,24	8.4	12.6
17.4	15.9	12.5	10.3	8.4	7.9	7.6	7.1	6.3	17.5	14,15	5.9	6	11.6	10.9
18.2	16.2	13.3	11.6	9.9	9.4	8.6	8.6	8.6	18.6	14	5.4	2,3,5	13.2	11.4
20.0	17.5	14.9	13.3	12.0	11.5	10.1	8.8	7.8	21.2	15	7.1	5,6	14.1	12.8
21.9	19.8	17.4	16.5	15.8	15.5	16.4	16.4	16.4	22.7	14,15	6.6	6-7	16.1	15.4
23.8	23.2	22.1	22.0	21.2	20.6	20.6	20.3	19.2	25.1	14	13.7	4-5	11.4	19.5
19.4	19.0	16.9	15.6	14.5	13.7	13.0	13.6	13.1	19.8	11	13.1	24	6.7	17.9
16.3	15.1	14.4	13.6	11.7	10.2	9.6	9.2	8.3	18.4	13,14	8.3	24	10.1	13.2
14.4	13.8	11.5	9.6	8.9	7.3	6.0	5.2	4.4	15.1	14	4.4	24	10.7	9.3
15.1	13.2	11.0	8.5	7.4	7.1	6.1	5.1	4.7	16.4	14	2.5	3	13.9	8.5
16.7	15.4	12.7	10.5	8.0	7.3	7.4	6.8	7.6	18.0	15	2.7	6	15.3	9.9
18.2	16.6	14.3	12.7	12.8	12.8	12.8	12.6	12.9	18.9	14	7.3	5	11.6	12.9
19.9	18.3	16.1	14.9	14.5	14.6	14.7	14.6	14.3	21.4	14	9.9	7	11.5	15.3
22.7	20.6	18.7	17.8	17.8	17.9	17.5	16.8	16.5	23.8	14	12.8	6	11.0	17.9
21.7	20.0	18.2	17.3	18.1	18.1	17.5	17.0	16.5	22.4	13	14.3	6,7	8.1	17.8
18.1	17.5	17.2	17.2	17.2	17.3	17.3	17.4	17.6	20.3	11	14.5	6,7	5.8	17.2
18.0	16.2	15.1	14.3	12.9	11.7	10.7	10.2	9.3	19.9	14	9.3	24	10.6	15.2
20.2	18.9	16.8	15.5	14.6	14.0	13.5	13.0	12.7	21.2		10.2		11.0	15.4

HUMEDAD RELATIVA en %

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

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	15.0	15.0	15.0	15.0	14.5	14.5	14.5	15.1	15.5	17.5	17.0	17.5	17.0	17.8	17.5
2	12.5	12.0	12.0	11.0	11.0	10.5	11.0	15.4	16.5	18.0	17.5	17.0	17.0	16.1	17.0
3	12.5	12.5	12.0	12.0	12.0	11.0	12.0	11.6	11.5	11.5	12.0	13.5	14.0	14.0	14.0
4	13.5	13.0	13.0	14.0	14.0	13.5	13.5	14.6	15.0	15.5	16.0	16.5	16.0	16.6	16.5
5	14.0	14.0	13.5	13.0	13.0	13.0	13.5	15.6	15.5	17.0	17.5	17.5	17.5	16.3	16.0
6	15.5	15.5	15.0	15.5	15.0	15.0	15.0	13.7	14.0	13.5	13.0	15.0	13.0	12.8	12.5
7	8.0	7.8	7.2	7.0	7.0	6.8	6.8	7.2	6.2	7.6	7.8	7.8	8.0	8.2	7.8
8	8.5	8.5	9.0	9.0	9.0	9.0	9.5	10.2	10.5	10.5	10.0	9.5	10.0	9.8	10.5
9	7.6	7.6	7.6	7.6	7.8	7.8	8.0	9.3	9.5	9.5	9.0	9.0	9.0	8.6	8.0
10	7.6	7.6	7.6	7.4	7.4	7.4	7.8	9.5	9.5	9.5	10.0	10.0	10.0	10.4	10.0
11	10.5	10.5	10.5	10.0	9.5	9.5	10.0	10.5	11.0	10.5	11.0	10.5	11.5	11.4	11.5
12	11.5	11.0	10.5	11.0	11.0	11.0	10.5	13.4	13.5	13.5	12.5	13.0	12.0	11.9	10.5
13	13.0	13.5	13.5	13.5	15.0	12.0	11.5	11.7	11.0	11.0	12.0	12.0	12.0	12.3	12.5
14	9.0	9.0	8.5	8.5	8.0	8.5	8.0	7.4	7.8	7.8	9.0	8.5	8.5	8.8	9.0
15	7.4	7.0	7.0	7.0	6.8	6.6	6.8	7.5	7.8	7.8	7.4	6.4	6.6	6.5	5.6
16	6.8	6.4	6.4	6.4	6.4	6.4	7.0	7.9	8.0	7.6	7.6	7.2	6.6	6.7	6.6
17	7.4	7.2	7.4	7.4	7.2	7.2	7.2	7.6	8.0	8.5	8.0	8.5	8.0	8.2	8.5
18	7.2	7.6	7.8	8.0	7.8	7.2	8.0	10.4	10.0	10.5	11.5	11.0	11.5	11.1	11.5
19	11.0	11.0	11.5	11.5	11.5	11.0	11.5	12.2	12.5	13.0	13.5	13.5	13.0	14.1	14.0
20	15.0	15.0	15.0	15.0	16.0	16.0	16.0	16.1	16.0	16.0	15.5	15.5	15.5	15.8	13.5
21	9.5	9.5	9.5	9.5	9.5	9.0	9.0	9.8	10.0	9.5	9.5	9.0	8.5	8.6	8.5
22	7.4	7.0	7.0	6.4	6.4	6.2	6.0	7.3	8.0	7.2	6.8	7.4	6.0	6.0	6.0
23	5.6	5.4	5.2	5.0	5.0	5.4	5.2	7.4	8.0	10.0	7.6	7.2	7.0	7.3	7.2
24	5.8	5.6	5.6	5.6	5.4	5.4	6.0	8.7	8.5	8.5	8.0	8.0	7.6	8.1	8.0
25	7.6	7.4	7.4	7.4	7.4	7.4	7.6	8.9	8.5	9.0	9.0	8.0	8.0	9.0	8.0
26	9.5	9.5	9.5	9.5	9.0	9.0	8.5	9.1	9.5	9.5	9.5	8.5	8.0	9.6	9.5
27	10.0	10.5	10.0	10.5	10.0	10.0	9.5	10.4	10.5	10.5	11.0	11.0	9.0	10.0	10.0
28	11.0	10.5	11.0	11.0	10.5	10.5	10.5	10.2	10.5	11.0	11.5	11.0	11.5	11.3	11.0
29	11.0	11.0	11.0	11.0	11.0	11.0	11.0	10.8	11.5	11.5	12.0	12.5	12.0	13.4	14.5
30	14.0	13.5	13.5	13.0	13.0	12.0	11.0	10.5	10.0	10.5	10.0	9.5	8.5	9.4	9.0
31															
Prom.	10.2	10.0	10.0	10.0	9.9	9.7	9.8	10.7	10.8	11.1	11.1	11.0	10.8	11.0	10.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
69	72	85	93	98	100	100	100	100	100	varios	67	15-16	33	90
57	65	83	94	96	89	97	94	91	100	varios	54	14-15	46	86
85	87	89	91	92	93	100	100	100	100	varios	77	10-11	23	87
65	70	81	87	93	97	100	100	100	100	varios	62	15	38	87
61	64	85	85	82	88	94	90	90	100	varios	55	14-15	45	83
77	81	84	98	89	85	85	86	85	100	5,6	66	10-11	34	86
56	59	74	80	90	94	96	98	97	98	23	53	16-17	45	74
67	68	78	85	90	93	95	94	96	99	7-8	55	13-14	44	84
57	60	72	79	80	90	96	99	100	100	24	52	15-16	48	83
54	61	74	79	83	86	87	89	93	100	varios	49	14	51	79
73	81	89	89	91	96	97	100	98	100	23	51	12-13	49	83
46	51	66	69	77	85	89	94	96	100	varios	42	15-16	58	77
86	93	99	97	95	93	94	88	88	99	18	78	14-15	21	90
64	67	73	82	87	91	94	96	94	96	23	60	13-14	36	79
45	52	74	87	92	97	98	98	100	100	varios	39	14-15	61	78
44	52	66	76	84	89	92	90	88	100	varios	40	13-14	60	76
54	63	75	84	88	93	98	100	100	100	varios	44	14	56	79
59	64	72	78	83	85	85	84	83	100	varios	54	14	46	80
69	72	77	76	85	86	87	84	87	97	4,5	57	13-14	40	80
71	73	82	85	84	86	87	87	91	100	7	71	16	29	90
63	65	71	76	85	93	93	94	97	100	6,7	55	13-14	45	82
53	61	77	88	94	96	100	100	100	100	varios	46	14-15	54	82
61	70	83	93	94	97	98	100	100	100	varios	53	varios	47	84
63	70	78	89	94	97	99	100	100	100	varios	53	14,15	47	84
56	62	76	79	81	85	89	91	89	100	varios	54	12,13	46	80
56	68	78	85	92	87	91	92	92	100	varios	44	13	56	80
51	63	77	82	81	82	81	84	85	92	0	45	13,14	47	74
62	72	81	87	85	87	85	85	82	89	5	53	13-14	36	78
93	94	98	100	98	100	100	97	100	100	varios	68	11	32	88
65	76	82	87	93	96	98	100	100	100	varios	52	14	48	85
63	68	79	85	88	91	94	94	94	99		55		44	82

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
16.0	17.0	16.5	16.5	16.5	15.5	14.5	14.0	13.0	17.8	14	13.0	24	4.8	15.8
16.5	16.5	18.0	17.5	17.7	16.5	16.5	14.5	14.0	18.0	10,18	10.5	6	7.5	15.1
14.0	14.5	14.0	14.0	14.0	13.5	13.5	13.5	13.5	14.5	17	11.0	6	3.5	12.9
16.0	16.0	16.5	16.0	15.7	16.0	15.0	15.0	14.5	16.6	14	13.0	2,3	3.6	15.1
16.5	15.5	17.5	16.5	16.2	16.5	16.5	16.0	15.5	17.5	varios	13.0	varios	4.5	15.6
13.0	13.0	12.0	13.5	12.3	10.5	10.0	10.0	9.5	15.5	varios	9.5	24	6.0	13.2
8.5	8.0	8.5	8.5	8.7	8.5	8.5	8.5	8.5	8.7	20	6.2	9	2.5	7.8
10.0	10.0	9.5	9.0	9.4	9.0	8.5	8.0	8.0	10.5	varios	8.0	23,24	2.5	9.4
8.5	8.0	8.5	9.0	9.3	8.5	8.5	8.0	8.0	9.5	9,10	7.6	varios	1.9	8.4
10.5	11.5	11.5	11.5	11.8	11.5	11.5	10.5	11.0	11.8	20	7.4	4,5,6	4.4	9.7
13.0	14.0	13.0	12.0	11.2	11.0	11.5	11.5	12.0	14.0	17	9.5	5,6	4.5	11.2
11.0	11.5	12.5	11.0	11.8	12.0	12.0	12.5	13.5	13.5	9,10,24	10.5	3,7,15	3.0	11.9
13.0	12.0	12.0	11.5	11.6	11.0	11.0	10.0	9.5	15.0	5	9.5	24	5.5	12.0
8.5	8.0	8.0	8.5	8.7	8.5	8.0	8.0	7.8	9.0	varios	7.4	8	1.6	8.4
6.2	7.0	7.8	8.0	7.5	7.6	7.6	7.2	6.8	8.0	19	5.6	15	2.4	7.1
6.6	7.2	7.6	7.8	7.7	7.6	7.6	7.4	7.2	8.0	9	6.4	varios	1.6	7.1
9.0	9.0	9.0	9.0	9.2	9.0	9.0	8.0	7.6	9.2	20	7.2	varios	2.0	8.1
11.0	10.5	10.5	10.5	11.1	10.5	11.0	11.5	11.5	11.5	varios	7.2	1,6	4.3	10.0
14.5	15.0	15.0	15.0	16.0	15.5	15.5	14.5	14.5	16.0	20	11.0	1,2,6	5.0	13.4
12.0	11.5	11.5	10.5	10.4	10.0	9.5	10.0	10.0	16.1	8	9.5	22	6.6	13.6
8.5	7.8	8.5	9.0	8.7	8.5	8.0	8.0	7.8	10.0	9	7.8	17,24	2.2	8.9
6.4	7.2	7.8	7.8	8.1	7.4	6.8	6.4	6.0	8.1	20	6.0	varios	2.1	6.9
7.8	7.4	8.0	7.6	7.2	7.2	6.8	6.4	6.2	10.0	10	5.0	4,5	5.0	6.8
8.5	8.5	8.5	8.0	7.6	7.4	7.4	7.2	7.4	8.7	8	5.4	5,6	3.3	7.3
9.0	8.5	9.0	8.5	9.0	9.0	9.5	10.0	9.5	10.0	23	7.4	varios	2.6	8.4
9.5	10.5	10.5	10.0	10.7	10.5	11.5	11.0	11.0	11.5	22	8.0	13	3.5	9.7
10.5	11.0	12.0	12.5	12.1	12.5	12.0	11.5	11.5	12.5	19,21	9.0	13	3.5	10.8
12.0	12.5	12.5	12.5	12.6	13.5	12.0	11.5	11.5	13.5	21	10.2	8	3.3	11.4
14.0	13.5	14.0	14.0	14.3	14.0	14.0	14.0	14.5	14.5	15,24	10.8	8	3.7	12.6
9.5	10.5	10.5	10.5	10.3	10.0	9.0	9.0	8.5	14.0	1	8.5	13,24	5.5	10.6
11.0	11.1	11.4	11.2	11.2	11.0	10.8	10.4	10.3	12.4		8.7		3.7	10.6

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	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V
1	S	2	SE	2	C	0	C	0	C	0	C	0	S	3	S	2	S	2	C	0	C	1	C	1	C	0	C	0	N	6
2	C	0	C	1	C	1	C	0	W	2	C	1	C	0	C	0	W	4	W	8	W	8	W	6	W	5	W	5	W	6
3	S	18	S	18	S	10	S	10	S	10	S	6	S	7	S	10	S	4	S	6	S	5	E	8	E	8	E	8	E	8
4	E	2	E	2	N	3	N	5	N	8	N	3	N	4	N	12	N	16	N	16	N	14	N	18	N	18	N	16	N	11
5	N	7	N	9	N	7	N	5	N	3	N	2	C	0	N	4	N	8	N	10	N	14	N	10	N	16	N	16	N	16
6	N	8	N	8	N	5	C	0	C	1	C	0	S	8	S	10	S	10	S	3	N	6	W	8	W	6	W	26	S	16
7	S	14	S	12	S	11	S	12	S	9	S	9	S	7	S	10	S	15	S	14	S	12	S	10	S	10	S	9	S	8
8	S	2	S	3	S	3	S	4	S	5	S	2	S	3	S	3	S	3	S	7	S	9	S	8	S	7	S	8	S	6
9	W	3	SW	6	W	2	SW	4	W	2	W	5	SW	3	W	4	S	8	S	10	S	11	S	12	S	10	S	8	S	9
10	N	3	N	5	N	6	N	5	N	5	N	4	N	7	N	10	N	11	N	18	N	22	N	17	N	20	N	18	N	18
11	N	9	N	10	N	5	N	5	N	8	N	5	N	7	N	8	N	13	N	14	N	17	N	20	N	18	N	13	E	7
12	C	0	C	1	E	3	C	0	C	0	C	0	C	0	C	0	C	1	C	0	E	2	E	3	E	7	E	9	E	9
13	E	2	E	4	E	2	E	2	S	2	S	11	S	18	S	16	S	16	S	14	SE	5	SE	3	SE	6	E	8	E	10
14	S	9	S	9	S	7	S	7	S	7	S	7	S	6	S	6	S	9	S	10	S	8	S	8	S	10	S	8	S	8
15	S	7	S	7	C	1	C	1	S	5	S	3	S	6	S	5	S	9	S	9	S	10	S	9	S	9	S	10	S	7
16	W	3	W	3	W	4	W	4	W	4	W	4	W	2	W	2	NW	6	NW	10	NW	16	NW	18	NW	18	NW	18	NW	16
17	N	8	N	5	N	6	N	6	N	6	N	5	N	3	N	8	N	23	N	20	N	20	NW	25	NW	17	NW	14	NW	11
18	N	3	N	5	N	4	N	5	N	3	C	0	N	3	N	6	N	9	N	11	N	16	N	18	N	17	N	19	N	16
19	N	17	N	16	N	15	N	9	N	9	N	13	N	13	N	9	N	23	N	24	N	20	N	24	N	28	N	23	N	18
20	N	9	N	12	N	15	N	11	N	8	N	4	W	3	W	3	S	4	E	3	S	2	S	6	S	6	S	9	S	10
21	W	12	W	11	SW	11	W	11	W	11	W	11	SW	11	SW	13	SW	15	S	20	S	18	S	18	S	17	S	15	S	16
22	S	2	S	3	S	3	SW	2	SW	5	SW	4	SW	4	S	2	S	5	S	6	S	6	S	6	S	8	S	7	S	5
23	C	1	C	1	S	2	S	3	S	4	S	3	S	2	S	3	S	4	SE	3	E	6	SE	4	SE	5	S	2	E	3
24	C	0	C	1	C	0	N	3	N	3	N	2	N	5	N	5	N	12	N	14	N	12	N	12	N	9	N	9	N	10
25	N	9	N	7	N	7	N	4	N	5	E	6	E	7	NE	9	N	16	N	18	N	15	N	16	N	15	N	15	N	12
26	NE	9	NE	11	NE	14	NE	12	NE	11	NE	9	NE	8	NE	10	NE	16	N	18	N	13	N	10	N	9	N	9	E	9
27	NE	7	NE	9	NE	11	NE	12	NE	10	NE	10	NE	11	NE	14	N	15	N	18	N	16	N	16	N	16	N	17	N	15
28	NE	14	NE	14	NE	13	NE	14	NE	12	NE	14	NE	15	NE	15	N	21	N	21	N	17	N	20	N	23	N	24	N	20
29	NE	18	NE	16	NE	17	NE	15	NE	15	NE	16	NE	21	NE	15	N	21	N	23	N	24	N	26	N	19	N	13	NW	6
30	W	13	SW	7	S	6	NW	9	W	14	W	15	W	14	W	16	W	20	W	24	W	26	W	26	W	17	W	16	W	10
31																														
DIR. PREV.	N		N		N		N		N		N		S		S		N-S		N		N		N		N		N		N	
Nº de HORAS	9		9		10		10		10		8		9		10		12		13		14		12		12		12		10	
PROM. HOR. DE LA VELOC.		7		7		6		6		6		6		7		8		11		12		12		13		12		12		11

15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		PREVAL. DIARIA		PROM. DIARIO DE VELOC.	VELOCIDAD INSTANTÁNEA		
D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	DIR.	Nº de HORAS		VELOC.	DIREC.	HORA
W	5	W	3	C	0	C	0	C	0	C	1	N	3	C	1	W	3	C	14	1	10	N	14.00
W	4	W	2	C	0	C	0	C	0	S	6	S	14	S	16	S	20	C-W	10	4	24	S	23.42
E	6	E	6	E	4	E	5	E	5	E	7	E	5	E	8	E	6	E	13	8	24	S	0.12
N	11	N	10	N	4	N	6	NE	3	NE	4	E	3	E	4	N	5	N	18	8	19	N	8.03
N	12	N	8	E	6	E	6	E	6	E	4	E	2	N	5	N	9	N	18	8	17	N	12.17
S	13	S	12	S	8	S	12	S	9	S	12	S	15	S	12	S	13	S	14	9	33	W	13.18
S	4	S	4	S	2	S	3	C	0	S	4	E	3	C	1	C	0	S	20	8	25	S	1.28
C	1	S	4	S	4	S	4	S	4	S	4	S	3	S	6	S	3	S	23	4	16	S	10.28
SW	7	W	4	W	4	W	4	W	4	C	0	W	4	C	1	W	2	W	11	5	22	SW	10.51
N	19	N	15	N	7	N	10	N	12	N	12	N	11	N	11	N	9	N	24	11	24	N	14.25
E	2	C	0	C	1	E	5	C	1	E	2	E	3	E	5	E	2	N	14	8	20	N	11.36
E	8	E	10	E	4	E	4	E	5	E	5	E	5	E	3	E	6	E	15	4	10	N	13.22
S	6	S	10	S	10	S	8	S	4	S	12	S	10	S	10	S	9	S	15	8	30	S	6.30
S	8	S	9	S	5	S	3	S	3	S	5	S	4	S	6	S	5	S	24	7	18	S	11.52
S	7	S	4	C	1	W	2	C	0	C	0	C	0	W	3	W	2	S	15	5	18	S	13.38
NW	14	NW	8	N	3	N	3	N	6	N	5	N	6	N	7	N	8	NW	9	8	22	NW	11.20 13.22
NW	11	N	9	N	8	N	8	N	8	N	5	N	3	N	2	C	0	N	18	10	20	NW	10.51
N	16	N	12	N	9	N	8	N	7	N	5	N	12	N	14	N	19	N	23	10	18	N	23.58
N	14	N	10	N	4	N	9	N	9	N	11	N	14	N	14	N	12	N	24	15	38	N	12.04
S	15	S	18	S	19	S	14	S	12	S	10	S	14	W	10	W	11	S	13	10	38	S	16.24
S	14	S	10	SW	8	SW	5	SW	4	SW	4	SW	7	S	5	S	5	S	10	11	34	S	10.06
S	4	S	3	C	0	C	0	C	1	C	0	C	0	C	0	C	0	S	13	3	12	S	12.30
E	5	E	5	E	2	E	4	E	5	E	2	E	2	E	3	C	1	E	10	3	7	E	10.50
E	9	E	6	N	5	N	4	N	4	E	3	E	3	E	3	E	7	N	15	6	15	N	12.00
N	13	N	11	NE	4	NE	5	NE	7	NE	8	NE	7	NE	8	NE	10	N	16	10	24	N	11.24
E	10	E	7	E	7	E	8	E	9	E	10	E	7	E	3	NE	5	NE	10	10	21	N	8.56
N	13	E	8	E	8	E	10	NE	8	NE	10	NE	12	NE	12	NE	11	NE	13	12	23	NE	12.36
N	17	NE	9	E	3	NE	5	NE	10	NE	13	NE	15	NE	16	NE	17	NE	15	15	33	N	12.41 13.01
E	4	NE	9	NE	11	NE	12	NE	14	NE	12	NE	6	E	7	E	5	NE	14	14	32	N	11.14
W	5	W	6	W	8	W	6	W	4	W	7	W	4	W	4	W	2	W	21	12	36	W	12.40
N-S		S		N		N-E		N		E-S		E		E		N-S		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		84 Km.		
8		9		7		7		6		7		9		8		6		N	214	8	DIREC.	DIA	HORA
	9		8		5		6		5		6		6		7		7				NW	17	de 11.20 a 11.25

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	2	9					1	2	4	9			3	11			14	35
2									4	56			10	50			10	109
3					13	84			11	104								188
4	18	180	2	7	4	11												198
5	18	161			5	24											1	185
6	4	27							14	153			3	40			3	221
7					1	3			20	179							3	183
8									23	105							1	106
9									7	68	4	20	11	38			2	127
10	24	275																275
11	14	152			7	26											3	180
12					15	83											9	85
13					6	28	3	14	15	156								198
14									24	167								167
15									15	107			3	7			6	119
16	7	38											8	26	9	124		188
17	18	153													5	78	1	231
18	23	237															1	237
19	24	358																358
20	6	59			1	3			13	139			4	27				228
21									10	138	9	78	5	56				272
22									13	60	4	15					7	76
23					10	37	3	12	8	23							3	75
24	15	109			6	31											3	141
25	14	163	8	58	2	13												234
26	5	59	10	105	9	70												234
27	8	126	13	137	3	26												289
28	8	163	15	196	1	3												362
29	6	126	14	197	3	16									1	6		345
30									1	6	1	7	21	257	1	9		279
31																		
SUMAS	214	2395	62	700	86	458	7	28	182	1470	18	120	68	512	16	217	67	5923
% PREVAL POR VELOCIDAD	40.4		11.8		7.7		0.5		24.8		2.0		8.6		3.7		0.4	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	11		11		5		4		8		7		8		14		0.3	197

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	9	4	2		7		4		4
1 - 2	9	4	2	1	6	2	2		4
2 - 3	10	4	2		7	1	2		4
3 - 4	10	4	1		5	2	2	1	5
4 - 5	10	4			7	1	5		3
5 - 6	8	4	1		7	1	4		5
6 - 7	7	4	1		9	3	3		3
7 - 8	8	5			10	1	4		2
8 - 9	12	1			12	1	2	1	1
9 - 10	13		1	1	10		2	1	2
10 - 11	14		2	1	9		2	1	1
11 - 12	12		2	2	8		3	2	1
12 - 13	12		2	2	8		3	2	1
13 - 14	12		3		9		3	2	1
14 - 15	10		6		9		2	3	
15 - 16	8		7		8	1	3	2	1
16 - 17	7	2	6		9		4	1	1
17 - 18	7	2	7		6	1	2		5
18 - 19	7	3	7		6	1	3		3
19 - 20	6	5	5		5	1	2		6
20 - 21	5	5	7		7	1	1		4
21 - 22	6	4	9		6	1	2		2
22 - 23	6	3	8		6		3		4
23 - 24	6	4	5		6		5		4
SUMAS	214	62	86	7	182	18	68	16	67
% de frec. por dirección	29.7	8.6	11.9	1.0	25.3	2.5	9.4	2.2	9.3

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	Claro	0	Cu	7	Cu	6	Claro	0	Claro	0	93	97	97
2	Claro	0	Cu	4	Cu	3	Ci	3	Ac	7	6	8	7
3	Ac	8	St	8	St	8	St	7	St	8	7	7	6
4	Ac	5	Cu	1	Cu	4	Claro	0	Claro	0	8	8	8
5	Sc	3	Cu	5	Cu	4	Sc	2	Sc	6	8	9	8
6	Sc 1 Cs 6	7	Ac As	8	Sc 1 As 7	8	Fs	8	As	8	9	8	8
7	Ci	1	Cu	1	Cu	2	Sc	4	Claro	0	9	9	8
8	Sc 2 Ac 4	6	Cu Sc 3 Ci 1	4	Cu Sc	8	Sc	1	Ac	1	8	9	9
9	Calro	0	Cu	1	Cu	4	Sc	6	Sc	4	9	9	8
10	Claro	0	Ci	1	Claro	0	Claro	0	Claro	0	7	8	8
11	Cs	5	Cs	7	As	7	Cs	3	Cs	1	9	8	7
12	Ac	1	Claro	0	Claro	0	Claro	0	Claro	0	7	7	7
13	St 4 Ac 3	7	St	8	Sc 2 As 6	8	St	8	St	8	8	7	7
14	Ac 1 Ci 3	4	Ac 1 Ci 6	7	Sc 2 Ac 3 Ci 2	7	Sc	5	Sc	3	9	9	8
15	Claro	0	Claro	0	Claro	0	Sc	1	Claro	0	9	9	9
16	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	8	9
17	Ci	2	Ci	6	Ci	4	Ci	2	Ci	1	9	9	9
18	Claro	0	Claro	0	Claro	0	Ci	3	Cs	3	9	8	8
19	Cs	8	Cs	8	Ac 2 Cs 4	6	Ac	8	St	7	8	8	7
20	St	8	Sc	8	Sc	8	Claro	0	Claro	0	7	8	9
21	St Fs	3	Cu	7	Sc	5	Sc	7	Claro	0	9	8	8
22	Claro	0	Cu	4	Sc	6	Sc	5	Ac	2	8	8	8
23	Claro	0	Claro	0	Cu	1	Claro	0	Claro	0	7	7	5
24	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	8	7
25	Claro	0	Ci	1	Ci	1	Ci	3	Ci	4	9	9	9
26	Ci	4	Cs	8	Ci	3	Cs	8	Cs	8	9	7	5
27	Claro	0	Ci	1	Ci	3	Claro	0	Ci	4	9	9	8
28	Cs	8	Cs	7	Cs	8	Cs	8	Ci Cs	7	8	8	8
29	Cs	8	Cs 5 Ac As 3	8	St	8	Fs	8	Fs	8	9	8	8
30	Claro	0	Cu 1 Cs 3	4	Ci Cs	8	Ac As	7	Ac 1 Ci 4	5	9	8	9
31													
Prom.		3		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
	9	36.8	24.0	1.04	7	4	3	Ne.
	10	45.3	28.4	1.46	7	5	3	Ne.
1	12	35.0	26.7	0.67	7	0	4	Ne.
	14	44.4	30.2	1.15	6	3	4	Ne.
	15	36.7	27.6	0.74	6	1	4	Ne.
	9	41.5	26.7	1.20	0	5	5	
	10	48.6	30.5	1.47	3	5	5	
2	12	43.5	30.0	1.10	4	5	5	
	14	46.4	32.0	1.17	3	5	5	
	15	47.0	32.1	1.21	2	5	5	
	9	25.5	19.2	0.51	8	0	5	
	10	30.0	21.0	0.73	8	0	4	Ne.
3	12	27.0	21.3	0.46	8	0	4	Ne.
	14	23.5	20.6	0.24	8	0	4	Ne.
	15	22.5	21.4	0.09	8	0	4	Ne.
	9	31.5	23.0	0.69	5	3	5	
	10	44.0	27.8	1.32	2	5	5	
4	12	45.5	30.0	1.26	1	5	5	
	14	45.5	32.4	1.06	4	3	5	
	15	-	-	-	-	-	-	s/R.
	9	41.5	27.1	1.17	1	5	5	
	10	46.0	30.2	1.28	1	5	5	
5	12	43.5	30.8	1.03	5	3	5	
	14	45.7	32.2	1.10	4	3	5	
	15	43.2	31.0	0.99	3	5	5	
	9	25.0	20.2	0.39	7	0	5	
	10	27.2	21.5	0.46	7	0	5	
6	12	24.3	21.0	0.27	8	0	5	
	14	31.6	22.2	0.76	8	1	5	
	15	25.4	20.9	0.36	8	1	5	
	9	34.5	18.0	1.34	0	5	5	
	10	40.7	21.2	1.58	4	3	5	
7	12	39.5	22.0	1.42	1	5	5	
	14	40.0	22.8	1.40	2	5	5	
	15	37.8	21.8	1.30	1	5	5	
	9	23.8	17.0	0.55	7	1	5	
	10	40.4	23.1	1.41	5	5	5	
8	12	43.0	24.8	1.48	4	5	5	
	14	24.8	19.9	0.40	8	0	5	
	15	28.1	18.4	0.79	7	4	5	
	9	35.1	17.7	1.41	3	5	5	
	10	35.0	18.6	1.33	1	3	4	Ne.
9	12	40.9	23.2	1.44	1	5	5	
	14	25.0	18.8	0.50	4	3	5	
	15	42.2	24.7	1.42	4	5	5	
	9	35.9	20.3	1.27	0	5	5	
	10	39.7	23.3	1.33	1	5	5	
10	12	43.5	27.0	1.34	1	5	5	
	14	43.1	27.7	1.25	0	5	5	
	15	40.9	27.0	1.13	0	5	5	
	9	32.7	21.3	0.93	6	4	5	
	10	41.6	25.7	1.29	5	2	5	
11	12	45.3	28.7	1.35	7	5	5	
	14	28.8	22.9	0.48	7	1	5	
	15	27.2	22.1	0.41	8	1	5	
	9	40.2	24.8	1.25	1	5	5	
	10	44.2	28.2	1.30	0	5	5	
12	12	46.3	30.3	1.30	0	5	5	
	14	45.2	30.3	1.21	0	5	4	B.
	15	42.9	29.1	1.12	0	5	5	
	9	25.8	18.6	0.58	8	1	5	
	10	17.8	16.4	0.11	8	0	5	
13	12				8	0	4	Ne., Am.
	14				8	0	4	Ne., Am.
	15				8	0	4	Ne., Am.
	9	34.8	17.8	1.38	5	5	5	
	10	38.2	20.2	1.46	5	5	5	
14	12	40.2	22.2	1.48	7	5	5	
	14	30.7	19.6	0.90	7	2	5	
	15	33.3	19.9	1.09	7	3	5	
	9	33.7	17.2	1.34	0	5	5	
	10	36.5	19.0	1.42	0	5	5	
15	12	39.3	21.9	1.41	0	5	5	
	14	39.5	23.0	1.34	0	5	5	
	15	37.0	21.5	1.26	0	5	5	
	9	35.7	19.0	1.36	0	5	5	
	10	38.8	21.3	1.42	0	5	5	
16	12	40.4	23.2	1.40	0	5	5	
	14	39.0	23.5	1.26	0	5	5	
	15	36.9	22.7	1.15	0	5	5	

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9	35.1	18.6	1.34	2	5	5	
	10	38.3	21.2	1.39	2	5	5	
17	12	41.9	24.7	1.40	6	5	5	
	14	41.5	25.3	1.32	4	5	5	
	15	40.4	25.0	1.25	3	5	5	
	9	36.6	20.8	1.28	0	5	5	
	10	40.2	23.5	1.36	0	5	5	
18	12	43.6	27.0	1.35	0	5	5	
	14	42.8	27.2	1.27	0	5	5	
	15	40.6	26.4	1.15	0	5	5	
	9	34.8	22.4	1.01	8	3	5	
	10	29.0	21.3	0.63	8	2	5	
19	12	45.4	29.0	1.33	8	2	5	
	14	44.5	29.6	1.21	6	2	5	
	15	32.5	25.7	0.55	7	2	5	
	9				8	0	4	Ne., Am.
	10				8	0	4	Ne., Am.
20	12	22.7	20.5	0.18	8	0	4	Ne.
	14	20.2	19.9	0.02	8	0	5	
	15	21.3	19.8	0.12	8	0	5	
	9	34.8	18.9	1.29	2	5	5	
	10	34.3	20.1	1.15	6	3	5	
21	12	33.3	20.8	1.02	7	2	5	
	14	43.4	25.0	1.50	5	3	5	
	15	35.2	21.3	1.13	7	3	5	
	9	33.2	16.2	1.38	0	5	5	
	10	36.2	18.2	1.48	1	5	5	
22	12	35.5	19.7	1.28	4	3	5	
	14	31.4	18.7	1.03	6	5	5	
	15	21.9	15.8	0.50	7	1	5	
	9	31.8	15.4	1.33	0	5	5	
	10	35.3	17.9	1.41	0	5	5	
23	12	36.5	20.0	1.34	0	5	5	
	14	32.8	19.7	1.06	1	5	4	B.
	15	27.4	17.4	0.81	1	5	4	B.
	9	31.8	16.6	1.24	0	5	5	
	10	36.1	19.4	1.36	0	5	5	
24	12	38.4	21.8	1.35	0	5	5	
	14	38.4	22.2	1.32	0	5	5	
	15	35.9	21.3	1.19	0	5	5	
	9	33.3	17.5	1.28	0	5	5	
	10	37.4	20.7	1.36	0	5	5	
25	12	39.9	32.2	1.36	1	5	5	
	14	39.3	23.3	1.30	1	5	5	
	15	38.2	22.6	1.27	3	5	5	
	9	33.0	19.5	1.10	4	5	5	
	10	37.3	21.7	1.27	4	5	5	
26	12	42.5	25.4	1.39	8	5	5	
	14	41.0	25.5	1.26	3	5	4	B.
	15	38.5	24.3	1.15	4	5	5	
	9	36.3	21.3	1.22	0	5	5	
	10	40.3	24.4	1.29	1	5	5	
27	12	44.0	28.0	1.30	1	5	5	
	14	43.3	28.0	1.24	3	5	5	
	15	40.7	26.8	1.13	4	5	5	
	9	32.1	19.8	1.00	8	4	5	
	10	34.5	21.7	1.00	8	4	5	
28	12	42.8	26.4	1.33	7	5	5	
	14	36.0	25.3	0.87	8	4	5	
	15	34.7	24.5	0.83	8	4	5	
	9	29.7	21.6	0.66	8	4	5	
	10	33.2	22.2	0.88	8	2	5	
29	12	25.8	21.1	0.38	8	0	5	
	14				8	0	5	Z.
	15				8	0	4	Z.
	9	33.7	23.8	0.80	0	5	5	
	10	32.8	20.2	1.02	4	3	5	
30	12	41.1	23.6	1.42	4	5	5	
	14	31.2	21.2	0.81	8	2	5	
	15	24.2	18.9	0.43	8	1	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	M.EFECTIVA	M.TEÓR.ASTRON	M.RELATIVA
1					0.5	0.9	1.0	0.5	0.5	0.7	0.5	0.8			5.4	11.6	47
2			0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		9.4	11.6	81
3															0.0	11.5	00
4				1.0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		8.6	11.5	75
5			0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6			9.3	11.5	81
6			0.1	0.1											0.2	11.4	02
7			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7		10.0	11.4	88
8				0.7	0.4	0.7	0.6	0.5	0.2	0.2	0.7	0.7			4.7	11.4	41
9				1.0	1.0	1.0	1.0	1.0	0.8	0.7	1.0	0.6			8.1	11.3	72
10			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.3	11.3	82
11			0.4	1.0	1.0	1.0	1.0	0.9							5.3	11.3	47
12				0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			8.6	11.2	77
13															0.0	11.2	00
14				0.9	1.0	1.0	1.0	1.0	1.0	0.6	0.3				6.8	11.1	61
15				0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8			8.7	11.1	78
16			0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.1	11.1	82
17				0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6			8.5	11.0	77
18				0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6			8.5	11.0	77
19				0.1	0.5	0.4	1.0	1.0	0.7	1.0	0.2	0.2			5.1	11.0	46
20												0.2			0.2	10.9	02
21				0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.2				7.0	10.9	64
22				0.8	1.0	1.0	1.0	1.0	1.0	0.7		0.2			6.7	10.9	62
23				0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			8.3	10.8	77
24				0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			8.8	10.8	82
25				0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8			8.7	10.8	81
26				0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4			8.3	10.8	77
27			0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9			9.0	10.7	84
28					0.2	0.5	1.0	1.0	0.8	0.2	0.2				3.9	10.7	36
29				0.8	0.8	0.5									2.1	10.7	20
30			0.1	1.0	1.0	1.0	1.0	1.0	0.7	0.3	0.2				6.3	10.6	59
31																	
Medias			0.1	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.5	0.0		6.5	11.1	59

GEOTEMPERATURA

DÍAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h
1	21.4	23.6	22.5	21.2	22.4	22.5	19.7	20.0	20.3	20.2	20.2	20.5	-	-	-
2	20.4	24.4	23.4	20.8	23.0	22.9	20.0	20.4	21.0	20.6	20.6	21.0	-	-	-
3	21.4	22.0	21.8	21.4	21.7	21.5	20.4	20.2	20.2	21.0	20.8	20.8	-	-	-
4	20.7	23.8	22.6	20.6	22.3	22.2	19.6	19.8	20.5	20.3	22.3	20.6	-	-	-
5	20.6	24.2	23.2	20.8	22.6	22.6	19.6	20.1	20.6	20.6	20.5	20.7	-	-	-
6	21.3	21.8	21.2	21.5	21.8	21.4	20.2	20.0	20.0	20.5	20.4	20.3	-	-	-
7	18.0	20.6	19.6	19.3	20.5	20.0	18.9	18.8	19.2	20.0	19.8	19.6	-	-	-
8	18.0	20.2	19.0	18.6	20.0	19.5	18.0	18.0	18.4	19.2	19.0	19.0	-	-	-
9	17.0	20.5	18.8	17.8	19.4	19.1	17.4	17.6	17.8	18.6	18.6	18.6	-	-	-
10	16.0	20.0	19.6	17.1	19.0	19.0	16.6	17.0	17.6	18.0	18.0	18.2	-	-	-
11	17.1	20.1	19.2	17.8	19.3	19.2	17.0	17.2	17.6	18.0	18.0	18.3	-	-	-
12	17.8	22.0	20.3	18.3	20.5	20.2	17.2	17.8	18.4	18.0	18.1	18.7	-	-	-
13	18.0	18.8	18.6	18.5	18.6	18.7	17.6	17.3	17.3	18.4	18.2	18.2	-	-	-
14	16.4	18.8	17.8	17.3	18.6	18.3	16.5	16.6	17.3	16.7	17.4	17.5	-	-	-
15	15.7	18.0	16.8	16.4	18.0	16.5	16.2	16.3	16.4	17.4	17.3	17.3	-	-	-
16	13.8	17.6	16.3	15.1	17.2	16.9	15.1	15.3	15.7	16.8	16.6	16.5	-	-	-
17	14.2	17.3	16.8	15.2	16.7	17.0	15.0	15.0	15.4	16.2	16.0	16.3	-	-	-
18	14.2	18.5	17.9	15.2	17.2	17.6	14.8	15.4	16.0	16.1	16.3	16.6	-	-	-
19	17.0	19.4	19.4	16.8	18.0	18.6	15.8	16.0	16.4	16.7	16.8	17.0	-	-	-
20	19.1	19.3	18.6	18.6	18.9	18.6	16.5	16.9	17.0	17.1	17.1	17.3	-	-	-
21	16.6	18.4	17.6	17.0	18.0	17.7	16.0	16.2	16.4	17.2	16.7	17.2	-	-	-
22	14.3	17.0	16.2	15.5	16.9	16.6	15.1	15.1	15.6	16.3	16.1	16.5	-	-	-
23	13.0	16.2	15.0	14.3	16.0	15.7	14.3	14.4	14.7	15.7	15.6	15.7	-	-	-
24	12.4	16.0	15.0	13.8	15.5	15.5	13.8	13.8	14.0	15.2	15.0	15.0	-	-	-
25	13.2	16.3	15.3	14.1	15.6	15.6	13.4	13.6	14.0	14.9	14.8	15.0	-	-	-
26	14.5	17.6	16.8	14.8	16.4	16.5	13.7	14.2	14.5	14.9	15.0	14.4	-	-	-
27	15.8	18.6	17.6	15.7	17.3	17.3	14.3	14.9	15.4	15.2	15.4	15.6	-	-	-
28	16.4	18.6	17.8	16.4	17.4	17.5	15.1	15.2	15.6	15.8	15.6	16.0	-	-	-
29	16.6	18.0	18.0	16.6	17.4	17.6	15.2	15.2	15.4	16.0	15.8	15.8	-	-	-
30	17.0	18.7	17.2	16.9	17.8	17.5	15.6	15.6	15.7	16.0	16.0	16.0	-	-	-
31															
Prom.	16.9	19.5	18.7	17.4	18.8	18.7	16.6	18.8	17.2	17.6	17.6	17.7	-	-	-

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	0.1	0.6	0.7	1.6							10474
2					0	0.3	1.0	0.8	2.6	B. 9	16.6	18.1	18.9	21.6	17.2	10472
3					0	0.8	0.6	0.4	1.3							10488
4					0	0.3	1.3	1.1	2.7							10486
5					0	0.3	1.4	1.2	3.2							10481
6	0.2	0.6	0.0	0.0	0	0.6	0.6	0.7	2.5							10474
7	0.1	0.2	0.0	0.0	0	1.2	1.2	0.8	2.2	B.10	14.7	16.2	23.7			10489
8					0	0.2	0.9	0.6	1.7							10487
9					0	0.2	0.8	0.8	2.1							10486
10					0	0.5	1.9	1.4	3.8							10492
11					0	0.5	1.4	1.1	2.8							10497
12	23.6	24.4	23.9	22.1	0	0.3	1.2	1.4	3.0							10498
13	0.0	0.3	0.0	0.0	2	0.4	0.4	0.2	1.2							10511
14					2	0.6	1.0	0.7	2.1	B.11	19.3	17.9	22.0			10511
15					1	0.4	1.2	0.9	2.5							10515
16					0	0.4	0.8	0.9	2.6							10517
17					0	0.9	2.4	1.0	3.6	B.12	17.0	14.9	12.8			10516
18					0	0.2	1.4	1.2	3.4							10517
19	0.2	2.2	1.3	1.3	0	0.8	1.4	1.1	3.3							10496
20					2	0.8	0.1	0.7	1.1							10496
21					1	0.3	1.2	0.7	2.3							10521
22					0	0.4	0.8	0.5	1.6	B.13	16.5	16.2	19.6	19.9		10550
23					0	0.3	1.5	0.6	2.1							10552
24					0	0.0	1.1	0.7	1.9							10552
25					0	0.1	1.2	0.9	2.6							10552
26					0	0.5	1.1	0.7	2.9							10550
27					0	1.1	1.1	1.0	3.1							10550
28					0	1.0	1.4	0.8	3.1	B.14	13.4	14.4	20.8			10549
29	28.2	30.3	28.6	26.8	0	0.9	1.0	0.2	1.4							10543
30					2	0.2	1.3	0.5	1.8							10543
31																
Prom.	52.3	58.0	53.8	50.2	-	0.5	1.1	0.8	2.4	-	-	-	-	-	-	10512

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		
-	-	-	22.5	22.5	22.5	22.2	20.6	13.3	Ca. m. y n., Cn. t., N. m., Ne. t. y n.
-	-	-	22.5	22.5	22.5	22.2	20.6	11.8	Ca. m. y t., N. m., Ne. n.
-	-	-	22.5	22.5	22.5	22.1	20.9	-	Cn. m. t. y n., r. m., Ne. t. y n.
-	-	-	22.5	22.5	22.5	22.1	20.9	8.6	Cn. m., Ca. t. y n., r. n.
-	-	-	22.5	22.5	22.5	22.1	20.9	-	Ca. m., Cn. t. y n., r. m., LL. n.
-	-	-	22.4	22.5	22.5	22.0	20.6	-	Cn. m. t. y n., LL. m. y t.
-	-	-	22.3	22.3	22.3	22.0	20.7	-	Ca. m. t. y n., r. m. y n.
-	-	-	22.2	22.3	22.2	22.0	20.6	4.6	Cn. m. y t., Ca. n., r. m., CH. t.
-	-	-	22.2	22.2	22.2	22.0	20.7	4.1	Ca. m., Cn. t. y n., r. m.
-	-	-	21.8	21.9	21.9	22.0	20.6	2.0	Ca. m. t. y n., Ne. m., r. n.
-	-	-	21.7	21.7	21.7	22.0	20.6	4.7	Cn. m. y t., Ca. n., r. m., Ne. n.
-	-	-	21.7	21.6	21.6	22.0	20.7	7.7	Ca. m. t. y n., Ne. m. y n., B. t.
-	-	-	21.4	21.4	21.5	21.6	20.6	10.5	Cn. m. t. y n., Ru. LL. m., Z. m., Ne. t. y n.
-	-	-	21.2	21.3	21.2	21.9	20.6	4.8	Cn. m. y t., Ca. n., r. m.
-	-	-	21.2	21.2	21.1	20.9	20.5	1.2	Ca. m. t. y n., r. m. t. y n.
-	-	-	20.9	21.0	20.9	21.8	20.7	- 0.9	Ca. m. t. y n., r. m. t. y n.
-	-	-	20.7	20.9	20.8	21.7	20.6	1.6	Ca. m. y n., Cn. t., r. m. t. y n.
-	-	-	20.6	20.6	20.5	21.7	20.7	1.8	Ca. m. t. y n., r. m., Jl. n.
-	-	-	20.5	20.4	20.4	21.7	20.6	8.6	Cn. m. t. y n., Z. n.
-	-	-	20.5	20.5	20.6	21.5	20.7	16.6	Cn. m. y t., Ca. n., Ru. LL. Ne. m.
-	-	-	20.3	20.3	20.3	21.5	20.7	7.6	Ca. m. y n., Cn. t., r. m. y n.
-	-	-	20.2	20.2	20.2	21.5	20.6	- 0.5	Ca. m. y n., Cn. t., r. m. y n.
-	-	-	20.2	20.1	20.0	21.5	20.6	- 1.4	Ca. m. t. y n., h. Ne. m., B. t., r. N. n.
-	-	-	19.7	19.8	19.7	21.4	20.6	- 2.4	Ca. m. t. y n., h. Ns. Ne. m., Nc. N. Ns. n.
-	-	-	19.7	19.7	19.5	21.3	20.6	0.1	Ca. m. y t., Cn. n., Ne. Ns. m. y n., Dl. n.
-	-	-	19.5	19.5	19.5	21.3	20.6	- 0.4	Cn. m. y n., Ca. t., r. m., B. t., Jl. N. n.
-	-	-	19.2	19.3	19.2	21.2	20.6	8.6	Ca. m. y t., Cn. n., r. n.
-	-	-	19.3	19.3	19.3	21.0	20.6	9.9	Cn. m. t. y n., r. m., Dl. n.
-	-	-	19.2	19.3	19.3	21.0	20.6	10.6	Cn. m. t. y n., Z. t. y n., LL. n.
-	-	-	19.2	19.2	19.2	21.0	20.5	10.4	Ca. m., Cn. t. y n.
-	-	-	21.0	21.0	21.0	21.7	20.6	5.5	

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	58.7	64.1	3	10,11	51.0	6	2	17.4	23.2	12.4	28.8	2	15	7.6	10	4,5,6	6.5	11.4	57
2ª	58.5	64.0	16	varios	46.8	20	9	15.2	21.0	9.7	26.6	12	13	5.4	16	2,3,5	6.1	11.1	55
3ª	53.8	70.6	23	9,10	52.4	30	3-4	13.7	19.5	8.6	23.8	27	14	2.5	23	3	6.9	10.8	64
MES	60.0	70.6	23	9,10	46.8	20	9	15.4	21.2	10.2	28.8	2	15	2.5	23	3	6.5	11.1	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	84	100	varios	49	10	12.3	18.0	6.2	S	8	48	10	26	6	13-14	33	W	6	13.18	0.8	0.6	6	0.6	6	18-19
2ª	81	100	varios	39	15	10.3	16.1	5.6	N	11	84	17	28	19	12-13	38	N	19	12.04	26.9	24.4	12	20.0	13	6-7
														29	11-12		S	20	16.24					
3ª	82	100	varios	44	26	9.3	14.5	5.0	N	13	72	28	26	30	10-11 11-12	36	W	30	12.40	30.3	30.3	29	13.0	30	0.30-1
MES	82	100	varios	39	15	10.6	18.0	5.0	N	11	84	17	28	19	12-13	38	N	19	12.04	58.0	30.3	29	20.0	13	6-7
																	S	20	16.24					

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	4	-	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-
2ª	7	2	4	3	-	-	-	2	2	-	-	-	-	-	-	2	2
3ª	7	2	3	1	3	-	-	1	-	-	-	-	-	-	-	-	1
MES	18	3	11	4	3	-	-	4	2	-	-	-	-	-	-	2	3

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	5	-	-	-	-	-	-	-	-	-	-	2	2	-	4	-
2ª	6	-	-	-	-	-	-	-	1	-	-	4	2	-	2	-
3ª	7	-	-	-	-	-	2	-	2	-	-	3	2	-	-	-
MES	18	-	-	-	-	-	2	-	3	-	-	9	6	-	6	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VIII — MAYO 1953 — Nº 5

RESUMEN MENSUAL

Toda la primera década se destaca por temperaturas y valores de la tensión del vapor por debajo de los promedios mensuales respectivos y una presión atmosférica por arriba del término medio mensual. La causa es la casi continua afluencia de masas de aire de origen polar que se expresa en el hecho que 3 anticiclones fríos, en los días 4, 6 y 10 pasan por el Observatorio en este lapso; por lo tanto la temperatura se encuentra en pleno descenso durante los primeros días del mes, para alcanzar el nivel más bajo mensual con 3.0°C el día 4, en que la temperatura de la superficie terrestre bajó a -1.0°C. El cielo muestra una nubosidad muy variable y hay en general menos del 50% de la heliofanía posible. En la segunda mitad de la década el tiempo mejora, siendo más estable y la temperatura, que descendió hasta 5.0°C por debajo de su término medio, sube paulatinamente hasta el final de la década.

El día 11 el viento cambia decididamente al sector NE, razón por la cual la temperatura y humedad aumentan en forma considerable; cambio expresado en los mínimos diarios de la temperatura que oscilaban en la primera década alrededor de 5.0°C y se encuentran ahora cerca de 15.0°C, y en la tensión del vapor que subió al doble de su valor de la primera década. Este proceso culmina el día 16 en que avanza aire tropical hasta la Patagonia; la temperatura está hasta 8.0°C sobre su normal y alcanza este día el valor máximo mensual con 25.4°C. El 17 finaliza esta semana calurosa y húmeda con un potente frente frío. Por la tarde de este día se desencadenan lluvias muy intensas (30.0 mm durante una hora) y en esta ocasión cae casi la totalidad mensual de la precipitación. Dos días después el viento sopla de nuevo desde el sector norte y termina esta década con tiempo bueno y condiciones que corresponde a esta época del año.

La última década es la más inestable del mes. Empieza con advección de aire caliente y húmedo desde el norte y con elevada temperatura y humedad. Un frente trae el 23 aire frío y seco y la tensión del vapor baja a su mínimo mensual con 4.4 mmHg y también la humedad relativa registra en este día y al día siguiente los valores mensuales más bajos con 36%, y 35% respectivamente. El 25 gira el viento al norte produciendo un corto pero intenso empuje de aire tropical. El promedio diario de la temperatura sube de 10 a 19 grados y el de la tensión del vapor de 6 a 16 mmHg mientras el promedio de la presión atmosférica baja 12 mb. El 27 se forma una depresión sobre el Río de la Plata en una zona frontal entre esta aeromasa tropical y una masa de aire fresca que avanza desde el sur. La presión baja al valor mínimo mensual (747.6 mmHg), mientras la tensión del vapor sube al máximo mensual (20.0 mmHg). En los días siguientes se mantiene la corriente del sur, produciendo un continuo descenso de temperatura y humedad y el día 30 en un anticiclón que se acerca desde el oeste sube la presión al máximo mensual con 767.2 mmHg. Recién el último día del mes el viento cambia al norte y comienzan a ascender la temperatura y humedad.

En los promedios mensuales se expresan el frecuente cambio del tiempo y los numerosos empujes de aire de origen tropical. La presión atmosférica registra 0.5 mmHg más bajo que el valor normal, mientras la temperatura 1.0°C sobre el término medio y la tensión del vapor 0.6 mmHg. Las lluvias no acusan mayores desviaciones, mientras la heliofanía indica 7% menos de su valor relativo.

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	138	193	172	69	124	41	69	159	252	152	233	207	159	124	55
2	69	28	34	83	69	41	62	110	152	145	131	124	97	83	97
3	69	69	69	55	- 69	21	69	62	97	110	117	124	138	97	110
4	69	69	41	41	41	69	49	69	138	145	104	83	90	110	83
5	21	28	55	28	28	28	28	21	21	34	41	41	62	69	69
6	55	69	69	69	76	97	145	179	179	193	220	226	207	166	172
7	138	104	69	55	69	90	97	110	104	124	124	145	166	138	138
8	83	90	69	76	83	97	97	83	110	97	90	97	117	110	124
9	83	76	104	-	-	-	-	-	166	110	104	104	104	110	124
10	138	131	124	124	97	124	138	172	193	179	220	166	131	104	90
11	166	159	152	117	76	76	21	138	138	138	138	131	138	138	145
12	83	83	76	83	97	69	76	104	138	138	131	117	145	179	179
13	117	62	55	76	62	55	62	90	110	124	152	172	172	186	186
14	83	69	62	55	55	69	76	97	104	76	310	69	310	69	186
15	69	69	62	55	69	76	90	131	152	138	124	131	110	166	172
16	110	104	69	110	110	117	104	90	104	110	104	117	104	97	104
17	117	124	110	83	76	83	69	69	69	138	± ∞	± ∞	± ∞	-	-
18	62	76	90	90	83	97	90	110	166	173	159	159	159	145	131
19	159	110	97	34	124	83	41	69	124	152	226	213	226	272	246
20	117	34	34	34	145	207	166	166	159	110	138	131	124	145	131
21	117	90	76	104	110	55	117	159	186	97	117	166	131	152	131
22	-	-	-	-	14	58	81	97	135	97	85	81	83	115	122
23	53	51	31	89	62	83	66	85	99	105	130	118	130	109	127
24	137	97	87	81	87	74	81	81	95	147	147	159	142	97	118
25	118	91	74	81	125	115	101	56	89	144	188	161	135	107	125
26	-	19	52	58	68	72	-	83	104	110	110	117	110	90	117
27	76	69	76	76	76	90	90	124	152	124	104	90	69	- 14	7
28	104	104	97	104	90	7	69	226	28	322	28	131	41	48	-
29	-	-	-	-	-	-	-	-	117	131	124	117	124	62	83
30	90	90	110	138	207	316	297	506	529	380	272	252	193	179	172
31	55	69	34	69	97	76	104	55	97	131	131	124	110	110	97
Prom.	92.3	80.0	72.4	79.9	88.8	95.7	94.7	133.2	156.5	150.1	163.7	145.9	155.7	134.9	143.9

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	0.51	0.44	0.95	1.16	367	267	634	1.37	0.97	1.15
2	0.77	0.61	1.38	1.26	605	427	1032	1.42	0.89	1.00
3	1.06	1.00	2.06	1.06	601	437	1038	1.38	1.23	1.60
4	0.66	0.54	1.20	1.22	440	242	682	1.82	1.05	1.56
5	0.77	0.74	1.51	1.04	549	357	906	1.54	0.98	1.45
6	0.87	0.75	1.62	1.16	600	412	1012	1.46	1.01	1.27
7	0.64	0.55	1.19	1.16	628	600	1228	1.04	0.71	0.64
8	0.68	0.58	1.26	1.17	527	671	1198	0.78	0.90	0.60
9	0.60	0.47	1.07	1.28	430	300	730	1.43	0.97	1.10
10	0.73	0.54	1.27	1.35	494	387	881	1.28	1.03	0.98
11	0.65	0.54	1.19	1.20	500	447	947	1.12	0.91	0.84
12	0.62	0.52	1.14	1.19	420	588	1008	0.71	1.03	0.62
13	0.72	0.62	1.34	1.16	403	520	923	0.78	1.25	0.84
14	0.65	0.51	1.16	1.27	206	398	604	0.52	2.21	0.90
15	0.77	0.62	1.39	1.24	257	460	717	0.56	2.09	0.94
16	0.69	0.57	1.26	1.21	322	454	776	0.71	1.49	0.88
17	0.70	0.78	1.48	0.90	451	620	1071	0.73	1.08	0.88
18	0.66	0.48	1.14	1.37	358	368	726	0.97	1.29	0.91
19	0.41	0.34	0.75	1.20	166	182	348	0.91	1.72	1.30
20	0.54	0.49	1.03	1.10	351	172	523	2.04	1.08	1.99
21	0.63	0.55	1.18	1.14	161	226	387	0.71	2.74	1.70
22	0.85	0.69	1.54	1.23	298	322	620	0.93	1.99	1.50
23	0.99	0.82	1.81	1.20	766	507	1273	1.51	0.90	1.13
24	0.94	0.70	1.64	1.34	711	372	1083	1.91	0.92	1.88
25	0.73	0.62	1.35	1.18	458	359	817	1.27	1.11	1.21
26	1.24	1.14	2.38	1.09	788	713	1501	1.10	1.10	1.12
27	0.86	0.79	1.65	1.09	736	475	1211	1.55	0.82	1.16
28	1.05	0.94	1.99	1.12	852	678	1530	1.26	0.86	0.97
29	0.94	0.96	1.90	0.98	761	640	1401	1.19	0.86	1.05
30	0.48	0.35	0.83	1.37	322	202	524	1.59	1.04	1.21
31	0.63	0.51	1.14	1.23	506	414	920	1.22	0.87	0.86
Prom.	0.74	0.63	1.37	1.17	505	425	930	1.19	1.02	1.03

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
69	41	41	104	104	76	69	76	97		380	- 83	463	2
83	62	90	104	138	117	110	83	76	91.2	166	21	145	0
104	69	55	-	-	-	124	97	83		166	-167	333	1 *
83	124	-	-	55	48	41	34	14		272	-104	376	1 *
48	41	34	-	-	28	69	55	55		97	7	90	0 *
220	246	145	138	166	152	131	124	69	146.4	310	00	310	0
207	226	138	104	131	90	104	97	90	119.9	272	00	272	0
131	97	-	-	-	-	186	97	- 34		272	-138	410	1 *
131	131	145	110	90	76	207	179	152		252	14	238	0 *
90	83	110	159	-	-	322	265	239		449	- 28	477	1 *
172	226	252	291	166	159	145	131	97	146.2	357	- 7	364	1
159	138	145	179	152	131	166	152	145	127.7	220	14	206	0
200	213	166	172	159	117	110	90	76	124.3	272	34	238	0
220	220	278	186	166	117	90	83	55	129.4	622	-390	1012	1
207	213	207	186	124	97	48	62	55	116.8	310	34	276	0
55	138	179	159	124	124	83	83	90	107.9	246	- 69	315	1
-	-	55	83	76	69	76	104	110		∞	- ∞	-	3 *
117	104	117	110	110	138	233	265	83	127.8	345	- 97	442	1
246	252	297	402	291	278	297	193	110	190.2	451	- 69	520	1
226	138	21	124	-	145	213	145	152		322	- 55	377	1 *
172	152	179	-	-	-	-	-	-		265	-166	431	1 *
188	214	183	173	149	115	103	81	56		236	- 5	241	1 *
159	163	120	166	166	135	83	125	125	107.5	270	- 91	361	1
101	89	76	190	∞	∞	∞	197	174		∞	- 14	-	3 *
130	118	173	107	64	53	83	66	-		212	5	207	1 *
193	179	172	138	83	69	97	97	83		284	- 41	325	1 *
55	76	97	117	83	48	28	69	48	76.2	193	-110	303	1
-	-	62	28	- 28	28	90	110	69		707	-886	1593	2 *
97	69	-	-	-	-	83	90	97		207	7	214	0 *
207	172	83	124	83	166	172	76	69	203.4	600	- 41	641	1
138	179	179	131	117	90	76	76	55	100.4	233	- 14	247	1
163.0	175.2	166.2	171.3	145.1	130.6	125.1	113.9	82.9	127.6				

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^-		
9082	10581	19663	0.86	-	31,000
4673	12658	17331	0.37	4.19	-
4371	5157	9528	0.85	-	21,500
7700	7884	15584	0.98	-	11,250
3150	3927	7077	0.80	-	16,000
8307	9017	17324	0.92	7.91	38,250
6653	6652	13305	1.00	4.72	37,500
8064	9050	17114	0.89	-	18,250
7891	8674	16565	0.91	-	-
8635	9088	17723	0.95	-	-
7550	7812	15362	0.97	5.79	-
8737	9162	17899	0.95	4.85	35,250
6957	7623	14580	0.91	5.56	20,250
6468	6995	13463	0.92	5.02	18,500
5346	6131	11477	0.87	5.41	26,750
3550	4487	8037	0.79	4.53	12,250
2916	3586	6502	0.81	-	9,500
5641	6056	11697	0.93	4.86	14,250
8728	9955	18683	0.88	4.76	17,250
5669	5572	11241	1.02	-	15,750
6893	8040	14933	0.86	-	24,500
4746	5082	9828	0.93	-	9,000
4413	4789	9202	0.92	6.59	52,500
5604	6169	11773	0.91	-	26,750
5622	6427	12049	0.87	-	8,500
3846	4111	7957	0.94	-	13,500
4098	4446	8544	0.92	4.20	8,000
1421	2354	3775	0.60	-	7,750
1458	2130	3588	0.68	-	24,500
14687	14234	28921	1.03	5.61	32,250
7827	8004	15831	0.98	3.82	11,000
6179	6748	12927	0.92	5.18	20,805

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	0.50	0.47	0.31	0.43	0.48	0.50	0.54	0.56	0.50	0.55	0.50
2	0.57	0.60	0.63	0.62	0.72	0.60	0.65	0.59	0.78	0.79	0.82	0.92
3	1.38	1.07	0.89	1.16	1.68	1.19	1.36	1.53	-	0.78	1.38	0.78
4	-	-	-	-	-	1.37	1.12	0.45	0.47	0.39	0.32	0.66
5	0.54	0.82	0.73	0.60	0.67	0.62	0.46	0.48	0.70	0.68	0.72	1.12
6	1.21	1.46	1.58	1.46	1.86	1.99	1.99	1.57	0.79	0.64	0.61	0.53
7	0.50	0.42	0.92	0.96	0.90	0.82	0.70	0.48	0.87	0.96	0.88	0.75
8	0.71	0.92	1.03	0.94	0.80	0.92	0.64	0.58	0.62	0.85	0.78	0.82
9	0.35	0.34	0.38	0.52	0.45	0.58	0.50	0.36	0.60	0.52	0.60	0.71
10	0.92	0.72	0.78	0.97	1.13	0.76	0.78	0.76	0.80	0.92	0.65	0.71
11	0.55	0.61	0.60	0.66	0.49	0.46	0.70	0.58	0.79	0.79	0.72	0.97
12	1.06	1.09	0.93	0.88	0.88	0.72	0.69	0.50	0.70	0.86	0.72	0.62
13	0.50	0.64	1.02	0.84	0.66	0.66	0.85	0.66	0.85	0.57	0.77	0.69
14	-	-	-	-	-	-	-	0.85	0.72	0.90	1.00	1.04
15	0.99	1.03	0.96	0.84	0.84	0.81	1.07	0.86	0.84	0.92	0.96	1.05
16	0.94	0.53	0.76	0.92	0.89	0.44	0.74	0.77	1.04	0.86	0.98	0.63
17	0.42	0.36	0.45	0.49	0.61	0.68	1.04	0.71	0.65	0.85	0.90	0.90
18	0.89	0.87	0.50	0.41	0.58	0.48	0.58	0.67	0.50	0.40	0.84	0.72
19	0.63	0.46	0.50	0.40	0.44	0.44	0.52	0.44	0.37	0.30	0.19	0.37
20	0.58	1.00	-	-	-	-	-	0.59	0.53	0.55	0.84	0.76
21	0.32	0.41	0.47	0.30	0.35	0.24	0.50	0.35	0.40	-	-	0.48
22	0.76	0.76	0.71	0.78	0.95	0.91	0.93	0.90	0.92	1.08	0.97	1.06
23	0.98	1.08	1.22	1.48	1.44	1.37	1.07	0.94	0.80	0.89	0.79	0.86
24	1.00	0.88	0.99	1.04	1.06	1.26	1.20	1.17	1.07	1.04	1.00	0.98
25	0.72	0.60	0.76	1.00	1.46	-	-	0.40	0.34	0.58	0.46	0.66
26	1.28	1.22	1.07	1.58	1.36	1.24	1.45	1.24	1.16	1.27	1.26	1.32
27	-	-	-	-	-	-	-	0.56	0.68	0.82	0.89	-
28	1.06	1.21	1.30	1.38	1.24	0.78	1.11	1.26	0.84	1.42	0.71	1.02
29	1.2[illegible]	0.68	0.91	1.19	1.06	0.98	0.74	0.66	-	-	-	-
30	-	-	-	-	-	-	-	0.48	0.49	0.50	0.54	0.54
31	0.40	0.41	0.39	0.52	0.52	0.65	0.74	0.59	0.71	0.92	0.72	0.65
Promedio	0.78	0.76	0.80	0.86	0.90	0.82	0.87	0.73	0.71	0.78	0.78	0.79

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	0.40	0.36	0.39	0.34	0.35	0.36	0.38	0.42	0.36	0.36	0.40	0.36
2	0.48	0.50	0.58	0.46	0.53	0.44	0.48	0.42	0.62	0.58	0.64	0.74
3	1.02	0.76	0.90	1.26	1.91	1.27	1.34	1.23	1.14	0.75	1.73	0.64
4	-	-	-	-	-	1.02	0.47	0.38	0.39	0.32	0.33	0.55
5	0.50	0.78	0.65	0.51	0.60	0.60	0.44	0.47	0.68	0.71	0.71	1.10
6	1.28	1.41	1.48	1.42	1.52	1.36	1.63	1.20	0.64	0.58	0.58	0.48
7	0.37	0.40	0.86	1.09	0.78	0.72	0.64	0.38	0.69	0.79	0.77	0.69
8	0.64	0.68	0.88	0.91	0.61	0.62	0.55	0.42	0.57	0.78	0.76	0.74
9	0.30	0.30	0.28	0.40	0.31	0.49	0.38	0.30	0.48	0.50	0.44	0.62
10	0.50	0.42	0.49	0.68	0.75	0.63	0.58	0.56	0.48	0.71	0.46	0.68
11	0.37	0.42	0.34	0.42	0.35	0.30	0.50	0.44	0.65	0.79	0.76	0.90
12	0.76	0.88	0.76	0.78	0.76	0.64	0.60	0.46	0.66	0.74	0.58	0.48
13	0.42	0.60	0.88	0.72	0.69	0.65	0.72	0.50	0.66	0.48	0.68	0.58
14	-	-	-	-	-	-	-	0.65	0.56	0.84	0.60	0.96
15	0.78	0.83	0.62	0.96	0.76	0.52	0.46	0.60	0.69	0.78	0.90	0.95
16	0.84	0.40	0.62	0.82	0.71	0.42	0.49	0.54	0.92	0.77	0.91	0.64
17	0.34	0.28	0.48	0.36	0.60	0.60	1.06	0.58	0.70	0.70	0.64	0.68
18	0.78	0.72	0.33	0.42	0.42	0.38	0.40	0.36	0.34	0.36	0.66	0.62
19	0.32	0.46	0.48	0.51	0.32	0.45	0.52	0.25	0.28	0.26	0.21	0.34
20	0.64	1.09	-	-	-	-	-	0.44	0.44	0.52	0.75	0.70
21	0.25	0.32	0.28	0.30	0.34	0.28	0.46	0.34	0.34	-	-	0.66
22	0.65	0.64	0.61	0.72	0.73	0.72	0.65	0.76	0.88	1.07	0.94	0.90
23	0.90	1.04	1.26	1.27	1.54	1.21	0.92	0.70	0.80	0.62	0.76	0.71
24	0.75	0.70	0.70	0.90	0.80	0.84	0.63	0.64	0.77	0.96	0.89	0.77
25	0.65	0.53	0.64	0.90	1.46	-	-	0.32	0.28	0.44	0.34	0.55
26	0.36	1.14	1.18	1.43	1.30	1.24	1.13	0.96	0.98	1.20	1.20	1.18
27	-	-	-	-	-	-	-	0.42	0.53	0.66	-	-
28	0.98	1.08	1.22	1.14	1.04	0.90	0.86	0.73	0.77	0.56	0.66	0.90
29	1.27	0.86	0.88	1.22	0.94	0.90	0.77	0.81	-	-	-	-
30	-	-	-	-	-	-	-	0.38	0.34	0.36	0.33	0.42
31	0.36	0.38	0.30	0.36	0.45	0.46	0.48	0.44	0.62	0.73	0.58	0.64
Promedio	0.66	0.66	0.70	0.78	0.79	0.69	0.67	0.55	0.61	0.65	0.69	0.70

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
0.56	0.61	0.69	0.57	0.63	0.60	0.35	0.54	0.56	0.36	0.47	0.42	0.51
0.96	1.08	1.16	1.05	1.04	0.76	0.60	0.49	0.61	0.55	0.72	1.24	0.77
0.72	0.74	0.94	0.87	0.94	0.67	1.10	-	-	-	-	-	1.06
0.72	0.59	0.74	0.72	0.48	0.50	0.47	0.64	0.80	0.78	0.72	0.70	0.66
1.16	0.76	0.99	0.76	0.86	0.59	0.74	0.84	0.82	0.91	1.01	0.92	0.77
0.55	0.55	0.66	0.55	0.50	0.40	0.35	0.29	0.30	0.30	0.35	0.46	0.87
0.60	0.54	0.60	0.54	0.52	0.45	0.38	0.31	0.34	0.56	0.64	0.64	0.64
1.02	0.84	0.86	0.74	0.50	0.51	0.54	0.42	0.32	0.39	0.29	0.30	0.68
1.00	0.89	0.91	1.02	1.00	0.69	0.50	0.44	0.45	0.45	0.38	0.76	0.60
0.90	0.95	0.71	0.76	1.25	0.61	0.49	0.36	0.30	0.39	0.46	0.52	0.73
0.89	0.88	0.78	0.89	0.80	0.40	0.32	0.36	0.43	0.52	0.61	0.82	0.65
0.69	0.53	0.52	0.48	0.40	0.39	0.39	0.30	0.36	0.50	0.38	0.40	0.62
0.72	0.68	0.69	0.67	-	-	-		-	-	-	-	0.72
0.64	0.61	0.57	0.82	0.66	0.44	0.32	0.32	0.50	0.70	0.52	0.48	0.65
1.15	0.60	0.76	0.60	0.60	0.34	0.48	0.46	0.44	0.52	0.70	0.77	0.77
0.83	1.02	0.72	0.36	0.47	0.35	0.76	0.63	0.34	0.46	0.56	0.56	0.69
1.09	0.82	0.40	0.18	0.34	0.76	0.78	0.74	0.76	0.96	1.04	0.77	0.70
0.71	0.72	0.90	1.06	1.00	0.90	0.66	0.60	0.58	0.41	0.38	0.43	0.66
0.40	0.50	0.26	0.42	0.61	0.42	0.37	0.33	0.44	0.41	0.32	0.40	0.41
0.53	0.76	0.46	0.38	0.41	0.49	0.54	-	0.34	0.36	0.35	0.34	0.54
0.82	0.90	0.65	0.66	0.71	0.84	0.80	0.93	1.00	0.94	0.87	0.90	0.63
1.16	1.10	1.07	0.90	0.76	0.66	0.62	0.60	0.71	0.64	0.66	0.79	0.85
0.80	0.77	0.77	0.82	0.90	0.99	0.83	0.78	0.70	1.05	1.13	1.24	0.99
1.00	1.00	1.02	1.13	1.34	0.94	0.58	0.50	0.58	0.64	0.54	0.58	0.94
0.84	0.92	0.87	0.82	0.75	0.54	0.64	0.63	0.68	0.75	0.75	0.91	0.73
1.40	1.12	1.42	0.80	0.98	-	-	-	-	-	-	-	1.24
-	-	0.71	0.90	0.88	0.77	0.65	0.84	1.08	0.74	1.20	1.30	0.86
0.95	0.92	0.82	0.62	1.00	0.98	0.94	0.82	1.15	1.30	1.23	1.19	1.05
-	-	-	-	-	-	-	-	-	-	-	-	0.94
0.70	0.89	0.76	0.56	0.47	0.31	0.33	0.34	0.30	0.30	0.33	0.33	0.48
0.92	1.00	1.02	0.94	0.72	0.49	0.50	0.40	0.42	0.47	0.50	0.59	0.63
0.84	0.80	0.78	0.72	0.74	0.66	0.57	0.54	0.57	0.60	0.63	0.69	0.74

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
0.42	0.46	0.73	0.50	0.42	0.54	0.50	0.67	0.42	0.46	0.48	0.42	0.44
0.88	1.06	1.09	0.94	0.80	0.50	0.40	0.29	0.40	0.44	0.58	0.90	0.61
0.60	0.74	0.84	0.70	0.69	0.54	-	-	-	-	-	-	1.00
0.62	0.55	0.64	0.60	0.42	0.37	0.42	0.53	0.66	0.55	0.76	0.70	0.54
1.10	0.76	0.94	0.76	1.02	0.66	0.68	0.68	0.78	0.82	0.88	0.84	0.74
0.51	0.51	0.60	0.48	0.42	0.29	0.27	0.27	0.25	0.27	0.27	0.39	0.75
0.38	0.62	0.53	0.44	0.48	0.40	0.36	0.23	0.25	0.44	0.44	0.50	0.55
0.86	0.72	0.62	0.60	0.50	0.36	0.35	0.40	0.40	0.36	0.24	0.32	0.58
0.88	0.86	0.86	0.82	0.69	0.38	0.38	0.28	0.32	0.30	0.28	0.42	0.47
0.84	0.86	0.60	0.74	0.78	0.54	0.30	0.32	0.25	0.28	0.27	0.36	0.54
0.82	0.76	0.78	0.81	0.59	0.31	0.27	0.34	0.37	0.45	0.50	0.70	0.54
0.53	0.46	0.46	0.36	0.34	0.32	0.34	0.29	0.32	0.39	0.32	0.37	0.52
0.62	0.58	0.47	0.63	-	-	-	-	-	-	-	-	0.62
0.38	0.53	0.48	0.62	0.51	0.33	0.27	0.33	0.40	0.48	0.38	0.38	0.51
1.00	0.64	0.58	0.38	0.50	0.22	0.40	0.40	0.48	0.48	0.38	0.50	0.62
0.84	0.93	0.46	0.25	0.40	0.30	0.56	0.50	0.28	0.33	0.42	0.39	0.57
1.05	-	1.28	1.22	1.18	0.82	0.94	0.84	0.92	0.90	0.96	0.76	0.78
0.53	0.67	0.76	0.80	0.65	0.44	0.30	0.36	0.36	0.20	0.40	0.32	0.48
0.36	0.54	0.20	0.37	0.42	0.25	0.29	0.20	0.30	0.20	0.30	0.44	0.34
0.49	0.65	0.34	0.34	0.42	0.50	0.36	-	0.30	0.29	0.32	0.25	0.49
0.96	0.82	0.54	0.47	0.56	0.68	0.66	0.74	0.84	0.73	0.82	0.74	0.55
1.03	0.90	0.87	0.69	0.42	0.42	0.40	0.40	0.49	0.44	0.53	0.75	0.69
0.69	0.65	0.66	0.58	0.67	0.62	0.34	0.60	0.53	0.90	0.83	0.80	0.82
0.99	0.86	0.82	1.02	0.81	0.54	0.44	0.45	0.36	0.42	0.28	0.46	0.70
0.72	0.80	0.76	0.64	0.62	0.38	0.44	0.40	0.46	0.60	0.78	0.96	0.62
1.20	1.14	1.10	0.56	1.18	-	-	-	-	-	-	-	1.14
-	-	1.20	0.80	0.89	0.69	0.54	0.69	1.02	0.74	0.81	1.25	0.79
0.90	0.72	0.89	1.02	0.99	0.93	0.96	0.94	1.12	1.19	0.96	1.02	0.94
-	-	-	-	-	-	-	-	-	-	-	-	0.96
0.46	0.60	0.50	0.36	0.36	0.30	0.29	0.30	0.23	0.25	0.25	0.27	0.35
0.86	0.85	0.78	0.69	0.65	0.38	0.42	0.33	0.34	0.37	0.39	0.46	0.51
0.74	0.72	0.71	0.64	0.64	0.46	0.44	0.46	0.48	0.49	0.51	0.58	0.63

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	347	347	260	260	347	347	347	347	347	347	347	347
2	347	347	347	347	434	347	434	434	608	707	707	955
3	707	608	614	521	390	782	868	652	707	788	995	868
4	434	434	521	434	434	434	434	-	-	260	260	434
5	434	434	434	390	434	434	434	434	521	707	782	782
6	707	955	955	955	955	868	868	707	955	952	782	656
7	260	304	1155	952	909	868	570	434	831	1115	1115	1035
8	608	782	868	707	707	608	434	347	434	434	707	614
9	260	260	260	260	260	347	347	260	347	347	347	521
10	434	434	347	434	434	434	434	434	434	565	608	707
11	347	347	347	347	260	260	347	347	521	707	868	955
12	614	608	521	521	521	347	347	434	521	707	608	521
13	260	434	608	434	608	521	434	434	521	521	608	521
14	174	174	260	260	260	260	174	260	260	260	260	260
15	260	260	260	174	260	260	174	347	260	260	347	347
16	347	434	347	347	347	347	347	434	434	434	260	347
17	174	174	303	260	312	347	347	303	174	174	260	260
18	434	434	260	260	347	347	347	347	434	608	782	608
19	86	86	86	86	86	86	86	-	-	-	-	-
20	-	-	-	-	-	-	-	260	347	565	608	347
21	174	174	174	174	174	86	174	-	-	-	-	-
22	-	-	-	-	-	-	-	347	260	260	174	-
23	521	707	707	955	868	868	707	707	911	868	1115	1194
24	608	608	521	608	707	707	707	782	868	1115	1035	1035
25	434	347	347	347	260	260	347	347	347	434	434	521
26	608	521	608	782	868	831	868	868	868	955	1275	1194
27	571	707	521	608	608	521	434	521	707	707	782	707
28	955	1035	955	955	868	782	782	868	707	1035	707	868
29	782	707	782	782	868	868	651	782	1035	1115	1115	1275
30	521	434	434	347	186	260	347	260	260	260	347	434
31	260	260	260	260	260	347	347	347	608	782	868	868
Promedio	437	460	485	475	482	475	453	466	544	620	659	685

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	150	226	226	226	226	150	226	75	75	150	150
2	150	226	226	150	226	226	226	-	226	312	376	451
3	-	-	150	226	678	676	678	754	451	564	905	676
4	150	150	150	226	150	150	150	150	150	150	150	451
5	376	376	376	226	312	312	226	226	451	526	676	676
6	526	676	752	752	676	526	312	1052	-	-	-	-
7	-	1047	829	789	676	489	312	678	1188	1052	976	676
8	-	-	-	-	-	-	-	-	-	-	1188	976
9	312	312	226	312	226	226	312	312	-	-	376	526
10	150	150	150	226	226	226	231	1120	602	376	376	602
11	150	150	226	312	312	226	376	376	526	828	828	752
12	376	451	526	676	905	828	1115	-	-	451	676	451
13	-	-	-	-	-	-	-	-	-	-	-	676
14	526	526	526	602	526	451	451	376	376	451	312	451
15	376	376	676	526	526	451	489	376	376	451	676	828
16	526	602	526	526	526	489	526	376	526	602	752	602
17	226	226	451	526	602	602	526	526	602	526	338	376
18	526	451	226	226	312	312	226	226	226	676	828	828
19	150	150	150	150	150	226	226	226	226	312	150	150
20	226	226	226	226	150	75	75	-	-	-	-	-
21	-	-	-	-	-	-	-	226	150	-	-	226
22	150	150	150	150	226	376	226	312	312	451	526	526
23	344	526	602	751	828	676	376	312	532	526	976	1188
24	150	226	263	312	226	150	150	226	376	790	828	828
25	312	312	226	226	150	150	231	226	226	226	226	376
26	790	676	676	828	826	714	905	752	828	1052	1460	1250
27	312	312	312	312	312	226	312	226	150	376	526	526
28	752	676	752	602	602	676	602	312	754	376	526	752
29	752	676	752	828	676	676	564	602	905	1052	1052	1078
30	226	226	150	150	150	150	150	150	150	150	150	226
31	226	226	150	75	150	150	150	150	457	752	905	905
Promedio	343	380	380	398	412	381	367	404	434	524	626	627

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
434	434	434	347	303	347	347	608	434	347	434	347	367
1115	1115	1115	955	707	521	434	347	434	347	707	707	605
707	745	745	608	521	521	347	347	347	347	347	347	601
521	434	521	608	434	347	347	478	521	434	434	521	440
782	782	707	521	608	434	521	434	434	521	608	608	549
521	434	347	434	434	347	260	260	260	260	260	260	600
788	608	521	434	434	347	260	260	347	434	478	608	628
782	825	658	608	521	347	304	260	260	260	304	260	527
707	955	868	707	608	478	347	347	347	347	347	434	430
782	868	955	782	608	434	347	260	260	260	260	347	494
955	782	782	782	521	347	260	260	347	347	347	614	500
521	521	-	260	260	260	260	260	260	260	260	260	420
608	608	608	521	304	174	86	174	174	174	174	174	403
260	260	174	174	174	86	86	86	174	174	174	260	206
434	260	260	174	174	174	174	174	260	260	260	347	257
434	260	260	174	174	174	174	347	347	347	347	260	322
767	1755	868	707	955	434	347	347	347	434	434	347	451
521	434	434	347	347	260	260	260	174	174	86	86	358
-	-	-	-	174	260	347	260	260	260	-	-	166
521	434	-	-	-	-	-	260	260	260	174	174	351
-	-	-	-	-	-	-	-	-	-	-	-	161
-	-	347	260	174	174	260	347	347	347	434	434	298
1035	955	782	707	521	521	434	521	608	608	782	782	766
1115	1115	1035	1035	782	521	347	260	347	347	434	434	711
707	478	521	608	608	434	521	521	521	608	608	434	458
1115	955	1155	608	521	434	434	707	707	782	608	652	788
707	782	955	1035	782	707	707	707	868	955	1035	1035	736
782	707	608	707	782	868	955	868	955	955	955	782	852
868	782	707	868	707	608	434	347	434	707	608	434	761
521	608	521	347	260	260	174	174	174	174	174	260	322
868	955	1035	868	782	347	347	260	260	260	347	347	506
710	709	664	578	489	385	349	358	382	400	428	433	505

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
226	226	226	150	150	150	312	752	451	976	526	226	267
676	976	1052	976	752	451	-	-	-	-	-	-	427
602	602	526	451	312	312	226	226	150	150	150	150	437
376	312	376	376	226	150	150	231	312	376	376	376	242
676	676	526	312	312	150	150	75	75	226	312	312	357
-	-	-	312	226	226	226	150	150	150	150	150	412
451	376	344	226	312	376	-	-	-	-	-	-	600
976	1052	828	602	602	526	526	677	376	376	376	312	671
752	676	451	226	226	226	150	150	150	150	150	150	300
752	752	526	312	226	312	451	602	312	226	226	150	387
676	676	602	312	226	226	-	-	-	-	676	489	447
451	526	451	344	-	-	-	-	-	-	-	-	568
676	526	676	602	-	-	-	312	376	451	451	451	520
150	376	376	376	312	226	226	226	312	434	451	526	398
828	526	451	376	312	226	226	226	312	451	451	526	460
676	602	312	226	226	226	312	312	312	376	414	312	454
2000	-	-	-	1798	602	376	602	602	602	451	451	620
828	676	526	376	226	150	226	150	150	150	150	150	368
150	226	75	226	75	226	226	226	150	150	150	226	182
-	-	-	-	-	-	-	-	-	-	-	-	172
226	226	226	226	226	150	226	226	226	226	376	226	226
602	676	676	457	226	226	226	150	150	150	312	312	322
976	828	602	312	226	226	150	150	226	312	376	150	507
905	976	676	451	226	226	150	226	150	150	150	150	372
676	828	676	602	376	226	226	312	312	376	526	602	359
1188	905	861	226	376	312	312	451	526	451	376	376	713
602	752	1001	676	451	312	312	451	602	828	752	752	475
676	602	526	414	526	789	905	1460	1120	676	526	676	678
976	976	676	676	526	312	312	226	226	312	312	226	640
226	312	382	312	312	150	226	226	226	150	150	150	202
905	1052	1052	827	526	150	226	226	226	150	150	150	414
686	640	560	412	376	280	282	347	315	347	351	323	425

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	6295	7180	8060	13430	11690	11690	11690	9860	8950	11690	8950	8950
2	8060	4490	5380	4490	4490	6295	4490	5380	4490	3585	3585	3585
3	898	3585	1795	2690	2690	898	898	1795	1795	2690	3585	3585
4	8060	7180	7180	8060	8060	9860	9860	17050	20700	18870	13430	2690
5	2690	1795	3585	3585	3585	5380	6295	4490	3585	2690	2690	1795
6	898	898	898	898	898	898	1795	2690	2690	4490	6295	8060
7	12590	12590	3585	898	2690	2690	2690	7180	2690	2690	2690	2690
8	4490	2690	2690	2690	2690	4490	6295	6295	5380	3585	3585	5380
9	9860	14350	13430	8060	6295	6295	9860	8950	6295	5380	5380	3585
10	8060	6295	7180	7180	7180	8060	9860	8950	8950	6295	8950	5380
11	9860	8950	9860	7180	8060	7180	5380	9860	4490	3585	4490	2690
12	2690	1795	2690	2690	2690	5380	5380	8060	4490	2690	7180	5380
13	9860	6295	2690	3585	2690	2690	4490	5380	4490	5380	4490	8060
14	3585	3585	4490	2690	2690	4490	4490	5380	4490	4490	3585	4490
15	3585	1795	2690	2690	2690	3585	4490	5380	4490	3585	2690	2690
16	2690	1795	2690	2690	2690	2690	2690	3585	3585	4490	2690	2690
17	4490	6295	2690	1795	898	1795	1795	2690	1795	1795	2690	2690
18	2690	1795	3585	3585	2690	2690	3585	5380	4490	3585	4490	4490
19	12590	9860	10770	12590	10770	9860	12590	15250	10770	7180	5380	2690
20	8060	6295	6295	7180	6295	4490	1795	1795	2690	1795	1795	1795
21	6295	5380	3585	10770	11690	16130	12590	17050	8060	-	-	4490
22	4490	3585	4490	1795	2690	2690	2690	3585	4490	2690	1795	1795
23	2690	1795	898	898	1795	1795	2690	4490	3585	3585	5380	4490
24	4490	5380	4490	3585	3585	2690	5380	3585	4490	3585	4490	5380
25	4490	4490	6295	4490	8950	12590	8060	6295	7180	6295	6295	-
26	1795	898	898	898	1795	1795	1795	2690	3585	5380	1795	2690
27	4490	3585	4490	4490	4490	6295	6295	9860	6295	4490	2690	4490
28	898	898	898	898	898	898	898	1795	1795	898	2690	3585
29	898	1795	898	898	898	1795	1795	2690	-	-	-	-
30	-	-	-	-	-	-	-	8950	14350	-	8950	6295
31	17950	20350	10770	6295	4490	5380	4490	5380	4490	2690	3585	3585
Promedio	5683	5256	4665	4456	4457	5115	5237	6509	5654	4648	4700	4144

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	7180	8060	12590	15250	13430	11690	11690	13430	14350	9860	8950	8950
2	6295	6295	6295	5380	5380	5380	4490	6295	5380	4490	4490	4490
3	1795	3585	3585	3585	2690	1795	1795	1795	2690	3585	5380	5380
4	8060	8060	5380	9860	9860	10770	11690	16130	21520	15250	9860	4490
5	2690	2690	3585	6295	3585	4490	5380	6295	4490	2690	2690	2690
6	898	898	898	898	898	898	1795	3585	4490	6295	8060	9860
7	13430	8060	3585	2690	2690	2690	6295	4490	2690	2690	2690	4490
8	4490	4490	2690	3585	4490	4490	6295	7180	5380	4490	4490	5380
9	13430	14350	12590	7180	7180	7180	10770	8060	8950	6295	5380	3585
10	6295	7180	7180	6295	8060	9860	9860	10770	6295	5380	8060	7180
11	8060	8950	8060	8060	8060	7180	7180	8060	4490	4490	5380	2690
12	2690	2690	2690	2690	3585	6295	7180	7180	4490	3585	6295	6295
13	9860	5380	2690	4490	3585	3585	4490	6295	5380	5380	7180	8950
14	4490	4490	4490	3585	4490	4490	6295	5380	4490	4490	3585	4490
15	3585	5385	2690	4490	3585	4490	8060	6295	4490	4490	4490	4490
16	3585	2690	2690	3585	2690	3585	4490	4490	4490	4490	3585	2690
17	5380	6295	1795	2690	2690	2690	3585	3585	3585	2690	2690	3585
18	2690	2690	4490	4490	3585	4490	4490	5380	4490	3585	4490	6295
19	10770	9860	14350	10770	9860	11690	15250	15250	9860	7180	4490	4490
20	8060	8060	5380	10770	2690	4490	2690	1795	2690	2690	3585	3585
21	8950	4490	7180	18870	15250	18870	11690	17050	6295	-	-	4490
22	3585	3585	4490	3585	2690	4490	3585	3585	4490	2690	2690	2690
23	4490	1795	2690	1795	2690	2690	4490	4490	3585	4490	4490	6295
24	4490	4490	4490	4490	4490	3585	3585	4490	4490	4490	5380	5380
25	5380	5380	8060	7180	8950	9860	8060	10770	8060	8060	9860	4490
26	1795	2690	2690	1795	1795	1795	1795	2690	2690	2690	2690	2690
27	5380	4490	5380	3585	4490	7180	8060	9860	5380	4490	7180	4490
28	1795	1795	1795	1795	1795	1795	1795	1795	3585	5380	2690	3585
29	1795	2690	1795	1795	898	1795	3585	2690	-	-	-	-
30	-	-	-	-	-	-	-	10770	9860	9860	8060	6295
31	18870	20700	9860	4490	6295	4490	4490	6295	3585	3585	3585	3585
Promedio	6009	5682	5204	5534	5081	5626	6164	6975	5890	5166	5257	4935

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
8060	8060	5380	5380	8950	6295	8950	7180	10770	9860	11690	8950	9082
3585	4490	1795	2690	3585	5380	8060	8060	6295	6295	1795	1795	4673
5380	5380	5380	3585	6295	3585	7180	7180	8060	9860	8060	8060	4371
3585	3585	2690	2690	5380	7180	9860	5380	4490	3585	2690	2690	7700
2690	1795	2690	3585	6295	3585	3585	4490	4490	3585	3585	2690	3150
9860	11690	12590	11690	12590	11690	17050	18870	18870	17050	13430	12590	8307
3585	6295	8950	8950	8950	10770	13430	12590	9860	8060	8060	4490	6653
3585	6295	6295	6295	6295	8950	14350	22400	17950	20350	15250	15250	8064
2690	6295	4490	4490	5380	6295	7180	11690	11690	11690	11690	8060	7891
5380	5380	3585	3585	4490	6295	8060	18870	20700	13430	11690	13430	8635
2690	5380	5380	3585	7180	14350	20700	10770	8950	8950	7180	4490	7550
6295	8950	10770	8060	17050	20700	20350	14350	12590	11690	14350	13430	8737
6295	6295	6295	7180	11690	17050	17950	11690	8060	4490	5380	4490	6957
11690	8950	6295	7180	7180	14350	24200	10770	6295	3585	3585	2690	6468
2690	7180	8060	5380	7180	11690	14350	15250	6295	3585	3585	2690	5346
1795	1795	3585	5380	6295	13430	4490	3585	2690	1795	1795	3585	3550
10770	9860	2690	898	898	2690	1795	898	1795	898	1795	3585	2916
5380	5380	8950	3585	3585	3585	7180	7180	8950	9860	14350	14350	5641
3585	-	-	-	1795	8060	13430	12590	13430	9860	898	8060	8728
2690	2690	-	-	-	-	10770	-	12590	9860	10770	8060	5669
3585	2690	7180	8060	5380	4490	5380	6295	3585	3585	2690	2690	6893
1795	898	2690	3585	7180	11690	9860	8060	8060	8060	9860	5380	4746
6295	6295	7180	6295	6295	6295	8060	8060	5380	4490	3585	3585	4413
3585	2690	4490	2690	2690	3585	9860	14350	16130	8950	8060	6295	5604
4490	2690	3585	2690	4490	6295	7180	6295	6295	3585	3585	2690	5622
1795	1795	2690	9860	8060	8950	8060	8950	5380	3585	3585	3585	3846
1795	-	10770	1795	1795	3585	4490	2690	1795	1795	898	898	4098
1795	898	898	898	1795	898	898	898	898	5380	898	898	1421
-	-	-	-	-	-	-	-	-	-	-	-	1458
3585	3585	3585	8060	17950	15250	34080	27800	22400	22400	17050	20700	14687
-	2690	2690	2690	3585	8060	10770	17050	13430	15250	8060	6295	7827
4517	4999	5415	5029	6561	8449	11052	10491	9272	8181	6997	6548	6179

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	8950	5380	6295	8950	8060	11690	11690	12590	12590	11690	11690	10581
4490	3585	2690	3585	4490	6295	8950	9860	6295	6295	2690	2690	5274
6295	6295	3585	6295	7180	4490	8950	7180	10770	8060	8060	8950	5157
3585	3585	2690	4490	7180	9860	8060	4490	4490	2690	3585	3585	7884
2690	2690	3585	6295	4490	4490	4490	4490	4490	3585	2690	2690	3927
10770	12590	12590	13430	11690	15250	17950	18870	20700	17050	13430	12590	9017
4490	4490	8950	8950	10770	12590	13430	13430	7180	6295	6295	6295	6652
5380	7180	6295	6295	9860	9860	17050	25150	21520	17050	17050	17050	9050
3585	6295	5380	5380	5380	6295	11690	14350	11690	14350	10770	8060	8674
8060	5380	4490	4490	4490	8060	17050	20700	17950	9860	12590	12590	9088
4490	5380	6295	6295	9860	17050	20700	9860	8950	8060	6295	3585	7812
8060	10770	8060	14350	18870	20700	17950	13430	13430	12590	13430	12590	9162
7180	8060	6295	8060	14350	24200	14350	10770	7180	5380	4490	5380	7623
9860	8060	8060	8060	10770	20700	20700	8950	6295	4490	3585	3585	6995
3585	8060	6295	7180	8950	14350	15250	11690	5380	4490	4490	2690	6131
2690	2690	8060	6295	12590	8060	4490	6295	3585	2690	2690	4490	4487
9860	8060	3585	1795	3585	3585	1795	898	2690	2690	2690	3585	3586
7180	7180	4490	3585	3585	4490	5380	9860	10770	8950	14350	14350	6056
4490	-	-	-	6295	10770	16130	15250	11690	8950	1795	9860	9955
3585	3585	-	-	-	-	2690	-	11690	11690	10770	5380	5572
4490	5380	7180	8060	4490	6295	6295	4490	4490	4490	3585	4490	8040
2690	2690	2690	4490	8950	11690	8950	9860	8060	8950	6295	4490	5082
6295	6295	6295	6295	7180	6295	8060	6295	4490	5380	3585	4490	4789
3585	3585	3585	2690	2690	6295	17050	17950	12590	8950	8060	7180	6169
3585	3585	4490	4490	6295	8060	6295	6295	5380	4490	4490	2690	6427
9860	1795	2690	5380	8060	9860	11690	5380	4490	3585	3585	4490	4111
4490	-	2690	2690	3585	3585	4490	2690	2690	1795	1795	1795	4446
2690	1795	2690	2690	2690	2690	2690	1795	1795	1795	1795	1795	2354
-	-	-	-	-	-	-	-	-	-	-	-	2130
4490	3585	7180	10770	17050	17050	22400	26000	25150	20350	20700	22400	14234
2690	2690	2690	3585	5380	13430	9860	17050	17050	12590	8060	7180	8004
5471	5510	5320	6152	7921	10152	11218	10863	9517	8006	7180	7090	6748

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	13.6	12.1	13.6	10.6	9.1	6.0	4.5	7.6	12.1	10.6	7.6	7.6
2	18.1	19.7	16.6	16.6	16.6	9.1	9.1	6.0	4.5	9.1	7.6	12.1	12.1
3	12.1	13.6	12.1	12.1	10.6	9.1	6.0	4.5	7.6	9.1	13.6	12.1	9.1
4	9.1	12.1	12.1	12.1	13.6	9.1	7.6	3.0	6.0	9.1	6.0	10.6	9.1
5	10.6	10.6	12.1	9.1	15.1	7.6	4.5	4.5	6.0	7.6	7.6	9.1	13.6
6	12.1	15.1	15.1	18.1	16.6	6.0	1.5	15.1	9.1	10.6	15.1	16.6	9.1
7	10.6	15.1	15.1	12.1	10.6	6.0	9.1	-	10.6	13.6	10.6	9.1	10.6
8	12.1	12.1	13.6	12.1	10.6	6.0	6.0	6.0	10.6	10.6	3.0	6.0	6.0
9	6.0	15.1	13.6	12.1	9.1	9.1	6.0	9.1	10.6	13.6	13.6	9.1	9.1
10	13.6	13.6	12.1	12.1	9.1	9.1	9.1	9.1	9.1	6.0	7.6	12.1	10.6
11	10.6	10.6	13.6	13.6	12.1	10.6	6.0	3.0	4.5	7.6	6.0	10.6	10.6
12	6.0	12.1	10.6	12.1	12.1	7.6	6.0	6.0	6.0	7.6	4.5	7.6	10.6
13	9.1	12.1	10.6	12.1	12.1	7.6	10.6	7.6	9.1	10.6	9.1	12.1	10.6
14	9.1	10.6	10.6	10.6	9.1	9.1	9.1	4.5	4.5	7.6	9.1	12.1	15.1
15	12.1	13.6	9.1	13.6	10.6	10.6	-	9.1	7.6	9.1	9.1	6.0	7.6
16	10.6	18.1	15.1	12.1	15.1	15.1	12.1	12.1	10.6	6.0	9.1	6.0	10.6
17	24.2	24.2	16.6	13.6	13.6	12.1	18.1	18.1	15.1	16.6	16.6	13.6	18.1
18	4.5	10.6	1.5	4.5	4.5	9.1	1.5	- 1.6	1.5	3.0	- 3.2	1.5	1.5
19	9.1	4.5	7.6	7.6	9.1	9.1	4.5	1.5	1.5	1.5	- 1.6	1.5	- 1.6
20	- 1.6	1.5	3.0	4.5	7.6	1.5	1.5	3.0	4.5	4.5	- 3.2	- 1.6	- 6.4
21	- 3.2	- 1.6	- 3.2	1.5	- 1.6	- 4.7	- 4.7	- 1.6	3.0	-	-	4.5	1.5
22	- 8.0	- 1.6	- 4.7	- 3.2	1.5	- 1.6	- 3.2	- 4.7	- 6.4	- 6.4	- 6.4	- 4.7	- 9.5
23	- 4.7	- 3.2	- 3.2	- 3.2	- 4.7	- 9.5	- 9.5	- 9.5	-11.1	-11.1	-11.1	- 9.5	- 9.5
24	- 4.7	- 3.2	- 3.2	- 3.2	- 4.7	- 8.0	- 6.4	- 4.7	- 6.4	- 8.0	- 9.5	- 6.4	- 6.4
25	-	-	-	-	-	-	-	-11.1	- 9.5	- 8.0	- 8.0	- 6.4	- 6.4
26	- 3.2	1.5	- 1.6	- 3.2	- 4.7	- 9.5	-11.1	- 9.5	- 9.5	-15.9	-12.7	- 8.0	- 9.5
27	- 8.0	- 6.4	- 6.4	3.0	1.5	- 4.8	- 3.2	- 4.8	- 6.4	- 4.8	- 8.0	- 9.5	- 6.4
28	- 3.2	1.5	- 1.6	1.5	3.0	- 1.6	- 3.2	- 6.4	- 6.4	- 3.2	- 9.5	- 8.0	- 6.4
29	3.0	4.5	1.5	1.5	4.5	- 3.2	-12.7	- 3.2	- 4.8	- 1.6	- 8.0	- 4.8	- 3.2
30	1.5	3.0	1.5	3.0	3.0	- 1.6	3.0	4.5	6.0	6.0	3.0	1.5	- 1.6
31	3.0	4.5	6.0	4.5	- 3.2	1.5	3.0	-	-	-	-	-	-
Prom	6.1	8.6	7.3	7.9	7.4	4.3	3.0	2.6	3.2	4.2	2.8	4.1	3.9
Var.	2.0	4.5	3.2	3.8	3.3	0.2	- 1.1	- 1.5	- 0.9	0.1	- 1.3	0.0	- 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	-17.0	-17.0	-12.8	-18.5	-18.5	-18.5	-17.0	-17.0	-19.9	-21.3	-22.7	-19.9	-19.9
2	-14.2	-15.6	-14.2	-25.6	-21.3	-21.3	-18.5	-18.5	-19.9	-21.3	-24.1	-25.6	-29.8
3	-19.9	-31.2	-19.9	-24.1	-15.6	-21.3	-24.1	-24.1	-22.7	-24.1	-24.1	-28.4	-24.1
4	-21.3	-22.7	-19.9	-28.4	-24.1	-24.1	-21.3	-19.9	-21.3	-22.7	-19.9	-21.3	-22.7
5	-19.9	-19.9	-18.5	-22.7	-19.9	-21.3	-24.1	-22.4	-19.9	-21.3	-24.1	-21.3	-21.3
6	-15.6	-19.9	-17.0	-27.0	-21.3	-19.9	-21.3	-22.7	-19.9	-19.9	-19.9	-22.7	-21.3
7	-18.5	-18.5	-15.6	-22.7	-21.3	-24.1	-21.3	-19.9	-22.7	-18.5	-19.9	-21.3	-19.9
8	-17.0	-24.1	-19.9	-24.1	-24.1	-24.1	-19.9	-18.5	-17.0	-18.5	-18.5	-18.5	-22.7
9	-17.0	-15.6	-15.6	-25.6	-19.9	-17.0	-15.6	-17.0	-14.2	-14.2	-17.0	-17.0	-27.0
10	-19.9	-18.5	-19.9	-22.7	-18.5	-17.0	-18.5	-18.5	-21.3	-18.5	-21.3	-19.9	-19.9
11	-21.3	-18.5	-17.0	-22.7	-22.7	-19.9	-19.9	-18.5	-14.2	-17.0	-17.0	-18.5	-18.5
12	-17.0	-19.9	-17.0	-19.9	-18.5	-15.6	-17.0	-17.0	-17.0	-18.5	-19.9	-19.9	-15.6
13	-12.8	-11.4	-14.2	-21.3	-19.9	-17.0	-18.5	-18.5	-17.0	-17.0	-18.5	-18.5	-19.9
14	-15.6	-21.3	-15.6	-21.3	-18.5	-18.5	-17.0	-15.6	-17.0	-17.0	-19.9	- 9.9	-12.8
15	-14.2	-17.0	-17.0	-24.1	-21.3	-22.7	-	-19.9	-18.5	-17.0	-19.9	-17.0	-17.0
16	-14.2	-18.5	-15.6	-24.1	-24.1	-19.9	-19.9	-17.0	-19.9	-15.6	-21.3	-18.5	-18.5
17	-15.6	-18.5	-17.0	-18.5	-17.0	-19.9	-15.6	-18.5	-18.5	-15.6	-17.0	-15.6	-14.2
18	-15.6	-17.0	-15.6	-21.3	-21.3	-22.7	-19.9	-17.0	-15.6	-15.6	-17.0	-17.0	-18.5
19	-14.2	-21.3	-15.6	-27.0	-24.1	-24.1	-17.0	-18.5	-17.0	-17.0	-17.0	-21.3	-18.5
20	-17.0	-21.3	-21.3	-21.3	-24.1	-17.0	-18.5	-15.6	-12.8	-12.8	-18.5	-19.9	-19.9
21	-18.5	-21.3	-12.8	-21.3	-21.3	-21.3	-21.3	-17.0	-15.6	-	-	-19.9	-21.3
22	-15.6	-19.9	-15.6	-24.1	-21.3	-21.3	-21.3	-18.5	-18.5	-17.0	-18.5	-18.5	-19.9
23	-15.6	-21.3	-15.6	-22.7	-22.7	-21.3	-19.9	-18.5	-17.0	-19.9	-18.5	-21.3	-21.3
24	-17.0	-19.9	-18.5	-18.5	-19.9	-22.7	-22.7	-18.5	-18.5	-19.9	-21.3	-19.9	-18.5
25	-	-	-	-	-	-	-	-17.0	-22.7	-18.5	-19.9	-18.5	-21.3
26	-15.6	-25.6	-12.8	-22.7	-22.7	-21.3	-18.5	-15.6	-15.6	-15.6	-15.6	-15.6	-17.0
27	- 8.5	-14.2	- 9.9	-18.5	-14.2	-12.8	-17.0	- 7.1	-14.2	-12.8	-11.4	-17.0	-15.6
28	-17.0	-19.9	-17.0	-27.0	-25.6	-21.3	-19.9	-19.9	-18.5	-12.8	-14.2	-14.2	-17.0
29	-15.6	-21.3	-15.6	-24.1	-22.7	-2?.6	-39.8	-19.9	-21.3	-19.9	-21.3	-19.9	-25.6
30	-17.0	-19.9	-17.0	-22.7	-19.9	-21.3	-19.9	-15.6	-17.0	-17.0	-17.0	-17.0	-18.5
31	-17.0	-17.0	-17.0	-19.9	-19.9	-18.5	-18.5	-	-	-	-	-	-
Prom	-16.5	-19.6	-16.4	-22.8	-20.9	-20.4	-20.1	-18.1	-18.2	-17.8	-19.1	-19.1	-19.9
Var.	3.1	0.0	3.2	- 3.2	- 1.3	- 0.8	- 0.5	1.5	1.4	1.8	0.5	0.5	- 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	9.1	10.6	12.1	7.6	6.0	12.1	10.6	12.1	16.6	18.1	10.5	1
4.5	6.0	4.5	4.5	6.1	4.5	9.1	9.1	13.6	12.1	9.1	10.0	0
7.6	6.0	4.5	6.0	7.6	7.6	3.0	6.0	6.0	9.1	10.6	8.6	0
12.1	12.1	10.6	7.6	9.1	7.6	6.0	7.6	12.1	9.1	7.6	9.2	0
9.1	6.0	4.5	3.0	4.5	4.5	- 1.6	- 1.6	3.0	19.7	16.6	7.7	1
15.1	10.6	12.1	10.6	4.5	15.1	16.6	7.6	9.1	13.6	10.6	11.9	2
12.1	10.6	12.1	7.6	9.1	7.6	9.1	7.6	12.1	10.6	9.1	10.5	1
10.6	7.6	12.1	6.0	9.1	7.6	4.5	7.6	12.1	9.1	9.1	8.8	1
10.6	9.1	7.6	6.0	4.5	6.0	4.5	7.6	9.1	12.1	10.6	9.3	1
7.6	9.1	7.6	6.0	7.6	6.0	1.5	4.5	6.0	6.0	7.6	8.4	0
10.6	9.1	7.6	7.6	7.6	6.0	6.0	6.0	7.6	9.1	6.0	8.4	0
10.6	12.1	9.1	4.5	4.5	10.6	7.6	6.0	7.6	6.0	10.6	8.2	0
9.1	7.6	10.6	9.1	7.6	7.6	9.1	6.0	10.6	9.1	9.1	9.5	1
15.1	10.6	10.6	6.0	7.6	9.1	10.6	9.1	12.1	9.1	9.1	9.6	0
6.0	1.5	1.5	1.5	12.1	4.5	15.1	13.6	12.1	13.6	6.0	8.9	2
10.6	9.1	15.1	7.6	- 3.2	- 3.2	- 1.6	6.0	15.1	19.7	31.8	10.8	2
15.1	- 3.2	3.0	- 1.6	1.5	- 1.6	- 1.6	3.0	3.0	4.5	9.1	10.5	2
1.5	- 1.6	1.5	- 6.4	- 4.7	7.6	7.6	6.0	7.6	4.5	13.6	3.2	1
1.5	1.5	- 3.2	- 9.5	- 3.2	- 1.6	- 6.4	- 6.4	- 9.5	- 3.2	1.5	0.6	1
- 1.6	- 6.4	- 6.4	- 9.5	- 6.4	- 4.7	-	- 6.4	- 3.2	- 1.6	- 1.6	- 1.3	0
1.5	- 3.2	- 8.0	-12.7	- 4.7	- 9.5	- 9.5	- 8.5	- 4.7	- 1.6	1.5	- 3.2	1
- 4.7	-11.1	-17.5	-14.3	-11.1	- 6.4	- 3.2	- 6.4	1.5	- 4.7	- 4.7	- 5.9	1
- 8.0	-11.1	- 6.4	- 9.5	- 9.5	-11.1	- 9.5	-11.1	- 8.0	- 6.4	- 4.7	- 8.1	1
- 8.0	- 6.4	- 8.0	- 9.5	- 6.5	- 9.5	-11.1	-11.1	- 8.0	-	-	- 7.0	1
- 8.0	- 6.4	- 8.0	-11.1	- 9.5	-11.1	-11.1	- 8.0	- 3.2	- 4.7	- 1.6	- 7.8	0
- 8.0	- 8.0	- 8.0	- 9.5	- 9.5	- 8.0	- 6.4	- 8.0	1.5	- 8.0	- 4.8	- 7.2	1
1.5	3.0	6.0	3.0	1.5	- 1.6	1.5	- 1.6	- 1.6	1.5	1.5	- 2.1	1
- 6.4	- 1.6	- 3.2	3.0	4.5	7.6	6.0	3.0	6.0	1.5	1.5	- 0.9	1
1.5	3.0	1.5	- 4.8	- 3.2	- 3.2	- 4.8	- 8.0	1.5	1.5	- 1.6	- 1.8	2
1.5	- 3.2	- 3.2	- 3.2	- 3.2	- 3.2	- 3.2	- 4.8	1.5	3.0	1.5	0.7	0
- 3.2	- 4.8	- 6.4	- 8.0	1.5	- 1.6	- 3.2	- 4.8	- 4.8	- 6.4	1.5	- 1.2	1
4.4	2.5	2.4	0.1	1.4	1.6	1.8	1.3	4.5	5.5	6.5	4.1	
0.3	- 1.6	- 1.7	- 4.0	- 2.7	- 2.5	- 2.3	- 2.8	0.4	1.4	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
-21.3	-22.7	-19.9	-21.3	-25.6	-25.6	-19.9	-19.9	-17.0	-14.2	-12.8	-19.2	0
-28.4	-21.6	-25.6	-24.1	-24.1	-27.0	-25.6	-19.9	-21.3	-19.9	-18.5	-21.9	0
-24.1	-29.8	-29.8	-31.2	-32.7	-34.1	-34.1	-28.4	-28.4	-29.8	-21.3	-26.1	2
-25.6	-19.9	-19.9	-24.1	-24.1	-22.7	-17.0	-21.3	-18.5	-21.3	-19.9	-21.8	1
-18.5	-22.8	-19.9	-21.3	-24.1	-21.3	-24.1	-19.9	-19.9	-21.3	-18.5	-21.2	0
-21.3	-22.7	-19.9	-18.5	-19.9	-24.1	-21.3	-21.3	-18.5	-18.5	-17.0	-20.5	1
-21.3	-22.7	-21.3	-24.1	-22.7	-22.7	-27.0	-24.1	-22.7	-19.9	-18.5	-21.3	1
-21.3	-22.7	-24.1	-21.3	-24.1	-24.1	-21.3	-19.9	-17.0	-17.0	-17.0	-20.7	1
-27.0	-18.5	-21.3	-19.9	-22.7	-25.6	-22.7	-21.3	-21.3	-19.9	-18.5	-19.6	2
-24.1	-24.1	-25.6	-28.4	-24.1	-28.4	-31.2	-31.2	-28.4	-28.4	-24.1	-23.0	2
-17.0	-18.5	-17.0	-19.9	-18.5	-18.5	-18.5	-15.6	-17.0	-18.5	-18.5	-18.5	1
-18.5	-17.0	-18.5	-18.5	-19.9	-18.5	-18.5	-17.0	-18.5	-17.0	-14.2	-17.9	1
-18.5	-17.0	-18.5	-18.5	-21.3	-19.9	-21.3	-19.9	-17.0	-15.6	-17.0	-17.9	1
-12.8	-21.3	-18.5	-19.9	-18.5	-18.5	-19.9	-17.0	-17.0	-17.0	-12.8	-17.2	2
-17.0	-18.5	-17.0	-17.0	-19.9	-19.9	-24.1	-22.7	-19.9	-19.9	-12.8	-18.9	1
-19.9	-17.0	-18.5	-14.2	-15.6	-17.0	-17.0	-18.5	-18.5	-18.5	-17.0	-18.3	1
- 8.5	- 7.1	- 8.5	- 7.1	-11.4	-17.0	-17.0	-15.6	-14.2	-15.6	-14.2	-14.9	1
-17.0	-17.0	-17.0	-15.6	-15.6	-21.3	-22.7	-19.9	-14.2	-17.0	-14.2	-17.7	1
-19.9	-14.2	-18.5	-21.3	-21.3	-25.6	-28.4	-19.9	-19.9	-19.9	-17.0	-19.9	1
-22.7	-21.3	-18.5	-19.9	-21.3	-22.7	-	-21.3	-19.9	-18.5	-15.6	-19.2	0
-18.5	-18.5	-17.0	-21.3	-19.9	-21.3	-21.3	-21.3	-18.5	-18.5	-15.6	-19.2	2
-19.9	-18.5	-15.6	-21.3	-21.3	-21.3	-19.9	-19.9	-18.5	-19.9	-18.5	-19.4	0
-25.6	-25.6	-19.9	-24.1	-22.7	-18.5	-19.9	-21.3	-17.0	-21.3	-18.5	-20.4	2
-19.9	-19.9	-18.5	-28.4	-21.3	-27.0	-25.6	-28.4	-25.6	-	-	-21.3	2
-17.0	-15.6	-17.0	-19.9	-21.3	-21.3	-22.7	-21.3	-18.5	-19.9	-18.5	-19.5	1
-17.0	-17.0	-17.0	-18.5	-18.5	-21.3	-17.0	-17.0	-12.8	-11.4	- 8.5	-17.1	2
-12.8	- 9.9	-14.2	-15.6	-17.0	-14.2	-18.5	-17.0	-14.2	-15.6	-17.0	-14.1	1
-19.9	-15.6	-18.5	-17.0	-15.6	-17.0	-21.3	-15.6	-17.0	-15.6	-14.2	-18.0	1
-22.7	-21.3	-17.0	-18.5	-22.7	-19.9	-21.3	-24.1	-21.3	-21.3	-22.7	-21.9	2
-19.9	-18.5	-19.9	-18.5	-21.3	-21.3	-19.9	-18.5	-17.0	-17.0	-18.5	-18.8	1
-19.9	-22.7	-28.4	-27.0	-29.8	-29.8	-31.2	-29.8	-29.8	-31.2	-22.7	-23.9	2
-19.9	-19.3	-19.4	-20.5	-21.2	-22.2	-22.3	-20.9	-19.3	-19.3	-17.1	-19.6	
- 0.3	0.3	0.2	- 0.9	- 1.6	- 2.6	- 2.7	- 1.3	0.3	0.3	2.5		

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	60.3	60.2	60.0	59.9	59.8	59.6	59.9	60.1	60.4	60.4	60.2	59.7	58.9	59.2	58.8
2	57.9	57.1	57.5	57.6	57.8	58.3	58.5	58.8	58.4	58.8	58.8	58.3	58.2	58.2	58.4
3	62.5	62.5	62.3	62.4	63.0	63.3	63.7	64.2	64.6	64.9	64.7	64.2	63.9	63.7	63.6
4	63.8	63.8	63.7	63.7	63.8	63.8	63.9	64.4	64.4	64.4	64.1	63.5	63.0	62.1	61.6
5	59.8	59.8	59.6	59.4	59.7	59.9	60.0	60.4	60.5	60.3	60.2	59.9	59.6	59.1	59.1
6	63.1	63.5	63.8	63.9	64.2	64.9	65.6	66.6	66.8	66.8	66.8	66.5	65.7	65.4	65.3
7	65.6	65.4	65.3	64.8	65.1	65.1	65.1	65.2	65.2	65.0	64.6	64.2	63.6	63.0	62.6
8	61.2	61.0	60.4	60.0	59.8	59.9	59.9	59.9	59.8	59.8	59.7	59.1	58.6	57.8	57.7
9	59.7	59.6	59.6	59.5	59.4	59.8	60.3	60.6	60.7	61.0	61.1	60.8	60.4	60.0	59.9
10	61.6	61.6	61.3	61.4	61.5	62.1	62.4	62.8	63.0	63.1	62.9	62.4	62.0	61.6	61.6
11	63.4	63.3	63.2	63.3	63.7	64.1	64.3	64.7	65.1	65.2	65.0	64.5	64.0	63.6	63.5
12	64.3	64.5	64.4	64.4	64.3	64.4	64.4	64.5	64.6	64.6	64.2	63.8	63.3	62.6	62.6
13	62.5	62.4	62.3	62.4	62.6	62.7	62.8	62.9	63.0	62.9	62.8	62.3	61.7	61.3	61.0
14	61.8	61.6	61.4	61.3	61.5	61.7	61.9	62.2	62.4	62.5	62.4	61.8	61.4	61.0	61.0
15	61.2	61.0	60.8	60.8	60.6	60.8	60.8	61.0	61.0	61.1	60.8	60.1	59.3	58.9	58.9
16	59.7	59.5	59.4	59.5	59.4	59.5	59.5	59.9	59.8	59.7	59.1	58.3	57.6	56.8	56.1
17	55.2	55.0	54.6	54.4	54.3	54.7	55.2	55.0	55.0	55.3	53.5	52.8	53.4	54.3	55.9
18	61.9	62.4	62.7	63.1	63.7	64.2	65.0	65.4	65.6	65.7	65.7	65.8	65.6	65.3	65.0
19	63.4	63.0	62.9	62.8	62.5	62.5	62.4	62.5	62.0	62.0	61.6	60.9	60.2	59.8	59.8
20	59.7	59.6	59.4	59.2	59.5	60.0	60.3	60.4	60.5	60.6	60.5	60.4	60.0	59.6	59.5
21	60.3	60.3	60.3	60.1	59.9	60.3	60.4	60.5	60.2	60.1	59.9	59.1	58.6	57.9	57.7
22	56.6	56.3	55.9	55.3	55.1	55.2	55.3	55.4	55.6	55.6	54.7	53.7	53.1	52.6	52.6
23	56.3	56.5	56.9	57.9	58.4	59.2	59.8	60.2	60.7	60.7	60.5	59.9	59.4	59.0	58.9
24	60.0	59.9	59.5	59.4	59.5	59.6	59.7	59.9	59.9	60.0	59.3	58.7	58.0	57.2	56.9
25	55.4	55.0	54.4	54.2	54.0	54.3	54.6	54.5	54.4	54.1	53.5	52.9	52.0	51.0	50.9
26	49.5	49.5	49.8	49.5	49.8	49.6	50.0	50.1	50.5	50.6	50.6	50.4	50.0	49.6	49.3
27	49.0	48.7	48.1	47.7	47.4	47.6	47.8	48.0	48.3	48.3	48.3	47.8	47.6	47.6	47.8
28	53.1	52.8	53.0	52.9	53.3	53.7	54.1	54.4	55.4	55.7	55.9	55.6	55.2	54.9	54.2
29	56.9	57.3	57.7	57.4	57.4	58.4	59.4	59.8	60.3	61.4	61.4	60.8	60.8	61.0	61.4
30	65.2	65.3	65.4	65.6	65.7	65.9	66.4	67.0	66.9	67.2	67.1	66.6	66.2	65.6	65.2
31	66.3	65.9	65.7	65.7	65.8	66.2	66.3	66.6	66.6	66.6	66.4	65.9	65.6	65.0	64.7
Prom	59.9	59.8	59.7	59.7	59.8	60.0	60.3	60.6	60.7	60.8	60.5	60.0	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	8.5	7.9	6.9	6.7	6.7	6.1	6.3	9.0	11.9	14.3	17.2	18.4	18.8	17.9	16.8
2	12.6	12.6	12.1	11.1	10.9	10.3	9.8	10.1	12.2	14.0	15.2	16.7	17.1	17.9	18.1
3	7.8	7.0	6.8	6.8	7.3	7.9	8.2	8.3	9.4	10.5	12.2	12.3	13.2	13.4	13.7
4	3.2	3.1	3.2	3.6	4.5	4.8	5.7	6.8	9.3	11.0	12.5	13.1	13.3	14.4	14.6
5	11.0	11.2	11.3	11.3	11.3	10.7	10.3	11.1	12.3	14.3	15.3	16.2	17.2	17.5	17.4
6	10.7	9.2	8.2	7.3	6.8	6.1	5.6	7.1	9.0	10.4	11.2	12.3	12.9	13.4	13.2
7	7.3	8.3	9.1	9.2	9.2	9.2	9.1	9.9	11.2	13.3	15.0	15.7	16.4	17.2	16.1
8	8.8	10.5	10.8	10.8	10.8	10.9	10.6	11.4	14.3	14.2	15.9	17.9	19.9	21.0	21.3
9	8.2	8.3	8.1	8.4	8.5	8.4	8.4	8.5	9.7	10.5	11.0	15.4	17.0	18.6	18.6
10	5.6	5.1	4.7	4.5	4.4	4.2	5.0	6.9	11.7	16.9	18.6	19.8	21.1	21.1	21.1
11	6.8	5.9	6.4	6.1	7.2	7.2	7.3	10.6	13.0	16.3	19.0	20.0	20.2	20.5	19.4
12	12.3	11.6	11.7	11.8	11.8	11.6	11.5	13.5	15.1	16.2	17.1	18.4	18.6	18.4	18.5
13	14.6	15.0	15.5	15.5	15.8	15.8	15.9	16.8	17.8	19.7	20.0	20.8	21.3	21.8	21.8
14	16.7	16.4	16.4	17.0	16.4	16.3	16.5	17.4	18.6	20.0	18.0	19.1	18.9	21.1	21.8
15	16.7	16.7	16.8	16.5	15.9	15.8	15.6	16.3	17.6	19.7	21.8	23.8	24.4	24.0	23.8
16	18.4	18.5	18.2	17.6	17.0	16.8	16.5	17.5	19.7	21.8	23.7	24.8	25.1	25.4	25.4
17	19.7	19.7	19.7	19.4	19.1	18.4	18.2	18.8	20.0	21.1	21.9	21.5	18.9	16.4	16.1
18	12.5	12.0	11.4	11.1	10.9	10.9	10.3	9.8	12.2	13.4	15.2	15.9	16.7	17.5	18.0
19	4.4	4.1	4.2	4.0	3.8	3.9	3.9	6.2	10.5	13.4	15.1	16.8	17.9	18.6	18.5
20	7.5	9.0	9.1	10.3	11.0	11.0	10.7	10.0	12.6	15.6	18.2	18.7	18.7	18.9	18.6
21	11.4	11.5	10.7	8.5	8.4	8.1	8.0	9.5	12.0	14.0	14.7	16.2	19.4	20.3	20.3
22	14.4	14.5	14.4	14.4	14.2	14.2	13.9	14.2	15.6	17.8	19.7	20.7	21.7	22.2	22.4
23	16.8	16.5	16.1	15.1	14.2	13.2	12.4	11.9	11.9	13.0	13.7	14.3	14.8	15.4	15.1
24	9.9	9.8	9.6	9.6	8.5	7.7	6.4	6.7	11.2	12.5	13.9	16.0	16.2	16.1	16.7
25	5.7	5.7	5.6	5.9	4.7	4.5	5.6	6.3	7.8	10.5	11.3	13.0	14.7	14.9	15.8
26	12.9	12.8	12.9	13.0	12.6	12.9	13.8	14.1	14.9	15.6	16.4	16.6	17.6	18.2	18.6
27	17.1	17.1	17.3	17.4	17.4	17.7	18.0	18.8	19.6	20.7	21.8	22.6	22.7	22.6	22.0
28	15.7	15.2	15.1	14.8	14.4	14.1	14.2	13.5	13.4	13.3	14.2	14.6	14.6	14.6	14.3
29	12.7	12.3	12.2	11.3	11.1	10.9	10.6	10.2	10.7	11.8	12.8	14.3	15.2	16.2	16.2
30	6.4	5.8	5.7	5.8	5.9	5.9	6.0	5.7	6.6	8.8	11.5	14.5	15.1	16.0	16.3
31	4.8	4.9	6.2	6.6	6.8	6.1	6.2	8.5	10.5	13.1	15.2	16.4	16.9	17.3	17.4
Prom	11.2	10.9	10.8	10.7	10.6	10.4	10.3	11.1	13.0	14.8	16.1	17.3	18.0	18.3	18.3

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
59.0	58.9	58.8	57.8	57.5	57.9	58.3	58.3	57.7	60.4	9,10	57.5	20	2.9	759.2 mm.	1012.2 mb.
58.7	59.3	59.7	60.3	60.9	61.4	61.7	62.3	62.4	62.4	24	57.1	2	5.3	59.1	1012.1
63.6	63.6	63.7	63.7	64.1	64.1	64.3	64.1	64.0	64.9	10	62.3	3	2.6	63.7	1018.2
61.1	61.0	60.9	60.9	60.8	60.7	60.6	60.2	60.1	64.4	9,10,11	60.1	24	4.3	62.5	1016.1
59.1	59.3	59.7	60.1	60.6	61.0	61.3	61.7	62.3	62.3	24	59.0	15-16	3.3	60.1	1013.4
65.3	65.2	65.2	65.4	65.5	65.6	65.6	65.6	65.7	66.8	9,10,11	62.3	0	4.5	65.3	1020.4
62.4	62.2	62.2	62.2	62.2	62.0	61.7	61.6	61.6	65.7	0	61.6	23,24	4.1	63.7	1018.2
57.7	57.9	58.3	58.8	59.0	59.3	59.7	59.7	59.6	61.6	0	57.7	15,16	3.9	59.4	1012.4
60.0	60.2	60.5	60.8	61.1	61.2	61.2	61.4	61.6	61.6	24	59.4	5	2.2	60.4	1013.8
61.7	61.8	62.0	62.5	62.8	62.9	63.1	63.2	63.4	63.4	24	61.3	3	2.1	62.3	1016.4
63.7	63.9	64.0	64.0	64.1	64.1	64.4	64.4	64.0	65.2	10	63.2	3	2.0	64.0	1018.6
62.6	62.6	62.5	62.4	62.6	62.7	62.8	62.7	62.6	64.6	9,10	62.4	19	2.2	63.5	1018.0
61.1	61.0	60.9	61.5	61.7	61.8	61.9	61.9	61.8	63.0	9	60.9	18	2.1	62.0	1016.0
61.1	61.1	61.1	61.2	61.3	61.4	61.4	61.3	61.3	62.5	10	61.0	14,15	1.5	61.5	1015.3
58.9	58.9	58.9	59.2	59.3	59.3	59.3	59.4	59.7	61.1	10	58.9	varios	2.2	60.0	1013.3
56.1	55.8	55.8	55.8	55.7	55.4	55.6	55.7	55.8	59.7	0,1	55.4	21	4.3	57.7	1010.2
57.4	57.2	57.6	57.1	59.2	59.9	60.3	61.3	61.3	61.3	23,24	52.8	12	8.5	56.2	1008.2
64.7	64.7	64.6	64.6	64.8	64.8	64.8	64.6	63.9	65.8	12	61.3	0	4.5	64.5	1019.3
59.5	58.4	58.4	58.4	59.4	59.4	59.6	59.7	59.9	63.9	0	58.9	17,18,19	5.0	60.9	1014.5
59.7	60.0	60.0	59.8	60.0	60.2	60.3	60.3	60.4	60.6	10	59.2	4	1.4	60.0	1013.3
57.4	57.1	56.9	57.2	57.0	57.1	57.1	56.9	56.9	60.5	8	56.7	22-23	3.8	58.7	1011.6
52.6	52.7	53.1	53.5	54.2	54.6	55.1	55.3	55.7	56.9	0	52.6	14,15,16	4.3	54.6	1006.1
59.0	59.2	59.5	59.7	60.1	60.1	60.0	59.9	60.0	60.7	9,10	55.7	0	5.0	59.2	1012.2
56.7	56.8	56.8	56.9	56.9	56.5	56.4	56.3	55.6	60.0	0,1,10	55.6	24	4.4	58.2	1010.9
50.9	50.9	50.8	50.8	50.6	50.2	49.9	50.0	49.9	55.6	0	49.9	22,24	5.7	52.5	1003.3
49.3	49.6	49.5	49.8	49.8	49.7	49.6	49.5	49.4	50.6	10-11	49.3	15,16	1.3	49.8	999.7
48.5	49.0	50.0	50.8	51.4	51.9	52.6	53.1	53.0	53.5	23-24	47.6	13,14	5.9	49.2	998.9
54.3	54.8	55.2	55.6	55.7	55.8	56.1	56.1	56.5	56.5	24	52.8	2	3.7	54.8	1006.4
62.0	61.4	61.6	63.2	63.5	63.9	64.3	64.9	65.1	65.1	24	56.5	0	8.6	60.9	1014.5
65.8	66.3	66.4	66.5	66.5	66.5	66.7	66.7	66.5	67.2	10	65.1	0	2.1	66.2	1021.6
64.4	64.4	64.3	64.3	64.3	64.3	64.3	64.2	64.1	66.6	varios	64.1	24	2.5	65.3	1020.4
59.2	59.2	59.3	59.5	59.7	59.8	60.0	60.1	60.0	61.8		58.0		3.8	59.8	1013.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
16.1	15.4	14.7	14.1	13.8	13.6	13.6	13.3	12.8	18.9	12-13	6.0	5-6	12.9	12.5
17.8	16.2	13.6	11.4	10.3	10.3	9.9	9.5	8.4	18.1	15	8.4	24	9.7	12.8
13.3	12.5	10.9	8.6	6.7	5.7	5.0	4.2	3.7	13.7	15	3.7	24	10.0	9.0
14.7	13.2	11.1	10.4	10.5	10.6	10.6	10.5	10.5	14.7	16	3.0	2-3	11.7	9.4
17.3	16.1	14.8	13.8	12.7	12.3	12.3	12.0	12.0	17.5	14	10.3	7	7.2	13.4
12.2	10.8	9.6	7.8	7.0	7.1	7.2	7.3	7.3	13.4	14	5.6	7	7.8	9.2
15.2	14.0	12.1	11.4	11.1	11.3	10.8	10.4	9.8	17.2	14	7.3	0,1	9.9	11.8
20.6	17.8	14.7	12.3	10.4	10.2	9.3	9.2	8.5	21.3	15	8.5	24	12.8	13.4
18.7	15.8	12.2	10.0	9.0	7.4	6.9	6.2	5.9	18.9	15-16	5.9	24	13.0	10.8
20.7	17.2	13.3	10.4	8.9	8.6	8.4	7.5	7.1	21.1	13,14,15	4.2	6	16.9	11.4
18.7	16.0	14.2	13.1	13.0	12.9	12.8	12.5	12.6	20.5	14	5.6	2-3	14.9	13.0
18.0	16.9	15.8	15.4	15.0	14.8	14.8	14.2	14.4	18.6	13	11.5	7	7.1	14.9
21.2	19.7	18.4	17.4	17.4	17.4	17.3	16.9	16.7	21.8	14,15	14.3	0	7.5	17.9
21.1	19.9	19.3	18.7	18.5	18.4	17.9	17.9	17.3	21.8	15	16.3	6	5.5	18.3
23.7	21.0	19.7	19.0	18.8	19.0	18.8	18.5	18.4	24.7	13-14	15.6	7	9.1	19.3
23.6	22.4	21.8	21.6	20.3	20.0	20.0	20.0	19.8	25.4	14,15	16.5	7	8.9	20.6
15.3	15.0	15.3	15.4	15.3	15.1	14.9	14.0	13.1	22.7	10-11	13.1	24	9.6	17.6
17.7	14.7	10.7	8.8	7.5	6.5	6.0	5.6	5.0	18.0	15	5.0	24	13.0	11.9
17.6	15.2	12.0	8.9	7.9	7.5	7.4	7.4	7.8	18.8	14-15	3.6	5-6	15.2	9.9
17.8	15.9	14.5	13.8	12.7	11.6	10.7	11.1	11.6	18.9	14	7.5	1	11.4	13.3
20.2	18.4	16.9	16.5	15.8	15.6	15.2	15.3	14.6	20.4	13-14	8.0	7	12.4	14.2
21.3	19.5	17.4	17.3	17.2	17.2	16.8	16.7	16.8	22.4	15	13.9	7	8.5	17.3
13.9	12.5	11.5	10.5	10.3	10.3	10.1	10.1	10.1	16.8	0,1	10.0	23-24	6.8	13.1
16.7	12.8	9.3	7.5	7.0	6.6	6.7	6.0	5.8	16.7	15,16	5.8	24	10.9	10.4
15.2	13.6	13.0	12.7	12.3	12.5	12.2	12.1	12.7	15.9	15-16	4.0	6-7	11.9	10.3
18.5	17.4	17.1	17.0	17.0	17.0	17.0	17.0	17.1	18.6	15	12.6	5	6.0	15.8
21.0	20.9	19.0	18.7	18.6	18.2	17.4	16.6	16.0	22.7	13	16.0	24	6.7	19.1
14.2	14.2	14.2	14.1	13.7	13.2	12.9	12.9	12.7	16.0	0	12.7	24	3.3	14.1
15.8	14.1	12.4	11.3	10.0	8.9	8.3	7.9	7.5	16.4	14-15	7.5	24	8.9	11.9
15.7	13.2	10.7	8.8	8.8	8.3	8.1	6.1	5.3	16.3	15	5.3	24	11.0	9.2
16.5	13.7	12.0	11.2	10.2	8.8	9.1	9.4	9.9	17.4	15	4.2	1-2	13.2	10.7
17.8	16.0	14.3	13.2	12.5	12.2	11.9	11.6	11.3	18.9		8.8		10.1	13.4

HUMEDAD RELATIVA en %

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

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	7.6	7.2	7.0	7.0	6.8	6.8	8.6	10.0	10.5	11.0	10.5	10.5	11.1	11.5
2	10.5	10.5	10.0	9.5	9.0	9.0	8.5	8.8	8.5	9.0	8.5	9.5	8.0	8.8	8.5
3	7.6	7.2	7.2	7.0	7.4	7.2	7.0	7.3	7.2	7.2	7.0	7.2	7.0	6.9	7.2
4	5.6	5.4	5.6	5.6	6.0	6.0	6.2	6.5	6.6	8.0	8.0	8.0	8.0	8.5	9.0
5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.9	9.0	9.0	10.0	10.5	10.5	10.1	10.5
6	9.0	7.6	7.0	6.6	6.8	6.4	6.2	6.0	5.8	5.8	5.6	6.0	5.8	5.9	6.4
7	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7.0	6.6	7.0	7.2	7.6	7.8	8.6	8.5
8	7.2	8.0	8.5	8.5	8.5	9.0	9.0	9.3	10.0	10.0	10.0	11.0	11.5	10.9	13.5
9	7.8	7.8	7.8	7.8	8.0	7.8	7.8	8.3	8.5	9.0	9.0	10.0	9.5	8.6	8.0
10	6.6	6.4	6.2	6.0	6.0	6.0	6.4	7.4	8.0	8.0	8.0	8.0	7.0	7.4	7.0
11	7.2	6.6	7.0	6.8	7.2	7.2	7.4	8.3	8.5	9.0	9.0	8.0	7.4	7.8	8.5
12	9.0	9.0	9.5	10.0	10.0	9.5	9.5	10.6	11.0	11.0	12.0	12.0	12.0	12.1	12.0
13	12.0	12.0	12.5	12.5	13.0	13.0	13.0	13.4	13.0	14.0	13.5	14.0	14.5	14.3	14.0
14	13.5	13.5	13.5	14.0	13.5	13.5	13.5	13.9	13.5	14.5	15.0	16.0	15.0	15.5	15.0
15	13.5	13.5	13.5	13.5	13.0	13.0	12.5	13.2	13.0	14.0	15.0	15.5	16.5	15.6	15.5
16	13.0	13.0	12.5	12.0	11.5	11.5	12.0	12.8	13.0	14.0	13.5	13.0	13.5	14.7	15.0
17	14.0	14.0	14.5	14.5	15.0	14.5	14.0	14.5	14.0	15.0	15.0	15.5	15.5	13.9	13.0
18	8.5	8.5	8.5	8.5	8.5	7.8	7.6	7.1	7.6	7.2	7.4	7.6	7.4	7.2	8.0
19	6.0	5.8	6.0	5.8	5.8	5.8	5.8	7.1	7.2	8.0	7.4	6.8	7.2	7.1	7.4
20	7.4	8.0	8.0	9.0	9.5	9.5	9.0	9.2	10.0	10.0	11.0	11.5	11.5	11.4	12.0
21	9.5	9.5	9.0	8.0	8.0	7.8	7.8	8.9	10.0	11.5	12.0	13.0	13.5	14.4	14.5
22	11.5	12.0	12.0	12.0	11.5	11.5	11.5	12.1	12.0	13.0	14.0	15.0	14.0	13.2	13.5
23	12.0	12.0	10.5	8.0	6.8	6.4	6.6	6.2	5.8	5.8	4.4	5.0	5.2	5.1	5.4
24	6.0	6.4	6.4	6.4	6.4	6.0	5.8	5.8	5.6	5.6	6.2	5.8	5.2	5.6	6.0
25	6.0	6.2	6.2	6.6	6.2	6.0	6.6	7.2	6.8	7.2	8.0	8.5	9.0	8.8	9.0
26	10.0	10.0	10.0	10.0	10.0	10.0	11.0	10.6	11.0	11.5	11.0	11.5	13.0	12.6	13.0
27	14.0	14.0	14.0	14.0	14.0	14.5	15.0	16.2	16.5	17.5	17.5	18.5	19.0	20.0	19.0
28	12.5	12.5	12.5	12.0	11.5	11.5	11.5	10.9	11.0	10.5	10.5	10.5	10.5	11.8	11.5
29	10.5	10.0	10.0	9.5	9.5	9.5	9.0	8.8	8.5	9.0	9.5	10.0	10.5	10.0	9.0
30	7.0	6.6	6.6	6.6	6.6	6.6	6.8	6.9	7.0	8.0	8.0	8.5	7.8	8.3	7.8
31	6.2	6.2	6.8	7.0	7.0	6.8	6.8	8.3	8.0	8.5	9.5	9.5	9.5	8.9	8.5
Prom.	9.3	9.2	9.2	9.0	9.0	8.9	8.9	9.4	9.5	10.0	10.1	10.4	10.4	10.5	10.6

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
87	89	94	99	100	100	100	100	100	100	varios	67	12-13	33	93
61	68	84	92	95	94	97	94	96	100	varios	55	13-14	45	85
66	73	80	91	97	100	100	100	100	100	varios	60	14	40	86
72	79	90	89	87	88	89	94	95	100	varios	69	13-14	31	87
75	84	90	95	98	98	93	95	99	100	23-24	72	13,14	28	88
63	70	76	91	91	88	87	87	87	99	0	51	13-14	48	78
65	71	81	89	93	94	92	91	92	95	20-21	53	13-14	42	76
62	79	91	98	100	100	100	100	100	100	varios	56	15-16	44	87
53	70	85	94	97	100	100	100	100	100	varios	50	15-16	50	89
43	62	78	92	97	97	98	94	95	100	varios	37	15	63	78
55	73	79	83	95	95	96	90	85	100	varios	44	13,14	56	80
79	87	89	90	94	97	99	100	100	100	varios	70	14-15	30	90
79	84	89	96	96	96	97	100	100	100	24	72	13-14	28	91
82	87	91	94	93	95	98	98	100	100	varios	80	15	20	94
79	87	84	83	88	88	86	84	83	100	varios	71	13,15	29	87
64	74	80	82	83	85	87	88	86	89	4-5	57	13	32	78
95	98	100	100	100	100	89	80	80	100	varios	63	22-23	37	91
53	71	87	97	100	100	100	100	100	100	varios	40	14-15	60	79
52	64	73	87	91	89	94	99	100	100	varios	42	14-15	58	81
82	92	95	96	100	100	100	100	100	100	varios	71	11	29	92
85	91	96	98	99	100	100	100	100	100	varios	80	13-14	20	96
79	86	95	97	98	100	100	99	99	100	varios	61	14-15	39	92
50	59	65	73	65	67	67	65	65	99	0	36	13-14	63	61
44	64	76	83	85	73	77	81	82	87	19-20	35	12-15	52	66
73	82	89	93	93	94	97	99	97	100	varios	65	15-16	35	88
86	94	96	100	100	99	99	99	100	100	varios	84	11,12	16	92
100	98	99	99	98	97	94	96	95	100	varios	93	12	7	98
100	100	100	100	100	99	96	97	98	100	varios	88	12	12	97
74	84	92	96	100	99	92	94	97	100	varios	69	15	31	92
70	89	94	100	100	100	100	99	100	100	varios	53	14-15	47	91
59	63	75	87	92	97	100	100	100	100	varios	56	14-15	44	86
70	80	87	92	94	94	94	94	94	99		61		38	86

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
11.5	11.0	11.5	11.5	11.7	11.0	11.0	11.0	10.5	11.7	20	6.8	6,7	4.9	9.8
9.0	9.0	9.5	9.0	8.9	8.5	8.5	8.0	7.8	10.5	1,2	7.8	24	2.7	9.0
7.6	7.8	7.4	7.6	7.1	6.6	6.2	6.0	5.8	7.8	17	5.8	24	2.0	7.1
9.0	8.5	8.5	8.0	8.3	8.0	8.0	8.5	8.5	9.0	15,16	5.4	2	3.6	7.4
10.5	11.0	10.5	10.5	10.7	10.0	9.5	9.5	10.0	11.0	17	8.9	8	2.1	9.7
6.6	6.4	6.8	7.2	6.8	6.6	6.6	6.6	6.6	9.0	1	5.6	11	3.4	6.6
8.0	8.5	8.5	8.5	9.1	9.0	8.5	8.5	8.0	9.1	20	6.6	varios	2.5	7.6
11.0	11.5	11.5	10.0	9.4	9.0	8.5	8.5	8.0	13.5	15	7.2	1	6.3	9.7
8.0	9.0	8.5	8.5	8.4	7.4	7.2	6.8	6.6	10.0	12	6.6	24	3.4	8.2
7.8	9.0	8.5	8.5	8.4	8.0	7.8	7.0	6.8	9.0	17	6.0	4,5,6	3.0	7.3
8.5	9.5	9.0	9.0	10.6	10.0	10.5	10.0	9.0	10.6	20	6.6	2	4.0	8.4
11.5	12.0	11.5	11.0	11.6	12.0	12.0	11.5	11.5	12.1	14	9.0	1,2	3.1	11.0
14.5	14.0	13.5	14.0	14.2	14.0	14.0	13.5	13.5	14.5	13,16	12.0	1,2	2.5	13.5
15.0	15.0	15.0	14.5	14.6	14.5	14.5	14.5	14.0	16.0	12	13.5	varios	2.5	14.4
16.5	16.0	14.0	13.5	14.2	14.0	14.0	13.0	13.0	16.5	13,16	12.5	7	4.0	14.1
13.5	14.5	15.0	15.5	14.8	14.0	15.0	15.0	15.0	15.5	19	11.5	5,6	4.0	13.6
12.0	12.0	12.5	12.5	12.9	12.0	11.0	9.0	8.5	15.5	12,13	8.5	24	7.0	13.3
7.8	9.0	8.0	8.0	7.7	7.0	6.8	6.6	6.2	9.0	17	6.2	24	2.8	7.7
7.8	8.0	7.6	7.4	7.3	6.6	7.0	7.4	7.6	8.0	10,17	5.8	varios	2.2	6.9
12.5	12.0	11.0	11.0	11.0	9.5	9.0	9.5	9.5	12.5	16	7.4	1	5.1	10.1
14.5	14.5	13.5	13.5	12.6	12.5	12.5	12.5	12.0	14.5	15,16,17	7.8	6,7	6.7	11.5
14.5	14.5	13.5	14.0	14.3	14.0	13.5	13.5	13.5	15.0	12	11.5	varios	3.5	13.1
5.6	6.2	6.2	6.8	5.9	6.2	6.2	5.8	5.6	12.0	1,2	4.4	11	7.6	6.6
6.0	6.8	6.8	6.4	7.0	5.2	5.6	5.6	5.6	7.0	20	5.2	13,21	1.8	6.0
9.0	9.5	9.5	10.0	9.9	10.0	10.0	10.0	10.5	10.5	24	6.0	1,6	4.5	8.2
13.5	13.5	14.0	14.0	14.4	14.0	14.0	14.0	14.0	14.4	20	10.0	varios	4.4	12.1
18.0	17.5	16.0	15.5	15.6	15.0	13.5	13.5	12.5	20.0	14	12.5	24	7.5	15.9
11.5	11.5	11.5	11.5	11.6	11.0	10.5	10.5	10.5	12.5	1,2,3	10.5	varios	2.0	11.3
9.5	9.5	9.5	9.5	9.2	8.0	7.6	7.2	7.2	10.5	1,13	7.2	23,24	3.3	9.2
8.5	9.5	8.5	8.0	8.5	7.8	7.8	6.8	6.4	9.5	17	6.4	24	3.1	7.5
8.0	7.2	7.6	8.5	8.6	8.0	8.0	8.5	8.5	9.5	11,12,13	6.2	1,2	3.3	7.9
10.6	10.8	10.5	10.4	10.5	10.0	9.8	9.6	9.4	11.8		8.0		3.8	9.8

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	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V
1	C	1	W	2	W	3	NW	3	NW	2	W	2	C	0	C	0	C	1	C	0	C	0	C	0	E	2	C	1	W	2
2	S	8	S	5	S	6	S	4	S	4	S	6	S	6	S	6	S	6	S	6	S	7	S	7	S	8	S	12	S	7
3	C	0	C	0	C	0	C	1	S	6	S	5	S	4	S	3	S	4	S	7	S	8	S	6	S	6	S	4	S	4
4	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	E	3	N	5	N	11	N	10	N	9	N	10
5	N	12	N	14	NW	16	NW	16	NW	14	NW	12	NW	10	NW	15	NW	17	NW	22	NW	24	NW	24	NW	19	NW	18	W	19
6	S	11	S	8	S	7	S	7	S	7	S	7	S	6	S	7	S	10	S	11	SE	11	SE	8	SE	7	SE	8	SE	5
7	E	4	E	5	E	5	E	8	E	7	NE	8	NE	10	NE	8	N	12	N	17	N	17	N	10	N	6	N	3	E	11
8	NE	5	NE	5	NE	7	NE	7	NE	5	E	4	E	4	E	7	N	12	N	9	N	9	NW	7	W	7	W	3	C	1
9	W	4	W	5	W	9	SW	4	SW	3	SW	5	S	4	S	7	S	6	S	4	S	4	S	2	S	2	S	2	S	2
10	W	4	W	3	C	1	W	2	W	3	W	2	W	4	W	2	C	0	W	3	NW	6	W	7	W	6	W	7	W	7
11	NE	4	NE	2	NE	6	NE	3	NE	5	NE	5	NE	5	NE	5	N	11	N	12	N	11	N	12	NE	11	NE	9	E	11
12	NE	6	NE	4	E	4	E	7	E	7	E	7	E	6	E	8	E	11	E	11	E	12	E	10	E	9	E	13	E	12
13	E	8	E	7	E	8	E	7	NE	7	NE	9	NE	8	NE	9	NE	10	NE	9	E	8	E	7	E	9	E	7	E	8
14	E	6	E	5	NE	7	NE	9	NE	8	NE	6	NE	6	N	8	NE	9	NE	9	NE	12	NW	2	E	2	NE	5	E	6
15	NE	6	NE	8	NE	10	NE	10	NE	11	NE	9	NE	9	NE	9	N	12	N	11	N	14	N	15	N	15	E	11	E	9
16	NE	11	NE	13	NE	14	NE	11	NE	10	NE	12	NE	11	NE	9	N	15	N	15	N	19	N	20	N	22	N	24	N	19
17	N	20	N	23	N	28	N	29	N	26	N	30	N	23	N	28	N	29	N	32	N	32	N	31	S	19	S	16	S	12
18	S	10	S	6	S	4	S	6	S	7	S	6	S	5	S	4	S	8	S	7	S	5	S	7	S	3	S	3	C	1
19	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	N	6	N	8	N	18	N	14	N	14	N	14	NW	12
20	N	9	N	12	N	8	N	8	N	4	NW	7	NW	7	NW	6	NW	4	NW	6	NW	8	NW	8	NW	7	NW	7	NW	6
21	NW	4	NW	5	NW	2	C	1	NW	3	C	1	C	0	C	0	NW	6	NW	8	NW	8	NW	8	NW	6	N	10	N	10
22	N	5	N	3	N	6	N	10	N	10	N	11	N	6	N	10	N	12	N	14	N	18	N	22	N	16	N	18	N	14
23	W	8	S	8	S	6	S	12	S	14	S	7	S	6	S	5	S	4	S	4	S	8	S	8	S	6	S	5	S	3
24	W	3	W	2	C	1	S	6	W	4	W	2	W	2	W	2	W	2	W	6	W	5	W	6	W	6	S	8	W	5
25	N	8	N	8	N	8	N	7	N	4	N	2	N	7	N	5	N	8	N	10	N	10	N	11	N	16	N	22	N	18
26	N	27	N	34	N	28	N	19	N	10	NE	10	NE	12	NE	11	N	12	N	15	N	11	N	11	N	10	N	12	NE	5
27	C	1	C	1	E	2	E	2	E	3	E	3	E	2	E	3	NE	8	N	8	N	12	NW	12	NW	10	W	7	W	4
28	S	10	S	5	S	5	S	6	S	8	S	8	S	9	S	8	S	10	S	10	S	10	S	10	S	12	S	10	S	10
29	S	10	S	10	S	11	S	14	S	10	S	12	S	12	S	12	S	6	S	8	S	8	S	10	S	6	S	14	S	12
30	C	0	C	1	C	1	S	2	S	2	C	0	C	0	C	0	C	0	C	0	C	0	S	4	C	0	C	0	C	0
31	C	0	C	1	N	2	N	2	N	2	N	3	N	3	N	3	N	8	N	8	N	12	N	12	N	13	N	10	N	12
DIR. PREV.	C		N-S-C		N-S-C		S		S		NE-S		S		S		N		N		N		N		N		N-S		S	
Nº de HORAS	7		6		6		8		8		7		8		8		11		12		13		11		9		9		7	
PROM. HOR. DE LA VELOC		3		3		3		3		3		3		2		3		3		4		4		4		4		4		3

15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		PREVAL. DIARIA		PROM. DIARIO DE VELOC.	VELOCIDAD INSTANTÁNEA		
D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	DIR.	Nº de HORAS		VELOC.	DIREC.	HORA
SW	3	C	0	C	1	C	1	C	1	C	1	C	1	C	1	C	1	C	16	1	5	W	23.56
S	7	S	3	C	1	C	0	C	0	C	1	E	2	SW	2	C	1	S	17	5	18	S	13.23
S	4	C	1	C	1	C	0	C	0	C	0	C	0	C	0	C	0	C-S	12	3	12	S	10.34
N	9	NE	6	NE	3	NE	8	NE	6	N	7	N	9	N	10	N	10	N	10	5	12	N	12.24 13.40
W	10	W	6	W	5	W	3	C	1	SW	4	SW	6	S	5	S	11	NW	12	13	30	NW	10.54 11.19
E	4	E	7	E	6	E	3	E	2	E	3	E	4	E	3	E	4	S	10	6	18	S	0.26
E	10	E	7	E	6	E	9	E	7	E	9	E	7	NE	5	NE	5	E	13	8	20	N	10.24
C	0	C	0	C	0	C	1	C	0	N	2	C	1	NW	2	NW	4	C	7	4	15	N	9.02
C	0	C	0	C	0	C	0	C	0	C	0	C	1	W	3	W	2	S	9	3	10	S	7.36
W	5	W	2	C	0	C	0	C	0	NE	3	NE	3	C	1	E	3	W	14	3	10	W	13.23 13.39
E	9	E	7	E	5	E	7	E	9	E	9	E	7	E	6	E	8	NE-E	10	7	12	E	14.48
E	8	E	5	E	5	E	4	E	9	E	8	E	6	E	6	E	6	E	22	8	15	E	14.04
E	7	E	5	E	8	E	7	E	7	E	8	E	9	E	5	E	6	E	18	8	11	NE	6.16
E	9	E	7	E	7	E	9	E	8	E	7	NE	7	NE	11	NE	10	NE	12	7	15	N	10.58
E	7	F	7	E	7	E	5	NE	5	NE	11	NE	11	NE	10	NE	9	NE	13	10	17	N	12.37
N	13	N	4	N	8	N	14	N	13	N	16	N	17	N	17	N	16	N	16	14	28	N	13.35
S	10	S	6	S	8	S	9	S	12	S	8	S	8	S	6	S	8	N-S	12	19	44	N	11.53
C	1	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	S	14	3	14	S	1.12
NW	9	NW	4	NW	4	N	2	N	5	N	4	N	7	N	8	N	6	N	12	6	18	N	11.27
NW	5	C	1	C	1	NW	3	C	1	NW	2	NW	2	NW	7	NW	6	NW	16	6	12	NW	2.06
N	6	N	4	N	3	N	3	N	6	N	6	N	5	N	8	N	3	N	11	5	12	N	13.56
N	12	N	5	N	2	N	2	C	1	C	1	N	2	N	7	N	11	N	22	9	24	N	10.59
SW	2	C	0	C	0	C	0	W	4	W	5	W	2	W	3	W	4	S	14	5	20	S	4.06
W	3	C	0	C	0	C	0	C	0	N	3	N	3	N	3	N	5	W	13	3	10	SW	13.36
N	16	NW	8	NW	8	NW	10	NW	10	NW	11	NW	4	N	15	N	24	N	18	10	34	N	23.44
E	4	E	4	E	3	E	3	NE	4	NE	6	E	5	E	3	E	4	N	11	11	46	N	1.13
SW	8	S	8	S	7	S	3	S	6	S	6	S	6	S	6	S	7	S	8	6	18	S	21.44
S	12	S	12	S	10	S	8	S	14	S	14	S	16	S	10	S	10	S	24	10	26	S	21.17
S	11	S	6	S	2	C	1	S	3	S	4	S	6	S	4	S	2	S	23	8	23	S	13.54
C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	21	0.4	4	S	3.45
NE	10	NE	7	NE	3	NE	3	NE	2	C	1	NE	2	NE	4	NE	3	N	13	5	18	N	10.28

N-S		C		C		C		C		C		E		N		N		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		96 Km.		
5		9		11		11		12		8		7		7		7					DIREC.	DIA	HORA
	3		2		2		2		2		2		2		2		2	N	158	9	NW	5	de 13.00 a 13.05

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	2					1	3	4	9	2	5	16	29
2					1	2	1	2	17	108							5	115
3									12	61							12	64
4	10	90	4	23	1	3											9	116
5	2	26							2	16	2	10	5	43	12	207	1	303
6					9	36	5	39	10	81								156
7	6	65	5	36	13	95												196
8	4	32	5	29	3	15							2	10	3	13	7	102
9									9	33	3	12	5	23			7	69
10			2	6	1	3							14	57	1	6	6	74
11	4	46	10	55	10	78												179
12			2	10	22	174												184
13			6	52	18	131												183
14	1	8	12	99	10	66									1	2		175
15	5	67	13	118	6	46												231
16	16	252	8	91														343
17	12	331							12	122								453
18									14	81							10	83
19	12	106													4	29	8	135
20	5	41													16	91	3	135
21	11	64													9	50	4	116
22	22	216															2	218
23									14	96	1	2	6	26			3	124
24	4	14							2	14			13	48			5	77
25	18	199	6	51														250
26	11	189	6	48	7	26												263
27	2	20	1	8	6	15			8	49	1	8	2	11	2	22	2	135
28									24	237								237
29									23	193							1	194
30									3	8							21	10
31	13	90	8	34													3	126
SUMAS	158	1856	88	660	108	692	6	41	150	1099	8	35	51	227	50	425	125	5075
% PREVAL POR VELOCIDAD	36.6		13.0		13.6		0.8		21.6		0.7		4.5		8.4		0.8	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	12		8		6		7		7		4		4		8		3	164

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	6	5	3		5		4	1	7
1 - 2	6	5	3		6		4	1	6
2 - 3	6	5	4		6		2	2	6
3 - 4	6	5	4		8	1	1	2	4
4 - 5	6	6	3		8	1	2	3	2
5 - 6	4	7	3		7	1	3	2	4
6 - 7	4	7	3		8		2	2	5
7 - 8	5	6	3		8		2	2	5
8 - 9	11	3	1		8		1	3	4
9 - 10	12	2	2		8		2	3	2
10 - 11	13	1	2	1	7		1	4	2
11 - 12	11		2	1	8		2	6	1
12 - 13	9	1	4	1	8		3	4	1
13 - 14	9	2	3	1	9		3	2	2
14 - 15	6	1	6	1	7		5	2	3
15 - 16	5	1	8		5	3	3	2	4
16 - 17	3	3	8		5		2	1	9
17 - 18	3	3	8		4		1	1	11
18 - 19	4	3	8		3		1	1	11
19 - 20	3	5	6		4		1		12
20 - 21	6	4	6		4	1	1	1	8
21 - 22	6	5	7		4	1	1	1	6
22 - 23	7	4	5	1	5		2	2	5
23 - 24	7	4	6		5		2	2	5
SUMAS	158	88	108	6	150	8	51	50	125
% de frec. por dirección	21.2	11.8	14.5	0.8	20.2	1.0	6.9	6.7	16.8

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	Ac As	8	Sc 1 Ac 4 Cs 3	8	St	8	Ns	8	Ns	8	96	97	97
2	Cs	6	As	7	Ci	5	Claro	0	Claro	0	9	8	8
3	Sc	8	Sc 3 Ci 1 Cu 1	5	Cu	5	Claro	0	Claro	0	8	8	8
4	Sc 6 Ac 1	7	Cu Sc 5 Ac 2	7	Cu	5	Ci	2	Ci	2	5	8	9
5	As	8	As	8	As	8	Cs	8	Cs	9	8	8	8
6	Ci	1	Ci	7	Cs	7	Cs	1	Claro	0	9	8	8
7	Ac	7	Ac 3 Ci 3	6	Ci	5	Claro	0	Claro	0	8	8	8
8	Sc 2 Ac 4	6	Ac 2 Ci 1	3	Ci	3	Claro	0	Claro	0	8	8	3
9	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	2	9	7
10	Ci Cs	8	Ci	2	Ci	1	Claro	0	Claro	0	6	9	7
11	Claro	C	Claro	0	Claro	0	Claro	0	Ac	1	9	9	9
12	Ci	1	Ci	6	Ci	7	Claro	0	Claro	0	8	8	9
13	Sc 3 Ci Cs 5	8	Ci Cs	8	Ci Cs	8	Claro	0	Claro	0	9	8	8
14	Cb 4 Sc 2	6	Cb	8	St 4 Ac 2 Ci 2	8	Cs	8	Ci	3	8	7	5
15	Ci	7	Ci	6	Cs	8	Ci	2	Claro	0	8	8	9
16	Sc	2	Sc	2	Sc	2	Sc	4	Sc	3	8	8	7
17	Sc	6	Sc	8	Ns	8	Sc Cb	6	St	8	8	6	7
18	As 3 Cs 4	7	Cs	4	Ci	3	Claro	0	Claro	0	8	8	8
19	Claro	0	Claro	0	Claro	0	Ci	1	Claro	0	7	9	9
20	Claro	0	Ci	4	Ci	7	Ci Cs	8	Ci Cs	8	3	8	3
21	Niebla	8	Cu	8	Cu	5	Ci	1	Ci	6	1	6	9
22	Ci Cs	8	Cu 1 Ci 7	8	Ci Cs	7	Ci Cs	8	Sc	6	6	8	8
23	Sc	7	Ci 5 Sc 3	8	Sc 3 Ci 5	8	Sc 4 Ac 3	7	Sc	8	8	8	8
24	Ci Cs	7	Ci	4	Claro	0	Claro	0	Claro	0	9	9	9
25	As 6 Ac 2	8	Cs 3 Ci 5	8	Ci Cs	8	Cs	8	Cs	8	7	9	9
26	Sc	7	Sc	8	Sc 4 Cs 2	6	St	8	St	8	8	8	7
27	St Fs	8	Fs	8	Fs	8	St	7	Fs	8	7	9	9
28	Fs	8	St	8	St	8	St	8	Ns	8	7	7	6
29	St	8	Cu 1 Ac 3 Ci 2	6	Cu	4	Claro	0	Claro	0	8	9	9
30	Niebla	8	Claro	0	Claro	0	Claro	0	Claro	0	1	9	9
31	Ci	5	Ci	1	Ci	3	Claro	0	Claro	0	7	8	8
Prom.		6		5		5		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	21.5	14.1	0.60	8	1	3	Ne.
	10	25.8	17.0	0.72	8	1	3	Ne.
	12	40.9	23.9	1.38	8	4	3	Ne.
	14	20.3	18.0	0.58	8	0	4	Ne.
	15	18.4	17.9	0.04	8	0	3	Ne.
2	9	28.2	15.9	1.00	7	2	5	
	10	27.4	17.0	0.84	8	1	5	
	12	32.8	20.0	1.04	7	1	5	
	14	34.8	21.6	1.07	5	5	5	
	15	35.8	20.6	1.24	4	5	5	
3	9				8	0	5	Am.
	10	21.0	13.2	0.63	7	3	5	
	12	31.4	18.0	1.09	5	5	5	
	14	23.8	15.5	0.67	5	3	5	
	15	22.3	15.4	0.56	5	3	5	
4	9	27.3	14.4	1.05	7	3	2	Ne.
	10				8	0	2	Ne., Z.
	12	23.2	15.4	0.63	7	0	5	
	14	30.1	17.6	1.02	5	5	5	
	15	25.2	16.2	0.73	1	5	5	
5	9	17.8	13.5	0.35	8	1	5	
	10	21.8	16.8	0.41	8	1	5	
	12	24.9	17.9	0.57	8	1	5	
	14	25.4	19.3	0.50	8	1	5	
	15	21.8	17.9	0.32	8	1	5	
6	9	28.4	13.1	1.24	2	5	5	
	10	31.3	15.0	1.33	6	5	5	
	12	34.3	17.4	1.37	7	5	5	
	14	27.3	15.8	0.93	7	4	5	
	15	23.9	14.8	0.74	8	4	4	B.
7	9	32.7	16.3	1.33	7	5	5	
	10	34.8	17.9	1.37	7	4	5	
	12	39.4	21.3	1.47	6	5	5	
	14	35.0	20.6	1.17	5	5	5	
	15	33.6	19.8	1.12	3	5	5	
8	9	35.4	18.6	1.36	7	5	5	
	10	21.9	15.8	0.50	7	0	5	
	12	33.4	17.7	1.28	3	5	5	
	14	39.0	23.6	1.25	3	5	5	
	15	35.4	22.7	1.03	3	5	5	
9	9				8	0	1	dv.
	10	16.3	13.6	0.22	8	0	2	N.
	12	36.2	20.7	1.26	0	5	4	Ne.
	14	38.6	22.7	1.29	0	5	5	
	15	35.7	21.7	1.14	1	5	5	
10	9	33.7	17.2	1.34	3	5	5	
	10	40.3	23.8	1.34	2	5	5	
	12	39.4	23.6	1.28	2	5	5	
	14	37.8	23.6	1.15	1	5	5	
	15	37.3	23.4	1.13	1	5	5	
11	9	30.9	17.2	1.11	0	5	5	
	10	36.0	20.1	1.29	0	5	5	
	12	40.2	24.2	1.30	0	5	5	
	14	39.3	24.0	1.24	0	5	5	
	15	35.7	22.3	1.09	0	5	5	
12	9	32.7	18.8	1.13	1	5	5	
	10	36.3	20.6	1.28	3	5	5	
	12	37.8	22.5	1.24	6	5	5	
	14	31.6	21.0	0.86	7	4	5	
	15	29.5	20.8	0.71	7	4	5	
13	9	24.6	19.4	0.42	8	0	5	
	10	30.5	21.6	0.72	8	4	5	
	12	33.6	23.3	0.84	8	4	5	
	14	34.9	24.3	0.86	8	2	5	
	15	27.3	22.0	0.43	8	1	5	
14	9	23.8	19.8	0.32	7	0	5	
	10	36.0	23.6	1.01	7	3	5	
	12				8	1	4	Z.
	14	30.4	22.8	0.62	8	4	5	
	15	31.1	24.0	0.58	8	1	5	
15	9	29.5	20.2	0.76	8	4	5	
	10	38.7	23.9	1.20	8	5	5	
	12	43.4	28.0	1.25	6	5	5	
	14	42.5	27.8	1.20	8	5	5	
	15	36.4	25.3	0.90	8	3	5	
16	9	35.6	22.7	1.05	1	5	5	
	10	39.9	25.8	1.15	2	5	5	
	12	43.0	29.0	1.14	2	5	5	
	14	42.1	29.0	1.06	2	5	4	
	15	37.4	27.5	0.80	2	5	4	
17	9	36.5	24.0	1.02	6	3	5	
	10	27.8	22.8	0.41	7	2	5	
	12	22.5	21.9	0.05	8	0	4	
	14				8	0	4	LL.
	15				8	0	3	LL.
18	9	28.7	15.4	1.08	6	4	5	
	10	31.4	17.2	1.15	5	4	5	
	12	35.9	20.1	1.28	4	5	5	
	14	35.5	21.0	1.18	3	5	5	
	15	26.3	17.9	0.68	5	4	5	
19	9	29.3	14.7	1.19	0	5	5	
	10	33.4	17.2	1.32	0	5	5	
	12	37.2	20.7	1.34	0	5	5	
	14	36.7	21.3	1.25	0	5	5	
	15	32.8	19.9	1.05	1	5	5	
20	9	31.3	17.5	1.12	3	5	5	
	10	36.5	20.6	1.29	3	5	5	
	12	35.6	23.3	1.00	4	5	5	
	14	32.0	21.8	0.83	7	4	5	
	15	28.1	20.2	0.64	7	4	5	
21	9				8	1	1	N., dv.
	10				8	1	1	N., dv.
	12	30.7	20.3	0.84	8	1	4	Ne.
	14	27.8	21.4	0.52	5	3	4	Ne.
	15	24.3	20.7	0.29	7	1	5	
22	9	25.6	17.8	0.63	8	4	3	Ne.
	10	32.5	21.0	0.93	8	4	4	Ne.
	12	37.5	24.3	1.07	8	4	4	Ne.
	14	35.3	24.8	0.85	7	4	5	
	15	33.3	24.2	0.74	8	2	5	
23	9	15.6	12.7	0.24	7	0	5	
	10	30.0	17.0	1.06	4	3	5	
	12	34.0	19.7	1.16	8	3	5	
	14	33.0	19.5	1.10	8	3	5	
	15	19.0	14.8	0.34	7	2	5	
24	9	31.9	16.0	1.29	6	5	5	
	10	29.8	15.8	1.14	6	5	5	
	12	38.8	21.1	1.44	4	5	5	
	14	35.4	20.1	1.24	0	5	5	
	15	32.9	20.3	1.02	0	5	5	
25	9	10.8	8.6	0.18	8	1	5	
	10	21.8	12.9	0.72	8	2	5	
	12	22.8	14.9	0.64	8	1	5	
	14	29.1	17.7	0.93	8	4	5	
	15	28.4	18.1	0.84	7	4	5	
26	9	20.0	16.2	0.31	8	0	5	
	10	21.3	17.3	0.32	8	0	5	
	12	23.2	18.4	0.39	8	0	5	
	14	31.5	21.5	0.81	6	3	5	
	15	26.4	20.5	0.48	8	2	5	
27	9	21.4	20.1	0.10	8	0	5	
	10	23.4	21.4	0.16	8	0	5	
	12	29.9	24.6	0.43	8	0	5	
	14				8	0	5	Am.
	15				8	0	5	Am.
28	9				8	0	5	Am.
	10				8	0	5	Am.
	12	17.9	14.7	0.26	8	0	5	
	14				8	0	3	Ne., Am.
	15				8	0	3	Ne., Z.
29	9	18.0	12.9	0.41	8	0	5	
	10	20.5	14.4	0.50	8	1	5	
	12	38.3	20.4	1.46	6	5	5	
	14	32.5	20.0	1.02	4	3	5	
	15	32.2	18.2	1.14	2	5	5	
30	9				8	1	1	N., dv.
	10	30.7	15.4	1.24	0	5	4	Ne.
	12	35.4	19.0	1.33	0	5	5	
	14	34.7	19.2	1.26	0	5	5	
	15	30.7	17.8	1.05	0	5	5	
31	9	28.7	15.0	1.11	2	5	5	
	10	33.6	17.4	1.32	1	5	5	
	12	36.6	20.7	1.29	1	5	5	
	14	35.5	21.0	1.18	3	5	5	
	15	31.5	20.2	0.92	2	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						0.7	0.4	0.5							1.6	10.6	15
2				0.8	0.4	0.4	1.0	0.5	1.0	1.0	1.0	0.8			6.9	10.6	65
3				0.1	0.3	0.7	0.6	1.0	0.3	0.6	0.2				4.4	10.5	42
4				0.3	0.5	0.2	0.2	0.4	1.0	1.0	1.0	0.5			5.1	10.5	49
5															0.0	10.5	00
6				1.0	1.0	1.0	1.0	1.0	1.0	0.3	0.1				6.4	10.4	62
7				0.1	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.5			7.4	10.4	71
8				0.2	0.5	0.4	1.0	1.0	1.0	1.0	1.0	0.6			6.7	10.4	64
9						0.1	1.0	1.0	1.0	1.0	1.0	0.5			5.6	10.4	54
10				0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			7.9	10.3	77
11				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			8.5	10.3	82
12				1.0	1.0	1.0	1.0	1.0	0.4	0.2	0.1				5.7	10.3	55
13				1.0	0.6	0.4	0.5	0.9	0.7						4.1	10.3	40
14				0.9	0.4	0.2			0.7	0.6	0.3				3.1	10.2	30
15			0.1	0.6	0.3	1.0	1.0	1.0	1.0	1.0	1.0	0.4			7.4	10.2	73
16			0.1	1.0	1.0	1.0	1.0	1.0	1.0	0.1					6.2	10.2	61
17				0.3	0.8	1.0	0.3								1.7	10.2	17
18				0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6			7.7	10.1	76
19			0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			8.6	10.1	85
20				0.6	1.0	1.0	1.0	1.0	1.0	0.2	0.3				6.1	10.1	60
21								1.0	1.0	0.3	0.5	0.2			3.0	10.1	30
22					0.4	0.8	1.0	1.0	0.7	0.5	0.1				4.5	10.0	45
23					0.3	1.0	1.0	0.7	1.0	0.2					4.2	10.0	42
24				0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4			7.9	10.0	79
25								0.3	0.9	0.6	0.7				2.5	10.0	25
26									0.3	0.1					0.4	10.0	04
27															0.0	9.9	00
28							0.1								0.1	9.9	01
29						0.1	0.6	0.8	0.8	1.0	1.0	0.5			4.8	9.9	48
30					0.5	1.0	1.0	1.0	1.0	1.0	1.0				6.5	9.9	66
31				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3			8.3	9.9	84
Medias			0.0	0.4	0.5	0.6	0.7	0.7	0.8	0.6	0.5	0.2			5.0	10.2	48

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	17.6	16.8	15.0	16.6	16.6	14.4	14.6	14.8	15.6	15.5	15.8	-	-	-
2	15.0	17.4	16.0	15.3	16.5	16.2	14.6	14.6	15.0	15.6	15.5	15.6	-	-	-
3	13.6	16.2	14.6	14.2	15.3	15.2	13.7	13.5	14.0	15.0	14.8	14.7	-	-	-
4	12.0	14.6	14.0	13.0	14.1	14.2	12.6	12.6	12.8	14.1	14.0	13.9	-	-	-
5	13.2	15.6	15.0	12.5	14.6	14.9	13.5	12.7	13.2	12.9	13.8	13.9	-	-	-
6	12.4	15.0	13.3	13.3	14.2	14.1	12.6	12.6	13.0	13.9	13.6	13.8	-	-	-
7	12.5	15.7	14.4	13.0	14.4	14.6	12.4	12.6	13.2	12.6	13.6	13.6	-	-	-
8	13.4	16.6	15.2	13.5	14.8	15.2	12.6	12.7	13.3	13.6	13.6	13.7	-	-	-
9	13.0	16.3	14.4	13.5	14.8	14.8	12.6	12.8	13.2	13.6	13.5	13.8	-	-	-
10	11.7	16.2	14.5	12.6	14.6	14.8	12.0	12.4	13.0	13.3	13.2	13.5	-	-	-
11	12.0	16.0	14.5	12.7	14.5	14.6	12.2	12.3	13.0	13.3	13.2	13.4	-	-	-
12	13.5	16.6	15.7	13.5	15.3	15.5	12.5	12.9	13.5	13.4	13.4	13.7	-	-	-
13	15.4	18.2	17.4	15.2	16.6	16.8	13.3	13.8	14.6	14.0	14.0	14.6	-	-	-
14	16.5	18.2	18.2	16.1	17.1	17.5	14.2	14.5	15.2	14.6	15.0	15.2	-	-	-
15	16.6	19.7	18.4	16.5	17.9	18.0	14.7	15.2	15.6	15.3	15.6	15.6	-	-	-
16	17.4	20.2	19.2	17.1	18.4	18.5	15.6	15.8	16.2	16.0	16.0	16.2	-	-	-
17	18.0	19.4	17.8	17.7	18.3	16.6	16.0	16.2	16.0	16.4	16.3	16.4	-	-	-
18	14.4	17.0	15.2	15.3	16.0	15.8	14.6	14.4	14.4	15.6	15.4	15.4	-	-	-
19	11.8	15.3	13.7	13.0	14.4	14.4	13.0	13.0	13.2	14.4	14.2	14.2	-	-	-
20	13.0	16.6	15.6	12.4	15.2	15.3	12.6	13.0	13.6	13.8	13.8	14.2	-	-	-
21	13.2	17.2	16.2	13.8	15.2	15.7	12.8	13.2	13.8	13.8	14.0	14.1	-	-	-
22	14.7	18.3	17.1	14.7	16.5	16.6	14.4	13.6	14.4	13.9	14.1	14.6	-	-	-
23	15.6	16.6	15.4	15.7	15.7	15.6	14.2	13.8	14.4	14.7	14.7	14.6	-	-	-
24	13.2	15.7	13.8	14.0	14.7	14.5	13.1	13.4	13.2	14.2	14.0	14.0	-	-	-
25	11.4	13.4	13.4	12.4	15.1	13.4	12.0	12.0	12.0	13.5	13.0	13.0	-	-	-
26	13.4	16.0	16.2	12.5	14.5	15.2	12.0	12.5	13.0	12.8	13.1	13.4	-	-	-
27	16.2	18.3	18.2	15.7	16.9	17.2	13.4	14.0	14.4	13.9	14.2	14.4	-	-	-
28	16.4	16.5	16.4	16.2	16.1	15.8	14.5	14.1	14.2	14.8	14.7	14.6	-	-	-
29	14.4	16.3	14.6	14.6	15.4	15.2	13.6	14.5	13.6	14.4	14.3	14.2	-	-	-
30	11.4	15.2	13.8	13.2	14.3	14.2	12.4	12.4	12.8	13.6	13.3	13.4	-	-	-
31	11.8	15.0	13.6	12.4	13.6	13.7	12.0	12.0	12.2	13.4	13.0	13.0	-	-	-
Prom.	13.9	16.7	15.6	14.2	15.5	15.5	13.4	13.5	13.8	14.2	14.2	14.3	-	-	-

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	3.2	4.1	3.7	3.2	1	0.0	0.4	0.0	0.7							10547
2	0.0	0.2	0.0	0.0	2	0.3	0.7	0.4	1.5							10546
3					1	0.4	0.5	0.5	1.0	B.15	21.4	20.3	23.9			10553
4	0.0	0.0	0.0	0.0	1	0.0	0.5	0.4	1.4							10555
5					0	0.5	0.6	0.3	1.3							10547
6					0	0.4	0.7	0.5	1.7							10559
7					0	0.5	0.4	1.0	1.7	B.16	20.5	18.6	23.3			10559
8					0	0.3	0.6	0.4	1.6							10550
9					0	0.0	0.5	0.5	1.1							10551
10					0	0.1	1.4	0.8	2.4							10558
11					0	0.2	1.4	0.5	2.3							10567
12	0.0	0.0	0.0	0.0	0	0.4	1.5	0.4	2.1	B.17	18.7	17.5	21.1	20.1	15.5	10568
13					0	0.2	0.7	0.4	1.3							10568
14	-	2.0	1.4	0.8	0	0.2	0.2	0.5	1.1							10568
15					0	0.4	0.8	0.6	2.0							10569
16					0	0.6	1.5	0.9	3.9							10568
17	41.9	49.2	48.0	-	0	1.5	0.8	0.2	1.5							10566
18					2	0.5	1.0	0.5	1.7	B.18	22.1	21.2	22.4			10523
19					2	0.2	1.2	0.7	2.1							10529
20					1	0.2	0.8	0.3	1.3							10522
21					1	0.2	0.8	0.5	1.3							10520
22					0	0.0	0.6	0.6	2.0	B.19	20.8	20.2	22.8			10512
23	0.0	0.0	0.0	0.0	0	0.8	1.2	0.5	2.4							10514
24					0	0.7	1.0	0.6	1.9							10516
25					0	0.3	0.6	0.6	1.7							10503
26	0.0	0.8	0.0	0.0	0	0.5	0.6	0.1	0.8							10503
27	1.3	2.5	1.7	2.0	1	0.1	0.2	0.1	0.6							10494
28	1.1	3.8	2.9	2.4	1	0.3	0.3	0.0	0.6							10505
29					2	0.3	0.5	0.5	1.0	B.20	23.9	21.6	22.2			10511
30					1	0.0	0.5	0.4	1.0							10537
31					1	0.1	0.8	0.7	1.5							10536
Prom.	-	o2.6	57.7	-	-	0.3	0.8	0.5	1.6	-	-	-	-	-	-	10540

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		
-	-	-	19.2	19.2	19.2	21.0	20.5	4.4	Cn. m. t. y n., Ne. m. y t., LL. t. y n.
-	-	-	19.1	19.1	19.0	20.8	20.5	5.2	Cn. m. y t., Ca. n., r. n.
-	-	-	19.0	19.0	19.0	20.6	20.5	2.8	Cn. m. y t., Ca. n., r. n.
-	-	-	18.8	18.8	18.7	20.6	20.5	- 1.0	Cn. m. y t., Ca. n., Ne. Z. m.
-	-	-	18.8	18.8	18.8	20.6	20.5	6.4	Cn. m. t. y n.
-	-	-	18.6	18.6	18.5	20.6	20.4	1.6	Ca. m. y n., Cn. t.
-	-	-	18.4	18.4	18.4	20.5	20.4	4.7	Cn. m. y t., Ca. n., r. m. y n.
-	-	-	18.2	18.2	18.2	20.5	20.4	4.0	Cn. m., Ca. t. y n., r. m., Ns. t. y n.
-	-	-	18.1	18.1	17.9	20.5	20.3	4.1	Ca. m. t. y n., N. m., Ne. t., Ns. n.
-	-	-	17.8	17.9	17.8	20.4	20.3	3.3	Cn. m., Ca. t. y n., N. n.
-	-	-	17.8	18.0	17.8	20.3	20.3	0.6	Ca. m. t. y n., Ns. m., Ne. t., r. n.
-	-	-	17.7	17.7	17.7	20.3	20.3	6.4	Ca. m. y n., Cn. t., r. m., Ne. t.
-	-	-	17.7	17.7	17.7	20.2	20.3	8.9	Cn. m. y t., Ca. n., P. m., Z. m., Ns. t.
-	-	-	17.8	17.8	17.8	20.2	20.3	3.6	Cn. m. y t., Ca. n., Ru. LL. m., Ne. n.
-	-	-	17.8	17.8	17.9	20.0	20.2	12.1	Cn. m. y t., Ca. n., Ns. Jl. n.
-	-	-	17.9	18.0	18.0	20.2	20.5	12.9	Ca. m. t. y n., r. m., R. n.
-	-	-	18.0	18.1	18.0	19.8	20.5	14.8	Cn. m. t. y n., LL. t.
-	-	-	17.9	17.9	17.9	19.5	20.5	6.6	Cn. m., Ca. t. y n., r. Jl. n.
-	-	-	17.9	18.0	17.9	19.6	19.8	- 2.6	Ca. m. t. y n., Ne. h. m.
-	-	-	17.9	18.0	18.0	19.6	19.8	6.7	Ca. m., Cn. t. y n., N. m., Ne. t., Ns. Dl. n.
-	-	-	17.8	17.7	18.0	19.6	19.8	4.7	Cn. m. t. y n., N. m., Ne. t., Ns. Jl. Dl. n.
-	-	-	17.7	17.7	17.7	19.6	20.0	2.8	Cn. m. t. y n., Ne. m., Jl. n.
-	-	-	18.7	18.7	18.7	19.6	20.0	7.8	Cn. m. t. y n., Z. n.
-	-	-	17.6	17.6	17.6	19.5	20.0	- 0.7	Cn. m., Ca. t. y n., r. m. y n., Ns. t.
-	-	-	17.4	17.5	17.4	19.5	19.9	- 2.9	Cn. m. t. y n., Ne. m., Jl. Dl. n.
-	-	-	17.3	17.3	17.3	19.4	19.9	-	Cn. m. t. y n., Z. t. y n.
-	-	-	17.3	17.4	17.4	19.4	19.8	16.1	Cn. m. t. y n., Z. CH. t.
-	-	-	17.4	17.4	17.4	19.4	19.8	12.8	Cn. m. t. y n., LL. m. y r., Z. t.
-	-	-	17.3	17.3	17.3	19.4	19.8	9.6	Cn. m. y t., Ca. n., r. n.
-	-	-	17.3	17.2	17.3	19.3	19.7	- 0.1	Cn. m., Ca. t. y n., N. m., Ne. Ns. n.
-	-	-	17.1	17.1	17.0	19.2	20.0	0.2	Cn. m., Ca. t. y n., r. n.
-	-	-	18.0	18.0	17.7	20.0	20.0	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	61.6	66.8	6	9,10,11	57.1	2	2	11.4	17.5	6.3	21.3	8	15	3.0	4	2-3	5.2	10.5	50
2ª	61.0	65.8	18	12	52.8	17	12	15.7	21.1	10.9	25.4	16	14,15	3.6	19	5-6	5.9	10.2	58
3ª	57.2	67.2	30	10	47.6	26	13,14	13.3	18.1	9.1	22.7	27	13	4.0	25	6-7	3.8	10.0	38
MES	59.8	67.2	30	10	47.6	27	13,14	13.4	18.9	8.8	25.4	16	14,15	3.0	4	2-3	5.0	10.2	48

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	85	100	varios	37	10	8.2	13.5	5.4	S	6	96	5	24	5	10-11 11-12	30	W	10	13.23 13.39	4.3	4.1	1	1.5	1	21-22
2ª	86	100	varios	40	18	11.3	16.5	5.8	N	16	60	17	32	17	9-10 10-11	44	N	17	11.53	51.2	49.2	17	30.0	17	13-14
3ª	87	100	varios	35	24	9.9	20.0	4.4	N	10	48	25	34	26	1-2	46	N	26	01.13	7.1	3.8	28	2.0	28	19-20
MES	86	100	varios	35	24	9.8	20.0	4.4	N	12	96	5	34	26	1-2	46	N	26	01.13	62.6	49.2	17	30.0	17	13-14

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	3	1	2	-	-	1	1	-	-	-	-	-	-	-	-
2ª	5	-	5	1	5	-	-	2	1	-	-	-	-	-	1	2	2
3ª	6	-	4	2	3	-	-	3	2	-	-	-	-	-	1	-	-
MES	16	1	11	4	10	-	-	6	4	-	-	-	-	-	2	2	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	4	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-
2ª	3	-	-	-	-	-	1	-	2	1	-	2	3	-	1	-
3ª	3	-	-	-	-	-	1	-	2	-	-	2	6	-	-	-
MES	10	-	-	-	-	-	2	-	4	1	-	5	11	-	1	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VIII JUNIO 1953 Nº 6

RESUMEN MENSUAL

En los primeros días del mes un anticiclón potente sobre el Atlántico provoca una advección de aire relativamente caliente y húmedo, razón por la cual temperatura y humedad se encuentran en ascenso y con nubosidad variable. Por la tarde del día 4 llega una masa de aire fresco que interrumpe el estado anterior solamente un día. Una segunda y también breve interrupción de este período de tiempo húmedo y caliente produce otro frente frío en la tarde del día 8 sin alterar mayormente el estado general de la situación sinóptica. Por lo tanto toda la década tiene valores de temperatura y humedad sobre los términos medios mensuales registrándose poca insolación solar.

También en la primera mitad de la segunda década el anticiclón atlántico mencionado sostiene su influencia decisiva como fuerza conducente para el desarrollo del tiempo. Sigue la afluencia de masas de aire caluroso y húmedo de origen tropical y en este período temperatura y humedad registran sus valores máximos mensuales con 19.0°C el día 11 la temperatura y con 12.3 mmHg el día 15 la tensión del vapor. En este mismo lapso también la presión atmosférica sube a su nivel más alto con 770.9 mmHg el día 13. El gran cambio de la situación general empieza el día 15 con un primer empuje de aire fresco que produce lluvias copiosas (64.0 mm). Hasta el fin de la década predomina una advección de masas de aire desde el sector SW con temperatura y humedad en descenso y el día 19 se produce la primera temperatura bajo cero en la casilla meteorológica.

Al principio de la última década una corriente del norte permite subir la temperatura y humedad pero sin sobrepasar demasiado sus términos medios. En una zona frontal entre esta aeromasa y aire de origen polar, la presión atmosférica baja a su valor mínimo mensual con 753.0 mmHg el 24. En los días siguientes continúa la afluencia de aire frío, aclara el cielo y la temperatura baja en la mañana del día 26 al valor mínimo mensual que es de -3.3°C en la casilla meteorológica y -7.6°C en la superficie terrestre. En el mismo día la tensión del vapor y la humedad relativa descienden a sus valores mínimos mensuales con 3.4 mmHg y 41% respectivamente. Termina el mes con tiempo inestable, nubosidad muy variable, lluvias durante el día 28 y vientos que giran a todos los sectores de la rosa del viento.

En los promedios mensuales se nota la persistente afluencia de masas de aire caliente y húmedo, ocasionada por el predominio del anticiclón atlántico durante la primera mitad del mes. El promedio mensual de la presión atmosférica es de 1.0 mmHg sobre la normal como también la temperatura y humedad están con 0.7°C y 0.5 mmHg respectivamente sobre sus términos medios. La actividad pluvial produjo el doble de precipitación que cae normalmente en este mes y la fuerte nubosidad se expresa en un 15% menos de heliofanía 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	21	41	34	14	28	41	-	159	159	166	152	131	104	166	138
2	226	213	172	145	117	-	-	-	226	272	193	152	104	83	83
3	62	41	41	34	34	34	48	104	138	104	90	83	90	117	104
4	76	117	172	138	83	138	124	138	152	166	145	97	83	76	83
5	110	104	97	104	90	97	97	97	90	90	104	97	97	104	104
6	69	69	83	83	90	83	97	124	83	90	83	90	97	110	104
7	83	69	69	69	69	69	104	172	172	179	179	138	145	166	138
8	272	-	-	-	-	-	-	272	328	193	145	152	97	76	83
9	124	117	90	104	138	207	193	220	291	233	166	110	69	62	76
10	-	-	-	-	-	-	-	97	69	83	69	62	62	97	90
11	104	117	110	117	152	186	207	200	252	172	124	104	110	97	104
12	-	-	-	-	-	-	-	-	34	97	97	90	83	76	90
13	34	62	69	83	83	69	69	124	159	220	239	172	159	131	104
14	83	76	90	55	48	48	41	34	55	69	90	69	62	62	41
15	172	131	138	104	90	97	104	69	55	62	159	28	- 48	- 21	- 90
16	41	41	28	- 34	- 14	62	69	41	55	69	62	62	104	117	152
17	97	104	104	138	131	179	186	193	179	186	239	226	186	138	117
18	34	55	55	21	21	62	83	83	104	104	104	104	97	97	83
19	83	90	76	97	110	104	166	278	226	159	152	152	138	110	110
20	117	69	76	83	83	97	110	110	152	207	239	284	226	239	193
21	83	90	83	90	97	90	83	90	90	104	138	124	117	110	131
22	55	48	48	55	76	90	97	117	117	131	138	104	83	69	83
23	∞	± ∞	∞	55	97	-	-	-	131	152	83	117	80	69	104
24	-	-	-	-	-	-	-	124	117	28	48	7	-	-	48
25	110	104	97	97	104	104	117	117	166	179	172	131	131	117	117
26	97	110	124	117	145	152	69	207	380	564	471	449	226	272	265
27	179	131	152	172	172	172	152	152	213	239	207	172	138	159	193
28	41	83	69	41	117	48	48	41	62	104	145	166	131	117	138
29	83	62	76	69	62	69	76	14	55	62	104	110	83	90	97
30	152	145	145	166	159	138	138	166	172	166	138	131	145	172	138
31															
Prom.	92.4	90.7	96.2	99.5	98.1	105.9	109.5	143.7	165.1	183.8	180.0	163.3	138.3	141.2	132.3

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	0.63	1.37	1.17	469	352	821	1.33	1.10	1.25
2	0.68	0.53	1.21	1.28	392	227	619	1.73	1.21	1.63
3	0.82	0.63	1.45	1.30	553	447	1000	1.24	1.04	0.98
4	0.66	0.47	1.13	1.40	376	202	578	1.86	1.22	1.63
5	0.54	0.40	0.94	1.35	406	292	698	1.39	0.93	0.96
6	0.61	0.51	1.12	1.20	482	369	851	1.30	0.88	0.97
7	0.53	0.44	0.97	1.20	411	336	747	1.22	0.90	0.92
8	0.59	0.53	1.12	1.10	330	220	550	1.50	1.25	1.68
9	0.80	0.80	1.60	1.00	449	314	763	1.43	1.25	1.78
10	0.64	0.51	1.15	1.25	406	264	670	1.54	1.10	1.35
11	0.78	0.67	1.45	1.17	430	193	623	2.23	1.27	2.45
12	0.93	0.82	1.75	1.13	486	290	776	1.67	1.33	1.98
13	0.73	0.59	1.32	1.24	576	423	999	1.33	0.89	0.98
14	0.90	0.75	1.65	1.20	583	492	1075	1.19	1.30	1.07
15	0.91	0.97	1.88	0.94	528	356	884	1.48	1.20	1.90
16	1.16	1.24	2.40	0.94	710	675	1385	1.05	1.14	1.29
17	0.99	0.72	1.71	1.37	519	1117	1636	0.47	1.34	0.45
18	1.23	1.17	2.40	1.05	901	891	1792	1.01	0.95	0.92
19	0.76	0.63	1.39	1.20	549	584	1133	0.94	0.97	0.76
20	0.61	0.54	1.15	1.13	516	482	998	1.07	0.83	0.78
21	0.83	0.69	1.52	1.20	508	403	911	1.26	1.14	1.20
22	0.77	0.73	1.50	1.05	467	285	752	1.63	1.15	1.79
23	0.79	0.77	1.56	1.03	412	258	670	1.59	1.35	2.09
24	0.92	0.84	1.76	1.10	426	885	1311	0.48	1.50	0.66
25	0.93	0.71	1.64	1.31	-	591	-	-	-	0.84
26	0.53	0.38	0.91	1.39	-	287	-	-	-	0.93
27	0.71	0.55	1.26	1.29	132	363	495	0.36	1.30	1.06
28	1.03	0.90	1.93	1.15	210	289	499	0.73	3.43	2.18
29	0.84	0.64	1.48	1.31	214	346	560	0.62	2.75	1.29
30	0.88	0.66	1.54	1.33	240	414	644	0.58	2.57	1.11
31										
Prom.	0.79	0.68	1.47	1.16	467	399	866	1.17	1.18	1.19

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
117	83	41	-	-	-	-	-	226		322	00	322	0 *
117	193	186	110	83	104	110	104	97		402	- 7	409	1 *
152	152	138	117	124	90	83	69	90	89.1	207	14	193	0
97	104	117	152	138	131	124	131	110	120.5	246	- 97	343	1
152	193	179	166	110	110	138	104	55	112.0	272	- 34	306	1
138	97	179	97	83	117	152	186	131	105.6	233	- 21	254	1
179	179	172	117	83	90	104	124	152	125.9	259	14	245	C
97	104	104	131	145	124	152	193	172		449	28	421	0 *
41	69	62	34	-	-	-	-	-		391	00	391	0 *
104	83	104	124	159	179	259	226	152		284	00	284	0 *
124	179	138	117	97	-	-	-	-		322	48	274	0 *
90	55	76	97	69	62	110	83	131		186	- 28	214	1 *
110	97	131	159	97	90	90	90	69	112.9	297	- 21	318	1
41	-	-	-	-	-	-	-	-		124	14	110	0 *
- 48	34	41	- 21	62	62	159	172	34		284	-145	429	2
138	110	145	152	131	124	124	117	104		460	-406	866	2
138	138	124	124	110	138	138	69	83	144.4	297	21	276	0
97	97	110	90	90	97	110	110	104	83.8	131	- 34	165	1
117	193	233	374	328	226	131	131	172	164.8	617	55	562	0
226	246	272	233	172	145	110	104	90	161.8	380	28	352	0
284	304	284	291	304	200	159	131	59	147.8	495	34	461	0
110	172	220	48	± ∞	± ∞	± ∞	± ∞	± ∞		∞	- ∞	-	3 *
97	83	172	213	179	159	284	357	391		∞	- ∞	-	3 *
62	83	76	97	41	97	110	159	131		193	-179	372	2 *
124	124	138	186	145	110	104	90	90	123.9	220	76	144	0
259	322	297	310	322	265	259	226	186	253.9	728	- 97	825	1
226	239	265	291	272	186	124	90	55	181.3	333	00	333	0
138	124	41	55	69	83	83	138	131		426	-253	679	2
104	110	97	117	152	259	- 14	179	186		333	-224	557	2
138	124	131	138	138	145	138	124	90	143.2	220	41	179	0
162.5	173.9	184.7	189.7	167.7	142.7	130.9	118.6	103.1	138.1				

IONES PESADOS número "N" por cm³				CORRIENTE VERTICAL "1" . 10^{-7} U.E.S.	NÚCLEOS AITKEN
N^+	N^-	$N^+ + N^-$	N^+ / N^-	por cm²	por cm³
8148	9080	17228	0.90	-	29,750
12567	10319	12886	1.22	-	23,000
5461	5349	10810	1.02	4.31	10,250
9011	9189	18200	0.98	4.54	-
12706	12021	24727	1.06	3.51	19,750
10942	10841	21783	1.01	3.95	20,500
11216	12544	26760	0.90	4.07	44,500
8368	8441	16809	0.99	-	12,500
5378	5868	11246	0.91	-	13,250
4072	4522	8594	0.90	-	26,500
6430	6878	13308	0.93	-	17,500
3776	4038	7814	0.94	-	-
8226	8784	17010	0.93	4.96	-
5154	5570	10724	0.92	-	16,500
5233	5382	10615	0.97	-	9,000
1718	2729	4447	0.63	-	10,000
2692	2765	5457	0.98	8.24	9,250
4875	2952	7827	0.65	6.72	7,500
5910	6242	12152	0.95	7.63	9,500
6096	6430	12526	0.95	6.18	7,750
6989	6541	13530	1.07	7.47	6,250
7548	6838	14386	1.10	-	10,000
5069	5887	10956	0.86	-	-
5640	5856	11496	0.96	-	12,750
3441	3888	7329	0.88	6.76	20,750
10634	10814	21448	0.98	7.68	38,000
5267	5262	10529	1.00	7.62	13,250
6392	7070	13462	0.90	-	8,500
4751	6217	10968	0.76	-	2,750
5010	5046	10056	0.99	7.36	13,750
6616	6778	13394	0.98	6.07	15,885

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	0.64	0.62	0.66	0.52	0.54	0.90	1.00	0.73	1.03	1.01	1.07	1.12
2	0.46	0.57	0.58	0.68	0.84	0.72	0.68	0.54	0.68	0.83	0.79	0.86
3	0.79	0.93	0.78	0.84	0.78	0.72	0.71	0.75	0.66	0.82	0.82	0.96
4	0.82	0.69	0.67	0.66	0.70	0.50	0.49	0.52	0.52	0.60	0.63	0.88
5	0.62	0.61	0.67	0.80	0.85	0.62	0.49	0.53	0.39	0.32	0.40	0.66
6	0.96	0.84	0.74	0.72	0.90	0.79	0.63	0.45	0.47	0.53	0.78	0.76
7	0.77	0.79	0.80	0.90	0.96	0.87	0.77	0.58	0.42	0.34	0.38	0.50
8	0.29	0.42	0.34	0.35	0.38	0.21	0.35	0.36	0.67	0.56	0.62	0.59
9	0.71	0.85	0.90	1.04	1.02	0.52	0.59	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	0.95
11	0.66	0.66	0.56	0.58	0.60	0.65	0.66	0.54	0.68	0.82	1.56	1.13
12	0.95	0.44	0.60	0.66	0.86	1.10	0.67	0.74	0.76	0.82	0.92	0.90
13	1.47	1.10	1.12	1.32	1.34	1.08	0.95	0.78	0.58	0.52	0.44	0.30
14	0.89	0.90	0.96	1.16	1.12	1.36	1.19	1.00	1.06	0.88	0.87	1.10
15	0.50	0.54	0.73	0.76	0.76	0.60	0.52	0.61	1.21	1.26	0.99	1.06
16	1.64	1.64	0.81	0.78	1.30	1.24	1.04	1.32	1.08	1.09	1.04	1.13
17	1.56	1.46	1.31	1.02	0.91	0.62	0.45	0.66	1.22	1.24	0.99	0.76
18	1.38	1.51	1.46	1.48	1.46	1.54	1.50	1.44	1.38	1.26	1.25	1.15
19	1.07	0.90	1.08	0.82	0.96	1.15	0.81	0.45	0.60	0.82	0.89	0.80
20	0.62	0.68	0.70	0.54	0.49	0.68	0.60	0.58	0.70	0.67	0.59	0.56
21	1.03	0.99	0.82	0.92	1.44	1.45	1.71	0.58	0.78	0.80	0.77	0.88
22	0.91	1.11	1.14	0.92	0.70	0.60	-	0.58	0.48	0.69	0.71	0.86
23	1.00	0.76	0.26	1.45	0.90	0.58	0.65	0.76	0.79	-	-	-
24	-	-	-	-	-	-	-	0.62	0.80	0.82	0.86	1.02
25	0.97	1.05	1.11	1.13	1.08	0.99	0.98	0.90	0.80	0.73	0.62	0.74
26	-	-	-	-	-	-	-	-	0.40	0.43	0.46	0.52
27	0.60	0.73	0.82	0.93	0.74	0.87	1.06	0.79	0.66	0.61	0.69	0.80
28	0.80	0.93	1.31	1.19	1.32	0.89	0.76	-	-	-	-	-
29	-	-	-	-	-	-	-	1.26	1.36	1.01	1.04	1.12
30	0.33	0.58	0.71	0.63	0.74	0.71	0.79	0.80	0.96	0.87	1.02	1.10
31												
Promedio	0.86	0.86	0.83	0.88	0.91	0.84	0.80	0.72	0.78	0.78	0.82	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	0.44	0.45	0.40	0.38	0.42	0.38	1.08	0.75	0.97	1.07	0.96	0.94
2	0.36	0.43	0.43	0.45	0.63	0.52	0.50	0.43	0.56	0.56	0.50	0.82
3	0.69	0.78	0.64	0.73	0.54	0.52	0.49	0.56	0.52	0.62	0.69	0.73
4	0.52	0.46	0.36	0.48	0.45	0.40	0.36	0.39	0.39	0.39	0.40	0.70
5	0.39	0.46	0.46	0.51	0.53	0.46	0.30	0.38	0.27	0.24	0.33	0.58
6	0.80	0.76	0.73	0.60	0.74	0.58	0.45	0.34	0.40	0.46	0.72	0.69
7	0.66	0.66	0.70	0.78	0.83	0.72	0.53	0.40	0.31	0.34	0.37	0.42
8	0.25	0.29	0.21	0.23	0.32	0.25	0.25	0.27	0.46	0.40	0.62	0.46
9	0.73	0.64	0.99	1.12	0.78	0.58	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	0.78
11	0.51	0.54	0.44	0.56	0.46	0.46	0.51	0.40	0.56	1.26	1.07	1.03
12	0.79	0.54	0.80	0.72	1.06	1.02	0.54	0.58	0.61	0.90	0.68	0.77
13	1.38	0.95	1.00	1.01	0.96	0.74	0.67	0.51	0.44	0.38	0.33	0.30
14	0.72	0.58	0.70	0.98	1.05	1.00	1.11	0.74	0.88	0.78	0.83	1.06
15	0.47	0.42	0.55	0.65	0.65	0.44	0.44	0.84	1.20	1.33	0.78	1.22
16	2.18	1.96	1.76	1.92	1.96	1.04	1.44	1.60	1.02	1.09	1.52	1.19
17	1.29	0.92	0.92	0.53	0.62	0.44	0.38	0.58	0.92	0.74	0.54	0.46
18	1.58	1.53	1.39	1.53	1.64	1.54	1.68	1.36	1.20	1.12	1.03	1.12
19	1.02	0.69	0.91	0.73	1.00	0.76	0.36	-	0.60	0.72	0.74	0.69
20	0.56	0.58	0.56	0.60	0.56	0.49	0.58	0.55	0.69	0.60	0.48	0.50
21	1.14	0.96	0.43	0.96	1.12	0.92	1.49	0.56	0.60	0.64	0.70	0.74
22	0.90	1.02	0.82	1.06	0.78	1.08	-	0.42	0.40	0.53	0.55	0.67
23	0.94	0.70	0.93	1.37	0.72	0.44	0.46	0.64	0.73	-	-	-
24	-	-	-	-	-	-	-	0.64	0.77	0.77	0.90	1.12
25	0.63	0.75	0.78	0.82	0.80	0.74	0.72	0.66	0.50	0.60	0.69	0.74
26	-	-	-	-	-	-	-	0.29	0.25	0.32	0.27	0.32
27	0.46	0.52	0.47	0.47	0.56	0.60	0.76	0.64	0.55	0.50	0.62	0.64
28	0.67	0.88	1.04	1.04	0.95	0.84	-	-	-	-	-	-
29	-	-	-	-	-	-	-	1.33	0.92	0.90	0.72	0.85
30	0.27	0.48	0.34	0.28	0.40	0.48	0.44	0.48	0.72	0.76	0.84	0.92
31												
Promedio	0.78	0.73	0.72	0.79	0.79	0.67	0.68	0.63	0.64	0.69	0.69	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
1.17	0.76	0.63	0.60	0.51	0.60	0.82	0.76	0.68	0.54	0.50	0.40	0.74
1.08	1.11	1.08	0.82	0.57	0.48	0.41	0.43	0.52	0.52	0.56	0.59	0.68
1.09	1.18	0.95	0.84	0.76	0.67	0.74	0.68	0.90	0.87	0.81	0.67	0.82
1.00	0.92	0.86	0.66	0.68	0.69	0.54	0.56	0.64	0.56	0.56	0.56	0.66
0.63	0.55	0.58	0.61	0.50	0.36	0.35	0.34	0.37	0.37	0.41	0.82	0.54
0.94	0.61	0.53	0.59	0.60	0.45	0.33	0.45	0.36	0.36	0.30	0.50	0.61
0.48	0.52	0.38	0.41	0.44	0.47	0.32	0.37	0.42	0.36	0.26	0.29	0.53
0.84	1.12	0.97	0.96	0.58	0.69	0.52	0.59	0.72	0.74	0.70	0.69	0.59
-	-	-	-	-	-	-	-	-	-	-	-	0.80
1.06	0.63	0.72	0.66	0.76	0.84	0.41	0.38	0.32	0.43	0.54	0.57	0.64
1.04	1.09	0.86	0.82	0.43	0.50	0.49	0.66	1.00	1.22	0.62	1.02	0.78
0.96	1.06	1.01	1.07	0.99	1.17	1.03	0.93	0.99	0.79	1.39	1.43	0.93
0.50	0.58	0.66	0.61	0.53	0.43	0.38	0.36	0.42	0.56	0.70	0.82	0.73
1.04	1.14	1.25	0.92	0.69	0.72	0.70	0.63	0.58	0.53	0.45	0.48	0.90
1.20	1.10	0.83	0.75	1.36	0.79	0.77	0.94	0.83	1.03	1.41	1.32	0.91
1.28	1.02	0.84	1.16	1.04	0.95	1.10	1.15	1.14	1.13	1.34	1.52	1.16
0.71	0.90	0.91	1.06	1.14	1.06	0.96	0.93	0.80	0.84	1.06	1.24	0.99
1.17	1.20	1.17	1.14	1.18	1.12	1.13	1.04	0.92	0.71	0.88	1.12	1.23
0.75	0.84	0.86	1.03	0.80	0.52	0.46	0.44	0.40	0.48	0.62	0.50	0.76
0.65	0.79	0.80	0.76	0.57	0.50	0.46	0.41	0.58	0.58	0.59	0.54	0.61
0.91	1.14	1.08	0.56	0.44	0.47	0.38	0.37	0.44	0.62	0.52	0.76	0.83
1.04	0.95	0.82	0.76	0.56	0.50	0.79	0.72	0.81	0.58	0.70	0.80	0.77
-	-	-	-	-	-	-	-	-	-	-	-	0.79
1.10	1.00	1.09	1.18	1.00	1.00	0.86	0.78	0.92	0.84	0.84	0.83	0.92
0.94	0.78	0.84	0.97	1.12	0.97	-	-	-	-	-	-	0.93
0.61	0.64	0.57	0.66	0.65	0.40	0.50	0.46	0.52	0.48	0.52	0.66	0.53
0.98	1.04	0.78	0.71	0.56	0.41	0.40	0.46	0.53	0.54	0.68	0.66	0.71
-	-	-	-	-	-	-	-	-	-	-	-	1.03
1.20	1.27	1.00	1.00	0.95	0.68	0.50	0.52	0.39	0.33	0.34	0.33	0.84
1.04	0.80	0.89	1.14	1.00	0.95	0.91	0.91	0.92	1.04	0.93	1.22	0.88
0.94	0.92	0.85	0.83	0.76	0.68	0.62	0.62	0.66	0.66	0.70	0.78	0.79

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
0.99	0.58	0.52	0.67	0.54	0.48	0.74	0.62	0.52	0.40	0.42	0.32	0.63
1.10	0.90	0.88	0.65	0.40	0.38	0.32	0.30	0.38	0.39	0.34	0.43	0.53
0.98	0.94	0.80	0.64	0.53	0.57	0.50	0.47	0.53	0.60	0.49	0.56	0.63
0.80	0.74	0.69	0.50	0.51	0.42	0.36	0.40	0.40	0.40	0.40	0.39	0.47
0.56	0.48	0.48	0.48	0.40	0.32	0.29	0.27	0.33	0.30	0.33	0.55	0.40
0.78	0.50	0.48	0.53	0.46	0.33	0.23	0.36	0.30	0.30	0.27	0.42	0.51
0.42	0.44	0.30	0.34	0.34	0.34	0.24	0.30	0.33	0.30	0.22	0.22	0.44
0.69	0.84	0.78	0.76	0.47	0.45	0.84	0.98	0.68	0.73	0.88	0.71	0.53
-	-	-	-	-	-	-	-	-	-	-	-	0.80
0.88	0.55	0.62	0.53	0.69	0.48	0.34	0.32	0.28	0.36	0.39	0.42	0.51
0.96	0.98	0.65	0.38	0.32	0.46	0.50	0.45	1.04	0.90	0.60	0.99	0.67
0.96	0.91	0.72	0.93	0.72	0.96	0.58	0.81	0.90	0.65	1.37	1.32	0.82
0.44	0.50	0.56	0.50	0.44	0.38	0.32	0.32	0.40	0.48	0.50	0.62	0.59
0.97	1.09	0.97	0.64	0.64	0.60	0.53	0.48	0.50	0.48	0.36	0.38	0.75
1.38	1.40	1.29	1.04	1.27	1.00	0.78	1.32	0.88	1.24	1.42	1.37	0.97
1.20	0.97	0.63	1.03	0.91	0.76	0.78	0.72	0.97	0.84	1.02	1.14	1.24
0.55	0.78	0.74	0.69	0.80	0.82	0.82	0.65	0.38	0.68	1.02	1.12	0.72
1.14	1.11	1.02	1.00	1.00	0.87	0.90	0.96	0.82	0.80	0.80	0.85	1.17
0.76	0.73	0.86	0.82	0.54	0.32	0.31	0.30	0.30	0.42	0.51	0.44	0.63
0.62	0.78	0.80	0.58	0.40	0.36	0.32	0.36	0.40	0.43	0.59	0.62	0.54
0.87	0.96	0.71	0.42	0.36	0.37	0.32	0.32	0.39	0.54	0.46	0.68	0.69
0.90	0.82	0.66	0.56	0.42	0.52	0.58	0.69	1.72	0.56	0.68	1.12	0.73
-	-	-	-	-	-	-	-	-	-	-	-	0.77
1.03	1.06	1.07	1.15	0.92	0.86	0.75	0.78	0.72	0.61	0.54	0.56	0.84
0.80	0.64	0.65	0.86	0.86	0.62	-	-	-	-	-	-	0.71
0.53	0.55	0.48	0.55	0.38	0.36	0.40	0.25	0.25	0.29	0.39	0.50	0.38
0.94	0.78	0.58	0.50	0.37	0.32	0.32	0.34	0.44	0.60	0.60	0.58	0.55
-	-	-	-	-	-	-	-	-	-	-	-	0.90
0.98	1.00	0.78	0.74	0.60	0.36	0.32	0.32	0.32	0.27	0.27	0.27	0.64
0.90	0.72	0.82	0.99	0.84	0.65	0.56	0.62	0.58	0.72	0.81	1.17	0.66
0.86	0.80	0.72	0.68	0.60	0.53	0.50	0.53	0.57	0.55	0.60	0.68	0.68

IONES LIVIANOS POSITIVOS "n+" por cm³

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	347	434	347	347	260	260	347	347	521	608	868	1115
2	260	260	347	347	347	347	347	260	347	347	695	782
3	434	521	434	434	434	347	347	434	521	521	608	868
4	434	347	434	347	260	260	260	260	260	347	347	608
5	347	347	347	521	434	347	260	260	260	260	440	782
6	788	608	608	608	521	608	478	347	347	347	955	782
7	521	707	707	614	695	707	521	260	347	434	521	521
8	174	260	260	174	174	174	174	174	174	217	347	347
9	347	434	521	521	521	260	434	347	434	347	434	521
10	347	347	434	434	707	521	521	521	434	434	347	521
11	347	347	347	347	260	347	347	347	434	434	608	868
12	521	390	347	260	347	347	347	347	347	608	434	434
13	1035	949	1035	1035	782	707	707	521	608	434	260	260
14	707	707	868	782	782	868	707	707	707	608	608	707
15	260	260	347	347	347	347	260	347	608	782	782	434
16	1075	608	695	871	735	707	707	707	608	521	868	707
17	782	647	521	434	434	260	260	347	707	707	570	347
18	868	955	955	831	868	955	955	1035	955	955	1194	1194
19	608	521	608	521	521	608	434	347	434	707	707	831
20	347	347	434	434	347	434	434	347	477	868	782	707
21	521	521	521	608	521	521	478	347	434	434	868	868
22	434	608	521	608	608	347	434	347	347	347	434	608
23	521	434	347	782	521	347	347	260	347	260	260	434
24	434	608	608	521	608	608	521	347	434	347	347	434
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	86	86	86	174	174
28	86	174	260	347	260	260	86	-	-	-	-	-
29	86	174	260	260	260	174	174	347	260	174	174	260
30	-	-	-	-	-	-	-	86	174	174	347	521
31												
Promedio	486	481	504	513	483	449	419	373	430	456	555	616

IONES LIVIANOS NEGATIVOS "n-" por cm³

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	150	75	150	226	226	150	226	312	452	902	1250
2	226	226	150	226	226	226	312	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	905
4	226	150	150	150	150	150	150	150	150	150	150	339
5	150	150	150	150	150	150	150	150	226	150	527	828
6	526	376	376	376	312	376	312	226	226	231	979	752
7	376	376	527	489	602	451	419	226	226	382	526	451
8	75	75	75	75	75	150	150	150	75	150	150	150
9	150	226	226	226	226	226	312	312	226	226	226	376
10	226	312	376	226	301	526	226	339	300	312	312	312
11	226	226	226	226	150	150	150	-	-	-	-	-
12	-	-	-	-	-	-	150	150	150	263	150	226
13	976	754	828	639	312	312	312	150	226	226	150	376
14	451	376	451	526	602	676	639	602	676	602	752	905
15	150	150	150	150	226	226	312	451	752	828	526	-
16	-	-	-	-	-	-	-	-	602	526	1120	752
17	-	-	-	-	-	-	-	-	-	-	-	-
18	1250	1250	1184	1184	1184	1052	976	1120	976	976	1390	1390
19	312	226	269	226	226	231	231	905	1250	1120	1052	1052
20	312	312	376	312	312	312	312	570	457	976	714	1068
21	451	451	376	451	376	312	312	312	312	457	976	905
22	150	376	419	376	226	150	226	150	150	150	312	451
23	-	-	-	-	-	-	150	226	226	312	312	376
24	-	-	-	-	-	-	-	-	602	676	905	976
25	602	451	526	312	526	312	376	312	312	526	789	1188
26	-	-	-	-	-	-	-	226	150	226	226	676
27	312	150	150	226	226	376	376	312	312	602	676	752
28	752	905	905	752	457	-	226	150	150	150	150	150
29	226	376	312	376	451	312	226	602	451	451	451	602
30	150	75	75	75	150	150	150	150	226	376	676	1188
31												
Promedio	366	353	363	344	335	320	292	340	374	442	581	708

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
1115	707	521	521	434	434	347	260	347	260	260	260	469
707	782	707	347	347	260	260	174	260	260	260	347	392
1035	860	868	707	521	434	521	434	521	521	521	434	553
521	521	608	434	347	347	347	347	347	347	347	347	376
707	707	608	521	434	347	260	260	174	174	260	695	406
707	521	608	521	434	260	260	174	260	174	260	391	452
521	521	347	260	347	260	174	174	174	174	174	174	411
434	608	707	707	434	478	347	347	347	260	260	347	330
707	521	521	521	521	521	521	434	521	260	347	260	449
521	434	347	347	434	434	347	260	260	260	260	260	406
782	782	608	434	347	260	260	260	260	260	521	521	430
521	521	521	608	521	521	434	347	434	347	1035	1115	486
434	521	608	707	608	521	260	260	260	260	521	521	576
707	707	608	521	434	434	434	347	347	174	260	260	583
434	608	527	434	868	434	434	578	608	707	955	955	528
782	707	521	707	608	707	608	608	707	707	782	782	710
347	434	608	521	608	521	521	521	521	521	608	707	519
1194	1035	955	868	868	782	782	782	707	521	707	707	901
868	955	868	782	521	347	347	260	347	347	347	347	549
955	1035	868	707	347	347	347	260	347	434	347	434	516
955	955	868	347	347	260	260	260	260	347	260	434	508
608	608	521	521	347	347	260	260	707	521	434	434	467
608	434	521	521	347	347	347	347	434	434	347	347	412
434	434	521	521	434	434	260	347	260	174	174	-	426
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
260	260	174	174	86	86	86	86	86	86	174	86	132
-	-	-	-	-	-	-	-	-	-	-	-	210
260	260	174	174	174	-	-	-	-	-	-	-	214
434	260	260	260	260	174	174	174	174	174	174	260	240
650	618	577	507	444	396	354	329	372	335	408	457	467

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
1188	639	451	376	312	226	150	150	150	226	150	150	352
-	-	-	-	-	-	-	-	-	-	-	-	227
1052	905	828	527	226	226	226	188	150	150	226	226	449
451	451	376	226	150	226	150	150	150	150	150	150	202
676	676	602	376	312	150	226	75	150	150	226	451	292
677	451	602	382	312	312	75	150	150	226	150	312	369
489	564	376	150	150	150	226	150	150	226	226	150	336
338	521	707	608	312	312	150	226	150	312	226	75	220
526	376	312	376	312	451	312	526	526	226	269	376	314
451	226	226	226	312	150	226	150	150	150	150	150	264
-	-	-	-	-	-	-	-	-	-	-	-	193
228	75	75	226	150	226	226	226	376	226	1052	1052	290
451	602	676	602	376	226	226	226	226	376	312	602	423
828	828	602	376	312	312	226	226	226	226	150	226	492
-	-	-	-	-	-	-	-	-	-	-	-	356
526	526	-	-	-	-	-	-	-	-	-	-	675
-	-	-	-	-	-	-	1250	1120	1052	1188	976	1117
1250	1052	976	828	676	451	376	451	376	312	376	312	891
976	976	974	526	526	608	526	451	451	376	312	226	584
1052	976	752	457	226	312	226	312	226	312	376	312	482
976	828	526	226	226	226	226	150	150	150	150	150	403
451	376	312	-	-	-	-	-	-	-	-	-	285
451	376	376	312	150	150	150	150	75	226	376	-	258
1795	1320	752	976	1052	976	828	752	676	752	602	526	885
1250	976	715	676	451	338	-	-	-	-	-	-	591
752	602	376	150	226	226	226	150	150	150	226	150	287
676	526	526	312	226	150	150	226	312	451	312	376	363
312	312	312	150	75	150	150	150	75	75	75	75	289
676	752	376	312	226	150	150	150	150	226	150	150	346
976	752	828	752	526	312	312	226	226	312	526	752	414
749	641	545	422	326	292	250	286	273	293	332	344	399

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	6295	5380	3585	4490	6295	8950	6295	7180	4490	4490	3585	2690
2	14350	12590	35000	18870	8950	8060	8950	15250	20700	11690	4490	5380
3	4490	3585	3585	3585	4490	6295	6295	7180	7180	9860	5380	11690
4	6295	8950	8060	8950	9860	15250	15250	12590	12590	11690	7180	5380
5	20700	8960	6295	2690	3585	6295	8060	8950	14350	29600	21520	7180
6	2690	4490	4490	4490	3585	4490	8060	9860	8950	7180	3585	4490
7	4490	4490	3585	2690	3585	4490	4490	10770	12590	11690	9860	7180
8	17050	9860	8950	8060	13430	16130	13430	11690	5380	2690	4490	4490
9	8060	7180	6295	7180	8060	9860	8950	8950	8060	5380	4490	4490
10	2690	2690	1795	1795	1795	1795	1795	898	2690	1795	3585	2690
11	1795	2690	3585	2690	3585	4490	4490	6295	6295	4490	2690	2690
12	3585	2690	2690	6295	4490	2690	3585	2690	4490	2690	8060	3585
13	1795	1795	2690	2690	2690	3585	3585	4490	7180	10770	15250	17050
14	5380	5380	4490	2690	2690	2690	2690	2690	2690	2690	2690	2690
15	10770	8060	6295	5380	5380	6295	6295	3585	2690	2690	7180	4490
16	898	898	1795	1795	898	2690	2690	898	2690	1795	1795	2690
17	898	898	1795	1795	2690	4490	7180	7180	1795	898	898	9860
18	898	898	898	898	898	898	898	898	11690	1795	2690	8950
19	2690	3585	2690	2690	3585	4490	3585	5380	4490	4490	4490	5380
20	4490	4490	3585	5380	5380	4490	5380	6295	5380	8060	9860	9860
21	3585	3585	3585	3585	4490	3585	5380	8060	6295	4490	4490	4490
22	3585	2690	2690	2690	4490	5380	7180	8060	8950	7180	6295	4490
23	4490	13430	10770	2690	2690	4490	3585	3585	3585	3585	4490	2690
24	-	-	-	-	-	-	-	13430	8060	8950	7180	8950
25	1795	1795	1795	1795	1795	2690	1795	2690	4490	4490	4490	5380
26	-	-	-	-	-	-	-	18870	13430	8950	8950	6295
27	4490	4490	3585	4490	3585	4490	-	4490	5380	5380	4490	4490
28	4490	2690	2690	2690	2690	6295	8060	9860	8950	12590	11690	9860
29	1795	898	1795	898	898	1795	2690	2690	1795	1795	1795	1795
30	16130	5380	2690	4490	4490	4490	4490	4490	4490	4490	3585	3585
31												
Promedio	5738	4772	5063	4230	4323	5416	5746	6998	7060	6611	6041	5831

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	3585	4490	5380	8950	8060	7180	8950	4490	4490	4490	3585
2	15250	11690	11690	10770	8950	11690	14350	15250	11690	9860	6295	3585
3	4490	3585	3585	4490	5380	5380	7180	7180	10770	6295	4490	4490
4	14350	9860	9860	8950	14350	14350	15250	14350	12590	8060	7180	3585
5	7180	6295	4490	3585	5380	6295	9860	20350	17950	28730	7180	6295
6	4490	4490	6295	4490	5380	6295	8950	13430	11690	6295	4490	5380
7	5380	5380	3585	5380	2690	4490	6295	13430	13430	10770	10770	8060
8	15250	8060	8950	13430	15250	15250	13430	8950	4490	4490	3585	6295
9	7180	8060	8060	9860	7180	13430	9860	11690	7180	6295	6295	3585
10	2690	2690	2690	1795	1795	1795	1795	1795	1795	2690	3585	3585
11	2690	3585	3585	3585	4490	3585	5380	4490	6295	5380	3585	2690
12	3585	3585	2690	2690	4490	3585	3585	4490	4490	6295	5380	4490
13	1795	4490	1795	3585	3585	4490	3585	5380	9860	12590	17950	10770
14	6295	7180	3585	3585	2690	2690	2690	3585	3585	3585	4490	2690
15	10770	8060	6295	6295	6295	7180	5380	4490	3585	3585	4490	4490
16	1795	2690	4490	2690	3585	4490	4490	2690	1795	2690	4490	2690
17	1795	1795	1795	2690	2690	5380	8950	4490	1795	1795	3585	2690
18	1795	1795	1795	1795	898	1795	1795	1795	1795	2690	2690	4490
19	3585	3585	3585	4490	3585	3585	8060	7180	5380	6295	3585	2690
20	5380	4490	4490	4490	5380	7180	5380	5380	15250	11690	8060	10770
21	3585	3585	3585	2690	2690	2690	3585	5380	6295	4490	3585	3585
22	3585	2690	3585	2690	2690	5380	6295	8950	9860	7180	5380	3585
23	8950	14350	10770	1795	3585	3585	5380	3585	4490	5380	4490	3585
24	-	-	-	-	-	-	-	11690	8060	9860	7180	8950
25	3585	1795	1795	1795	2690	2690	3585	3585	4490	4490	2690	6295
26	-	-	-	-	-	-	-	13430	16130	9860	6295	8060
27	4490	3585	3585	3585	4490	-	-	6295	5380	6295	4490	2690
28	4490	2690	2690	3585	2690	8060	11690	12590	11690	13430	10770	11690
29	1795	1795	1795	1795	1795	3585	2690	1795	2690	3585	2690	2690
30	13430	4490	2690	3585	4490	4490	5380	5380	4490	4490	3585	4490
31												
Promedio	5894	4998	4582	4484	4933	5980	6742	7734	7449	7121	5594	5084

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
1795	6295	9860	9860	9860	9860	10770	13430	12590	16130	16130	15250	8148
-	2690	2690	4490	20700	24200	17950	17050	11690	8950	7180	7180	12567
2690	2690	2690	3585	5380	4490	4490	6295	4490	6295	8060	6295	5461
2690	7180	-	16130	6295	7180	8060	7180	6295	8950	6295	8950	9011
7180	8950	6295	8060	9860	17050	21520	22400	22400	24200	15250	4490	12706
4490	18870	7180	20350	14350	11690	20700	24200	22400	24200	17950	9860	10942
8060	9860	11690	13430	14350	13430	16130	16130	16130	20700	26000	23360	11216
2690	1795	1795	2690	5380	17950	10770	9860	7180	8060	8950	8060	8368
2690	1795	1795	1795	3585	2690	2690	2690	2690	8950	8060	2690	5378
1795	4490	3585	3585	2690	3585	8950	10770	16130	8060	4490	3585	4072
2690	2690	3585	4490	8060	13430	17050	20700	13430	13430	6295	2690	6430
2690	2690	2690	1795	4490	2690	4490	5380	6295	6295	1795	1795	3776
8060	8060	6295	7180	8060	10770	14350	20700	17050	9860	6295	7180	8226
3585	2690	9860	1795	13430	5380	6295	7180	8060	8950	8950	8060	5154
3585	2690	8060	3585	3585	7180	8950	4490	7180	3585	1795	1795	5233
898	1795	3585	1795	1795	1795	1795	1795	1795	898	898	898	1718
2690	1795	898	1795	1795	2690	898	4490	2690	2690	898	898	2692
2690	4490	2690	3585	-	8950	15250	15250	13430	4490	6295	2690	4875
4490	5380	4490	3585	5380	11690	12590	15250	11690	7180	5380	7180	5910
5380	4490	4490	4490	7180	11690	6295	7180	6295	5380	6295	4490	6096
3585	2690	4490	9860	14350	14350	13430	15250	11690	9860	7180	5380	6989
2690	2690	5380	4490	8950	10770	14350	21520	17050	8950	10770	9860	7548
2690	2690	2690	1795	2690	3585	6295	5380	4490	8950	15250	-	5069
8060	10770	2690	2690	3585	3585	3585	2690	2690	1795	3585	3585	5640
4490	4490	4490	4490	4490	4490	-	-	-	-	-	-	3441
8950	9860	8950	8060	20350	17050	13430	8950	9860	8060	5380	5380	10634
2690	2690	8060	2690	6295	8950	11690	9860	6295	4490	3585	4490	5267
8060	4490	4490	4490	4490	6295	6295	13430	8060	4490	3585	2690	6392
1795	1795	898	1795	2690	4490	7180	7180	11690	16130	18870	18870	4751
4490	7180	5380	4490	5380	4490	4490	4490	5380	4490	4490	2690	5010
4081	5024	4888	5431	7569	8882	10025	11075	9900	9120	8136	6441	6616

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	8060	9860	10770	10770	9860	13430	13430	15250	18870	17950	17950	9080
2690	2690	2690	7180	10770	22400	17050	16130	9860	10770	7180	7180	10319
3585	2690	2690	4490	5380	7180	4490	6295	4490	6295	6295	7180	5349
3585	3585	4490	7180	5380	13430	8950	7180	8950	8060	8950	8060	9189
8060	8950	7180	8950	11690	17050	22400	22400	24200	22400	8060	3585	12021
5380	7180	8060	8950	10770	17050	20700	26000	24200	27800	15250	7180	10841
9860	11690	14350	14350	14350	15250	20350	17950	17050	26000	27800	22400	12544
2690	2690	2690	4490	8950	8060	11690	8060	8060	9860	9860	8060	8441
2690	2690	1795	3585	4490	3585	1795	2690	2690	8060	4490	3585	5868
2690	4490	3585	3585	4490	3585	12590	16130	16130	4490	4490	3585	4522
3585	3585	4490	4490	10770	15250	21520	17950	14350	10770	5380	3585	6878
2690	2690	2690	1795	2690	3585	3585	9860	6295	6295	2690	2690	4038
8950	8060	7180	8950	9860	14350	17050	20700	13430	8060	8060	6295	8784
3585	2690	2690	4490	5380	6295	8950	8060	12590	9860	9860	12590	5570
3585	3585	3585	5380	5380	8950	5380	5380	8950	3585	2690	1795	5382
1795	1795	4490	1795	2690	2690	2690	1795	1795	1795	1795	1795	2729
2690	1795	1795	1795	2690	2690	1795	2690	3585	1795	1795	1795	2765
3585	3585	3585	3585	3585	3585	3585	4490	4490	5380	3585	2690	2952
4490	4490	2690	2690	4490	10770	13430	14350	12590	9860	7180	7180	6242
4490	4490	3585	4490	8060	8060	7180	7180	5380	4490	4490	4490	6430
3585	1795	4490	8060	10770	13430	17050	15250	11690	11690	8060	5380	6541
3585	4490	5380	6295	9860	12590	13430	15250	5380	8950	9860	7180	6838
3585	3585	2690	2690	4490	5380	8950	4490	6295	8950	14350	-	5887
14350	4490	3585	3585	3585	3585	3585	3585	2690	2690	3585	4490	5856
4490	5380	8060	4490	4490	3585	-	-	-	-	-	-	3888
9860	10770	8060	13430	20700	17050	8950	8950	13430	7180	5380	6295	10814
2690	2690	6295	4490	7180	11690	8060	8060	5380	3585	5380	5380	5262
5380	5380	6295	6295	4490	7180	8060	11690	7180	5380	3585	2690	7070
2690	1795	1795	2690	2690	8060	8060	12590	13430	26000	20350	20350	6217
5380	8060	4490	5380	6295	4490	5380	5380	5380	4490	3585	1795	5046
4632	4664	4844	5680	7240	9357	10349	10826	9834	9773	7999	6687	6778

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	1.5	1.5	3.0	- 1.6	-	-	3.0	- 1.6	- 1.6	- 3.2	3.0	3.0
2	6.0	7.6	19.7	- 1.6	- 6.4	- 4.8	- 3.2	9.1	- 3.2	- 1.6	- 1.6	- 3.2	1.5
3	6.0	3.0	1.5	4.5	- 6.4	- 3.2	- 6.4	-	-	-	- 1.7	5.8	- 1.7
4	5.8	2.9	1.4	1.4	1.4	- 1.7	4.3	1.4	- 1.7	1.4	- 3.4	1.4	1.4
5	5.8	7.2	2.9	5.8	2.9	- 3.4	- 3.4	2.9	1.4	1.4	- 1.7	4.3	2.9
6	-	-	-	-	-	-	-	2.9	4.3	1.4	2.9	1.4	1.4
7	2.9	2.9	4.3	2.9	- 1.7	- 1.7	2.9	2.9	- 3.4	- 3.4	- 3.4	- 1.7	- 1.7
8	8.7	13.0	15.9	14.4	17.3	14.4	13.0	15.9	17.0	14.4	14.4	15.9	11.6
9	5.8	5.8	5.8	8.7	2.9	- 3.4	1.4	1.4	1.4	2.9	7.2	7.2	2.9
10	2.9	5.8	7.2	8.7	7.2	4.3	4.3	4.3	5.8	7.2	5.8	5.8	- 1.7
11	14.4	18.8	18.8	18.8	15.9	13.0	10.1	10.1	11.6	8.7	5.8	2.9	- 1.7
12	2.9	2.9	5.8	8.7	14.4	14.4	14.4	17.3	17.3	14.4	11.6	10.1	14.4
13	14.4	8.7	8.7	10.1	5.8	2.9	2.9	2.9	2.9	1.4	2.9	1.4	1.4
14	7.2	7.2	5.8	2.9	1.4	1.4	2.9	4.3	18.8	18.8	7.2	2.9	4.3
15	2.9	4.3	4.3	2.9	4.3	1.4	1.4	1.4	4.3	7.2	10.1	13.0	13.0
16	18.8	14.4	13.0	13.0	11.6	1.4	- 6.7	1.4	1.4	5.8	1.4	2.9	13.0
17	1.4	1.4	1.4	1.4	5.8	- 3.4	- 5.0	- 3.4	- 3.4	- 3.4	- 6.7	- 3.4	- 6.7
18	- 1.7	1.4	- 3.4	1.4	2.9	- 3.4	- 6.7	- 6.7	- 5.0	- 1.7	- 5.0	- 1.7	- 6.7
19	- 1.7	- 1.7	- 6.7	- 5.0	- 5.0	-10.1	-10.1	-10.1	-11.8	-10.8	-13.5	- 6.7	- 6.7
20	- 3.4	- 3.4	- 3.4	- 5.0	- 5.0	- 6.7	- 8.4	-10.1	-11.8	-13.5	-11.8	- 8.4	-10.1
21	- 3.4	- 1.7	1.4	- 8.4	- 6.7	- 6.7	- 8.4	-	-	-	-	-	-
22	- 3.4	- 1.7	- 5.0	- 3.4	- 5.0	-10.1	-13.5	-10.1	-10.1	-10.1	-10.1	- 6.7	- 5.0
23	2.9	4.3	2.9	2.9	2.9	- 5.0	- 6.7	-11.8	-11.8	-13.5	-15.2	- 8.4	- 6.7
24	-	-	-	-	-	-	-	- 8.4	- 8.4	-11.8	-10.1	- 5.0	2.9
25	- 8.4	-10.1	-10.1	-11.8	-10.1	-18.5	-16.8	-15.2	-20.2	-18.5	-21.9	-11.8	-15.6
26	-11.8	-10.1	-10.1	- 6.7	-11.8	-16.8	-16.8	-16.8	-13.5	-18.5	-18.5	-13.5	-13.5
27	-13.5	-13.5	-11.8	-11.8	-10.1	-11.8	-11.8	8.7	- 5.0	- 5.0	-10.1	-13.5	-10.1
28	-10.1	-13.5	-10.1	- 5.0	- 1.7	- 1.7	2.9	4.3	- 1.7	- 1.7	- 5.0	- 1.7	- 3.4
29	- 5.0	- 6.7	- 6.7	- 3.4	-11.8	-10.1	-11.8	-13.5	- 8.4	-10.1	-13.5	-11.8	-13.5
30	- 8.4	-10.1	-13.5	- 3.4	- 3.4	-11.8	-11.8	- 1.7	- 3.4	- 6.7	- 8.4	-11.8	-10.1
31													
Prom	1.5	1.4	1.5	1.6	0.4	- 3.0	- 3.2	0.5	- 1.4	- 1.7	- 3.3	- 1.1	- 1.4
Var.	3.3	3.2	3.3	3.4	2.2	- 1.2	- 1.4	2.3	0.4	0.1	- 1.5	0.7	0.4

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	-18.5	-15.6	-15.6	-18.5	-18.5	-	-	-11.4	-11.4	- 9.9	-15.6	-14.2	-18.5
2	-12.8	-17.0	-14.2	-17.0	-15.6	-18.5	-18.5	-15.6	-15.6	-14.2	-15.6	-15.6	-18.5
3	-17.0	-17.0	-14.2	-24.1	-22.7	-21.3	-24.1	-	-	-	-18.9	-16.2	-20.2
4	-17.5	-14.8	-12.1	-18.9	-16.2	-14.8	-13.5	-13.5	-16.2	-16.2	-18.9	-17.5	-18.9
5	-14.8	-18.9	-16.2	-22.9	-20.2	-21.6	-18.9	-12.1	-14.8	-13.5	-16.2	-16.2	-16.2
6	-	-	-	-	-	-	-	-12.1	-16.2	-16.2	-17.5	-16.2	-14.8
7	-12.1	- 9.4	-10.8	-14.8	-12.1	-14.8	-17.5	-16.2	-17.5	-18.9	-18.9	-17.5	-17.5
8	- 9.4	- 4.0	- 6.7	-12.1	-20.2	-17.5	-14.8	-10.8	-14.8	-12.1	- 9.4	-12.1	-14.8
9	-14.8	-20.2	-12.1	-20.2	-18.9	-16.2	-17.5	-12.1	-12.1	-10.8	-12.1	-14.8	-16.2
10	-14.8	-16.2	-10.8	-16.2	-17.5	-17.5	-16.2	-14.8	-16.2	-18.9	-16.2	-14.8	-16.2
11	-10.8	-16.2	-13.3	-18.9	-18.9	-16.2	-18.9	-13.5	-14.8	-14.8	-17.5	-18.9	-17.5
12	-14.8	-10.8	- 9.4	-14.8	-16.2	-16.2	-14.8	-10.8	-10.8	-10.8	-16.2	-16.2	-17.5
13	-16.2	-18.9	-18.9	-24.2	-21.6	-20.2	-16.2	-18.9	-18.9	-20.2	-16.2	-16.2	-17.5
14	-18.9	-18.9	-17.5	-20.2	-17.5	-20.2	-17.5	-20.2	-16.2	-17.5	-18.9	-18.9	-16.2
15	-16.2	-16.2	-14.8	-20.2	-21.6	-20.2	-18.9	-16.2	-13.5	-12.1	-12.1	-10.6	- 9.4
16	-14.8	-14.8	-10.8	-18.9	-18.9	-20.2	-17.5	-16.2	-14.8	-16.2	-17.5	-16.2	-16.2
17	-16.2	-13.5	-12.1	-17.5	-18.9	-20.2	-21.6	-18.9	-21.6	-20.2	-20.2	-20.2	-21.2
18	-16.2	-13.5	-14.8	-21.6	-24.2	-25.6	-29.6	-25.6	-26.9	-22.9	-22.9	-28.3	-25.6
19	-24.2	-26.9	-21.6	-31.0	-32.3	-29.6	-25.6	-26.9	-25.6	-25.6	-24.2	-25.6	-22.9
20	-18.9	-21.6	-18.9	-22.9	-26.9	-24.1	-20.2	-22.9	-24.2	-22.9	-24.2	-24.2	-28.3
21	-26.9	-28.3	-28.4	-29.6	-26.9	-26.9	-26.9	-	-	-	-	-	-
22	-21.6	-26.9	-24.2	-32.3	-29.6	-26.9	-29.6	-22.9	-25.6	-20.2	-22.9	-24.2	-29.6
23	-21.6	-21.6	-22.9	-26.9	-28.3	-28.3	-26.9	-25.6	-26.9	-28.3	-26.9	-26.9	-28.3
24	-	-	-	-	-	-	-	-24.2	-26.9	-28.3	-26.9	-26.9	-31.0
25	-31.0	-36.4	-32.3	-37.7	-41.8	-37.7	-36.4	-35.0	-32.3	-29.6	-36.4	-32.3	-32.3
26	-29.6	-33.7	-33.7	-39.1	-39.1	-41.8	-37.7	-36.4	-33.7	-35.0	-35.0	-35.0	-36.4
27	-33.7	-28.3	-29.6	-39.1	-43.1	-40.4	-43.1	-36.4	-35.0	-36.4	-35.0	-37.7	-37.7
28	-33.7	-29.6	-28.3	-35.5	-31.0	-32.3	-32.3	-32.3	-32.3	-33.7	-35.0	-36.4	-35.0
29	-35.0	-26.9	-28.3	-36.4	-40.4	-40.4	-36.4	-29.6	-31.0	-33.7	-32.3	-36.4	-35.0
30	-31.0	-26.9	-28.3	-35.0	-40.4	-40.4	-39.1	-37.7	-37.7	-39.1	-41.8	-39.1	-44.4
31													
Prom	-20.1	-20.1	-18.6	-24.5	-25.0	-24.8	-24.1	-21.0	-21.6	-21.4	-22.1	-22.2	-23.2
Var	3.1	3.1	4.6	- 1.3	- 1.8	- 1.6	- 0.9	2.2	1.6	1.8	1.1	1.0	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
3.0	1.5	1.5	- 1.6	1.5	3.0	- 1.6	- 1.6	3.0	- 6.4	- 8.0	0.2	1
3.0	3.0	- 3.2	- 9.5	- 3.2	1.5	6.0	3.0	6.0	4.5	3.0	1.4	2
1.4	- 6.7	- 5.0	- 3.4	1.4	1.4	- 1.7	- 3.4	5.0	1.5	1.5	- 0.3	1
1.4	- 1.7	- 3.4	- 3.4	- 3.4	1.4	- 1.7	- 1.7	2.9	1.4	5.8	0.6	0
1.4	1.4	-10.1	1.4	-	-	-	-	-	-	-	1.4	1
- 3.4	- 1.7	- 3.4	- 1.7	1.4	1.4	1.4	- 1.7	1.4	5.8	4.3	1.1	0
1.4	1.4	2.9	- 3.4	- 3.4	- 6.7	- 6.7	- 6.7	- 3.4	- 3.4	5.8	- 0.8	2
7.2	4.3	4.3	- 1.7	1.4	1.4	1.4	1.4	2.9	4.3	4.3	9.0	1
7.2	4.3	4.3	- 1.7	- 1.7	1.4	2.9	1.4	4.3	2.9	4.3	3.3	2
4.3	1.4	- 1.7	- 8.4	- 5.0	- 1.7	1.4	- 1.7	4.3	10.1	11.6	3.4	1
1.4	2.9	2.9	- 1.7	1.4	- 1.7	2.9	2.9	4.3	2.9	4.3	7.1	0
10.1	1.4	1.4	- 5.0	1.4	2.9	5.8	1.4	8.7	2.9	5.8	7.7	1
- 3.4	- 6.7	- 3.4	- 1.7	- 1.7	- 1.7	- 1.7	- 1.7	5.8	4.3	7.2	2.6	2
- 1.7	- 8.4	- 3.4	- 3.4	- 3.4	- 5.0	1.4	- 3.4	- 3.4	- 1.7	4.3	2.4	2
14.4	14.4	14.4	14.4	11.6	15.9	14.4	17.3	13.0	20.2	18.8	10.0	0
7.2	4.3	5.8	2.9	1.4	4.3	2.9	- 1.7	4.3	2.9	1.4	5.3	1
- 1.7	- 5.0	- 6.7	-10.1	-10.1	- 5.0	- 3.4	- 3.4	1.4	- 5.0	2.9	- 2.9	0
- 3.4	- 3.4	1.4	- 6.7	- 8.4	- 5.0	- 5.0	- 5.0	- 1.7	- 1.7	- 1.7	- 3.2	0
- 3.4	- 6.7	- 8.4	-13.5	- 8.4	-10.1	- 8.4	- 6.7	- 1.7	2.9	- 3.4	- 7.0	0
- 6.7	- 8.4	-16.8	-18.5	-21.9	-13.5	- 8.4	- 5.0	- 5.0	2.9	- 5.0	- 8.6	2
-	-	-	-	-11.4	-15.2	-11.4	-11.4	- 8.4	- 6.7	- 3.4	- 7.3	0
- 6.7	-10.1	- 8.4	-13.5	- 8.4	- 8.4	2.9	2.9	5.8	2.9	5.8	- 5.4	0
- 6.7	-13.5	-11.8	-11.8	-11.8	-11.8	-10.1	-10.1	- 8.4	- 6.7	- 3.4	- 7.0	1
2.9	- 3.4	-10.1	- 6.7	-10.1	- 8.4	-10.1	-15.1	- 8.4	-11.4	-10.1	- 7.7	0
-11.8	-11.8	-15.2	-20.2	-13.5	-	-16.8	-15.2	-11.8	-13.5	-10.1	-13.7	1
-10.1	-11.8	-13.5	-16.8	-11.8	-15.2	-15.2	-15.2	-10.1	-11.8	-11.8	-13.4	0
- 5.0	-16.8	-21.9	-16.8	-16.8	-16.8	-16.8	-11.8	-11.8	-11.8	- 6.7	-11.3	2
- 5.9	- 8.4	-10.1	-10.1	-11.8	-11.8	- 8.4	-10.1	- 6.7	- 6.7	- 5.0	- 5.9	0
-15.2	- 8.4	- 8.4	- 8.4	-15.2	-10.1	- 6.7	-15.2	- 8.4	- 5.0	1.4	- 9.4	2
-	-	-11.8	-10.1	-10.1	- 8.4	- 8.4	- 5.0	- 5.0	- 5.0	- 3.4	- 7.8	2
- 0.6	- 3.3	- 4.8	- 6.6	- 5.9	- 4.4	- 3.4	- 4.2	- 0.7	- 0.8	0.7	- 1.8	
1.2	- 1.5	- 4.0	- 4.8	- 4.1	- 2.6	- 1.6	- 2.4	1.1	1.0	2.5		

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
-17.0	-15.6	-17.0	-15.6	-17.0	-19.9	-18.5	-18.5	-15.6	-14.2	-14.2	-15.9	1
-19.9	-19.9	-17.0	-17.0	-18.5	-19.9	-12.8	-11.4	-15.6	-17.0	-17.0	-16.4	1
-17.5	-17.5	-17.5	-18.9	-18.9	-17.5	-20.2	-18.9	-17.5	-16.2	-16.2	-18.7	1
-16.2	-17.5	-18.9	-14.2	-18.9	-18.9	-20.2	-20.2	-16.2	-18.9	-14.8	-16.8	1
-18.9	-17.5	-14.8	-14.8	-	-	-	-	-	-	-	-17.0	1
-20.2	-20.2	-17.5	-16.2	-16.2	-17.5	-17.5	-13.5	-17.5	-16.2	-16.2	-16.6	1
-14.8	-17.5	-18.9	-20.2	-22.9	-26.9	-22.9	-22.9	-21.6	-21.6	-10.8	-17.5	2
-13.5	-16.2	-14.8	-18.9	-17.5	-17.5	-17.5	-17.5	-17.5	-14.8	-14.8	-14.1	1
-14.8	-17.5	-16.2	-16.2	-18.9	-17.5	-18.9	-18.9	-18.9	-17.5	-16.2	-16.2	2
-17.5	-16.2	-16.2	-20.2	-18.9	-20.2	-21.6	-20.2	-16.2	-16.2	-12.1	-16.7	1
-16.2	-16.2	-17.5	-20.2	-17.5	-18.9	-20.2	-17.5	-16.2	-17.5	-14.8	-16.8	0
-17.5	-16.2	-16.2	-20.2	-17.5	-20.2	-16.2	-16.2	-17.5	-16.2	-16.2	-15.4	0
-20.2	-17.5	-18.9	-21.6	-21.6	-17.5	-20.2	-20.2	-20.2	-17.5	-14.8	-18.9	1
-18.9	-24.2	-22.9	-18.9	-24.2	-26.9	-22.9	-28.3	-28.3	-29.6	-18.9	-20.9	1
-10.8	-10.8	-12.1	-12.1	-10.8	-13.5	-13.5	-16.2	-16.2	-17.5	-17.5	-14.7	0
-21.6	-16.2	-18.9	-20.2	-21.6	-20.2	-21.6	-18.9	-20.2	-17.5	-17.5	-17.8	1
-20.2	-18.9	-17.5	-20.2	-21.6	-22.9	-21.6	-21.6	-20.2	-20.2	-18.9	-19.4	2
-25.6	-22.9	-24.2	-25.6	-28.3	-26.9	-28.3	-24.2	-22.9	-25.6	-22.9	-24.0	2
-22.9	-24.2	-24.2	-24.2	-25.6	-25.6	-24.2	-26.9	-17.5	-20.2	-21.6	-25.0	1
-24.2	-28.3	-29.6	-32.3	-28.3	-28.3	-29.6	-26.9	-29.6	-28.3	-26.9	-25.5	1
-	-	-	-	-26.9	-33.7	-33.7	-35.0	-29.6	-31.0	-25.6	-29.2	0
-29.6	-26.9	-29.6	-28.3	-28.3	-26.9	-26.9	-29.6	-24.2	-22.9	-20.2	-26.2	1
-32.3	-29.6	-26.9	-29.6	-29.6	-29.6	-31.0	-29.6	-29.6	-29.6	-29.6	-27.8	1
-29.6	-28.3	-29.6	-29.6	-40.4	-28.3	-32.3	-36.9	-31.0	-33.7	-32.3	-30.4	2
-33.7	-36.4	-36.4	-36.4	-37.7	-	-37.7	-37.7	-36.4	-35.5	-32.3	-35.3	1
-36.4	-40.4	-36.4	-37.7	-36.4	-41,8	-40.4	-40.4	-39.1	-36.4	-36.4	-37.0	1
-39.1	-37.7	-36.4	-41.8	-40.4	-41.8	-44.4	-37.7	-40.4	-36.4	-36.4	-37.8	1
-37.7	-36.4	-35.0	-40.4	-37.7	-41.8	-40.4	-41.8	-41.8	-40.4	-35.0	-35.6	0
-35.0	-33.7	-35.0	-36.4	-41.0	-40.4	-41.8	-35.0	-36.4	-37.7	-35.0	-35.4	1
-	-	-35.0	-37.7	-37.7	-43.1	-43.1	-39.1	-39.1	-40.4	-36.4	-37.8	2
-22.9	-22.9	-23.1	-24.3	-25.5	-25.9	-26.2	-25.6	-24.6	-24.4	-22.1	-23.2	
0.3	0.3	0.1	- 1.1	- 2.3	- 2.7	- 3.0	- 2.4	- 1.4	- 1.2	1.1		

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	64.0	63.9	64.0	64.0	64.1	64.3	64.7	64.8	64.9	65.1	64.8	64.5	63.8	63.2	63.2
2	64.0	63.9	63.8	63.8	63.7	63.9	64.2	64.3	64.4	64.4	64.0	63.6	63.2	62.8	62.5
3	61.5	61.1	61.1	61.0	61.0	61.2	61.7	62.0	62.0	62.0	61.8	61.2	60.5	60.0	59.6
4	60.2	60.4	60.4	60.3	60.2	60.6	60.9	61.0	61.6	61.9	61.8	61.7	61.3	61.6	61.8
5	65.2	65.3	65.4	65.4	65.4	65.9	66.1	66.1	66.4	66.6	66.4	65.7	65.3	65.0	65.2
6	66.2	66.1	65.7	65.3	65.3	65.2	65.6	66.0	66.0	66.4	66.0	65.4	64.8	64.4	63.9
7	65.4	65.1	64.9	64.7	64.7	65.2	65.2	65.5	65.6	65.7	65.7	65.1	64.6	64.0	63.8
8	63.7	63.3	62.8	62.3	62.0	62.0	62.3	62.4	62.3	62.0	61.5	61.1	60.6	59.9	59.7
9	60.0	59.9	59.8	59.8	59.7	60.1	60.4	60.6	60.6	60.7	60.5	59.6	59.5	59.2	58.8
10	59.5	59.6	59.5	59.2	59.5	59.6	60.3	60.8	61.1	61.1	61.2	61.1	60.4	60.2	60.1
11	61.4	61.5	61.4	61.4	61.6	61.9	62.4	62.8	62.9	63.2	62.7	62.3	61.8	61.6	61.4
12	62.2	62.6	63.1	63.2	63.2	63.5	64.4	65.2	65.1	65.4	65.2	64.7	64.5	64.1	64.9
13	70.0	69.9	69.8	69.7	69.7	70.1	70.8	70.9	70.7	70.8	70.2	69.3	68.7	68.0	67.7
14	64.6	63.9	63.3	62.6	62.0	61.7	61.4	61.0	61.0	60.2	60.0	59.1	58.2	58.2	57.8
15	58.2	58.0	58.0	57.7	58.1	57.6	58.6	59.1	59.3	59.1	59.4	59.4	58.8	58.4	58.2
16	56.4	56.0	55.6	54.4	53.9	53.2	53.8	55.0	55.2	55.3	55.1	54.7	54.5	54.4	54.1
17	57.9	57.7	57.9	58.0	58.0	58.2	58.8	58.8	58.7	58.5	58.1	57.7	57.5	57.4	57.9
18	61.5	61.6	61.7	61.6	61.6	62.0	62.1	62.7	63.2	63.8	63.9	63.8	63.7	63.8	63.8
19	66.2	66.5	66.3	66.3	66.3	66.6	67.0	67.6	67.9	68.0	67.7	67.0	66.2	65.8	65.6
20	64.9	64.9	64.6	64.1	64.1	64.5	63.8	64.6	64.6	64.8	64.5	63.9	63.2	62.8	62.3
21	62.8	62.4	62.3	62.1	62.1	62.2	62.3	62.5	62.8	62.4	62.1	61.2	60.9	60.6	60.1
22	60.7	60.3	60.0	59.8	59.8	59.8	59.8	60.0	60.1	60.1	59.6	58.9	58.1	57.7	57.2
23	55.7	55.8	55.7	54.9	55.3	55.3	55.7	56.1	56.4	56.9	57.3	57.0	57.2	56.8	56.6
24	58.4	58.4	57.8	57.2	56.5	56.2	56.6	56.2	56.2	55.1	54.1	53.2	53.5	53.0	53.0
25	58.2	59.2	58.9	59.4	59.6	60.3	61.2	62.2	63.2	63.9	63.9	64.2	64.0	63.8	64.1
26	67.5	67.0	66.9	66.7	66.9	67.0	67.2	67.4	67.4	67.5	66.8	66.2	65.4	64.4	63.8
27	61.1	60.7	60.3	59.8	59.4	59.5	59.7	59.9	59.9	60.2	60.2	59.6	58.9	58.2	58.0
28	59.6	59.6	59.6	59.5	59.2	58.9	58.9	59.3	59.4	59.6	59.5	58.4	58.0	57.4	57.5
29	60.1	60.2	60.3	59.8	59.9	59.6	60.6	62.0	62.0	62.4	62.0	61.3	61.0	60.6	60.5
30	61.6	61.4	61.4	61.1	61.4	61.3	61.8	62.3	62.2	62.1	62.0	61.5	60.9	60.3	60.2
31															
Prom	62.0	61.9	61.7	61.5	61.5	61.6	61.9	62.3	62.4	62.5	62.3	61.8	61.3	60.9	60.8

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	9.9	10.0	9.7	8.2	8.0	8.1	8.6	10.3	12.5	15.2	17.0	17.9	17.9	18.6	18.5
2	7.6	6.5	5.6	5.0	4.6	4.1	4.1	5.8	10.7	15.4	17.0	18.2	18.1	18.7	18.5
3	9.6	9.6	9.3	9.3	9.6	9.7	10.0	10.9	12.0	13.7	15.7	17.2	17.4	17.4	17.2
4	13.3	13.3	13.3	13.2	13.2	13.2	13.5	13.5	14.6	16.2	17.6	18.7	18.3	17.8	17.7
5	9.3	8.6	8.2	7.9	7.0	6.6	6.1	6.2	8.7	12.9	13.8	14.9	15.2	15.1	14.3
6	10.1	10.2	10.3	10.2	10.1	9.8	9.9	9.6	11.1	12.0	13.7	15.6	16.1	16.1	15.3
7	10.8	10.9	11.3	11.5	11.9	12.0	12.0	12.1	13.4	14.9	15.5	15.1	15.1	14.9	14.7
8	11.3	11.2	10.8	10.7	10.8	10.9	11.0	10.5	10.4	11.2	12.5	12.9	13.8	15.2	16.1
9	5.2	4.9	4.1	4.0	3.9	4.0	4.1	4.4	7.1	9.8	10.8	11.4	13.0	13.7	14.8
10	10.9	11.0	11.1	11.1	11.2	11.3	11.4	11.3	11.5	11.8	12.2	12.4	12.8	13.0	13.1
11	11.2	11.2	11.2	11.3	11.2	10.6	10.3	9.6	11.4	13.2	16.3	18.0	18.5	18.5	18.3
12	11.4	11.1	11.4	11.4	11.4	11.6	11.7	11.7	12.1	12.5	13.0	13.5	13.9	14.1	14.4
13	12.1	11.9	11.3	9.5	8.3	7.5	7.2	6.9	8.2	10.4	12.3	13.7	13.5	13.2	13.0
14	8.9	8.4	8.2	8.4	8.7	9.5	10.2	10.3	10.5	11.2	13.5	14.0	14.6	14.9	14.8
15	12.9	12.9	12.8	12.6	12.7	12.7	12.8	12.0	11.8	11.8	12.0	12.0	12.0	12.0	12.0
16	10.7	10.7	10.7	10.7	10.8	11.0	11.0	10.3	10.2	10.3	10.0	10.3	10.7	10.9	11.0
17	8.3	6.7	6.2	6.2	6.4	6.2	6.5	7.3	7.6	8.1	8.5	9.4	9.5	9.9	9.8
18	7.0	6.7	6.8	6.4	6.1	6.0	6.0	5.7	6.2	7.4	8.4	9.4	10.0	10.0	10.1
19	1.6	0.9	0.5	0.5	0.4	0.2	- 0.3	0.5	3.2	7.1	9.8	11.8	12.2	12.1	12.8
20	4.5	4.2	5.1	4.4	4.2	3.9	4.3	5.4	7.9	9.9	11.9	13.2	13.4	13.9	14.0
21	6.7	6.7	6.3	6.3	6.0	6.1	5.6	5.1	6.6	9.7	12.4	13.8	15.2	15.2	15.2
22	12.4	12.5	12.7	12.9	13.0	13.0	13.1	12.7	13.2	13.7	15.0	15.5	15.4	15.4	15.2
23	13.9	14.0	13.4	13.0	12.1	11.1	9.8	8.7	10.1	8.5	9.1	10.7	11.0	11.5	12.9
24	6.4	7.6	8.2	8.7	8.6	8.7	8.8	9.5	9.9	10.6	10.7	10.6	10.5	10.3	10.2
25	7.3	6.1	6.0	5.7	5.5	5.6	6.0	6.0	6.4	8.5	11.0	12.0	13.0	13.3	13.6
26	1.5	0.4	0.2	- 0.2	- 2.2	- 2.7	- 3.3	- 1.3	3.0	6.5	9.7	11.0	11.2	11.6	11.8
27	2.2	2.0	2.1	2.5	3.3	3.1	3.5	4.1	6.0	8.9	10.1	12.1	13.4	13.3	12.3
28	11.2	11.0	10.9	10.9	10.8	10.8	10.8	10.2	10.2	10.3	10.5	11.0	11.3	11.3	11.2
29	10.0	9.8	9.7	9.8	9.6	9.2	9.3	8.7	8.7	8.7	9.0	9.6	10.1	10.1	10.0
30	3.6	3.9	3.4	3.0	2.8	2.6	2.4	2.5	5.6	9.4	12.2	13.7	15.5	16.0	16.4
31															
Prom	8.7	8.5	8.4	8.2	8.0	7.9	7.9	8.0	9.4	11.0	12.4	13.3	13.8	13.9	14.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
63.3	63.8	63.8	64.0	64.0	63.9	64.1	64.5	64.2	65.1	10	63.2	14,15	1.9	764.1 mm.	1018.8 mb.
62.5	62.5	62.6	62.6	62.4	62.2	62.1	61.9	61.5	64.4	9,10	61.5	24	2.9	63.2	1017.6
59.6	59.5	59.5	59.7	59.8	59.7	59.7	59.8	60.1	62.1	9-10	59.5	17,18	2.6	60.6	1014.1
62.1	62.7	63.0	63.6	64.0	64.3	64.7	65.0	65.0	65.1	23-24	60.1	0	5.0	62.1	1016.1
65.4	65.5	65.6	65.9	66.0	66.2	66.2	66.2	66.2	66.6	10	65.0	0,14	1.6	65.8	1021.0
64.0	64.2	64.7	65.0	65.1	65.1	65.4	65.4	65.3	66.4	10	63.9	15	2.5	65.3	1020.4
63.9	63.6	63.9	64.0	64.0	63.8	63.9	63.9	63.8	65.7	10,11	63.6	17	2.1	64.6	1019.4
59.7	59.8	59.9	59.9	59.9	59.9	60.2	60.2	60.1	63.8	0	59.6	15-16	4.2	61.2	1014.9
59.0	59.4	59.5	60.0	59.6	59.8	60.0	60.0	59.8	60.7	10	58.8	15	1.9	59.8	1013.0
60.1	60.1	60.2	60.3	60.5	61.0	61.2	61.3	61.3	61.3	23,24	59.2	4	2.1	60.4	1013.8
61.4	61.5	61.9	62.1	62.2	62.2	62.3	62.4	62.3	63.3	9-10	61.3	0	2.0	62.0	1016.0
65.2	65.8	66.3	66.7	67.6	68.2	68.5	69.4	69.9	69.9	24	62.2	1	7.7	65.4	1020.5
67.6	67.3	66.9	67.0	66.9	66.2	65.7	65.5	65.1	70.9	8	65.1	24	5.8	68.5	1024.6
57.3	57.0	57.1	57.1	57.6	58.0	58.1	58.2	58.0	65.1	0	57.1	18-19	8.0	59.7	1012.9
58.5	58.3	58.5	58.3	58.6	58.2	58.3	58.2	57.5	59.6	11-12	57.5	24	2.1	58.4	1011.2
54.6	55.2	55.9	56.5	56.8	56.9	57.4	57.8	57.9	57.9	24	53.1	5-6	4.8	55.4	1007.2
58.4	58.7	59.2	59.6	60.0	60.0	60.3	60.4	61.0	61.0	24	57.4	14	3.6	58.7	1011.6
64.1	64.6	65.2	65.4	65.6	65.8	66.0	66.0	66.1	66.1	24	61.0	0	5.1	63.7	1018.2
65.5	65.3	65.2	65.2	65.4	65.5	65.4	65.4	65.1	68.0	10	65.1	24	2.9	66.3	1021.7
62.6	62.5	62.6	62.7	62.8	62.9	62.6	62.9	62.8	65.1	0	62.2	14-15	2.9	63.6	1018.1
60.0	60.3	60.8	60.9	61.0	61.0	60.9	61.0	60.9	62.9	0-1	60.0	16	2.9	61.5	1015.3
57.5	57.1	57.7	57.6	57.4	57.6	57.4	56.9	56.7	60.9	0	56.7	24	4.2	58.7	1011.6
56.9	57.2	57.3	57.8	58.2	58.4	58.2	58.2	58.4	58.4	21,24	54.9	4	3.5	56.8	1009.0
53.2	53.5	53.6	55.2	55.8	55.9	56.3	56.3	56.8	58.5	0-1	53.0	14,15	5.5	55.5	1007.3
64.6	65.1	65.9	66.2	66.6	66.9	67.0	67.5	67.6	67.6	24	56.8	0	10.8	63.5	1018.0
63.4	63.4	63.1	62.7	62.6	62.3	61.8	61.6	61.8	67.6	0	61.6	23	6.0	65.0	1020.0
58.1	58.3	58.3	58.4	59.2	59.6	59.5	59.2	59.5	61.8	0	58.0	15	3.8	59.4	1012.5
57.9	58.1	58.6	58.6	58.8	59.2	59.4	59.6	59.9	59.9	24	57.4	14	2.5	58.9	1011.8
60.6	61.0	61.4	61.6	61.6	61.7	61.4	61.6	61.7	62.4	10	59.1	5-6	3.3	61.0	1014.6
60.4	60.5	61.1	61.6	62.2	62.7	63.4	64.0	64.8	64.8	24	60.2	15	4.6	61.8	1015.7
60.9	61.1	61.3	61.5	61.7	61.8	61.9	62.0	62.1	63.8		59.8		4.0	61.7	1015.6

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
18.6	16.6	15.0	13.9	12.5	11.8	10.5	9.3	8.2	18.6	14,16	8.0	5	10.6	12.8
17.6	15.0	13.2	11.8	10.7	9.8	9.2	9.2	9.0	18.7	14	3.9	7-8	14.8	11.1
16.4	15.3	14.8	14.7	14.6	14.6	14.0	13.6	13.3	17.6	12-13	9.0	0	8.6	13.3
17.3	15.4	12.9	12.1	11.9	11.2	10.7	10.3	10.0	18.7	12	10.0	24	8.7	14.1
13.8	12.4	10.9	9.0	8.6	9.0	9.0	10.1	10.0	15.2	13	6.1	7	9.1	10.3
15.1	13.8	12.7	10.9	10.1	9.7	9.7	10.1	10.7	16.1	13,14	9.6	8	6.5	11.8
14.3	13.4	13.1	12.9	12.0	11.5	11.4	10.8	11.1	15.6	10-11	10.7	0	4.9	12.8
15.9	14.3	12.3	10.5	9.6	9.1	8.0	7.2	6.0	16.1	15	6.0	24	10.1	11.3
14.0	12.3	11.7	11.6	11.2	10.9	10.0	10.6	10.9	15.0	15-16	3.9	5	11.1	9.1
13.0	12.8	12.0	11.3	10.5	10.1	10.5	10.8	11.1	13.1	15	10.1	21	3.0	11.6
18.0	16.3	15.1	14.0	13.3	12.9	12.8	13.0	12.7	19.0	12-13	9.6	8	9.4	13.7
14.6	14.4	14.2	14.1	13.9	13.9	14.0	12.5	12.3	14.6	16	11.1	2	3.5	12.9
12.6	11.4	10.9	9.9	8.9	9.1	9.1	9.1	9.2	13.9	13-14	6.8	7-8	7.1	10.4
14.5	13.8	13.5	13.4	13.1	13.1	12.9	12.8	12.9	14.9	14	8.2	3	6.7	11.9
11.9	11.8	11.8	11.8	11.7	11.7	11.6	11.5	10.9	13.0	1-2	10.9	24	2.1	12.1
11.0	10.9	10.6	10.3	10.0	9.3	9.1	8.7	8.7	11.1	6-7	8.7	23,24	2.4	10.3
9.8	9.7	9.5	9.5	9.3	8.6	8.6	8.5	8.4	9.9	14	6.1	3-4	3.8	8.3
9.5	7.7	5.9	4.9	4.2	3.7	3.2	3.1	2.8	10.1	15	2.8	24	7.3	6.6
11.8	9.5	7.7	6.6	5.4	4.9	4.7	5.0	5.0	12.8	15	- 0.3	7	13.1	5.6
12.8	10.5	8.9	8.7	7.9	7.0	7.1	7.1	6.8	14.0	15	3.9	6	10.1	8.2
13.8	12.8	12.6	12.3	12.0	12.0	12.1	12.2	12.3	15.3	12-13	5.1	8	10.2	10.4
14.9	14.4	13.7	13.6	13.5	13.7	13.8	13.8	13.9	15.5	12	12.3	0	3.2	13.8
12.8	11.1	8.9	7.9	7.7	7.1	5.8	5.4	5.2	14.0	0	5.2	24	8.8	10.1
10.2	10.2	10.2	10.2	10.3	10.4	9.7	9.0	8.1	10.7	11	5.2	0	5.5	9.5
13.1	10.3	7.6	5.7	5.3	4.4	3.5	3.8	2.0	13.6	15	2.0	24	11.6	7.6
11.2	8.6	5.6	4.2	3.6	3.1	2.2	2.4	2.5	11.8	15	- 3.3	7	15.1	4.2
12.6	11.2	11.6	11.0	11.3	11.3	11.2	11.1	11.1	13.4	13	2.0	2	11.4	8.4
11.1	11.0	10.9	10.7	10.5	10.4	10.4	10.2	9.9	11.3	13,14	9.9	24	1.4	10.7
10.0	9.7	8.1	6.7	5.5	5.1	4.6	3.9	2.8	10.1	13,14	2.8	24	7.3	8.3
16.1	13.6	11.2	9.9	8.9	8.2	7.9	8.9	8.5	16.4	15	2.4	7	14.0	8.6
13.6	12.3	11.2	10.5	9.9	9.6	9.2	9.1	8.9	14.3		6.3		8.0	10.3

HUMEDAD RELATIVA en %

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

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	8.5	8.5	8.5	7.8	7.8	7.8	8.0	9.4	10.0	10.5	10.5	10.0	10.0	10.7	10.5
2	7.4	7.0	6.6	6.2	6.2	5.8	5.8	6.9	8.5	9.0	9.5	9.5	9.5	10.3	9.5
3	8.5	8.5	8.5	8.5	8.5	8.5	9.0	9.5	9.5	10.0	11.0	10.5	10.0	9.8	9.5
4	10.5	10.5	10.5	10.5	11.0	11.0	11.0	11.5	11.0	11.0	10.5	11.5	11.0	11.3	11.5
5	8.5	8.0	7.8	7.6	7.2	7.0	6.8	8.0	7.4	8.5	8.5	8.5	8.0	7.2	7.6
6	8.0	8.0	8.0	8.5	8.5	8.5	8.5	8.7	8.5	8.5	9.0	9.5	9.0	10.2	9.0
7	8.0	8.0	8.0	8.0	8.5	8.5	8.5	8.8	8.5	9.0	9.5	9.0	9.0	9.8	9.5
8	9.5	9.5	9.0	9.0	9.0	9.0	9.5	9.5	9.0	9.5	9.5	9.5	9.0	10.6	9.5
9	6.4	6.2	6.0	5.8	5.8	5.8	6.0	6.3	7.2	8.5	9.0	9.5	9.5	10.2	10.0
10	9.0	9.5	9.5	9.5	9.5	9.5	9.5	9.9	9.5	10.0	10.0	10.0	10.5	10.3	10.0
11	9.5	9.5	9.5	9.5	9.5	9.0	9.0	8.9	9.5	9.5	10.5	11.5	12.0	11.8	12.0
12	9.5	9.5	9.5	9.5	9.5	9.5	10.0	10.8	10.0	10.5	10.5	11.0	11.5	11.4	11.5
13	8.0	7.8	8.0	7.8	7.4	7.0	7.0	6.8	6.6	7.2	7.6	8.0	8.0	8.2	8.5
14	7.8	7.6	7.4	7.6	7.6	8.0	8.0	8.0	8.0	8.5	9.5	9.5	9.5	10.1	10.0
15	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.2	10.0	10.0	10.0	10.0	10.0	10.5	10.0
16	9.0	9.0	9.0	9.0	9.0	9.5	9.5	9.4	9.0	9.0	9.0	9.0	9.0	9.7	9.5
17	7.8	7.0	6.8	6.8	6.8	6.8	7.0	7.6	7.2	7.4	7.6	7.6	7.8	8.4	8.0
18	7.2	6.8	6.8	7.0	6.4	6.4	6.4	6.2	6.2	6.2	5.8	5.4	5.2	5.3	5.2
19	4.6	4.6	4.6	4.6	4.6	4.4	4.2	4.4	4.4	5.0	5.2	4.8	5.0	4.5	5.2
20	5.4	5.6	5.6	5.8	5.6	5.4	5.6	5.7	5.6	6.0	6.4	6.4	6.6	7.3	6.2
21	6.6	6.6	6.6	6.6	6.4	6.4	6.6	6.6	6.6	6.8	7.2	7.2	6.6	6.8	7.4
22	9.5	9.5	10.0	9.5	10.0	10.0	10.0	10.2	9.5	10.0	10.5	10.5	10.5	10.2	10.5
23	11.5	11.5	11.0	10.5	10.0	9.5	8.5	8.6	9.0	8.0	8.0	9.0	9.5	9.3	9.5
24	7.0	7.4	7.8	8.0	8.0	8.0	8.0	8.9	8.5	8.5	8.5	9.0	9.0	9.4	9.0
25	7.4	6.8	6.8	6.6	6.4	6.6	6.8	5.9	5.8	5.6	6.0	6.0	5.2	5.7	6.0
26	4.4	4.0	4.0	4.2	3.8	3.6	3.4	5.3	4.6	5.2	5.2	4.6	4.2	4.3	4.2
27	4.6	4.6	4.4	4.6	5.0	5.0	5.4	5.5	5.6	6.6	7.0	7.0	7.6	7.9	7.6
28	9.0	9.5	9.5	9.5	9.0	9.0	9.0	9.3	9.0	8.5	9.0	9.5	9.5	9.6	9.5
29	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.0	8.0	7.8	7.4	7.6	7.6	7.6
30	5.6	5.8	5.6	5.4	5.4	5.2	5.2	5.3	6.2	6.4	7.0	7.2	6.8	6.6	6.6
31															
Prom.	7.9	7.9	7.8	7.8	7.7	7.7	7.7	8.0	8.0	8.2	8.5	8.6	8.6	8.8	8.7

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
74	85	92	96	100	100	99	100	100	100	varios	67	14-15	33	90
66	83	92	99	100	97	97	100	100	100	varios	64	12	36	88
73	77	76	78	79	78	87	90	94	100	varios	64	12-13	36	86
80	89	100	100	100	100	100	100	100	100	varios	69	11-12	31	91
66	75	85	94	97	98	100	93	86	100	varios	54	13-14	46	87
77	82	88	97	100	100	95	89	86	100	20,21	68	13	32	88
81	85	88	94	97	99	99	100	100	100	23,24	72	10-11	28	85
74	82	92	97	100	100	100	100	100	100	varios	70	15-16	30	94
91	95	97	96	96	96	100	100	100	100	varios	82	15	18	97
94	96	97	100	100	100	100	100	100	100	varios	94	16	6	99
79	90	95	97	100	100	99	96	97	100	varios	73	14-15	27	92
96	98	98	99	100	100	96	85	80	100	varios	80	24	20	98
77	84	87	90	94	90	87	87	90	95	20-21	70	11-12	25	84
88	90	94	95	96	96	97	96	96	97	22	80	13	17	90
100	100	100	99	100	100	100	99	99	100	varios	96	7	4	99
99	99	98	99	100	100	99	99	99	100	varios	98	18	2	99
92	93	94	94	95	99	98	98	99	100	varios	89	12-13	11	96
62	70	74	79	83	86	88	88	89	100	0,1	53	13-14	47	82
57	67	76	79	84	87	88	86	88	97	varios	47	13-14	50	78
66	73	80	85	89	92	94	94	95	95	24	52	14-15	43	80
69	82	87	87	93	94	92	93	93	100	8	50	13-14	50	83
90	96	99	99	100	100	100	100	100	100	varios	81	13	19	92
91	97	99	100	100	100	100	100	100	100	varios	88	15	12	98
99	100	100	100	100	99	100	100	100	100	varios	90	10-11	10	99
58	68	82	89	81	84	83	85	85	100	varios	48	13-14	52	80
47	74	88	71	70	72	75	78	82	100	varios	41	13-14	59	75
72	80	84	80	85	88	90	91	93	95	7	63	13-14	32	83
97	97	100	99	100	100	100	100	100	100	varios	93	0	7	98
82	87	94	97	100	100	100	100	100	100	varios	80	14-15	20	95
51	61	69	75	80	83	86	90	93	100	varios	48	15	52	80
78	85	90	92	94	95	95	95	95	99		71		28	90

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
11.5	11.5	11.5	11.5	10.8	10.0	9.0	8.5	7.8	11.5	varios	7.8	varios	3.7	9.6
10.0	10.5	10.0	10.0	9.6	8.5	8.0	8.0	8.0	10.5	17	5.8	6,7	4.7	8.4
10.0	10.0	9.5	9.5	9.7	9.5	10.0	10.0	10.5	11.0	11	8.5	varios	2.5	9.5
11.0	11.0	10.5	10.0	10.4	9.5	9.0	9.0	8.5	11.5	varios	8.5	24	3.0	10.6
7.8	7.6	7.8	7.8	8.0	8.0	8.0	8.0	7.8	8.5	varios	6.8	7	1.7	7.8
9.5	9.5	9.5	9.0	9.2	8.5	8.0	8.0	8.0	10.2	14	7.8	0	2.4	8.7
10.0	9.5	9.5	10.0	10.2	9.5	9.5	9.0	9.5	10.2	20	8.0	varios	2.2	9.0
9.5	10.0	9.5	9.0	8.9	8.0	7.8	7.2	6.8	10.6	14	6.8	24	3.8	9.0
11.0	9.5	10.0	9.5	9.5	9.0	8.5	9.0	9.5	11.0	16	5.8	varios	5.2	8.2
10.0	10.5	10.0	9.5	9.5	9.0	9.0	9.0	9.5	10.5	13,17	9.0	varios	1.5	9.7
11.5	12.0	11.5	11.5	11.4	10.5	10.5	10.5	10.5	12.0	varios	8.9	8	3.1	10.5
12.0	11.5	11.5	11.5	11.8	11.5	11.5	8.5	8.0	12.0	16	8.0	24	4.0	10.5
8.0	8.0	8.5	7.8	8.2	7.6	7.6	7.6	7.6	8.5	15,18	6.6	9	1.9	7.7
10.5	10.0	10.5	10.5	10.3	10.5	10.5	10.5	10.5	10.5	varios	7.4	3	3.1	9.2
10.0	10.0	10.0	10.0	12.3	10.0	9.5	9.5	9.5	12.3	20	9.5	varios	2.8	10.2
9.5	9.0	9.0	9.0	9.2	8.5	8.0	8.0	8.0	9.7	14	8.0	varios	1.7	9.0
8.0	8.0	8.0	8.0	8.3	8.0	8.0	8.0	7.8	8.4	14	6.8	varios	1.6	7.6
5.4	5.2	5.0	5.0	5.2	5.2	5.0	5.0	4.8	7.2	1	4.8	24	2.4	5.8
5.8	6.0	6.0	5.6	5.7	5.6	5.6	5.6	5.6	6.0	17,18	4.2	7	1.8	5.1
7.4	6.8	6.6	6.8	7.1	6.8	6.8	6.8	6.8	7.4	16	5.4	1,6	2.0	6.3
7.8	9.0	9.5	9.0	9.8	9.5	9.5	9.5	9.5	9.8	20	6.4	5,6	3.4	7.7
11.0	11.5	11.0	11.0	11.5	11.0	11.0	11.0	11.5	11.5	varios	9.5	varios	2.0	10.4
10.0	9.5	8.0	7.6	7.8	7.2	6.6	6.4	6.4	11.5	1,2	6.4	23,24	5.1	8.9
9.0	9.0	9.0	9.0	9.4	9.0	8.5	8.0	7.8	9.4	14,20	7.0	1	2.4	8.5
6.4	6.2	6.4	6.0	5.4	5.0	4.8	4.8	4.4	7.4	1	4.4	24	3.0	6.0
4.6	6.0	5.8	4.4	3.9	4.0	3.8	4.2	4.4	6.0	17	3.4	7	2.6	4.4
7.8	7.6	8.0	7.6	9.0	8.5	8.5	9.0	9.0	9.0	varios	4.4	3	4.6	6.8
9.5	9.5	9.0	9.0	9.5	9.0	9.0	9.0	8.5	9.6	14	8.5	10,24	1.1	9.2
7.6	7.8	7.4	7.0	6.7	6.4	6.0	5.8	5.4	8.5	varios	5.4	24	3.1	7.6
7.2	7.2	6.6	6.6	6.8	6.6	6.8	7.4	7.6	7.6	24	5.2	6,7	2.4	6.4
9.0	9.0	8.8	8.6	8.8	8.3	8.1	8.0	8.0	9.6		6.8		2.8	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	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V
1	N	2	N	2	C	1	C	1	C	1	C	1	NE	3	NE	3	NE	6	N	8	N	10	NW	12	NW	14	NW	14	NW	12
2	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	N	4	NW	4	NW	6	NW	8	NW	9	NW	9
3	NE	7	NE	7	NE	5	N	7	C	1	N	4	N	4	N	5	N	6	N	10	N	11	N	11	N	14	N	13	N	14
4	C	1	C	0	C	1	C	1	E	2	E	3	E	2	C	1	C	0	C	1	NW	4	W	4	SW	6	S	7	S	6
5	SE	4	SE	2	SE	3	SE	2	SE	2	SE	3	SE	2	SE	4	SE	5	SE	6	E	11	E	13	E	13	E	14	E	11
6	E	6	E	7	E	8	E	7	E	5	E	4	E	5	E	4	NE	6	NE	9	NE	11	NE	11	NE	8	E	8	E	10
7	E	8	E	9	E	8	E	9	E	10	E	10	E	9	E	8	E	9	E	13	E	15	E	14	E	14	E	13	E	11
8	E	6	SE	3	SE	3	E	6	E	5	SE	4	S	2	S	5	S	5	S	4	S	4	S	4	S	3	S	2	S	4
9	SW	3	S	2	C	1	C	0	W	2	W	3	C	1	C	0	W	5	W	4	W	6	W	7	W	7	W	6	W	4
10	NW	11	W	9	W	8	W	6	W	10	W	6	W	5	W	7	NW	5	NW	6	NW	8	NW	11	NW	9	NW	10	NW	12
11	N	11	N	11	N	11	N	8	N	8	NE	4	NE	5	NE	4	NE	11	N	11	N	12	N	14	NW	11	NW	9	NW	8
12	N	7	N	11	N	13	NW	5	NW	8	NW	9	NW	5	NW	4	NW	7	NW	5	NW	4	NW	5	NW	4	W	3	W	2
13	SE	7	SE	7	SE	5	SE	6	SE	3	SE	5	SE	4	SE	5	SE	6	SE	7	E	11	E	13	E	14	E	13	E	15
14	E	7	NE	4	NE	7	NE	10	NE	12	NE	11	NE	14	NE	13	NE	18	NE	15	NE	19	N	15	NE	14	NE	12	N	10
15	C	0	S	2	C	0	C	0	C	0	C	0	S	3	S	7	S	7	S	6	S	4	S	4	S	5	S	7	S	5
16	S	11	S	13	S	13	S	13	S	12	SE	16	S	8	S	11	S	12	S	13	S	10	S	9	S	10	S	7	S	7
17	W	3	C	1	W	3	W	2	C	1	C	1	C	0	W	4	W	4	W	2	N	3	N	8	N	10	N	8	NW	7
18	S	16	S	17	S	13	S	14	S	14	S	13	S	6	S	10	W	11	W	11	W	15	S	14	S	18	S	18	S	15
19	W	5	W	4	W	5	W	6	W	5	W	6	W	4	W	6	W	8	W	5	W	7	NW	11	NW	13	NW	13	NW	13
20	N	9	N	10	N	11	N	10	N	11	N	11	N	12	N	13	N	19	N	21	N	17	N	20	N	20	N	19	N	20
21	N	13	N	13	N	12	N	12	N	9	N	10	N	6	N	8	N	8	N	14	N	16	N	15	N	12	N	10	N	6
22	NE	8	NE	9	NE	7	NE	7	NE	4	NE	7	E	4	E	4	NE	6	NE	8	NE	8	N	10	N	7	N	5	NE	5
23	S	2	E	5	W	8	W	7	W	8	W	6	W	7	W	7	W	12	W	11	W	11	W	9	W	11	W	11	W	11
24	NE	8	NE	6	E	6	E	9	E	12	E	11	E	10	E	10	E	15	E	19	E	12	E	14	S	9	S	10	S	6
25	S	6	SW	7	S	5	S	8	S	8	S	8	S	8	S	6	S	4	S	7	S	7	S	10	S	8	S	12	S	9
26	W	7	W	6	SW	5	SW	3	E	2	C	0	C	1	N	3	NE	2	NW	5	N	2	N	4	N	8	N	9	NW	8
27	N	7	N	9	NE	7	NE	7	NE	11	NE	14	NE	13	N	16	N	16	N	16	N	16	N	17	N	18	E	12	E	13
28	E	5	NE	8	NE	7	E	3	E	7	E	8	E	9	E	7	E	9	E	6	E	11	E	10	E	12	E	12	E	7
29	W	4	W	5	W	5	S	0	S	8	S	8	S	2	S	3	S	6	S	10	S	9	S	10	S	11	S	9	S	8
30	W	6	W	6	W	2	C	0	W	7	W	4	W	7	W	7	W	5	W	8	W	8	W	9	W	9	W	11	W	10
31																														
DIR. PREV.	N		N		W		C		E		E-W-C		E-S		S		NE-W		N		N		N		N-S		S		S	
Nº de HORAS	6		6		6		6		7		5		6		6		6		7		8		9		7		8		8	
PROM. HOR. DE LA VELOC.		6		6		6		6		6		6		5		6		8		9		10		10		11		10		9

15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		PREVAL. DIARIA		PROM. DIARIO DE VELOC.	VELOCIDAD INSTANTÁNEA		
D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	DIR.	Nº de HORAS		VELOC.	DIREC.	HORA
NW	6	W	2	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	11	4	16	NW	12.28
NW	7	C	1	E	3	NE	3	NE	4	NE	3	NE	5	NE	3	NE	6	C	10	3	10	NW	14.52
N	11	N	9	N	9	N	4	N	5	N	6	C	1	C	0	C	0	N	17	7	16	N	14.36
S	2	S	2	C	0	S	2	S	2	SE	2	SE	4	SE	4	SE	6	C	8	3	12	S	14.00
E	10	E	7	E	5	E	4	E	4	E	5	E	5	E	9	E	7	E	14	6	17	E	12.54
E	10	E	7	E	3	E	3	SE	4	SE	5	E	6	E	9	E	10	E	17	7	14	NE	11.26
E	9	E	9	E	6	E	5	E	4	E	5	E	4	SE	3	SE	3	E	22	9	16	E	9.55
S	3	S	3	S	3	C	1	S	3	S	3	C	0	C	1	C	1	E	14	3	7	S	8.20
NW	7	NW	11	NW	10	NW	13	NW	13	NW	8	NW	6	NW	8	NW	10	W-NW	9	6	13	NW	19.08
NW	10	NW	9	NE	6	E	4	E	3	NE	4	NE	5	NE	8	NE	10	NW	10	8	14	W	5.02
NW	4	E	7	E	7	E	5	E	5	E	6	NE	9	NE	11	NE	14	N	8	9	17	NW	12.24
C	1	C	1	C	0	C	0	C	0	C	1	C	1	SE	10	SE	8	NW	10	5	16	N	2.30
E	10	E	10	E	8	E	5	E	6	E	8	E	7	E	6	E	5	E	14	8	17	E	13.00
NE	9	NE	13	NE	8	E	4	S	4	S	5	S	4	S	3	E	4	NE	15	10	26	E	10.10
S	5	S	4	SE	6	S	8	SE	4	S	6	S	5	S	6	S	8	S	17	4	15	S	23.48
S	7	S	9	S	7	S	5	W	2	SW	4	SW	4	W	3	W	4	S	18	9	28	SE	5.18
NW	8	NW	7	W	3	W	3	SW	5	C	0	SW	2	S	7	SW	2	W	8	4	14	N	12.44
S	13	S	6	W	6	W	6	W	7	W	5	W	7	W	7	W	5	S	14	11	28	S	13.11
NW	12	NW	6	NW	5	N	7	N	7	N	8	N	10	N	11	N	10	W	11	8	18	NW	13.13
N	11	N	8	N	10	N	10	N	11	N	9	N	15	N	12	N	12	N	24	13	26	N	9.23 12.05
E	5	E	4	E	2	E	4	E	8	E	6	E	6	E	3	NE	4	N	15	8	17	N	9.32
NE	7	N	3	C	0	E	4	E	3	E	8	C	1	C	1	W	7	NE	11	6	10	N	11.29
NW	15	NW	11	NW	7	NW	9	NW	9	NW	6	C	0	N	3	N	5	W	13	8	20	W	9.04
S	7	S	9	S	7	S	7	S	7	S	7	S	7	S	6	S	6	S	12	9	28	E	10.39
S	7	S	6	W	3	W	3	SW	4	S	6	SW	5	SW	5	SW	6	S	17	7	16	S	13.32
NW	7	NE	3	C	1	NE	8	N	7	N	6	N	6	N	8	N	10	N	10	5	9	N	23.16
E	13	E	8	E	8	E	9	E	7	E	5	E	8	E	9	E	6	E	11	11	23	N	11.34
E	3	C	1	C	1	SW	2	S	3	S	3	SW	4	SW	4	SW	4	E	14	6	13	E	12.46
S	7	S	3	C	1	C	0	C	0	C	0	C	0	W	2	W	3	S	14	5	16	S	12.10
W	8	W	5	W	5	S	6	S	7	S	7	S	8	S	8	S	10	W	17	7	17	S	23.24
S		S		E		E		E		E-S		E		E-S		E		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		60 Km.		
8		8		8		10		8		7		6		5		5					DIREC.	DIA	HORA
																		E	134	7			
	8		6		5		5		5		5		5		6		6				N	20	de 11.55 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	4	22	3	12									1	2	5	58	11	98
2	1	4	6	24	1	3									6	43	10	75
3	17	143	3	19													4	164
4					3	7	4	16	6	21	1	6	1	4	1	4	8	63
5					14	118	10	33										151
6			5	45	17	112	2	9										166
7					22	202	2	6										208
8					3	17	3	10	14	48							4	78
9									1	2	1	3	9	44	9	86	4	137
10			5	33	2	7							7	51	10	91		182
11	8	86	7	58	5	30									4	32		206
12	3	31					2	18					2	5	10	56	7	114
13					14	131	10	55										186
14	2	25	15	179	3	15			4	16								235
15							2	10	17	92							5	102
16							1	16	18	177	2	8	3	9				210
17	4	29							1	7	3	9	8	24	3	22	5	94
18									14	187			10	80				267
19	6	53											11	61	7	73		187
20	24	321																321
21	15	164	1	4	8	38												206
22	4	25	11	76	5	23							1	7			3	133
23	2	8			1	5			1	2			13	119	6	57	1	191
24			2	14	10	118			12	88								220
25									17	125	5	27	2	6				158
26	10	63	3	13	1	2					2	8	2	13	3	20	3	121
27	8	115	5	52	11	98												265
28			2	15	14	109			2	6	4	14					2	146
29									14	100			5	19			5	120
30									6	46			17	117			1	163
31																		
SUMAS	108	1089	68	544	134	1035	36	173	127	917	18	75	92	561	64	542	73	4967
% PREVAL POR VELOCIDAD	21.9		11.0		20.8		3.5		18.5		1.5		11.3		10.9		0.6	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	10		8		8		5		7		4		6		8		0.4	166

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	6	3	5	2	4	1	5	1	3
1 - 2	6	5	3	3	4	1	5		3
2 - 3	4	5	3	3	3	1	6		5
3 - 4	4	3	5	2	4	1	4	1	6
4 - 5	3	3	7	2	4		5	1	5
5 - 6	3	4	5	4	3		5	1	5
6 - 7	3	4	6	2	6		4	1	4
7 - 8	5	3	5	2	6		5	1	3
8 - 9	4	6	3	2	5		6	2	2
9 - 10	7	3	3	2	5		6	3	1
10 - 11	8	3	5		5		5	4	
11 - 12	9	1	5		6		4	5	
12 - 13	7	2	4		7	1	3	6	
13 - 14	6	1	6		8		4	5	
14 - 15	4	1	6		8		4	7	
15 - 16	2	2	7		8		1	9	1
16 - 17	3	2	7		8		2	5	3
17 - 18	2	2	8	1	3		4	3	7
18 - 19	3	2	10		5	1	3	2	4
19 - 20	4	1	8	2	6	2	2	2	3
20 - 21	4	2	7	2	7	1	1	2	4
21 - 22	3	3	6	1	4	4	1	1	7
22 - 23	4	3	5	3	5	2	3	1	4
23 - 24	4	4	5	3	3	3	4	1	3
SUMAS	108	68	134	36	127	18	92	64	73
% de frec. por dirección	15.0	9.4	18.6	5.0	17.6	2.5	12.8	8.9	10.1

NUBES. VISIBILIDAD

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

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9	29.6	16.6	1.06	5	5	5	
	10	34.6	19.6	1.22	1	5	5	
1	12	36.2	22.1	1.15	7	3	5	
	14	32.1	21.5	0.86	6	3	5	
	15	32.3	21.7	0.86	6	2	5	
	9	29.7	16.6	1.06	0	5	4	Ne.
	10	34.8	19.7	1.23	0	5	5	
2	12	38.2	22.4	1.28	1	5	5	
	14	35.0	21.8	1.07	2	3	5	
	15	31.2	20.7	0.85	1	5	5	
	9	15.3	12.9	0.20	8	0	5	
	10	20.9	15.7	0.42	8	0	5	
3	12	29.1	20.1	0.73	8	1	5	
	14	23.0	18.7	0.35	8	0	5	
	15	20.7	17.8	0.24	8	0	5	
	9	20.6	16.3	0.35	7	0	3	Ne.
	10	23.1	17.8	0.43	7	0	3	Ne.
4	12	29.1	20.6	0.69	8	4	5	De.
	14	26.8	19.6	0.58	7	3	5	
	15	28.7	19.7	0.73	4	5	5	
	9	24.8	17.8	0.57	3	4	3	Ne.
	10	28.8	16.3	1.02	8	4	2	Ne.
5	12	33.7	19.3	1.17	5	5	5	
	14	33.7	19.0	1.20	5	5	5	
	15	20.3	14.6	0.46	5	5	5	
	9	14.8	12.0	0.23	8	0	5	
	10	20.2	13.8	0.52	8	1	5	
6	12	28.2	18.3	0.80	8	1	5	
	14	25.7	17.2	0.69	8	2	5	
	15	25.2	16.8	0.68	8	2	5	
	9	18.5	14.5	0.32	8	1	4	Ne.
	10	25.6	17.0	0.70	7	2	4	Ne.
7	12	29.5	18.3	0.91	8	1	4	Ne.
	14	22.1	16.2	0.48	8	1	4	Ne.
	15	16.5	15.0	0.12	8	0	4	Ne.
	9				8	0	1	N., dv.
	10	17.4	13.8	0.29	8	0	1	N.
8	12	17.3	14.4	0.24	8	0	4	Ne.
	14	23.0	17.0	0.49	6	3	5	
	15	21.6	16.8	0.39	3	3	5	
	9				8	1	0	N., dv.
	10	16.7	11.8	0.40	8	0	3	N.
9	12	19.6	14.0	0.46	8	0	5	
	14	18.8	14.8	0.32	7	3	3	Ne.
	15	20.6	15.9	0.38	7	0	4	Ne.
	9	13.7	12.3	0.11	8	0	4	Ne.
	10	15.0	12.9	0.17	8	0	3	Ne.
10	12	15.7	13.4	0.19	8	0	4	Ne.
	14	15.8	13.8	0.16	8	0	2	Ne.
	15	16.0	14.1	0.15	8	0	3	Ne.
	9	28.4	15.5	1.05	1	5	5	
	10	32.4	18.0	1.17	0	5	5	
11	12	38.5	22.5	1.30	2	5	5	
	14	30.4	20.8	0.78	7	3	5	
	15	21.2	17.8	0.28	6	0	5	
	9				8	0	2	N., dv.
	10				8	0	2	N., dv.
12	12	18.4	14.8	0.29	8	0	4	Ne.
	14	17.4	15.3	0.17	8	0	3	Ne.
	15	16.5	14.8	0.14	8	0	4	Ne.
	9	25.4	12.3	1.06	8	4	5	
	10	27.5	14.8	1.03	8	3	5	
13	12	28.7	16.6	0.98	8	3	5	
	14	18.8	14.2	0.37	8	3	5	
	15	17.2	13.6	0.29	8	1	5	
	9	15.8	12.3	0.28	8	0	5	
	10	17.5	13.0	0.36	7	0	5	
14	12	20.9	15.7	0.42	8	0	4	
	14	20.0	16.2	0.31	8	0	5	
	15	17.5	15.4	0.17	8	0	5	
	9				8	0	4	Z.
	10				8	0	4	Z.
15	12				8	0	4	LL.
	14				8	0	4	LL.
	15				8	0	4	LL.
	9				8	0	4	LL.
	10				8	0	4	LL.
16	12				8	0	4	LL.
	14				8	0	4	Z.
	15				8	0	5	Z.

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9	12.0	10.3	0.14	8	0	5	
	10	13.1	9.5	0.29	8	0	5	
17	12	15.9	11.3	0.37	8	0	5	
	14	12.8	10.7	0.17	8	0	5	
	15	11.3	10.4	0.07	8	0	5	
	9	9.7	6.9	0.23	7	0	5	
	10	21.0	10.8	0.83	7	2	5	
18	12	29.8	14.0	1.28	0	5	5	
	14	29.4	14.3	1.23	1	5	5	
	15	25.3	12.8	1.02	0	5	5	
	9	20.3	7.9	1.01	1	5	5	
	10	26.3	11.1	1.24	0	5	5	
19	12	31.4	16.1	1.24	0	5	5	
	14	21.7	13.7	0.65	5	2	5	
	15	28.7	15.6	1.06	3	5	5	
	9	22.0	11.4	0.86	7	2	5	
	10	26.0	13.7	1.00	7	2	5	
20	12	31.0	17.3	1.11	8	2	5	
	14	26.2	16.4	0.80	7	2	5	
	15	21.7	15.0	0.54	8	2	5	
	9	15.0	9.6	0.44	7	2	5	
	10	26.0	12.5	1.10	6	2	5	
21	12	28.5	16.8	0.95	6	2	5	
	14	19.6	15.2	0.36	8	1	5	
	15	17.9	14.6	0.27	8	0	5	
	9	14.5	13.6	0.07	8	0	5	
	10	16.8	14.6	0.18	8	0	5	
22	12	19.9	16.4	0.28	8	0	5	
	14	17.2	15.8	0.11	8	1	5	
	15	15.8	15.2	0.05	8	0	5	
	9	15.0	10.3	0.38	8	1	4	Ne.
	10	12.1	9.2	0.24	8	0	4	Ne.
23	12	17.6	12.8	0.39	8	0	5	
	14	15.8	12.8	0.24	8	0	4	Ne.
	15	23.9	15.2	0.71	2	5	4	Ne.
	9	11.2	10.8	0.03	8	0	4	Ne.
	10				8	0	4	Ne., Am.
24	12				8	0	3	Ne., Z.
	14				8	0	4	Z.
	15				8	0	4	Z.
	9	16.3	8.3	0.65	6	5	5	
	10	27.4	12.3	1.23	1	5	5	
25	12	32.7	16.7	1.30	1	5	5	
	14	33.4	17.1	1.33	1	5	5	
	15	28.4	15.8	1.02	1	5	5	
	9	20.8	6.8	1.14	0	5	4	Ne.
	10	28.4	12.3	1.31	0	5	4	Ne.
26	12	30.1	14.9	1.24	1	5	5	
	14	29.5	15.2	1.16	0	5	5	
	15	27.5	14.5	1.06	0	5	5	
	9	14.7	7.8	0.56	7	2	5	
	10	26.2	12.8	1.09	8	3	5	
27	12	31.2	16.3	1.21	8	5	5	
	14	27.8	16.0	0.96	8	4	5	
	15	28.1	15.3	1.04	7	5	5	
	9				8	0	4	Ne., Am.
	10				8	0	4	Ne., Am.
28	12				8	0	3	Ne., Am.
	14				8	0	4	Ne., Am
	15				8	0	4	Ne., Am.
	9				8	0	4	Ne., Z.
	10				8	0	4	Ne., Am.
29	12	13.5	11.7	0.15	8	0	5	
	14	11.5	11.0	0.04	8	0	5	
	15	11.1	10.2	0.07	8	0	5	
	9	18.8	8.9	0.80	6	5	5	
	10	28.5	14.0	1.18	4	5	5	
30	12	28.3	17.8	0.85	5	5	5	
	14	34.7	19.4	1.24	3	5	5	
	15	31.3	18.7	1.02	2	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				0.4	1.0	1.0	1.0	0.5	1.0	0.9	0.7	0.1			6.6	9.9	67
2				1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8				7.8	9.9	79
3								0.2	0.1						0.3	9.9	03
4						0.1	0.3		0.3	1.0	0.9	0.1			2.7	9.9	27
5				0.4	1.0	1.0	0.9	1.0	1.0	0.8	0.4				6.5	9.9	66
6							0.2	0.2		0.2	0.8				1.4	9.9	14
7					0.4	0.8	0.5	0.2							1.9	9.8	19
8						0.1			0.3	1.0	1.0	0.3			2.7	9.8	28
9								0.2	0.1	0.8	0.4				1.5	9.8	15
10															0.0	9.8	00
11				0.5	1.0	1.0	1.0	1.0	0.9	0.4	0.6	0.2			6.6	9.8	67
12															0.0	9.8	00
13					0.7	1.0	1.0	0.9	0.8	0.2					4.6	9.8	47
14						0.3	0.3								0.6	9.8	06
15															0.0	9.8	00
16															0.0	9.8	00
17															0.0	9.8	00
18						0.8	1.0	1.0	1.0	1.0	1.0	0.5			6.3	9.8	64
19			0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2			8.3	9.8	85
20			0.2	1.0	1.0	1.0	1.0	1.0	0.3	0.7	0.2				6.4	9.8	65
21						1.0	1.0	1.0	0.3						3.3	9.8	34
22				1.0	0.4		0.1			0.7	1.0	0.2			3.4	9.8	35
23						0.1	0.3		0.3	1.0	0.9	0.1			2.7	9.8	28
24															0.0	9.8	00
25					0.6	1.0	1.0	1.0	1.0	1.0	1.0	0.3			6.9	9.8	70
26			0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3			8.5	9.8	87
27				0.3	0.7	0.9	0.7	1.0	1.0	1.0	0.8				6.4	9.8	65
28															0.0	9.8	00
29															0.0	9.8	00
30				0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			8.0	9.8	81
31																	
Medias			0.0	0.2	0.4	0.5	0.5	0.4	0.4	0.5	0.4	0.1			3.4	9.8	35

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	12.2	15.6	14.8	12.2	14.0	14.4	11.6	12.0	12.6	12.6	12.7	12.8	-	-	-
2	11.7	15.3	14.0	12.5	14.0	14.1	11.7	12.0	12.3	12.7	12.5	12.7	-	-	-
3	12.4	15.0	14.6	12.8	14.0	14.2	11.6	12.0	12.1	12.6	12.5	12.7	-	-	-
4	14.4	16.2	15.2	14.0	15.0	14.7	12.5	12.6	13.0	13.2	13.0	13.3	-	-	-
5	12.2	14.7	13.0	13.0	13.6	13.5	12.0	12.0	12.0	13.0	12.7	12.8	-	-	-
6	12.2	14.2	13.3	12.6	13.4	13.5	11.5	11.6	12.0	12.4	12.3	12.4	-	-	-
7	12.8	15.2	14.4	12.9	14.2	14.0	11.9	12.0	12.4	12.6	12.4	12.8	-	-	-
8	13.6	14.6	13.6	13.4	14.0	13.7	11.8	12.0	12.2	12.6	12.6	12.6	-	-	-
9	11.0	13.7	13.4	11.8	12.8	13.2	11.1	11.0	11.5	12.3	12.0	12.0	-	-	-
10	13.2	14.0	13.3	13.0	13.4	13.4	11.5	11.6	11.6	11.0	12.2	12.2	-	-	-
11	13.0	15.6	14.6	13.0	14.2	14.3	11.4	11.9	12.3	12.3	12.2	12.4	-	-	-
12	13.7	15.0	14.9	13.6	14.1	14.4	11.9	12.2	12.2	12.7	12.5	12.6	-	-	-
13	12.7	14.3	12.3	13.1	13.7	13.4	12.1	12.0	11.4	12.6	12.4	12.6	-	-	-
14	11.8	14.1	14.0	12.3	13.2	13.5	11.3	11.4	12.7	12.3	12.2	12.5	-	-	-
15	13.8	-	13.6	13.4	-	13.4	11.6	-	11.8	12.4	-	12.2	-	-	-
16	12.8	12.7	12.8	12.6	12.7	12.7	11.4	11.2	11.1	12.8	11.7	11.8	-	-	-
17	11.2	12.2	12.2	11.6	12.1	12.1	10.6	10.6	10.6	11.6	11.3	11.3	-	-	-
18	10.8	12.1	10.6	11.1	12.6	11.2	10.2	10.1	10.4	11.3	11.2	11.3	-	-	-
19	8.0	11.2	10.0	9.0	12.0	10.5	9.0	9.1	9.3	10.3	10.3	10.0	-	-	-
20	8.8	11.4	10.4	9.2	10.5	10.4	8.8	9.0	9.3	10.0	10.0	10.0	-	-	-
21	9.0	11.9	11.8	9.2	10.6	11.2	8.8	9.0	9.4	10.0	9.8	10.0	-	-	-
22	11.6	13.0	13.0	11.4	12.1	12.4	9.8	10.0	10.4	10.2	10.4	10.6	-	-	-
23	12.1	12.4	11.7	12.2	12.2	12.0	10.4	11.3	10.3	11.8	12.0	11.0	-	-	-
24	10.8	11.6	11.8	11.0	11.4	11.5	9.8	9.6	10.0	10.5	10.4	10.7	-	-	-
25	9.9	12.0	10.3	10.2	11.0	10.8	9.2	9.3	9.4	10.1	10.1	10.1	-	-	-
26	6.8	10.0	9.0	8.2	9.3	9.4	8.2	8.0	8.4	9.6	9.3	9.4	-	-	-
27	7.0	10.3	10.0	7.8	9.0	9.7	7.4	7.4	8.2	8.8	8.8	9.0	-	-	-
28	10.2	11.4	11.3	10.1	10.7	11.0	8.4	8.7	9.0	9.0	9.3	9.3	-	-	-
29	11.0	11.5	10.8	10.8	11.2	10.9	9.0	9.2	9.4	9.5	9.6	9.7	-	-	-
30	8.2	11.3	10.6	9.0	10.2	10.6	8.3	8.2	9.0	9.3	9.2	9.3	-	-	-
31															
Prom.	11.3	13.2	12.5	11.6	12.5	12.5	10.5	10.6	10.9	11.4	13.0	11.4	-	-	-

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					1	0.0	0.8	0.4	1.3	B.21	22.6	20.8	24.2	21.8		10534
2					0	0.1	1.2	0.5	1.8							10531
3					0	0.1	1.6	0.6	2.7							10526
4					0	0.5	0.3	0.4	0.8							10526
5					0	0.1	0.5	0.5	1.3							10534
6					0	0.3	0.5	0.3	1.1	B.22	19.1	20.1	24.0			10535
7					0	0.3	0.6	0.2	0.8							10535
8					0	0.0	0.2	0.2	0.4							10532
9					0	0.0	0.2	0.1	0.3							10528
10					0	0.0	0.2	0.0	0.2							10528
11					0	0.0	0.4	0.2	1.0	B.23	20.0	19.3	23.3			10531
12					0	0.4	0.0	0.1	0.3							10534
13					0	0.2	0.6	0.3	1.3							10554
14					0	0.4	0.4	0.3	0.8							10537
15	-	64.1	58.0	-	0	0.1	0.0	0.0	0.1							10523
16	2.0	3.5	3.0	3.2	2	0.1	0.0	0.1	0.1							10523
17	0.8	1.0	0.8	0.7	2	0.0	0.1	0.2	0.4	B.24	23.6	21.2	25.1			10397
18					2	0.1	0.5	0.5	1.0							10416
19					2	0.0	0.9	0.6	1.8							10433
20					1	0.3	1.0	0.6	1.8							10426
21					1	0.2	0.8	0.6	1.6	B.25	21.8	21.5	24.0	18.5	21.5	10421
22	17.1	19.0	17.4	16.1	1	0.2	0.7	0.1	0.9							10413
23					2	0.1	0.2	0.3	0.5							10388
24	8.1	8.4	8.2	7.0	2	0.0	0.1	0.1	0.5							10387
25					2	0.3	0.9	0.3	1.3							10384
26					2	0.1	1.4	0.6	2.5	B.26	22.2	21.5	26.9			10387
27	4.1	4.1	3.8	3.9	1	0.5	0.7	0.6	1.5							10356
28	0.6	0.7	0.7	0.5	2	0.2	0.1	0.1	0.2							10349
29	0.0	0.0	0.0	0.0	2	0.0	0.2	0.2	0.5							10350
30					2	0.1	0.7	0.8	1.9							10350
31																
Prom.	-	100.8	91.9	-	-	0.2	0.5	0.3	1.0	-	-	-	-	-	-	10457

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		
-	-	-	17.0	17.1	17.1	19.2	19.7	2.8	Cn. m. y t., Ca. n., N. Ne. m., r. n.
-	-	-	16.8	17.0	16.9	19.1	19.7	1.1	Ca. m. t. y n., Ns. Ne. m., r. Ns. n.
-	-	-	16.9	16.8	16.8	19.1	19.7	-	Cn. m. t. y n.
-	-	-	16.8	16.8	16.8	19.1	19.7	10.1	Cn. m. y t., Ca. n., Ne. m., Ds. t., r. n.
-	-	-	16.7	16.7	16.6	19.0	19.6	1.3	Ca. m. y n., Cn. t., Ne. m., B. t., r. n.
-	-	-	16.7	16.7	16.5	19.0	19.6	2.8	Cn. m. y t., Ca. n., r. m.
-	-	-	16.5	16.5	16.5	18.9	19.6	4.1	Cn. m. t. y n., Ne. m. t. y n.
-	-	-	16.3	16.3	16.3	18.9	19.6	6.9	Cn. m. y t., Ca. n., N. m., Ne. t., r. n.
-	-	-	16.2	16.3	16.2	18.8	19.5	- 0.1	Cn. m. t. y n., N. m., Ne. t.
-	-	-	16.2	16.2	16.2	18.7	19.4	6.5	Cn. m. y t., Ca. n., Ne. m. y t., r. n., N. n.
-	-	-	16.2	16.2	16.2	18.7	19.6	4.2	Cn. m. y t., Ca. n., N. m., r. n.
-	-	-	16.2	16.2	16.2	18.7	19.8	5.8	Cn. m. t. y n., N. m., Ne. t.
-	-	-	16.0	16.0	16.0	18.6	19.4	2.9	Cn. m. y t., Ca. n., r. m. y n.
-	-	-	16.0	16.1	16.1	18.6	19.4	2.7	Cn. m. t. y n., r. m.
-	-	-	16.0	16.0	15.9	18.5	19.3	11.3	Cn. m. t. y n., Z. m., LL. t. y n.
-	-	-	15.9	15.9	15.9	18.5	19.3	10.6	Cn. m. t. y n., LL. m., Z. t.
-	-	-	15.8	15.7	15.7	18.5	18.5	1.3	Cn. m. t. y n., r. n.
-	-	-	15.7	15.7	15.7	17.9	18.7	5.0	Cn. m., Ca. t. y n., Z. m., r. n.
-	-	-	15.6	15.5	15.4	18.0	18.8	- 4.7	Ca. m. y n., Cn. t., h. m., Jl. n.
-	-	-	15.2	15.2	15.1	18.0	18.9	- 0.1	Cn. m. t. y n., Jl. Dl. n.
-	-	-	15.0	15.0	15.0	18.0	19.0	0.4	Cn. m. t. y n., Ds. t., Jl. Dl. n.
-	-	-	14.9	14.9	14.9	17.9	19.0	9.6	Cn. m. t. y n., Z. t., Ru. n., LL. n.
-	-	-	14.8	14.9	14.9	17.8	18.8	4.7	Ca. m. y n., Cn. t., Ne. t., Ns. n.
-	-	-	14.7	14.7	14.7	17.8	18.8	2.1	Cn. m. t. y n., N. m., Z. t., Ne. Z. n, LL. m.
-	-	-	14.7	14.6	14.5	18.2	18.8	2.0	Cn. m., Ca. t. y n.
-	-	-	14.5	14.5	14.4	17.7	18.9	- 7.6	Ca. m. t. y n., h. Ne. m., r. n.
-	-	-	14.2	14.2	14.3	17.6	18.8	- 3.8	Cn. m. t. y n., h. m.
-	-	-	14.2	14.1	14.2	17.5	18.8	8.5	Cn. m. t. y n., Ne. m. y t., N. n., LL. m.
-	-	-	14.2	14.2	14.1	17.5	18.7	8.7	Cn. m. y t., Ca. n., Z. m., r. N. n.
-	-	-	13.9	13.9	14.1	17.5	18.7	- 2.2	Cn. m., Ca. t. y n., Jl. Dl. m, h. m., r. n.
-	-	-	15.7	15.7	15.6	18.4	19.2	3.3	

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	62.7	66.6	5	10	58.8	9	15	11.8	16.5	7.7	18.7	2;4	14;12	3.9	2;9	7-8;5	3.1	9.9	32
2ª	62.2	70.9	13	8	53.1	16	5-6	10.0	13.3	6.8	19.0	11	12-13	-0.3	19	7	3.3	9.8	33
3ª	60.2	67.6	25; 26	24;0	53.0	24	14,15	9.2	13.2	4.4	16.4	30	15	-3.3	26	7	3.9	9.8	40
MES	61.7	70.9	13	8	53.0	24	14,15	10.3	14.3	6.3	19.0	11	12-13	-3.3	26	7	3.4	9.8	35

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	90	100	varios	54	5	9.0	11.5	5.2	E	8	48	7	15	7	10-11	17	E	5	12.54	-	-	-	-	-	-
2ª	90	100	varios	47	19	8.2	12.0	4.2	N	12	60	20	21	20	9-10	28	SE S	16 18	5.18 13.11	68.6	64.1	15	9.2	16	3-4
3ª	88	100	varios	41	26	7.6	11.5	3.4	E	8	48	24, 27	18	27	12-13	28	E	24	10.39	32.2	19.0	22	5.0	22	20-21
MES	90	100	varios	41	26	8.3	12.0	3.4	N	10	60	20	21	20	9-10	28	SE E	16 18 24	5.18 13.11 10.39	100.8	64.1	15	9.2	16	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	7	1	7	5	1	-	-	-	-	-	-	-	-	-	-	-	-
2ª	7	-	1	2	-	-	-	2	3	-	-	-	-	-	-	1	-
3ª	5	-	3	1	1	-	-	1	1	-	-	-	-	-	-	2	2
MES	19	1	11	8	2	-	-	3	4	-	-	-	-	-	-	3	2

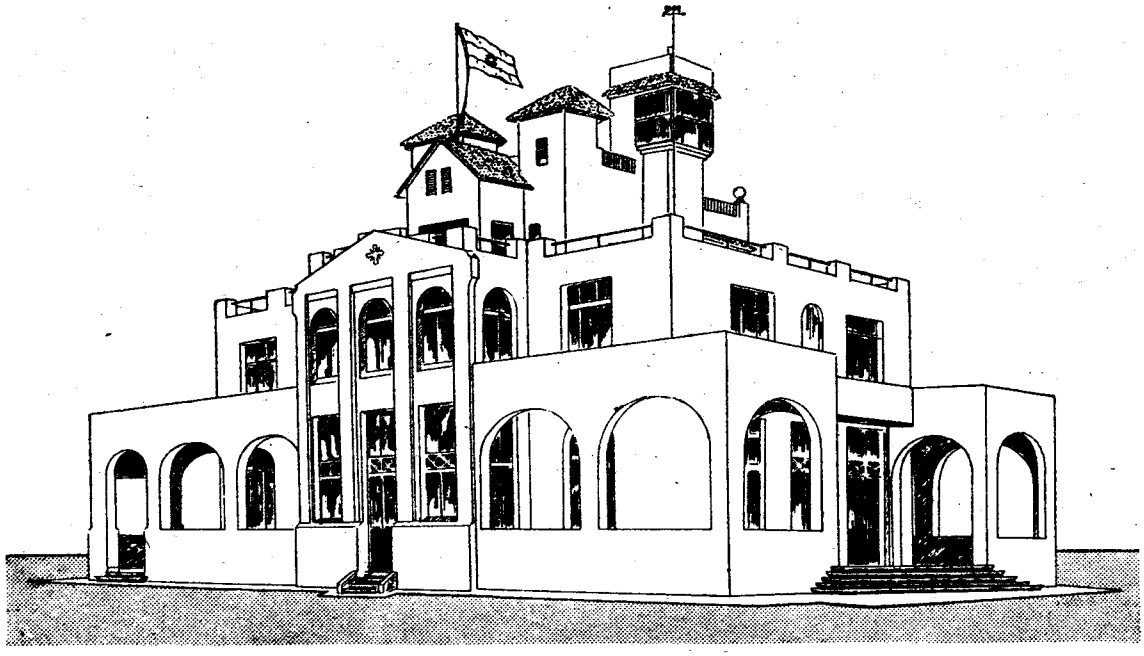
DÉCADA	FENÓMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
	⌒	⌴	V	▼	⊠	⊕	⊖	⊕	⊖	⌒	⋈	◔	◔	⩛	⩛	⩛
1ª	7	-	-	-	-	1	-	-	-	-	-	1	2	-	-	-
2ª	5	1	-	-	-	-	1	-	2	-	-	-	5	1	-	-
3ª	5	3	-	-	-	-	2	-	2	-	-	1	5	1	-	-
MES	17	4	-	-	-	1	3	-	4	-	-	2	12	2	-	-

OBSERVATORIO DE FISICA COSMICA

DE

SAN MIGUEL (R. ARGENTINA)

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



BOLETIN MENSUAL

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VOLUMEN VIII

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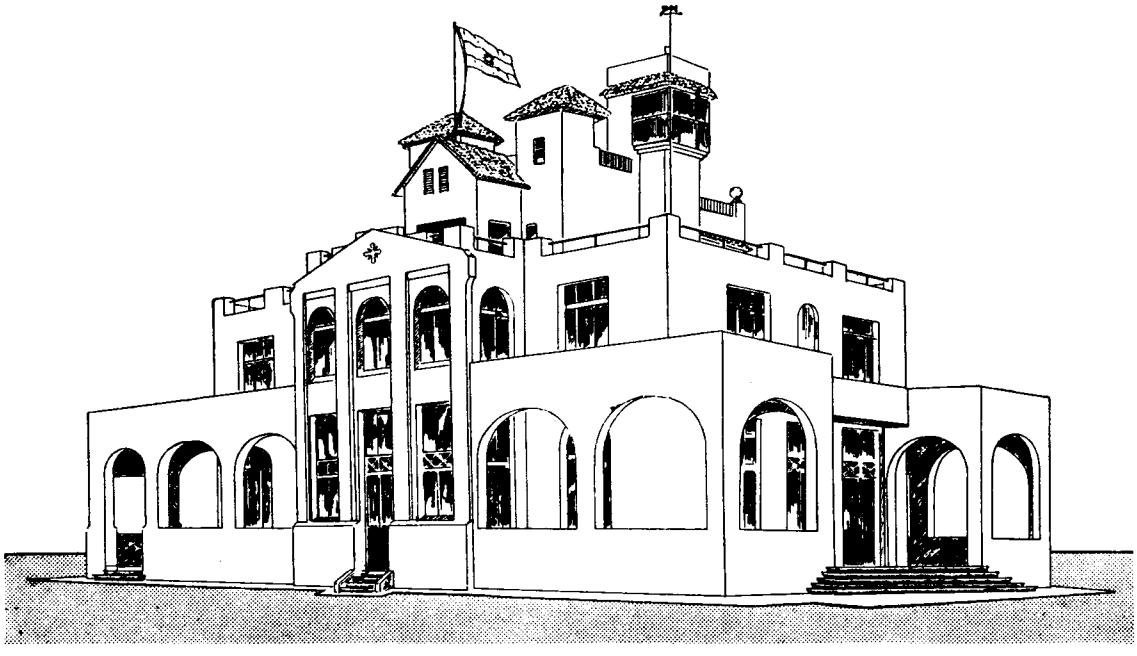
OBSERVATORIO DE FISICA COSMICA

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
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VIII — JULIO 1953 — Nº 7

RESUMEN MENSUAL

Al principio del mes un anticiclón frío se encuentra sobre el sud y centro de la República. En la parte anterior del anticiclón sopla una intensa corriente desde el sector sud que transporta consigo aire de origen antártico. Por lo tanto durante los primeros cinco días la temperatura desciende en forma continua, que ya estaba por debajo de su término medio desde los últimos días del mes anterior. Al mismo tiempo sube la presión atmosférica en forma marcada y alcanza el día 5 el valor más alto del mes con 772.1 mmHg, por estar ese día el centro del anticiclón mencionado atravesando la zona del Río de la Plata. En la segunda mitad de la década termina el aflujo de aire frío y la temperatura sube en forma muy lenta, pero sin alcanzar valores normales para esta estación del año registrándose otro empuje de aire frío el día 9.

En la noche del 10 al 11 cambia por primera vez en este mes el viento al sector norte y la temperatura sube en forma muy marcada. En los días siguientes reina tiempo bueno con una aeromasa de origen tropical. El pasaje de un débil frente frío ocurrido el día 13 no altera el estado general del tiempo, más bien activa la afluencia de aeromasas calientes desde el norte, en forma tal que el día 16, aire tropical avanza hasta el Río de la Plata. En este día temperatura y humedad alcanzan los valores más altos del mes con 22.1°C y 15.0 mmHg respectivamente. En una zona frontal entre esta aeromasa y una masa fría proveniente de la Patagonia baja la presión al nivel mínimo del mes el día 17. Al mismo tiempo se producen lluvias y un descenso de temperatura. Avanza en forma rápida una corriente de aire frío que origina la ola fría más intensa y larga de todo el invierno. En este lapso se registra no sólo la temperatura más baja del mes sino también del invierno con -7.5°C el día 19 (10° por debajo de la normal). Es también el día con la tensión de vapor mínima mensual (2.4 mmHg).

En los primeros días de la última década, aire frío sigue cubriendo todo el país con alta presión atmosférica, poco movimiento del aire, tiempo bueno y temperaturas alrededor de 8°C por debajo del valor medio. Recién el 25 finaliza este período de frío intenso, en que día a día la temperatura mínima descendió por debajo del punto de congelación y la temperatura máxima apenas alcanzó los 10°C. El centro del anticiclón frío se desplaza hacia el noreste por lo cual empieza a soplar una corriente del norte llevando consigo aire caluroso y húmedo. El promedio diario de la temperatura aumenta en 4 días 10°C y la temperatura máxima alcanza de nuevo 20°C el día 27, empeorando las condiciones atmosféricas rápidamente. En una zona frontal entre esta aeromasa tropical y una más fresca avanzando desde la Patagonia se forma una depresión y llueve intensamente durante el día 28. Pasado el frente frío reina tiempo bueno y seco desde el 29 hasta el fin del mes con temperaturas de 3 a 4°C por debajo de la normal.

Los frecuentes y prolongados empujes de aire de origen polar se manifiestan en los promedios mensuales. La presión marca una desviación positiva de 1.5 mmHg mientras temperatura, humedad absoluta y relativa se encuentran por debajo de sus términos medios con 2.5°C, 1.9 mmHg y 10% respectivamente. El total mensual de lluvia es aproximadamente el normal para el mes de Julio.

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	48	55	62	76	83	104	124	124	159	186	213	186	159	172	179
2	179	172	186	233	172	193	193	179	166	172	179	166	138	166	179
3	41	28	28	21	21	21	28	62	34	34	48	48	55	55	69
4	-	-	-	-	-	-	-	-	-	-	28	62	90	97	117
5	124	145	152	166	172	131	172	179	265	233	220	166	117	104	90
6	193	145	145	186	152	213	213	252	226	159	193	233	193	152	138
7	200	259	172	104	62	55	55	-	-	-	-	-	-	-	97
8	110	124	152	179	186	200	291	345	333	226	179	138	124	124	145
9	131	159	159	246	226	213	207	193	179	138	124	117	110	104	69
10	69	110	124	131	97	110	145	152	131	117	145	145	152	124	124
11	166	272	304	506	402	350	193	200	239	272	220	159	159	159	284
12	152	172	186	179	186	179	193	213	220	252	291	252	239	252	239
13	69	69	97	76	69	76	83	55	90	117	117	117	124	124	131
14	117	124	110	131	152	131	186	193	239	252	246	310	297	239	233
15	-	-	-	-	-	-	-	-	69	110	152	138	179	213	186
16	-	-	-	-	-	$\pm\infty$	- 69	55	117	239	179	145	117	97	110
17	69	41	41	97	166	117	104	172	-131	55	34	259	97	239	104
18	152	159	104	97	90	90	104	117	159	179	179	186	166	124	124
19	145	172	131	104	138	172	159	166	172	259	239	159	145	124	145
20	159	124	159	186	213	233	239	207	220	166	124	166	104	110	124
21	284	226	207	200	233	166	172	220	226	265	246	159	124	104	117
22	284	291	259	200	179	193	207	239	252	259	193	179	138	226	159
23	226	220	207	145	138	166	152	186	207	179	186	166	152	131	152
24	-	-	-	-	-	-	-	-	-	-	-	131	131	138	138
25	159	145	159	117	152	97	97	159	124	90	110	104	110	124	131
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	83	83	97	90	90	97	104	117	124	117	124	104	90	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	69	90	104	110	104	-	110
30	172	179	166	179	193	166	166	152	152	124	110	104	138	138	145
31	186	207	179	166	179	207	226	265	259	252	207	172	152	166	213
Prom.	152.3	160.9	162.1	184.0	174.4	174.3	178.8	187.1	193.3	195.2	185.8	164.5	145.6	144.2	149.5

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	0.79	0.67	1.46	1.18	253	593	846	0.43	2.19	0.79
2	0.47	0.44	0.91	1.07	-	258	-	-	-	1.19
3	0.94	0.84	1.78	1.12	-	805	-	-	-	0.73
4	0.78	0.69	1.47	1.13	754	780	1534	0.97	0.72	0.62
5	-	-	-	-	384	221	605	1.74	-	-
6	0.54	0.43	0.97	1.25	-	156	-	-	-	1.92
7	0.65	0.58	1.23	1.12	-	289	-	-	-	1.40
8	0.60	0.47	1.07	1.28	-	263	-	-	-	1.25
9	0.87	0.74	1.61	1.17	-	568	-	-	-	0.92
10	0.94	0.82	1.76	1.15	414	606	1020	0.68	1.59	0.95
11	0.58	0.48	1.06	1.21	318	366	684	0.87	1.28	0.92
12	0.72	0.56	1.28	1.28	380	348	728	0.85	1.33	1.12
13	0.78	0.64	1.42	1.22	398	345	743	1.16	1.37	1.30
14	0.48	0.35	0.83	1.37	275	195	470	1.41	1.22	1.25
15	0.44	0.33	0.77	1.33	252	230	483	1.09	1.22	1.00
16	0.85	0.80	1.65	1.06	450	267	717	1.68	1.32	2.09
17	0.95	0.83	1.78	1.14	682	510	1192	1.34	0.97	1.14
18	0.96	0.79	1.75	1.22	771	691	1462	1.12	0.87	0.80
19	0.84	0.60	1.44	1.40	562	399	961	1.41	1.04	1.05
20	0.68	0.57	1.25	1.29	338	314	652	1.08	1.40	1.27
21	0.83	0.65	1.48	1.27	282	252	534	1.12	2.06	1.80
22	0.60	0.72	1.32	0.83	228	204	432	1.12	1.84	2.47
23	0.51	0.41	0.92	1.24	344	251	795	1.37	1.04	1.14
24	0.84	0.58	1.42	1.45	185	240	425	0.77	-	1.69
25	0.65	0.52	1.17	1.25	-	254	-	-	-	1.43
26	0.81	0.66	1.47	1.22	-	411	-	-	-	1.12
27	0.62	0.50	1.12	1.24	232	251	483	0.92	1.87	1.39
28	1.00	1.18	2.18	0.85	520	800	1320	0.65	1.34	1.03
29	1.10	0.98	2.08	1.13	730	752	1482	0.97	1.05	0.91
30	0.73	0.59	1.32	1.24	488	410	898	1.19	1.04	1.00
31	0.70	0.59	1.29	1.29	365	279	644	1.31	1.35	1.48
Prom.	0.76	0.65	1.41	1.17	444	392	836	1.13	1.20	1.16

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
186	159	186	193	186	172	193	186	152	147.6	226	28	193	0
166	138	69	97	104	76	93	62	76	148.1	284	21	263	0
62	14	- 55	76	-	-	-	-	-		124	-454	578	1*
-	-	-	-	-	-	138	117	124		179	- 14	193	1*
83	90	104	124	166	124	117	152	213	150.4	322	28	294	0
145	124	172	166	166	159	172	193	138	176.2	316	34	282	0
117	124	213	259	291	259	239	226	131		426	- 28	454	1*
172	193	172	179	220	138	145	145	159	182.4	380	28	352	0
69	97	104	159	166	138	104	83	83	140.8	272	28	244	0
104	117	117	159	179	213	213	179	213	140.4	259	69	190	0
259	226	207	233	297	252	220	193	166	247.4	710	- 62	772	1
207	179	233	278	272	179	124	110	90	203.2	460	69	391	0
145	166	152	172	145	138	172	152	104	115.0	220	28	192	0
239	186	166	200	246	124	246	-	-		357	00	357	0*
246	226	179	138	124	117	97	83	69		310	34	276	0*
124	159	179	159	124	62	28	97	97		∞	-∞	-	3*
166	145	110	110	110	104	83	104	172		564	-901	1465	2
124	131	138	159	145	117	110	104	117	132.3	207	28	179	0
166	207	541	611	402	339	252	166	179	220.5	710	97	613	0
124	166	193	252	278	297	284	265	265	194.1	333	28	305	0
110	117	159	220	207	152	226	284	239	194.3	333	55	278	0
220	145	179	200	186	179	207	124	138	201.5	414	- 55	469	1
117	90	76	-	-	-	-	-	-		333	69	264	0*
138	179	172	152	172	179	193	110	159		252	34	218	0*
138	152	152	226	186	159	83	-	-		310	41	269	0*
-	-	-	-	-	-	-	76	69		-	-	-	-
207	200	213	226	220	110	69	55	34		304	00	304	0*
-	-	-	-	-	-	-	-	-		-	-	-	-
117	124	200	186	166	-	138	186	166		246	- 48	294	0*
152	179	437	426	322	345	272	333	220	123.8	576	83	493	0
159	246	304	316	304	-	-	-	-		541	76	465	0*
152.0	152.1	197.7	226.8	215.1	188.6	181.5	170.7	159.5	175.1				

IONES PESADOS número "N" por cm³				CORRIENTE VERTICAL "1" . 10^{-7} U.E.S.	NÚCLEOS AITKEN
N^+	N^-	$N^+ + N^-$	N^+ / N^-	por cm²	por cm³
6247	7065	13312	0.89	7.18	24,500
9049	9016	18065	1.00	4.48	-
1981	2168	4149	0.91	-	18,250
2917	3364	6281	0.87	-	8,500
6771	7551	14322	0.90	-	-
10358	10468	20826	0.99	5.68	11,500
10959	11738	22697	0.94	-	14,250
7031	7211	14242	0.98	6.51	10,500
6023	5908	11931	1.02	7.55	30,750
5904	6274	12178	0.94	8.23	27,500
8784	8539	17323	1.03	8.75	-
6082	6680	12762	0.91	8.67	-
5722	6059	11781	0.95	5.46	18,500
12632	12774	25406	0.99	-	23,000
13873	14470	28343	0.96	-	36,000
6734	6732	13466	1.00	-	10,750
4222	4560	8782	0.92	-	11,000
3693	4062	7755	0.91	7.70	15,250
7154	6956	14110	1.03	10.60	13,250
7290	7661	14951	0.95	8.09	7,000
8478	8782	17260	0.96	9.59	12,250
13010	12974	25984	1.00	6.16	16,750
9982	10119	20101	0.98	-	14,000
12884	13276	26160	-	-	7,500
9873	10649	20522	0.93	-	10,000
7657	7715	15372	0.99	-	11,250
9046	9187	18233	0.98	-	13,000
2728	3401	6129	0.80	-	9,250
3516	3853	7369	0.91	-	5,000
6988	7664	14652	0.91	5.44	7,000
9646	10260	19906	0.94	-	6,250
7636	7944	15580	0.96	7.34	14,546

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	1.49	1.55	1.44	1.55	1.35	1.22	1.12	0.95	0.60	0.66	0.64	0.66
2	0.46	0.46	0.48	0.52	0.44	0.44	0.35	0.44	0.40	0.38	0.36	0.34
3	-	-	-	-	-	-	-	1.20	1.06	1.02	1.03	1.06
4	0.94	1.02	0.87	0.98	1.03	0.92	0.52	0.57	0.70	0.77	0.86	0.92
5	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	0.46	0.60	0.58	0.46
7	-	-	-	-	-	-	-	0.33	0.45	0.54	0.62	0.71
8	-	-	-	-	-	-	-	0.46	0.50	0.72	0.78	0.61
9	0.45	0.53	0.60	0.50	0.60	0.78	0.61	0.64	0.91	1.15	1.15	1.16
10	1.16	1.12	1.06	1.32	1.46	1.18	1.04	0.79	1.16	1.25	1.03	0.86
11	0.46	0.40	0.41	0.39	0.39	0.50	0.57	0.65	0.69	0.60	0.57	0.69
12	0.68	0.71	0.79	0.85	0.80	0.86	0.87	0.76	0.70	0.72	0.65	0.82
13	1.07	1.04	0.70	0.57	0.62	0.66	0.82	-	-	-	-	1.04
14	-	-	-	-	-	-	-	-	0.56	0.66	0.59	0.56
15	0.43	0.47	0.43	0.50	0.52	0.46	0.39	0.45	0.38	0.32	0.46	0.55
16	0.92	1.00	0.94	1.00	1.00	1.22	1.16	1.16	0.93	0.85	0.73	0.96
17	0.79	0.96	0.87	0.81	0.64	0.71	0.86	1.10	1.10	1.24	1.22	1.31
18	0.93	-	-	-	-	-	-	-	0.82	0.87	0.79	0.71
19	0.89	0.84	1.20	1.24	1.02	0.87	0.87	0.96	0.96	0.74	0.68	1.14
20	0.56	0.47	0.44	0.56	0.64	0.46	0.81	-	-	0.61	0.78	0.91
21	-	-	-	-	-	-	-	-	0.47	0.50	0.48	0.76
22	-	-	-	-	-	-	-	-	0.45	0.55	0.41	0.66
23	-	-	-	-	-	-	-	-	0.63	0.66	0.66	0.66
24	0.34	0.35	0.68	1.11	2.36	1.96	1.28	1.15	0.35	0.46	0.50	0.58
25	-	-	-	-	-	-	-	-	0.56	0.61	0.60	0.64
26	1.05	1.13	1.04	1.09	1.10	0.99	1.00	0.92	0.84	0.84	0.60	0.79
27	0.82	0.84	0.66	0.79	0.86	0.90	0.82	0.56	0.63	0.63	0.66	0.74
28	0.67	0.58	0.72	0.85	0.76	0.74	0.85	0.61	1.17	0.68	1.16	1.15
29	1.40	1.40	1.30	1.30	1.40	1.37	1.39	1.36	1.37	1.25	1.12	0.93
30	0.71	0.63	0.77	0.70	0.71	0.71	0.82	0.87	0.94	1.00	1.07	1.08
31	0.59	0.62	0.65	0.56	0.64	0.63	0.62	0.66	0.58	0.61	0.67	0.82
Promedio	0.80	0.81	0.80	0.86	0.92	0.88	0.84	0.79	0.73	0.74	0.74	0.81

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	1.51	1.41	1.24	1.36	1.15	0.96	0.73	0.73	0.48	0.58	0.60	0.56
2	0.37	0.37	0.29	0.29	0.36	0.33	0.25	0.29	0.36	0.32	0.29	0.27
3	-	-	-	-	-	-	-	0.96	1.08	1.02	0.92	1.08
4	0.91	0.98	0.73	0.89	0.94	0.64	0.45	0.45	0.68	0.74	0.84	0.78
5	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	0.39	0.44	0.40	0.34
7	-	-	-	-	-	-	-	0.32	0.55	0.42	0.69	0.48
8	-	-	-	-	-	-	-	0.34	0.42	0.60	0.60	0.58
9	0.36	0.34	0.49	0.42	0.56	0.56	0.56	0.40	0.70	1.06	0.96	1.12
10	0.94	0.94	0.87	1.02	1.39	1.14	0.79	0.87	1.15	1.27	0.86	0.82
11	0.34	0.30	0.33	0.27	0.34	0.40	0.46	0.50	0.53	0.46	0.46	0.72
12	0.55	0.56	0.58	0.69	0.60	0.64	0.55	0.54	0.55	0.53	0.58	0.69
13	0.94	0.86	0.49	0.42	0.52	0.60	0.62	-	-	-	-	0.60
14	-	-	-	-	-	-	-	-	0.32	0.48	0.44	0 38
15	0.34	0.34	0.27	0.34	0.36	0.32	0.28	0.28	0.27	0.24	0.36	0.44
16	0.82	1.02	0.95	0.90	1.02	1.02	1.53	1.28	0.87	0.76	0.82	0.90
17	0.84	0.94	0.76	0.70	0.56	0.66	0.73	0.80	1.23	1.01	1.12	0.85
18	0.65	-	-	-	-	-	-	-	0.68	0.69	0.68	0.60
19	0.63	0.61	0.82	0.62	0.58	0.42	0.46	0.58	0.63	0.61	0.64	0.98
20	0.51	0.60	0.36	0.42	0.49	0.52	0.79	-	0.55	0.60	0.70	0.86
21	-	-	-	-	-	-	-	-	0.34	0.36	0.34	0.53
22	-	-	-	-	-	-	-	-	0.30	0.40	0.34	0.51
23	-	-	-	-	-	-	-	-	0.46	0.51	0.55	0.53
24	0.25	0.27	0.69	1.12	1.30	1.04	1.12	1.52	0.29	0.37	0.46	0.53
25	-	-	-	-	-	-	-	-	0.44	0.50	0.50	0.52
26	0.90	0.92	0.77	0.82	0.98	1.11	0.76	0.62	0.74	0.62	0.53	0.69
27	0.76	0.68	0.55	0.64	0.70	0.66	0.60	0.46	0.53	0.51	0.50	0.58
28	0.51	0.58	0.62	0.73	0.67	0.73	1.13	2.02	1.20	1.29	1.32	1.06
29	1.48	1.40	1.32	1.28	1.41	1.38	1.41	1.36	1.24	1.04	0.88	0.87
30	0.48	0.50	0.53	0.46	0.51	0.53	0.60	0.91	0.80	0.89	0.94	1.00
31	0.40	0.32	0.48	0.36	0.38	0.40	0.36	0.40	0.46	0.55	0.64	0.62
Promedio	0.69	0.70	0.66	0.69	0.74	0.70	0.71	0.74	0.63	0.65	0.65	0.69

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
0.59	0.63	0.47	0.50	0.55	0.50	0.42	0.38	0.40	0.40	0.46	0.46	0.79
0.33	0.37	0.60	0.61	0.52	0.40	0.53	0.96	-	-	-	-	0.47
1.32	1.28	1.01	1.10	1.20	0.58	0.53	0.55	0.74	0.79	0.65	0.85	0.94
0.90	0.95	0.70	0.92	0.77	0.60	0.44	0.38	0.64	-	-	-	0.78
-	-	-	-	-	-	-	-	-	-	-	-	-
0.49	0.51	0.46	0.73	-	-	-	-	-	-	-	-	0.54
0.68	0.88	0.78	0.68	0.84	-	-	-	-	-	-	-	0.65
0.87	0.89	0.81	0.85	0.54	0.38	0.34	0.43	0.55	0.55	0.52	0.48	0.60
1.05	1.14	0.94	1.00	1.04	0.97	0.84	0.86	0.89	0.96	0.95	1.11	0.87
0.92	0.80	0.86	0.86	1.04	1.02	0.76	0.62	0.56	0.47	0.58	0.54	0.94
0.70	0.70	0.66	0.47	0.60	0.56	0.60	0.69	0.58	0.64	0.60	0.76	0.58
0.86	0.76	0.63	0.65	0.69	0.40	0.37	0.48	0.72	0.86	0.74	0.97	0.72
0.76	0.82	0.71	0.85	0.84	0.94	0.79	0.32	0.94	0.53	-	-	0.78
0.50	0.46	0.48	0.39	0.45	0.34	0.33	0.31	0.54	0.46	0.57	0.44	0.48
0.50	0.42	0.54	0.38	0.29	0.29	0.34	0.35	0.33	0.44	0.64	0.78	0.44
0.92	0.99	1.02	1.04	1.02	0.90	0.36	0.38	0.41	0.46	0.51	0.49	0.85
0.50	0.60	0.82	0.82	0.72	1.07	1.02	1.19	1.18	1.08	1.04	1.20	0.95
0.84	0.95	1.04	1.00	1.08	1.13	0.96	0.94	1.04	1.11	1.13	0.99	0.96
1.08	1.04	0.98	1.04	1.01	0.61	0.43	0.41	0.46	0.57	0.44	0.60	0.84
0.81	0.76	0.81	0.90	0.64	0.56	0.52	0.56	0.71	0.66	1.01	-	0.68
0.70	0.89	0.87	0.86	0.78	0.60	0.49	0.43	1.22	1.68	1.01	1.57	0.83
0.52	0.38	0.90	0.96	-	-	-	-	-	-	-	-	0.60
0.63	0.63	0.62	0.56	0.58	0.46	0.38	0.34	0.28	0.25	0.48	0.40	0.51
0.62	0.76	0.74	0.76	0.68	0.48	-	-	-	-	-	-	0.84
0.70	0.78	0.76	0.68	0.68	0.52	0.42	0.50	0.50	0.71	0.79	0.98	0.65
0.84	0.72	0.74	0.71	0.49	0.33	0.40	0.42	0.62	0.84	0.87	1.02	0.81
0.74	0.70	0.63	0.56	0.46	0.42	0.38	0.30	0.32	0.35	0.46	0.72	0.62
1.12	1.06	0.48	0.86	1.48	1.38	1.17	1.26	1.51	1.34	1.19	1.17	1.00
0.88	0.97	1.00	0.96	1.09	1.00	0.80	1.02	0.95	0.96	0.56	0.60	1.10
0.85	0.91	0.88	0.83	0.92	0.47	0.38	0.42	0.46	0.52	0.36	0.52	0.73
0.69	0.82	0.50	0.78	0.74	0.36	0.36	0.42	1.07	1.05	1.02	1.46	0.70
0.76	0.78	0.75	0.78	0.78	0.64	0.55	0.57	0.70	0.74	0.72	0.82	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
0.58	0.58	0.40	0.42	0.42	0.33	0.32	0.30	0.32	0.32	0.34	0.36	0.67
0.29	0.34	0.46	0.46	0.36	0.38	1.01	1.70	-	-	-	-	0.44
1.24	1.18	0.72	1.03	1.02	0.53	0.48	0.38	0.64	0.73	0.64	0.71	0.84
0.84	0.86	0.56	0.76	0.58	0.48	0.39	0.58	0.40	-	-	-	0.69
-	-	-	-	-	-	-	-	-	-	-	-	-
0.39	0.42	0.36	0.73	-	-	-	-	-	-	-	-	0.43
0.62	0.74	0.64	0.46	0.92	-	-	-	-	-	-	-	0.58
0.80	0.79	0.64	0.36	0.43	0.40	0.36	0.28	0.34	0.45	0.28	0.28	0.47
1.01	1.00	0.88	0.94	0.96	0.85	0.69	0.67	0.74	0.90	0.78	0.92	0.74
0.92	0.79	0.81	0.67	0.97	0.86	0.58	0.53	0.40	0.36	0.40	0.39	0.82
0.62	0.62	0.50	0.42	0.55	0.50	0.50	0.50	0.48	0.57	0.53	0.67	0.48
0.76	0.66	0.53	0.55	0.46	0.25	0.27	0.32	0.60	0.64	0.58	0.89	0.56
0.75	0.70	0.73	0.73	0.60	0.62	0.63	0.43	0.89	0.21	-	-	0.64
0.37	0.36	0.40	0.30	0.36	0.23	0.25	0.23	0.38	0.36	0.40	0.31	0.35
0.40	0.38	0.40	0.27	0.20	0.22	0.24	0.27	0.27	0.32	0.46	0.61	0.33
0.77	0.86	0.92	0.82	0.64	0.66	0.48	0.30	0.39	0.56	0.48	0.54	0.80
0.50	0.53	0.64	0.77	0.62	0.78	0.74	0.82	0.96	0.88	0.87	1.66	0.83
0.74	0.94	0.86	0.82	0.84	1.00	0.72	0.54	0.92	1.12	0.92	0.66	0.79
1.04	0.98	0.78	0.75	0.78	0.40	0.28	0.25	0.25	0.40	0.42	0.48	0.60
0.69	0.76	0.62	0.70	0.47	0.34	0.32	0.30	0.44	0.44	1.06	-	0.57
0.56	0.73	0.70	0.74	0.60	0.34	0.32	0.52	1.31	1.77	0.60	0.64	0.65
0.44	0.32	1.22	2.27	-	-	-	-	-	-	-	-	0.72
0.48	0.50	0.46	0.45	0.53	0.31	0.29	0.28	0.22	0.32	0.34	0.32	0.41
0.53	0.64	0.58	0.62	0.49	0.38	-	-	-	-	-	-	0.68
0.62	0.68	0.57	0.48	0.55	0.40	0.36	0.37	0.44	0.64	0.55	0.78	0.52
0.74	0.62	0.53	0.47	0.37	0.27	0.36	0.37	0.51	0.64	0.79	0.83	0.66
0.66	0.55	0.48	0.42	0.37	0.33	0.31	0.27	0.27	0.32	0.37	0.57	0.50
0.96	1.07	1.42	1.62	1.12	1.42	1.40	1.52	1.60	1.50	1.32	1.48	1.18
0.80	0.90	0.86	0.94	1.00	0.70	0.50	0.76	0.76	0.62	0.30	0.36	0.98
0.84	0.88	0.78	0.70	0.66	0.25	0.28	0.32	0.36	0.38	0.24	0.40	0.59
0.65	0.70	0.52	0.60	0.40	0.27	0.27	0.51	0.83	1.28	1.44	1.29	0.59
0.69	0.70	0.66	0.71	0.62	0.50	0.48	0.51	0.59	0.66	0.62	0.69	0.65

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	260	260	260	347	260	260	260	174	174	260	260	260
2	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	782	868	955	1035
5	521	347	347	434	260	434	347	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	174	174	174	174	174	260	347	260	434	608	608	782
12	260	260	260	347	434	434	434	347	347	434	608	521
13	608	521	347	260	260	347	347	434	434	434	434	434
14	347	347	347	260	260	260	260	260	260	434	434	434
15	260	260	260	260	260	174	174	174	-	-	-	-
16	347	434	434	434	434	347	565	608	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	707	521	521	782	782	782	707	521	868	1035	955	868
19	521	434	707	608	608	521	434	434	608	695	868	955
20	260	260	260	260	347	347	434	434	347	434	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	174	174	174	174	174	174	174	174	260	260	347	521
23	174	174	260	434	347	521	347	434	434	608	707	707
24	174	174	174	174	174	174	174	260	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	347	260	347	434	347	347	782	521	608	260	608	608
29	707	782	707	707	707	707	707	782	868	1115	1194	1035
30	434	347	347	347	347	434	434	434	608	782	868	1035
31	260	260	260	260	174	260	347	303	347	521	707	707
Promedio	363	333	344	372	353	377	404	386	492	583	682	707

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	905	905	976	1052	676	526	451	526	376	828	1052	905
2	226	150	150	150	150	150	188	150	150	150	75	150
3	676	676	526	828	676	676	676	676	676	676	676	828
4	976	976	976	1120	976	754	752	672	976	1120	1250	1320
5	226	150	150	150	150	150	150	75	75	150	419	526
6	150	150	226	150	150	150	150	226	150	150	150	150
7	150	150	150	150	150	226	226	150	150	150	226	226
8	150	150	150	150	150	226	75	150	150	150	376	602
9	150	75	75	75	150	226	150	150	301	974	1730	1595
10	451	526	451	376	752	457	301	301	1036	1595	1390	1120
11	226	150	150	150	75	150	312	312	376	676	828	1120
12	312	312	312	376	312	312	226	376	376	451	602	602
13	526	602	344	312	312	376	451	451	376	526	526	451
14	75	150	150	150	150	150	226	150	150	231	226	376
15	226	150	150	150	226	226	226	150	226	150	376	451
16	376	451	451	451	376	451	-	-	231	150	226	312
17	312	376	376	226	226	263	312	376	1074	932	976	752
18	231	-	-	-	-	-	-	-	828	1188	1188	976
19	226	150	226	226	226	150	150	150	269	376	494	1184
20	226	312	312	312	226	226	226	301	344	451	864	602
21	150	150	150	150	150	226	226	150	150	150	226	527
22	150	150	150	150	150	150	150	150	150	150	312	527
23	75	75	75	150	150	150	150	150	269	494	752	752
24	150	150	150	150	226	150	312	226	150	312	312	312
25	150	150	150	150	231	150	226	226	312	312	376	376
26	526	526	526	451	451	602	526	376	526	451	451	451
27	376	312	312	312	376	312	226	226	226	226	226	312
28	312	376	312	376	376	376	955	-	-	1530	1120	820
29	828	828	905	828	905	752	676	905	905	1250	1460	1250
30	150	226	226	150	150	226	226	312	526	752	976	1120
31	150	150	150	150	150	150	75	75	226	376	676	752
Promedio	317	322	314	319	314	303	310	291	391	551	662	692

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
260	-	-	-	-	-	-	-	-	-	-	-	253
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
1035	955	868	868	782	608	608	608	608	521	347	608	754
-	-	-	-	-	-	-	-	-	-	-	-	384
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	1035	608	434	347	260	260	260	260	260	414
707	347	260	150	260	260	260	260	174	260	260	260	318
521	434	260	260	260	260	260	260	434	434	434	608	380
347	434	434	434	434	434	434	434	347	347	260	347	398
347	260	347	260	260	174	174	174	174	174	174	174	275
-	-	-	-	-	-	-	-	-	260	347	347	252
-	-	-	-	-	-	-	-	-	-	-	-	450
-	-	-	-	-	-	-	608	782	707	608	707	682
955	1115	955	868	868	743	608	608	707	707	707	608	771
955	955	868	608	707	347	260	260	260	347	260	260	562
-	-	-	-	-	-	-	-	-	-	-	-	338
-	-	-	-	521	347	260	174	174	260	260	260	282
434	260	260	174	260	260	174	174	174	174	174	174	228
-	-	-	-	347	174	260	260	174	174	174	174	344
-	-	-	-	-	-	-	-	-	-	-	-	185
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
347	260	260	174	260	174	174	174	174	174	260	347	232
521	434	521	260	782	707	608	571	782	707	608	521	520
868	782	782	707	707	608	608	608	608	521	347	347	730
955	955	608	608	434	347	260	260	260	174	174	260	488
782	707	434	608	608	260	174	174	174	174	174	86	365
645	608	527	501	506	384	342	345	369	354	324	353	444

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
976	976	676	602	526	312	150	150	150	150	150	226	593
150	150	376	451	226	226	226	376	376	376	676	752	258
1188	1120	1120	1052	1052	1120	905	715	602	828	676	676	805
1320	1120	976	828	565	376	226	376	451	312	150	150	780
451	451	451	376	226	150	150	150	150	150	75	150	221
150	226	150	150	150	150	150	150	150	150	75	150	156
376	1250	905	752	343	226	150	150	226	150	150	150	289
676	905	676	226	226	226	226	150	150	150	150	75	263
1188	1120	1052	1052	752	602	376	312	312	376	376	457	568
905	976	1052	976	602	376	226	150	150	150	75	150	606
976	451	226	226	312	312	312	312	226	226	312	376	366
526	312	226	226	150	226	226	312	376	312	376	526	348
376	376	376	376	231	312	226	226	150	150	75	150	345
226	226	312	312	226	226	226	150	150	150	150	150	195
312	312	376	226	150	150	226	226	150	150	226	312	230
312	312	312	269	150	150	150	150	150	150	150	150	267
602	376	188	312	344	526	676	526	564	602	676	639	510
1048	1220	1052	752	676	376	376	312	312	451	451	312	691
1120	1052	905	601	457	226	226	226	150	150	312	312	399
526	526	451	312	150	226	150	188	150	150	150	150	314
526	601	602	526	376	226	75	188	75	150	150	150	252
451	226	226	226	312	226	150	150	150	150	150	150	204
526	451	226	226	150	150	231	150	150	226	150	150	251
602	602	376	226	226	226	150	150	150	150	150	150	240
312	376	376	312	226	150	150	150	150	312	312	451	254
526	451	376	226	150	226	150	226	312	451	451	451	411
312	226	150	226	226	226	226	150	150	150	226	312	251
526	676	-	-	1120	905	1120	1113	1052	1047	905	976	800
1052	976	905	905	752	451	226	312	376	226	150	226	752
1047	1120	602	526	312	150	226	226	150	150	150	150	410
828	676	382	451	312	150	150	150	150	150	150	75	279
649	640	536	464	377	309	276	267	257	272	270	298	392

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	898	898	898	898	898	1795	1795	2690	4490	4490	4490	6295
2	9860	9860	8950	8950	8950	9860	26000	16130	13430	13430	11690	-
3	898	1795	1795	1795	1795	1795	1795	1795	1795	1795	1795	1795
4	898	1795	898	898	898	898	1795	1795	1795	2690	2690	2690
5	4490	4490	5380	4490	8060	4490	4490	6295	4490	5380	6295	2690
6	8950	10770	8060	8950	8950	9860	12590	13430	11690	5380	4490	8950
7	11690	13430	14350	16130	15250	15250	17050	15250	8060	6295	5380	4490
8	4490	4490	6295	5380	5380	4490	5380	7180	8060	6295	5380	4490
9	10770	8950	6295	9860	7180	5380	7180	6295	4490	3585	4490	3585
10	3585	2690	3585	2690	2690	2690	3585	4490	4490	4490	6295	7180
11	17050	10770	15250	14350	10770	8950	5380	4490	5380	8060	8060	8060
12	4490	4490	4490	2690	3585	3585	5380	4490	4490	4490	5380	4490
13	2690	2690	6295	8950	6295	5380	4490	4490	6295	6295	6295	3585
14	5380	6295	7180	8060	11690	15250	11690	14350	13430	9860	8950	11690
15	6295	7180	7180	8060	6295	8060	9860	13430	20700	27800	11690	8060
16	2690	2690	2690	1795	3585	2690	3585	6295	6295	6295	4490	2690
17	5380	4490	4490	3585	7180	4490	4490	3585	1795	1795	2690	2690
18	2690	-	-	-	-	-	-	-	3585	3585	4490	5380
19	3585	5380	3585	3585	5380	4490	4490	7180	7180	6295	4490	2690
20	8060	5380	8060	6295	7180	8060	6295	8060	9860	7180	5380	4490
21	8950	9860	6295	5380	7180	8060	8060	11690	10770	8950	6295	5380
22	10770	12590	10770	10770	9860	10770	10770	15250	17950	10770	11690	7180
23	13430	12590	8060	5380	4490	4490	7180	8060	6295	6295	6295	7180
24	17050	18870	14350	13430	15250	14350	15250	20350	35000	9860	7180	6295
25	9860	12590	15250	8060	8060	7180	6295	11690	-	-	-	-
26	-	-	-	-	-	-	-	-	-	4490	5380	4490
27	2690	3585	5380	3585	2690	2690	3585	5380	8060	7180	6295	5380
28	3585	3585	4490	2690	3585	3585	2690	8060	6295	4490	2690	1795
29	1795	898	898	898	898	898	898	898	1795	1795	2690	3585
30	4490	5380	4490	4490	4490	5380	4490	4490	4490	3585	3585	3585
31	8060	8950	8950	10770	6295	7180	8060	6295	7180	6295	4490	4490
Promedio	6517	6808	6712	6306	6373	6277	7055	8065	8263	6640	5717	5012

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	1795	1795	1795	1795	1795	1795	3585	2690	7180	5380	6295	7180
2	11690	9860	8950	8950	10770	10770	17050	17950	15250	15250	-	-
3	1795	2690	2690	1795	1795	1795	2690	1795	1795	1795	1795	1795
4	1795	1795	1795	898	1795	2690	1795	1795	2690	3585	3585	2690
5	3585	8060	4490	7180	8950	3585	11690	6295	5380	6295	4490	3585
6	10770	9860	9860	8950	8950	8060	10770	10770	10770	5380	8060	8060
7	13430	14350	15250	17950	17050	17950	18870	16130	7180	7180	5380	3585
8	6295	4490	4490	5380	5380	7180	6295	8060	7180	8060	4490	4490
9	10770	8060	6295	8060	5380	5380	6295	5380	3585	4490	4490	5380
10	3585	3585	3585	2690	2690	4490	4490	4490	4490	3585	8060	7180
11	9860	13430	13430	11690	8060	6295	5380	5380	6295	8060	16130	9860
12	4490	4490	4490	4490	4490	4490	4490	5380	5380	5380	5380	4490
13	2690	3585	6295	8060	7180	5380	6295	8060	5380	5380	5380	4490
14	5380	7180	8060	7180	10770	7180	15250	14350	11690	7180	8950	13430
15	7180	8950	6295	8060	7180	8950	11690	17050	26900	23360	9860	8060
16	2690	2690	2690	2690	4490	1795	8950	3585	4490	6295	5380	4490
17	4490	4490	5380	6295	6295	4490	8060	2690	2690	1795	2690	3585
18	3585	-	-	-	-	-	-	-	3585	4490	5380	5380
19	4490	4490	2690	3585	3585	4490	6295	4490	6295	6295	4490	3585
20	5380	7180	10770	8060	8060	8950	8060	6295	8060	7180	4490	4490
21	9860	6295	5380	7180	8060	8060	9860	10770	8950	7180	8060	4490
22	11690	11690	11690	10770	9860	11690	11690	17050	16130	9860	7180	7180
23	13430	12590	5380	5380	5380	5380	7180	5380	5380	5380	6295	7180
24	16130	17050	16130	15250	15250	18870	20700	22400	30580	8950	8060	5380
25	11690	17050	13430	7180	8060	6295	8060	13430	-	-	-	-
26	-	-	-	-	-	-	-	-	-	6295	4490	4490
27	3585	3585	3585	3585	3585	4490	4490	6295	6295	8060	6295	5380
28	4490	4490	4490	3585	3585	3585	8060	9860	6295	3585	2690	2690
29	1795	1795	1795	1795	1795	1795	1795	1795	1795	2690	3585	3585
30	5380	5380	4490	4490	5380	5380	4490	3585	4490	3585	4490	4490
31	6295	6295	10770	7180	7180	8060	6295	8060	6295	6295	10770	4490
Promedio	6670	7146	6744	6557	6648	6528	8297	8319	8016	6610	6093	5350

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
7180	6295	8950	10770	8060	9860	9860	12590	12590	11690	11690	9860	6247
-	-	7180	7180	8060	8950	6295	4490	3585	3585	2690	898	9049
1795	1795	2690	1795	1795	2690	2690	3585	2690	1795	1795	1795	1981
2690	2690	2690	3585	4490	5380	6295	4490	3585	3585	6295	4490	2917
3585	3585	4490	3585	3585	6295	8060	11690	15250	20700	10770	9860	6771
6295	6295	6295	13430	14350	15250	15250	11690	11690	12590	11690	11690	10358
3585	2690	4490	4490	3585	11690	11690	13430	20700	20700	17050	6295	10959
4490	3585	8950	5380	7180	10770	12590	11690	11690	9860	7180	8060	7031
6295	6295	5380	4490	5380	6295	6295	6295	6295	4490	4490	4490	6023
8060	8950	7180	6295	4490	6295	6295	8950	9860	9860	8060	8950	5904
8060	8060	11690	12590	6295	10770	8060	6295	8060	5380	4490	4490	8784
4490	5380	6295	6295	8060	20350	16130	11690	5380	3585	3585	2690	6082
4490	3585	5380	5380	6295	6295	6295	6295	8060	7180	8950	5380	5722
13430	17050	13430	15250	17050	22400	18870	17950	17050	9860	8060	8950	12632
9860	15250	10770	16130	23360	23360	25150	26000	27800	11690	5380	3585	13873
2690	2690	2690	2690	2690	9860	12590	9860	23360	20700	15250	10770	6734
8060	9860	8060	4490	5380	2690	3585	2690	2690	2690	2690	1795	4222
5380	2690	2690	3585	3585	3585	4490	4490	3585	3585	2690	2690	3693
3585	3585	4490	5380	4490	9860	20350	20350	14350	8950	11690	6295	7154
4490	4490	4490	2690	4490	6295	9860	10770	9860	11690	10770	10770	7290
4490	4490	4490	4490	6295	6295	9860	20350	11690	11690	11690	10770	8478
8060	11690	13430	14350	14350	15250	17950	16130	16130	15250	15250	15250	13010
8060	8950	9860	8950	8950	1795	12590	23360	14350	17050	17050	18870	9982
5380	4490	8950	3585	5380	13430	21520	10770	9860	11690	14350	12590	12884
-	-	-	-	-	-	-	-	-	-	-	-	9873
3585	3585	3585	5380	12590	17950	17050	17050	8950	4490	3585	2690	7657
4490	5380	5380	8950	13430	17950	23360	28730	23360	16130	8950	4490	9046
2690	2690	1795	898	1795	898	898	898	2690	898	898	898	2728
4490	4490	4490	4490	5380	6295	6295	5380	5380	5380	7180	7180	3516
5380	4490	6295	5380	4490	10770	13430	17050	13430	13430	10770	9860	6988
5380	4490	9860	3585	8060	11690	15250	14350	17050	17950	17950	18870	9646
5535	5847	6547	6518	7446	10042	11630	11979	11367	9937	8765	7509	7636

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
8060	8950	9860	9860	9860	10770	11690	13430	11690	11690	10770	9860	7065
-	-	7180	6295	8950	7180	8060	4490	4490	3585	1795	1795	9016
2690	2690	1795	1795	1795	3585	3580	1795	2690	1795	1795	1795	2168
2690	2690	3585	3585	4490	5380	4490	4490	3585	4490	6295	8060	3364
4490	3585	4490	3585	4490	8060	11690	17950	17950	13430	9860	8060	7551
5380	6295	8060	14350	15250	15250	15250	11690	11690	12590	12590	12590	10468
3585	3585	4490	4490	7180	9860	17050	14350	18870	22400	15250	6295	11738
3585	4490	4490	5380	8950	9860	13430	13430	11690	8060	8060	9860	7211
7180	6295	4490	5380	5380	6295	8060	6295	6295	4490	4490	3585	5908
8060	8950	7180	5380	6295	8060	9860	8060	8950	9860	8060	8950	6274
8950	9860	9860	-	9860	9860	6295	6295	6295	5380	5380	4490	8539
5380	5380	6295	15250	9860	20350	13430	10770	4490	4490	4490	2690	6680
4490	4490	5380	6295	6295	6295	6295	7180	7180	9860	7180	6295	6059
12590	16130	14350	17050	20700	26900	20350	20700	14350	8060	9860	8950	12774
11690	16130	10770	20700	25150	29600	26000	26000	18870	10770	4490	3585	14470
2690	2690	3585	2690	4490	10770	3585	20700	21520	18870	11690	8060	6732
8060	10770	7180	3585	4490	3585	3585	3585	3585	3585	2690	1795	4560
5380	2690	3585	3585	3585	4490	3585	4490	4490	3585	3585	3585	4062
3585	4490	4490	5380	5380	15250	18870	16130	10770	8060	11690	8060	6956
5380	5380	4490	3585	6295	8950	9860	9860	9860	10770	11690	10770	7661
5380	4490	6295	5380	6295	7180	17050	17050	14350	14350	9860	8950	8782
10770	13430	9860	11690	13430	17050	15250	17950	16130	17950	17050	14350	12974
8950	9860	8950	8950	1795	12590	15250	17950	16130	18870	20350	18870	10119
6295	4490	2690	4490	6295	17050	25150	8060	9860	16130	12590	10770	13276
-	-	-	-	-	-	-	-	-	-	-	-	10649
2690	4490	4490	8060	15250	16130	17050	15250	7180	3585	3585	2690	7715
5380	5380	6295	12590	13430	20350	27800	24200	20700	14350	6295	4490	9187
2690	1795	2690	2690	1795	1795	1795	1795	1795	1795	1795	1795	3401
4490	5380	4490	5380	5380	6295	6295	5380	6295	4490	6295	6295	3853
15250	6295	6295	5380	6295	10770	16130	15250	13430	9860	12590	10770	7664
4490	5380	-	4490	8060	13430	13430	17050	17050	21520	20700	22400	10260
6217	6432	6126	7149	8226	11433	12341	12052	10741	9957	8761	7684	7944

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	- 8.4	-10.1	- 5.0	- 8.4	- 3.7	- 5.0	-11.8	-10.1	- 3.4	- 5.0	- 6.7	- 8.4	-10.1
2	- 5.0	- 5.0	- 6.7	- 8.4	- 8.4	- 8.4	- 8.4	- 3.7	- 3.7	-10.1	- 6.7	- 8.4	-10.1
3	- 6.7	- 6.7	- 6.7	- 3.4	- 3.4	- 8.4	- 8.4	- 5.0	- 1.7	- 3.4	- 3.4	- 3.4	- 5.0
4	2.9	- 3.4	- 3.4	- 3.4	- 3.4	- 3.4	- 5.0	- 3.4	- 5.0	- 3.4	- 6.7	- 3.4	- 5.0
5	1.4	- 3.4	2.9	- 6.7	- 3.4	- 1.7	- 1.7	1.4	- 3.4	2.9	- 1.7	1.4	1.4
6	1.4	1.4	- 1.7	2.9	4.3	1.4	- 3.4	4.3	2.9	1.4	- 1.7	2.9	- 1.7
7	- 6.7	- 1.7	2.9	2.9	2.9	1.4	- 1.7	2.9	5.8	4.3	2.9	4.3	- 1.7
8	2.9	- 1.7	- 1.7	4.3	7.2	2.9	1.4	- 1.7	2.9	2.9	- 3.4	- 3.4	- 3.4
9	4.3	2.9	1.4	4.3	5.8	2.9	-	1.4	- 5.0	- 1.7	- 5.0	- 1.7	1.4
10	- 1.7	- 1.7	1.4	2.9	2.9	1.4	- 1.7	1.4	1.4	- 1.7	1.4	1.4	- 1.7
11	2.9	2.9	2.9	1.4	1.4	- 8.4	- 8.4	- 6.7	- 6.7	- 6.7	- 5.0	1.4	2.9
12	-	-	-	-	-	-	-	-	18.8	18.8	15.9	14.4	11.6
13	17.3	17.3	23.1	20.2	23.1	-	-	15.9	18.8	17.3	13.0	15.9	14.4
14	20.2	24.6	31.8	37.6	46.2	43.4	47.7	44.8	44.8	39.0	18.8	8.7	7.2
15	7.2	2.9	2.9	4.3	5.8	5.8	4.3	5.8	2.9	1.4	1.4	2.9	- 1.7
16	5.8	2.9	2.9	1.4	4.3	- 1.7	4.3	5.8	5.8	2.9	- 3.4	- 1.7	- 3.4
17	- 5.0	- 8.4	- 6.7	- 6.7	- 6.7	-10.1	- 6.7	- 3.4	- 8.4	1.4	4.3	4.3	2.9
18	1.4	1.4	1.4	1.4	1.4	- 3.4	- 5.0	- 3.4	- 5.0	- 1.7	- 1.7	- 1.7	1.4
19	2.9	2.9	4.3	1.4	1.4	1.4	1.4	1.4	- 1.7	- 1.7	- 1.7	2.9	1.4
20	4.3	8.7	5.8	1.4	4.3	1.4	- 1.7	1.4	1.4	1.4	- 3.4	2.9	- 1.7
21	4.3	2.9	2.9	1.4	3.0	- 1.7	- 1.7	- 3.4	- 1.7	2.9	1.4	1.4	1.4
22	5.8	5.8	4.3	4.3	5.8	1.4	1.4	2.9	- 1.7	2.9	1.4	5.8	4.3
23	- 1.7	4.3	7.2	5.8	13.0	5.8	7.2	4.3	5.8	4.3	- 5.0	-10.1	- 3.4
24	5.8	4.3	5.8	5.8	10.1	7.2	5.8	5.8	7.2	4.3	4.3	2.9	- 1.7
25	7.2	5.8	5.8	4.3	7.2	5.8	5.8	10.1	10.1	2.9	7.2	5.8	4.3
26	8.7	5.8	4.3	2.9	2.9	8.7	5.8	7.2	5.8	4.3	4.3	4.3	4.3
27	- 1.7	7.2	7.2	1.4	17.3	4.3	1.4	4.3	1.4	7.2	5.8	2.9	1.4
28	5.8	4.3	10.1	8.7	14.4	5.8	1.4	4.3	7.2	7.2	5.8	4.3	5.8
29	5.8	4.3	2.9	2.9	8.7	- 3.4	- 3.4	2.9	2.9	2.9	- 1.7	- 3.4	- 3.4
30	5.8	- 1.7	7.2	4.3	5.8	4.3	2.9	5.8	8.7	11.6	2.9	4.3	2.9
31	4.3	4.3	4.3	10.1	8.7	5.8	2.9	5.8	4.3	4.3	1.5	4.3	2.9
Prom	3.0	2.4	3.8	3.4	6.0	1.9	0.9	3.3	3.6	3.6	1.1	1.7	0.6
Var.	0.9	0.3	1.7	1.3	3.9	- 0.2	- 1.2	1.2	1.5	1.5	- 1.0	- 0.4	- 1.5

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	-29.6	-26.9	-29.6	-36.4	-26.9	-40.4	-40.4	-39.1	-36.4	-32.3	-33.7	-36.4	-35.0
2	-29.6	-26.9	-28.3	-32.3	-40.4	-40.4	-37.7	-33.7	-33.7	-35.0	-36.4	-35.0	-35.0
3	-29.6	-28.3	-29.6	-37.7	-40.4	-44.4	-43.1	-37.7	-37.7	-32.3	-35.0	-33.7	-33.7
4	-28.3	-28.3	-29.6	-36.4	-40.4	-40.4	-40.4	-33.7	-40.4	-37.7	-37.7	-37.7	-37.7
5	-32.3	-32.3	-31.0	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-36.4	-37.7	-40.4
6	-32.3	-28.3	-31.0	-36.4	-40.4	-40.4	-40.4	-36.4	-39.1	-35.0	-35.0	-36.4	-37.7
7	-32.3	-26.9	-28.3	-36.4	-40.4	-43.1	-41.8	-35.0	-35.0	-33.7	-36.4	-37.7	-37.7
8	-31.0	-29.6	-26.9	-32.3	-37.7	-36.4	-37.7	-35.0	-36.4	-33.7	-32.3	-33.7	-32.3
9	-31.0	-22.9	-24.2	-31.0	-32.3	-32.3	-	-32.3	-35.0	-35.0	-35.0	-36.4	-33.7
10	-28.3	-26.9	-26.9	-32.3	-36.4	-33.7	-36.4	-31.0	-31.0	-29.6	-36.4	-32.3	-37.7
11	-26.9	-26.9	-26.9	-32.3	-35.0	-37.7	-33.7	-35.0	-36.4	-35.0	-36.4	-36.4	-36.4
12	-29.6	-26.9	-26.9	-28.3	-28.3	-29.6	-29.6	-29.6	-29.6	-29.6	-31.0	-31.0	-31.0
13	-28.3	-29.6	-26.9	-28.3	-31.0	-	-	-32.3	-32.3	-33.7	-32.3	-32.3	-32.3
14	-24.2	-18.9	-21.6	-28.3	-37.7	-37.7	-35.0	-35.0	-32.3	-32.3	-32.3	-32.3	-32.3
15	-26.9	-26.9	-37.7	-32.3	-37.7	-37.7	-37.7	-33.7	-36.4	-35.0	-36.4	-32.3	-32.3
16	-28.3	-25.6	-25.6	-32.3	-36.4	-37.7	-26.9	-25.6	-26.9	-26.9	-31.0	-32.3	-33.7
17	-29.6	-28.3	-29.6	-36.4	-40.4	-37.7	-37.7	-37.7	-36.4	-31.0	-29.6	-32.3	-32.3
18	-26.9	-25.6	-28.3	-35.0	-37.7	-37.7	-40.4	-37.7	-40.4	-41.8	-37.7	-39.1	-43.1
19	-29.6	-28.3	-31.0	-36.4	-36.4	-37.7	-36.4	-36.4	-36.4	-37.7	-41.8	-41.8	-39.1
20	-31.0	-26.9	-28.3	-36.4	-39.1	-39.1	-36.4	-37.7	-33.7	-32.3	-33.7	-35.0	-33.7
21	-31.0	-26.9	-28.3	-36.4	-37.7	-40.4	-39.1	-37.7	-36.4	-31.0	-32.3	-33.7	-31.0
22	-31.0	-28.3	-28.3	-33.7	-33.7	-40.4	-33.7	-36.4	-32.3	-32.3	-35.0	-35.0	-37.7
23	-28.3	-26.9	-28.3	-35.0	-41.8	-40.4	-40.4	-32.3	-33.7	-35.0	-31.0	-32.3	-35.0
24	-32.3	-26.9	-28.3	-35.0	-39.1	-37.7	-37.7	-37.7	-32.3	-33.7	-36.4	-33.7	-36.4
25	-32.3	-29.6	-28.3	-36.4	-37.7	-39.1	-37.7	-32.3	-31.0	-35.0	-35.0	-35.0	-36.4
26	-28.3	-26.9	-26.9	-32.3	-33.7	-36.4	-35.0	-33.7	-33.7	-33.7	-32.3	-35.0	-32.3
27	-28.3	-26.9	-25.6	-31.0	-36.4	-36.4	-36.4	-33.7	-33.7	-32.3	-33.7	-32.3	-31.0
28	-29.6	-26.9	-24.2	-31.0	-33.7	-35.0	-33.7	-28.3	-28.3	-28.3	-28.3	-31.0	-33.7
29	-28.3	-24.2	-26.9	-36.4	-37.7	-40.4	41.8	-37.7	-39.1	-40.4	-35.0	-37.7	-37.7
30	-33.7	-28.3	-29.6	-37.7	-43.1	-43.1	-43.1	-39.1	-36.4	-33.7	-36.4	-36.4	-37.7
31	-31.0	-28.3	-29.6	-36.4	-40.4	-44.4	-40.4	-37.7	-40.4	-36.4	-36.4	-37.7	-40.4
Prom	-29.7	-27.1	-28.1	-34.0	-37.0	-38.5	-37.6	-34.8	-34.8	-33.8	-34.5	-34.9	-35.4
Var.	5.1	7.7	6.7	0.8	- 2.2	- 3.7	- 2.8	0.0	0.0	1.0	0.3	- 0.1	- 0.6

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
- 8.4	- 6.7	- 6.7	- 6.7	- 6.7	- 3.4	- 6.7	- 5.0	- 1.7	7.2	- 6.7	- 6.2	2
- 8.4	-11.1	-11.1	-11.1	- 6.7	- 5.0	- 3.4	-10.1	- 3.4	- 1.7	- 5.0	- 7.1	1
- 5.0	- 6.7	- 8.4	-10.1	- 5.0	1.4	- 1.7	- 8.4	- 3.4	- 6.7	5.8	- 4.7	1
- 5.0	- 5.0	1.4	- 3.4	- 5.0	- 3.4	- 3.4	- 1.7	2.9	5.8	1.4	- 2.6	1
- 3.7	- 5.0	- 3.4	- 5.0	- 5.0	- 8.4	- 5.0	1.4	5.8	- 3.4	2.9	- 1.6	1
- 1.7	- 1.7	1.4	- 1.7	- 1.7	- 5.0	- 3.4	- 3.4	2.9	- 3.4	- 3.4	- 0.3	1
2.9	- 1.7	- 6.7	- 6.7	- 5.0	- 5.0	- 6.7	-10.1	2.9	4.3	4.3	- 0.4	1
- 1.7	- 3.4	- 6.7	- 8.4	- 3.4	2.9	5.8	- 6.7	2.9	4.3	4.3	- 0.0	1
1.4	- 1.7	- 6.7	- 8.4	- 5.0	- 8.4	- 3.4	- 1.7	2.9	1.4	1.4	- 0.7	1
2.9	1.4	- 1.7	- 3.4	- 1.7	1.4	- 1.7	- 1.7	1.4	- 1.7	2.9	0.2	1
-	-	-	-	-	-	-	-	-	-	-	- 2.0	1
13.0	13.0	15.9	5.9	11.6	13.0	13.0	15.9	14.4	20.2	18.8	14.6	2
14.4	15.9	15.9	11.6	15.9	17.3	21.7	20.2	18.8	20.2	20.2	17.6	2
10.1	7.2	5.8	- 3.4	1.4	1.4	2.9	- 1.7	2.9	1.4	2.9	18.6	2
2.9	- 1.7	2.9	- 1.7	1.4	4.3	4.3	2.9	7.2	4.3	8.7	3.4	1
- 3.4	- 5.0	- 5.0	- 6.7	-11.8	-18.5	-20.2	-15.2	- 5.0	- 3.4	- 5.0	- 3.1	2
1.4	- 8.4	- 6.7	- 6.7	- 3.4	- 3.4	- 1.7	- 3.4	4.3	- 3.4	2.9	- 3.2	0
2.9	- 6.7	- 3.4	- 6.7	- 3.4	- 1.7	- 1.7	- 1.7	- 1.7	1.4	2.9	- 1.4	1
1.4	- 1.7	- 3.4	- 6.7	- 3.4	- 3.4	1.4	2.9	4.3	4.3	7.2	0.8	1
2.9	2.9	1.4	- 1.7	1.4	- 1.7	2.9	1.4	4.3	2.9	4.3	2.0	0
1.4	2.9	1.4	- 1.7	2.9	2.9	2.9	2.9	5.8	4.3	7.2	1.9	1
4.3	2.9	- 1.7	- 3.4	- 5.0	- 3.4	- 3.4	- 5.0	1.4	5.8	11.6	2.0	1
- 1.7	1.4	1.4	- 3.4	- 1.7	- 8.4	2.9	8.4	14.4	13.0	8.7	3.0	2
1.4	5.8	2.9	2.9	4.3	5.8	-	1.4	2.9	5.8	4.3	4.6	1
2.9	- 1.7	1.4	1.4	1.4	4.3	2.9	- 5.0	5.8	7.2	7.2	4.6	1
4.3	2.9	5.8	2.9	1.4	2.9	- 1.7	- 3.4	4.3	4.3	14.4	4.5	2
2.9	1.4	4.3	1.4	4.3	2.9	4.3	2.9	2.9	7.2	4.3	4.1	2
1.4	5.8	10.1	4.3	4.3	- 1.7	10.1	5.8	14.4	10.1	14.4	6.8	2
2.9	2.9	4.3	1.4	5.8	7.2	2.9	4.3	7.2	4.3	5.8	2.8	1
4.3	4.3	2.9	2.9	4.3	4.3	1.4	4.3	11.6	13.0	8.7	5.3	1
7.2	4.3	2.9	2.9	4.3	5.8	5.8	8.7	11.6	8.7	5.8	5.5	1
1.7	0.2	0.4	- 2.3	- 0.3	- 0.1	0.7	0.0	4.8	4.6	5.4	2.1	
- 0.4	- 1.9	- 1.7	- 4.4	- 2.4	- 2.2	- 1.4	- 2.1	2.7	2.5	3.3		

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
-36.4	-36.4	-35.0	-37.7	-36.4	-40.4	-40.4	-40.4	-33.7	-35.0	-31.0	-35.2	0
-36.4	-37.7	-35.0	-37.7	-35.0	-39.1	-39.1	-39.1	-36.4	-35.0	-32.3	-35.3	1
-37.7	-33.7	-35.0	-39.1	-35.0	-37.7	-39.1	-36.4	-37.7	-40.4	-33.7	-36.2	1
-41.8	-37.7	-36.4	-36.4	-39.1	-40.4	-40.4	-37.7	-41.8	-37.7	-32.3	-37.1	1
-39.1	-36.4	-40.4	-39.1	-36.4	-39.1	-40.4	-33.7	-33.7	-36.4	-33.7	-36.4	0
-40.4	-35.0	-36.4	-40.4	-39.1	-39.1	-41.8	-37.7	-39.1	-36.4	-32.3	-36.9	0
-40.4	-39.1	-40.4	-37.7	-39.1	-40.4	-40.4	-37.7	-35.0	-37.7	-37.7	-37.1	0
-35.0	-33.7	-32.3	-36.4	-36.4	-35.0	-35.0	-35.0	-36.4	-35.0	-32.3	-34.1	1
-35.0	-33.7	-32.3	-29.6	-35.0	-37.7	-37.7	-37.7	-33.7	-33.7	-32.3	-33.0	1
-35.0	-32.3	-31.0	-35.0	-37.7	-37.7	-39.1	-36.4	-33.7	-33.7	-31.0	-33.4	2
-36.4	-35.0	-35.0	-35.0	-37.7	-40.4	-40.4	-33.7	-32.3	-33.7	-32.3	-34.4	1
-29.6	-33.7	-35.0	-35.0	-37.7	-37.7	-40.4	-35.0	-37.7	-29.6	-32.3	-31.9	2
-32.3	-29.6	-28.3	-31.0	-31.0	-35.0	-32.3	-36.4	-32.3	-32.3	-26.9	-31.2	2
-36.4	-28.3	-31.0	-36.4	-33.7	-36.4	-36.4	-35.0	-33.7	-35.0	-31.0	-32.2	2
-35.0	-32.3	-33.7	-33.7	-35.0	-33.7	-33.7	-36.4	-33.7	-36.4	-29.6	-34.0	1
-35.0	-35.0	-33.7	-35.0	-36.4	-40.4	-36.4	-33.7	-31.0	-32.3	-28.3	-31.9	1
-31.0	-32.3	-32.3	-35.0	-35.0	-41.8	-39.1	-37.7	-33.7	-32.3	-29.6	-34.1	0
-39.1	-40.4	-39.1	-37.7	-40.4	-40.4	-40.4	-36.4	-37.7	-35.0	-33.7	-37.2	0
-39.1	-39.1	-40.4	-40.4	-37.7	-41.8	-39.1	-37.7	-37.7	-37.7	-32.3	-37.2	1
-37.7	-36.4	-33.7	-37.7	-37.7	-39.1	-40.4	-36.4	-36.4	-35.0	-32.3	-35.2	0
-33.7	-31.0	-31.0	-35.0	-36.4	-35.0	-32.3	-28.3	-36.4	-35.0	-32.3	-33.7	1
-37.7	-35.0	-33.7	-35.0	-35.0	-33.7	-33.7	-39.1	-35.0	-33.7	-32.3	-34.4	0
-36.4	-28.3	-32.3	-36.4	-35.0	-36.4	-37.7	-36.4	-33.7	-33.7	-33.7	-34.2	1
-36.4	-36.4	-39.1	-36.4	-37.7	-37.7	-39.1	-40.4	-37.7	-35.0	-33.7	-35.7	1
-36.4	-36.4	-33.7	-32.3	-33.7	-35.0	-35.0	-36.4	-33.7	-32.3	-32.3	-34.3	0
-33.7	-36.4	-33.7	-32.3	-33.7	-37.7	-33.7	-36.4	-35.0	-	-32.3	-33.3	0
-33.7	-33.7	-35.0	-36.4	-36.4	-33.7	-36.4	-36.4	-32.3	-35.0	-32.3	-33.3	1
-37.7	-31.0	-31.0	-32.3	-33.7	-35.0	-37.7	-35.0	-29.6	-31.0	-31.0	-31.5	1
-40.4	-36.4	-40.4	-39.1	-40.4	-41.8	-44.4	-43.1	-40.4	-37.7	-35.0	-37.6	0
-37.7	-36.4	-37.7	-37.7	-40.4	-40.4	-40.4	-39.1	-37.7	-36.4	-32.3	-37.3	0
-40.4	-36.4	-37.7	-37.7	-40.4	-40.4	-41.8	-36.4	-33.7	-36.4	-28.3	-37.0	1
-36.5	-34.7	-34.9	-36.0	-36.6	-38.1	-38.2	-36.7	-35.2	-34.9	-32.0	-34.8	
- 1.7	0.1	- 0.1	- 1.2	- 1.8	- 3.3	- 3.4	- 1.9	- 0.4	- 0.1	2.8		

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	65.2	65.7	65.8	65.9	65.9	66.1	66.8	67.4	67.8	68.1	68.2	67.7	67.0	66.6	66.4
2	65.7	65.7	65.5	64.9	64.6	64.4	64.5	64.6	64.5	64.5	64.2	63.2	62.6	62.6	62.6
3	64.4	64.5	64.4	64.2	64.4	64.5	64.8	65.2	65.4	65.5	64.5	65.2	64.9	64.8	64.9
4	67.1	66.9	66.8	66.8	66.7	66.7	67.0	67.5	67.8	68.5	68.7	68.7	68.7	68.6	68.8
5	71.2	71.3	71.0	70.7	70.7	71.0	71.2	71.6	71.9	72.1	71.7	71.2	70.5	70.2	70.1
6	70.1	70.1	70.3	70.3	70.2	70.3	70.6	71.0	71.1	71.2	71.0	70.4	69.5	69.0	68.5
7	67.9	67.4	66.9	66.4	65.9	65.6	65.8	65.8	65.0	64.7	64.1	63.1	61.8	60.9	60.3
8	58.0	57.6	57.5	57.1	56.4	56.1	56.2	56.2	56.8	56.7	56.4	56.2	55.1	54.2	53.8
9	55.6	55.6	55.5	55.5	55.8	56.1	56.2	56.4	56.5	56.7	56.6	56.0	55.5	55.3	55.3
10	58.8	59.1	59.4	60.0	60.6	61.1	61.5	62.1	62.4	63.0	63.1	62.9	62.3	61.9	62.1
11	63.1	62.6	62.6	62.4	62.0	62.1	62.2	62.7	62.7	62.4	62.0	61.0	60.3	59.8	59.5
12	61.2	61.3	61.4	61.4	61.4	61.3	61.9	62.0	62.2	62.3	62.2	61.3	60.8	60.1	59.5
13	58.3	58.0	57.8	57.3	57.2	57.2	57.4	58.0	57.7	57.9	58.1	57.4	57.1	57.0	57.0
14	62.1	62.4	62.5	62.6	63.0	63.0	63.2	63.7	64.2	64.4	64.1	63.5	63.0	62.4	62.4
15	63.4	63.1	63.0	62.9	62.5	61.8	62.0	62.3	62.2	62.5	62.0	61.1	60.0	59.4	59.0
16	55.2	54.4	54.0	53.6	53.3	53.4	53.4	53.2	53.3	53.2	52.7	52.0	51.2	51.0	50.4
17	48.1	47.9	47.8	47.7	47.7	48.7	50.0	52.3	53.2	54.4	54.5	54.2	53.2	53.5	54.0
18	63.1	63.8	63.9	64.2	64.4	65.2	65.7	66.4	66.7	67.3	67.2	66.9	66.4	66.5	66.8
19	69.1	69.0	69.0	68.9	68.9	69.0	69.2	69.6	69.7	69.8	69.7	69.3	68.6	67.7	67.0
20	65.6	65.4	65.1	64.6	64.5	64.4	64.6	64.8	65.5	66.0	66.2	66.2	66.0	66.0	66.0
21	68.5	68.6	68.6	68.5	68.5	68.6	69.2	69.6	69.9	70.0	70.1	69.8	69.1	69.0	69.0
22	70.1	70.0	69.9	69.6	69.6	70.0	70.3	70.8	70.8	70.9	70.6	69.9	69.3	68.8	68.8
23	70.5	70.3	70.3	70.1	70.2	70.2	70.1	70.0	70.0	70.0	69.7	69.1	68.5	68.0	67.9
24	67.1	66.7	66.5	66.0	65.8	65.7	65.8	65.6	65.7	65.7	65.7	65.2	64.7	64.2	64.0
25	64.6	64.6	64.2	64.2	63.9	64.1	64.6	64.8	64.7	65.0	64.3	63.5	62.9	62.2	61.7
26	61.0	60.9	60.9	60.7	60.5	60.8	60.8	60.8	60.8	60.6	60.3	59.5	58.5	57.6	57.2
27	56.1	55.6	55.1	54.6	54.4	54.2	54.0	54.0	54.0	54.1	53.6	53.1	52.3	51.7	51.5
28	54.3	54.1	54.0	53.5	53.0	53.7	54.7	54.4	54.9	55.6	55.8	54.6	54.1	55.6	55.8
29	60.5	60.8	60.9	61.2	61.9	62.8	63.7	64.6	65.0	65.4	65.7	65.6	65.4	65.4	65.6
30	68.0	68.0	68.0	67.9	68.0	68.2	68.5	68.8	69.2	69.6	69.5	69.2	68.7	68.3	68.2
31	68.7	68.5	68.5	68.6	68.6	68.8	69.0	69.2	69.5	69.5	69.2	68.7	67.8	67.2	66.8
Prom	63.3	63.2	63.1	63.0	62.9	63.1	63.4	63.7	63.9	64.1	63.9	63.4	62.8	62.4	62.3

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	7.6	6.6	6.1	6.1	5.8	4.5	3.6	3.5	5.6	7.2	8.0	8.6	9.1	9.5	8.6
2	5.7	5.2	4.5	4.5	4.7	3.9	4.1	4.3	5.2	6.5	7.6	9.0	9.3	9.1	8.9
3	4.6	4.6	4.7	4.7	4.6	4.2	4.1	3.7	4.2	5.1	5.6	5.8	7.5	7.7	7.4
4	0.0	0.0	0.1	- 0.4	- 0.3	- 0.2	- 0.1	0.6	2.3	4.5	5.9	7.3	7.8	8.1	8.4
5	- 1.5	- 1.6	- 1.3	- 1.4	- 2.0	- 2.0	- 2.2	- 1.9	0.7	3.8	5.3	6.6	6.7	6.7	7.6
6	- 0.1	0.8	1.6	1.8	2.0	2.5	2.7	3.0	4.6	6.2	6.8	7.3	7.8	7.9	7.9
7	5.3	4.9	5.0	5.1	5.1	5.3	5.4	5.3	5.5	5.8	6.0	6.6	7.5	8.1	8.3
8	3.7	3.7	3.7	3.9	4.4	4.4	4.3	4.3	5.0	6.0	7.9	8.6	10.2	10.4	9.7
9	3.3	3.7	4.0	4.1	3.6	3.5	3.2	3.3	6.9	9.2	11.1	11.5	12.6	13.4	13.4
10	5.0	4.5	3.5	3.1	2.9	2.4	1.9	2.3	5.1	7.9	10.6	12.7	13.5	13.5	13.7
11	2.8	2.8	3.7	4.3	4.4	5.3	5.6	6.2	8.0	12.0	14.6	15.7	16.7	17.3	17.4
12	10.4	10.5	10.6	9.7	8.4	6.6	6.4	7.3	9.9	12.9	14.8	16.3	17.5	18.3	18.4
13	9.8	9.5	8.5	8.4	8.4	8.1	7.9	8.2	10.6	13.0	14.8	16.5	17.4	17.3	16.9
14	4.5	3.6	3.3	2.5	2.1	1.6	1.2	1.5	4.9	9.5	12.4	13.7	14.7	14.7	14.3
15	6.9	6.9	7.1	7.2	7.3	7.4	7.4	7.5	9.0	12.0	12.8	12.9	13.5	13.9	13.7
16	14.3	15.8	16.1	15.9	16.1	16.7	16.3	16.2	16.8	17.3	19.0	20.8	21.7	21.1	22.0
17	14.9	14.9	16.0	16.0	15.7	15.3	13.6	10.5	9.0	8.8	8.9	9.1	9.2	9.4	9.4
18	4.2	3.1	2.0	1.4	1.4	0.8	0.2	0.5	2.0	3.5	4.7	5.3	6.2	5.9	5.8
19	- 3.4	- 3.9	- 4.7	- 5.4	- 5.9	- 6.9	- 7.5	- 6.8	- 2.8	0.3	2.8	4.5	5.8	7.3	7.9
20	- 0.7	- 1.0	- 1.0	- 0.8	0.3	0.4	0.6	0.7	1.8	3.7	5.1	6.1	7.4	8.3	8.3
21	- 1.8	- 1.5	- 1.1	- 1.0	- 0.9	- 1.4	- 1.6	0.6	2.5	5.9	7.8	8.3	9.5	9.5	9.5
22	- 3.0	- 3.5	- 3.8	- 3.9	- 4.4	- 4.7	- 4.6	- 2.3	2.8	6.5	7.9	9.2	9.6	10.1	9.0
23	1.6	1.6	1.8	2.0	2.0	2.2	2.2	3.2	5.1	7.0	8.2	8.8	9.6	9.7	10.0
24	0.3	0.1	- 0.7	- 1.2	- 1.5	- 1.6	- 2.3	- 0.9	3.7	6.7	7.2	8.7	9.6	10.5	10.1
25	0.2	0.3	0.6	1.3	1.5	1.5	1.6	3.3	6.3	9.3	12.3	14.0	14.6	14.9	15.3
26	8.3	7.8	7.3	7.1	7.0	6.5	6.5	6.5	9.2	11.2	13.2	15.8	16.4	17.0	17.1
27	13.4	13.3	13.2	13.0	12.5	10.4	10.5	11.1	11.7	13.2	15.1	16.3	18.7	19.6	19.5
28	10.2	9.6	9.7	9.7	9.6	9.7	9.7	9.1	8.7	8.6	8.6	8.6	8.6	8.6	8.1
29	5.7	5.8	5.9	5.9	5.9	5.8	4.3	3.2	4.5	6.5	7.8	9.4	10.5	9.5	10.1
30	0.2	0.2	0.2	0.4	0.4	0.6	1.5	3.2	5.3	8.1	11.0	13.1	14.7	15.2	15.4
31	3.8	2.9	2.6	1.8	1.1	0.7	0.5	2.7	5.6	8.9	11.6	13.1	14.9	14.9	15.4
Prom	4.3	4.2	4.2	4.0	3.9	3.7	3.4	3.8	5.8	8.0	9.5	10.6	11.6	11.8	11.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
66.4	66.5	66.4	66.6	66.4	66.2	66.0	65.8	65.7	68.3	10-11	64.8	0	3.5	766.5 mm.	1022.0 mb.
62.7	63.0	63.2	63.2	63.7	63.6	63.6	64.0	64.2	65.7	0,1,2	62.6	13,14,15	3.1	64.0	1018.6
65.0	65.2	66.0	66.2	66.9	67.2	67.6	67.6	67.6	67.7	23-24	64.2	0	3.5	65.4	1020.5
69.2	69.6	70.0	70.2	70.8	71.0	71.5	71.4	71.4	71.5	22	66.7	5,6	4.8	68.8	1025.0
70.1	69.8	69.8	70.0	70.2	70.2	70.5	70.3	70.2	72.1	10	69.8	17,18	2.3	70.7	1027.6
68.5	68.5	68.9	69.2	68.7	68.3	68.6	68.5	68.2	71.2	10	68.2	24	3.0	69.6	1026.1
59.9	59.8	59.4	59.0	59.4	59.2	59.1	58.4	58.3	68.2	0	58.3	24	9.9	62.7	1016.9
53.8	53.9	54.0	54.5	54.7	55.0	55.6	55.6	55.6	58.3	0	53.7	18-19	4.6	55.7	1007.6
55.6	56.1	56.7	57.1	57.6	58.0	58.4	58.6	58.6	58.6	23,24	55.3	14,15	3.3	56.5	1008.6
62.2	62.3	62.7	62.8	62.8	62.9	63.1	63.3	63.3	63.4	23-24	58.6	0	4.8	61.9	1015.8
59.6	59.8	59.9	60.1	60.3	60.4	61.0	61.2	61.2	63.3	0	59.4	15-16	3.9	61.3	1015.0
59.2	59.2	59.4	59.2	59.2	59.0	59.0	58.9	58.7	62.3	10	58.7	24	3.6	60.5	1014.0
57.2	58.0	58.2	59.0	59.5	60.0	60.4	60.8	61.4	61.4	24	57.0	14,15	4.4	58.2	1010.9
62.7	62.4	62.8	62.7	63.2	63.4	63.4	63.1	63.4	64.4	10	61.4	0	3.0	63.1	1017.4
58.7	58.3	58.3	57.9	57.4	57.2	56.4	56.2	55.6	63.4	0,1	55.6	24	7.8	60.1	1013.4
50.3	49.6	49.8	49.7	49.5	49.5	49.3	48.7	48.5	55.6	0	48.5	24	7.1	51.6	1002.1
55.1	55.8	56.1	57.6	58.4	59.2	60.4	61.9	62.6	62.6	24	47.6	4-5	15.0	53.9	1005.2
67.1	67.4	67.8	68.3	68.3	68.5	68.7	68.9	69.1	69.1	24	62.6	0	6.5	66.6	1022.1
67.5	67.0	67.0	67.0	66.7	66.0	65.9	65.9	65.7	69.8	10	65.7	24	4.1	68.0	1024.0
66.1	66.2	66.7	67.1	67.6	67.9	68.1	68.5	68.5	68.5	23,24	64.3	5-6	4.2	66.1	1021.4
69.0	69.1	69.1	69.4	69.6	69.8	70.0	70.0	70.1	70.1	24	68.4	4-5	1.7	69.3	1025.7
69.1	69.3	69.7	70.0	70.5	70.6	70.6	70.7	70.7	70.9	10	68.7	14-15	2.2	70.0	1026.6
67.8	67.6	67.7	67.8	67.8	67.8	67.7	67.8	67.6	70.7	0	67.6	17,24	5.1	68.9	1025.2
63.6	63.5	63.5	63.3	64.0	64.0	64.5	64.2	64.5	67.6	0	63.2	18-19	4.4	65.0	1020.0
61.5	61.5	61.6	61.6	61.6	61.3	61.5	61.5	61.1	65.0	10	61.1	24	3.9	63.0	1017.3
56.8	56.6	56.3	56.3	56.0	56.1	56.2	56.3	56.2	61.1	0	56.0	20	5.1	58.6	1011.4
51.5	51.7	52.1	52.5	53.0	53.2	53.8	53.8	54.1	56.2	0	51.5	15,16	4.7	53.5	1004.6
56.5	57.4	57.9	58.8	59.1	59.6	60.0	60.2	60.5	60.5	24	52.9	4-5	7.6	56.2	1008.2
65.9	66.3	66.5	67.2	67.6	67.7	67.7	68.2	68.2	68.2	23,24	60.5	0,1	7.7	65.0	1020.0
68.2	68.2	68.4	68.6	68.6	68.7	68.7	68.7	68.7	69.6	10	67.9	4	1.7	68.5	1024.6
66.7	66.6	66.9	67.0	67.1	67.0	67.1	67.1	66.8	69.5	9,10	66.6	17	2.9	68.0	1024.0
62.4	62.4	62.3	63.2	63.1	63.2	63.4	63.4	63.4	65.7		60.9		4.8	63.1	1017.4

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
8.3	7.5	6.4	6.2	5.6	5.6	5.5	5.5	5.6	9.5	14	3.4	7-8	6.1	6.5
8.8	8.3	7.7	7.3	6.8	6.1	5.9	5.6	5.0	9.3	13	3.9	6	5.4	6.4
6.9	6.5	4.2	3.5	2.8	2.2	1.4	0.8	0.4	7.7	14	0.4	24	7.3	4.5
8.0	6.8	5.7	5.2	4.5	3.4	1.5	-0.4	-1.2	8.4	15	-1.2	24	9.6	3.2
7.5	5.5	2.6	1.2	1.1	1.4	1.9	2.1	0.7	8.0	15-16	-2.7	7-8	10.7	2.0
7.8	7.1	6.4	5.8	5.7	5.6	5.2	5.4	5.4	7.9	14,15	-0.1	1	8.0	4.9
8.3	7.3	5.6	4.8	4.7	4.7	4.4	3.0	3.5	8.7	13-14	3.0	23	5.7	5.6
9.4	8.4	8.1	7.5	6.7	6.6	6.4	5.2	4.5	10.4	14	3.5	0	6.9	6.4
12.7	10.5	8.5	7.7	6.8	6.5	5.4	4.8	4.8	13.4	14,15	3.2	7	10.2	7.3
13.0	10.4	8.7	7.4	6.0	5.4	4.5	3.7	2.7	13.7	15	1.8	7-8	11.9	6.8
16.5	15.7	14.0	13.9	13.3	12.8	12.1	12.1	10.7	17.4	15	2.7	0	14.7	10.7
17.6	15.2	13.3	12.7	11.9	12.0	11.7	11.1	10.5	18.4	15	6.3	6-7	12.1	12.2
15.5	13.1	11.2	10.0	7.8	6.8	6.2	5.8	5.2	17.4	13	5.2	24	12.2	10.7
13.4	11.3	8.4	7.8	7.1	7.1	6.8	6.9	7.0	15.2	13-14	1.2	7	14.0	7.5
13.2	12.5	12.0	11.2	11.1	11.3	12.1	13.6	13.7	13.9	14	6.9	1,2	7.0	10.7
21.9	19.4	17.8	16.3	15.1	15.0	14.9	14.9	14.8	22.1	14-15	13.7	0	8.4	17.3
9.8	9.8	9.1	8.8	7.5	7.6	7.5	6.6	5.2	16.0	3,4	5.2	24	10.8	10.5
5.2	4.5	2.5	1.3	0.3	-0.7	-1.5	-2.0	-2.7	6.3	13-14	-2.7	24	9.0	2.2
7.8	5.8	3.0	1.2	0.5	-0.5	-0.7	-0.6	-0.6	7.9	15	-7.5	7	15.4	0.1
8.3	7.2	4.8	2.8	1.6	0.7	-0.3	-1.1	-1.5	8.3	14,15,16	-1.5	24	9.8	2.6
9.1	8.0	4.5	1.8	0.2	-1.1	-1.4	-1.8	-2.3	10.0	14-15	-2.3	24	12.3	2.5
8.5	7.5	6.9	5.8	5.2	4.9	3.4	2.0	1.6	10.1	14	-4.8	7-8	14.9	2.9
9.7	8.8	7.6	5.1	3.9	2.4	1.6	0.4	0.6	10.0	15	0.4	23	9.6	4.8
9.2	8.4	6.6	5.0	3.3	2.2	1.1	1.9	2.2	10.5	14	-2.4	7-8	12.9	3.7
14.6	12.4	10.5	10.0	9.9	10.0	9.5	8.7	8.3	15.4	14-15	0.0	2-3	15.4	8.0
16.5	15.1	13.9	12.6	12.5	12.5	13.1	13.1	13.3	17.1	15	6.5	6,7,8	10.6	11.6
17.6	16.1	14.9	14.4	13.5	12.6	11.6	11.4	11.4	20.0	14-15	10.3	7-8	9.7	14.0
7.9	7.8	7.6	7.4	7.2	6.8	6.7	6.5	5.9	11.4	0	5.9	24	5.5	8.4
10.1	8.3	5.4	3.9	3.0	2.4	1.7	0.8	0.3	10.5	13	0.3	24	10.2	5.7
15.0	12.1	10.0	8.3	7.3	6.9	6.1	5.1	4.3	15.4	15	0.1	0-1	15.3	6.8
14.5	11.4	9.0	8.5	5.0	3.4	1.4	0.8	-0.3	15.4	15	-0.3	24	15.7	6.4
11.4	10.0	8.3	7.3	6.4	5.9	5.3	4.9	4.5	12.4		1.9		10.5	6.9

HUMEDAD RELATIVA en %

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

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	7.2	6.6	6.4	6.0	5.6	5.8	5.4	5.3	5.2	5.0	5.0	5.2	5.0	5.0	5.2
2	5.8	6.0	6.0	6.0	6.2	5.8	5.8	5.9	6.0	6.2	6.6	6.6	5.8	6.1	6.0
3	6.2	6.2	6.2	5.8	5.8	5.6	5.6	5.5	5.6	5.6	5.6	5.6	6.0	5.9	5.8
4	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.4	4.4	4.4	4.6	4.6	4.8	4.8	4.6
5	3.8	3.8	4.0	4.0	3.8	3.8	3.8	4.6	4.4	4.8	4.8	4.8	4.8	4.6	4.4
6	4.2	4.6	5.0	5.0	5.0	5.2	5.4	5.3	4.8	5.0	4.8	5.0	5.2	5.4	5.2
7	6.4	6.2	6.2	6.4	6.4	6.4	6.4	6.8	6.4	6.6	6.4	6.2	5.6	5.9	5.8
8	5.6	5.6	5.6	5.8	6.0	6.0	6.0	6.2	6.2	6.8	6.4	6.8	6.6	6.7	6.4
9	5.6	5.8	5.8	5.8	5.6	5.6	5.6	5.4	6.0	5.8	6.0	5.8	5.6	5.2	4.8
10	5.0	4.8	4.8	4.6	4.6	4.6	4.4	4.6	4.6	5.2	5.4	5.6	5.4	5.2	5.4
11	4.6	4.6	4.6	4.8	4.8	4.8	4.8	5.8	5.4	5.4	5.8	6.2	6.0	6.9	7.0
12	5.8	5.8	6.4	6.0	6.2	6.0	6.2	6.6	6.6	6.8	7.2	8.0	8.5	8.6	8.0
13	7.4	7.8	7.6	7.6	7.6	7.4	7.2	7.2	7.4	7.4	7.8	8.5	8.5	9.2	8.0
14	6.0	5.6	5.6	5.2	5.0	5.0	4.8	5.1	6.2	6.0	6.6	7.2	7.0	7.4	7.6
15	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.7	7.8	8.0	8.5	8.0	8.0	8.4	9.0
16	11.0	12.0	12.5	12.0	12.5	13.5	13.0	13.0	13.0	13.5	13.5	14.0	15.0	14.9	15.0
17	11.5	11.5	11.5	11.5	11.5	11.5	10.5	7.4	7.4	7.8	7.8	7.8	8.0	8.3	8.0
18	4.6	4.6	4.6	4.4	4.4	4.0	3.6	3.5	3.4	3.6	3.8	4.0	4.0	3.9	3.6
19	3.0	3.0	3.2	2.8	2.8	2.6	2.4	3.2	3.0	3.4	3.2	3.2	3.2	3.6	3.4
20	3.6	3.4	3.4	3.4	3.6	3.6	3.8	3.9	4.0	4.0	4.4	4.4	4.8	5.0	5.0
21	3.8	4.0	4.0	4.0	4.0	4.0	3.8	4.6	5.0	5.2	5.2	4.6	4.6	5.3	4.6
22	3.6	3.4	3.4	3.2	3.2	3.0	3.2	4.7	4.2	4.4	4.4	5.0	5.0	5.1	5.2
23	5.0	5.0	4.8	4.8	5.0	5.2	5.2	5.0	5.0	5.4	5.0	5.2	5.0	5.4	5.2
24	4.4	4.4	4.2	4.0	4.0	3.8	3.6	4.2	4.8	5.6	5.8	6.0	5.6	5.5	5.6
25	4.4	4.4	4.6	4.8	4.8	4.8	5.0	5.8	6.6	7.2	7.6	7.4	7.6	7.6	7.4
26	6.6	6.4	6.2	6.2	6.0	5.8	5.8	6.3	6.6	6.6	7.0	7.0	7.2	7.4	7.6
27	7.6	7.6	7.6	7.4	7.2	7.2	7.2	7.8	7.8	8.0	8.5	8.5	9.0	9.9	10.5
28	9.0	8.5	8.5	8.0	8.0	8.0	8.5	8.6	8.0	8.0	8.0	8.0	8.0	7.9	7.8
29	6.6	6.2	6.0	6.0	6.0	6.0	5.6	5.4	5.4	5.6	4.4	4.2	4.4	4.2	3.8
30	4.0	3.6	3.6	3.4	3.4	3.4	3.2	3.4	3.4	4.2	4.6	4.8	5.2	5.3	5.6
31	4.8	4.8	4.8	4.8	4.6	4.4	4.4	4.5	4.8	5.2	5.2	5.2	5.2	6.3	4.8
Prom.	5.7	5.7	5.8	5.7	5.8	5.7	5.7	5.9	5.8	6.0	6.0	6.2	6.3	6.5	6.4

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

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
5.0	5.6	5.4	5.8	5.7	5.6	5.4	5.4	5.8	7.2	1	5.0	varios	2.2	5.6
6.0	6.6	6.4	6.2	6.7	6.4	6.6	6.6	6.0	6.7	20	5.8	varios	0.9	6.2
5.6	6.2	5.6	5.4	5.2	4.4	4.6	4.4	4.2	6.2	varios	4.2	24	2.0	5.5
4.6	4.8	4.6	4.8	4.5	4.2	4.2	3.6	3.8	4.8	varios	3.6	23	1.2	4.4
4.8	5.2	4.8	4.6	4.8	4.8	4.8	4.8	4.6	5.2	17	3.8	varios	1.4	4.5
5.6	6.2	6.2	6.2	6.2	6.2	6.4	6.4	6.4	6.4	varios	4.2	1	2.2	5.4
5.8	6.2	5.8	5.6	6.0	6.2	6.0	5.4	5.6	6.8	8	5.4	23	1.4	6.1
6.8	7.2	7.4	7.0	6.9	6.6	6.6	6.4	6.0	7.4	18	5.6	varios	1.8	6.4
4.6	5.4	5.2	5.2	5.3	5.2	5.2	5.2	5.2	6.0	0,9,11	4.6	16	1.4	5.4
5.8	5.4	5.2	4.8	5.0	5.2	4.8	4.8	4.8	5.8	16	4.4	7	1.4	5.0
6.6	7.0	6.8	6.8	6.6	6.2	6.0	6.0	6.0	7.0	15,17	4.6	1,2,3	2.4	5.8
8.5	8.0	8.0	7.4	7.7	7.6	7.4	7.6	7.8	8.6	14	5.8	1,2	2.8	7.2
8.5	8.0	8.0	7.6	7.2	7.0	6.6	6.6	6.4	9.2	14	6.4	24	2.8	7.6
7.6	7.6	7.2	7.2	7.5	7.2	7.0	7.2	7.2	7.6	15,16,17	4.8	7	2.8	6.5
8.5	8.0	9.0	9.0	9.2	9.5	9.5	10.5	10.5	10.5	23,24	7.2	varios	3.3	8.3
15.0	13.5	14.5	13.0	12.8	12.0	12.0	12.0	12.0	15.0	13,15,16	10.5	0	4.5	13.1
8.0	6.4	6.2	6.0	5.7	6.0	6.0	5.6	5.0	12.0	0	5.0	24	7.0	8.2
3.8	3.8	3.8	3.8	4.1	3.6	3.4	3.2	3.0	5.0	0	3.0	24	2.0	3.8
3.2	3.8	4.0	3.6	3.6	3.4	3.2	3.6	3.6	4.0	18	2.4	7	1.6	3.2
5.0	5.0	5.2	4.8	4.8	4.6	4.2	4.0	4.0	5.2	18	3.4	2,3,4	1.8	4.2
4.4	5.0	5.2	4.6	4.5	4.0	4.0	3.8	3.6	5.3	14	3.6	24	1.7	4.4
5.6	6.4	6.0	5.6	5.8	5.6	5.4	5.0	5.0	6.4	17	3.0	6	3.4	4.6
5.6	5.6	6.0	6.0	5.8	5.2	5.0	4.6	4.6	6.0	18,19	4.6	23,24	1.4	5.2
5.8	6.2	6.6	5.6	5.2	5.2	4.8	5.0	5.2	6.6	18	3.6	7	3.0	5.0
7.6	7.2	6.8	7.0	7.2	7.0	7.2	6.8	7.0	7.6	varios	4.4	1,2	3.2	6.4
8.0	7.4	8.5	8.0	8.3	8.0	8.0	8.0	7.6	8.5	18	5.8	6,7	2.7	7.1
10.0	9.5	9.5	9.5	9.6	9.5	9.0	9.0	9.0	10.5	15	7.2	5,6,7	3.3	8.6
7.6	7.6	7.6	7.4	7.5	7.2	7.0	7.0	6.8	9.0	0,1	6.8	24	2.2	7.8
3.8	4.2	4.4	4.4	4.4	4.2	4.0	4.0	3.8	6.8	0	3.8	15,16,24	3.0	4.9
5.4	6.0	6.2	5.8	5.9	5.4	5.4	5.4	5.0	6.2	18	3.2	7	3.0	4.6
5.2	7.2	6.6	6.4	6.1	5.6	4.8	4.6	4.2	7.2	17	4.2	24	3.0	5.2
6.4	6.4	6.4	6.2	6.2	6.0	5.9	5.9	5.8	7.3		4.8		2.5	6.0

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	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V
1	S	12	S	9	S	9	S	9	S	9	S	5	S	6	S	6	S	8	S	10	S	11	S	9	S	12	S	9	SE	8
2	SE	3	S	2	C	0	SE	2	SE	4	C	1	SE	4	S	3	S	4	SE	4	SE	2	S	4	E	6	E	7	E	5
3	S	5	S	6	S	5	S	7	S	10	S	12	S	11	S	9	S	11	S	15	S	16	S	18	S	17	S	18	S	20
4	W	12	W	15	S	15	W	14	S	17	S	16	S	17	S	17	S	19	S	19	S	19	S	17	S	16	S	16	S	14
5	W	5	W	4	W	6	W	4	W	3	W	5	W	4	W	4	W	4	SW	3	S	5	S	7	S	3	S	2	W	3
6	C	0	C	1	W	2	C	1	C	0	W	2	C	1	C	1	C	1	C	1	C	1	E	3	NE	4	NE	5	E	3
7	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	W	4	NW	3	W	4	NW	3	N	8	N	10	N	8
8	N	6	N	5	N	6	N	6	N	8	N	7	N	5	N	5	N	7	N	6	N	9	N	9	N	9	NW	9	N	8
9	W	4	NW	7	NW	7	W	9	W	9	W	9	W	7	W	7	W	8	W	11	W	15	W	17	W	17	W	19	W	23
10	W	8	W	9	W	9	W	8	W	11	W	8	W	8	W	8	W	9	W	10	W	10	W	10	W	15	W	12	W	15
11	N	10	N	11	N	10	N	15	N	16	N	17	N	19	N	20	N	23	N	26	N	29	N	32	N	32	N	29	N	20
12	N	26	N	25	N	26	N	23	N	19	N	12	N	14	N	19	N	24	N	24	N	26	N	21	N	18	N	17	N	16
13	N	12	N	12	N	8	N	8	N	10	N	12	N	14	N	12	N	12	N	20	NW	24	NW	26	NW	18	NW	16	NW	16
14	W	3	W	2	W	2	W	2	W	2	C	0	C	0	C	0	C	0	C	0	C	0	E	3	E	4	NE	3	NE	5
15	E	9	E	7	E	7	E	9	E	12	E	15	E	10	SE	5	SE	5	E	6	E	10	E	10	E	8	E	10	E	11
16	N	14	N	14	N	18	N	16	N	10	N	9	N	8	N	15	N	11	N	12	NW	11	NW	13	NW	16	NW	11	W	9
17	N	6	N	7	N	8	N	8	N	10	W	7	S	10	S	20	S	18	S	12	S	6	SE	5	E	5	W	3	W	6
18	S	5	S	4	S	6	S	7	S	11	S	10	S	10	S	9	S	10	S	12	S	12	S	11	S	13	S	11	S	10
19	SW	4	SW	4	W	3	W	4	W	4	W	3	C	1	W	4	W	4	W	5	W	10	W	15	W	14	W	12	W	8
20	N	11	N	10	N	12	N	14	N	14	N	13	N	8	N	10	NW	11	NW	8	W	9	W	9	W	9	W	9	W	5
21	C	1	S	4	C	0	S	5	S	2	S	3	S	4	S	4	S	4	S	3	S	4	S	4	S	4	S	3	S	2
22	C	0	C	1	SE	2	S	3	S	2	S	3	S	2	S	2	S	2	C	1	SE	4	SE	6	SE	7	E	5	E	3
23	C	1	C	1	C	1	S	2	S	4	C	0	C	0	SE	2	S	4	S	7	S	8	S	6	S	5	S	3	S	2
24	C	0	C	1	C	0	C	1	C	0	C	1	C	0	E	3	N	4	N	6	N	8	N	10	N	12	N	14	N	11
25	S	2	E	3	E	4	E	7	E	5	NE	6	NE	5	NE	7	N	12	N	12	N	12	N	18	N	20	N	16	N	14
26	NE	18	NE	13	NE	12	NE	12	NE	13	NE	12	NE	14	NE	10	N	18	N	20	N	21	N	22	N	20	N	14	N	8
27	NE	15	NE	16	NE	16	NE	15	NE	17	NE	13	NE	12	NE	11	NE	10	NE	7	NE	7	NE	10	NE	8	NE	8	NE	6
28	S	11	S	11	S	10	S	10	S	12	S	12	S	12	S	13	S	16	S	14	S	16	S	16	S	18	S	19	S	17
29	S	15	S	16	S	16	S	16	S	15	S	14	S	15	S	11	S	16	S	17	S	17	S	17	W	13	W	18	W	14
30	NW	9	NW	9	NW	12	NW	10	NW	10	NW	10	NW	12	NW	11	NW	14	NW	15	NW	15	NW	12	NW	16	NW	18	NW	17
31	N	8	N	5	N	6	N	6	N	4	N	4	N	7	N	9	N	13	N	13	N	12	N	16	N	12	N	10	N	11
DIR. PREV.	N		N		N		N-S		S		S		S		S		S		N-S		S		S		N-S		S		N-W	
Nº de HORAS	8		8		8		8		9		8		9		10		11		9		10		10		8		8		8	
PROM. HOR. DE LA VELOC		8		8		8		8		8		8		8		8		10		10		11		12		12		11		10

15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		PREVAL. DIARIA		PROM. DIARIO DE VELOC.	VELOCIDAD INSTANTÁNEA		
D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	DIR.	Nº de HORAS		VELOC.	DIREC.	HORA
SE	9	SE	5	SE	2	SE	3	SE	3	SE	5	SE	4	SE	4	SE	3	S	14	7	20	S	1.00
E	3	C	0	S	3	S	5	S	5	S	6	S	3	S	6	S	7	S	11	4	14	S	23.03
S	15	S	17	S	13	S	10	S	13	S	13	S	12	S	11	S	11	S	24	12	46	S	17.00
S	11	S	7	S	7	S	8	S	8	S	6	SW	3	W	4	W	5	S	18	13	38	S	10.08
W	3	C	1	C	1	C	1	C	0	C	1	C	1	E	2	C	0	W	11	3	8	S	12.01
C	1	E	2	C	1	W	4	C	1	C	0	C	0	C	0	C	0	C	16	1	5	N	13.02
NW	7	NW	3	NW	2	C	1	C	0	E	2	E	3	E	6	N	6	C	10	3	11	NW	12.37
N	2	N	6	N	5	E	4	N	2	N	7	N	5	W	2	N	3	N	21	6	10	N	10.54
W	19	W	12	W	10	W	9	W	9	W	7	W	10	W	7	W	7	W	22	11	36	W	14.24
W	15	W	10	W	10	N	10	N	9	N	10	N	9	N	7	N	6	W	19	10	22	W	14.38
N	21	N	21	N	20	N	19	N	25	N	25	N	27	N	28	N	28	N	24	22	45	N	12.44
N	11	NE	5	NE	7	NE	7	NE	10	NE	16	NE	16	N	16	N	14	N	18	17	35	N	2.23
W	10	W	10	W	8	W	8	W	6	W	4	W	4	W	3	SW	3	N	10	12	30	NW	11.54
E	5	E	4	E	4	E	6	E	7	E	10	E	13	E	14	E	7	E	11	4	18	E	21.23
E	8	E	8	E	4	SE	3	SE	6	E	4	NE	6	NE	10	NE	11	E	17	8	16	E	14.25
W	5	W	4	C	1	C	1	NE	2	NE	4	NE	2	NE	5	NE	7	N	10	9	20	N	5.24
W	5	W	6	S	7	S	8	S	5	S	9	S	13	S	13	S	10	S	12	9	32	S	8.03
S	9	W	8	W	4	W	6	W	5	W	4	W	7	W	5	W	6	S	16	8	19	S	13.28
W	6	W	5	N	4	N	3	N	5	N	7	N	9	N	10	N	11	W	14	6	20	S	13.58
S	5*	S	4	C	0	C	1	C	0	C	0	C	0	C	1	C	0	N	8	7	13	W	12.32 13.26
S	3	C	1	C	0	C	0	C	0	C	0	C	0	C	0	C	0	S	14	2	8	S	11.54
E	5	E	4	E	3	E	3	SE	2	SE	4	C	1	C	1	C	1	E-SE S-C	6	3	9	E	15.34
C	1	C	0	C	1	C	0	E	3	C	1	C	1	E	2	C	0	S	6	2	10	S	9.57
N	10	N	7	E	3	E	5	NE	3	N	4	E	2	E	5	E	4	N	10	5	14	N	11.59
N	15	N	12	NE	9	NE	8	NE	8	NE	12	NE	16	NE	13	NE	16	NE	10	10	22	N	13.12
N	8	NE	6	NE	4	NE	7	NE	7	NE	9	NE	12	NE	13	NE	15	NE	16	13	24	N	11.36
E	6	C	1	E	2	E	6	S	3	S	4	S	7	S	6	S	7	NE	15	9	21	NE	7.22
S	18	S	19	S	15	S	18	S	16	S	16	S	18	S	19	S	17	S	24	15	34	S	12.10
W	18	W	10	W	8	W	8	W	6	W	9	W	6	NW	9	NW	9	S	12	13	26	S	9.40
NW	12	NW	10	N	5	N	7	N	6	N	7	N	8	N	7	N	9	NW	17	11	20	NW	10.08
N	12	E	6	E	4	E	5	E	2	E	2	E	3	E	3	E	5	N	16	7	14	N	11.11

W		W		C		E-C		S		N-S		C		E		N		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		72 Km.		
8		8		6		6		6		6		6		6		7					DIREC.	DIA	HORA
	9		7		5		6		6		7		7		7		7	S	172	6	N	11	de 11.43 a 11.48

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							10	46	14	124								170
2					4	21	6	19	11	48							3	89
3									24	295								295
4									18	248	1	3	5	51				302
5					1	2			4	17	1	3	11	45			7	72
6			2	9	3	8							3	8			16	35
7	4	32			3	11							2	8	5	18	10	70
8	21	126			1	4							1	2	1	9		141
9													22	245	2	14		259
10	6	51											18	185				236
11	24	523																523
12	18	351	6	61														412
13	10	100									1	3	8	53	5	120		276
14			2	8	11	77							5	11			6	96
15			3	19	17	148	4	27										194
16	10	127	5	20									3	18	4	51	2	218
17	5	39			1	5	1	5	12	131			5	27				207
18									16	150			8	45				195
19	7	49									2	8	14	97			1	155
20	8	92							2	9			5	41	2	19	7	163
21									14	49							10	51
22					6	23	6	25	6	14							6	67
23					2	5	1	2	9	41							12	55
24	10	86	1	3	6	22											7	114
25	9	131	10	100	4	19			1	2								252
26	8	131	16	177														308
27			15	171	3	14			5	27							1	213
28									24	363								363
29									12	185			10	110	2	18		313
30	7	49													17	212		261
31	16	148			8	30												178
SUMAS	163	2035	60	568	70	389	27	124	172	1703	5	17	120	946	38	461	88	6283
% PREVAL POR VELOCIDAD	32.4		9.0		6.2		2.0		27.1		0.3		15.1		7.3		0.6	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	12		9		6		5		10		3		8		12		0.4	202

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	8	2	1	1	6	1	5	1	6
1 - 2	8	2	2		7	1	4	2	5
2 - 3	8	2	2	1	6		5	2	5
3 - 4	8	2	2	1	8		6	1	3
4 - 5	8	2	2	1	9		5	1	3
5 - 6	7	3	1		8		6	1	5
6 - 7	7	3	1	1	9		3	1	6
7 - 8	7	3	1	2	10		4	1	3
8 - 9	9	1		1	11		5	2	2
9 - 10	9	1	1	1	9	1	3	3	3
10 - 11	7	1	1	2	10		5	3	2
11 - 12	7	1	3	2	10		4	4	
12 - 13	8	2	4	1	8		5	3	
13 - 14	7	3	3		8		6	4	
14 - 15	8	2	4	1	6		8	2	
15 - 16	7		5	1	6		8	2	2
16 - 17	4	2	5	1	4		8	2	5
17 - 18	4	3	6	1	5		5	1	6
18 - 19	4	3	6	2	5		5		6
19 - 20	5	5	3	3	6		4		5
20 - 21	6	4	4	2	6		4		5
21 - 22	5	5	4	1	5	1	4		6
22 - 23	5	4	6	1	5		5	1	4
23 - 24	7	4	3	1	5	1	3	1	6
SUMAS	163	60	70	27	172	5	120	38	88
% de frec. por dirección	22.0	8.1	9.4	3.6	23.1	0.7	16.1	5.1	11.8

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

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
1	9	21.1	8.8	1.00	1	5	5	
	10	26.7	11.0	1.28	1	5	5	
	12	28.9	13.8	1.23	3	5	5	
	14	28.6	13.6	1.22	2	5	5	
	15	12.8	8.8	0.32	7	1	5	
2	9	9.1	6.6	0.20	8	0	4	Ne.
	10	10.0	7.7	0.19	8	0	4	Ne.
	12	16.3	10.7	0.46	8	1	4	Ne.
	14	13.8	10.3	0.28	8	0	5	
	15	11.7	9.4	0.19	8	0	5	
3	9	7.2	5.2	0.16	8	0	5	
	10	12.2	7.0	0.42	8	1	5	
	12	13.9	8.1	0.47	8	1	5	
	14	13.3	9.3	0.32	7	0	5	
	15	10.0	7.9	0.17	8	0	5	
4	9	20.0	6.5	1.10	0	5	5	
	10	24.0	9.2	1.20	0	5	5	
	12	27.8	12.5	1.24	5	5	5	
	14	24.8	12.3	1.02	5	3	5	
	15	23.0	11.9	0.90	5	3	5	
5	9	20.0	5.6	1.17	0	5	5	
	10	24.3	8.7	1.27	0	5	5	
	12	32.0	13.2	1.53	6	5	5	
	14	13.3	8.0	0.43	6	0	5	
	15	23.0	11.1	0.97	5	5	5	
6	9	14.7	6.9	0.63	8	1	5	
	10	15.2	7.8	0.60	8	1	5	
	12	14.8	9.0	0.47	8	1	4	Ne.
	14	13.8	9.2	0.37	8	2	5	
	15	10.3	7.8	0.20	8	0	4	Ne.
7	9	12.0	7.4	0.37	7	1	3	Ne.
	10	10.2	7.3	0.24	8	0	4	Ne.
	12	13.0	9.3	0.30	8	0	4	Ne.
	14	16.0	10.6	0.44	5	3	5	
	15	14.7	10.6	0.33	7	0	5	
8	9	7.6	6.1	0.12	8	0	4	Ne.
	10	14.5	8.4	0.50	8	2	4	Ne.
	12	15.0	9.8	0.42	8	1	5	
	14	20.8	12.6	0.67	8	2	5	
	15	12.8	10.3	0.20	8	0	5	
9	9	24.5	10.5	1.14	1	5	5	
	10	29.0	13.4	1.27	1	5	5	
	12	32.8	16.5	1.33	1	5	5	
	14	32.5	17.4	1.23	0	5	5	
	15	30.0	16.5	1.10	0	5	5	
10	9	23.8	9.7	1.15	0	5	5	
	10	28.1	12.4	1.28	0	5	5	
	12	33.4	17.4	1.30	0	5	5	
	14	26.6	15.7	0.89	4	4	5	
	15	29.4	16.3	1.06	6	5	5	
11	9	15.3	9.7	0.46	8	2	5	
	10	23.8	14.5	0.76	8	2	5	
	12	28.6	18.7	0.80	8	2	5	
	14	26.3	19.0	0.59	8	2	5	
	15	23.0	18.2	0.39	8	1	4	B.
12	9	26.2	13.2	1.06	2	5	5	
	10	32.3	17.1	1.24	1	5	5	
	12	36.4	20.8	1.27	0	5	5	
	14	36.4	21.9	1.18	0	5	4	B.
	15	34.5	21.3	1.07	0	5	5	
13	9	24.6	13.4	0.91	4	5	5	
	10	31.4	17.0	1.17	4	5	5	
	12	35.2	20.6	1.19	6	5	5	
	14	27.4	19.3	0.66	7	4	5	
	15	27.3	18.7	0.70	7	4	5	
14	9	20.7	9.2	0.93	2	5	4	Ne.
	10	30.1	14.1	1.30	1	5	5	
	12	33.6	18.0	1.27	1	5	4	B.
	14	30.2	17.4	1.04	0	5	3	B.
	15	28.4	16.6	0.96	0	5	3	B.
15	9	14.4	9.8	0.37	6	2	3	Ne.
	10	31.2	16.2	1.22	5	5	4	Ne.
	12	27.9	16.4	0.93	7	4	4	Ne.
	14	23.6	15.8	0.63	7	4	4	Ne.
	15	21.7	15.3	0.52	7	2	4	Ne.
16	9	21.2	16.3	0.40	8	0	5	
	10	19.2	17.8	0.11	8	0	5	
	12	30.3	22.8	0.61	8	0	5	
	14	26.8	22.4	0.36	8	3	5	
	15	30.5	23.0	0.61	5	4	5	
17	9				8	0	5	Am.
	10				8	0	5	Am.
	12				8	0	4	LL.
	14				8	0	5	Am.
	15	13.0	10.4	0.21	7	1	5	
18	9	19.0	5.8	1.07	0	5	5	
	10	24.6	8.4	1.32	0	5	5	
	12	27.6	11.1	1.34	1	5	5	
	14	18.9	9.8	0.74	5	3	5	
	15	18.2	8.8	0.76	5	3	5	
19	9	17.8	3.4	1.17	0	5	5	
	10	22.4	6.5	1.29	0	5	5	
	12	26.9	10.2	1.36	0	5	5	
	14	27.2	11.5	1.28	0	5	5	
	15	24.7	10.5	1.15	0	5	5	
20	9	6.2	2.8	0.28	8	1	5	
	10	13.9	6.2	0.63	8	2	5	
	12	17.1	8.7	0.68	8	0	5	
	14	16.3	9.8	0.53	8	1	5	
	15	13.7	9.2	0.36	8	1	5	
21	9	20.1	6.9	1.07	0	5	5	
	10	26.3	10.4	1.29	0	5	5	
	12	28.5	13.1	1.25	5	5	5	
	14	21.0	10.5	0.85	4	3	5	
	15	24.7	11.8	1.05	2	5	5	
22	9	21.9	7.3	1.19	1	5	4	Ne.
	10	25.5	10.1	1.25	1	5	4	Ne.
	12	29.2	13.3	1.29	6	5	5	
	14	27.5	13.8	1.11	7	4	3	B.
	15	10.8	8.7	0.17	8	0	4	B.
23	9	22.9	9.2	1.11	5	5	5	
	10	27.2	11.4	1.28	4	5	5	
	12	23.7	14.1	0.78	2	5	5	
	14	18.0	11.3	0.54	7	0	5	
	15	15.9	10.9	0.41	7	0	5	
24	9	22.3	8.6	1.11	4	5	4	Ne.
	10	23.0	10.3	1.03	7	4	4	Ne.
	12	25.8	12.7	1.06	7	4	4	Ne.
	14	30.3	14.8	1.26	6	5	5	
	15	24.9	13.0	0.97	6	5	5	
25	9	23.0	10.1	1.05	8	4	4	Ne.
	10	27.5	13.3	1.15	8	4	5	
	12	34.0	18.4	1.27	7	4	5	
	14	29.4	17.8	0.94	7	4	5	
	15	31.2	18.1	1.06	6	5	5	
26	9	17.0	11.0	0.49	8	1	5	
	10	20.8	13.4	0.60	8	1	5	
	12	29.1	18.6	0.85	8	2	5	
	14	30.8	19.9	0.89	8	2	5	
	15	26.2	18.7	0.61	8	2	5	
27	9	15.1	12.8	0.19	8	0	5	
	10	17.6	14.5	0.25	8	0	5	
	12	27.7	19.7	0.65	8	0	5	
	14	29.5	21.7	0.63	8	2	4	
	15	24.5	20.1	0.36	7	2	4	B.
28	9				8	0	4	LL.
	10				8	0	4	LL.
	12				8	0	5	Am.
	14				8	0	5	Am.
	15				8	0	4	LL.
29	9	20.7	8.2	1.02	3	5	5	
	10	25.7	10.8	1.22	7	5	5	
	12	25.2	12.3	1.05	6	2	5	
	14	19.0	11.1	0.64	6	3	5	
	15	24.5	12.8	0.95	6	5	5	
30	9	23.2	9.7	1.10	0	5	5	
	10	28.2	12.9	1.24	0	5	5	
	12	34.1	17.8	1.33	0	5	5	
	14	34.8	19.3	1.26	0	5	5	
	15	33.0	18.7	1.16	0	5	5	
31	9	24.8	10.0	1.20	0	5	5	
	10	30.3	13.8	1.34	0	5	5	
	12	34.8	18.2	1.35	0	5	5	
	14	34.3	18.7	1.27	0	5	4	B.
	15	33.4	18.7	1.20	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			0.4	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0.2				6.7	9.8	68
2								0.1							0.1	9.8	01
3								0.5	0.5	0.1		0.4			1.5	9.8	15
4			0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3			8.5	9.8	87
5				0.2	1.0	1.0	1.0	0.5	0.1	0.6	0.6	0.3			5.3	9.8	54
6								0.2							0.2	9.8	02
7					0.1		0.2	0.1	0.7	0.1	0.6				1.8	9.9	18
8						0.2		0.3	0.6						1.1	9.9	11
9			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			9.2	9.9	93
10			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.6			8.8	9.9	89
11															0.0	9.9	00
12			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			9.0	9.9	91
13			0.4	0.6	1.0	1.0	1.0	1.0	0.2	0.1	0.5				5.8	9.9	59
14			0.2	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			7.8	9.9	79
15				0.3	0.7	1.0	0.8	0.2	0.9	0.3					4.2	9.9	42
16						0.1	0.9	0.4	0.1	0.7	0.3				2.5	9.9	25
17															0.0	10.0	00
18			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6			9.1	10.0	91
19			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			9.2	10.0	92
20					0.1	0.1		0.6	0.5		0.4				1.7	10.0	17
21			0.3	1.0	1.0	1.0	0.8	1.0	1.0	1.0	1.0	0.7			8.8	10.0	88
22			0.5	1.0	1.0	1.0	1.0	0.9	0.8		0.2				6.4	10.1	63
23			0.1	1.0	1.0	1.0	1.0	1.0	0.3	0.4					5.8	10.1	57
24			0.3	1.0	1.0	1.0	1.0	0.9	1.0	0.8	0.6	0.7			8.3	10.1	82
25			0.3	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6			8.6	10.1	85
26							0.6	0.6	0.7	0.3					2.2	10.2	22
27						0.1	0.1	0.7	1.0	0.9	0.5				3.3	10.2	32
28															0.0	10.2	00
29				1.0	1.0	1.0	1.0	1.0	0.5	1.0	1.0	1.0			8.5	10.2	83
30			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9			9.3	10.2	91
31			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			9.1	10.3	88
Medias			0.2	0.5	0.6	0.6	0.7	0.7	0.6	0.5	0.5	0.3			5.2	10.0	52

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	9.2	10.8	9.8	9.5	10.1	10.0	8.6	8.6	8.8	9.4	9.3	9.4	-	-	-
2	8.4	10.0	10.0	9.0	9.6	9.8	8.1	8.2	8.3	9.0	9.0	9.0	-	-	-
3	8.7	9.4	8.6	8.7	9.1	9.0	8.0	7.9	8.0	8.7	8.6	8.8	-	-	-
4	5.8	8.4	7.8	6.9	7.9	8.0	6.9	6.8	7.0	8.2	7.7	7.6	-	-	-
5	5.2	7.8	7.2	6.3	7.4	7.6	6.2	6.0	6.4	7.4	7.2	7.4	-	-	-
6	6.5	8.2	8.3	6.9	7.8	8.0	6.2	6.2	6.7	7.3	6.1	7.3	-	-	-
7	8.0	9.6	8.6	7.8	8.6	8.6	6.6	7.2	7.0	7.4	7.6	7.6	-	-	-
8	7.6	9.3	9.0	7.6	8.4	8.0	6.7	6.8	7.0	7.4	7.4	7.4	-	-	-
9	7.3	10.0	8.6	7.6	8.7	8.8	6.6	7.0	7.4	7.6	7.5	7.7	-	-	-
10	7.0	10.0	8.8	7.4	8.6	8.8	6.8	6.9	7.4	7.7	7.4	7.9	-	-	-
11	7.0	10.0	10.0	6.4	8.6	9.3	6.6	6.8	7.4	7.6	7.3	7.6	-	-	-
12	8.3	11.3	10.6	8.6	9.8	10.1	7.3	7.6	8.0	8.0	8.0	8.2	-	-	-
13	9.2	12.2	10.6	9.2	10.5	10.6	8.0	8.2	8.6	8.3	8.5	8.6	-	-	-
14	7.7	11.0	9.8	8.5	8.8	9.9	7.8	7.8	8.1	8.6	8.3	8.4	-	-	-
15	9.5	12.0	11.5	9.5	12.0	11.5	9.4	10.6	10.8	8.0	8.3	8.8	-	-	-
16	12.2	15.2	14.0	11.6	13.1	13.4	9.1	10.0	10.4	9.2	9.5	10.0	-	-	-
17	13.4	12.4	11.5	12.7	12.0	11.5	10.6	10.3	10.0	10.6	10.4	10.4	-	-	-
18	8.2	10.4	8.4	9.0	9.6	9.2	8.6	8.4	8.4	9.8	9.2	9.2	-	-	-
19	5.4	8.2	7.0	6.6	6.8	7.5	7.0	7.0	6.8	8.4	8.0	7.9	-	-	-
20	5.2	7.6	7.0	5.9	7.0	7.2	5.6	5.6	6.0	7.2	7.0	7.0	-	-	-
21	4.7	8.4	6.7	5.2	7.0	7.2	5.6	5.4	5.8	6.6	6.6	6.6	-	-	-
22	4.2	7.5	7.3	5.1	6.6	5.1	5.0	5.2	5.4	6.3	6.2	6.3	-	-	-
23	6.3	9.0	8.4	6.3	7.7	8.0	5.4	5.6	6.4	6.4	6.4	6.8	-	-	-
24	5.2	8.7	7.8	6.0	7.4	7.6	5.5	5.6	6.4	6.5	6.3	6.8	-	-	-
25	5.8	9.6	9.0	6.1	7.8	8.4	5.7	5.8	6.6	6.7	6.6	6.8	-	-	-
26	7.4	10.2	10.1	7.5	8.7	9.3	6.2	6.3	7.0	6.8	7.0	7.2	-	-	-
27	9.5	12.2	11.6	9.2	10.2	10.8	7.5	7.8	8.4	7.7	7.8	8.3	-	-	-
28	10.4	10.5	9.6	10.1	10.0	9.5	8.3	8.2	8.0	8.5	8.4	8.3	-	-	-
29	8.3	10.0	8.4	8.3	9.0	8.6	7.2	7.2	7.4	7.8	7.6	7.8	-	-	-
30	5.6	9.8	8.6	6.4	8.1	8.6	6.0	6.1	6.8	7.3	7.0	7.4	-	-	-
31	6.0	9.7	8.7	6.7	8.2	8.6	6.1	6.2	6.8	7.3	7.0	7.2	-	-	-
Prom.	7.5	10.0	9.1	7.8	8.9	9.0	7.1	7.2	7.5	7.9	7.7	7.9	-	-	-

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	0.4	0.7	0.4	1.4	C. 1	22.3	22.5	24.2			10355
2					1	0.3	0.3	0.3	0.8							10350
3	0.0	0.0	0.0	0.0	1	0.2	0.4	0.5	1.2							10349
4	0.8	0.7	0.7	0.9	1	0.3	0.7	0.6	1.6							10350
5					1	0.3	0.8	0.2	1.2							10352
6					1	0.2	0.3	0.2	0.7	C. 2	19.7	19.4	24.6			10350
7	0.0	0.0	0.0	0.0	1	0.2	0.2	0.3	0.6							10338
8	0.0	0.0	0.0	0.0	1	0.1	0.3	0.3	0.6							10305
9	0.0	0.0	0.0	0.0	1	0.0	0.9	1.0	2.5							10306
10					0	0.6	0.8	0.9	2.5							10326
11					0	0.8	2.0	1.8	6.0	C. 3	22.8	21.2	23.8	19.4		10325
12					0	2.2	1.9	1.4	4.3							10325
13					0	1.0	1.0	0.7	2.0							10316
14					0	0.3	0.5	0.6	1.1							10328
15					0	0.0	0.5	0.3	1.3							10325
16	7.2	7.3	6.7	6.1	2	0.5	0.6	0.3	1.3							10298
17	0.0	0.4	0.0	0.0	2	0.4	0.2	0.2	1.1							10293
18	4.0	4.0	3.7	3.2	2	0.7	0.7	0.5	1.7	C. 4	18.9	22.0	26.2			10343
19					2	0.5	1.6	0.5	2.7							10353
20					1	0.6	0.6	0.4	1.0							10336
21					0	0.0	0.8	0.4	1.4	C. 5	24.2	22.4	25.6			10341
22					0	0.2	0.8	0.5	1.5							10340
23	0.0	0.0	0.0	0.0	0	0.2	0.5	1.0	2.0							10338
24					0	0.5	0.7	0.5	1.3							10320
25					0	0.1	1.0	1.0	3.0							10317
26					0	1.0	1.6	1.0	4.4							10307
27					0	1.8	1.1	0.8	2.4							10295
28	19.5	20.2	18.3	19.0	2	0.5	0.1	0.2	0.6							10290
29	21.9	22.1	-	19.4	2	0.3	0.9	0.3	2.0							10273
30					2	0.8	1.8	1.1	3.3							10278
31					1	0.4	1.5	1.0	2.5	C. 7	20.6	20.3	26.0	22.6	15.1	10274
Prom.	53.4	54.7	-	48.6	-	0.5	0.8	0.6	1.9	-	-	-	-	-	-	10323

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		
-	-	-	14.0	14.0	14.0	17.5	18.7	-0.3	Ca. m. y t., Cn. n., r. m.
-	-	-	13.7	13.8	13.7	17.4	18.7	-1.0	Cn. m. t. y n., Ne. m. y t., Z. n.
-	-	-	13.7	13.7	13.6	17.4	18.7	2.2	Cn. m. y t., Ca. n., CH. n.
-	-	-	13.3	13.4	13.4	17.3	18.6	-3.2	Ca. m., Cn. t. y n., h. m.
-	-	-	13.2	13.2	13.1	17.2	18.6	-7.3	Ca. m., Cn. t. y n., Ne. h. m., r. n.
-	-	-	13.1	13.1	13.0	17.0	18.6	-4.1	Cn. m. t. y n., Ne. m.
-	-	-	13.0	13.0	12.9	17.0	18.6	4.2	Cn. m. t. y n., N. Z. m.
-	-	-	12.7	12.7	12.7	17.0	18.5	-1.5	Cn. m. t. y n., N. m., Z. n.
-	-	-	12.7	12.8	12.8	16.9	18.4	-1.5	Ca. m. t. y n., r. m.
-	-	-	12.6	12.7	12.6	16.8	18.4	-2.1	Ca. m. y n., Cn. t., h. m.
-	-	-	12.6	12.7	12.7	16.7	18.4	-2.0	Cn. m. t. y n.
-	-	-	12.5	12.6	12.6	16.6	18.3	1.1	Ca. m. y t., Cn. n., B. t.
-	-	-	12.5	12.6	12.6	16.6	18.3	3.6	Cn. m. y t., Ca. n., r. m. y n.
-	-	-	12.4	12.5	12.5	16.5	18.2	-3.3	Cn. m.,Ca. t.y n.,h.Ns.Ne. m., B. t.,Ne.N.r. n.
-	-	-	12.5	12.6	12.6	16.5	18.2	0.7	Cn. m. t. y n., N. m., Ne. t.y n., Dl. R. n.
-	-	-	12.7	12.7	12.7	16.4	18.2	8.2	Cn. m. y t., Ca. n.,Ru.CH. m., Ns. N. n.
-	-	-	12.7	12.7	12.7	16.3	18.2	9.7	Cn. m. t. y n.,CH. m. y t., Ru. m. y t., Dl. n.
-	-	-	12.7	12.7	12.8	16.2	18.2	-1.3	Ca. m. y n., Cn. t., h. m., r. n.
-	-	-	12.6	12.7	12.7	16.2	18.1	-	Cn. m. t. y n., h. m., r. n.
-	-	-	12.6	12.6	12.7	16.1	18.1	-5.5	Cn. m. t. y n., h. m., r. n., Jl. n.
-	-	-	12.7	12.7	12.7	16.1	18.1	-6.8	Ca. m. y n., Cn. t., h. m., r. n.
-	-	-	12.3	12.2	12.0	16.0	17.9	-7.4	Ca. m., Cn. t. y n., h. m., B. t.
-	-	-	11.8	11.8	11.8	16.0	18.0	-3.8	Cn. m. y t., Ca. n., r. n.
-	-	-	11.7	11.8	11.9	16.0	17.8	-7.3	Cn. m. y t.,Ca. n.,h. N. Ns. m., r. Jl. n.
-	-	-	11.8	11.7	11.7	15.8	18.0	-5.2	Cn. m. y t., Ca. n., h. r. m., Jl. n.
-	-	-	11.7	11.7	11.7	15.8	17.7	2.6	Cn. m. t. y n., Ns. m., Jl. n.
-	-	-	11.7	11.7	11.7	15.7	17.7	5.7	Cn. m. t. y n., Dl. Jl. m., B. t., Ne. n.
-	-	-	11.7	11.7	11.6	15.7	17.7	7.6	Cn. m. t. y n., Ru. LL. m. t. y n., Z. n.
-	-	-	11.6	11.8	11.7	15.2	16.8	2.2	Cn. m. y t., Ca. n., r. n.
-	-	-	11.6	11.6	11.6	15.0	17.2	-4.7	Ca. m. t. y n., h. m., r. n.
-	-	-	11.5	11.6	11.6	15.2	17.2	-6.1	Ca. m. t. y n., h. m., B. t., r. n.
-	-	-	12.5	12.6	12.5	16.4	18.1	-0.9	

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	64.2	72.1	5	10	53.7	8	18-19	5.4	9.7	1.5	13.7	10	15	- 2.7	5	7-8	4.3	9.8	44
2ª	60.9	69.8	19	10	47.6	17	4-5	8.4	14.3	3.0	22.1	16	14-15	- 7.5	19	7	4.9	9.9	50
3ª	64.2	70.7	23	0	51.5	27	15,16	6.8	13.2	1.2	20.0	27	14-15	- 4.8	22	7-8	6.4	10.2	63
MES	63.1	72.1	5	10	47.6	17	4-5	6.9	12.4	1.9	22.1	16	14-15	- 7.5	19	7	5.2	10.0	52

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	84	100	varios	40	9	5.4	7.4	3.6	S	10	60	3;9	23	9	14-15	46	S	3	17.00	0.7	0.7	3	0.7	3	17.45-18.00
2ª	80	100	varios	44	19	6.8	15.0	2.4	N	16	72	11	32	11	11-12 12-13	45	N	11	12.44	11.7	7.3	16	6.5	16	6.00-7.00
3ª	80	100	varios	38	31	5.8	10.5	3.0	S	10	48	varios	22	26	11-12	34	S	28	12.10	42.3	22.1	29	11.5	28	6.00-7.00
MES	81	100	varios	38	31	6.0	15.0	2.4	N	12	72	11	32	11	11-12 12-13	46	S	3	17.00	54.7	22.1	29	11.5	28	6.00-7.00

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	-	3	2	-	-	-	-	2	-	1	-	-	-	1	-	-
2ª	6	2	2	2	2	-	-	2	-	-	2	-	-	-	1	2	2
3ª	6	3	2	-	1	-	-	1	-	-	-	-	-	-	-	1	1
MES	21	5	7	4	3	-	-	3	2	-	3	-	-	-	2	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	3	3	-	-	-	-	-	-	-	-	-	2	4	3	-	-
2ª	5	6	-	-	-	-	2	-	-	-	-	4	4	3	-	-
3ª	8	8	-	-	-	1	2	-	3	-	-	3	3	5	-	-
MES	16	17	-	-	-	1	4	-	3	-	-	9	11	11	-	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VIII AGOSTO 1953 Nº 8

RESUMEN MENSUAL

Desde el principio del mes se establece una corriente del sector norte por la cual temperatura y humedad absoluta se encuentran en continuo ascenso reinando tiempo bueno en los primeros días. Esta corriente del norte se intensifica considerablemente hacia la mitad de la década (el día 5 se observa una ráfaga de 108 Km/h) y el tiempo empeora. Por la tarde del 6 aire poco más fresco desplaza al aire tropical transitoriamente, ya que el 8 predomina de nuevo el mismo aire y el promedio diario de la temperatura sobrepasa por primera vez los 20°C. En la madrugada del 9 aire fresco y seco en su avance al norte llega al Río de la Plata produciendo un brusco aumento de la presión atmosférica (10 mmHg en 8 horas) y una caída de la tensión del vapor casi a la mitad (de 13 a 7 mmHg). A pesar de esto la temperatura se mantiene todavía sobre sus términos medios hasta el fin de la década aunque en un grado menor.

Tiempo caluroso e inestable con temperaturas hasta 10°C sobre la normal es también el rasgo característico de la primera mitad de la segunda década. El 11 sube el termómetro hasta 29.4°C el valor máximo mensual, y la temperatura media diaria de este día es de 22.6°C (un valor que corresponde al valor medio de enero). También la humedad absoluta muestra valores estivales con 16.0 mmHg como máximo y 13.3 mmHg como promedio diario del día 12. Al encontrarse el Observatorio en una zona limítrofe entre la masa de aire tropical y una más fresca que avanzó desde el sudoeste en los dos días siguientes, el tiempo se pone más y más inestable. El día 15 debido al pasaje de un débil frente frío se forma una depresión sobre el Río de la Plata originando el 16, una precipitación que prácticamente es el total mensual (23 mm). Después de un período de 15 días de tiempo caluroso la temperatura baja en forma pronunciada, y el tiempo se mantiene inestable hasta el fin de la década.

El día 20 se forma una sudestada con elevada nubosidad que se mantiene hasta el 22. Al mismo tiempo se desarrolla una débil depresión sobre el Río de la Plata por la cual la presión desciende al nivel más bajo del mes (742.4 mmHg) el día 22. En la noche al 23 esta masa de aire fresco y húmedo está desplazada por una más seca. El cielo despeja rápidamente y la humedad baja al nivel mínimo mensual (3.0 mmHg de tensión de vapor y 25% de humedad relativa). Un segundo empuje de aire fresco pasa por el Observatorio la tarde del 25 y la temperatura sigue bajando hasta el día 27 en que marca el mínimo mensual con -3.3°C. Al mismo tiempo sube la presión atmosférica al máximo mensual (772.3 mmHg). Por la tarde de este mismo día la dirección predominante del viento cambia al noreste lo que produce un continuo aumento de temperatura, humedad y nubosidad hasta el fin del mes.

La intensa afluencia de aeromasas desde el norte durante la primera mitad del mes es la causa por la cual el promedio de la temperatura es de 2.5°C más alto que la normal y el de la tensión del vapor de 1 mmHg. La presión atmosférica muestra un valor de 2 mmHg más bajo que su término medio, mientras las lluvias alcanzan sólo la tercera parte de lo que comúnmente corresponde a este mes.

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	90	90	110	104	97	83	110	110
4	55	55	69	69	69	55	90	90	97	110	97	97	90	124	117
5	69	62	62	69	69	69	69	76	76	90	69	28	55	41	55
6	69	76	83	76	83	90	90	97	83	97	104	104	97	124	76
7	55	76	76	83	76	69	90	104	69	76	90	90	90	117	110
8	14	28	55	76	55	83	90	110	90	117	110	97	41	41	76
9	83	62	55	62	48	-	-	-	41	55	62	97	104	117	124
10	104	152	152	110	110	138	159	213	186	166	97	104	90	90	90
11	69	69	90	90	90	76	83	76	83	83	76	97	48	69	62
12	62	55	69	83	83	90	97	83	97	166	159	166	104	69	90
13	34	28	34	34	34	34	55	69	69	124	97	21	41	62	83
14	41	55	76	83	117	83	138	138	110	14	28	21	34	76	104
15	76	62	48	41	34	55	14	21	83	21	- 21	- 69	-152	- 7	14
16	14	34	14	14	00	21	14	7	- 14	±∞	±∞	±∞	±∞	±∞	±∞
17	69	55	76	104	117	110	159	233	193	119	179	159	131	124	124
18	124	104	104	104	110	131	131	110	110	117	124	117	110	124	145
19	104	104	69	41	41	41	34	110	48	69	124	138	145	138	124
20	110	55	55	41	48	28	21	48	41	55	97	152	220	172	172
21	213	259	186	207	226	207	239	252	460	213	138	83	-104	69	97
22	76	83	69	34	55	97	83	110	110	110	14	124	104	110	131
23	76	69	69	62	62	104	145	110	90	7	28	48	55	69	69
24	-124	- 14	28	41	69	69	110	152	159	131	104	110	97	104	110
25	76	97	90	117	117	322	333	226	131	14	28	69	97	69	83
26	55	41	34	55	62	41	48	90	69	76	41	97	69	41	48
27	110	97	138	124	117	117	90	97	284	483	159	124	124	97	97
28	55	62	62	62	69	83	97	145	110	69	28	186	179	172	186
29	41	55	28	62	76	83	83	76	104	48	14	7	- 28	124	152
30	90	69	104	97	90	69	138	138	220	152	117	117	200	138	138
31	126	110	104	-	-	-	-	-	-	-	-	-	-	-	-
Prom.	64.6	69.4	76.4	77.7	80.9	93.6	105.2	117.8	118.4	123.0	94.9	105.1	99.2	100.8	105.3

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	0.59	0.48	1.07	1.23	322	207	529	1.55	1.28	1.62
2	0.68	0.58	1.26	1.17	307	252	559	1.22	1.56	1.61
3	0.76	0.66	1.42	1.15	416	413	829	1.02	1.27	1.12
4	0.73	0.64	1.37	1.14	401	377	778	1.06	1.27	1.19
5	0.64	0.54	1.18	1.18	292	312	614	0.93	1.53	1.21
6	0.58	0.54	1.12	1.07	234	204	438	1.15	1.73	1.85
7	0.38	0.29	0.67	1.31	174	178	352	0.98	1.53	1.14
8	0.52	0.49	1.01	1.06	231	263	494	0.88	1.58	1.30
9	0.67	0.62	1.29	1.08	463	484	947	0.96	1.01	0.90
10	0.67	0.65	1.32	1.03	425	405	830	1.05	1.10	1.12
11	0.66	0.63	1.29	1.05	231	273	504	0.83	2.00	1.61
12	0.62	0.60	1.22	1.03	260	258	518	1.01	2.03	1.62
13	0.43	0.42	0.85	1.02	213	198	411	1.07	1.40	1.48
14	0.48	0.46	0.94	1.04	228	202	430	1.13	1.48	1.60
15	0.72	0.72	1.44	1.00	431	472	903	0.91	1.16	1.06
16	0.99	0.95	1.94	1.04	618	737	1355	0.84	1.12	0.90
17	0.79	0.66	1.45	1.20	497	418	915	1.19	1.11	1.10
18	0.78	0.66	1.44	1.18	500	480	980	1.04	1.09	0.96
19	0.66	0.59	1.25	1.12	417	394	811	1.06	1.10	1.05
20	0.72	0.70	1.42	1.03	453	429	882	1.05	1.11	1.14
21	0.46	0.40	0.86	1.15	253	232	485	1.09	1.27	1.20
22	0.97	0.91	1.88	1.06	658	672	1330	0.98	1.03	0.94
23	1.13	1.16	2.29	0.98	751	894	1645	0.84	1.05	0.91
24	0.88	0.88	1.76	1.00	572	695	1267	0.82	1.07	0.89
25	0.88	0.88	1.76	1.00	524	455	979	1.15	1.18	1.35
26	0.97	1.03	2.00	0.94	666	749	1415	0.89	1.01	0.96
27	0.57	0.55	1.12	1.04	383	396	779	0.97	1.04	0.97
28	0.60	0.56	1.16	1.07	404	432	836	0.93	1.04	0.91
29	0.46	0.44	0.90	1.04	174	161	335	1.04	1.85	1.91
30	0.61	0.59	1.20	1.03	386	-	-	-	1.11	-
31	0.38	0.38	0.76	1.00	235	866	1101	0.27	1.13	0.31
Prom.	0.69	0.65	1.34	1.06	396	414	810	0.96	1.22	1.10

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
-	-	-	-	-	-	-	-	-		-	-	-	-
-	-	-	-	-	-	-	-	-		-	-	-	-
117	138	159	166	152	104	90	69	55		220	21	199	0*
104	90	110	97	90	83	69	69	69	86.0	239	28	211	0
76	97	117	117	124	104	76	83	83	76.5	233	- 83	316	1
83	90	90	131	83	48	28	34	48	82.7	207	14	193	0
104	90	83	69	69	62	90	83	62	82.6	193	28	165	0
124	138	172	145	131	131	104	104	90	92.6	233	-131	364	1
117	110	152	200	207	233	246	233	145		350	- 28	378	1*
104	90	117	97	76	69	62	55	48	111.6	278	21	256	0
110	110	90	117	138	97	69	69	48	83.7	233	- 34	267	1
97	83	48	90	69	55	83	69	62	88.7	328	- 55	383	1
55	- 14	21	55	110	48	28	41	14		166	- 83	249	2
90	97	104	117	97	83	69	69	55		259	- 83	342	2
41	21	55	76	55	28	7	34	28		220	-246	466	2
357	166	90	90	76	90	69	76	83		∞	-∞	-	3*
124	220	239	186	131	159	226	179	131	150.3	362	28	334	0
145	166	200	213	193	131	104	124	83	130.2	297	28	269	0
124	152	186	172	166	124	145	124	110	109.7	304	- 41	345	1
220	186	131	166	166	186	179	179	193	121.7	316	00	316	0
110	-110	55	69	34	28	34	34	48		600	-253	853	2
110	97	69	83	83	90	90	76	69	86.5	166	- 55	221	1
76	83	69	138	83	- 21	- 34	- 7	- 69		764	-686	1450	2
117	110	117	152	186	152	104	117	90	95.4	284	-195	479	1
97	83	124	131	124	110	104	90	62	116.4	495	- 62	557	1
90	117	117	186	207	193	207	138	104	92.8	304	-110	414	1
110	159	193	278	350	246	186	131	97	167.0	541	14	527	0
-	-	-	-	-	-	-	110	90		252	-138	390	1*
138	97	110	110	124	104	131	124	90	81.4	233	- 97	330	1
145	145	233	252	207	179	104	207	145	145.6	339	00	339	0
28	34	83	-	-	-	14	28	21		138	- 48	186	1*
117.0	122.1	134.0	146.9	143.0	122.3	113.7	108.2	89.2	105.4				

IONES PESADOS número "N" por cm³				CORRIENTE VERTICAL "1" . 10^{-7} U.E.S.	NÚCLEOS AITKEN
N^+	N^-	$N^+ + N^-$	N^+ / N^-	por cm²	por cm³
12364	13196	25560	0.94	-	38,000
9194	9856	19050	0.93	-	-
3254	3776	7030	0.86	-	8,500
4261	5118	9379	0.83	3.94	15,000
5194	5647	10841	0.92	3.00	8,750
6273	7815	14088	0.80	3.27	10,250
14356	14878	29234	0.97	1.84	24,500
6209	7360	13569	0.84	3.12	15,250
8334	10082	18416	0.83	-	24,750
7812	8557	16369	0.91	4.92	9,500
6690	7660	14350	0.87	3.61	8,750
9874	10748	20622	0.92	3.60	21,750
14400	14724	29124	0.98	-	18,750
12735	13792	26527	0.92	-	31,500
5830	7252	13082	0.80	-	18,500
6393	4972	11365	1.29	-	6,500
10473	8674	19147	1.21	7.27	24,250
9909	8637	18546	1.15	6.35	15,000
12448	7104	19552	1.75	4.57	8,750
10847	9040	19887	1.20	5.76	16,750
13463	13597	27060	0.99	-	30,250
6132	3439	9571	1.79	5.43	18,500
7234	3626	10860	2.00	-	20,250
7055	5232	12287	1.35	5.58	8,100
5682	3401	9083	1.67	6.83	9,750
6863	5263	12126	1.30	6.18	7,500
15478	11098	26576	1.40	6.22	23,250
11956	9383	21339	1.28	-	24,000
11848	11255	23103	1.05	2.44	25,000
8713	8674	17387	1.01	5.83	11,500
16678	19135	35813	0.87	-	30,500
9220	8791	18011	1.05	4.72	17,787

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	0.53	0.68	1.15	-	-	-	-	-	0.41	0.58	0.64	0.69
2	0.42	0.44	0.45	0.28	0.35	0.41	0.84	1.92	1.61	0.86	0.52	0.52
3	0.79	0.74	1.00	0.98	0.92	0.90	0.98	0.60	0.65	0.72	0.74	0.56
4	1.06	0.92	0.89	0.86	0.96	0.88	0.66	0.47	0.58	0.64	0.62	0.64
5	1.12	1.07	0.97	0.82	0.86	0.74	0.59	0.66	0.54	0.56	0.46	0.46
6	0.74	0.73	0.63	0.60	0.58	0.55	0.50	0.52	0.55	0.48	0.50	0.49
7	-	-	-	-	-	-	-	-	-	-	-	0.30
8	0.42	0.30	0.30	0.40	0.34	0.68	0.32	0.55	0.49	0.54	0.74	0.61
9	0.62	0.41	-	-	-	-	-	1.04	1.06	0.98	0.82	0.70
10	0.49	0.60	0.54	0.85	1.20	0.67	0.57	0.54	0.58	0.58	0.67	0.66
11	-	-	-	-	-	-	-	-	-	1.31	0.73	0.52
12	-	-	-	-	-	-	-	-	-	-	1.13	0.58
13	-	-	-	-	-	-	-	0.28	0.29	0.41	0.50	0.44
14	0.38	0.43	0.40	0.36	0.32	-	-	-	0.50	0.38	0.44	0.46
15	0.58	0.66	0.71	0.70	0.68	0.52	0.52	0.53	0.54	0.64	0.68	0.72
16	0.82	0.72	0.74	1.20	1.09	0.82	0.97	0.97	0.98	1.42	0.84	0.60
17	1.32	1.35	1.32	1.49	1.23	1.02	0.77	0.72	0.80	0.67	0.67	0.73
18	0.74	0.98	0.96	0.74	1.02	1.02	1.08	1.36	0.98	0.89	0.74	0.80
19	0.56	0.46	0.39	0.77	0.66	0.70	0.47	0.62	0.92	0.79	0.79	0.74
20	0.56	1.19	1.47	1.34	1.38	1.42	1.30	0.99	0.80	0.68	0.49	0.34
21	0.60	0.64	0.45	0.61	0.53	0.56	0.53	0.46	0.53	0.42	0.45	0.42
22	0.86	0.78	0.93	1.00	0.78	0.76	0.82	0.73	1.20	1.00	0.96	0.77
23	1.30	1.40	1.44	1.64	1.57	1.26	0.88	1.08	1.27	0.93	0.82	0.74
24	1.16	1.33	1.28	1.47	1.40	1.30	1.14	0.69	0.72	0.80	0.95	0.80
25	0.82	0.71	0.76	0.80	0.76	0.92	0.69	0.73	0.69	0.18	0.76	0.86
26	1.46	1.46	1.39	1.36	1.39	1.51	1.51	1.11	-	0.86	0.91	0.86
27	1.04	0.89	-	-	-	-	-	-	0.37	0.38	0.61	0.48
28	0.78	0.71	0.66	0.76	0.71	0.53	0.66	0.95	0.63	0.63	0.63	0.66
29	0.44	0.54	0.45	0.50	0.51	0.44	0.46	0.54	0.50	0.45	0.42	0.44
30	-	-	-	-	-	-	-	0.64	0.54	0.61	0.65	0.60
31	0.29	0.35	0.34	0.32	0.38	0.34	0.30	0.30	0.29	0.32	0.40	0.42
Promedio	0.76	0.79	0.82	0.86	0.85	0.82	0.75	0.76	0.70	0.68	0.68	0.60

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	0.75	0.43	-	-	-	-	-	-	0.30	0.44	0.44	0.53
2	0.37	0.42	0.46	0.34	0.40	0.32	0.76	1.34	1.57	0.55	0.38	0.40
3	0.93	0.72	0.89	0.92	0.80	0.88	0.78	0.33	0.56	0.60	0.53	0.46
4	0.90	0.78	0.66	0.83	0.79	0.69	0.48	0.48	0.53	0.58	0.53	0.60
5	1.04	0.97	0.80	0.74	0.78	0.64	0.46	0.50	0.48	0.48	0.40	0.44
6	0.66	0.58	0.51	0.50	0.53	0.46	0.42	0.42	0.44	0.44	0.46	0.44
7	-	-	-	-	-	-	-	-	-	-	0.33	0.29
8	0.41	0.28	0.47	0.40	0.39	0.55	0.44	0.42	0.46	0.46	-	0.53
9	0.66	0.48	-	-	-	-	-	0.78	1.04	1.00	0.94	0.69
10	0.42	0.53	0.44	0.60	1.04	0.60	0.49	0.46	0.55	0.59	0.66	0.69
11	-	-	-	-	-	-	-	-	-	0.86	0.68	0.50
12	-	-	-	-	-	-	-	-	-	-	1.00	0.54
13	-	-	-	-	-	-	-	0.25	0.32	0.50	0.48	0.44
14	0.37	0.40	0.37	0.36	0.34	-	-	-	0.46	0.37	0.48	0.46
15	0.58	0.66	0.66	0.60	0.59	0.53	0.46	0.50	0.53	0.64	0.64	0.86
16	0.84	0.68	0.95	1.31	1.02	0.80	0.98	1.02	1.30	0.96	0.97	0.77
17	1.34	1.34	1.12	1.26	0.92	0.78	0.46	0.48	0.60	0.59	0.64	0.62
18	0.67	0.87	0.86	0.56	0.80	0.78	0.76	0.76	0.93	0.88	0.66	0.84
19	0.51	0.48	0.40	0.76	0.55	0.46	0.40	0.46	0.66	0.83	0.70	0.72
20	1.24	1.38	1.44	1.38	1.44	1.46	1.16	1.06	1.21	0.86	0.34	0.20
21	0.40	0.53	0.38	0.46	0.40	0.46	0.40	0.40	0.26	0.26	0.50	0.44
22	0.78	0.74	0.92	0.84	0.76	0.64	0.78	0.74	1.11	0.96	0.92	0.76
23	1.28	1.31	1.30	1.41	1.03	0.98	0.60	1.05	1.28	1.22	1.03	0.87
24	1.44	1.48	1.33	1.46	1.38	1.36	0.64	0.62	0.79	0.92	1.00	0.90
25	0.82	0.70	0.76	0.78	0.80	0.74	0.66	0.64	0.68	0.44	0.93	1.04
26	1.44	1.60	1.60	1.44	1.44	1.64	1.46	1.03	-	1.05	1.24	0.98
27	0.72	0.59	-	-	-	-	-	-	0.32	0.42	0.64	0.55
28	0.77	0.76	0.53	0.76	0.58	0.46	0.57	0.61	0.69	0.62	0.68	0.64
29	0.44	0.50	0.44	0.48	0.51	0.48	0.42	0.55	0.46	0.46	0.41	0.46
30	-	-	-	-	-	-	-	0.66	0.53	0.66	0.66	0.55
31	0.32	0.38	0.36	0.34	0.36	0.36	0.34	0.29	0.29	0.32	0.37	0.44
Promedio	0.77	0.75	0.77	0.80	0.77	0.73	0.63	0.63	0.68	0.65	0.65	0.60

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
0.86	0.78	0.78	0.73	0.51	0.40	0.38	0.46	0.46	0.42	0.38	0.44	0.59
0.64	0.69	0.72	0.66	0.58	0.52	0.44	0.50	0.57	0.68	0.75	0.88	0.68
0.73	0.72	0.55	0.66	0.63	0.58	0.61	0.64	0.68	0.96	0.79	1.13	0.76
0.70	0.62	0.54	0.57	0.61	0.57	0.51	0.58	0.69	0.97	0.97	0.98	0.73
0.50	0.47	0.50	0.48	0.60	0.52	0.54	0.55	0.47	0.47	0.66	0.68	0.64
0.44	0.49	0.57	0.65	0.36	1.09	–	–	–	–	–	–	0.58
0.36	0.32	0.42	0.40	0.40	0.38	0.32	0.46	0.44	0.35	0.34	0.42	0.38
0.58	0.50	0.59	0.58	0.58	0.52	0.46	0.58	0.61	0.52	0.56	0.61	0.52
0.72	0.80	0.72	0.69	0.80	0.71	0.47	0.47	0.40	0.45	0.43	0.43	0.67
0.78	0.68	0.68	0.62	0.48	0.84	–	–	–	–	–	–	0.67
0.58	0.60	0.63	0.63	0.46	0.38	0.54	0.87	–	–	–	–	0.66
0.55	0.58	0.48	0.40	0.61	–	–	–	–	–	–	–	0.62
0.48	0.48	0.46	0.59	0.50	0.50	0.40	0.42	0.38	0.34	0.47	0.32	0.43
0.54	0.49	0.57	0.53	0.60	0.43	0.40	0.54	0.58	0.55	0.52	0.58	0.48
0.84	1.00	0.86	0.80	0.76	0.94	0.55	0.63	0.69	0.94	0.84	0.97	0.72
0.63	0.74	1.12	0.90	1.10	0.97	1.00	1.19	1.20	1.22	1.22	1.35	0.99
0.64	0.71	0.61	0.61	0.46	0.35	0.43	0.46	0.44	0.52	0.77	0.79	0.79
0.89	0.82	0.76	0.86	0.68	0.48	0.47	0.44	0.42	0.46	0.47	0.72	0.78
0.80	0.76	0.86	0.76	0.72	0.70	0.64	0.69	0.68	0.46	0.32	0.52	0.66
0.38	0.38	0.44	0.42	0.48	0.56	0.55	0.47	0.45	0.48	0.46	0.36	0.72
0.35	0.44	0.40	0.36	0.26	0.37	0.30	0.40	0.33	0.38	0.56	0.59	0.46
1.02	0.96	0.88	0.86	0.90	1.08	1.16	1.24	1.17	1.08	1.11	1.25	0.97
0.90	0.90	0.85	0.85	0.95	1.16	0.96	1.30	1.22	1.14	1.26	1.26	1.13
1.02	0.76	0.84	0.76	0.59	0.69	0.62	0.64	0.58	0.42	0.44	0.62	0.88
1.04	1.02	1.20	1.18	1.16	0.88	0.84	0.87	0.76	1.00	1.14	1.27	0.88
0.76	0.82	0.82	0.76	0.72	0.82	0.76	0.66	0.63	0.62	0.57	0.71	0.97
0.53	0.51	0.66	0.61	0.65	0.63	0.56	0.34	0.36	0.46	0.55	0.71	0.57
0.54	0.66	0.70	0.50	0.45	0.43	0.47	0.45	0.42	0.44	0.45	0.50	0.60
0.42	0.41	0.44	0.38	–	–	–	–	–	–	–	–	0.46
0.60	0.78	1.12	0.88	0.72	0.64	0.52	0.39	0.47	0.38	0.44	0.34	0.61
0.48	0.50	0.42	0.47	0.51	0.40	0.52	0.42	0.34	0.30	0.40	0.35	0.38
0.65	0.66	0.68	0.65	0.63	0.64	0.57	0.62	0.59	0.62	0.65	0.72	0.69

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
0.69	0.51	0.56	0.56	0.38	0.40	0.40	0.56	0.50	0.37	0.37	0.44	0.48
0.58	0.62	0.60	0.53	0.48	0.42	0.36	0.44	0.46	0.54	0.72	0.79	0.58
0.64	0.60	0.50	0.46	0.55	0.42	0.46	0.50	0.69	0.80	0.95	0.95	0.66
0.60	0.53	0.42	0.53	0.53	0.50	0.42	0.53	0.64	0.84	0.89	1.00	0.64
0.46	0.46	0.46	0.42	0.52	0.44	0.42	0.42	0.30	0.36	0.56	0.58	0.54
0.40	0.44	0.53	0.64	0.50	1.34	–	–	–	–	–	–	0.54
0.27	0.30	0.29	0.28	0.30	0.33	0.22	0.28	0.33	0.22	0.28	0.34	0.29
0.60	0.56	0.55	0.56	0.53	0.48	0.44	0.51	0.55	0.55	0.48	0.57	0.49
0.69	0.78	0.70	0.62	0.71	0.56	0.37	0.37	0.36	0.36	0.32	0.34	0.62
0.79	0.64	0.62	0.62	0.52	1.50	–	–	–	–	–	–	0.65
0.62	0.58	0.62	0.60	0.46	0.44	0.52	1.04	–	–	–	–	0.63
0.46	0.53	0.53	0.52	0.65	–	–	–	–	–	–	–	0.60
0.46	0.46	0.46	0.52	0.50	0.46	0.36	0.39	0.39	0.36	0.44	0.34	0.42
0.48	0.53	0.48	0.48	0.52	0.40	0.42	0.48	0.60	0.55	0.51	0.55	0.46
0.96	1.06	0.84	0.80	0.78	0.89	0.53	0.64	0.70	1.04	0.78	0.89	0.72
0.26	1.01	0.48	0.60	1.10	1.00	0.91	1.04	1.18	1.04	1.21	1.28	0.95
0.60	0.62	0.55	0.53	0.36	0.33	0.40	0.40	0.37	0.38	0.53	0.60	0.66
0.80	0.76	0.66	0.72	0.55	0.40	0.40	0.40	0.42	0.42	0.44	0.48	0.66
0.74	0.73	0.76	0.72	0.53	0.55	0.55	0.58	0.54	0.54	0.38	0.64	0.59
0.39	0.18	0.25	0.20	0.33	0.32	0.36	0.34	0.34	0.30	0.34	0.26	0.70
0.44	0.42	0.40	0.32	0.34	0.40	0.29	0.39	0.32	0.40	0.55	0.48	0.40
0.96	0.99	0.77	0.82	0.82	1.08	1.06	1.11	1.06	1.00	0.98	1.24	0.91
1.12	1.00	0.92	0.96	1.08	1.45	1.18	1.30	1.36	1.30	1.38	1.51	1.16
1.06	0.76	0.86	0.68	0.62	0.66	0.66	0.55	0.53	0.44	0.40	0.66	0.88
1.21	1.12	1.26	1.15	1.08	0.74	0.71	0.76	0.74	0.98	1.12	1.29	0.88
0.96	1.05	1.00	0.94	0.86	0.80	0.69	0.64	0.46	0.46	0.44	0.57	1.03
0.58	0.60	0.64	0.60	0.62	0.64	0.50	0.32	0.39	0.52	0.55	0.73	0.55
0.53	0.64	0.64	0.44	0.42	0.37	0.44	0.44	0.41	0.41	0.46	0.48	0.56
0.44	0.41	0.41	0.36	0.34	0.32	–	–	–	–	–	–	0.44
0.66	0.89	1.04	0.78	0.70	0.53	0.46	0.40	0.46	0.37	0.41	0.32	0.59
0.50	0.46	0.37	0.41	0.46	0.42	0.50	0.44	0.34	0.29	0.37	0.36	0.38
0.64	0.65	0.62	0.59	0.58	0.62	0.52	0.56	0.56	0.57	0.61	0.68	0.65

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	174	260	260	260	260	260	260	174	260	434	608	521
2	174	174	260	260	260	174	174	174	260	260	260	347
3	434	521	434	434	434	434	434	347	347	521	347	347
4	521	434	434	434	434	434	347	347	434	521	434	347
5	608	521	521	434	434	347	260	260	260	174	174	174
6	347	260	260	260	260	260	174	260	260	260	174	174
7	174	174	174	174	174	174	174	174	174	174	174	174
8	174	260	260	260	174	260	260	174	174	174	260	260
9	260	260	260	260	260	260	260	434	782	1115	1115	868
10	260	347	260	260	434	347	347	347	521	782	707	707
11	260	260	174	174	174	260	260	260	260	260	174	174
12	260	260	260	260	260	260	260	260	260	260	260	260
13	260	260	174	174	174	174	174	260	260	260	260	174
14	174	174	174	174	174	174	174	174	174	174	174	260
15	260	347	260	260	260	260	260	174	260	260	260	347
16	707	521	608	707	608	521	608	608	521	691	608	434
17	707	707	782	868	707	608	347	434	652	707	707	707
18	434	521	434	521	521	521	521	608	707	868	782	782
19	260	174	174	521	260	347	260	347	347	707	782	782
20	260	782	868	782	782	782	782	707	782	521	347	174
21	347	260	260	260	260	260	260	260	260	390	477	260
22	347	347	521	312	312	260	347	521	844	955	707	949
23	707	782	782	868	608	608	434	1031	1195	1115	955	868
24	260	521	707	868	782	782	521	608	955	955	955	868
25	260	260	260	260	260	347	347	260	476	434	347	434
26	782	782	707	608	608	707	707	707	565	1115	1035	955
27	434	434	347	434	347	-	-	-	260	390	707	347
28	434	434	347	434	347	260	347	521	608	707	707	707
29	174	174	174	174	174	174	174	-	-	-	-	-
30	-	-	-	-	-	-	-	260	347	347	347	347
31	174	347	174	174	174	174	174	260	260	260	260	260
Promedio	354	385	377	396	347	360	333	378	449	526	503	467

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	75	75	150	226	226	226	150	150	376	226
2	150	150	75	75	75	150	150	150	150	226	226	312
3	526	526	451	451	451	376	451	376	376	526	376	312
4	526	451	376	376	376	376	312	312	312	451	376	376
5	602	602	526	451	376	312	312	312	312	260	312	312
6	226	226	226	226	226	226	226	226	226	226	226	226
7	150	150	150	150	150	150	150	150	226	150	150	150
8	226	226	226	226	226	226	150	150	226	312	312	312
9	226	312	226	312	312	226	312	451	826	1460	1460	976
10	150	150	150	226	226	226	226	226	376	976	905	905
11	312	226	226	226	226	312	226	312	226	312	312	226
12	312	312	312	226	312	312	312	312	226	226	312	226
13	226	226	150	150	150	150	226	150	150	226	226	226
14	150	150	150	150	150	150	150	150	226	226	226	226
15	312	312	312	226	226	226	226	226	226	226	376	526
16	828	676	752	828	526	526	751	676	752	1052	1420	1559
17	828	828	905	312	150	150	150	602	602	602	752	676
18	226	451	376	451	312	376	451	602	864	1188	1113	1120
19	150	150	226	376	150	150	226	150	312	826	976	976
20	150	752	1052	905	905	976	976	905	905	526	376	150
21	150	150	150	150	150	150	150	150	150	494	602	312
22	150	312	312	376	312	312	312	376	608	976	828	1148
23	676	752	752	828	602	312	414	226	948	1422	1595	1355
24	1120	976	905	828	828	752	526	226	376	905	1120	1460
25	376	376	312	451	312	312	226	312	312	451	376	376
26	526	676	602	676	676	676	602	526	526	827	1492	1520
27	226	150	-	-	-	-	-	226	339	829	376	376
28	451	312	226	376	312	226	226	376	826	905	1052	752
29	226	150	150	150	150	150	150	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
Promedio	354	373	370	366	322	311	315	324	420	606	652	618

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	608	608	434	260	260	260	174	174	174	174	174	322
347	434	434	347	347	260	260	260	347	521	521	521	307
434	434	434	347	434	347	347	347	347	434	521	521	416
347	347	260	347	347	260	260	347	434	521	521	521	401
174	86	174	174	260	260	260	260	260	347	260	347	293
260	260	260	260	260	260	174	174	174	174	174	260	234
174	174	174	174	174	174	174	174	174	174	174	174	174
174	174	174	174	260	260	260	260	347	260	260	260	231
825	707	707	608	565	347	260	174	174	174	174	260	463
707	608	434	347	347	347	347	347	347	347	347	347	425
174	174	174	174	260	347	260	260	260	260	260	260	231
260	260	260	260	260	260	260	260	260	260	260	260	260
174	260	174	260	174	174	174	260	260	260	174	174	213
260	260	347	347	260	260	260	260	260	260	260	260	228
347	608	608	608	608	608	434	521	521	782	707	782	431
882	434	782	521	608	608	608	608	608	608	707	707	618
434	521	434	347	260	174	174	260	260	260	434	434	497
782	608	608	608	521	260	260	260	174	174	260	260	500
707	707	434	347	434	434	347	347	347	347	347	260	417
174	347	260	260	260	260	260	260	347	347	260	260	453
260	260	260	260	174	174	174	174	174	174	174	260	253
1115	1194	1035	868	608	608	707	707	608	608	608	707	658
868	782	782	782	782	955	608	868	521	347	434	347	751
955	955	782	521	174	260	260	260	174	174	174	260	572
707	782	955	955	782	608	608	608	608	608	707	707	524
955	868	868	782	707	521	347	260	260	260	434	434	666
347	434	521	521	434	347	260	174	260	260	347	434	383
707	608	707	347	260	174	174	174	174	174	174	174	404
–	–	–	–	–	–	–	–	–	–	–	–	174
347	691	992	707	608	347	260	260	174	174	174	174	386
260	260	260	260	260	260	260	174	260	260	260	174	235
495	495	497	432	390	347	310	316	310	324	347	357	396

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
376	376	376	226	226	226	226	226	226	150	150	150	207
376	376	312	312	226	226	226	226	312	526	526	526	252
376	451	451	312	376	226	312	312	312	451	526	602	413
312	312	312	376	376	226	226	312	312	451	602	602	377
312	226	226	226	226	226	226	226	226	226	226	226	312
226	226	226	150	150	226	226	150	150	150	150	150	204
226	226	226	226	226	226	150	150	226	226	150	150	178
312	312	312	312	226	226	226	312	312	312	312	312	263
976	752	676	602	312	226	150	150	226	150	150	150	484
905	752	451	312	312	312	312	312	312	376	312	312	405
226	312	312	312	312	312	226	226	226	312	312	312	273
226	312	226	226	226	226	226	226	226	226	226	226	258
226	226	226	226	312	226	226	150	150	150	226	150	198
226	226	226	312	226	226	226	226	226	75	312	226	202
676	752	676	602	676	602	376	451	545	976	752	828	472
1320	150	231	526	526	602	602	602	676	676	676	752	737
526	451	376	312	150	226	150	226	150	226	226	451	418
976	676	526	376	312	226	150	150	150	150	150	150	480
828	905	526	451	312	150	312	226	312	312	312	150	394
150	226	150	150	150	75	75	150	150	150	150	150	429
376	312	312	226	226	226	150	150	150	150	226	312	232
1390	1320	1460	1120	976	526	676	602	602	526	451	451	672
1120	1052	976	976	976	905	1052	676	828	976	1052	976	894
1188	1320	1250	1052	564	226	226	226	150	150	150	150	695
526	676	752	905	905	828	451	376	312	312	312	376	455
1120	1390	1390	1250	1052	828	451	226	269	226	226	226	749
376	526	676	602	526	451	312	226	226	312	312	451	396
828	752	676	390	260	150	226	226	226	226	226	150	432
–	–	–	–	–	–	–	–	–	–	–	–	161
–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	1188	1052	1120	1052	752	676	676	676	602	866
596	557	519	492	427	361	326	292	306	339	347	354	414

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	13430	7180	8950	6295	8060	11690	15250	17050	20700	9860	8060	6295
2	12590	14350	17050	17050	15250	16130	15250	16130	13430	8950	6295	7180
3	898	1795	1795	1795	1795	1795	1795	4490	3585	3585	3585	3585
4	1795	2690	2690	1795	2690	3585	5380	6295	4490	5380	4490	3585
5	2690	2690	2690	3585	3585	4490	4490	5380	6295	8060	4490	4490
6	2690	4490	4490	3585	4490	5380	5380	6295	5380	5380	5380	5380
7	4490	7180	7180	8060	5380	8950	10770	11690	24200	24200	23360	21520
8	12590	6295	6295	7180	8950	6295	6295	5380	5380	5380	5380	4490
9	4490	5380	4490	4490	5380	5380	2690	2690	2690	3585	4490	7180
10	11690	11690	11690	11690	9860	7180	8060	13430	9860	8060	9860	8060
11	3585	4490	8060	8950	8060	5380	5380	5380	4490	5380	4490	5380
12	4490	4490	6295	6295	6295	5380	6295	6295	6295	13430	8950	8060
13	11690	8060	10770	13430	20700	20700	21520	21520	18870	17050	13430	17950
14	10770	8950	11690	17050	22400	23360	15250	17050	18870	23360	12590	10770
15	5380	6295	6295	5380	5380	8950	8060	7180	8060	5380	4490	3585
16	5380	6295	5380	2690	3585	4490	4490	15250	3585	4490	12590	8950
17	20350	4490	9860	2690	9860	8060	5380	7180	-	6295	8060	8950
18	898	4490	4490	-	7180	5380	3585	4490	4490	28730	8060	13430
19	8060	20700	35900	6295	16130	8950	15250	7180	5380	6295	21520	8060
20	17050	3585	8060	12590	8060	898	9860	4490	22400	4490	17050	16130
21	-	-	11690	14350	-	13430	-	898	35900	-	18870	-
22	4490	-	-	-	6295	-	3585	-	4490	1795	1795	3585
23	898	15250	-	-	11690	5380	2690	-	4490	2690	6295	14350
24	898	898	1795	898	898	2690	1795	5380	2690	8950	3585	-
25	-	3585	4490	-	9860	15250	5380	7180	5380	4490	2690	1795
26	898	898	11690	898	-	-	-	-	11690	2690	4490	4490
27	6295	-	-	-	-	-	-	-	15250	21520	11690	9860
28	17050	6295	10770	8060	4490	6295	6295	4490	7180	6295	5380	-
29	15250	9860	3585	9860	11690	15250	11690	16130	11690	8950	8950	8060
30	2690	8950	2690	8060	1795	1795	2690	6295	5380	5380	5380	7180
31	17050	18870	20700	22400	23360	25150	26000	26000	27800	23360	13430	14350
Promedio	7604	7150	8626	7901	8684	8845	8234	9304	10680	9449	8683	8454

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	12590	8060	6295	9860	14350	14350	22400	13430	6295	7180	6295
2	13430	16130	20700	17050	14350	15250	16130	20350	10770	9860	7180	6295
3	2690	2690	1795	1795	3585	2690	2690	4490	3585	3585	3585	6295
4	2690	3585	2690	2690	2690	8060	5380	8060	5380	6295	4490	3585
5	2690	3585	3585	4490	4490	5380	5380	6295	6295	8060	5380	4490
6	4490	4490	5380	5380	5380	5380	6295	6295	7180	7180	6295	6295
7	6295	9860	8060	7180	6295	7180	11690	16130	25150	24200	22400	16130
8	8950	7180	7180	8060	8950	7180	7180	7180	7180	5380	6295	6295
9	6295	5380	9860	7180	6295	5380	3585	3585	3585	5380	7180	8950
10	13430	13430	13430	16130	7180	9860	10770	13430	8060	9860	10770	8950
11	5380	7180	9860	9860	8060	6295	5380	5380	5380	6295	5380	8060
12	5380	5380	6295	6295	7180	8060	7180	8060	8950	9860	9860	9860
13	9860	9860	11690	17050	22400	23360	21520	22400	17950	15250	15250	13430
14	9860	10770	14,50	21520	22400	20700	16130	22400	23360	23360	13430	10770
15	6295	6295	6295	6295	8060	13430	9860	8060	8060	6295	4490	6295
16	6295	8060	5380	3585	4490	6295	4490	5380	5380	6295	7180	6295
17	2690	3585	3585	3585	3585	4490	7180	7180	5380	8060	9860	8950
18	6295	4490	4490	5380	5380	5380	6295	5380	4490	6295	6295	6295
19	8060	13430	10770	5380	10770	8060	8060	6295	6295	5380	6295	6295
20	8060	2690	2690	3585	3585	4490	4490	4490	6295	8950	13430	17950
21	9860	11690	14350	9860	13430	9860	13430	18870	22400	-	11690	13430
22	4490	3585	3585	3585	3585	4490	2690	2690	1795	3585	4490	4490
23	2690	1795	4490	1795	3585	4490	6295	3585	3585	3585	4490	5380
24	2690	1795	1795	1795	1795	1795	6295	6295	7180	7180	3585	6295
25	3585	5380	3585	3585	3585	3585	3585	5380	5380	4490	2690	1795
26	1795	1795	1795	1795	1795	1795	3585	-	5380	2690	5380	5380
27	8060	7180	5380	6295	7180	9860	9860	15250	17050	8950	9860	13430
28	5380	6295	7180	5380	7180	8060	9860	8060	6295	6295	6295	8950
29	9860	11690	11690	11690	11690	10770	16130	17050	10770	8950	12590	8060
30	1795	2690	2690	2690	2690	3585	4490	6295	6295	6295	7180	8950
31	20700	21520	26000	26000	27800	26900	26900	27800	28730	20350	12590	17050
Promedio	6800	7293	7700	7524	8042	8595	8940	10484	9581	8484	8163	8419

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	6295	5380	5380	8060	12590	18870	24200	26000	20350	17950	14350	12364
4490	3585	2690	4490	6295	9860	9860	8950	4490	2690	1795	1795	9194
2690	2690	4490	6295	6295	6295	6295	3585	3585	1795	1795	1795	3254
3585	3585	7180	4490	4490	7180	8950	6295	3585	2690	2690	2690	4261
3585	4490	4490	4490	5380	13430	5380	8060	8950	4490	4490	4490	5194
4490	4490	4490	4490	5380	6295	10770	20350	12590	6295	6295	6295	6273
13430	14350	15250	13430	15250	15250	20700	20700	16130	16130	15250	11690	14356
3585	6295	6295	5380	6295	8950	8060	4490	4490	4490	4490	6295	6209
7180	8060	7180	8060	7180	9860	17050	15250	22400	15250	15250	14350	8334
7180	8060	5380	4490	5380	7180	8060	5380	6295	3585	2690	2690	7812
5380	9860	7180	8060	6295	6295	11690	9860	8060	6295	7180	5380	6690
6295	8060	8060	7180	12590	10770	17050	18870	17050	20700	13430	14350	9874
11690	12590	12590	12590	5380	8950	10770	15250	22400	11690	10770	15250	14400
8950	8060	8060	8950	13430	13430	20350	8950	5380	7180	6295	4490	12735
2690	3585	4490	5380	6295	4490	8060	7180	8060	5380	5380	4490	5830
4490	9860	17050	7180	12590	2690	8950	2690	2690	2690	2690	2690	6393
11690	23360	8950	8060	11690	17050	18870	12590	11690	11690	3585	-	10473
7180	8060	-	3585	15250	17950	23360	-	8060	16130	13430	9860	9909
14350	4490	14350	4490	8060	6295	16130	2690	16130	25150	26000	898	12448
13430	20700	16130	3585	-	8950	1795	9860	-	13430	15250	-	10847
-	20700	17050	-	12590	-	7180	22400	16130	1795	5380	3585	13463
17050	23360	4490	2690	10770	2690	13430	-	2690	898	5380	898	6132
-	6295	8060	11690	3585	20700	8060	898	-	6295	898	-	7234
8950	4490	3585	-	8950	7180	8060	18870	9860	8060	23360	23360	7055
8950	898	-	2690	15250	4490	11690	4490	4490	3585	1795	898	5682
3585	2690	2690	5380	3585	4490	21520	14350	8060	15250	9860	8060	6863
18870	9860	9860	8060	7180	25150	13430	35000	18870	26900	9860	-	15478
4490	20350	10770	25150	12590	29600	20350	12590	24200	12590	9860	9860	11956
-	13430	7180	10770	20350	13430	13430	13430	13430	-	5380	18870	11848
8060	5380	3585	6295	6295	12590	15250	17050	18870	25150	17050	15250	8713
8950	7180	12590	13430	11690	15250	15250	16130	12590	11690	9860	7180	16678
7848	9199	8260	7456	9147	10978	12860	12428	11628	10344	8883	7845	9220

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
9860	6295	6295	6295	15250	14350	26000	27800	25150	17050	17050	13430	13196
5380	4490	3585	6295	8060	10770	9860	8060	4490	2690	3585	1795	9856
3585	4490	5380	5380	4490	7180	6295	4490	3585	1795	1795	2690	3776
4490	8060	8060	5380	6295	8060	8950	6295	3585	2690	2690	2690	5118
4490	7180	5380	6295	5380	8060	6295	6295	8060	7180	6295	4490	5647
5380	6295	5380	5380	13430	13430	17050	20700	7180	7180	8060	8060	7815
14350	13430	14350	15250	15250	17050	23360	21520	17050	17050	15250	12590	14878
4490	8060	6295	9860	8060	13430	8060	5380	5380	5380	8060	7180	7360
8950	8060	8950	8060	8950	14350	18870	20350	20700	18870	17950	15250	10082
7180	6295	6295	6295	6295	8060	6295	6295	6295	3585	3585	3585	8557
8060	10770	8950	8950	7180	11690	9860	8950	8060	7180	7180	4490	7660
8060	8950	9860	5380	13430	14350	17050	21520	20350	17050	14350	15250	10748
12590	13430	11690	8060	7180	14350	9860	18870	17050	13430	13430	13430	14724
8950	9860	8950	11690	13430	17050	14350	7180	9860	8060	6295	6295	13792
8060	5380	5380	6295	6295	7180	9860	8950	8060	6295	7180	5380	7252
4490	8060	3585	3585	3585	4490	3585	3585	3585	4490	3585	3585	4972
10770	10770	9860	11690	15250	18870	17050	10770	11690	9860	7180	6295	8674
8060	7180	8060	7180	9860	15250	17050	15250	17050	15250	11690	8950	8637
5380	5380	4490	4490	6295	7180	6295	6295	8060	8060	6295	7180	7104
14350	13430	13430	9860	15250	8950	9860	9860	10770	9860	9860	10770	9040
10770	16130	17050	12590	12590	13430	17950	20350	16130	13430	8060	5380	13597
3585	3585	4490	4490	4490	2690	3585	2690	2690	2690	2690	1795	3439
5380	4490	5380	5380	3585	2690	5380	1795	1795	1795	1795	1795	3626
3585	5380	3585	3585	7180	7180	8950	7180	9860	8950	8950	2690	5232
1795	1795	1795	1795	3585	3585	4490	4490	4490	3585	1795	1795	3401
4490	4490	3585	5380	4490	6295	9860	10770	8950	13430	8060	8060	5263
13430	12590	9860	8950	9860	11690	17950	22400	15250	12590	8060	5380	11098
8060	7180	8950	9860	15250	17050	14350	11690	14350	11690	10770	10770	9383
10770	11690	10770	14350	13430	15250	13430	14350	12590	5380	4490	2690	11255
8060	3585	3585	4490	8950	13430	17050	17050	20700	25150	13430	17050	8674
7180	-	20350	14350	12590	30580	17050	14350	12590	9860	11690	7180	19135
7549	7893	7859	7642	9200	11547	12126	11791	10820	9405	8102	6902	8791

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	5.8	7.2	7.2	8.7	7.2	8.7	5.8	10.1	8.7	2.9	2.9	7.2	7.2
2	7.2	8.7	7.2	8.7	5.8	7.2	7.2	10.1	5.8	5.8	5.8	5.8	7.2
3	11.6	11.6	10.1	8.7	10.1	5.8	5.8	7.2	5.8	7.2	4.3	7.2	7.2
4	10.1	8.7	10.1	8.7	7.2	4.3	5.8	2.9	4.3	5.8	1.4	1.4	5.8
5	5.8	5.8	5.8	5.8	8.7	5.8	4.3	4.3	4.3	7.2	4.3	8.7	5.8
6	5.8	5.8	7.2	5.8	7.2	4.3	5.8	4.3	2.9	2.9	1.4	7.2	2.9
7	-	-	-	-	-	-	-	-	-	-	-	7.2	4.3
8	7.2	7.2	5.8	7.2	8.7	8.7	5.8	8.7	7.2	4.3	4.3	5.8	4.3
9	4.3	10.1	7.2	5.8	5.8	7.2	8.7	10.1	4.3	-	-	-	8.7
10	8.7	8.7	8.7	10.1	10.1	10.1	7.2	10.1	5.8	4.3	1.4	5.8	7.2
11	10.1	5.8	10.1	11.6	11.6	10.1	13.0	13.0	10.1	4.3	1.4	1.4	1.4
12	2.9	17.3	8.7	11.6	14.4	14.4	10.1	10.1	8.7	14.4	7.2	5.8	10.1
13	15.9	14.4	13.0	13.0	18.8	15.9	14.4	-	-	-	-	-	-
14	13.0	5.8	10.1	8.7	10.1	8.7	11.6	14.4	17.3	20.2	11.6	7.2	7.2
15	7.2	8.7	7.2	7.2	7.2	7.2	7.2	7.2	11.6	13.0	7.2	10.1	7.2
16	10.1	8.7	10.1	7.2	10.1	8.7	7.2	-	-	-	-	-	-
17	5.8	4.3	4.3	5.8	4.3	4.3	2.9	1.7	4.3	2.9	1.4	1.4	1.4
18	4.3	2.9	2.9	4.3	5.8	4.3	5.8	2.9	1.4	4.3	2.9	5.8	2.9
19	5.8	5.8	5.8	7.2	11.6	5.8	1.4	- 1.7	- 1.7	1.4	1.4	2.9	4.3
20	4.3	2.9	5.8	5.8	10.1	4.3	2.9	-	-	-	-	-	-
21	8.7	7.2	7.2	8.7	8.7	5.8	2.9	5.8	4.3	8.7	1.4	2.9	7.2
22	7.2	5.8	11.6	11.6	14.4	10.1	10.1	8.7	2.9	1.4	2.9	4.3	7.2
23	2.9	-	-	-	-	-	-	-	5.8	7.2	2.9	7.2	5.8
24	7.2	15.9	8.7	8.7	10.1	5.8	8.7	10.1	5.8	10.1	5.8	5.8	- 1.7
25	8.7	5.8	11.6	5.8	10.1	10.1	7.2	5.8	10.1	8.7	4.3	5.8	7.2
26	11.6	5.8	8.7	7.2	11.6	8.7	10.1	11.6	10.1	10.1	5.8	10.1	8.7
27	10.1	13.0	11.6	7.2	8.7	14.4	13.0	5.8	14.4	11.6	4.3	7.2	2.9
28	14.4	4.3	8.7	8.7	10.1	8.7	14.4	8.7	10.1	11.6	8.7	4.3	7.2
29	10.1	8.7	8.7	2.9	7.2	5.8	14.4	11.6	8.7	2.9	4.3	7.2	8.7
30	15.9	8.7	10.1	10.1	2.9	5.8	11.6	18.8	18.8	18.8	17.3	10.1	14.4
31	10.1	11.6	14.4	11.6	10.1	8.7	10.1	14.4	11.6	8.7	4.3	8.7	17.3
Prom	8.4	8.2	8.6	8.1	9.3	7.9	8.1	8.2	7.5	7.7	4.6	6.1	6.4
Var.	1.9	1.7	2.1	1.6	2.8	1.4	1.6	1.7	1.0	1.2	- 1.9	- 0.4	- 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	-33.7	-31.0	-31.0	-35.0	-40.4	-36.4	-39.1	-32.3	-36.4	-39.1	-40.4	-37.7	-43.1
2	-36.4	-31.0	-33.7	-39.1	-39.1	-35.0	-37.7	-35.0	-39.1	-36.4	-37.7	-40.4	-35.0
3	-33.7	-28.3	-31.0	-32.3	-36.4	-36.4	-36.4	-35.0	-28.3	-29.6	-31.0	-31.0	-29.6
4	-33.7	-33.7	-32.3	-37.7	-41.8	-40.4	-39.1	-37.7	-39.6	-33.7	-33.7	-32.3	-37.7
5	-32.3	-29.6	-29.6	-35.0	-40.4	-41.8	-41.8	-36.4	-36.4	-37.7	-37.7	-36.4	-37.7
6	-32.3	-29.6	-33.7	-36.4	-43.1	-40.4	-37.7	-35.0	-35.0	-37.7	-36.4	-37.7	-39.1
7	-33.7	-33.7	-32.3	-39.1	-41.8	-44.4	-41.8	-37.7	-39.1	-37.7	-35.0	-33.7	-39.1
8	-33.7	-31.0	-32.3	-41.8	-40.4	-44.4	-43.1	-37.7	-40.4	-41.8	-37.7	-39.1	-43.1
9	-32.3	-28.3	-29.6	-37.7	-36.4	-36.4	-36.4	-35.0	-35.0	-40.4	-37.7	-40.4	-39.1
10	-32.3	-31.0	-31.0	-39.1	-43.1	-43.1	-43.1	-39.1	-36.4	-40.4	-40.4	-39.1	-40.4
11	-33.7	-31.0	-32.3	-37.7	-44.4	-43.1	-43.1	-39.1	-37.7	-39.1	-37.7	-37.7	-36.4
12	-31.0	-32.3	-29.6	-39.1	-43.1	-43.1	-39.1	-35.0	-37.7	-32.3	-36.4	-31.0	-35.0
13	-29.6	-29.6	-28.3	-35.0	-36.4	-37.7	-33.7	-	-	-	-	-	-
14	-31.0	-28.3	-28.3	-36.4	-36.4	-39.1	-37.7	-35.0	-35.0	-32.3	-35.0	-35.0	-36.4
15	-29.6	-28.3	-28.3	-32.3	-40.4	-40.4	-39.1	-33.7	-36.4	-36.4	-36.4	-32.3	-35.0
16	-35.0	-32.3	-31.0	-37.7	-35.0	-39.1	-37.7	-	-	-	-	-	-
17	-33.7	-29.6	-32.3	-39.1	-41.8	-41.8	-41.8	-41.8	-43.1	-40.4	-41.8	-41.8	-43.1
18	-36.4	-33.7	-39.1	-40.4	-45.8	-45.8	-44.4	-39.1	-44.4	-40.4	-43.1	-41.8	-41.8
19	-36.4	-33.7	-33.7	-41.8	-43.1	-44.4	-44.4	-43.1	-41.8	-43.1	-41.8	-39.1	-41.8
20	-39.1	-35.0	-36.4	-43.1	-45.8	-47.1	-45.8	-	-	-	-	-	-
21	-37.7	-33.7	-35.0	-40.4	-47.1	-41.8	-41.8	-41.8	-37.7	-39.1	-40.4	-37.7	-37.7
22	-39.1	-25.6	-26.9	-37.7	-44.4	-40.4	-40.4	-36.4	-39.1	-36.4	-40.4	-43.1	-41.8
23	-36.4	-	-	-	-	-	-	-	-41.8	-40.4	-40.4	-39.1	-40.4
24	-41.8	-37.7	-36.4	-37.7	-43.1	-41.8	-39.1	-37.7	-37.7	-36.4	-40.4	-37.7	-34.4
25	-36.4	-33.7	-33.7	-36.4	-40.4	-41.8	-40.4	-35.0	-35.0	-36.4	-33.7	-36.4	-32.3
26	-36.4	-32.3	-32.3	-40.4	-41.8	-41.8	-41.8	-39.1	-35.0	-33.7	-33.7	-35.0	-35.0
27	-33.7	-33.7	-32.3	-37.7	-40.4	-37.7	-37.7	-36.4	-35.0	-31.0	-36.4	-33.7	-32.3
28	-33.7	-31.0	-29.6	-36.4	-39.1	-35.0	-36.4	-32.3	-35.0	-29.6	-32.3	-32.3	-35.0
29	-32.3	-29.6	-25.6	-33.7	-35.0	-36.4	-40.4	-32.3	-32.3	-36.4	-35.0	-36.4	-37.7
30	-29.6	-29.6	-28.3	-35.0	-36.4	-35.0	-32.3	-29.6	-29.6	-29.6	-31.0	-32.3	-32.3
31	-32.3	-29.6	-28.3	-32.3	-36.4	-37.7	-37.7	-33.7	-31.0	-28.3	-32.3	-32.3	-36.4
Prom	-34.2	-31.2	-31.5	-37.4	-40.6	-40.3	-39.7	-36.4	-36.5	-36.3	-37.0	-36.5	-37.4
Var.	3.2	6.2	5.9	0.0	- 3.2	- 2.9	- 2.3	1.0	0.9	1.1	0.4	0.9	0.0

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
- 1.7	5.8	2.9	1.4	1.4	2.9	2.9	7.2	11.6	8.7	8.7	5.9	1
8.7	5.8	2.9	4.3	2.9	4.3	1.4	4.3	4.3	8.7	10.1	6.3	1
8.7	7.2	4.3	5.8	5.8	7.2	5.8	4.3	5.8	4.3	8.7	7.1	1
5.8	2.9	4.3	- 1.7	2.9	4.3	1.4	1.4	4.3	2.9	5.8	4.6	0
10.1	7.2	4.3	- 3.4	5.8	5.8	5.8	4.3	5.8	4.3	5.8	5.5	1
4.3	8.7	8.7	2.9	- 1.7	1.4	2.9	2.9	-	-	-	4.5	1
5.8	4.3	8.7	4.3	2.9	8.7	4.3	8.7	7.2	7.2	8.7	6.3	1
4.3	4.3	7.2	2.9	1.4	4.3	1.4	1.4	7.2	1.4	7.2	5.3	1
7.2	8.7	4.3	2.9	4.3	7.2	7.2	5.8	10.1	8.7	13.0	7.2	1
8.7	2.9	2.9	- 3.4	1.4	7.2	2.9	2.9	7.2	4.3	8.7	6.0	1
5.8	7.2	4.3	2.9	2.9	2.9	7.2	2.9	2.9	2.9	4.3	6.2	0
4.3	4.3	2.9	2.9	8.7	7.2	1.4	- 1.7	8.7	8.7	13.0	8.2	2
-	-	7.2	- 1.7	2.9	5.8	5.8	4.3	11.6	8.7	10.1	10.0	1
5.8	4.3	10.1	4.3	4.3	7.2	5.8	4.3	7.2	5.8	5.8	8.8	1
7.2	2.9	1.4	1.4	2.9	5.8	7.2	2.9	10.1	8.7	10.1	7.0	1
-	2.9	1.4	1.4	1.4	1.4	1.4	- 1.7	4.3	5.8	4.3	5.0	2
1.4	4.3	2.9	- 3.4	- 6.7	- 3.4	1.4	- 1.7	5.8	2.9	4.3	2.0	1
5.8	2.9	2.9	1.4	1.4	2.9	1.4	1.4	4.3	5.8	5.8	3.6	0
7.2	7.2	2.9	1.5	- 1.7	1.4	- 1.7	2.9	2.9	2.9	4.3	3.3	1
-	7.2	5.8	4.3	2.9	5.8	2.9	5.8	5.8	5.8	5.8	5.2	0
8.7	4.3	2.9	1.4	1.4	4.3	2.9	1.4	2.9	8.7	8.7	5.3	1
4.3	2.9	2.9	- 1.7	1.4	2.9	2.9	2.9	2.9	- 1.7	1.4	5.0	0
5.8	4.3	5.8	1.4	2.9	- 1.7	- 1.7	1.4	10.1	5.8	- 3.4	3.7	2
5.8	5.8	1.4	1.4	7.2	2.9	5.8	1.4	7.2	5.8	14.4	6.7	2
10.1	2.9	4.3	4.3	5.8	7.2	8.7	2.9	5.8	2.9	4.3	6.7	1
14.4	5.8	4.3	1.4	2.9	13.0	8.7	10.1	8.7	7.2	11.6	8.7	2
13.0	7.2	5.8	7.2	8.7	5.8	8.7	4.3	11.6	8.7	4.3	8.7	2
10.1	8.7	5.8	4.3	5.8	7.2	14.4	8.7	8.7	7.2	13.0	8.9	1
5.8	8.7	4.3	- 1.7	8.7	13.0	8.7	5.8	17.3	2.9	8.7	7.6	2
14.4	8.7	2.9	7.2	5.8	8.7	7.2	8.7	5.8	11.6	10.1	10.6	2
10.1	5.8	5.8	4.3	5.8	5.8	11.6	11.6	10.1	10.1	13.0	9.8	0
7.2	5.5	4.5	2.0	3.3	5.1	4.7	3.9	7.3	5.9	7.7	6.5	
0.7	- 1.0	- 2.0	- 4.5	- 3.2	- 1.4	- 1.8	- 2.6	0.8	- 0.6	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
-43.1	-40.4	-41.8	-39.1	-43.1	-40.4	-43.1	-41.8	-36.4	-36.4	-33.7	-38.1	1
-37.7	-37.7	-37.7	-41.8	-41.8	-43.1	-45.8	-45.8	-44.4	-41.8	-33.7	-38.6	0
-36.4	-32.3	-36.4	-39.1	-35.0	-36.4	-39.1	-36.4	-36.4	-39.1	-35.0	-34.2	0
-37.7	-40.4	-37.7	-37.7	-41.8	-41.8	-41.8	-41.8	-37.7	-40.4	-33.7	-37.3	1
-37.7	-32.3	-37.7	-36.4	-35.0	-36.4	-41.8	-36.4	-37.7	-36.4	-32.3	-36.4	0
-33.7	-35.0	-35.0	-35.0	-39.1	-39.1	-37.7	-39.1	-37.7	-40.4	-36.4	-36.8	0
-37.7	-37.7	-35.0	-40.4	-43.1	-40.4	-44.4	-40.4	-39.1	-40.4	-36.4	-38.5	0
-43.1	-40.4	-37.7	-41.8	-41.8	-36.4	-39.1	-36.4	-35.0	-36.4	-35.0	-38.7	1
-37.7	-36.4	-37.7	-36.4	-39.1	-43.1	-44.4	-45.8	-40.4	-40.4	-33.7	-37.5	1
-40.4	-36.4	-39.1	-40.4	-40.4	-36.4	-43.1	-40.4	-39.1	-36.4	-36.4	-38.6	0
-36.4	-35.0	-36.4	-39.1	-39.1	-41.8	-44.4	-41.8	-36.4	-35.0	-33.7	-38.0	0
-31.0	-35.0	-35.0	-32.3	-40.4	-36.4	-37.7	-33.7	-33.7	-35.0	-32.3	-35.3	0
-	-	-35.0	-35.0	-36.4	-40.4	-40.4	-39.1	-36.4	-33.7	-33.7	-35.0	1
-36.4	-33.7	-35.0	-35.0	-36.4	-36.4	-35.0	-39.1	-36.4	-33.7	-33.7	-34.9	1
-35.0	-35.0	-40.4	-37.7	-39.1	-41.8	-41.8	-40.4	-39.1	-40.4	-36.4	-36.5	1
-	-36.4	-31.0	-36.4	-32.3	-37.7	-41.8	-43.1	-39.1	-37.7	-36.4	-36.4	2
-43.1	-37.7	-41.8	-41.8	-45.8	-44.4	-48.5	-44.4	-39.1	-41.8	-39.1	-40.8	1
-40.4	-41.8	-40.4	-41.8	-41.8	-44.4	-45.8	-43.1	-40.4	-40.4	-37.7	-41.4	0
-44.4	-41.8	-43.1	-43.1	-43.1	-47.1	-47.1	-47.1	-43.1	-43.1	-40.4	-42.2	0
-	-41.8	-40.4	-41.8	-41.8	-43.1	-45.8	-44.4	-43.1	-43.1	-40.4	-42.2	1
-41.8	-40.4	-41.8	-41.8	-43.1	-41.8	-41.8	-40.4	-43.1	-40.4	-37.7	-40.3	2
-44.4	-41.8	-41.8	-43.1	-45.8	-43.1	-45.8	-44.4	-39.1	-40.4	-39.1	-40.0	1
-37.7	-39.1	-40.4	-41.8	-43.1	-43.1	-43.1	-45.8	-44.4	-44.4	-37.7	-41.1	2
-43.1	-35.5	-35.5	-40.4	-41.8	-41.8	-44.4	-40.4	-36.4	-36.4	-35.0	-38.9	1
-32.3	-35.0	-36.4	-40.4	-37.7	-36.4	-40.4	-41.8	-36.4	-37.7	-35.0	-36.7	1
-33.7	-33.7	-36.4	-33.7	-33.7	-33.7	-41.8	-39.1	-33.7	-36.4	-33.7	-36.2	1
-32.3	-32.3	-35.0	-35.0	-33.7	-36.4	-39.1	-36.4	-37.7	-37.7	-33.7	-35.3	1
-36.4	-32.3	-32.3	-33.3	-35.0	-39.1	-33.7	-33.7	-29.6	-33.7	-32.3	-33.7	1
-33.7	-32.3	-35.0	-35.0	-35.0	-37.7	-35.0	-33.7	-36.4	-33.7	-32.3	-34.3	1
-31.0	-33.7	-32.3	-32.3	-35.0	-40.4	-41.8	-37.7	-36.4	-39.1	-36.4	-33.6	1
-35.0	-33.7	-32.3	-35.0	-35.0	-36.4	-37.7	-39.1	-36.4	-36.4	-33.7	-34.1	1
-37.6	-36.6	-37.2	-38.2	-39.2	-39.0	-41.8	-40.4	-38.1	-38.3	-35.4	-37.4	
- 0.2	0.8	0.2	- 0.8	- 1.8	- 1.6	- 4.4	- 3.0	- 0.7	- 0.9	2.0		

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	66.6	66.6	66.5	66.6	66.9	67.0	67.3	67.2	67.1	67.3	67.1	66.6	66.0	65.8	65.7
2	67.2	67.0	66.9	66.7	66.7	66.8	67.2	67.6	67.8	67.9	67.8	67.1	66.6	65.8	65.6
3	66.4	66.2	66.2	66.0	66.1	66.2	66.3	66.4	66.4	66.2	65.9	65.6	65.0	64.2	64.1
4	65.3	64.9	64.6	64.7	64.7	64.5	64.7	65.0	65.1	65.0	64.7	64.0	63.1	62.2	61.8
5	59.2	59.1	58.7	58.2	57.7	57.4	57.6	58.2	57.5	56.6	56.6	55.6	55.2	54.4	53.6
6	56.0	56.0	55.9	55.6	55.0	55.4	55.6	56.6	56.8	56.8	56.5	56.3	55.6	55.6	55.6
7	59.8	60.3	60.3	60.4	60.4	60.6	61.3	61.7	61.7	61.7	61.6	61.3	60.4	59.7	59.4
8	57.4	57.1	56.8	56.2	56.1	56.2	56.2	56.2	55.6	55.6	55.5	54.4	52.7	52.2	51.7
9	52.4	53.4	52.4	53.1	54.4	56.5	58.0	59.5	60.4	61.6	62.2	62.0	61.4	60.9	60.8
10	62.3	61.4	61.4	61.2	61.0	60.9	60.5	60.5	60.2	59.7	59.1	58.1	56.9	55.8	55.4
11	56.3	56.4	56.4	56.2	56.3	56.4	56.8	57.3	57.5	57.4	57.4	56.8	56.2	55.8	55.3
12	56.2	55.9	55.8	55.9	55.9	55.9	56.0	57.0	57.2	57.5	57.5	57.3	56.6	56.4	56.4
13	59.1	58.8	58.6	58.5	58.5	58.6	58.8	58.8	59.1	59.0	58.9	58.3	57.8	57.6	57.7
14	60.0	59.5	59.5	59.4	59.4	59.4	59.5	59.6	59.1	58.8	58.2	57.3	56.3	55.6	55.1
15	54.6	55.3	55.4	55.4	55.5	56.4	57.5	58.4	59.1	59.4	59.5	59.3	59.1	58.8	58.5
16	58.6	58.3	58.1	57.2	56.9	57.0	56.2	57.4	58.2	57.2	57.5	57.9	54.9	55.9	56.6
17	62.4	63.4	63.8	63.8	64.5	64.7	65.0	66.0	66.1	66.1	65.5	65.0	64.1	63.5	63.5
18	62.4	61.9	61.5	60.9	61.0	61.0	60.6	61.0	61.0	60.5	60.1	59.1	57.6	56.8	56.8
19	56.0	55.0	54.0	53.2	52.8	52.2	52.0	52.1	51.9	51.0	50.1	49.1	48.2	47.2	46.1
20	49.5	50.1	50.3	51.0	52.0	53.0	53.5	54.4	54.1	54.1	53.8	53.0	52.9	52.7	52.4
21	52.5	51.4	51.5	50.7	50.1	50.4	50.5	48.4	49.5	48.4	47.5	46.9	46.1	45.8	45.2
22	43.9	43.2	44.2	44.0	43.2	42.5	42.8	42.4	44.4	47.0	46.5	46.3	45.7	45.3	45.8
23	51.6	51.8	52.0	53.4	54.3	55.1	55.8	56.0	56.0	56.1	56.4	56.0	55.5	55.1	55.2
24	59.6	59.9	60.1	60.6	61.1	61.7	61.9	62.4	62.4	62.3	61.9	61.3	61.0	60.0	59.3
25	55.4	55.2	54.6	54.0	53.9	54.7	55.1	55.4	56.0	57.3	57.4	57.3	57.1	57.2	57.6
26	63.7	64.1	64.0	64.4	64.5	64.7	65.4	66.0	66.7	66.7	66.9	67.1	67.0	66.8	66.9
27	70.9	70.9	70.9	71.1	71.1	71.2	71.7	72.3	72.1	72.1	71.5	70.8	70.5	70.2	70.1
28	70.4	70.1	69.9	69.7	69.9	70.0	69.7	69.2	69.1	68.5	68.3	67.7	66.7	66.2	66.1
29	64.5	64.5	64.2	64.2	64.2	64.3	64.3	64.3	64.5	64.5	64.3	64.2	63.7	63.9	63.4
30	63.5	63.7	63.4	62.8	63.0	63.2	63.4	63.4	63.2	63.0	63.0	62.7	62.0	61.2	61.0
31	62.2	62.1	62.0	61.7	61.8	62.0	62.2	62.5	62.3	62.3	61.9	61.2	60.9	60.4	60.2
Prom	59.5	59.5	59.4	59.3	59.3	59.5	59.8	60.1	60.3	60.2	60.0	59.5	58.8	58.4	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	2.3	1.2	1.3	0.0	- 0.8	- 1.7	- 1.7	2.1	8.1	11.0	13.6	15.5	16.6	17.2	17.5
2	6.3	4.3	3.8	3.9	3.9	3.9	4.5	7.5	10.7	13.9	16.2	17.3	18.1	19.2	17.9
3	13.1	12.8	12.7	12.3	12.0	11.9	11.3	11.6	13.2	15.3	17.1	18.7	19.3	19.3	19.5
4	13.3	13.0	12.2	11.3	11.1	10.4	10.4	10.7	12.3	14.1	16.5	18.4	19.6	19.2	18.5
5	12.6	11.8	10.8	10.4	10.6	10.6	10.7	11.5	13.7	16.3	18.5	19.7	20.9	21.5	21.7
6	15.7	16.1	15.2	15.1	15.0	15.1	15.3	15.8	16.7	18.7	20.8	22.7	23.1	23.7	24.0
7	12.3	11.8	11.6	11.2	11.1	11.2	11.2	11.2	12.8	13.8	14.6	16.1	16.5	16.5	16.1
8	13.5	13.5	13.9	14.3	14.8	16.8	16.8	18.5	21.3	22.9	23.0	25.8	27.6	28.6	28.6
9	20.6	19.8	18.9	18.0	17.6	16.9	15.9	15.1	15.6	16.7	17.9	18.9	19.2	19.9	20.0
10	7.1	6.8	5.5	5.9	8.8	8.8	8.9	12.0	13.8	15.1	15.7	17.6	19.3	20.3	20.4
11	18.6	18.7	18.6	19.9	19.9	19.1	19.8	20.2	21.6	24.3	26.2	23.8	29.0	29.1	28.7
12	20.0	19.2	19.2	19.0	18.3	18.4	18.4	18.7	19.0	20.8	22.4	24.2	25.8	26.5	26.6
13	15.6	15.6	15.6	15.3	15.0	15.1	15.2	15.5	16.9	18.8	19.2	19.2	20.2	19.7	19.0
14	13.0	12.9	12.8	12.9	12.9	13.0	13.1	12.9	13.0	13.5	14.8	17.1	19.5	22.2	22.2
15	20.2	18.4	17.5	16.0	15.1	15.3	14.8	13.9	13.9	14.8	15.1	17.0	17.1	17.1	16.8
16	11.1	11.2	11.1	11.1	11.2	11.3	11.3	10.9	10.6	8.6	8.5	7.6	7.4	7.9	7.3
17	5.2	5.2	5.2	4.6	3.8	2.8	2.6	3.9	7.0	9.2	10.2	11.6	11.8	12.1	13.2
18	7.8	7.9	7.6	7.5	6.5	6.0	6.4	7.5	9.3	10.9	12.1	12.6	13.4	13.2	13.3
19	9.8	9.8	9.9	9.8	9.3	9.2	9.3	10.6	12.7	15.3	17.2	18.4	19.3	19.8	19.8
20	10.8	10.1	10.1	10.0	10.0	9.9	9.6	9.5	9.5	9.7	10.1	11.1	11.4	12.0	12.2
21	5.8	6.2	7.4	7.4	7.4	7.6	7.6	9.4	10.8	12.2	11.9	12.0	11.2	11.0	10.7
22	10.8	10.7	10.7	10.6	10.3	9.9	9.7	9.7	11.2	11.6	12.8	13.9	14.5	14.9	15.3
23	7.8	6.1	4.4	2.9	1.4	1.2	1.0	4.3	7.3	8.3	9.4	10.3	11.4	12.3	12.3
24	9.3	7.9	6.7	5.7	4.2	2.6	1.9	5.1	8.7	11.2	13.0	15.0	15.3	16.0	16.3
25	11.3	11.0	11.0	10.1	10.0	9.3	8.8	10.3	12.4	14.0	15.7	17.3	17.7	17.1	16.0
26	4.6	5.6	6.5	6.8	6.4	6.2	6.0	8.0	10.1	13.3	13.9	14.2	14.8	14.7	14.6
27	- 0.7	- 0.9	- 1.2	- 2.1	- 2.7	- 3.1	- 3.3	2.6	9.5	12.4	13.1	13.9	14.2	14.0	13.8
28	6.5	6.0	4.8	4.9	4.0	2.2	2.8	6.7	9.1	9.9	11.5	11.3	12.5	12.7	12.6
29	9.0	9.0	8.5	8.2	8.2	8.2	8.2	11.5	12.5	13.0	13.5	15.4	16.0	16.6	15.7
30	12.5	12.3	12.2	12.1	12.1	12.0	11.8	11.5	11.9	12.5	13.4	13.9	14.7	16.5	17.0
31	10.6	10.0	11.2	11.4	11.4	11.5	11.5	12	13.2	15.4	17.8	18.4	19.1	18.7	18.3
Prom	10.8	10.4	10.2	9.9	9.6	9.4	9.3	10.7	12.5	14.1	15.3	16.4	17.3	17.7	17.6

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
65.9	66.1	66.3	66.4	66.8	66.9	67.0	67.1	67.2	67.3	7	65.7	15	1.6	766.7 mm.	1022.2 mb.
65.7	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.6	67.9	10	65.6	15	2.3	66.6	1022.1
64.2	64.4	64.9	65.2	65.2	65.9	66.0	66.1	65.8	66.6	0	64.1	15	2.5	65.6	1020.8
61.3	61.4	61.2	61.3	61.4	61.3	61.0	60.1	59.5	65.8	0	59.5	24	6.3	63.0	1017.3
53.6	53.6	53.8	54.5	54.8	55.0	55.6	55.6	55.9	59.5	0	53.5	15-16	6.0	56.2	1008.2
55.6	56.2	56.3	56.5	57.5	58.0	58.6	59.2	59.6	59.6	24	54.9	4-5	4.7	56.5	1008.6
59.3	59.2	59.2	59.3	59.2	59.2	58.9	58.7	58.2	61.8	9-10	59.1	16-17	2.7	60.1	1013.4
51.3	51.4	51.4	51.4	51.6	51.6	51.9	52.1	52.4	58.2	0	51.3	16	6.9	54.0	1005.3
60.9	61.2	62.1	62.4	62.4	62.6	62.4	62.6	62.5	62.8	22-23	52.2	3-4	10.6	59.5	1012.6
55.1	55.1	55.3	55.3	55.4	55.6	55.8	56.0	56.1	62.6	0-1	55.1	16,17	7.5	58.1	1010.8
55.3	55.6	55.7	55.6	55.8	56.2	56.3	56.3	56.2	57.5	9	55.3	15,16	2.2	56.3	1008.4
56.4	56.6	57.2	57.7	57.8	58.3	58.5	58.6	58.7	58.7	24	55.8	3	2.9	57.0	1009.3
58.0	58.3	59.0	59.2	59.6	59.8	59.9	60.1	60.1	60.1	23,24	57.6	14	2.5	58.8	1011.7
54.5	54.6	54.9	55.0	55.0	54.6	54.6	54.8	54.7	60.1	0	54.4	16-17	5.7	57.0	1009.3
58.9	59.3	59.6	60.1	60.4	60.6	60.3	60.0	59.3	60.6	21	54.6	1	6.0	58.4	1011.2
57.8	58.5	58.7	59.9	61.0	61.4	61.9	61.8	61.8	61.9	22	53.6	13-14	8.3	58.4	1011.2
62.8	62.9	63.2	63.4	63.2	63.2	63.0	62.5	62.4	66.1	9,10	61.8	0	4.3	63.9	1018.5
56.5	56.8	57.2	56.8	57.0	56.9	56.8	56.6	56.8	62.4	0,1	56.5	16	5.9	58.9	1011.8
45.8	45.8	46.0	45.7	45.8	46.3	47.2	48.8	49.0	56.8	0	45.7	19	11.1	49.6	999.4
53.1	53.3	53.6	54.2	54.0	54.2	54.2	54.0	53.2	54.5	21-22	49.0	0	5.5	52.9	1003.8
44.7	44.2	44.2	44.3	44.3	44.4	44.3	43.6	43.4	53.6	0-1	43.4	24	10.2	47.2	996.2
47.1	47.8	49.1	48.9	49.8	50.1	50.7	50.1	51.2	51.2	24	42.4	8	8.8	46.3	995.0
55.4	55.4	56.0	57.5	58.0	58.1	58.4	58.6	59.2	59.2	24	51.2	0	8.0	55.7	1007.6
58.5	58.1	57.9	57.8	57.4	57.2	56.8	56.2	55.7	62.4	8,9	55.7	24	6.7	59.6	1012.8
57.9	58.5	59.3	60.2	61.0	61.8	62.2	61.7	62.3	62.3	24	53.8	4-5	8.5	57.6	1010.1
67.4	67.9	68.5	69.1	69.6	70.0	70.3	70.6	70.7	70.7	24	62.3	0	8.4	67.0	1022.6
70.2	70.1	70.1	70.2	70.2	70.2	70.3	70.3	70.3	72.3	8	70.1	15,17,18	2.2	70.8	1027.7
66.1	66.1	66.0	65.4	65.2	65.1	65.4	64.6	64.7	70.4	1	64.6	23	5.8	67.5	1023.3
63.0	63.2	63.4	63.8	64.0	64.0	64.0	64.1	64.1	64.7	0	63.0	16	1.7	64.0	1018.6
61.0	61.2	61.7	61.8	61.9	61.8	62.0	61.9	61.9	64.1	0	61.0	15,16	3.1	62.4	1016.5
60.6	60.9	60.8	60.6	60.4	60.8	60.8	60.4	60.4	62.5	8	60.2	15	2.3	61.3	1015.0
58.2	58.4	58.7	58.8	59.1	59.3	59.4	59.3	59.4	62.1		56.6		5.5	59.3	1012.4

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
17.0	12.5	10.1	7.9	6.1	5.4	6.6	7.0	6.9	17.8	14-15	-1.7	6,7	19.5	7.6
17.3	15.4	14.2	14.0	13.9	13.9	13.9	13.9	13.7	19.2	14	3.1	2-3	16.1	11.7
19.0	17.2	16.4	16.8	15.9	15.8	15.1	14.6	13.9	19.5	15	11.3	7	8.2	15.2
17.7	16.2	15.0	14.9	14.3	14.0	13.8	13.8	13.5	22.2	13-14	10.4	6,7	11.8	14.3
21.7	20.5	19.2	18.0	17.1	16.2	15.4	15.1	15.5	21.8	15-16	10.4	4	11.4	15.8
24.2	21.8	19.5	17.6	17.3	16.3	15.1	13.8	12.8	24.2	16	12.8	24	11.4	18.0
15.3	14.6	13.8	13.2	13.0	13.0	13.2	13.2	13.4	16.5	13,14	11.1	5	5.4	13.4
27.7	25.4	23.5	23.5	22.7	21.6	21.2	20.6	20.5	28.7	14-15	13.4	0	15.3	21.1
20.0	18.7	14.4	11.4	10.1	9.3	7.5	7.1	7.0	20.7	1-2	7.0	24	13.7	15.7
20.3	19.8	19.0	18.3	17.6	17.8	18.6	18.5	18.5	20.4	15	4.9	3-4	15.5	14.8
27.3	24.9	23.2	23.0	21.9	20.7	20.7	21.1	21.2	29.4	12-13	18.5	0	10.9	22.6
25.6	23.3	20.9	19.1	17.3	16.2	15.8	15.1	15.6	26.8	14-15	15.1	23	11.7	20.2
16.2	14.4	13.5	13.2	13.1	13.3	13.4	13.4	13.1	20.3	13-14	13.1	24	7.2	15.8
21.9	21.2	20.0	21.1	22.1	21.7	20.9	21.4	21.4	22.3	14-15	12.8	3	9.5	17.4
16.6	15.0	13.8	13.4	12.3	11.8	11.5	11.0	11.0	21.4	0	11.0	23,24	10.4	15.0
6.2	5.8	5.3	5.3	5.0	4.6	4.5	4.6	5.0	11.3	6,7	4.5	22	6.8	8.0
13.0	11.0	8.9	7.5	7.3	6.7	7.0	7.3	7.2	13.2	15	2.6	7	10.6	7.7
13.2	12.4	11.7	11.1	10.7	10.2	10.0	10.0	9.8	13.5	12-13	6.0	6	7.5	10.0
18.7	17.1	15.0	14.9	13.7	13.1	12.2	11.9	10.8	19.9	15	9.1	4-5	10.8	13.6
12.1	11.5	10.7	10.0	9.6	9.0	9.0	7.3	6.2	12.2	15	6.2	24	6.0	10.0
10.6	10.5	10.5	10.8	11.1	11.1	10.9	10.9	10.9	12.4	9-10	5.7	0-1	6.7	9.8
14.8	13.4	12.1	11.1	10.7	9.7	9.5	9.0	9.1	15.6	15-16	9.0	23	6.6	11.5
11.6	10.2	8.7	8.1	7.2	8.8	9.0	9.3	9.4	12.4	14-15	0.9	6-7	11.5	7.6
15.3	13.4	10.9	10.2	10.2	10.0	9.3	9.5	10.8	16.3	15	1.8	6-7	14.5	9.9
15.8	13.6	10.6	8.3	7.1	6.1	4.4	3.8	3.5	17.7	13	3.0	23-24	14.7	11.0
13.7	12.5	9.0	6.4	4.3	2.7	1.6	1.0	0.1	14.8	13	0.1	24	14.7	8.2
13.1	11.4	9.4	9.1	7.5	7.6	7.6	7.0	7.0	14.2	13	-3.3	7	17.5	6.6
12.4	11.8	11.7	10.1	9.3	9.1	9.2	9.3	9.3	12.7	14	2.2	6	10.5	8.7
15.0	14.1	13.7	13.0	12.9	13.0	12.6	12.5	12.5	16.6	14	8.2	varios	8.4	12.2
17.0	16.9	16.0	14.8	14.3	14.2	14.0	13.8	12.4	17.1	16-17	11.6	8	5.5	13.7
18.4	17.3	15.8	14.8	14.4	13.8	13.1	12.8	12.3	19.3	13-14	9.9	1-2	9.4	14.2
17.0	15.6	14.1	13.2	12.6	12.2	11.8	11.6	11.4	18.4		7.4		11.0	12.9

HUMEDAD RELATIVA en %

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

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	4.8	4.8	4.4	4.2	3.8	3.8	5.3	6.2	6.6	7.2	6.8	6.6	7.1	7.0
2	6.8	6.0	5.8	5.8	5.8	5.8	6.0	7.7	8.0	9.0	9.0	9.0	9.5	9.2	9.5
3	9.5	9.5	10.0	9.5	9.5	9.5	9.0	8.8	8.5	9.0	9.5	10.0	10.5	10.8	11.0
4	8.5	8.5	8.5	8.0	8.5	8.0	8.0	7.9	7.6	8.0	8.0	8.0	8.5	10.4	9.5
5	7.8	7.8	7.8	8.0	8.0	8.0	8.0	8.6	8.5	9.0	9.0	9.0	9.5	9.7	10.0
6	10.5	10.5	10.5	11.0	11.0	11.0	11.0	11.9	12.0	12.0	13.0	12.5	13.0	13.3	12.5
7	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.7	9.5	10.0	10.0	10,5	10.5	10.5	10.5
8	10.5	10,5	11.0	11.5	12.0	12,0	12.0	12.8	12.5	13.0	13.0	13.0	13.0	12.6	12.0
9	13.0	13.0	13.0	12.5	13.0	13.0	11.0	8.5	7.6	7.4	7.2	6.8	7.0	6.8	6.6
10	6.6	6.8	6.4	6.6	7.2	7.2	7.8	8.4	7.2	7.4	7.6	7.8	8.5	10.2	11.0
11	12.0	12.0	12.0	11.5	11.5	11.5	11.5	12.0	12.0	13.0	13.0	9.0	12,5	13.2	12.5
12	12.5	12.5	12.0	11.5	11.0	12,0	12.0	11.7	12.5	13.0	13.5	14.0	14.0	14.5	15.5
13	12.5	12.5	12.5	12.5	12.0	11.5	11.5	12.1	12.5	13.0	13.5	13.5	13.5	13.1	13.5
14	10.5	10.5	10.5	10.5	10.5	10.5	10.5	11.1	10.5	11.0	11.5	12.0	13.5	14.7	15.0
15	12.5	13.0	13.0	12.5	11.5	12.0	12.0	12.4	11.5	11.0	9.0	9.0	9.0	8.0	8.0
16	7.6	7.6	8.0	8.0	8.0	8.5	8.5	8.3	7.8	8.0	8.0	7.6	7.4	8.0	7.4
17	6.0	6.0	5.8	5.8	5.4	5.0	5.2	5.6	6.2	6.2	6.6	6.8	6.4	6.3	6.4
18	6.8	6.8	7.2	7.0	6.6	6.4	6.6	7.2	7.2	7.4	7.6	7.8	7.6	8.0	8.0
19	8.5	8.0	8.5	8.5	8.5	8.5	8.5	9.5	10.0	10.0	9.5	9.5	9.5	9.6	9.5
20	7.8	6.6	6.2	6.2	6.2	6.0	6.0	6.3	6.4	6.4	6.6	6.6	6.8	7.0	7.0
21	6.6	6.8	6.2	6.2	5.8	6.0	6.0	6.1	7.0	7.0	7.0	7.4	8.0	8.6	8.5
22	9.0	9.0	9.0	9.0	9.0	8.5	8.5	8.3	9.0	8.0	8.5	7.8	7.6	7.7	8.0
23	4.8	5.0	4.4	4.6	4.4	4.0	4.0	4.2	4.4	4.6	5.0	4.4	4.6	4.3	4.4
24	3.6	3.6	3.8	3.6	3.4	3.4	3.4	3.8	4.0	3.6	3.6	3.4	3.0	3.8	3.8
25	5.2	5.0	5.0	4.8	4.8	4.6	4.8	4.7	5.0	5.6	5.6	6.2	6.4	6.2	5.8
26	3.6	3.8	3.8	4.2	4.4	4.4	4.6	5.0	4.8	4.8	4.4	3.8	3.4	3.3	3.4
27	4.2	4.2	4.0	3.8	3.6	3.4	3.4	5.1	5.4	4.4	4.8	4.4	4.4	4.2	4.4
28	6.2	6.4	6.2	5.8	5.6	5.2	5.0	6.0	6.2	5.2	4.8	5.6	6.6	6.7	6.8
29	8.0	8.0	8.0	7.8	7.8	7.8	7.8	9.5	7.8	8.0	8.0	9.0	9.0	9.8	9.5
30	9.5	9.0	9.5	9.5	9.5	10.0	10.0	10.2	10.0	10.5	10.5	11.5	12.0	12.8	12.5
31	9.0	9.0	9.5	9.5	9.5	9.5	9.5	10.5	11.0	11.0	12.5	13.0	12.0	12.0	12.0
Prom.	8.2	8.1	8.1	8.0	8.0	8.0	7.9	8.4	8.3	8.5	8.6	8.6	8.8	9.1	9.1

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
52	74	80	90	95	98	93	95	95	100	varios	45	14-15	55	82
69	75	78	82	82	82	82	82	83	100	varios	58	14	42	83
70	76	81	77	77	70	67	71	74	93	4-5	62	13	31	77
68	77	82	82	80	70	67	68	72	87	6-7	52	13-14	35	74
52	57	62	66	72	78	83	84	80	89	4	51	13,14	38	72
64	78	87	93	92	92	90	94	95	95	24	59	15	36	81
80	84	88	92	93	93	94	94	95	98	7,8	75	14	23	90
48	55	60	59	62	66	68	72	74	96	3,4,5	43	14	53	70
37	47	63	78	84	91	94	89	90	95	21-22	37	16	58	68
68	72	75	77	81	81	78	78	78	100	3,4	53	12	47	76
51	58	65	66	70	74	72	68	68	78	0,1	42	12-13	36	63
65	76	87	92	96	97	96	98	95	98	23	56	13-14	42	77
90	95	96	96	96	96	97	97	98	100	varios	78	13	22	92
78	80	81	69	64	68	72	68	67	100	varios	64	20	36	86
60	55	62	62	65	63	68	76	78	100	8	48	16-17	52	75
100	100	100	98	97	100	100	97	95	100	varios	76	2	24	93
59	72	80	33	80	82	86	85	87	97	7	57	14-15	40	81
72	80	88	92	92	94	97	96	97	97	22,24	68	13	29	86
65	75	81	81	89	92	92	91	92	100	varios	54	13-14	46	84
72	78	85	91	92	95	96	100	100	100	23,24	66	13	34	78
94	93	94	96	98	100	100	100	100	100	varios	65	9-10	35	87
71	73	74	77	80	86	86	82	65	100	varios	60	14-15	40	83
46	46	55	67	71	62	60	52	48	88	5-6	44	15	44	61
35	44	53	57	56	63	72	72	61	74	22-23	25	13	49	50
40	44	44	45	51	57	61	65	60	67	23-24	38	15-16	29	50
33	40	56	72	83	94	98	100	100	100	23,24	26	14-15	74	46
44	50	56	66	72	76	86	83	84	100	varios	32	10-11	68	71
63	70	77	80	86	96	98	98	100	100	24	46	11	54	80
76	80	84	88	90	90	91	91	86	100	varios	68	13-14	32	86
85	86	90	94	96	94	95	98	100	100	varios	85	16	15	94
75	78	85	90	93	95	96	99	100	100	varios	72	13	28	91
64	70	76	79	82	84	85	85	84	95		55		40	77

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
7.6	7.8	7.0	6.8	6.6	6.4	6.6	6.8	6.8	7.8	17	3.8	6,7	4.0	6.1
10.0	9.5	9.0	9.5	9.7	9.5	9.5	9.5	9.5	10.0	16	5.8	varios	4.2	8.3
11.0	10.0	11.5	11.0	10.3	9.0	8.5	9.0	8.5	11.5	18	8.5	9,22,24	3.0	9.7
10.0	10.5	10.5	10.0	9.7	8.0	7.8	7.8	8.0	10.5	17,18	7.6	9	2.9	8.7
10.0	10.0	10.0	10.0	11.1	10.5	10.5	10.5	10.0	11.1	20	7.8	1,2,3	3.3	9.2
13.5	15.0	14.5	13,5	13.5	12.5	11.0	10.5	10.0	15.0	17	10.0	0,24	5.0	12.1
10.0	10.0	10.0	10.0	10.4	10.0	10.0	10.0	10.5	10.5	varios	9.5	varios	1.0	9.9
13.0	12.5	12.0	12.0	12.6	13.0	12.5	13.0	13.0	13.0	varios	10.5	0,1,2	2.5	12.3
6.6	7.6	7.6	7.6	7.8	8.0	7.2	6.6	6.4	13.0	varios	6.4	24	6.6	8.8
12.0	12.5	11.5	12.0	12.1	12.5	12.0	12.0	12.0	12.5	17,21	6.4	0,3	6.1	9.4
14.0	13.5	13.0	14.0	13.6	13.0	13.0	12.5	12.5	14.0	16,19	9.0	12	5.0	12.4
15.0	16.0	15.0	15.0	14.1	13.5	13.0	12.5	12.0	16.0	17	11.0	5	5.0	13.3
12.0	11.0	11.0	11.0	10.3	11.0	11.0	11.0	10.5	13.5	varios	10.3	20	3.2	12.0
15.0	14.5	14.0	12.5	12.5	13.0	13.0	12.5	12.5	15.0	15,16	10.5	varios	4.5	12.2
8.0	6.6	7.2	7.2	7.0	6.4	6.8	7.6	7.6	13.0	2,3	6.4	21	6.6	9.5
6.8	6.6	6.4	6.4	6.3	6.2	6.0	6.2	6.0	8.5	6,7	6.0	22,24	2.5	7.3
6.4	7.0	6.6	6.6	6.2	6.0	6.4	6.2	6.6	7.0	17	5.0	6	2.0	6.2
8.0	8.0	8.5	9.0	8.7	8.5	8.5	8.5	8.5	9.0	19	6.4	6	2.6	7.7
10.5	10.5	10.5	10.0	9.7	10.0	9.5	9.5	8.5	10.5	16,17,18	8.0	2	2.5	9.4
7.6	7.8	7.8	8.0	8.2	7.8	8.0	7.4	6.8	8.5	0	6.0	6,7	2.5	7.0
8.5	8.5	8.5	9.0	9.4	9.5	9.0	9.0	9.0	9.5	21	5.8	5	3.7	7.6
9.0	8.0	7.6	7.6	7.7	7.8	7.8	7.0	5.4	9.0	varios	5.4	24	3.6	8.1
4.8	4.4	4.4	5.4	5.4	5.2	4.8	4.6	4.2	5.4	0,19,20	4.0	6,7	1.4	4.6
4.2	4.8	5.0	5.2	5.1	5.6	6.2	6.4	6.0	6.4	23	3.0	13	3.4	4.3
5.0	4.8	4.0	3.6	3.9	4.0	3.8	3.6	3.4	6.4	13	3.4	24	3.0	4.8
3.8	4.0	4.8	5.2	5.2	5.0	5.0	4.8	4.4	5.2	19,20	3.3	14	1.9	4.3
4.8	4.8	5.0	5.8	5.5	6.0	6.8	6.2	6.2	6.8	22	3.4	6,7	3.4	4.8
6.6	6.8	7.8	7.0	7.6	8.0	8.5	8.5	8.5	8.5	22,23,24	4.8	11	3.7	6.6
9.5	9.0	9.5	9.5	10.0	9.5	10.0	10.0	9.5	10.0	20,22,23	7.8	varios	2.2	8.8
11.5	12.5	11.5	11.5	11.6	11.0	11.0	11.0	10.5	12.8	14	9.0	2	3.8	10.8
11.0	11.0	11.0	11.0	11.3	10.5	10.5	10.5	10.0	13.0	12	9.0	1,2	4.0	10.7
9.2	9.2	9.1	9.1	9.1	8.9	8.8	8.7	8.5	10.4		6.9		3.5	8.6

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	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V
1	NE	5	C	0	C	0	C	0	C	0	SE	3	E	3	E	2	NE	4	NE	5	NW	4	NW	4	NW	3	NW	2	W	2
2	E	7	E	4	E	6	E	5	E	3	E	6	E	4	E	4	E	5	E	9	E	8	E	8	E	12	E	12	E	13
3	NE	20	NE	17	NE	22	NE	19	NE	18	NE	20	NE	17	NE	14	NE	24	NE	20	NE	18	NE	19	NE	15	NE	14	E	12
4	-	19	-	17	-	17	-	11	-	8	-	9	-	9	-	9	-	13	-	13	-	15	-	15	-	11	-	10	-	8
5	-	18	-	16	-	16	-	17	-	16	-	18	-	17	-	13	-	20	-	26	-	32	-	37	-	31	-	33	-	27
6	-	9	-	13	-	15	-	16	-	15	-	17	-	21	-	9	-	18	-	11	-	13	-	14	-	16	-	11	-	7
7	-	6	-	5	-	4	-	5	-	5	-	6	-	7	-	5	-	12	-	11	-	12	-	18	-	18	-	20	-	21
8	-	11	-	9	-	9	-	7	-	9	-	13	-	15	-	18	-	25	-	28	-	20	-	23	-	30	-	33	-	23
9	-	15	-	10	-	9	-	11	-	7	-	21	-	22	-	16	-	13	-	11	-	12	-	9	-	9	-	5	-	4
10	C	1	C	1	C	0	NE	3	NE	6	E	4	E	6	E	7	N	10	N	14	N	16	N	17	N	16	N	14	N	10
11	NE	17	NE	18	NE	14	NE	20	NE	20	N	20	N	22	N	24	N	30	N	28	N	26	N	21	N	26	N	24	N	22
12	N	19	N	17	N	18	N	20	N	17	N	18	N	17	N	14	N	13	NW	17	NW	17	NW	22	NW	20	NW	21	NW	12
13	S	7	SE	7	SE	4	SE	5	SE	4	SE	7	SE	8	E	7	E	7	E	6	S	6	S	7	S	7	S	7	S	7
14	SE	5	SE	4	E	5	SE	3	SE	4	E	6	E	7	E	6	E	8	E	8	E	8	E	8	E	8	E	7	E	7
15	N	18	W	12	W	4	C	0	NE	3	NE	4	S	8	S	9	S	9	S	11	S	14	S	16	S	18	S	10	SE	10
16	SE	14	SE	11	S	9	SE	14	SE	16	SE	14	SE	16	S	11	S	12	S	15	S	12	S	15	S	17	S	18	S	15
17	S	9	S	11	S	10	S	6	S	6	S	2	C	1	W	5	S	3	S	5	S	4	S	5	S	3	S	3	S	4
18	NE	9	NE	11	NE	10	NE	14	NE	9	NE	10	NE	13	NE	13	N	18	N	19	N	20	N	20	N	18	N	13	N	6
19	E	6	E	10	E	9	E	7	NE	4	NE	8	NE	8	NE	7	N	13	N	14	N	12	N	16	N	18	N	20	N	22
20	S	6	S	12	S	12	S	17	S	12	S	10	S	8	S	8	S	4	SE	5	E	4	E	4	N	7	C	1	W	2
21	W	4	C	1	SE	3	SE	3	SE	5	SE	5	SE	4	SE	14	E	6	E	17	E	21	E	14	E	17	SE	9	SE	5
22	W	4	S	6	W	4	S	9	S	8	S	10	S	12	S	16	S	13	S	7	S	8	S	12	S	13	S	8	S	5
23	S	15	S	10	S	7	SW	4	W	4	W	7	W	6	W	8	W	18	W	25	W	26	W	24	W	24	W	18	W	23
24	W	20	W	18	W	13	W	10	W	10	W	9	N	8	N	8	NW	11	NW	17	NW	18	NW	19	NW	18	NW	15	NW	16
25	N	22	N	22	N	30	N	33	N	32	N	24	N	27	N	27	NW	29	W	29	W	28	W	17	W	13	S	11	S	11
26	W	11	W	6	SW	6	SW	8	S	6	SW	3	SW	2	SW	5	S	10	S	13	S	13	S	13	S	15	S	16	S	13
27	SW	3	S	2	S	3	S	2	S	3	S	3	S	2	C	0	C	1	E	3	E	5	E	7	E	11	E	11	E	10
28	E	8	E	9	E	6	E	5	E	5	E	2	E	6	E	8	E	14	E	21	E	20	E	15	E	12	E	12	E	7
29	SE	6	SE	6	SE	3	C	1	S	2	C	0	SE	2	SE	7	E	18	E	21	E	21	E	21	E	21	E	17	E	18
30	E	17	E	14	E	12	E	15	E	12	E	10	E	11	E	12	E	12	E	11	E	9	E	5	E	4	E	4	E	7
31	C	1	SE	3	SE	2	C	0	C	1	E	2	S	4	S	3	S	2	S	2	S	5	S	9	S	5	E	10	E	10
DIR. PREV.	NE-E-SE-W		SE-S		E-S		NE-S-E-SE-C		NE-S		E		E		E		E-S		E		E		E		E-S		E-S		E	
Nº de HORAS	4		5		5		4		6		6		6		7		7		8		8		8		7		7		8	
VEL. HOR. DE LA VELOC.		11		9		9		9		8		9		10		10		13		14		14		15		15		13		15

15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		PREVAL. DIARIA		PROM. DIARIO DE VELOC.	VELOCIDAD INSTANTÁNEA		
D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	DIR.	Nº de HORAS		VELOC.	DIREC.	HORA
SE	2	E	6	E	7	E	6	E	6	E	4	E	3	E	9	E	8	E	8	4	8	E	16.45
E	12	E	13	E	11	E	10	E	11	NE	14	NE	20	NE	21	NE	21	E	20	10	28	NE	23.03
E	12	E	6	E	9	E	12	NE	17	NE	22	NE	19	NE	17	NE	16	NE	19	17	30	NE	8.21
-	12	-	11	-	10	-	12	-	13	-	20	-	21	-	25	-	23	-	-	14	30	NE	21.32
-	26	-	22	-	14	-	14	-	5	-	6	-	8	-	7	-	11	-	-	19	-	-	-
-	2	-	0	-	2	-	2	-	1	-	5	-	10	-	8	-	8	-	-	10	-	-	-
-	19	-	18	-	13	-	11	-	11	-	10	-	12	-	13	-	16	-	-	11	-	-	-
-	26	-	19	-	15	-	21	-	22	-	18	-	17	-	16	-	16	-	-	18	-	-	-
-	2	-	1	-	2	-	1	-	3	-	0	-	0	-	2	-	2	-	-	8	19	S	10.18
N	12	N	10	N	10	N	14	N	12	N	12	NE	18	NE	20	NE	18	N	13	10	20	N	10.48
N	17	N	15	N	9	NE	12	NE	15	N	11	N	16	N	17	N	20	N	17	19	37	N	7.48
NW	10	NW	4	C	0	NW	2	S	2	S	2	C	1	C	1	C	1	NW-N	9	12	29	NW	11.49
S	9	S	11	S	8	SE	8	E	8	E	10	E	11	SE	9	SE	7	SE-S	9	7	13	E	21.09
E	6	E	5	NE	3	NE	9	NE	14	NE	13	N	18	N	21	N	17	E	13	8	19	N	22.24
S	9	S	11	SE	8	SE	10	SE	11	SE	12	SE	14	SE	11	SE	13	S	10	10	27	SE	21.07
S	17	S	16	S	16	S	16	S	14	S	14	S	16	S	11	S	10	S	18	14	37	S	18.52
SE	2	NE	6	NE	3	NE	9	NE	7	NE	3	NE	9	NE	8	NE	9	S	13	6	15	S	2.16
NE	4	E	3	C	0	SE	3	S	3	C	1	S	2	SE	3	C	1	NE	9	9	24	N	9.40
N	18	N	12	N	10	N	12	N	10	NW	5	W	4	S	5	S	3	N	12	10	24	N	13.22
W	2	W	3	C	1	W	2	C	0	C	1	W	2	C	1	C	1	S	9	5	26	S	1.08 3.45
SE	8	SE	10	SE	8	E	6	E	6	S	3	S	3	S	2	C	1	SE	11	7	27	E	12.01
S	10	S	16	S	13	S	10	S	9	S	10	S	10	S	10	S	13	S	22	10	28	S	7.12 7.27
W	20	W	26	W	16	W	11	W	10	W	23	W	25	W	20	W	21	W	22	16	42	W	11.46 12.07
NW	16	N	13	N	10	N	9	NE	11	NE	14	N	16	N	17	N	25	N-NW	8	14	28	N	23.44
S	5	S	7	S	7	S	7	S	7	S	5	S	4	S	4	SW	6	S	10	17	38	N	7.56
S	11	S	7	S	2	C	0	C	0	C	0	C	0	C	0	C	0	S	11	7	24	S	14.00
E	9	E	8	E	8	E	7	E	6	E	9	E	9	E	8	E	9	E	15	6	14	E	13.30
E	3	C	1	C	1	E	9	E	11	E	9	E	13	E	11	SE	7	E	21	9	32	E	10.14
E	17	E	14	E	13	E	13	E	11	E	12	E	13	E	9	E	12	E	16	12	30	E	10.36
E	4	E	3	E	4	E	2	E	2	E	4	E	3	E	8	C	1	E	23	8	24	E	0.50
E	10	E	9	E	7	E	10	E	12	E	12	E	8	E	10	E	13	E	12	6	22	E	23.21

																		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
E		E		E		E		E		E		E		E		C					108 Km.		
8		9		7		9		9		7		7		6		6		DIR.	HORAS		DIREC.	DIA	HORA
	11		10		8		8		8		9		10		10		11	E	158	11	NE	5	de 11.25 a 11.30

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	14	10	54	2	5					1	2	4	13	4	88
2			4	76	20	163												239
3			19	348	5	51												399
4																		331
5																		450
6																		243
7																		278
8																		443
9																		187
10	13	167	5	65	3	17											3	251
11	17	348	7	116														464
12	9	153							2	4					9	125	4	285
13					6	49	9	59	9	69								177
14	3	56	4	39	13	89	4	16										200
15	1	18	2	7			8	89	10	115			2	16			1	245
16							6	85	18	254								339
17			8	54			1	2	13	71			1	5			1	133
18	7	114	9	93	1	3	2	6	2	5							3	223
19	12	177	4	27	4	32			2	8			1	4	1	5		253
20	1	7			2	8	1	5	9	89			5	11			6	125
21					7	87	11	74	3	8			1	4			2	175
22									22	228			2	8				236
23									3	32	1	4	20	355				391
24	8	106	2	25									6	80	8	130		341
25	8	217							10	68	1	6	4	87	1	29		407
26									11	119	5	24	2	17			6	160
27					15	120			6	15	1	3					2	139
28					21	206	1	7									2	215
29					16	251	5	24	1	2							2	278
30					23	185											1	186
31					12	113	2	5	7	30							3	150
SUMAS	79	1363	67	864	158	1428	52	377	128	1117	8	37	45	589	23	302	40	8031
% PREVAL POR VELOCIDAD	22.3		14.2		23.4		6.2		18.3		0.6		9.6		5.0		0.4	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	17		13		9		7		9		5		13		13		0.6	259

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	3	4	4	3	4	1	4		2
1 - 2	2	3	4	5	5		3		3
2 - 3	2	3	5	4	5	1	3		2
3 - 4	2	4	4	4	4	2	1		4
4 - 5	2	6	3	4	6		2		2
5 - 6	3	4	6	4	4	1	2		1
6 - 7	4	3	6	4	5	1	1		1
7 - 8	4	3	7	2	5	1	2		1
8 - 9	5	2	7		7		1	2	1
9 - 10	4	2	8	1	6		2	2	
10 - 11	4	1	8		7		2	3	
11 - 12	4	1	8		7		2	3	
12 - 13	5	1	7		7		2	3	
13 - 14	4	1	7	1	7		1	3	1
14 - 15	4		8	2	6		3	2	
15 - 16	3	1	8	3	6		2	2	
16 - 17	4	1	9	1	6		2	1	1
17 - 18	4	2	7	2	5		1		4
18 - 19	3	3	9	3	3		2	1	1
19 - 20	2	5	9	1	5		1		2
20 - 21	2	5	7	1	5		1	1	3
21 - 22	3	4	7	1	5		3		2
22 - 23	3	4	6	3	5		1		3
23 - 24	3	4	4	3	3	1	1		6
SUMAS	79	67	158	52	128	8	45	23	40
% de frec. por dirección	13.2	11.2	26.3	8.7	21.3	1.3	7.5	3.8	6.7

NUBES. VISIBILIDAD

DÍAS	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	Ci	1	Ci	1	Claro	0	Claro	0	95	98	98
2	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	5	5	8
3	Ci	1	Ci	2	Ci	7	Ci	7	Ci	7	9	7	9
4	Ci	7	Ci	2	Claro	0	Claro	0	Claro	0	8	6	8
5	Ci	8	Cs	8	Ci	2	Ci	1	Ci	4	8	6	8
6	Sc 5 As 3	8	Cu	1	Ac 1 Ci 6	7	Claro	0	Claro	0	5	5	4
7	As	8	Ac 7 Ci 1	8	Ac	8	Sc	4	Claro	0	4	5	5
8	Ac 1 Ci 1	2	Ac	5	Ci	2	Claro	0	Claro	0	6	6	9
9	Ac	7	Ac	1	Ci	2	Ci	1	Claro	0	9	9	8
10	Ci	7	Ci Cs	8	Ci Cs	8	Ci Cs	8	Cs	3	8	7	9
11	Ci	8	Ci	7	Ci	5	Ci	6	Ci	3	6	6	8
12	As	8	Ci	8	Ci	7	Ci	7	Ci	6	6	5	6
13	Ac	6	Ac	8	Ac	7	Ac	4	As	8	5	5	4
14	Niebla	8	Claro	0	Ci	8	Ac	5	Ac	7	0	4	8
15	Niebla	8	Cs	8	Ac As 7 Cs 1	8	Ac As	7	Ac As	7	2	7	8
16	St	8	St Fs	8	St Fs	8	Fs	8	Fs	8	7	8	6
17	Claro	0	Cu	1	Cu	3	Ci	1	Ci	3	9	9	9
18	Ac As 1 Cs 7	8	Ac 2 Ci 6	8	Ac As 4 Cs 4	8	Sc	7	Sc	7	9	9	9
19	Ci Cs	8	Ci	8	Ci	7	Cs	8	Cs	8	8	8	9
20	Ac As	8	Ac As	8	Ac As	8	Ac As	8	Ac As	8	9	5	8
21	Ac	3	St	8	St	8	St	8	St	8	5	6	5
22	Fs	3	Cs 6 Sc 1	7	Sc 1 As 7	8	St Fs	8	St Fs	8	9	9	9
23	Claro	0	Claro	0	Claro	0	St Fs	8	St	8	9	9	8
24	Claro	0	Ci	1	Ci	4	Ci	7	Ci	2	8	9	9
25	Claro	0	Ci Cc	3	Ci	6	Sc 1 Ci 2	3	Cs	6	9	7	8
26	Ac 7 Ci 1	8	Cs	1	Cs	1	Claro	0	Claro	0	8	9	9
27	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	6	7	9
28	Ac As	1	Ci	7	Ac As 1 Cs 7	8	As	8	As	8	7	9	9
29	Cu 3 Ac 1	4	Sc	6	Cu 2 Ac 4	6	Ac	8	Ac	8	6	7	7
30	St	8	St Fs	8	Cu Sc	7	Sc	8	St	8	5	9	8
31	Niebla	8	Cu	7	Cb	8	Ci	7	Ci	7	1	6	8
Prom.		5		5		5		5		5			

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9	27.5	13.0	1.18	0	5	3	Ne.
	10	32.0	16.0	1.30	0	5	3	Ne.
1	12	35.8	20.6	1.24	1	5	5	
	14	36.8	20.9	1.29	1	5	5	
	15	35.2	20.2	1.22	0	5	5	
	9	28.6	15.6	1.06	0	5	4	Ne.
	10	32.0	18.0	1.14	0	5	4	Ne.
2	12	36.5	22.2	1.16	0	5	4	Ne.
	14	34.5	22.8	0.95	0	5	3	Ne.
	15	34.3	22.0	1.00	0	5	4	Ne.
	9	29.0	16.5	1.02	1	5	5	
	10	33.8	19.4	1.17	0	5	5	
3	12	37.1	22.7	1.17	2	5	4	Ne.
	14	36.2	23.0	1.07	7	5	4	Ne.
	15	34.7	22.6	0.98	8	5	4	Ne.
	9	26.6	15.3	0.92	7	4	5	
	10	26.3	16.3	0.81	5	4	5	
4	12	35.8	22.2	1.10	2	5	5	
	14	36.7	22.7	1.14	0	5	3	Ne.
	15	33.3	21.3	0.98	0	5	3	Ne.
	9	29.7	17.5	0.99	8	5	4	Ne.
	10	33.2	20.2	1.06	8	5	4	Ne.
5	12	38.0	24.1	1.13	8	5	3	B.
	14	36.5	24.7	0.96	2	5	3	B.
	15	34.9	24.5	0.84	1	5	3	B.
	9	20.9	17.7	0.26	8	1	4	Ne.
	10	30.0	21.0	0.73	7	3	3	Ne.
6	12	40.2	26.7	1.10	1	5	3	Ne.
	14	33.6	25.6	0.65	7	5	3	Ne.
	15	35.9	25.9	0.81	7	5	3	Ne.
	9	22.5	15.1	0.60	8	2	2	Ne.
	10	18.6	15.1	0.28	8	0	2	Ne.
7	12	24.2	17.8	0.52	8	1	3	Ne.
	14	23.3	18.0	0.43	8	0	3	Ne.
	15	20.6	15.8	0.39	8	0	3	Ne.
	9	34.0	24.0	0.81	5	4	3	Ne.
	10	30.5	24.6	0.48	8	0	3	B.
8	12	40.2	29.3	0.89	5	3	3	B.
	14	37.9	28.8	0.74	4	3	3	B.
	15	40.8	30.7	0.82	1	5	3	B.
	9	29.7	18.8	0.89	5	3	5	
	10	33.3	20.5	1.04	4	5	5	
9	12	40.9	24.2	1.36	1	5	5	
	14	38.7	23.5	1.24	2	5	5	
	15	38.6	23.7	1.22	1	5	5	
	9	31.8	17.8	1.14	7	5	5	
	10	32.8	19.0	1.12	8	5	5	
10	12	35.0	21.8	1.07	8	5	5	
	14	36.3	23.8	1.02	8	5	5	
	15	30.3	22.3	0.65	8	5	5	
	9	35.0	24.2	0.88	8	4	4	Ne.
	10	41.2	27.8	1.09	8	3	3	B.
11	12	46.4	32.5	1.13	7	5	3	B.
	14	42.6	31.7	0.89	5	5	3	B.
	15	37.8	30.0	0.63	7	4	3	B.
	9	26.5	20.7	0.47	8	2	3	Ne.
	10	33.3	22.8	0.85	8	2	3	Ne.
12	12	36.6	26.8	0.80	8	2	3	Ne.
	14	41.4	29.8	0.94	7	5	3	B.
	15	32.6	27.0	0.46	7	3	3	B.
	9	22.2	18.1	0.33	8	1	3	Ne.
	10	30.8	21.4	0.76	8	1	3	Ne.
13	12	29.5	26.3	0.26	8	1	2	Ne.
	14	26.8	20.8	0.49	7	3	2	Ne.
	15	27.2	24.4	0.23	6	4	2	Ne.
	9	15.7	13.8	0.15	8	0	0	N.
	10	19.9	15.4	0.36	8	0	1	N.
14	12	36.3	21.6	1.20	0	5	2	Ne.
	14	38.1	25.3	1.04	8	5	3	Ne.
	15	33.4	23.4	0.81	7	4	3	Ne.
	9	16.1	14.9	0.10	8	0	2	N.
	10	18.9	16.1	0.23	8	0	3	Ne.
15	12	31.0	20.5	0.85	8	1	4	Ne.
	14	26.5	19.0	0.61	7	2	5	
	15	25.5	18.6	0.56	7	2	5	
	9				8	0	4	Z.
	10				8	0	5	Z.
16	12				8	0	5	LL.
	14				8	0	5	Am.
	15				8	0	4	Z.

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9	26.2	11.3	1.21	0	5	5	
	10	30.3	13.8	1.34	0	5	5	
17	12	34.5	17.1	1.41	1	5	5	
	14	20.8	13.3	0.61	3	5	5	
	15	32.1	16.6	1.26	1	5	5	
	9	21.3	12.3	0.73	8	2	5	
	10	26.1	14.6	0.93	8	2	5	
18	12	29.5	16.8	1.03	8	2	5	
	14	23.3	15.3	0.65	8	2	5	
	15	18.4	14.2	0.34	8	1	5	
	9	29.6	16.7	1.05	7	5	4	
	10	35.2	20.0	1.24	7	5	3	
19	12	40.7	24.1	1.35	8	5	3	
	14	-	-	-	7	5	3	s/Obs.
	15	34.0	22.8	0.95	8	5	3	
	9	11.6	10.1	0.12	8	0	3	
	10	14.0	11.0	0.44	8	0	3	
20	12	17.8	13.0	0.39	8	0	3	Ne.
	14	15.7	12.7	0.24	8	0	3	Ne.
	15	15.9	13.0	0.24	8	0	3	Ne.
	9	21.3	13.2	0.66	8	2	3	Ne.
	10	16.8	13.3	0.28	8	0	3	
21	12	14.8	12.7	0.17	8	0	2	
	14	11.9	11.4	0.04	8	0	2	Ne.
	15	12.2	10.2	0.16	8	0	3	Ne.
	9	16.2	12.3	0.32	8	1	0	
	10	13.4	11.7	0.14	8	0	1	
22	12	25.6	16.4	0.75	7	1	2	
	14	25.1	17.0	0.66	8	2	3	
	15	27.0	18.0	0.73	7	5	3	
	9	28.6	12.8	1.28	0	5	5	
	10	30.7	14.0	1.36	0	5	5	
23	12	33.4	16.3	1.39	0	5	5	
	14	33.2	17.4	1.28	0	5	5	
	15	30.0	15.8	1.15	1	5	5	
	9	29.6	13.6	1.30	1	5	5	
	10	33.1	16.2	1.37	1	5	5	
24	12	35.4	19.3	1.31	1	5	5	
	14	36.5	20.3	1.32	4	5	5	
	15	34.5	18.8	1.28	3	5	5	
	9	30.7	16.5	1.15	0	5	5	
	10	34.2	18.4	1.28	0	5	5	
25	12	39.3	22.5	1.36	3	5	5	
	14	34.6	20.9	1.11	6	5	5	
	15	26.9	17.7	0.75	7	2	5	
	9	25.4	13.5	0.97	7	2	5	
	10	35.6	17.6	1.46	2	5	5	
26	12	37.1	19.4	1.44	1	5	5	
	14	36.7	19.7	1.38	1	5	5	
	15	34.2	18.5	1.28	1	5	5	
	9	29.8	14.3	1.26	0	5	3	B.
	10	33.7	17.2	1.34	0	5	5	
27	12	34.3	18.5	1.28	0	5	4	B.
	14	33.5	18.2	1.24	0	5	4	B.
	15	30.9	16.8	1.15	0	5	5	
	9	30.2	13.8	1.34	3	5	5	
	10	30.2	14.4	1.28	6	5	5	
28	12	25.0	13.3	0.95	7	2	5	
	14	26.0	15.3	0.87	8	2	5	
	15	17.7	13.3	0.36	8	0	5	
	9	22.0	15.2	0.55	7	2	3	Ne.
	10	21.0	15.4	0.46	8	0	3	Ne.
29	12	39.3	21.0	1.49	6	3	3	Ne.
	14	36.9	21.0	1.29	7	3	4	Ne.
	15	28.7	18.4	0.84	8	0	3	Ne.
	9				8	0	3	Ne., Am.
	10				8	0	2	Ne., LL.
30	12				8	0	2	Ne., Z.
	14	22.0	17.8	0.34	7	2	5	
	15	20.8	17.6	0.26	7	0	5	
	9				8	1	1	N., Dv.
	10	30.1	18.7	0.93	7	5	2	
31	12	32.6	21.1	0.93	7	3	3	
	14	34.3	19,9	1.17	8	0	3	
	15	33.9	22.3	0.94	6	5	3	

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	1.0	1.0	1.0	1.0	0.4			8.8	10.3	85
2			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			8.8	10.3	85
3			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.1			8.1	10.4	78
4			0.1	0.1	0.9	0.8	1.0	1.0	1.0	1.0	1.0	0.7			7.6	10.4	73
5			0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			8.6	10.4	83
6					0.5	1.0	1.0	1.0	0.9	0.9	1.0	0.3			6.6	10.4	64
7															0.0	10.5	00
8			0.3	1.0	0.7	0.3	1.0	1.0	1.0	1.0	1.0	0.6			7.9	10.5	75
9				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.0	10.5	86
10			0.3	1.0	1.0	1.0	1.0	1.0	1.0	0.2					6.5	10.6	61
11			0.2	0.5	0.9	1.0	1.0	0.5	1.0	1.0	0.4				6.5	10.6	61
12					0.3	0.3	0.8	0.6	0.8	0.7	0.4				3.9	10.6	37
13					0.2	0.7	0.8	0.6	0.2	0.2	0.3				3.0	10.7	28
14							0.9	1.0	1.0	1.0	1.0				4.9	10.7	46
15							0.1	0.5			0.3				0.9	10.7	08
16															0.0	10.8	00
17			0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.1	10.8	84
18			0.2	0.7	0.1	0.6		0.1							1.7	10.8	16
19			0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7				7.9	10.8	73
20															0.0	10.9	00
21															0.0	10.9	00
22				0.2	0.1	0.2	0.8	0.3	0.4	0.3	0.6				2.9	10.9	27
23			0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	1.0			8.9	11.0	81
24			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.3			8.2	11.0	74
25			0.3	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.6	0.3			7.7	11.0	70
26				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4		9.4	11.1	85
27			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		9.6	11.1	86
28			0.6	1.0	1.0	1.0	1.0	0.7	0.4						5.7	11.1	51
29			0.1	0.1		0.2		1.0	1.0	0.4	0.2				3.0	11.2	27
30										0.1		0.1			0.2	11.2	02
31					0.4	1.0	1.0	0.6	0.5	0.2	0.8	0.1			4.6	11.3	41
Medias			0.1	0.5	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.3	0.0		5.5	10.8	51

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	6.0	10.6	9.6	6.6	8.7	9.4	6.0	6.4	7.4	7.4	7.0	7.4	-	-	-
2	7.6	11.6	12.4	7.6	9.7	10.6	6.6	7.2	8.0	6.4	7.4	8.0	-	-	-
3	10.5	13.4	13.1	10.1	11.4	12.0	8.1	8.6	9.2	8.2	8.6	9.2	-	-	-
4	11.2	13.6	13.2	10.9	12.0	12.4	9.1	9.2	9.8	9.2	9.3	9.6	-	-	-
5	11.2	14.2	14.0	11.0	12.3	12.9	9.3	9.5	10.3	9.6	9.8	10.0	-	-	-
6	13.0	16.3	15.6	12.4	13.8	14.4	10.4	10.7	11.8	10.4	10.5	10.8	-	-	-
7	13.3	14.7	14.0	13.0	13.5	13.5	11.2	11.0	11.5	11.3	11.1	11.4	-	-	-
8	13.7	17.1	16.8	13.1	14.7	15.5	11.0	11.6	12.4	11.1	11.2	11.6	-	-	-
9	15.4	17.0	14.7	14.9	15.4	15.0	12.4	12.5	12.0	12.2	12.3	12.7	-	-	-
10	12.1	14.7	15.1	12.4	13.4	14.2	11.4	11.4	12.0	12.0	11.6	12.0	-	-	-
11	15.0	18.3	17.5	14.4	16.0	16.4	12.0	12.7	13.4	12.1	12.3	13.0	-	-	-
12	16.2	18.6	17.5	15.5	16.5	16.7	13.4	13.6	14.0	13.3	13.3	12.5	-	-	-
13	15.7	17.8	16.6	15.4	16.3	16.0	15.4	13.6	13.7	13.6	13.5	13.7	-	-	-
14	15.3	17.3	17.1	15.0	15.8	16.2	13.2	13.1	13.7	13.3	13.2	13.5	-	-	-
15	16.0	17.0	15.4	15.4	15.8	15.3	13.8	13.6	13.6	13.9	13.8	13.7	-	-	-
16	14.0	12.2	11.2	13.9	12.7	11.8	12.8	12.0	11.0	13.2	12.8	12.2	-	-	-
17	9.4	13.3	11.8	10.4	12.2	12.2	9.8	10.0	10.6	11.0	11.0	11.0	-	-	-
18	10.3	12.8	12.4	10.8	11.8	12.2	10.0	10.0	10.3	11.0	10.8	11.0	-	-	-
19	11.6	15.4	14.6	11.6	13.4	13.8	10.3	10.7	11.8	10.6	11.0	11.5	-	-	-
20	11.2	12.4	12.7	12.3	12.4	12.4	11.0	10.8	10.7	11.6	11.2	11.4	-	-	-
21	11.2	11.8	12.0	11.3	11.7	11.8	10.2	10.2	10.2	11.0	10.6	10.8	-	-	-
22	11.8	13.8	12.8	11.7	12.5	12.7	10.2	10.5	10.7	10.6	10.7	11.1	-	-	-
23	9.6	12.7	11.6	10.5	11.8	11.6	10.0	10.0	10.4	10.8	10.4	10.3	-	-	-
24	9.1	13.2	11.6	10.0	11.7	11.7	9.4	9.4	10.0	10.4	10.0	10.3	-	-	-
25	10.4	14.0	12.2	10.5	12.3	12.2	9.5	9.6	10.4	10.4	10.1	10.6	-	-	-
26	10.2	13.7	11.3	10.5	12.2	11.7	9.4	9.8	10.0	10.4	10.2	10.3	-	-	-
27	8.0	12.6	10.8	9.2	11.4	11.2	8.8	9.0	9.6	10.0	9.4	10.2	-	-	-
28	9.0	12.2	11.5	9.6	11.2	11.4	9.0	9.0	9.4	10.0	9.6	10.0	-	-	-
29	11.2	14.2	13.4	10.8	12.4	12.6	9.6	10.0	10.4	10.2	10.4	10.6	-	-	-
30	12.8	14.2	14.2	12.1	12.6	13.3	10.4	10.8	11.1	10.8	10.9	11.2	-	-	-
31	13.0	17.3	14.9	12.5	14.3	14.2	10.8	11.3	11.8	11.2	11.3	11.6	-	-	-
Prom.	11.8	14.4	13.6	11.8	13.0	13.1	10.5	10.6	11.0	10.9	10.8	11.1	-	-	-

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					1	0.0	1.0	0.7	1.8							10267
2	0.0	0.1	0.0	0.0	1	0.1	0.9	0.9	3.0							10265
3					1	1.2	1.4	1.0	4.1							10261
4					0	1.7	1.3	1.0	4.1							10258
5					0	1.8	2.4	2.3	6.3	C. 8	23.1	21.3	25.6			10234
6					0	1.6	1.5	0.7	2.7							10233
7					0	0.5	0.6	0.5	1.6							10245
8					0	0.5	3.0	3.1	7.9							10232
9					0	1.8	2.0	1.1	3.2							10233
10					0	0.1	2.1	1.3	4.9	C. 9	21.1	18.6	24.9			10243
11					0	2.5	3.2	2.4	8.0							10232
12					0	2.4	2.2	1.0	3.4							10232
13					0	0.2	0.6	0.4	1.0							10231
14					0	0.0	0.4	1.6	2.9							10230
15					0	0.9	1.0	1.0	3.3	C.10	18.2	18.7	24.2			10229
16	21.8	23.0	19.6	18.7	0	1.3	0.1	0.2	0.6							10229
17					2	0.3	0.7	0.7	1.9							10244
18					2	0.5	0.9	0.5	1.7							10228
19					2	0.3	1.2	1.2	3.3	C.11	21.7	21.8	26.5	21.5		10191
20					1	1.1	0.6	0.5	1.4							10197
21	0.0	0.3	0.0	0.0	1	0.3	0.7	0.3	1.0							10191
22					1	0.0	0.8	0.8	2.3							10171
23					1	0.7	1.4	1.5	4.7							10211
24					0	1.8	2.2	1.7	7.0							10234
25					0	3.1	2.4	1.4	5.0							10212
26					0	1.2	2.0	1.4	3.7	C.12	18.6	19.4	24.7			10243
27					0	0.3	1.6	1.3	3.6							10254
28					0	0.7	1.2	0.6	2.0							10245
29	0.0	0.0	0.0	0.0	0	0.2	0.8	0.5	1.8							10226
30	0.2	0.2	0.0	0.0	1	0.5	0.2	0.3	0.7	C.13	17.8	18.3	25.1			10221
31					1	0.2	0.5	0.5	1.2							10216
Prom.	22.0	23.6	19.6	18.7	-	0.9	1.3	1.1	3.3	-	-	-	-	-	-	10230

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		
-	-	-	11.4	11.6	11.6	15.2	17.3	- 5.6	Ca. m. t. y n., h. Ne. m., r. Ne. n.
-	-	-	11.4	11.6	11.6	15.2	17.3	- 1.3	Ca. m. t. y n., Ns. Ne. m., Ne. t., h. m.
-	-	-	11.6	11.6	11.5	15.1	17.2	8.4	Ca. m., Cn. t y n., Ne. t., Tv. n.
-	-	-	11.7	11.7	11.8	15.1	17.2	6.9	Cn. m., Ca. t. y n., Ne. t.
-	-	-	11.7	11.9	11.8	15.0	17.2	6.8	Cn. m. y n., Ca. t., r. m., Ne. m. y n., B. t.
-	-	-	12.0	12.0	12.1	15.0	17.2	10.7	Cn. m. y t., Ca. n., Ne. m. t. y n.
-	-	-	12.2	12.2	12.2	15.0	17.2	9.0	Cn. m. y t., Ca. n., Ne. m. t. y n.
-	-	-	12.4	12.5	12.6	15.0	17.2	11.2	Cn. m., Ca. t. y n., Ne. m., B. t.
-	-	-	12.6	12.7	12.7	15.0	17.2	12.7	Cn. m., Ca. t. y n., r. n.
-	-	-	12.9	13.0	12.9	15.0	17.2	1.2	Cn. m. y t., Ca. n., r. m., B. t.
-	-	-	13.1	13.2	13.2	15.0	17.1	14.2	Cn. m. y t., Ca. n., Ne. m., B. t.
-	-	-	13.2	13.4	13.3	15.0	17.1	14.2	Cn. m. t. y n., Ne. m. t. y n., B. t.
-	-	-	13.5	13.5	13.6	15.0	17.1	11.1	Cn. m. t. y n., Ne. m. t. y n.
-	-	-	13.7	13.7	13.7	15.0	16.9	11.8	Cn. m. t. y n., N. m., Ne. m. y t.
-	-	-	13.9	14.0	14.0	15.0	16.9	13.7	Cn. m. t. y n., N. m.
-	-	-	14.1	14.1	14.1	15.0	16.9	8.3	Cn. m. t. y n., Ru. LL. m., LL. Z. t. y n.
-	-	-	14.0	14.1	14.0	15.0	16.7	- 1.8	Ca. m. t. y n., r. Jl. Dl. n., h. m.
-	-	-	13.9	14.0	13.9	15.0	16.7	1.5	Cn. m. t. y n., r. m.
-	-	-	14.0	14.0	14.0	15.0	16.8	4.9	Cn. m. t. y n., r. m., Jl. Dl. n.
-	-	-	13.9	13.9	13.9	15.0	16.7	6.2	Cn. m. t. y n., Ne. t., r. n., Dl. n.
-	-	-	13.9	13.9	13.9	15.1	16.7	1.2	Ca. m., Cn. t. y n., Ne. m. t. y n., Z. t. y n.
-	-	-	13.9	13.9	13.9	15.3	16.7	9.6	Ca. m., Cn. t. y n.
-	-	-	13.7	13.7	13.7	15.3	16.6	- 4.8	Ca. m. y t., Cn. n., h. m.
-	-	-	13.7	13.7	13.7	15.3	16.6	- 4.1	Ca. m. y n., Cn. t., h. m., Jl. Dl. n.
-	-	-	13.7	13.7	13.7	15.2	16.7	3.7	Ca. m., Cn. t. y n., Jl. Dl. n., B. t.
-	-	-	13.5	13.6	13.5	15.3	16.6	- 2.0	Cn. m., Ca. t. y n., h. m., r. n., S. n.
-	-	-	13.4	13.4	13.4	15.2	16.7	- 6.3	Ca. m. t. y n., h. m., Ne. m., B. t., r. n.
-	-	-	13.4	13.4	13.4	15.2	16.6	-	Ca. m., Cn. t. y n., Ne. m. y t.
-	-	-	13.5	13.4	13.4	15.2	16.7	5.6	Cn. m. t. y n., Ne. m. t. y n.
-	-	-	13.4	13.4	13.4	15.2	16.6	8.7	Cn. m. t. y n., Z. m. y t., N. n.
-	-	-	13.4	13.4	13.4	15.2	16.6	6.2	Cn. m. t. y n., N. m., Ne. t. y n.
-	-	-	13.1	13.2	13.2	15.1	16.9	5.4	

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	60.6	67.9	2	10	51.3	8	16	14.8	21.1	8.3	28.7	8	14-15	- 1.7	1	6,7	7.2	10.4	69
2ª	57.1	66.1	17	9,10	45.7	19	19	14.0	19.0	9.9	29.4	11	12-13	2.6	17	7	3.8	10.7	35
3ª	59.9	72.3	27	8	42.4	22	8	10.3	15.4	4.5	19.3	31	13-14	- 3.3	27	7	5.5	11.1	49
MES	59.3	72.3	27	8	42.4	22	8	12.9	18.4	7.4	29.4	11	12-13	- 3.3	27	7	5.5	10.8	51

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	77	100	varios	37	9	9.4	15.0	3.8	NE	16	108	5	37	5	11-12	30	NE	3,4	8.21 21.32	0.1	0.1	2	-	-	-
2ª	82	100	varios	42	11	9.7	16.0	5.0	N	18	84	11	30	11	8-9	37	N,S	11. 16	7.48 18.52	23.0	23.0	16	0.7	16	10-11
3ª	72	100	varios	25	24	6.8	13.0	3.0	E	10	96	23. 25	33	25	3-4	42	W	23	11.46 12.07	0.5	0.3	21	-	-	-
MES	77	100	varios	25	24	8.6	16.0	3.0	E	9	108	5	37	5	11-12	42	W	23	11.46 12.07	23.6	23.0	16	0.7	16	10-11

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	8	1	1	-	-	-	-	-	-	-	-	-	-	-	1
2ª	4	2	5	2	-	-	-	1	1	-	-	-	-	-	-	1	-
3ª	8	2	5	2	-	-	-	-	2	-	-	-	-	-	1	-	-
MES	16	6	18	5	1	-	-	1	3	-	-	-	-	-	1	1	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	-	-	-	-	-	-	-	-	-	-	3	1	1	1	-
2ª	1	-	-	-	-	-	2	-	2	-	-	1	8	-	2	-
3ª	1	-	-	-	-	-	3	-	2	-	-	2	5	1	-	-
MES	6	-	-	-	-	-	5	-	4	-	-	6	14	2	3	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VIII SETIEMBRE 1953 Nº 9

RESUMEN MENSUAL

En los dos primeros días del mes continúa la afluencia de aire tropical que empezó en los últimos días de agosto. Temperatura y humedad siguen en ascenso en forma marcada, de modo que el 2 es el día más caluroso y húmedo del mes (promedio diario de la temperatura 19.1°C y de la tensión del vapor 14.2 mmHg). Al mismo tiempo la presión baja al valor mínimo mensual, 744.9 mmHg. El día siguiente una corriente de aire fresco desplaza al aire tropical y hasta el fin de la década se mantiene la advección de aeromasas desde el sector sudeste; esto motiva tiempo inestable y húmedo con nubosidad elevada y temperaturas que difieren poco de la normal.

Al principio de la segunda década se establece una corriente del norte que aporta aire tropical. Temperatura y humedad suben en forma pronunciada y el día 13 esos dos elementos alcanzan sus niveles más altos del mes con 26.8°C y 17.8 mmHg respectivamente. Por la tarde de este mismo día llega una corriente de aire fresco desde el sud hasta el Río de la Plata que produce una brusca caída de temperatura y humedad absoluta. Continuando el aporte de aire más y más frío la temperatura sigue bajando en los días siguientes hasta el 16, fecha en que alcanza el valor mínimo mensual con 2.6°C. Al mismo tiempo se desplaza un anticiclón frío desde el sud hacia el noreste y al pasar su centro sobre el Río de la Plata sube la presión atmosférica el 17 al máximo mensual con 767.5 mmHg. El 18 el viento gira al norte pero sólo por un día, ya que por la tarde del 19 pasa otro empuje de aire frío y seco por el Observatorio y la década termina con tiempo bueno.

En esta aeromasa, el día 21 registra la humedad mínima mensual con 3.6 mmHg de tensión de vapor y con 19% de humedad relativa. En una zona de inestabilidad caen lluvias el 22 y a pesar del pasaje de un frente frío se mantiene el tiempo inestable hasta el 25. En este día llega al Río de la Plata una corriente intensa de aire fresco y seco, proveniente del oeste. El cielo aclara rápidamente y en los dos días siguientes reina tiempo bueno y fresco. Por la tarde del 28 se registra en el Observatorio el último empuje de aire frío y hasta fin del mes se mantiene el aflujo del sector sudeste con condiciones térmicas e higrométricas normales para el principio de la primavera.

Excepto las lluvias que alcanzan sólo la cuarta parte de la normal y la presión atmosférica, que es por 3 mmHg más bajo que el término medio, los otros elementos no acusan variaciones mayores en sus promedios normales.

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	124	117	159	124	117	233	297	246	138	138	131	104	124	131
2	28	28	41	48	69	69	90	97	83	-167	- 55	14	69	97	76
3	55	69	76	83	69	83	83	83	97	117	138	138	110	97	97
4	83	110	131	166	117	131	152	179	152	124	124	138	104	138	200
5	124	21	62	34	69	104	124	90	69	124	28	21	- 48	±∞	97
6	83	124	259	193	124	83	124	138	179	124	97	104	97	97	117
7	-	-	-	-	-	-	-	166	117	110	104	97	97	138	124
8	117	110	110	104	62	41	69	117	226	272	284	138	97	220	304
9	62	28	48	62	90	124	138	233	207	166	138	110	110	97	97
10	62	41	48	- 28	48	48	159	179	252	48	48	83	145	207	172
11	62	62	69	69	83	97	131	239	350	304	220	159	152	152	159
12	69	138	±∞	97	110	110	104	97	97	90	90	83	76	83	83
13	62	48	55	55	48	48	48	62	55	55	62	21	28	41	-454
14	166	14	69	69	76	34	62	138	69	97	76	62	69	69	90
15	159	166	110	152	110	90	104	179	131	34	186	138	69	69	124
16	83	69	76	104	124	152	138	152	110	110	124	131	117	124	131
17	76	83	97	83	90	83	124	124	83	83	83	97	90	117	97
18	76	76	76	69	62	41	55	48	48	55	83	69	69	34	55
19	48	55	55	48	55	55	41	62	- 28	55	55	193	- 28	- 21	- 62
20	76	83	90	62	83	90	124	138	152	138	45	138	131	104	104
21	55	69	62	55	48	48	90	166	124	233	233	145	131	97	90
22	90	69	69	62	69	55	55	±∞	±∞	-	62	179	131	104	97
23	55	104	110	83	90	117	152	233	347	605	259	186	76	62	69
24	62	55	69	-	69	69	138	138	- 34	138	124	117	83	83	90
25	-	-	-	-	-	-	- 41	207	159	104	83	83	90	83	83
26	76	62	69	69	62	62	83	97	110	124	117	104	69	34	55
27	110	90	90	110	76	-	-	304	226	145	138	104	110	76	55
28	41	55	69	62	55	55	97	97	83	76	90	110	104	83	138
29	-	-	-	-	-	-	-	124	166	145	213	186	200	193	159
30	41	41	28	28	41	34	69	48	83	90	83	83	97	117	110
31															
Prom.	75.4	86.0	85.5	90.9	84.8	88.1	118.3	152.5	156.4	165.8	141.0	127.5	101.5	97.6	109.4

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	0.55	0.54	1.09	1.02	253	352	605	0.72	1.52	1.07
2	0.88	0.86	1.74	1.02	411	389	800	1.06	1.50	1.55
3	0.91	0.89	1.80	1.02	695	704	1399	0.99	0.92	0.89
4	0.62	0.57	1.19	1.09	418	483	901	0.87	1.04	0.83
5	0.83	0.84	1.67	0.99	472	498	970	0.94	1.23	1.18
6	0.91	0.80	1.71	1.13	470	384	854	1.22	1.35	1.46
7	0.73	0.66	1.39	1.10	436	407	843	1.07	1.17	1.18
8	0.45	0.41	0.86	1.09	236	212	448	1.11	1.33	1.35
9	0.59	0.55	1.14	1.07	359	319	678	1.12	1.15	1.21
10	0.43	0.43	0.86	1.00	224	216	440	1.04	1.34	1.40
11	0.56	0.50	1.06	1.12	380	-	-	-	1.03	-
12	0.91	0.87	1.78	1.05	460	1031	1491	0.45	1.38	0.59
13	0.91	0.93	1.84	0.98	582	555	1137	1.05	1.09	1.17
14	0.87	0.85	1.72	1.02	655	662	1317	0.99	0.93	0.90
15	0.85	0.82	1.67	1.04	475	304	779	1.56	1.25	1.88
16	0.83	0.76	1.59	1.09	493	764	1257	0.65	1.18	0.69
17	0.67	0.70	1.37	0.96	544	688	1232	0.79	0.86	0.71
18	0.84	0.88	1.72	0.95	643	806	1449	0.80	0.91	0.76
19	0.82	0.80	1.62	1.02	510	489	999	1.04	1.12	1.14
20	1.07	1.04	2.11	1.03	761	-	-	-	0.98	-
21	0.79	0.79	1.58	1.00	530	833	1363	0.64	1.04	0.66
22	1.04	0.92	1.96	1.13	600	733	1333	0.82	1.21	0.88
23	0.80	0.72	1.52	1.11	406	409	815	0.99	1.38	1.23
24	0.68	0.66	1.34	1.03	427	-	-	-	1.12	-
25	0.96	0.93	1.89	1.03	635	-	-	-	1.06	-
26	1.06	1.09	2.15	0.97	771	1034	1805	0.75	0.96	0.74
27	0.73	0.74	1.47	0.99	471	565	1036	0.83	1.18	0.92
28	0.74	0.74	1.48	1.00	462	357	819	1.29	1.12	1.45
29	0.57	0.61	1.18	0.94	347	340	687	1.02	1.15	1.26
30	0.84	0.86	1.70	0.98	430	419	849	1.03	1.36	1.43
31										
Prom.	0.78	0.76	1.54	1.03	485	515	1000	0.94	1.13	1.03

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
117	131	104	97	138	90	41	41	34	127.4	368	- 55	423	1
69	104	69	76	14	34	55	41	41		622	-824	1446	2
97	117	110	159	166	138	110	90	97	103.3	179	48	131	0
213	207	207	233	131	110	41	76	131	141.6	350	-239	589	1
14	152	104	124	179	207	179	145	97		∞	-∞	-	3*
138	138	124	-	-	-	-	-	-		316	28	288	0*
28	368	259	104	- 97	159	62	21	90		622	-794	1416	2*
259	55	-152	90	239	90	97	90	62		506	-454	960	2
97	83	97	69	-	-	-	-	76		316	7	309	0*
159	62	110	- 28	- 90	152	152	166	90		728	-586	1314	2
138	131	200	193	159	97	117	97	76	146.5	449	21	428	0
104	110	124	174	172	124	97	62	55		722	-970	1692	1*
272	55	62	62	69	69	83	97	110		740	-740	1480	2
97	97	97	90	83	69	76	90	97		728	-304	1032	2
138	41	21	34	41	34	41	62	97	97.1	397	-174	571	1
110	97	83	193	200	213	124	90	69	121.8	259	34	225	0
110	176	145	152	152	104	104	83	83	105.0	220	55	165	0
124	124	124	83	83	76	55	41	34	69.2	220	- 55	275	1
14	62	104	14	7	7	41	69	83		495	-548	1043	2
97	97	76	69	90	104	62	69	55	94.9	193	28	165	0
104	110	152	145	186	152	97	90	83	115.2	297	21	276	0
104	104	90	97	110	90	83	69	62		∞	-∞	-	3*
69	69	62	138	213	193	131	83	90	149.8	728	00	728	0
62	97	97	131	186	124	117	±∞	±∞		∞	-∞	-	3*
83	83	90	90	83	90	41	48	48		∞	-∞	-	3*
62	69	83	83	69	69	76	76	69	77.0	152	14	138	0
41	62	90	76	97	76	90	83	69		483	14	469	0*
104	97	117	76	55	-	-	-	-		239	00	239	0*
220	138	90	90	117	90	62	55	48		345	14	331	0*
117	90	124	145	193	179	138	193	166	97.4	345	- 41	386	1
115.1	112.2	114.7	132.6	140.1	119.9	87.5	83.9	83.4	111.2				

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^-		
7684	7884	15568	0.98	4.65	24,250
6284	4371	10655	1.44	-	13,750
5834	6390	12224	0.91	6.20	12,750
10762	10426	21188	1.03	5.60	11,000
6163	5794	11957	1.06	-	21,750
6090	6091	12181	1.00	-	3,500
8002	6577	14579	1.22	-	10,750
13997	14465	28462	0.97	-	24,000
9193	10251	19444	0.90	-	17,500
14285	11081	25366	1.29	-	-
9273	9272	18545	1.00	5.18	24,250
3848	4299	8147	0.90	-	36,250
1539	2434	3973	0.63	-	43,250
-	-	-	-	-	75,750
9208	8300	17508	1.11	5.72	52,250
10502	8673	19175	1.21	6.47	-
6393	7247	13640	0.88	4.85	21,250
5126	4861	9987	1.05	3.96	20,500
6984	4226	11200	1.65	-	10,000
5311	5827	11138	0.91	6.68	23,750
10161	8486	18647	1.20	6.08	17,750
6538	4486	11024	1.46	-	10,250
9612	11801	21413	0.81	7.60	10,500
6503	7475	13978	0.87	-	19,000
64 7	4373	10840	1.48	-	15,250
7740	5534	13274	1.40	7.17	28,250
10940	7999	18939	1.37	-	-
11785	9010	20795	1.31	-	35,500
11403	10465	21868	1.09	-	-
9499	9225	19424	1.03	5.50	27,250
8339	7761	16100	1.07	5.82	23,471

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	0.38	0.50	0.40	0.41	0.46	0.44	0.58	0.40	0.35	0.49	0.52	0.57
2	0.82	0.97	0.94	0.92	0.89	0.77	0.97	0.68	0.86	0.50	0.58	0.80
3	1.10	1.12	1.27	1.16	1.00	0.99	0.97	1.14	0.97	0.84	0.67	0.70
4	0.92	0.86	0.86	0.78	0.70	0.50	0.37	0.49	0.74	0.80	0.74	0.66
5	0.90	1.05	1.12	0.89	0.92	0.88	0.86	0.90	0.69	0.69	0.72	0.48
6	-	-	-	-	-	-	-	1.02	1.10	1.27	1.42	1.28
7	0.35	0.48	0.65	0.76	0.72	0.90	0.90	0.77	0.84	0.93	0.94	1.01
8	0.45	0.63	0.68	0.52	0.38	0.48	0.57	0.52	0.77	0.39	0.36	0.40
9	0.26	0.31	0.60	0.58	0.35	0.31	0.40	0.47	0.80	0.78	0.68	0.84
10	-	-	-	-	-	-	-	-	0.50	0.40	0.51	0.60
11	0.57	0.60	0.61	0.37	0.44	0.59	0.42	0.58	0.34	0.59	0.58	0.49
12	1.07	0.92	0.56	0.79	0.92	1.07	1.18	1.07	0.92	0.97	0.87	0.87
13	-	-	-	-	-	-	-	0.95	0.96	0.90	0.88	0.87
14	0.52	0.56	0.78	1.06	1.06	1.06	1.06	0.62	1.16	0.98	0.75	0.84
15	-	-	-	-	-	-	-	-	0.78	0.73	0.58	0.66
16	0.58	0.78	0.98	0.92	1.00	0.78	1.22	0.66	0.84	0.89	0.80	0.70
17	-	-	-	-	-	-	-	-	0.54	0.44	0.52	0.60
18	0.92	1.07	1.28	1.16	0.85	0.86	0.94	0.98	0.86	0.79	0.70	0.66
19	1.02	1.03	0.98	0.82	0.86	0.86	0.82	0.82	0.69	0.59	1.08	0.23
20	1.35	1.46	1.48	1.61	1.32	1.24	0.95	1.28	1.27	0.95	0.93	0.74
21	1.14	0.96	1.00	1.24	1.25	1.25	0.98	0.76	0.72	0.48	0.55	0.50
22	-	-	-	-	-	-	-	-	-	-	-	-
23	1.44	0.76	0.80	0.95	0.97	0.76	1.76	0.84	0.48	0.43	0.45	0.50
24	-	-	-	-	-	-	-	0.50	0.50	0.61	0.71	0.69
25	0.66	0.78	0.99	0.82	0.49	0.48	0.82	0.64	1.00	1.22	1.26	1.20
26	1.30	1.22	1.19	1.42	1.38	1.20	1.14	1.02	0.95	0.91	0.86	0.87
27	-	-	-	-	-	-	-	0.34	0.52	0.68	0.73	0.49
28	1.06	1.06	0.90	1.06	1.12	1.15	0.72	0.86	0.74	0.79	0.70	0.50
29	1.02	1.07	0.87	0.70	0.38	0.62	0.56	0.72	0.37	0.37	0.36	0.36
30	0.69	0.65	0.48	1.06	1.30	1.79	1.48	1.17	0.79	0.80	0.75	0.77
31												
Promedio	0.84	0.86	0.88	0.91	0.85	0.86	0.89	0.78	0.76	0.73	0.73	0.68

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	0.40	0.46	0.39	0.39	0.44	0.46	0.48	0.39	0.36	0.46	0.52	0.55
2	0.92	0.95	0.87	0.83	0.76	0.72	0.76	0.65	0.79	0.56	0.62	0.77
3	1.12	1.02	1.21	1.16	1.09	0.98	0.90	1.04	1.13	0.93	0.79	0.78
4	0.84	0.57	0.48	0.48	0.64	0.46	0.40	0.51	0.70	0.84	0.73	0.66
5	0.90	1.14	1.24	1.00	0.90	0.94	0.80	0.84	0.70	0.66	0.69	0.50
6	-	-	-	-	-	-	-	0.93	0.95	1.07	1.35	1.18
7	0.36	0.40	0.66	0.66	0.62	0.72	0.64	0.58	0.82	0.84	0.92	0.96
8	0.46	0.60	0.51	0.37	0.46	0.46	0.44	0.44	0.37	0.34	0.39	0.42
9	0.25	0.34	0.60	0.44	0.34	0.29	0.37	0.42	0.70	0.66	0.77	0.80
10	-	-	-	-	-	-	-	-	0.46	0.42	0.52	0.52
11	0.50	0.46	0.48	0.40	0.44	0.48	0.52	0.46	0.36	0.40	0.42	0.42
12	1.09	1.34	0.56	0.84	0.84	0.93	0.88	0.97	0.95	0.95	0.86	0.88
13	-	-	-	-	-	-	-	1.00	1.02	0.92	0.92	0.95
14	0.42	0.73	0.72	1.10	1.09	1.14	1.06	0.88	0.83	1.00	0.82	0.96
15	-	-	-	-	-	-	-	-	0.71	0.70	0.58	0.62
16	0.48	0.68	0.76	0.72	0.80	0.96	1.18	0.46	0.80	0.78	0.72	0.70
17	-	-	-	-	-	-	-	-	0.55	0.48	0.62	0.64
18	1.09	1.24	1.19	1.18	0.89	1.14	1.02	0.97	0.87	0.84	0.78	0.74
19	1.09	1.02	0.94	0.90	0.80	0.89	0.80	0.74	0.73	0.74	0.91	0.34
20	1.41	1.30	1.38	1.48	0.91	1.08	0.90	1.22	1.21	1.00	0.94	0.93
21	1.08	0.83	1.03	1.15	1.12	1.05	0.74	0.74	0.74	0.59	0.64	0.58
22	-	-	-	-	-	-	-	-	-	-	-	-
23	1.27	0.60	0.67	0.73	0.74	1.20	1.18	0.50	0.40	0.40	0.46	0.60
24	-	-	-	-	-	-	-	0.34	0.54	0.69	0.72	0.73
25	0.57	0.94	0.27	0.90	0.50	0.69	0.87	0.46	1.02	1.22	1.25	1.22
26	1.06	1.36	1.36	1.41	1.28	1.33	1.18	1.00	0.97	0.88	0.88	0.90
27	-	-	-	-	-	-	-	0.46	0.55	0.72	0.70	0.55
28	1.16	0.98	1.00	1.14	1.06	1.06	0.62	0.70	0.82	0.80	0.64	0.50
29	1.06	1.07	0.86	0.62	0.40	1.08	0.64	0.76	0.30	0.41	0.41	0.39
30	0.64	0.62	0.55	1.12	1.66	2.08	1.70	1.47	0.76	0.80	0.77	0.74
31												
Promedio	0.82	0.85	0.80	0.86	0.81	0.92	0.82	0.73	0.73	0.73	0.74	0.71

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
0.74	0.71	0.57	0.42	0.42	0.58	0.59	0.50	0.55	0.86	0.88	0.88	0.55
0.69	0.63	0.72	0.74	0.75	0.69	0.62	0.90	1.37	1.36	1.37	1.46	0.88
0.72	0.87	0.95	0.96	0.86	1.03	0.77	0.74	0.62	0.74	0.74	0.84	0.91
0.68	0.69	0.66	0.50	0.44	0.42	0.42	0.40	0.37	0.38	0.72	0.80	0.62
1.02	0.84	0.84	0.45	-	-	-	-	-	-	-	-	0.83
1.34	1.20	1.12	1.07	1.26	0.90	0.48	0.37	0.42	0.40	0.36	0.40	0.91
1.01	0.77	1.12	0.85	0.58	0.35	0.40	0.50	0.41	0.63	0.90	0.69	0.73
0.36	0.37	0.40	0.37	0.61	0.58	0.50	0.37	0.34	0.25	0.24	0.28	0.45
0.62	0.89	0.92	0.64	0.70	0.58	0.53	0.55	-	-	-	-	0.59
0.47	0.56	0.46	0.42	0.34	0.47	0.34	0.31	0.31	0.33	0.39	0.50	0.43
0.42	0.42	0.61	0.66	0.66	0.62	0.55	0.58	0.66	0.64	0.59	0.84	0.56
0.90	1.00	0.92	1.02	0.88	1.00	0.61	0.78	0.72	-	-	-	0.91
0.88	0.87	0.72	1.22	1.05	1.10	1.02	1.04	0.96	0.82	0.64	0.64	0.91
0.93	0.78	0.76	0.80	0.80	1.10	0.91	0.80	0.99	-	-	-	0.87
0.70	0.79	0.66	0.58	0.64	1.07	1.13	1.15	1.23	1.23	1.00	0.70	0.85
0.80	0.77	0.76	0.79	0.90	-	-	-	-	-	-	-	0.83
0.55	0.60	0.77	0.72	0.54	0.63	0.61	0.61	0.70	0.88	0.99	1.05	0.67
0.54	0.63	0.77	0.84	0.71	0.72	0.74	0.78	0.74	0.82	0.89	1.04	0.84
0.68	0.56	0.61	0.80	0.82	0.79	0.60	0.44	0.96	1.22	1.08	1.23	0.82
0.82	0.82	0.84	0.97	1.14	1.27	1.06	0.69	0.72	0.92	0.92	1.02	1.07
0.52	0.53	0.64	0.66	0.54	0.58	0.69	-	-	-	-	-	0.79
1.23	0.98	1.27	1.04	0.96	1.02	0.98	0.79	0.99	0.93	1.12	1.24	1.04
0.76	0.63	0.70	0.70	0.68	0.72	-	-	-	-	-	-	0.80
0.79	0.79	0.94	0.87	0.82	0.78	0.62	0.45	0.47	0.68	0.72	0.54	0.68
1.12	1.10	1.14	1.04	0.97	0.96	1.02	0.97	0.86	1.06	1.23	1.30	0.96
0.79	0.94	0.92	0.94	1.00	0.97	-	-	-	-	-	-	1.06
0.64	0.82	0.80	0.87	0.94	0.86	0.99	0.75	0.80	0.77	0.66	0.74	0.73
0.44	0.42	0.39	0.45	0.37	0.43	0.43	0.68	0.74	0.87	0.90	0.92	0.74
0.50	0.47	0.50	0.53	0.55	0.60	0.66	0.40	0.40	0.48	0.58	0.64	0.57
0.61	0.58	0.59	0.60	0.45	0.57	0.54	0.56	1.14	1.14	1.13	0.53	0.84
0.74	0.73	0.77	0.75	0.74	0.76	0.68	0.64	0.73	0.79	0.82	0.83	0.78

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	0.68	0.53	0.44	0.44	0.60	0.58	0.46	0.60	0.84	0.95	0.80	0.54
0.64	0.62	0.66	0.74	0.68	0.66	0.67	1.28	1.36	1.28	1.44	1.44	0.86
0.78	0.95	1.06	0.98	0.82	0.90	0.60	0.60	0.64	0.64	0.62	0.66	0.89
0.73	0.70	0.64	0.46	0.41	0.41	0.41	0.41	0.39	0.44	0.72	0.76	0.57
1.14	0.90	0.60	0.44	-	-	-	-	-	-	-	-	0.84
1.18	1.16	1.11	1.02	0.88	0.53	0.37	0.37	0.42	0.37	0.36	0.36	0.80
1.04	0.66	0.92	0.82	0.46	0.30	0.42	0.52	0.39	0.66	0.92	0.55	0.66
0.37	0.46	0.39	0.37	0.66	0.57	0.39	0.34	0.32	0.22	0.22	0.25	0.41
0.70	0.84	0.84	0.60	0.55	0.46	0.42	0.62	-	-	-	-	0.55
0.50	0.48	0.48	0.42	0.32	0.44	0.36	0.32	0.37	0.37	0.37	0.48	0.43
0.40	0.44	0.62	0.72	0.66	0.48	0.44	0.48	0.64	0.57	0.57	0.78	0.50
0.88	0.97	1.02	0.84	0.83	0.74	0.64	0.60	0.69	-	-	-	0.87
1.00	0.86	1.18	1.10	1.16	1.11	0.98	0.95	0.80	0.69	0.60	0.52	0.93
0.96	0.82	0.69	0.78	0.76	0.92	0.73	0.66	-	-	-	-	0.85
0.67	0.76	0.62	0.60	0.62	1.02	1.12	1.18	1.31	1.21	0.85	0.64	0.82
0.79	0.74	0.76	0.76	0.84	-	-	-	-	-	-	-	0.76
0.57	0.66	0.86	0.76	0.58	0.68	0.58	0.62	0.69	0.87	0.97	1.06	0.70
0.60	0.76	0.87	0.84	0.69	0.66	0.73	0.80	0.72	0.78	0.92	0.94	0.88
0.66	0.44	0.45	0.56	0.77	0.69	0.73	0.47	1.02	1.24	1.07	1.19	0.80
0.82	0.95	0.96	1.12	1.15	1.21	1.00	0.60	0.68	0.87	0.92	0.98	1.04
0.60	0.59	0.76	0.72	0.60	0.64	-	-	-	-	-	-	0.79
0.96	1.00	1.08	1.04	0.94	0.84	0.76	0.76	0.86	0.85	0.95	0.98	0.92
0.74	0.67	0.67	0.78	0.61	0.65	-	-	-	-	-	-	0.72
0.77	0.78	0.90	0.84	0.83	0.70	0.56	0.46	0.50	0.64	0.38	0.94	0.66
1.08	1.08	1.16	1.02	0.97	0.95	0.96	0.84	0.90	1.07	1.20	1.22	0.93
0.95	0.95	1.00	1.07	1.07	0.96	-	-	-	-	-	-	1.09
0.72	0.90	0.88	0.90	0.93	0.92	0.60	0.80	0.74	0.73	0.64	0.92	0.74
0.44	0.44	0.44	0.46	0.40	0.42	0.46	0.70	0.76	0.92	0.92	0.90	0.74
0.57	0.56	0.55	0.56	0.60	0.66	0.64	0.42	0.38	0.50	0.55	0.66	0.61
0.64	0.60	0.58	0.58	0.48	0.60	0.46	0.60	1.54	0.42	0.39	0.90	0.86
0.76	0.75	0.78	0.74	0.71	0.70	0.62	0.63	0.73	0.74	0.75	0.82	0.76

IONES LIVIANOS 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	174	174	174	174	174	174	174	174	174	174	260	260
2	347	434	347	347	347	347	434	347	347	260	260	260
3	608	608	707	608	608	608	707	707	1194	1275	955	868
4	434	347	434	347	347	260	260	260	707	782	782	707
5	521	521	608	521	707	608	782	707	707	521	521	260
6	434	347	260	260	347	434	434	521	608	868	707	707
7	174	260	347	347	347	434	434	434	608	707	707	707
8	260	347	260	347	174	260	260	260	260	174	174	174
9	174	174	260	260	347	260	260	260	521	521	521	608
10	260	260	347	260	174	174	260	347	260	174	260	260
11	260	260	260	260	260	260	260	347	260	260	347	347
12	707	434	521	260	434	521	608	608	434	434	434	434
13	260	260	260	521	707	608	707	521	608	782	868	782
14	707	608	707	521	608	521	521	521	707	1035	1035	1035
15	260	260	260	347	347	347	434	434	608	434	521	707
16	434	347	347	347	260	174	347	434	782	868	782	707
17	521	347	434	434	347	347	434	707	707	707	608	608
18	707	782	782	707	521	521	608	782	955	868	782	608
19	608	608	521	434	434	434	434	434	347	347	434	691
20	782	782	782	868	608	707	608	1115	1274	1275	1035	868
21	521	608	521	521	608	521	521	521	822	521	347	521
22	521	608	608	608	521	521	434	347	434	608	560	608
23	782	434	347	434	434	434	434	521	434	260	434	608
24	260	260	347	347	347	347	521	347	347	434	434	608
25	608	347	608	608	608	347	434	347	707	782	868	868
26	707	707	707	782	782	707	782	1115	1194	1115	1035	955
27	260	347	347	260	347	434	434	521	608	707	434	434
28	608	608	608	608	608	521	608	434	570	608	782	608
29	521	521	521	434	260	347	347	347	347	260	260	260
30	260	347	347	347	347	347	260	347	608	868	782	782
31												
Promedio	456	432	453	438	432	418	458	492	605	621	598	595

IONES LIVIANOS 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	602	526	451	451	451	451	451	312	150	226	376	376
2	150	226	226	226	226	150	226	150	312	226	150	312
3	602	526	676	676	676	526	602	828	1460	1595	1188	976
4	226	150	150	226	226	226	226	312	861	1120	1052	976
5	602	752	752	752	752	658	602	752	526	451	376	1324
6	312	75	150	150	457	226	226	226	451	828	905	828
7	150	150	226	226	226	312	312	312	676	752	752	752
8	226	226	312	226	226	226	226	150	150	150	150	150
9	150	150	226	226	75	226	226	226	376	376	526	639
10	226	150	226	226	226	226	150	150	226	226	226	226
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	752	1052	1188	1120
13	1120	-	-	-	-	-	-	-	602	602	602	602
14	150	312	312	526	602	676	526	312	828	1359	1390	1530
15	226	150	150	226	312	376	376	312	312	451	451	-
16	-	-	-	-	-	-	-	-	-	-	-	1320
17	602	451	451	376	376	376	451	936	1120	976	905	905
18	828	905	828	828	676	676	676	1078	1320	1250	1052	976
19	602	676	451	451	376	376	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	1052	976
22	451	676	676	676	676	-	-	-	-	-	-	-
23	676	376	312	226	226	312	312	451	312	312	451	526
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	828	676	676	526	451	226	-	-	532	676	752	526
28	376	526	526	526	526	451	451	-	-	-	-	-
29	451	451	451	312	150	150	226	312	376	376	451	376
30	312	226	226	312	150	150	75	150	602	1052	976	976
31												
Promedio	448	398	403	399	382	350	352	410	597	703	713	780

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	347	347	260	260	260	260	260	260	434	434	347	253
260	260	347	347	347	260	260	608	782	782	782	782	411
868	868	868	782	707	707	434	347	347	434	434	434	695
707	707	521	347	260	260	260	174	174	260	347	347	418
707	434	527	347	260	347	260	260	260	260	347	347	472
707	707	707	782	707	434	260	347	174	174	174	174	470
782	608	707	527	347	347	260	174	174	347	434	260	436
174	174	174	260	347	260	260	174	174	174	347	174	235
707	707	608	347	347	260	347	260	260	174	174	260	359
174	174	174	174	174	260	174	174	174	174	260	260	224
521	434	521	608	521	521	521	434	434	347	434	434	380
347	347	347	707	608	608	521	434	347	347	347	260	460
707	707	707	608	782	608	434	347	347	434	707	707	582
1035	1035	955	782	608	434	434	434	434	434	347	260	655
608	707	434	260	260	608	608	608	707	608	608	434	475
707	707	707	608	707	434	312	260	260	347	521	434	493
608	608	608	521	434	434	434	434	608	608	782	782	544
707	707	608	707	608	608	434	434	434	521	521	521	643
434	608	434	434	434	347	260	608	608	707	782	860	510
782	707	868	868	782	782	608	434	434	434	434	434	761
707	782	608	521	521	521	434	347	347	434	434	521	530
608	782	782	707	707	608	608	521	608	608	707	782	600
707	521	521	434	347	260	260	260	260	260	174	174	406
782	608	521	608	521	434	347	260	260	347	608	347	427
868	782	707	707	608	608	608	608	521	608	782	707	635
707	782	782	782	782	782	608	608	608	608	521	347	771
521	707	868	434	434	521	521	374	434	521	434	434	471
434	260	174	174	260	260	260	347	434	434	434	434	462
260	260	347	434	434	434	347	260	260	260	260	347	347
782	608	521	521	347	434	347	260	260	260	174	174	430
609	588	567	520	482	455	389	367	379	411	458	426	485

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
451	526	451	376	312	376	312	150	150	226	150	150	352
312	226	312	312	226	270	226	827	1188	974	976	905	389
1052	976	905	976	676	526	226	226	226	226	312	226	704
976	905	752	451	312	312	312	312	226	312	526	451	483
564	570	312	312	226	226	150	150	150	75	312	312	498
602	602	602	602	376	226	312	312	226	226	150	150	384
676	676	602	312	376	376	312	226	376	376	312	312	407
150	150	150	150	312	451	312	312	312	150	75	150	212
752	676	526	312	376	226	226	226	312	226	226	150	319
312	226	-	-	-	-	-	-	-	-	-	-	216
-	-	-	-	-	-	-	-	-	-	-	-	-
976	1353	1460	1250	902	1188	976	752	676	752	976	1120	1031
602	752	907	376	676	602	526	376	312	312	312	150	555
1390	1460	1250	828	526	312	376	226	226	312	226	226	662
-	-	-	-	-	-	-	-	-	-	-	-	304
1052	976	905	905	828	936	526	451	451	451	602	526	764
905	828	828	752	676	526	451	451	602	752	828	976	688
1120	1120	905	905	828	602	526	451	451	526	602	226	806
-	-	-	-	-	-	-	-	-	-	-	-	489
-	-	-	-	-	-	-	-	-	-	-	-	-
1188	1390	1120	976	905	752	602	526	676	451	526	526	833
-	-	1460	1120	976	905	676	752	526	451	451	526	733
752	602	526	376	376	312	376	376	-	-	-	-	409
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	1320	1320	1320	-	905	752	752	1120	976	1052	828	1034
676	828	905	676	602	602	451	312	312	451	376	376	565
451	226	226	226	226	226	226	150	312	376	376	376	357
376	376	451	451	451	376	451	312	226	226	150	226	340
905	676	602	526	376	312	312	226	226	226	226	226	419
752	758	760	630	524	502	418	385	422	412	443	414	515

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	6295	4490	8950	5380	6295	3585	-	6295	17050	17950	5380	6295
2	2690	2690	20700	2690	898	3585	2690	8950	2690	8060	17050	5380
3	1795	2690	1795	2690	17950	2690	2690	2690	2690	3585	6295	7180
4	4490	5380	4490	6295	13430	13430	17050	22400	9860	4490	8060	8060
5	9860	2690	1795	7180	2690	9860	898	4490	17950	6295	4490	9860
6	-	898	1795	2690	898	1795	14350	15250	1795	1795	898	898
7	33190	4490	3585	1795	2690	2690	12590	4490	4490	2690	-	2690
8	8950	4490	6295	7180	8950	8950	5380	12590	13430	26900	15250	17950
9	16130	24200	898	4490	8950	11690	8060	12590	4490	8950	2690	898
10	29600	16130	20700	18870	22400	17050	9860	8060	13430	20700	7180	4490
11	9860	898	8950	3585	4490	6295	11690	16130	16130	7180	4490	7180
12	2690	1795	1795	5380	6295	3585	2690	2690	2690	2690	3585	2690
13	898	1795	1795	898	1795	1795	1795	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	7180	2690	8060	9860
16	10770	3585	4490	5380	6295	5380	11690	10770	6295	2690	8950	12590
17	8060	6295	3585	5380	12590	8060	1795	7180	4490	6295	8060	7180
18	4490	2690	2690	2690	2690	1795	4490	2690	18870	2690	1795	4490
19	898	2690	3585	2690	8060	13430	4490	4490	4490	7180	9860	898
20	898	898	898	4490	11690	4490	3585	2690	2690	1795	898	9860
21	4490	15250	5380	8060	4490	4490	12590	13430	8950	8950	8950	13430
22	3585	2690	1795	1795	8060	2690	4490	4490	3585	17050	3585	3585
23	4490	7180	10770	13430	4490	7180	13430	15250	9860	7180	3585	8950
24	8950	5380	8060	8060	8060	8950	18870	6295	3585	1795	2690	3585
25	3585	2690	3585	2690	12590	22400	1795	5380	5380	8060	9860	6295
26	3585	2690	1795	2690	3585	5380	4490	5380	6295	3585	6295	2690
27	12590	4490	27800	16130	16130	17050	4490	7180	16130	8060	4490	9860
28	2690	2690	7180	5380	11690	14350	18870	14350	9860	8060	6295	12590
29	12590	8950	9860	9860	9860	3585	898	5380	9860	10770	17050	17050
30	5380	12590	17050	21520	12590	1795	3585	6295	4490	2690	4490	6295
31												
Promedio	7907	5478	6860	6406	8236	7429	7382	8440	8168	7529	6677	7244

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	6295	6295	8950	16130	5380	5380	5380	-	-	7180	-	5380
2	1795	1795	2690	2690	3585	5380	2690	3585	4490	8060	9860	3585
3	15250	2690	2690	3585	4490	4490	4490	3585	3585	6295	8060	8060
4	6295	6295	6295	8060	11690	17950	22400	13430	5380	5380	7180	8060
5	3585	2690	2690	4490	2690	4490	4490	6295	6295	6295	7180	15250
6	2690	2690	2690	2690	1795	1795	2690	2690	13430	1795	1795	1795
7	8950	6295	2690	3585	3585	3585	3585	4490	2690	2690	3585	3585
8	8950	4490	6295	7180	13430	7180	4490	17050	11690	15250	13430	15250
9	23360	15250	4490	5380	9860	12590	15250	7180	4490	4490	2690	5380
10	20700	18870	18870	23360	23360	13430	10770	9860	20700	9860	5380	6295
11	5380	5380	6295	8950	9860	10770	13430	18870	12590	7180	6295	4490
12	3585	2690	6295	8060	5380	3585	3585	4490	3585	3585	3585	3585
13	1795	1795	2690	2690	2690	1795	3585	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	6295	8950	9860	11690
16	4490	6295	5380	6295	8060	8060	9860	7180	4490	6295	8060	6295
17	6295	7180	6295	6295	8060	8950	8060	5380	6295	8060	9860	8950
18	3585	3585	2690	2690	3585	2690	3585	2690	4490	4490	5380	8060
19	2690	3585	3585	4490	4490	5380	4490	4490	5380	5380	4490	11690
20	2690	1795	1795	1795	3585	3585	3585	2690	4490	5380	8060	8060
21	4490	8060	5380	4490	6295	5380	13430	11690	8950	11690	15250	8060
22	3585	3585	2690	2690	3585	3585	3585	5380	4490	9860	4490	3585
23	6295	8060	7180	6295	6295	11690	11690	8950	13430	16130	11690	7180
24	7180	8060	9860	8060	12590	17050	8060	8060	6295	6295	5380	4490
25	4490	4490	8060	3585	8060	11690	5380	8060	1795	898	1795	2690
26	3585	2690	2690	2690	2690	4490	4490	5380	6295	8060	6295	6295
27	10770	8060	12590	13430	11690	9860	9860	12590	8060	6295	8950	9860
28	4490	4490	4490	3585	4490	4490	9860	6295	6295	7180	9860	15250
29	2690	2690	5380	6295	7180	8060	8060	9860	13430	13430	17050	18870
30	6295	5380	4490	4490	5380	4490	6295	2690	4490	6295	6295	6295
31												
Promedio	6510	5544	5578	6215	6922	7210	7397	7420	7181	7241	7474	7787

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	6295	8950	10770	13430	8950	7180	12590	8950	3585	2690	2690	7684
2690	4490	6295	20700	4490	5380	13430	4490	1795	898	7180	898	6284
6295	3585	4490	2690	8950	4490	6295	25150	9860	1795	6295	5380	5834
6295	6295	8060	11690	24200	18870	13430	15250	16130	9860	6295	4490	10762
7180	2690	3585	10770	4490	-	7180	8060	8060	6295	3585	1795	6163
898	898	898	1795	2690	3585	11690	20700	17050	12590	14350	9860	6090
2690	5380	2690	4490	9860	18870	20700	17050	17050	4490	898	4490	8002
12590	14350	13430	17050	14350	2690	20700	15250	20350	20700	27800	20350	13997
5380	898	2690	5380	8060	4490	6295	11690	13430	13430	17050	27800	9193
4490	11690	9860	9860	13430	6295	10770	20700	24200	14350	10770	17950	14285
2690	20700	21520	7180	12590	8060	10770	16130	6295	6295	8060	5380	9273
2690	2690	2690	2690	2690	2690	13430	8060	7180	4490	1795	2690	3848
-	-	-	-	-	-	-	-	-	-	-	-	1539
-	-	-	-	-	-	-	-	-	-	-	-	-
15250	22400	17050	14350	12590	-	7180	2690	8950	2690	2690	4490	9208
6295	6295	16130	6295	6295	7180	25150	15250	31460	11690	10770	20350	10502
8060	6295	6295	6295	8060	6295	8060	8060	6295	3585	3585	3585	6393
6295	6295	4490	4490	17950	6295	6295	4490	4490	2690	3585	3585	5126
5380	9860	17950	16130	13430	2690	8950	16130	8950	2690	1795	898	6984
6295	2690	6295	3585	5380	4490	6295	9860	9860	18870	3585	5380	5311
6295	7180	5380	1795	8060	9860	10770	22400	15250	26900	16130	5380	10161
13430	13430	8950	3585	898	1795	15250	3585	11690	14350	7180	5380	6538
1795	6295	10770	9860	20700	12590	6295	898	11690	17050	15250	11690	9612
5380	5380	6295	3585	3585	4490	6295	11690	898	7180	8060	8950	6503
5380	15250	7180	1795	12590	7180	5380	3585	1795	3585	4490	2690	6467
17950	5380	9860	11690	17050	4490	11690	14350	8950	8060	25150	2690	7740
2690	12590	8950	2690	18870	26900	5380	2690	20350	4490	7180	5380	10940
6295	20700	20700	17050	14350	29600	25150	4490	5380	5380	4490	15250	11785
13430	18870	16130	8950	11690	16130	20700	11690	14350	13430	6295	6295	11403
8060	11690	5380	7180	8060	11690	13430	3585	15250	11690	17950	15250	9499
6602	8949	9434	8014	10671	9079	11576	11092	11641	9040	8748	7893	8339

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	17050	-	17050	10770	-	8950	11690	8060	2690	1795	1795	7884
4490	6295	4490	4490	5380	8060	8950	1795	2690	2690	2690	2690	4371
6295	5380	4490	4490	6295	7180	8060	8060	8950	8950	10770	7180	6390
7180	8060	8950	14350	15250	15250	15250	16130	14350	8060	4490	4490	10426
7180	2690	5380	7180	5380	5380	8060	9860	8060	5380	4490	3585	5794
1795	1795	1795	3585	1795	5380	16130	18870	17050	13430	12590	13430	6091
3585	6295	3585	6295	13430	16130	17050	14350	15250	4490	2690	5380	6577
13430	33190	15250	17050	6295	8060	17950	17950	24200	22400	26000	20700	14465
6295	3585	4490	6295	4490	7180	9860	13430	20700	23360	18870	17050	10251
9860	13430	17050	20700	16130	8060	22400	20350	17950	15250	15250	8060	11081
12590	15250	8950	8060	9860	9860	11690	10770	7180	8060	7180	3585	9272
3585	2690	2690	3585	4490	4490	6295	7180	7180	4490	2690	1795	4299
-	-	-	-	-	-	-	-	-	-	-	-	2434
-	-	-	-	-	-	-	-	-	-	-	-	-
12590	10770	14350	15250	13430	4490	4490	4490	2690	3585	4490	5380	8300
8060	8060	7180	8950	6295	14350	17050	16130	18870	10770	6295	5380	8673
8060	8060	7180	8060	9860	8060	9860	8060	5380	3585	4490	3585	7247
7180	6295	5380	5380	11690	7180	4490	4490	6295	4490	3585	2690	4861
2690	6295	5380	4490	2690	3585	4490	2690	1795	1795	2690	2690	4226
8060	8060	15250	5380	4490	5380	7180	10770	8950	8060	5380	5380	5827
7180	8060	8950	9860	2690	11690	11690	11690	9860	8950	5380	4490	8486
3585	2690	3585	4490	6295	6295	6295	5380	4490	4490	3585	5380	4486
6295	9860	9860	13430	13430	15250	20350	18870	17050	16130	17950	9860	11801
4490	4490	4490	4490	5380	7180	9860	13430	9860	5380	3585	5380	7475
2690	3585	2690	2690	4490	4490	5380	4490	5380	2690	2690	2690	4373
6295	6295	5380	6295	5380	5380	4490	5380	5380	8060	8060	10770	5534
6295	4490	4490	5380	5380	8060	3585	7180	5380	8060	7180	4490	7999
15250	18870	17950	15250	17050	17950	13430	5380	3585	3585	3585	3585	9010
13430	13430	14350	11690	13430	11690	10770	11690	10770	10770	9860	6295	10465
8060	9860	9860	11690	12590	9860	10770	13430	20350	17950	17050	17050	9225
7146	8746	7905	8782	8362	8738	10529	10499	10275	8486	7691	6601	7761

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	8.7	11.6	13.6	11.6	8.7	13.0	14.4	14.4	15.9	26.0	17.3	13.0	13.0
2	14.4	13.0	8.7	10.1	5.8	8.7	5.8	4.3	5.8	7.2	8.7	4.3	4.3
3	11.6	10.1	13.0	7.2	10.1	11.6	5.8	2.9	4.3	8.7	4.3	10.1	11.6
4	15.9	14.4	15.9	17.3	17.3	14.4	13.0	11.6	15.9	8.7	7.2	7.2	7.2
5	18.8	21.7	14.4	15.9	10.1	13.0	10.1	14.4	11.6	8.7	8.7	13.0	15.9
6	15.9	14.4	21.7	21.7	21.7	24.6	26.0	26.0	-	-	-	-	-
7	14.4	14.4	11.6	13.0	15.9	13.0	11.6	5.8	10.1	13.0	5.8	10.1	8.7
8	13.0	11.6	13.0	11.6	14.4	14.4	13.0	11.6	14.4	14.4	8.7	13.0	8.7
9	11.6	18.8	15.9	18.8	18.8	17.3	13.0	13.0	13.0	8.7	7.2	10.1	13.0
10	5.8	11.6	13.0	11.6	10.1	11.6	11.6	8.7	10.1	13.0	14.4	11.6	8.7
11	13.0	11.6	11.6	11.6	17.3	14.4	11.6	11.6	13.0	11.6	8.7	10.1	11.6
12	11.6	11.6	14.4	13.0	13.0	13.0	14.4	11.6	11.6	10.1	10.1	10.1	13.0
13	13.0	10.1	10.1	10.1	11.6	11.6	10.1	11.6	8.7	10.1	11.6	11.6	11.6
14	13.0	11.6	11.6	8.7	13.0	8.7	5.8	4.3	8.7	11.6	11.6	14.4	14.4
15	-	-	-	-	-	-	-	-	5.8	7.2	13.0	13.0	11.6
16	14.4	13.0	13.0	13.0	14.4	17.3	20.2	15.9	15.9	13.0	14.4	21.7	18.8
17	13.0	14.4	14.4	13.0	14.4	14.4	10.1	11.6	-	-	-	-	-
18	14.4	14.4	13.0	10.1	11.6	11.6	11.6	7.2	11.6	13.0	14.4	23.1	18.8
19	8.7	15.6	11.6	14.4	11.6	7.2	10.1	13.0	7.2	21.7	8.7	14.4	28.9
20	17.3	13.0	11.6	10.1	14.4	11.6	10.1	13.0	13.0	8.7	11.6	15.9	10.1
21	10.1	13.0	11.6	15.9	13.0	11.6	8.7	11.6	10.1	11.6	11.6	14.4	14.4
22	7.2	11.6	14.4	11.6	17.3	11.6	11.6	8.7	13.0	21.9	11.6	13.0	7.2
23	- 3.4	1.4	- 3.4	5.8	10.1	5.8	1.4	1.4	8.7	13.0	5.8	11.6	4.3
24	8.7	10.1	10.1	10.1	11.6	7.2	2.9	1.4	8.7	11.6	8.7	13.0	13.0
25	8.7	10.1	10.1	10.1	17.3	21.7	18.8	21.7	20.2	18.8	14.4	15.9	11.6
26	8.7	11.6	8.7	10.1	14.4	5.8	2.9	1.4	5.8	8.7	13.0	17.3	11.6
27	7.2	8.7	8.7	8.7	13.0	11.6	5.8	5.8	8.7	14.4	13.0	13.0	8.7
28	11.6	11.6	11.6	11.6	13.0	10.1	5.8	5.8	13.0	14.4	11.6	15.9	14.4
29	13.0	10.1	10.1	11.6	15.9	15.9	10.1	8.7	11.6	14.4	10.1	14.4	13.0
30	11.6	8.7	11.6	14.4	13.0	8.7	8.7	7.2	11.6	14.4	13.0	18.8	14.4
31													
Prom	11.4	12.2	11.9	12.2	13.5	12.5	10.5	9.9	11.0	12.8	10.7	13.4	12.5
Var.	0.6	1.4	1.1	1.4	2.7	1.7	- 0.3	- 0.9	0.2	2.0	- 0.1	2.6	1.7

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	-33.7	-29.6	-29.6	-35.0	-37.7	-35.0	-41.8	-29.6	-31.0	-31.0	-33.7	-36.4	-33.7
2	-32.3	-31.0	-28.3	-32.3	-39.1	-37.7	-35.0	-31.0	-35.0	-32.3	-29.6	-37.7	-36.4
3	-35.0	-32.3	-31.0	-32.3	-39.1	-39.1	-35.0	-32.3	-35.0	-31.0	-32.3	-33.7	-37.7
4	-32.3	-31.0	-29.6	-37.7	-37.7	-37.7	-36.4	-33.7	-32.3	-28.3	-32.3	-31.0	-29.6
5	-29.6	-29.6	-28.3	-31.0	-32.3	-33.7	-35.0	-31.0	-32.3	-33.7	-31.0	-31.0	-31.0
6	-26.9	-26.9	-22.9	-24.2	-24.2	-28.3	-28.3	-25.6	-	-	-	-	-
7	-32.3	-28.3	-28.3	-32.3	-39.1	-36.4	-32.3	-29.6	-32.3	-32.3	-32.3	-35.0	-35.0
8	-33.7	-32.3	-29.6	-33.7	-36.4	-35.0	-36.4	-35.0	-33.7	-33.7	-35.0	-35.0	-36.4
9	-32.3	-25.6	-25.6	-28.3	-31.0	-32.3	-35.0	-33.7	-32.3	-33.7	-35.0	-35.0	-28.3
10	-33.7	-28.3	-28.3	-32.3	-35.0	-33.7	-32.3	-29.6	-32.3	-29.6	-32.3	-32.3	-31.0
11	-32.3	-29.6	-28.3	-29.6	-35.0	-32.3	-35.0	-29.6	-31.0	-28.3	-31.0	-29.6	-28.3
12	-29.6	-26.9	-26.9	-29.6	-31.0	-32.3	-31.0	-28.3	-28.3	-28.3	-31.0	-29.6	-31.0
13	-29.6	-26.9	-28.3	-32.3	-29.6	-31.0	-28.3	-28.3	-29.6	-29.6	-29.6	-28.3	-32.3
14	-29.6	-26.9	-26.9	-32.3	-32.3	-35.0	-31.0	-29.6	-29.6	-29.6	-32.3	-32.3	-
15	-	-	-	-	-	-	-	-	-22.9	-21.6	-25.6	-31.0	-31.0
16	-31.0	-26.9	-28.3	-29.6	-32.3	-32.3	-31.0	-24.2	-25.6	-25.6	-26.9	-26.9	-26.9
17	-29.6	-26.9	-28.3	-31.0	-35.0	-33.7	-28.3	-24.2	-	-	-	-	-
18	-22.9	-20.2	-25.6	-29.6	-32.3	-29.6	-26.9	-24.2	-26.9	-22.9	-25.6	-25.6	-24.2
19	-26.9	-25.6	-22.9	-28.3	-26.9	-26.9	-25.6	-21.6	-24.2	-29.6	-25.6	-26.9	-16.2
20	-26.9	-22.9	-22.9	-24.2	-24.2	-25.6	-24.2	-26.9	-24.2	-26.9	-26.9	-29.6	-26.9
21	-29.6	-26.9	-25.6	-29.6	-29.6	-33.7	-31.0	-28.3	-31.0	-24.2	-28.3	-25.6	-26.9
22	-28.3	-21.6	-22.9	-26.9	-31.0	-29.6	-28.3	-24.2	-22.9	-13.0	-14.4	-	-
23	-26.9	-22.9	-22.9	-29.6	-32.3	-31.0	-29.6	-26.9	-28.3	-28.3	-28.3	-26.9	-28.3
24	-26.9	-24.2	-21.6	-25.6	-26.9	-29.6	-28.3	-25.6	-22.9	-24.2	-22.9	-25.6	-24.2
25	-28.3	-21.6	-18.9	-25.6	-26.9	-18.9	-18.9	-16.2	-18.9	-20.2	-26.9	-24.2	-26.9
26	-28.3	-25.6	-25.6	-29.6	-31.0	-31.0	-32.3	-26.9	-29.6	-25.6	-32.3	-24.2	-32.3
27	-26.9	-25.6	-26.9	-29.6	-26.9	-28.3	-25.6	-29.6	-31.0	-29.6	-28.3	-26.9	-24.2
28	-24.9	-22.4	-23.6	-24.9	-23.6	-21.1	-21.1	-19.9	-19.9	-18.7	-22.4	-21.1	-17.4
29	-28.3	-22.9	-24.2	-26.9	-28.3	-29.6	-29.6	-26.9	-28.3	-24.2	-26.9	-25.6	-24.2
30	-26.9	-24.2	-21.6	-25.6	-26.9	-29.6	-26.9	-25.6	-22.9	-24.2	-25.6	-28.3	-24.2
31													
Prom	-29.5	-26.4	-26.0	-29.6	-31.5	-31.4	-30.4	-27.5	-28.4	-27.2	-28.7	-29.5	-28.6
Var.	- 0.5	2.6	3.0	- 0.6	- 2.5	- 2.4	- 1.4	1.5	0.6	1.8	0.3	- 0.5	0.4

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
14.4	10.1	10.1	5.8	5.8	7.2	7.2	4.3	10.1	7.2	13.0	11.5	1
7.2	7.2	7.2	4.3	7.2	5.8	8.7	2.9	10.1	10.1	10.1	7.6	1
5.8	4.3	13.0	11.6	- 5.0	- 6.7	-16.8	-10.1	18.8	13.0	24.6	6.8	2
10.1	4.3	13.0	5.8	2.9	1.4	- 1.7	1.4	11.6	8.7	15.9	10.0	1
21.7	23.1	21.7	14.4	10.1	14.6	13.0	8.7	14.4	13.0	14.4	14.4	1
-	-	-	-	-	-	-	-	13.0	13.0	13.0	19.2	1
10.1	10.1	10.1	7.2	8.7	11.6	10.1	5.8	8.7	10.1	8.7	10.4	0
11.6	8.7	10.1	7.2	10.1	11.6	7.2	10.1	10.1	10.1	10.1	11.2	1
11.6	8.7	8.7	4.3	7.2	10.1	10.1	8.7	10.1	10.1	8.7	11.6	1
11.6	8.7	8.7	5.8	7.2	5.8	13.0	5.8	17.3	7.2	14.4	10.3	1
14.4	11.6	11.6	5.8	8.7	11.6	10.1	8.7	13.0	13.0	13.0	11.6	0
11.6	8.7	7.2	2.9	5.8	5.8	5.8	5.8	14.4	13.0	11.6	10.4	0
11.6	8.7	8.7	8.7	7.2	8.7	10.1	10.1	10.1	11.6	13.0	10.4	1
13.0	11.6	7.2	2.9	5.8	-	-	-	-	-	-	9.9	1
11.6	2.9	1.4	7.2	11.6	13.0	14.4	13.0	14.4	17.3	14.4	10.7	2
17.3	8.7	8.7	8.7	15.9	17.3	15.9	11.6	15.9	15.9	15.9	14.9	1
-	-	-	-	-	-	-	-	15.9	11.6	14.4	13.4	1
20.2	11.6	5.8	4.3	4.3	4.3	5.8	- 3.4	7.2	14.4	15.9	11.0	2
21.7	26.9	28.9	20.2	15.9	10.1	14.4	10.1	24.6	18.8	11.6	15.7	2
8.7	8.7	11.6	8.7	13.0	5.8	4.3	8.7	7.2	14.4	13.0	11.0	1
11.6	10.1	8.7	4.3	8.7	10.1	11.6	7.2	2.9	7.2	5.8	10.2	1
5.8	5.8	8.7	- 3.4	5.8	7.2	4.3	8.7	14.4	8.7	7.2	9.7	2
11.6	4.3	5.8	7.2	10.1	10.1	11.6	7.2	11.6	10.1	7.2	6.6	1
5.8	5.8	8.7	4.3	5.8	7.2	8.7	5.8	13.0	5.8	8.7	8.2	1
13.0	4.3	2.9	1.4	7.2	11.6	11.6	11.6	13.0	11.6	11.6	12.5	1
10.1	5.8	4.3	2.9	1.4	5.8	7.2	7.2	7.2	8.7	8.7	7.9	1
5.8	4.3	5.8	7.2	7.2	7.2	7.2	8.7	5.8	10.1	10.1	8.6	1
13.0	8.7	8.7	5.8	5.8	10.1	10.1	10.1	11.6	11.6	11.6	10.7	1
14.4	10.1	10.1	4.3	7.2	8.7	8.7	8.7	10.1	11.6	13.0	11.1	0
13.0	5.8	7.2	8.7	11.6	13.0	14.4	11.6	11.6	11.6	10.1	11.4	1
12.1	8.9	9.4	6.4	7.6	8.5	8.4	7.0	12.0	11.4	12.0	10.8	
1.3	- 1.9	- 1.4	- 4.4	- 3.2	- 2.3	- 2.4	- 3.8	1.2	0.6	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
-36.4	-32.3	-32.3	-32.3	-35.0	-40.4	-36.4	-33.7	-32.3	-32.3	-31.0	-33.8	0
-33.7	-29.6	-32.3	-32.3	-37.7	-37.7	-36.4	-33.7	-33.7	-36.4	-36.4	-34.1	1
-35.0	-29.6	-32.3	-33.7	-31.0	-32.3	-29.6	-35.0	-35.0	-33.7	-35.0	-33.7	0
-32.3	-32.3	-32.3	-36.4	-31.0	-33.7	-33.7	-31.0	-31.0	-33.7	-31.0	-32.8	1
-20.2	-16.2	-18.9	-20.2	-24.2	-25.6	-29.6	-28.3	-25.6	-25.6	-21.6	-27.7	1
-	-	-	-	-	-	-	-	-35.0	-36.4	-33.7	-28.4	0
-33.7	-36.4	-32.3	-33.7	-33.7	-32.3	-39.1	-36.4	-35.0	-35.0	-36.4	-33.7	1
-33.7	-35.0	-31.0	-36.4	-36.4	-40.4	-40.4	-36.4	-33.7	-32.3	-33.7	-34.8	2
-35.0	-29.6	-32.3	-32.3	-32.3	-31.0	-33.7	-36.4	-32.3	-29.6	-32.3	-31.9	0
-35.0	-29.6	-29.6	-33.7	-32.3	-33.7	-35.0	-32.3	-35.0	-33.7	-35.0	-32.3	1
-31.0	-29.6	-26.9	-31.0	-35.0	-35.0	-32.3	-32.3	-29.6	-31.0	-29.6	-31.0	1
-29.6	-28.3	-26.9	-28.3	-32.3	-28.3	-31.0	-29.6	-31.0	-31.0	-31.0	-29.6	1
-29.6	-29.6	-	-	-32.3	-33.7	-31.0	-31.0	-32.3	-33.7	-28.3	-30.2	2
-	-	-	-	-	-	-	-	-	-	-	-30.6	2
-32.3	-28.3	-26.9	-35.0	-35.0	-24.2	-35.0	-31.0	-29.6	-29.6	-29.6	-29.3	2
-26.9	-26.9	-28.3	-25.6	-26.9	-26.9	-31.0	-31.0	-29.6	-28.3	-26.9	-28.2	0
-	-	-	-	-	-	-	-	-29.6	-29.6	-25.6	-29.2	2
-24.2	-22.9	-22.9	-26.9	-26.9	-28.3	-26.9	-25.6	-25.6	-28.3	-25.6	-25.8	0
-18.9	-16.2	-16.2	-21.6	-22.9	-25.6	-28.3	-28.3	-26.9	-25.6	-26.9	-24.4	0
-26.9	-26.9	-26.9	-32.3	-29.6	-32.3	-32.3	-31.0	-32.3	-32.3	-32.3	-27.8	1
-28.3	-25.6	-26.9	-31.0	-29.6	-29.6	-31.0	-31.0	-26.9	-28.3	-25.6	-28.5	0
-	-21.6	-26.9	-26.9	-32.3	-31.0	-32.3	-31.0	-25.6	-29.6	-29.6	-26.2	1
-25.6	-22.9	-21.6	-24.2	-26.9	-28.3	-29.6	-28.3	-25.6	-26.9	-26.9	-27.0	0
-24.2	-24.2	-26.9	-26.9	-28.3	-25.6	-28.3	-26.9	-26.9	-29.6	-26.9	-26.0	0
-28.3	-24.2	-26.9	-24.2	-28.3	-26.9	-26.9	-25.6	-24.2	-28.3	-28.3	-24.4	1
-29.6	-29.6	-28.3	-31.0	-29.6	-29.6	-35.0	-29.6	-29.6	-29.6	-28.3	-29.3	2
-25.6	-25.6	-21.6	-24.2	-26.9	-28.3	-25.6	-24.2	-28.3	-26.9	-26.9	-26.8	1
-22.4	-19.9	-21.1	-21.1	-19.9	-24.9	-26.9	-26.9	-21.1	-22.4	-23.6	-22.1	1
-24.2	-21.6	-21.6	-24.2	-26.9	-26.9	-28.3	-28.3	-24.2	-24.2	-24.2	-25.8	1
-28.3	-25.6	-24.2	-21.6	-26.9	-24.2	-26.9	-24.2	-26.9	-26.9	-26.9	-25.6	1
-28.9	-26.7	-26.7	-28.7	-30.0	-30.2	-31.6	-30.3	-29.5	-30.0	-29.3	-29.0	
0.1	2.3	2.3	0.3	- 1.0	- 1.2	- 2.6	- 1.3	- 0.5	- 1.0	- 0.3		

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	60.5	59.8	59.7	59.3	59.1	59.1	59.1	58.9	58.8	58.3	57.8	57.2	56.3	55.4	55.3
2	51.5	51.1	50.1	49.6	49.4	49.2	49.0	48.6	47.6	46.8	46.5	45.6	45.1	44.9	45.0
3	54.9	55.8	55.0	55.9	56.5	57.9	58.7	59.6	60.4	60.7	61.1	60.9	60.8	60.8	60.8
4	62.6	62.2	62.1	62.2	62.1	62.3	62.2	62.8	63.0	62.8	62.6	61.4	60.2	59.4	59.0
5	57.0	56.9	56.2	56.6	56.2	56.4	56.0	56.6	55.5	56.8	55.6	54.1	53.7	54.2	54.8
6	57.1	57.2	57.5	58.2	59.0	59.4	59.7	60.2	60.3	60.5	60.2	59.6	59.2	58.8	58.4
7	59.0	58.7	58.7	58.5	58.3	58.1	57.8	57.8	57.6	57.1	56.9	56.1	56.0	55.2	55.0
8	59.0	59.0	58.9	58.9	59.2	59.6	59.8	60.1	60.0	60.0	59.0	59.4	58.5	57.4	56.7
9	58.8	58.7	58.5	58.4	58.5	58.4	58.8	58.9	59.3	59.5	59.8	59.4	59.4	59.2	58.7
10	61.0	61.3	61.2	61.2	62.0	62.5	62.6	62.6	62.1	61.6	61.9	61.7	60.9	60.5	60.7
11	64.0	64.0	63.8	63.9	64.1	64.5	65.0	65.2	65.2	64.7	64.4	64.1	63.2	62.5	62.4
12	61.9	62.7	62.4	61.9	61.6	61.6	61.7	61.8	61.5	61.1	60.5	59.8	58.9	58.0	57.3
13	53.4	52.6	52.6	52.1	51.7	51.3	51.3	51.1	50.9	50.3	49.3	48.0	47.2	46.0	46.0
14	55.4	54.4	53.3	52.8	53.8	54.4	55.0	56.2	56.4	56.9	56.9	57.0	56.8	56.6	56.6
15	58.5	58.5	58.0	58.1	58.5	58.2	58.8	59.2	59.6	59.8	60.1	60.2	60.2	59.8	59.4
16	64.4	64.6	64.3	63.9	64.1	64.5	66.0	66.6	66.6	66.7	66.5	66.0	65.6	65.4	65.4
17	66.5	66.3	66.1	66.1	66.6	66.8	67.2	67.4	67.5	67.5	67.4	67.0	66.3	65.4	64.9
18	64.1	63.7	63.1	62.7	62.7	63.2	63.2	63.2	62.7	62.3	61.6	60.7	60.0	59.0	58.3
19	55.9	55.3	54.4	54.1	54.0	53.8	53.8	53.8	53.7	53.2	50.4	52.0	51.3	51.1	51.1
20	52.6	52.3	52.6	52.5	53.3	53.5	53.7	53.9	54.1	54.2	54.0	54.2	53.8	53.8	53.9
21	57.0	57.3	57.3	57.1	57.3	58.1	58.7	58.8	58.8	58.6	58.1	57.5	56.5	55.4	55.0
22	51.4	50.8	49.8	49.3	49.1	49.0	48.4	47.9	51.3	50.8	50.8	50.5	50.3	50.4	50.4
23	54.8	54.3	54.0	54.0	54.0	54.5	55.0	55.2	55.3	55.2	55.1	54.9	54.4	54.2	53.8
24	54.0	53.9	53.7	53.9	54.2	54.3	55.1	55.2	54.2	53.9	53.6	52.6	52.0	51.0	50.4
25	48.6	49.8	50.1	49.0	51.2	49.5	50.2	51.2	51.6	52.1	52.2	52.7	52.7	52.6	52.5
26	56.3	56.1	56.1	56.4	57.7	58.2	58.7	59.2	59.2	59.5	59.6	59.4	59.0	58.8	58.7
27	60.4	60.6	60.3	60.4	60.6	61.2	61.6	61.6	61.6	61.3	60.9	59.9	59.5	59.4	58.3
28	58.1	57.8	57.0	57.1	57.2	57.3	58.0	58.7	58.7	58.4	57.7	57.0	56.3	55.9	56.0
29	59.2	58.4	58.4	58.4	58.7	58.4	58.9	58.6	58.2	57.7	57.3	56.7	55.9	55.6	55.6
30	54.7	54.6	54.6	54.5	54.4	54.7	55.5	56.2	56.3	57.0	56.8	56.3	55.7	55.2	55.0
31															
Prom	57.8	57.6	57.3	57.2	57.5	57.7	58.0	58.2	58.3	58.2	57.8	57.4	57.5	56.4	56.2

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	12.2	12.0	11.9	11.9	11.7	11.6	11.6	11.8	12.1	12.6	13.5	13.6	15.4	17.6	17.6
2	17.8	17.9	17.9	17.9	17.9	18.0	19.2	19.8	20.3	19.4	19.5	22.9	24.6	23.9	22.5
3	13.3	12.7	11.9	10.9	9.9	9.5	9.3	10.7	13.2	14.9	15.0	16.4	17.4	17.9	17.9
4	4.6	4.0	3.5	3.5	5.0	5.2	5.1	11.2	12.4	13.6	14.2	15.0	15.3	15.5	15.1
5	11.8	11.8	11.7	11.6	11.1	11.0	11.0	10.7	10.9	11.0	10.5	10.4	10.0	10.7	10.5
6	8.4	8.3	8.4	8.5	8.6	8.4	8.5	8.8	10.5	11.8	12.9	13.4	13.8	14.5	15.4
7	8.7	8.8	8.6	7.8	7.6	7.8	8.3	10.5	12.8	13.8	14.7	15.1	15.8	16.4	16.4
8	12.6	12.1	11.1	10.1	9.9	9.3	9.4	11.1	13.3	15.0	16.1	15.9	16.7	17.0	17.4
9	8.3	9.8	10.5	9.7	9.0	6.8	6.9	11.7	14.7	16.3	17.1	18.2	19.9	20.6	21.3
10	6.9	5.9	6.1	6.0	6.9	7.9	8.8	10.7	14.2	14.2	14.2	14.4	15.2	16.1	16.1
11	11.5	10.9	9.9	8.3	7.5	7.6	8.0	11.7	15.4	17.5	18.6	19.2	19.5	19.8	19.4
12	13.2	13.2	13.4	12.8	12.2	12.3	12.4	14.0	15.4	17.1	19.9	20.8	21.8	22.3	22.2
13	14.8	14.8	14.9	15.5	15.3	15.4	16.6	18.7	20.8	21.2	23.7	24.8	25.0	26.5	21.2
14	13.8	13.0	12.9	15.1	15.0	13.9	13.2	13.0	14.1	15.5	17.7	17.1	17.0	17.7	17.9
15	4.6	4.0	3.5	2.9	2.8	2.6	4.9	10.9	14.1	14.6	13.9	18.0	17.5	17.7	18.3
16	7.8	6.6	5.4	5.0	3.9	2.5	5.0	8.3	10.9	14.1	15.9	16.2	17.1	17.6	17.4
17	9.3	8.4	8.6	8.3	8.2	7.6	9.6	11.2	12.3	12.8	14.1	15.2	15.7	16.2	16.6
18	11.8	10.9	10.3	10.2	10.1	9.8	10.2	12.3	14.4	16.4	18.1	18.6	19.8	20.2	20.4
19	16.0	16.0	15.9	15.7	15.2	15.1	15.6	16.2	16.2	16.2	17.0	16.9	17.3	17.3	17.3
20	9.4	9.5	9.5	8.8	7.8	7.5	9.0	12.6	15.2	17.2	18.8	20.2	21.4	21.8	21.4
21	8.5	8.1	8.6	7.2	6.2	5.9	8.0	12.3	15.3	17.1	18.6	18.7	18.9	19.4	18.5
22	14.9	14.7	14.6	14.8	15.0	14.9	15.0	15.0	12.7	12.4	15.4	18.5	21.4	21.3	19.9
23	10.6	9.8	9.3	8.5	8.2	7.3	8.9	13.9	17.1	18.2	18.8	19.6	20.6	20.7	21.1
24	9.9	8.6	7.6	8.6	8.0	7.5	10.3	11.5	13.5	16.9	17.1	20.1	20.6	21.2	21.1
25	14.8	15.2	13.7	14.0	13.2	12.8	12.8	13.4	12.9	14.1	15.7	16.3	17.4	17.5	17.7
26	6.6	5.8	5.3	6.3	6.3	6.0	6.8	10.0	12.9	15.1	16.7	17.9	18.5	18.8	19.1
27	6.0	5.1	5.3	4.9	5.3	5.5	8.7	14.8	18.6	20.2	20.9	20.5	21.1	22.0	22.0
28	13.1	13.2	13.9	14.3	13.2	12.6	14.3	16.1	18.3	20.2	20.9	22.0	22.4	22.3	22.1
29	12.0	11.4	10.9	10.0	9.7	9.7	11.2	13.4	14.9	15.9	17.1	17.9	18.4	18.3	17.0
30	12.2	12.2	12.2	12.2	12.1	11.8	11.1	11.7	14.9	16.9	18.2	19.4	20.2	20.9	21.2
31															
Prom	10.8	10.5	10.2	10.0	9.8	9.4	10.3	12.6	14.5	15.7	16.8	17.8	18.5	19.0	18.7

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
55.0	53.5	53.2	53.6	53.4	53.2	52.8	52.7	52.1	60.5	1	52.1	24	8.4	756.4 mm.	1008.5 mb.
45.6	46.5	48.0	50.0	51.5	52.5	53.2	54.4	54.7	54.7	24	44.9	14	9.8	49.0	998.6
60.7	61.0	61.2	61.5	61.9	62.6	62.7	62.7	62.5	62.7	22,23	54.6	0-1	8.1	59.8	1013.0
58.6	58.5	58.8	58.9	58.7	58.3	57.9	57.7	57.4	63.0	10	57.4	24	5.6	60.5	1014.0
54.7	54.9	55.2	55.5	56.2	56.3	56.5	56.9	57.2	57.4	0	53.7	13	3.7	55.8	1007.7
58.5	58.7	59.1	59.4	59.6	59.5	59.1	59.3	59.1	60.5	10	57.1	1	3.4	59.1	1012.1
55.2	56.5	56.8	57.3	57.8	59.3	60.4	60.2	58.9	60.5	22-23	54.8	15-16	5.7	57.6	1010.1
57.9	58.9	58.9	59.2	59.4	59.1	59.1	58.9	58.9	60.3	9-10	56.7	15	3.6	59.0	1012.0
58.6	58.8	59.0	59.3	60.0	60.4	60.7	60.8	60.8	60.8	23,24	58.4	4,6	2.4	59.3	1012.4
61.9	62.0	61.5	61.8	62.3	62.7	62.8	64.0	64.0	64.0	23,24	60.3	14-15	3.7	61.9	1015.8
62.6	62.2	62.4	62.3	62.0	62.7	62.4	62.0	61.7	65.2	8,9	61.7	24	3.5	63.4	1017.8
56.5	56.1	56.0	55.8	55.3	55.0	54.7	54.5	54.2	62.7	2	54.2	24	8.5	58.8	1011.7
47.3	48.1	48.5	50.0	50.8	51.5	52.5	52.1	53.0	54.2	0	45.7	14-15	8.5	50.3	1000.4
56.9	57.3	58.0	58.5	58.6	59.0	59.4	59.4	59.0	59.4	22,23	52.8	4	6.6	56.6	1008.8
59.0	59.8	60.5	61.2	62.0	62.7	63.0	63.5	63.9	63.9	24	58.0	3	5.9	60.1	1013.4
65.4	65.4	65.8	66.0	65.8	66.3	66.5	66.5	66.5	66.7	10	63.9	0,4	2.8	65.6	1020.8
64.4	64.0	64.0	64.2	64.4	64.4	64.4	64.2	64.2	67.5	9,10	64.0	17,18	3.5	65.7	1020.9
57.7	57.4	57.4	57.5	57.4	57.1	56.8	56.2	56.3	64.2	0	56.2	23	8.0	60.2	1013.6
51.5	51.5	51.8	52.9	53.2	53.4	53.4	53.3	52.7	56.3	0	49.7	10-11	6.6	53.0	1004.0
54.0	54.4	54.6	55.5	55.8	56.5	56.5	56.6	56.7	56.7	24	52.3	2	4.4	54.3	1005.7
54.4	54.1	53.8	53.6	53.4	53.2	53.0	52.4	51.5	58.9	8-9	51.5	24	7.4	55.9	1007.8
50.5	51.1	51.7	52.2	53.0	53.8	54.0	54.2	54.5	54.5	24	47.8	7-8	6.7	51.0	1001.3
53.6	53.7	53.7	54.1	54.3	54.4	54.2	54.2	54.2	55.4	8-9	53.6	16	1.8	54.4	1005.8
50.2	50.3	50.3	50.1	50.4	50.2	49.0	51.2	51.2	55.2	8	48.8	22-23	6.4	52.3	1003.0
52.6	53.6	54.5	54.9	55.8	56.1	56.5	56.8	56.6	56.9	23-24	48.2	1-2	8.7	52.6	1003.4
58.7	58.8	59.1	59.6	60.1	60.6	60.6	60.6	60.6	60.6	varios	56.1	2,3	4.5	58.8	1011.7
57.9	57.8	57.5	57.4	57.4	57.6	57.6	57.9	57.9	61.6	7,8,9	57.4	19,20	4.2	59.4	1012.5
55.9	56.3	56.9	57.4	58.1	58.6	59.1	59.4	59.3	59.4	23	55.9	16	3.5	57.6	1010.1
55.0	54.7	54.9	55.2	55.3	55.4	55.3	55.1	55.0	59.3	0	54.7	17	4.6	56.7	1008.9
55.1	55.3	55.5	55.9	56.2	56.3	56.2	56.2	56.2	57.0	10	54.4	5	2.6	55.6	1007.4
56.2	56.4	56.6	57.0	57.3	57.6	57.7	57.8	57.7	60.0		54.6		5.4	57.4	1009.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
17.5	16.2	15.5	16.0	16.9	17.3	17.9	17.8	17.8	17.9	22	11.6	6,7	6.3	14.6
21.7	20.5	20.0	19.0	16.7	16.5	15.9	14.9	14.0	24.6	13	14.0	24	10.6	19.1
17.2	16.3	13.1	10.9	10.0	8.8	7.1	5.9	5.4	17.9	14,15	5.4	24	12.5	12.3
14.7	13.8	13.1	12.8	12.0	11.9	12.0	12.0	12.1	15.8	13-14	3.2	4-5	12.6	10.7
10.2	10.1	9.7	9.8	9.8	9.4	8.5	8.1	8.3	12.1	0	8.1	23	4.0	10.4
15.4	15.4	13.0	10.7	10.1	9.8	9.2	9.3	8.8	15.7	15-16	8.3	0,2	7.4	10.9
16.2	15.1	14.5	13.8	13.0	12.7	12.8	12.8	12.5	16.4	14,15	7.6	5	8.8	12.4
17.2	15.2	14.6	13.6	11.5	11.2	10.3	7.4	8.2	17.4	15	7.4	23	10.0	12.8
20.9	19.6	16.2	13.6	11.3	10.3	9.3	8.4	7.4	21.3	15	6.0	6-7	15.3	13.2
15.4	14.4	13.7	13.2	13.0	12.8	12.7	12.0	11.9	16.1	14,15	5.7	4-5	10.4	11.8
19.3	17.9	15.2	14.3	13.7	13.7	13.6	13.0	13.1	20.0	12-13	7.0	6-7	13.0	14.1
21.7	20.7	18.2	17.2	16.2	15.8	15.4	14.7	14.7	22.4	14-15	12.0	5-6	10.4	16.6
18.1	18.0	17.0	15.9	14.7	14.1	13.5	13.5	13.7	26.8	14-15	13.2	22-23	13.6	17.8
17.4	16.4	14.2	11.5	8.4	7.2	6.4	5.4	5.5	17.9	15	5.4	23	12.5	13.3
16.9	17.5	15.2	13.9	12.5	11.2	9.9	8.7	8.4	18.3	15	2.6	6	15.7	11.0
17.1	16.3	13.7	11.8	11.1	11.1	10.8	10.0	9.4	17.6	14	2.5	6	15.1	11.0
16.2	16.0	14.6	13.7	13.1	13.2	13.2	12.8	12.3	16.6	15	7.6	6	9.0	12.5
19.9	19.2	17.9	17.4	16.9	16.4	16.3	16.4	16.4	20.4	15	9.3	6-7	11.1	15.4
16.8	16.8	16.9	16.0	14.7	13.7	13.4	12.2	10.5	17.6	14-15	10.5	24	7.1	15.6
21.0	19.4	16.3	13.6	11.7	11.3	10.1	9.6	8.7	21.8	14	7.4	6-7	14.4	13.8
17.7	16.1	15.0	14.7	14.5	14.5	14.3	14.9	14.9	19.4	14	5.9	6	13.5	13.7
19.5	18.6	16.6	16.0	15.8	14.8	13.9	12.9	11.5	21.4	13	11.5	24	9.9	15.8
21.3	20.3	17.0	14.4	12.8	11.0	10.4	9.7	9.9	21.3	16	7.3	6	14.0	14.1
20.7	18.8	17.5	16.7	15.8	15.6	16.5	16.4	14.4	21.2	14	7.2	5-6	14.0	14.8
17.0	16.0	13.8	12.0	10.5	10.1	10.5	8.7	7.8	17.7	15	7.8	24	9.9	13.7
18.5	17.6	14.8	12.7	10.7	9.8	7.9	6.8	6.9	19.1	15	5.3	3	13.8	11.6
21.8	20.7	18.4	17.3	16.6	15.8	14.8	13.9	13.8	22.0	14,15	4.9	4	17.1	14.7
21.6	20.9	19.4	18.0	16.7	15.9	14.6	13.7	13.0	22.5	14-15	12.6	6	9.9	17.2
16.8	16.1	14.7	13.3	12.3	11.9	12.0	12.2	12.3	18.9	13-14	9.6	5-6	9.3	13.7
20.1	17.9	15.8	14.2	12.7	10.7	10.5	8.5	8.4	21.2	15	8.4	24	12.8	14.4
18.2	17.2	15.5	14.3	13.2	12.6	12.1	11.4	11,1	19.3		7.8		11.5	13.8

HUMEDAD RELATIVA en %

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	100	100	99	99	100	100	100	100	100	98	93	93	92	86	86
2	99	98	100	100	100	99	93	88	83	93	86	77	69	75	82
3	97	77	72	70	69	62	59	55	51	47	48	47	42	38	35
4	94	96	99	97	92	100	100	75	69	64	64	61	58	59	59
5	82	79	77	72	64	62	68	83	79	84	93	95	96	97	98
6	100	100	100	100	100	100	100	100	89	81	79	80	78	76	72
7	100	100	100	100	100	100	98	93	87	84	77	74	79	71	72
8	95	99	100	100	100	100	100	100	90	84	71	86	80	73	63
9	100	100	100	100	100	100	100	100	93	96	92	74	69	61	58
10	100	100	100	100	100	100	100	97	91	95	95	88	82	77	81
11	100	100	100	100	100	100	100	100	87	77	66	61	56	49	48
12	75	76	82	88	89	89	90	84	79	76	68	67	63	62	61
13	90	91	90	88	90	90	89	84	80	79	74	70	71	69	77
14	97	100	100	67	69	67	68	63	60	50	44	46	41	36	37
15	96	98	100	100	100	100	97	63	59	63	44	43	50	49	50
16	98	100	100	100	100	100	100	92	81	67	64	52	46	46	45
17	88	89	84	87	88	90	83	76	69	63	56	54	51	49	49
18	74	77	77	82	85	88	84	74	62	58	50	50	48	48	48
19	83	84	84	85	89	90	90	85	85	91	89	100	98	98	95
20	99	93	91	95	96	96	89	79	69	65	61	55	50	42	42
21	94	96	90	96	100	100	100	65	53	35	41	29	22	28	39
22	73	77	78	75	75	79	82	82	100	98	85	69	49	46	48
23	87	89	89	95	91	96	98	69	61	57	54	47	39	35	43
24	99	100	100	100	100	100	93	91	83	74	70	55	47	46	51
25	74	78	89	87	100	100	100	100	89	79	75	69	60	56	55
26	88	90	88	73	75	77	77	72	62	57	49	46	39	39	38
27	93	93	93	95	93	91	80	58	49	44	45	48	48	41	41
28	83	80	78	77	80	80	78	71	63	60	59	56	57	56	59
29	89	86	86	94	96	90	86	75	65	64	56	47	45	43	42
30	97	99	100	100	100	100	100	94	74	63	63	58	54	52	52
31															
Prom.	91	91	92	91	91	92	90	82	75	72	67	63	59	57	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	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.4	10.0	10.5	10.5	10.5	12.0	12.9	13.0
2	14.5	14.5	14.5	14.5	14.5	14.5	15.0	15.1	14.5	15.0	14.5	16.0	15.5	16.5	16.5
3	11.0	8.5	7.4	6.4	6.0	5.4	5.0	5.3	5.8	6.0	6.0	6.6	6.2	5.9	5.0
4	5.8	5.8	5.6	5.6	6.0	6.4	6.4	7.5	7.2	7.2	7.6	7.8	7.4	7.4	7.4
5	8.0	7.8	7.8	7.2	6.0	6.0	6.6	8.0	7.4	8.0	8.5	8.5	8.5	9.3	9.0
6	7.8	7.8	7.8	8.0	8.0	8.0	8.0	8.5	8.0	8.5	8.5	8.5	9.0	9.3	9.0
7	8.0	8.0	8.0	7.4	7.6	7.6	7.8	8.8	9.5	9.5	9.5	9.0	10.0	9.9	10.0
8	10.0	10.0	9.5	9.0	8.5	8.5	8.5	9.9	10.0	10.5	9.5	11.5	11.0	10.8	9.0
9	7.8	8.5	9.0	8.5	8.0	7.2	7.2	10.3	11.5	13.0	13.0	11.0	11.5	11.0	10.5
10	7.2	6.6	6.8	6.8	7.2	7.6	8.0	9.3	11.0	11.0	11.0	10.5	10.5	10.5	11.0
11	9.5	9.0	8.5	7.8	7.4	7.6	7.8	10.3	11.0	11.5	10.5	10.0	9.5	8.4	7.8
12	8.0	8.0	9.0	9.5	9.0	9.0	9.5	10.0	10.0	11.0	11.5	12.0	12.0	12.2	12.5
13	11.0	11.5	11.0	10.5	11.0	11.0	12.0	13.5	14.0	14.5	15.5	15.5	17.0	17.8	14.5
14	11.0	10.5	10.5	8.5	8.5	7.8	7.6	7.0	6.8	6.2	6.4	6.8	6.0	5.4	5.6
15	6.2	5.8	5.6	5.4	5.4	5.2	6.2	6.1	6.8	7.6	5.0	6.4	7.0	7.2	7.4
16	7.6	7.0	6.4	6.2	5.8	5.2	6.2	7.5	10.6	8.0	8.0	7.2	6.8	6.8	6.2
17	7.6	7.2	7.8	7.0	7.0	6.8	7.2	7.4	7.2	6.8	6.8	6.6	7.0	6.6	6.6
18	7.4	7.4	7.2	7.6	7.6	7.8	7.6	7.9	7.6	7.8	7.2	7.6	8.0	8.4	8.5
19	11.0	11.0	11.0	10.5	11.0	11.0	10.5	11.7	11.0	12.5	12.5	13.5	14.0	14.4	13.5
20	8.5	8.0	8.0	7.8	7.6	7.4	7.6	8.6	8.5	9.0	10.0	9.0	9.0	7.7	8.0
21	7.6	7.8	7.2	7.2	6.8	6.6	7.8	7.0	6.8	4.8	6.8	4.4	3.6	4.7	6.0
22	9.0	9.5	9.5	9.0	9.0	9.5	10.0	10.5	10.5	10.0	10.5	10.5	9.0	8.7	8.0
23	8.0	7.8	7.6	7.6	7.4	7.4	8.0	8.2	9.0	9.0	8.5	8.0	6.8	7.1	7.8
24	8.5	8.0	7.6	8.0	7.8	7.4	8.5	9.1	9.5	10.0	9.5	9.0	8.5	8.6	9.5
25	9.0	9.5	10.0	10.0	11.0	10.5	10.5	11.4	9.5	9.0	9.5	9.0	8.5	8.4	7.8
26	6.4	6.0	5.8	5.0	5.0	5.4	5.6	6.2	6.8	7.4	6.6	7.2	6.0	6.3	6.2
27	6.4	6.0	6.0	5.8	6.0	6.2	6.4	7.2	7.2	7.4	7.8	8.5	8.5	7.8	8.0
28	9.0	8.5	9.0	9.0	8.5	8.0	9.0	9.7	9.5	10.0	10.0	11.0	11.5	11.3	11.0
29	9.0	8.5	8.5	8.5	8.5	7.8	8.5	8.6	7.8	8.0	8.0	7.2	6.6	6.8	6.0
30	10.0	10.0	10.0	10.0	10.0	10.0	9.5	9.6	9.0	9.0	9.5	9.5	9.0	9.7	9.5
31															
Prom.	8.7	8.5	8.4	8.1	8.1	8.0	8.3	9.0	9.1	9.3	9.3	9.3	9.2	9.2	9.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
86	91	94	94	93	95	97	98	98	100	varios	85	14-15	15	95
83	87	90	91	81	77	78	88	97	100	varios	65	12-13	35	88
39	42	53	61	64	71	80	87	89	97	0,1	35	15	62	61
64	68	70	71	76	79	83	84	84	100	6,7	57	13-14	43	78
97	97	97	96	97	97	100	100	100	100	varios	62	6	38	88
73	79	91	96	98	99	100	100	100	100	varios	72	15	28	91
78	83	89	94	96	93	90	88	94	100	varios	71	14	29	89
71	86	85	89	96	97	100	100	100	100	varios	63	15-16	37	90
62	63	70	85	94	100	100	100	100	100	varios	56	15-16	44	88
83	91	96	97	93	93	93	92	100	100	varios	76	13-14	24	94
50	58	72	82	86	85	88	90	75	100	varios	48	15	52	80
63	66	70	74	82	85	85	89	89	91	4-5	61	15	30	77
89	85	91	86	92	93	97	96	93	98	22-23	68	14-15	30	86
41	46	59	67	83	85	90	91	87	100	2,3	34	13-14	66	66
54	49	55	57	61	69	79	89	83	100	varios	43	12	57	71
46	47	65	72	76	78	87	88	90	100	varios	42	14-15	58	77
58	56	59	66	66	65	67	62	74	90	0,6	48	14-15	42	69
53	60	67	71	75	78	83	82	80	91	6-7	47	11-12	44	69
95	96	100	97	98	95	93	94	95	100	12,18	80	0	20	92
48	63	76	86	84	88	88	95	94	99	1	38	14-15	61	77
34	40	49	64	79	81	82	73	73	100	5,6,7	19	13-14	81	65
56	59	64	61	61	63	69	74	87	100	9	42	14-15	58	71
39	42	55	67	77	91	97	98	99	99	24	35	14	64	71
49	52	55	58	62	68	67	70	80	100	varios	45	13-14	55	74
50	53	64	72	80	78	72	81	85	100	varios	48	16-17	52	77
40	46	56	65	72	78	88	89	89	92	1-2	36	13-14	56	66
44	48	51	56	61	67	76	85	81	95	4	41	14,15	54	66
59	66	67	76	82	84	83	84	85	85	24	55	12-13	30	72
47	51	60	72	90	92	93	95	97	97	24	41	13-14	56	73
64	70	77	87	93	99	100	100	100	100	varios	52	14,15	48	83
60	65	72	77	82	84	87	89	90	98		52		46	78

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
13.0	12.5	12.0	12.5	13.1	13.5	14.5	14.5	14.5	14.5	22,23,24	10.0	varios	4.5	11.7
15.5	15.5	15.0	15.0	11.5	10.5	10.0	11.0	11.5	16.5	14,15	10.0	22	6.5	14.2
5.4	5.8	5.8	6.0	5.9	6.0	5.8	6.0	5.8	11.5	0	5.0	7,15	6.5	6.2
7.8	7.8	7.6	7.8	8.0	7.8	8.5	8.5	8.5	8.5	22,23,24	5.6	3,4	2.9	7.2
9.0	9.0	8.5	8.5	8.8	8.5	8.0	7.8	7.8	9.3	14	6.0	5,6	3.3	8.0
9.0	10.0	10.0	9.0	9.2	8.5	8.5	8.5	8.0	10.0	17,18	7.8	varios	2.2	8.6
10.5	10.5	10.5	10.5	10.8	10.0	9.5	9.5	10.0	10.8	20	7.4	4	3.4	9.3
10.5	11.0	10.0	10.0	9.8	9.5	9.0	7.4	7.8	11.5	12	7.4	23	4.1	9.6
11.5	10.5	9.0	9.5	9.2	9.0	8.5	7.8	7.4	13.0	10,11	7.2	6,7	5.8	9.6
10.5	11.0	11.0	11.0	10.4	10.0	10.0	10.0	10.0	11.0	varios	6.6	2	4.4	9.5
7.8	8.5	9.0	10.0	10.1	9.5	10.0	9.5	8.0	11.5	10	7.4	5	4.1	9.1
12.0	12.0	10.5	10.5	11.3	11.0	10.5	10.5	10.5	12.5	15	8.0	0,1,2	4.5	10.5
13.5	12.5	13.0	11.5	11.3	11.0	11.0	11.0	10.5	17.8	14	10.5	0,24	7.3	12.7
6.2	6.6	6.8	6.8	6.9	6.2	6.2	6.2	5.8	11.0	1	5.4	14	5.6	7.2
7.4	7.0	6.8	6.8	6.6	6.6	7.0	7.2	6.8	7.6	10	5.0	11	2.6	6.5
6.8	6.6	7.2	7.4	7.6	7.6	8.0	7.8	7.6	10.6	9	5.2	6	5.4	7.2
7.8	7.8	7.0	7.8	7.4	7.0	7.6	6.8	7.6	7.8	16,17,19	6.6	12,14,15	1.2	7.2
9.0	9.5	10.0	10.5	10.8	10.5	11.0	11.5	10.5	11.5	23	7.2	3,11	4.3	8.7
13.0	13.5	13.5	13.0	12.2	10.5	10.5	9.5	8.5	14.4	14	8.5	24	5.9	11.8
8.5	10.5	10.5	10.0	8.4	8.5	8.0	8.0	7.8	10.5	17,18	7.4	6	3.1	8.5
4.8	5.0	6.0	7.8	9.7	10.0	10.0	9.0	9.0	10.0	21,22	3.6	13	6.4	6.9
9.5	9.0	8.5	8.0	8.2	7.8	7.8	7.8	8.5	10.5	varios	7.8	21,22,23	2.7	9.1
7.0	7.6	7.6	8.0	8.4	9.0	9.0	8.5	8.5	9.0	varios	6.8	13	2.2	8.0
8.5	8.5	7.8	8.0	8.4	8.5	9.5	9.0	9.0	10.0	10	7.4	6	2.6	8.6
6.8	7.0	7.2	7.4	8.2	7.0	6.8	6.8	6.4	11.4	8	6.4	24	5.0	8.6
6.0	7.0	7.2	6.8	6.9	7.0	6.8	6.4	6.4	7.4	10	5.0	4,5	2.4	6.3
8.0	8.5	8.0	8.5	8.4	9.0	9.5	9.5	9.5	9.5	22,23,24	5.8	4	3.7	7.7
11.0	12.0	11.0	11.5	11.5	11.0	10.0	9.5	9.0	12.0	17	8.0	6	4.0	10.1
6.8	7.2	7.0	8.0	9.7	9.5	9.5	9.5	10.0	10.0	24	6.0	15	4.0	8.0
9.0	10.0	10.0	10.5	10.2	9.0	9.0	8.0	8.0	10.5	19	8.0	23,24	2.5	9.5
9.1	9.3	9.1	9.3	9.3	9.0	9.0	8.8	8.6	11.1		7.0		4.1	8.9

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	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V
1	E	10	E	10	E	8	E	12	E	13	E	11	E	10	E	13	E	11	E	14	E	14	E	14	E	11	E	14	E	12
2	NE	11	NE	14	NE	10	NE	8	NE	9	NE	10	NE	13	NE	14	NE	16	NE	5	NE	10	N	16	N	17	NE	9	E	9
3	S	12	S	11	S	9	S	8	S	7	S	8	S	11	S	10	S	14	S	14	S	12	S	11	S	14	S	13	S	13
4	C	0	C	0	C	0	SE	2	SE	5	SE	4	E	5	E	9	E	16	E	16	E	17	E	16	E	17	E	16	E	14
5	E	18	E	16	E	18	E	12	E	17	E	16	E	16	E	12	E	15	E	11	E	9	E	20	E	13	E	10	S	5
6	S	2	S	5	S	3	S	5	W	4	W	9	W	6	W	5	SW	8	SW	9	SW	8	SW	10	SW	9	SW	8	S	5
7	NE	6	NE	7	NE	9	NE	10	NE	6	NE	9	NE	9	NE	11	NE	15	NE	13	NE	14	NE	15	NE	7	NE	10	NE	10
8	E	8	E	4	C	1	S	3	S	4	S	4	SE	3	SE	5	E	8	E	4	E	7	NE	9	E	6	E	7	E	9
9	E	5	E	9	E	8	E	6	E	2	C	1	E	4	NE	7	N	9	N	8	NW	8	NW	7	W	5	W	4	SW	6
10	C	0	C	0	C	0	C	0	S	4	S	5	S	2	SE	6	E	8	E	13	E	8	E	6	E	9	E	6	E	4
11	E	2	C	1	C	1	C	0	S	3	C	1	S	2	C	0	E	3	E	5	E	5	E	4	E	7	E	9	E	9
12	NE	8	NE	8	E	8	E	7	E	8	NE	10	NE	15	NE	10	NE	18	NE	16	NE	22	NE	22	NE	23	NE	22	NE	21
13	NE	17	NE	16	NE	15	NE	14	NE	17	NE	21	NE	22	NE	24	N	29	N	29	N	29	N	33	N	33	NW	33	NW	28
14	E	5	S	3	S	4	S	8	S	11	S	14	S	5	S	5	S	9	S	10	S	11	S	12	S	13	S	10	S	9
15	C	1	C	1	W	2	C	1	S	2	C	1	C	0	S	5	C	1	S	3	S	4	S	2	S	5	SE	4	NE	8
16	SE	3	S	3	C	1	C	1	C	1	SW	3	SW	3	SW	3	SW	7	SW	6	S	6	S	7	SE	7	SE	8	SE	5
17	E	6	E	5	E	7	E	6	E	5	E	5	E	8	E	12	E	22	E	20	E	17	E	16	E	14	E	15	E	16
18	NE	13	NE	11	NE	12	NE	12	NE	14	NE	16	NE	12	NE	19	NE	20	NE	20	NE	21	NE	20	NE	20	NE	19	NE	18
19	NE	7	E	8	NE	10	NE	13	NE	13	NE	10	NE	12	NE	13	NE	21	N	24	N	33	NW	25	N	25	N	7	NW	4
20	W	14	W	14	W	8	W	6	W	6	W	7	W	10	W	9	W	12	W	13	W	11	W	14	W	12	W	13	W	15
21	W	3	W	2	SW	5	SW	3	S	2	S	2	NW	2	C	0	E	7	E	7	E	8	E	12	E	13	E	13	E	13
22	NE	16	NE	17	NE	18	NE	18	NE	21	N	20	N	27	N	27	W	18	W	5	W	5	NW	8	W	7	SW	11	SW	14
23	NW	3	W	3	W	6	W	4	SW	6	E	2	C	0	SE	2	E	4	E	6	E	6	N	6	N	5	W	3	C	1
24	NE	3	NE	3	C	1	NE	3	C	1	NE	4	N	6	NW	5	N	18	N	16	N	14	N	13	N	17	N	20	N	21
25	NE	16	NE	15	E	6	E	8	NW	9	W	6	S	2	E	4	S	19	S	21	S	21	S	22	S	19	S	18	S	21
26	W	7	W	10	W	8	W	9	W	8	W	10	W	8	W	8	W	9	W	15	W	17	W	21	W	22	W	23	W	21
27	W	5	W	4	NW	3	NW	2	NW	4	NW	5	NW	4	NW	5	N	9	N	11	N	13	E	15	E	15	N	17	N	25
28	NE	10	NE	13	NE	13	NE	13	NE	11	NE	4	C	1	NW	4	SW	6	E	3	E	5	E	5	E	8	E	7	E	5
29	S	5	S	8	SE	8	SE	5	SE	6	SE	7	SE	6	SE	9	E	14	E	16	E	15	E	16	E	15	E	16	E	16
30	S	3	S	5	S	5	S	4	S	4	S	6	S	7	S	5	S	11	S	10	S	10	S	10	S	10	S	10	S	7
31																														
DIR. PREV.	NE		NE		NE		NE		S		NE		S-NE		NE		E		E		E		E		E		E		E	
Nº de HORAS	10		9		7		8		8		8		6		7		10		11		11		10		11		10		10	
PROM. HOR. DE LA VELOC.		7		8		7		7		7		8		8		9		9		9		13		14		13		12		12

15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		PREVAL. DIARIA		PROM. DIARIO	VELOCIDAD INSTANTÁNEA		
D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	DIR.	Nº de HORAS	DE VELOC.	VELOC.	DIREC.	HORA
E	10	E	12	E	14	E	9	E	10	E	10	E	13	E	10	E	11	E	24	12	15	E	13.20
E	9	E	9	E	4	E	6	S	20	S	15	S	14	S	14	S	12	NE	12	12	38	SW	19.40
S	11	S	8	S	4	S	4	S	5	S	2	C	1	C	0	C	0	S	21	8	22	SW	12.18
E	17	E	13	E	13	E	10	E	11	E	15	E	20	E	24	E	20	E	18	12	26	E	21.34
S	5	S	5	SE	4	E	6	C	1	S	2	S	3	S	6	S	4	E	15	10	24	E	11.52
S	4	C	0	C	0	C	1	E	4	E	3	NE	3	NE	5	NE	2	S-SW	6	5	11	W	9.42
E	6	E	4	E	8	S	2	S	3	S	4	S	11	S	6	E	12	NE	15	6	17	S	21.45
E	5	S	7	E	4	E	6	E	2	E	6	E	2	C	1	SE	4	E	14	5	10	E	11.24
S	3	S	4	S	2	C	0	C	0	C	0	C	1	C	0	C	0	C	7	4	8	SW	14.34
E	4	S	5	SE	9	E	8	E	7	SE	4	SE	6	SE	2	S	2	E	10	5	14	E	9.44
E	7	E	9	E	8	E	10	E	10	E	10	E	7	E	5	NE	9	E	16	5	11	NE	23.50
NE	19	NE	18	NE	11	NE	10	NE	10	NE	11	NE	18	NE	15	NE	16	NE	21	14	30	N	14.55
S	20	S	14	S	11	S	8	SE	2	SE	5	SE	5	SE	5	E	6	NE	8	18	64	W	14.48
S	6	SW	3	C	0	W	3	W	2	W	3	C	1	W	3	N	2	S	15	6	23	SW	5.09
NE	11	E	7	SW	8	SW	8	SW	10	SW	10	SW	8	S	7	SE	5	S	7	5	21	SW	16.50
S	5	S	3	E	4	E	5	E	6	E	9	E	7	E	7	E	4	E	7	5	10	S	11.26
E	16	E	15	E	11	E	8	E	8	E	7	E	10	NE	11	NE	13	E	22	11	24	E	10.26
NE	17	E	15	E	11	E	13	E	12	E	12	E	12	E	10	NE	15	NE	17	15	30	NE	9.13 13.18
N	18	N	24	N	25	N	25	W	15	W	20	W	19	W	18	W	15	N-NE	8	17	54	N	10.36
W	15	W	10	W	6	W	3	NW	4	W	5	W	4	SW	4	C	1	W	21	9	22	W	13.50 13.58
E	15	E	14	E	12	E	11	E	12	E	11	E	8	NE	12	NE	13	E	14	8	16	E	13.32
SW	10	W	3	W	5	SW	6	S	9	S	5	S	3	S	3	S	2	W	6	12	37	SW	8.04
W	5	W	3	C	0	E	2	C	1	C	1	NE	3	NE	2	NE	5	W	6	3	5	N	11.33
N	17	N	15	N	10	NE	5	NE	6	NE	7	NE	15	NE	8	NE	7	N	11	10	22	N	14.04
SW	18	W	20	W	12	W	11	W	11	W	11	SW	12	W	7	W	7	W-S	8	13	34	SW W	14.02 16.04
W	18	W	15	W	9	W	8	W	6	W	4	W	4	W	4	W	4	W	24	11	34	W	12.34
N	21	N	17	N	15	N	12	N	10	N	11	NE	7	NE	7	NE	10	N	11	10	24	N	13.42
E	7	E	5	E	3	S	4	S	6	S	7	S	8	S	6	S	6	E	9	7	14	NE	3.08
E	14	E	11	E	6	E	6	E	5	C	1	SE	2	SE	3	S	2	E	12	9	20	E	8.58
E	8	E	9	E	7	E	2	E	3	E	2	E	2	C	0	C	0	S	15	6	10	S	13.56

PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
DIR.	HORAS		96 Km.		
E	209	9	DIREC.	DIA	HORA
			W	13	de 11.15 a 11.20
			N	19	de 10.40 a 10.45

E		E		E		E		E		E		E		NE		NE	
12		12		13		14		12		10		9		7		9	
	11		10		8		7		7		7		8		7		7

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	276												276
2	2	33	12	129	5	37			5	75								274
3									21	201							3	202
4					18	269	3	11									3	280
5					15	209	1	4	7	30							1	244
6			3	10	2	7			6	24	6	52	4	24			3	118
7			15	151	4	30			5	26								207
8			1	9	14	78	3	12	4	18							2	119
9	2	17	1	7	6	34			3	9	1	6	2	9	2	15	7	99
10					10	73	5	27	5	18							4	118
11			1	9	16	110			2	5							5	127
12			21	323	3	23												346
13	5	153	8	146	1	6	4	17	4	53					2	61		436
14	1	2			1	5			15	130	1	3	4	11			2	152
15			2	19	1	7	2	9	7	28	5	44	1	2			6	114
16					7	42	4	23	5	24	5	22					3	114
17			2	24	22	249												273
18			17	279	7	85												364
19	8	181	8	99	1	8							5	87	2	29		404
20											1	4	21	207	1	4	1	216
21			2	25	14	156			2	4	2	8	2	5	1	2	1	200
22	3	74	5	90					5	22	4	41	6	43	1	8		278
23	2	11	3	10	5	20	1	2			1	6	6	24	1	3	5	79
24	11	167	10	61											1	5	2	235
25			2	31	3	18			8	143	2	30	8	85	1	9		316
26													24	268				268
27	11	161	3	24	2	30							2	9	6	23		247
28			6	64	9	48			6	37	1	6			1	4	1	160
29					12	150	8	46	3	15							1	212
30					7	33			15	107							2	140
31																		
SUMAS	45	799	122	1510	209	2003	31	151	128	969	29	222	85	774	19	163	52	6618
% PREVAL POR VELOCIDAD	12.1		22.8		30.3		2.3		14.6		3.3		11.7		2.5		0.4	VELOCIDAD MEDIA DIARIA EN EL MES 221
VELOCIDAD MEDIA POR DIRECCIÓN	18		12		10		5		8		8		9		8		0.5	

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1		10	7	1	4		4	1	3
1 - 2		9	6		6		5		4
2 - 3		7	6	1	4	1	4	1	6
3 - 4		8	6	2	5	1	3	1	4
4 - 5		7	5	2	8	1	3	2	2
5 - 6	1	8	4	2	6	1	4	1	3
6 - 7	2	6	5	2	6	1	3	2	3
7 - 8	1	7	5	4	4	1	3	3	2
8 - 9	4	5	10		4	3	3		1
9 - 10	5	4	11		5	2	3		
10 - 11	4	4	11		6	1	3	1	
11 - 12	4	4	10		6	1	2	3	
12 - 13	5	3	11	1	5	1	4		
13 - 14	3	4	10	2	4	2	4	1	
14 - 15	2	4	10	1	6	2	2	2	1
15 - 16	3	3	12		7	2	3		
16 - 17	3	1	12		7	1	5		1
17 - 18	3	1	13	2	3	1	4		3
18 - 19	2	2	14		4	2	4		2
19 - 20	1	2	12	1	5	1	4	1	3
20 - 21	1	2	10	2	6	1	5		3
21 - 22		5	9	3	5	2	3		3
22 - 23		7	5	3	6	1	4		4
23 - 24	1	9	5	2	6		3		4
SUMAS	45	122	209	31	128	29	85	19	52
% de frec. por dirección	6.2	16.9	29.0	4.3	18.0	4.0	11.8	2.6	7.2

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	Niebla	8	St	8	As	8	Ac As	8	Ac As	8	92	99	98
2	Fs 1 Ac As 7	8	Cb	7	Sc St	7	Sc	8	Sc	8	7	6	9
3	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	9
4	Ac	4	Ci	6	Ac 3 Ci 4	7	Sc	8	St Fs	8	8	8	8
5	Ac As	8	Ns	8	Fs	8	Ac As	8	As	8	9	9	9
6	Sc	7	Sc	8	Sc	7	Ac	1	Ac	1	9	8	8
7	Ci	8	Sc	8	Sc	6	Fs	7	Cb	5	9	8	8
8	Ac As 2 Ci 6	8	Cu 1 Ac 4 Cu 3	8	Ac 4 Cu 4	8	Ac	8	Claro	0	5	6	7
9	Ci	3	Claro	0	Cu	2	Claro	0	Claro	0	8	7	8
10	Ac	7	Sc	8	Ac	8	Cb	8	Sc	8	5	5	6
11	Cc 1 Ci 1	2	Cu	2	Cu 1 Ci 1	2	Sc	2	Ac	1	4	8	8
12	Ac 2 Ci 6	8	Ci	7	Ci	7	Ci	1	Claro	0	9	9	9
13	Ci	6	Ci 2 Cu 3	5	Cu 4 Ci 2	6	Cb	3	Cb	2	8	8	8
14	As 7 Ci 1	8	As 1 Ci 7	8	Cs	5	Cs	3	Claro	0	9	9	9
15	Cb 1 Ac 2 Ci 1	4	Ac Aq	8	Sc 1 As 6 Ci 1	8	Cb	2	Claro	0	8	7	9
16	Claro	0	Claro	0	Cu	1	Ci	2	Cc	3	9	9	9
17	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	8	9
18	Claro	0	Claro	0	Ac 2 Ci 1	3	Ci	6	Ci	8	9	8	9
19	As	8	Ns	8	Sc	8	Fs	8	St	8	9	9	7
20	Claro	0	Claro	0	Claro	0	Ci	2	Claro	0	9	9	9
21	Ac	6	Ci	1	Ci	8	Cs	7	Cs	7	8	8	9
22	Fs	8	Ac	3	Ci	7	Ac 3 Ci 5	8	Ac 2 Ci 6	8	8	9	8
23	Cs	7	Cs	8	Cs	8	Claro	0	Ci	3	7	9	9
24	Sc	7	Ac	4	Ac 1 Ci 4	5	Ci	4	Ci	2	8	9	8
25	Fs	8	Cu 5 Ci 2	7	Cu	5	Claro	0	Claro	0	9	9	9
26	Claro	0	Claro	0	Ci	1	Ci	1	Claro	0	9	8	8
27	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	9	9
28	Ci	3	Claro	0	Claro	0	Sc	7	Cb	4	8	7	8
29	Sc 3 Ac 1	4	Sc 1 Ac 3 Ci 1	5	Sc	7	Ci	1	As	3	8	8	8
30	As	3	Ci	1	Ci	7	Ci	6	Claro	0	9	9	9
31													
Prom.		5		4		5		4		3			

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0–8	Insolación	Transparencia	Observaciones
	9	16.5	13.5	0.24	8	0	2	N.
	10	19.9	14.6	0.43	8	0	2	Ne.
1	12	19.4	14.8	0.37	8	0	3	Ne.
	14	27.1	19.7	0.60	8	1	5	
	15	20.9	18.2	0.22	8	0	5	
	9	23.7	20.8	0.24	8	0	4	Ne.
	10				8	0	4	Ne.,Am.
2	12	37.0	26.0	0.88	7	2	4	Ne.
	14	31.5	25.8	0.46	7	2	3	Ne.
	15	21.9	21.5	0.03	8	0	4	Ne.
	9	34.5	18.2	1.33	2	5	5	
	10	36.5	20.0	1.34	3	5	5	
3	12	39.7	22.3	1.41	0	5	5	
	14	39.3	22.5	1.36	0	5	5	
	15	36.7	21.4	1.24	0	5	5	
	9	26.0	15.8	0.83	7	2	5	
	10	34.8	18.4	1.33	4	5	5	
4	12	36.7	20.3	1.33	6	5	5	
	14	34.4	20.0	1.17	7	3	5	
	15	23.8	17.0	0.55	8	1	5	
	9				8	0	5	Am.
	10				8	0	5	Z.
5	12				8	0	4	LL.
	14				8	0	5	Z.
	15				8	0	5	Z.
	9	24.0	14.4	0.76	8	2	5	
	10	21.1	14.1	0.57	8	0	5	
6	12	28.1	16.8	0.92	8	1	5	
	14	32.2	19.9	1.00	7	3	5	
	15	35.8	19.3	1.34	1	5	5	
	9	30.4	17.1	1.08	7	4	5	
	10	22.3	15.8	0.53	8	1	5	
7	12	19.5	16.2	0.27	8	0	5	
	14	23.0	18.5	0.36	6	3	5	
	15	21.3	17.7	0.29	8	0	5	
	9	25.8	16.2	0.76	8	2	4	Ne.
	10	32.2	18.9	1.08	8	4	3	Ne.
8	12	33.2	19.6	1.10	8	4	3	Ne.
	14	25.0	18.3	0.54	8	1	3	Ne.
	15	25.7	19.0	0.54	8	2	3	Ne.
	9	31.6	19.0	1.02	3	3	5	
	10	39.5	21.8	1.44	5	5	5	
9	12	40.5	23.4	1.39	0	5	5	
	14	41.6	25.0	1.35	2	5	4	B.
	15	36.1	23.4	1.03	1	5	4	B.
	9	22.4	15.8	0.54	6	2	1	N.
	10	24.2	16.4	0.63	8	0	3	Ne.
10	12	19.7	15.4	0.35	8	0	4	Ne.
	14	23.0	17.5	0.45	8	0	3	Ne.
	15	17.3	15.8	0.12	8	0	3	Ne.
	9	34.8	19.6	1.24	0	5	4	Ne.
	10	38.4	21.8	1.25	0	5	4	Ne.
11	12	40.5	24.0	1.34	2	5	5	
	14	40.4	24.1	1.33	2	5	5	
	15	38.3	23.2	1.23	2	5	5	
	9	26.1	17.9	0.67	8	1	5	
	10	34.5	21.3	1.07	8	1	5	
12	12	41.8	25.8	1.30	7	5	5	
	14	42.8	26.7	1.31	7	5	5	
	15	39.7	25.6	1.15	7	5	5	
	9	30.5	23.0	0.61	7	1	5	
	10	31.0	23.8	0.58	7	1	5	
13	12	40.8	29.9	0.89	5	2	5	
	14	41.5	30.4	0.90	6	3	5	
	15				8	0	5	Am.
	9	21.8	15.6	0.50	8	1	5	
	10	26.5	18.0	0.67	8	2	5	
14	12	34.2	20.7	1.10	8	3	5	
	14	39.3	22.5	1.36	5	5	5	
	15	38.2	22.4	1.28	4	5	5	
	9	21.7	15.5	0.50	7	0	5	
	10	23.7	16.2	0.61	7	0	5	
15	12	28.8	20.1	0.71	8	0	5	
	14	-	-	-	8	0	4	s/Obs.
	15	36.3	21.8	1.18	4	5	4	B.
	9	34.2	17.2	1.38	0	5	5	
	10	37.3	19.4	1.46	0	5	5	
16	12	38.8	22.0	1.36	0	5	5	
	14	39.2	22.4	1.36	1	5	5	
	15	37.8	21.5	1.33	1	5	5	

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0–8	Insolación	Transparencia	Observaciones
	9	32.9	16.7	1.32	0	5	5	
	10	35.2	18.3	1.37	0	5	5	
17	12	37.1	20.2	1.37	0	5	5	
	14	37.4	21.0	1.33	0	5	5	
	15	35.8	20.6	1.24	0	5	5	
	9	34.8	19.2	1.27	0	5	5	
	10	38.4	21.7	1.36	0	5	5	
18	12	39.7	23.7	1.30	0	5	5	
	14	40.8	24.9	1.29	3	5	5	
	15	38.5	24.3	1.15	8	5	5	
	9	17.6	16.6	0.08	8	0	5	
	10				8	0	5	Z.
19	12				8	0	5	Z.
	14				8	0	5	Am.
	15				8	0	5	LL.
	9	38.4	21.4	1.38	0	5	5	
	10	40.2	22.7	1.42	0	5	5	
20	12	42.6	25.6	1.38	0	5	5	
	14	44.5	26.3	1.48	0	5	5	
	15	41.2	25.4	1.28	1	5	5	
	9	36.7	19.7	1.38	3	5	5	
	10	35.9	21.0	1.21	1	5	5	
21	12	40.2	23.5	1.36	1	5	5	
	14	41.8	24.4	1.41	8	5	5	
	15	27.5	19.7	0.63	8	2	5	
	9				8	0	5	LL.
	10				8	0	5	Am.
22	12	41.5	24.4	1.39	3	5	5	
	14	37.5	24.8	1.03	7	4	5	
	15	35.4	23.3	0.98	8	4	5	
	9	34.2	20.8	1.09	7	5	4	B.
	10	31.1	20.7	0.84	8	4	3	B.
23	12	38.4	24.0	1.17	8	5	5	
	14	37.5	24.0	1.10	8	5	5	
	15	36.7	23.7	1.06	8	5	5	
	9	24.5	16.3	0.67	7	2	5	
	10	42.0	23.3	1.52	6	5	5	
24	12	42.3	25.3	1.38	4	5	5	
	14	38.5	25.2	1.08	5	5	5	
	15	32.9	23.5	0.76	8	3	5	
	9	27.8	16.8	0.88	8	2	5	
	10	27.4	17.0	0.84	8	1	5	
25	12	35.8	20.8	1.22	7	2	5	
	14	36.8	21.9	1.21	5	5	5	
	15	38.3	21.9	1.33	1	5	5	
	9	36.1	18.4	1.44	0	5	5	
	10	39.0	20.7	1.49	0	5	5	
26	12	40.9	23.5	1.41	0	5	5	
	14	40.1	23.3	1.36	1	5	5	
	15	38.9	22.7	1.32	1	5	5	
	9	39.2	22.5	1.36	0	5	5	
	10	41.6	24.2	1.41	0	5	5	
27	12	40.7	25.7	1.22	0	5	5	
	14	43.2	27.2	1.30	0	5	5	
	15	41.8	26.7	1.23	0	5	5	
	9	39.5	23.0	1.34	1	5	5	
	10	41.9	24.7	1.40	1	5	5	
28	12	42.7	26.7	1.30	0	5	4	B.
	14	39.7	25.7	1.14	0	5	3	B.
	15	36.5	24.4	0.89	2	5	4	B.
	9	26.3	17.5	0.72	6	2	5	
	10	37.8	21.3	1.34	4	5	5	
29	12	37.0	22.7	1.16	5	5	5	
	14	27.0	20.5	0.53	7	2	5	
	15	25.5	19.0	0.53	7	2	5	
	9	38.0	20.4	1.43	3	5	5	
	10	40.4	22.2	1.48	4	5	5	
30	12	42.4	24.6	1.45	1	5	5	
	14	42.3	25.5	1.36	7	5	5	
	15	40.9	25.0	1.29	7	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															0.0	11.3	00
2							0.1	0.8	0.1						1.0	11.3	09
3			0.5	1.0	1.0	0.3	0.6	1.0	1.0	1.0	1.0	1.0	0.4		8.8	11.4	77
4			0.5	0.5	0.2	1.0	1.0	1.0	1.0	0.8					6.0	11.4	53
5															0.0	11.4	00
6				0.2	0.1	0.5	0.9	0.6	0.6	1.0	1.0	1.0	0.6		6.5	11.5	56
7			0.6	1.0	0.3				0.3						2.2	11.5	19
8						0.2	0.1	0.7		0.5	0.3				1.8	11.5	16
9			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3		9.6	11.6	83
10			0.5	0.9	0.1			0.1	0.1						1.7	11.6	15
11			0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			9.3	11.6	80
12					0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5		7.8	11.7	67
13			0.4	0.8	0.4	0.5	1.0	0.9	0.9	0.3		0.6			5.8	11.7	50
14					0.5	0.7	1.0	1.0	0.8	1.0	0.7				5.7	11.7	49
15			0.6	0.6	0.3	0.7	0.6		0.6	0.5	0.9	0.5	0.5		5.8	11.8	49
16		0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		10.7	11.8	91
17		0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5		11.0	11.9	92
18		0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.7	0.4	0.4		9.8	11.9	82
19															0.0	11.9	00
20		0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3		10.8	12.0	90
21			0.5	0.9	0.9	1.0	1.0	1.0	1.0	0.5	0.5	0.5			7.8	12.0	65
22						0.4	1.0	1.0	1.0	0.9	0.5				4.8	12.0	40
23			0.6	1.0	0.9	0.6	1.0	1.0	0.9	0.3	0.8	1.0	0.4		8.5	12.1	70
24					0.6	0.8	0.7	0.8	0.9	1.0	0.8	0.5			6.1	12.1	50
25					0.4	0.2	1.0	1.0	1.0	1.0	1.0	1.0	0.5		7.1	12.1	59
26		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	12.2	93
27		0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4		10.7	12.2	88
28			0.6	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.5				7.9	12.3	64
29			1.0	1.0	0.7	1.0	1.0	1.0	1.0	0.2	0.3				7.2	12.3	58
30				0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1		8.7	12.3	71
31																	
Medias		0.1	0.4	0.6	0.6	0.6	0.7	0.8	0.7	0.7	0.6	0.5	0.2		6.5	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	13.5	15.0	15.4	13.2	14.0	14.3	11.3	11.4	11.8	11.8	11.8	11.8	-	-	-
2	15.6	17.6	15.0	14.7	15.6	16.0	12.3	12.6	13.0	12.3	12.4	12.8	-	-	-
3	13.4	16.4	14.3	14.0	15.2	14.6	12.4	12.3	12.7	12.8	12.5	12.7	-	-	-
4	11.4	15.0	12.5	11.1	14.0	13.8	12.4	13.6	11.8	11.3	12.0	11.8	-	-	-
5	12.9	12.5	12.6	12.9	12.8	12.6	11.4	11.3	11.0	12.0	12.0	11.8	-	-	-
6	12.0	15.2	13.7	12.0	13.6	13.6	10.5	11.0	11.5	11.3	11.3	11.5	-	-	-
7	11.8	14.0	14.0	12.0	13.0	13.4	10.7	11.0	11.4	10.7	11.4	11.4	-	-	-
8	12.6	15.4	14.4	12.6	14.0	14.1	11.0	11.3	12.0	11.5	11.5	12.0	-	-	-
9	12.2	17.8	15.6	12.3	15.2	15.2	11.0	11.7	12.6	11.6	11.8	12.6	-	-	-
10	12.7	15.0	14.3	13.0	14.0	14.0	11.8	11.8	12.0	12.2	12.2	12.0	-	-	-
11	12.6	17.4	15.6	12.8	15.4	15.2	11.6	12.0	13.0	12.2	12.2	12.7	-	-	-
12	14.0	18.0	16.3	13.9	15.8	15.8	12.2	12.7	13.4	13.0	12.8	13.2	-	-	-
13	15.3	19.4	17.2	14.8	16.8	16.7	13.0	13.6	14.0	13.2	13.4	13.8	-	-	-
14	15.0	16.5	15.5	15.0	16.2	15.7	13.2	13.2	13.8	13.6	13.6	13.8	-	-	-
15	12.2	15.7	14.6	12.9	14.6	14.6	12.3	12.4	12.6	13.2	12.8	12.8	-	-	-
16	11.5	17.0	14.8	12.4	15.2	14.8	11.8	12.0	15.0	12.4	12.3	13.2	-	-	-
17	12.4	16.6	14.6	12.9	15.0	14.6	12.0	12.3	12.6	12.9	12.8	12.7	-	-	-
18	13.0	17.3	16.2	13.1	15.4	15.4	12.0	12.4	13.0	12.7	12.8	13.0	-	-	-
19	15.4	15.8	16.0	14.8	15.0	15.2	13.0	13.0	13.2	13.4	13.2	13.3	-	-	-
20	13.2	19.0	16.0	13.5	19.8	16.0	12.3	13.0	13.6	12.8	13.0	13.4	-	-	-
21	13.0	17.4	14.3	13.4	15.9	15.2	12.4	12.6	12.2	13.1	12.9	13.3	-	-	-
22	14.6	18.6	16.6	14.4	16.3	16.2	12.6	12.8	14.0	13.2	13.1	13.0	-	-	-
23	13.4	18.3	16.3	14.0	16.4	16.2	13.0	13.1	14.0	13.4	12.5	13.7	-	-	-
24	13.6	17.7	16.4	14.0	15.9	15.9	12.7	13.0	13.8	13.6	13.4	13.8	-	-	-
25	15.0	17.6	15.6	14.8	16.2	15.6	13.0	13.3	13.6	13.5	13.5	13.6	-	-	-
26	12.6	18.0	15.6	13.2	16.0	15.4	12.6	13.0	13.4	13.6	13.4	13.6	-	-	-
27	12.2	18.0	16.0	12.9	16.0	15.7	12.0	12.5	13.3	13.0	13.0	13.3	-	-	-
28	14.4	19.7	17.8	14.4	17.3	17.1	13.8	12.5	14.3	13.4	12.5	14.0	-	-	-
29	14.8	18.6	16.6	15.1	17.1	16.4	13.7	13.8	14.6	14.3	14.6	14.6	-	-	-
30	15.4	20.0	17.3	15.4	17.8	17.1	13.8	14.1	15.0	14.4	14.2	14.8	-	-	-
31															
Prom.	13.4	17.0	15.4	13.5	15.5	15.2	12.3	12.5	13.1	12.7	12.7	13.0	-	-	-

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	0.2	0.3	1.0							10205
2	0.0	0.0	0.0	0.0	0	0.5	0.8	0.5	2.7							10177
3					0	1.4	1.9	1.5	3.9							10215
4	0.1	0.3	0.0	0.0	0	0.5	1.3	1.1	3.5	C.14	16.6	16.1	22.8			10224
5	5.5	5.5	4.5	4.1	0	1.1	0.3	0.1	0.4							10215
6					2	0.0	0.5	0.5	1.0							10213
7	0.0	0.2	0.0	0.0	1	0.0	0.8	0.5	1.8							10212
8	0.0	0.0	0.0	0.0	1	0.5	0.5	0.6	1.1							10214
9					0	0.0	0.7	1.0	1.8	C.15	16.5	16.5	23.6	21.2	17.8	10211
10	0.0	0.1	0.0	0.0	0	0.1	0.3	0.3	0.8							10222
11					0	0.2	1.1	1.2	3.2							10229
12					0	0.9	1.6	1.7	4.3							10219
13	0.0	0.3	0.0	0.0	0	1.0	1.5	1.2	4.0							10188
14					0	1.3	2.2	1.3	4.0	C.16	14.5	14.3	21.4			10203
15					0	0.5	1.2	1.4	3.4							10219
16					0	0.8	1.5	1.1	3.5							10252
17					0	0.9	1.5	1.4	4.6							10252
18					0	1.7	1.9	1.7	4.9							10240
19	3.0	3.3	2.2	2.0	0	1.3	0.6	0.3	1.4	C.17	13.4	13.9	20.4			10201
20					1	0.5	1.4	1.3	3.1							10208
21					0	0.4	2.0	1.6	5.3							10232
22	9.8	11.0	9.4	8.8	0	1.7	0.6	1.5	2.6							10205
23					2	0.5	1.6	1.1	2.9							10234
24	7.8	8.2	7.5	6.6	1	0.2	1.3	1.8	4.3	C.18	12.9	14.6	20.2			10235
25					2	1.2	1.3	1.0	3.2							10225
26					1	0.9	1.6	1.5	3.9							10253
27					0	0.8	2.0	2.8	6.0							10265
28					0	1.2	1.2	0.8	3.0							10262
29					0	1.0	1.5	1.1	3.0	C.19	13.4	15.9	23.3	20.2		10263
30					0	0.4	1.2	1.2	2.8							10255
31																
Prom.	26.2	28.9	23.6	21.5	-	0.7	1.2	1.1	3.0	-	-	-	-	-	-	10225

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		
-	-	-	13.6	13.6	13.6	15.2	16.6	8.3	Cn. m. t. y n., N. m., Ne. t.
-	-	-	13.7	13.7	13.7	15.3	16.6	14.5	Cn. m. t. y n., Ne. m. t. y n., Ru. CH. m.
-	-	-	13.7	13.8	13.8	15.2	16.6	4.0	Ca. m. t. y n., r. n.
-	-	-	13.8	13.8	13.8	15.2	16.6	-0.8	Cn. m. t. y n., N. m., CH. t., h. m.
-	-	-	14.0	14.0	14.0	15.2	16.5	7.8	Cn. m. t. y n., LL. Z. m. y t., Ru. t.
-	-	-	14.0	14.1	14.0	15.2	16.5	2.7	Cn. m. t. y n., Ns. t., r. n.
-	-	-	14.0	14.1	14.1	15.2	16.5	3.1	Cn. m. t. y n., r. m., Ru. LL. t., R. n.
-	-	-	14.0	14.1	14.0	15.2	16.5	4.6	Cn. m. t. y n., Ne. m. t. y n., CH. t.
-	-	-	14.0	14.0	14.0	15.2	16.5	-1.8	Ca. m. t. y n., r. m. y n, B. t, N. m, S. t, h. m.
-	-	-	14.1	14.1	14.1	15.2	16.4	3.1	Cn. m. t. y n., Ne. m. t. y n., Z. m. y t.
-	-	-	14.1	14.2	14.2	15.2	16.4	2.3	Ca. m. t. y n., Ne. m.
-	-	-	14.2	14.2	14.2	15.2	16.5	8.7	Cn. m. y t., Ca. n., r. m.
-	-	-	14.4	14.4	14.4	15.3	16.5	10.7	Cn. m. y t., Ca. m., Ru. CH. y., R. n.
-	-	-	14.5	14.5	14.5	15.3	16.5	7.2	Cn. m. y t., Ca. n., r. Jl. n.
-	-	-	14.6	14.6	14.6	15.3	16.5	0.0	Cn. m. y t., Ca. n., h. r. m., B. t.
-	-	-	14.5	14.6	14.7	15.3	16.4	-2.8	Ca. m. t. y n., h. m., r. m.
-	-	-	14.7	14.7	14.7	15.3	16.4	2.4	Ca. m. t. y n., r. m.
-	-	-	14.7	14.7	14.7	15.3	16.4	5.8	Ca. m., Cn. t. y n., Dl. Jl. n.
-	-	-	-	-	-	15.4	16.4	12.4	Cn. m. t. y n., LL. m. y t., Ru. m.
-	-	-	-	-	-	15.5	16.3	2.2	Ca. m. t. y n., r. n.
-	-	-	-	-	15.1	15.4	16.4	1.1	Cn. m. t. y n., Dl. Jl. n., r. m.
-	-	-	15.1	15.1	15.1	15.5	16.4	10.2	Cn. m. t. y n., Ru. CH. LL. m.
-	-	-	15.1	15.1	15.1	15.5	16.4	3.0	Cn. m. y t., Ca. n., Ne.m., Ns. t., r.Ns. n.
-	-	-	15.2	15.2	15.2	15.5	16.4	2.2	Cn. m. y t., Ca. n., r. CH. m.
-	-	-	15.4	15.4	15.4	15.5	16.4	9.0	Cn. m. y t., Ca. n., r. n.
-	-	-	15.3	15.4	15.4	15.5	16.4	1.4	Ca. m. t. y n.
-	-	-	15.3	15.4	15.4	15.5	16.4	-0.2	Ca. m. t. y n., r. m.
-	-	-	15.4	15.4	15.4	15.5	16.4	5.0	Ca. m. y t., Cn. n., r. m., B. t., R. n.
-	-	-	15.4	15.4	15.5	15.5	16.4	4.7	Cn. m. y t., Ca. n.
-	-	-	15.6	15.7	15.7	15.5	16.4	6.9	Ca. m. y n., Cn. t., r. Ns. n.
-	-	-	14.5	14.6	14.6	15.3	16.4	4.6	

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	Teóricas Astronómicas	Relativa
	mm. mb.	mm. mb.			mm. mb.			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	57.8	64.0	10	23,24	44.9	2	14	12.8	17.5	7.7	24.6	2	13	3.2	4	4-5	3.8	11.4	33
2ª	58.8	67.5	17	9,10	45.7	13	14-15	14.1	19.9	7.8	26.8	13	14-15	2.5	16	6	7.7	11.8	65
3ª	55.4	61.6	27	7,8,9	47.8	22	7-8	14.4	20.5	8.0	22.5	28	14-15	4.9	27	4	8.0	12.2	66
MES	57.4	67.5	17	9,10	44.9	2	14	13.8	19.3	7.8	26.8	13	14-15	2.5	16	6	6.5	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	86	100	varios	35	3	9.4	16.5	5.0	E	11	60	4	24	4	22-23	38	SW	2	19.40	6.1	5.5	5	4.0	5	12-13
2ª	76	100	varios	34	14	8.9	17.8	5.0	NE	15	96	13; 19	33	13 19	11-14 10-11	64	W	13	14.48	3.6	3.3	19	1.5	19	14-15
3ª	72	100	varios	19	21	8.3	12.0	3.6	E	9	72	22	27	22	6-8	37	SW	22	8.04	19.2	11.0	22	9.5	22	8.30-9.30
MES	78	100	varios	19	21	8.9	17.8	3.6	E	10	96	13; 19	33	13 19	11-14 10-11	64	W	13	14.48	28.9	11.0	22	9.5	22	8.30-9.30

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	5	2	-	-	-	2	2	-	-	-	-	-	-	3	3
2ª	8	1	1	-	-	-	-	1	-	-	-	-	-	-	2	2	2
3ª	8	2	1	-	2	-	-	2	-	-	-	-	-	-	-	3	4
MES	21	4	7	2	2	-	-	5	2	-	-	-	-	-	2	8	9

DÉCADA	FENÓMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Granizada blanda	Granizada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
1ª	4	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-
2ª	6	-	-	-	-	-	-	-	1	-	-	-	1	-	1	-
3ª	5	-	-	-	-	1	1	-	1	-	-	2	2	-	-	-
MES	15	-	-	-	-	1	1	-	2	-	-	2	8	-	1	-

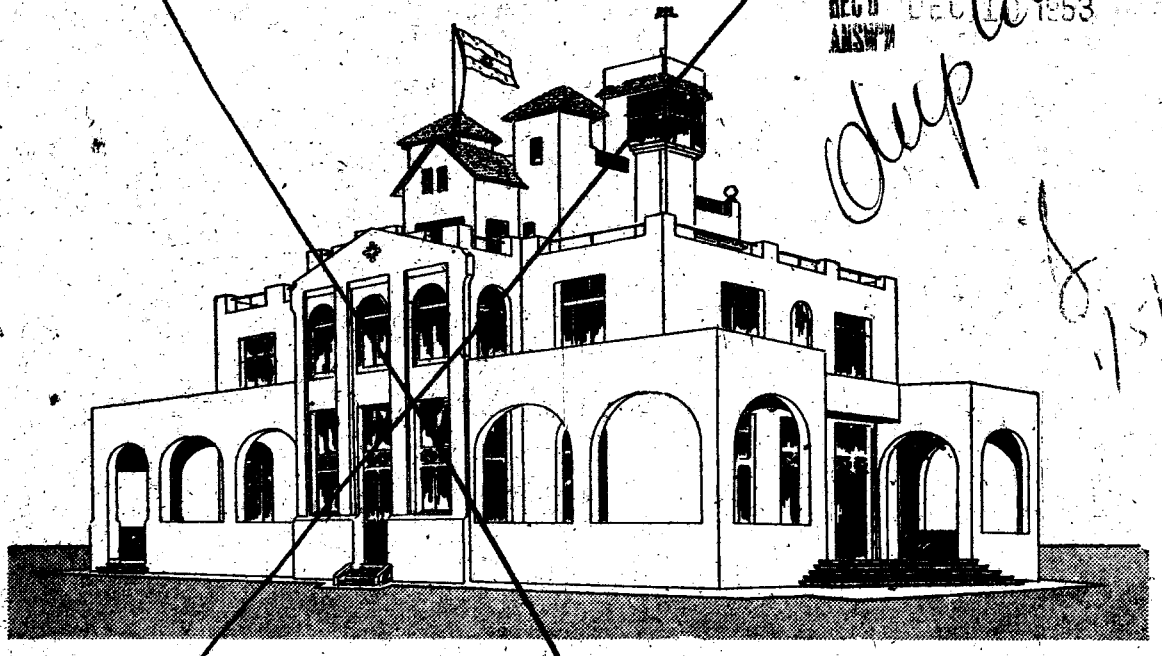
OBSERVATORIO DE FISICA COSMICA

DE

SAN MIGUEL (R. ARGENTINA)

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

AMERICAN GEOPHYSICAL UNION
REC'D DEC 10 1953
ANSWD



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BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VII OCTUBRE 1952 Nº 10

RESUMEN MENSUAL

Los primeros días del mes son frescos, con viento S y cielo nublado. El día 3 gira el viento al N provocando ascenso pronunciado de la temperatura. En los días siguientes el tiempo empeora rápidamente al formarse una zona frontal sobre el Río de la Plata. El 5 llueve intensamente y es también el único día del mes sin brillo solar; al mismo tiempo baja la presión a su valor mínimo mensual con 745.6 mmHg. Recién por la tarde del 7, pasa un frente frío por el Observatorio originando un marcado descenso de la temperatura y humedad; en este día la humedad absoluta y relativa alcanza su nivel más bajo del mes con 4.2 mmHg y 41% respectivamente. Durante los últimos días de la década se mantiene la advección desde el sector S reinando tiempo bueno en general y temperaturas que no difieren mayormente de su término medio.

Al principio de la segunda década sigue el aflujo de aire fresco y seco, subiendo al mismo tiempo la presión atmosférica al máximo mensual con 769.6 mmHg el día 12. Por la mañana de ese día se registra la última helada del año (mínima de la superficie -0.3°C) y la temperatura más baja del mes en el abrigo meteorológico (0.3°C). Advección del aire del E produce en los días posteriores una nubosidad muy variable y mantiene hasta el 16 las temperaturas por debajo del valor normal. Al acercarse desde el W una extensa zona de lluvia, el tiempo empeora considerablemente el 17 y el día siguiente llueve copiosamente (47 mm en 24 horas, de los cuales 20 mm en una hora); el mal tiempo se mantiene hasta el fin de la década.

Pasada la zona frontal reina tiempo bueno al principio de la última década, acusando la temperatura un marcado ascenso hasta el 23, día en que alcanza su valor mínimo mensual con 26.8°C. El pasaje de un frente débil ocasiona intensas lluvias el 24, registrándose luego, tiempo cálido, húmedo e inestable hasta la madrugada del 27, en que pasa un frente frío por el Observatorio. Un segundo empuje de aire fresco y seco sigue el 28. El tiempo empeora de nuevo hacia fin de mes, anotándose fuerte nubosidad y lluvias de variada intensidad.

La actividad ciclónica de este mes, se nota también en los promedios mensuales: la presión acusa una desviación negativa de 1 mmHg, la temperatura y precipitación entregan valores sobre sus términos medios de casi 1.0°C y 40% 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	117	110	97	97	97	97	90	110	110	90	97	104	110	104	117
2	104	110	110	97	186	322	362	506	477	284	220	193	193	207	179
3	-	-	41	34	28	28	83	138	145	131	90	83	83	76	76
4	97	110	69	34	83	131	166	207	138	76	90	97	138	179	166
5	28	28	48	90	41	69	83	$\pm\infty$	$\pm\infty$	$\pm\infty$	$\pm\infty$	$\pm\infty$	$\pm\infty$	$\pm\infty$	$\pm\infty$
6	110	90	69	69	90	90	83	124	145	110	179	138	124	110	110
7	166	159	166	138	138	159	172	246	404	333	207	207	117	104	97
8	76	55	$+\infty$	$\pm\infty$	-686	-104	-267	$-\infty$	145	145	131	124	110	90	90
9	97	83	104	110	110	104	83	90	90	83	69	76	83	83	83
10	69	28	48	62	90	104	152	104	104	69	76	83	62	76	41
11	83	97	104	104	97	104	138	145	172	145	104	90	83	83	90
12	166	200	200	193	207	97	193	272	233	179	172	131	117	83	41
13	200	145	117	104	124	138	179	124	117	110	152	117	131	104	83
14	145	159	145	131	145	124	233	272	246	172	152	117	117	124	-477
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	83	83	90	104	90	138	179	104	48	90	90	83	90	104	97
17	48	41	62	62	69	69	41	-	-824	$-\infty$	- 7	-152	-304	14	- 34
18	21	28	34	41	34	14	$-\infty$	$\pm\infty$	246	- 41	90	28	69	83	110
19	-138	34	28	41	21	21	41	76	83	83	97	104	76	62	69
20	131	124	124	117	69	83	166	117	76	76	69	83	69	76	76
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	7	69	124	138	69	55	159	131	110	83	83	90	76	69	69
23	55	41	41	62	62	48	83	62	69	48	55	62	55	55	62
24	62	48	48	55	62	83	124	131	83	41	-	-	-	-	-
25	200	213	220	220	213	233	310	259	152	186	186	145	152	131	152
26	69	62	69	83	76	83	97	104	55	69	69	55	55	76	-181
27	76	76	83	48	69	166	117	179	193	172	186	166	124	117	186
28	83	90	83	104	110	124	179	200	193	179	200	179	193	145	104
29	69	62	62	69	90	90	97	83	83	76	83	62	76	76	76
30	48	41	41	55	69	62	$-\infty$	69	124	131	117	124	90	76	62
31	110	90	83	90	90	97	166	259	152	104	83	90	90	117	138
Prom.	102.4	110.3	106.2	102.3	111.2	126.1	159.5	176.4	168.3	138.4	133.8	119.7	113.8	108.2	72.8

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	1.03	0.82	1.85	1.26	646	605	1251	1.07	1.11	0.95
2	0.88	0.63	1.51	1.40	485	312	797	1.56	1.27	1.41
3	1.00	0.86	1.86	1.16	585	502	1087	1.07	1.20	1.20
4	0.69	0.58	1.27	1.19	370	298	668	1.24	1.31	1.36
5	1.11	1.18	2.29	0.94	513	468	981	1.09	1.51	1.77
6	1.42	0.90	2.32	1.58	747	540	1287	1.38	1.33	1.17
7	0.80	0.66	1.46	1.21	475	311	786	1.52	1.18	1.48
8	1.14	1.13	2.27	1.01	561	499	1060	1.12	1.42	1.58
9	1.35	1.31	2.66	1.03	583	500	1083	1.17	1.62	1.83
10	1.17	1.15	2.32	1.02	566	484	1050	1.17	1.44	1.66
11	1.01	0.79	1.80	1.28	783	586	1369	1.33	0.90	0.94
12	0.67	0.53	1.20	1.26	368	236	604	1.56	1.27	1.57
13	0.73	0.64	1.37	1.14	347	264	611	1.32	1.47	1.69
14	0.86	0.77	1.63	1.12	390	290	680	1.34	1.54	1.85
15	0.73	0.64	1.37	1.14	442	349	791	1.27	1.15	1.28
16	0.97	0.89	1.86	1.09	715	716	1431	1.00	0.95	0.87
17	1.05	1.01	2.06	1.04	603	728	1331	0.83	1.21	0.97
18	0.80	0.89	1.69	0.90	686	747	1433	0.92	0.81	0.83
19	0.95	0.98	1.93	0.97	597	553	1150	1.08	1.11	1.24
20	1.06	0.95	2.01	1.12	633	474	1107	1.34	1.17	1.40
21	0.91	0.91	1.82	1.00	537	332	869	1.62	1.18	1.92
22	0.84	0.73	1.57	1.15	418	289	707	1.45	1.40	1.76
23	1.18	1.09	2.27	1.08	569	405	974	1.41	1.45	1.88
24	0.82	0.83	1.65	0.99	548	447	995	1.22	1.05	1.30
25	0.74	0.65	1.39	1.14	427	314	741	1.36	1.21	1.45
26	0.93	0.76	1.69	1.22	571	388	955	1.47	1.14	1.37
27	0.78	0.74	1.52	1.05	335	161	496	2.08	1.62	3.21
28	0.76	0.62	1.38	1.23	430	282	712	1.52	1.24	1.54
29	1.05	0.82	1.87	1.28	588	479	1067	1.23	1.25	1.20
30	1.06	0.94	2.00	1.13	568	401	969	1.42	1.30	1.64
31	0.68	0.60	1.28	1.13	460	452	912	1.02	1.03	0.93
Prom.	0.91	0.81	1.72	1.12	535	434	969	1.23	1.19	1.30

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
117	124	131	138	172	152	124	117	117	141.1	193	69	124	0
172	166	124	117	97	69	55	48	55	185.5	652	14	638	0
83	83	90	76	90	83	76	76	97		278	00	278	0*
172	166	152	117	110	110	97	69	41	117.3	259	- 14	273	1
±∞	±∞	110	138	∞	∞	- 34	179	310		∞	-∞	-	3*
110	104	90	97	97	110	131	138	124	110.1	368	7	361	0
83	83	97	145	110	83	62	55	69	150.0	495	7	488	0
90	76	90	97	69	124	124	83	90		∞	-∞	-	3*
69	62	48	83	90	124	90	90	90	87.2	172	- 14	186	1
- 21	- 83	-∞	-∞	69	83	90	69	62		278	-∞	-	3*
90	90	110	110	124	138	138	179	166	116.0	226	48	178	0
28	55	76	110	138	117	179	124	152	144.3	345	- 7	352	1
97	124	83	33	124	138	166	124	131	125.6	272	00	272	0
83	83	124	159	172	186	152	97	152	125.5	350	-894	1244	1
-	-	-	-	-	-	-	-	-		-	-	-	-
69	76	110	110	104	83	76	76	41	92.4	252	- 21	273	1
104	124	117	62	110	90	55	21	14		193	-∞	-	3*
124	213	213	-∞	-∞	- 41	28	83	69		∞	-∞	-	3*
97	104	117	117	166	197	145	110	186	80.7	316	-778	1094	1
90	76	76	55	62	76	76	62	69	87.4	259	21	238	0
-	-	-	-	-	-	-	-	-		-	-	-	-
76	55	138	152	124	104	62	76	62		391	- 34	425	2
55	62	41	41	55	207	110	83	83	66.5	357	- 21	378	1
-	-	97	117	246	207	259	252	252		∞	-∞	-	3*
138	124	145	172	220	145	145	186	117	181.8	357	62	295	0
-169	69	69	76	83	97	117	90	76		454	-762	1216	2
220	186	152	104	90	124	172	166	172	139.3	259	28	231	0
104	117	117	131	131	131	131	104	83	134.0	272	28	244	0
97	90	97	90	110	166	97	124	41	86.1	362	- 7	369	1
69	41	41	69	69	104	117	104	110		∞	-∞	-	3*
138	159	166	152	138	124	-∞	±∞	±∞		∞	-∞	-	3*
105.0	105.1	105.0	109.9	120.7	130.9	119.2	108.4	104.9	119.1				

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
5011	4223	9234	1.19	8.68	27,750
8750	8295	16845	1.06	9.33	24,750
9978	9296	19274	1.07	-	17,500
13305	18264	31569	0.73	4.96	-
10341	16003	26344	0.64	-	-
6883	9476	16359	0.73	8.50	18,000
12450	10807	23257	1.15	7.30	22,250
9159	8934	18093	1.03	-	25,500
8743	7905	16648	1.10	7.75	21,500
9983	8582	18565	1.16	-	32,250
8333	7103	15436	1.17	6.96	23,500
15393	14400	29793	1.07	5.78	56,500
13342	12002	25344	1.11	5.75	77,250
13938	12850	26788	1.09	6.80	23,000
16480	15667	32147	1.05	-	118,500
9553	8599	18152	1.11	5.70	71,000
8078	6878	14956	1.17	-	50,250
6022	4893	10915	1.23	-	22,250
6799	6127	12926	1.11	5.20	2,750
7699	6332	14031	1.21	5.84	12,500
8936	7638	16574	1.17	-	21,000
10710	11747	22457	0.91	-	21,750
8063	7916	15979	1.02	5.03	23,000
-	-	-	-	-	16,750
-	-	-	-	8.40	32,500
-	-	-	-	-	2,500
-	-	-	-	7.05	25,000
-	-	-	-	6.17	87,000
-	-	-	-	5.37	17,500
-	-	-	-	-	14,500
-	-	-	-	-	43,500
9759	9874	19733	0.99	6.70	32,800

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	1.17	1.00	1.04	1.19	1.09	1.10	1.27	1.11	1.26	1.14	1.07	1.08
2	1.20	0.97	1.03	0.73	0.63	0.66	0.58	0.53	0.48	0.76	0.88	0.96
3	-	-	-	-	-	-	-	0.84	0.71	0.72	1.08	1.21
4	0.90	0.76	0.56	0.61	0.65	0.59	0.56	0.40	0.76	0.60	0.51	0.55
5	1.10	1.08	1.05	1.10	1.04	1.28	1.15	-	-	-	-	-
6	-	-	-	-	-	-	-	1.35	1.20	1.42	1.10	0.89
7	0.51	0.55	0.74	0.88	0.98	0.66	0.60	0.77	0.54	0.91	0.76	0.54
8	1.06	1.34	1.29	0.96	0.62	1.01	1.02	0.44	1.30	1.39	1.26	1.15
9	-	-	-	-	-	-	-	-	1.31	1.38	1.13	1.28
10	-	-	-	-	-	-	-	0.71	1.15	1.26	0.89	1.32
11	1.43	1.30	1.09	1.25	1.37	1.01	1.26	1.08	1.06	0.84	0.92	0.87
12	0.62	0.79	0.67	0.60	0.62	0.84	0.65	0.85	0.78	0.74	0.62	0.60
13	0.53	0.66	0.50	1.08	1.20	0.78	0.69	0.86	0.90	0.84	0.65	0.56
14	-	-	-	-	-	-	-	-	1.33	1.70	0.78	0.66
15	0.90	0.96	0.91	0.84	1.00	0.87	0.74	0.55	0.43	0.80	0.88	0.84
16	-	-	-	-	-	-	-	-	0.95	0.79	0.87	0.90
17	1.34	1.45	1.37	1.39	1.36	1.39	1.23	1.10	0.87	0.72	0.90	0.92
18	-	-	-	-	-	-	-	0.77	0.93	0.86	0.88	0.90
19	1.01	1.37	1.09	0.66	0.81	0.91	0.69	0.56	1.08	1.23	1.16	1.10
20	0.41	0.43	0.52	0.57	0.77	0.66	0.75	1.11	1.23	1.09	0.98	1.13
21	-	-	-	-	-	-	-	1.05	1.19	0.97	1.04	1.21
22	0.45	0.47	0.41	0.43	0.46	0.41	0.46	0.80	0.83	1.12	1.32	0.92
23	1.19	0.96	1.10	0.95	0.79	1.24	0.88	0.88	1.10	1.38	1.26	1.59
24	1.04	1.11	1.02	1.16	1.28	0.97	0.79	0.80	0.87	1.11	0.64	1.36
25	0.60	0.79	0.87	0.74	0.82	0.99	-	-	0.87	0.78	0.68	0.63
26	0.96	0.98	0.87	0.77	1.05	0.77	0.89	0.87	0.69	0.90	0.95	1.31
27	0.57	0.68	0.72	0.69	-	-	-	0.90	0.85	0.59	0.77	0.81
28	0.90	1.20	1.40	1.18	0.94	1.25	1.01	1.12	0.45	0.56	0.49	0.41
29	0.95	1.08	0.95	1.05	0.91	0.72	0.96	0.97	1.18	1.12	1.04	1.05
30	1.37	1.52	1.37	1.30	1.23	1.16	0.94	0.82	0.82	0.87	0.92	1.00
31	0.70	0.76	0.78	0.75	0.72	0.77	0.58	0.55	-	0.69	0.86	0.78
Promedio	0.88	0.96	0.93	0.91	0.92	0.91	0.84	0.84	0.94	0.98	0.91	0.95

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	0.90	0.75	0.92	0.97	0.82	0.93	1.12	0.95	1.08	0.98	0.94	1.04
2	0.69	0.53	0.53	0.42	0.44	0.46	0.46	0.37	0.37	0.53	0.60	0.69
3	-	-	-	-	-	-	-	0.69	0.69	0.78	1.05	1.18
4	0.60	0.50	0.44	0.53	0.56	0.44	0.44	0.37	0.51	0.50	0.42	0.50
5	1.15	1.19	1.11	1.08	1.38	1.29	1.06	-	-	-	-	-
6	-	-	-	-	-	-	-	1.00	1.04	1.09	0.87	1.39
7	0.42	0.42	0.55	0.67	0.78	1.03	0.43	0.50	0.58	0.60	0.69	0.46
8	1.32	1.34	1.28	0.87	0.92	1.17	1.24	0.64	1.05	1.33	1.12	1.14
9	-	-	-	-	-	-	-	1.77	1.67	1.24	1.19	1.16
10	-	-	-	-	-	-	-	0.67	1.09	1.34	1.21	1.23
11	0.94	0.84	0.78	0.94	1.10	0.82	1.05	0.92	0.89	0.76	0.83	0.82
12	0.40	0.40	0.42	0.40	0.42	0.55	0.45	0.76	0.70	0.62	0.62	0.57
13	0.44	0.53	0.40	1.04	1.00	0.65	0.60	0.76	0.89	0.76	0.50	0.44
14	-	-	-	-	-	-	-	-	1.43	1.16	0.65	0.55
15	1.10	0.86	0.64	0.66	0.72	0.70	0.70	0.49	0.46	0.98	0.80	0.71
16	-	-	-	-	-	-	-	-	0.80	0.75	0.80	1.00
17	1.14	1.42	1.39	1.35	1.32	1.19	1.22	1.10	0.93	0.78	0.87	0.87
18	-	-	-	-	-	-	-	0.96	1.05	0.76	0.81	0.76
19	1.42	1.39	1.33	0.91	1.02	0.99	0.82	0.64	1.10	1.20	1.18	1.00
20	0.36	0.39	0.39	0.55	0.55	0.55	0.67	0.97	0.92	1.00	0.97	0.98
21	-	-	-	-	-	-	-	0.83	0.95	0.77	0.82	1.46
22	0.41	0.37	0.35	0.34	0.40	0.39	0.39	0.55	0.66	1.23	1.09	0.82
23	1.12	0.91	1.03	0.74	0.82	1.00	0.67	0.76	1.10	1.56	1.24	1.73
24	1.00	0.97	1.05	1.09	0.93	0.88	0.64	0.61	0.94	1.16	1.08	1.70
25	0.46	0.60	0.55	0.65	0.89	-	-	-	0.66	0.58	0.55	0.53
26	0.84	0.72	0.67	0.56	0.69	0.58	0.64	0.57	0.55	0.69	0.88	1.12
27	0.42	0.58	0.60	0.64	-	-	-	0.74	0.66	0.59	0.78	0.71
28	0.79	0.87	1.07	0.95	0.69	0.87	0.72	1.28	0.64	0.44	0.37	0.33
29	0.71	0.83	0.78	0.87	0.65	0.53	0.90	0.96	0.97	0.97	0.87	0.92
30	1.38	1.39	1.24	1.24	1.14	1.10	1.79	0.58	0.69	0.69	0.71	0.80
31	0.49	0.58	0.60	0.47	0.49	0.53	0.42	0.38	-	0.94	0.77	0.67
Promedio	0.80	0.80	0.79	0.78	0.80	0.79	0.78	0.77	0.86	0.89	0.84	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
0.94	1.00	0.70	0.68	0.97	0.95	0.84	0.78	0.95	1.04	1.16	1.13	1.03
0.87	1.15	0.95	0.92	1.30	0.97	1.12	-	-	-	-	-	0.88
1.33	1.22	1.17	1.29	1.06	1.04	0.87	0.91	0.90	0.88	1.00	0.76	1.00
0.66	0.56	0.48	0.50	0.38	0.38	0.97	-	-	1.56	1.10	1.14	0.69
-	-	-	-	-	-	-	-	-	-	-	-	1.11
1.63	1.40	1.27	1.27	1.34	1.30	1.70	1.04	0.70	0.58	0.54	0.69	1.42
0.58	0.62	0.65	0.88	0.85	1.17	0.60	1.00	1.24	1.09	1.04	1.10	0.80
1.52	1.18	1.16	1.13	1.18	1.09	1.04	1.35	1.42	1.26	-	-	1.14
1.27	1.47	1.42	1.44	1.52	1.36	1.06	1.52	-	-	-	-	1.35
1.22	1.20	1.16	1.16	1.18	1.27	0.96	1.00	1.36	1.20	1.44	1.42	1.17
1.00	0.98	0.92	0.94	0.95	0.88	1.00	1.00	0.79	0.84	0.78	0.72	1.01
0.59	0.56	0.59	0.53	0.54	0.78	0.79	0.98	0.58	0.52	0.58	0.58	0.67
0.61	0.71	0.63	0.61	0.64	0.53	0.71	0.87	-	-	-	-	0.73
0.62	0.74	0.70	0.66	0.72	0.69	0.76	0.76	0.74	0.80	1.00	1.03	0.86
0.61	0.58	0.74	0.72	0.86	0.76	0.52	0.57	0.47	0.54	0.72	-	0.73
0.90	1.00	0.79	0.88	0.62	0.88	0.85	1.17	1.00	1.17	1.44	1.38	0.97
0.93	0.69	0.62	0.77	0.89	1.06	1.00	1.03	-	-	-	-	1.05
0.76	1.06	0.93	0.87	0.52	0.55	0.50	0.77	0.62	0.87	1.00	0.91	0.80
1.15	1.71	1.54	1.36	1.30	1.05	0.74	0.50	0.43	0.46	0.51	0.47	0.95
1.12	1.43	1.25	1.65	1.47	1.37	1.06	2.31	-	-	-	-	1.06
1.42	0.41	1.30	0.41	1.59	1.91	0.91	0.48	0.44	0.37	0.46	0.35	0.91
0.94	1.00	1.04	1.31	1.20	0.87	0.95	1.42	1.06	0.99	0.61	0.72	0.84
1.54	1.45	1.38	1.53	1.39	1.59	0.82	0.62	1.15	0.92	1.06	1.47	1.18
0.45	0.40	0.72	0.66	0.79	1.18	0.93	0.52	0.60	0.48	0.53	0.40	0.82
0.81	0.90	1.05	1.07	1.05	0.68	0.81	0.47	0.40	0.40	0.40	0.48	0.74
1.22	1.44	0.95	0.87	1.15	1.26	0.90	0.75	0.65	0.64	0.74	0.85	0.93
0.69	0.81	0.76	0.82	0.93	0.68	0.94	0.64	1.06	-	-	0.94	0.78
0.42	0.48	0.54	0.47	0.58	0.59	0.52	0.61	0.60	0.69	0.83	0.80	0.76
0.99	1.00	1.01	1.07	1.22	0.75	0.65	0.86	1.52	1.01	1.85	1.39	1.05
1.30	1.13	1.18	1.15	0.98	1.23	1.17	1.05	0.80	0.57	0.80	0.75	1.06
0.62	0.57	0.60	0.60	0.56	0.57	0.52	0.93	0.55	0.69	0.66	0.94	0.68
0.96	0.96	0.94	0.94	0.99	0.98	0.87	0.92	0.83	0.81	0.88	0.89	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	0.91	0.53	0.73	0.82	0.57	0.46	0.48	0.66	0.70	0.72	0.74	0.82
0.76	0.88	0.82	0.70	0.98	0.71	1.10	-	-	-	-	-	0.63
1.20	1.16	1.06	1.18	0.86	0.75	0.60	0.72	0.64	0.74	0.80	0.57	0.86
0.55	0.46	0.44	0.46	0.34	0.48	-	-	-	1.50	1.26	1.00	0.58
-	-	-	-	-	-	-	-	-	-	-	-	1.18
1.10	1.12	0.96	1.05	1.12	1.02	1.36	0.59	0.37	0.37	0.37	0.46	0.90
0.52	0.64	0.60	0.69	0.70	0.92	0.40	0.99	0.82	0.88	0.78	0.78	0.66
1.30	0.89	1.20	1.00	0.98	0.80	1.19	1.18	1.44	1.52	-	-	1.13
1.34	1.40	1.38	1.32	1.42	1.17	0.81	1.15	-	-	-	-	1.31
1.32	1.19	1.14	1.17	1.34	1.00	0.94	1.12	1.21	1.14	1.35	1.12	1.15
0.93	0.90	0.87	0.81	0.83	0.72	0.88	0.58	0.46	0.55	0.40	0.44	0.79
0.50	0.51	0.53	0.48	0.53	0.71	0.73	0.71	0.37	0.42	0.46	0.53	0.53
0.55	0.64	0.58	0.55	0.55	0.50	0.60	0.78	-	-	-	-	0.64
0.57	0.60	0.81	0.96	0.62	0.58	0.62	0.62	0.55	0.78	0.88	0.93	0.77
0.53	0.60	0.64	0.77	0.66	0.55	0.44	0.40	0.36	0.47	0.55	-	0.64
0.82	0.84	0.86	0.70	0.55	0.52	0.86	1.00	1.03	1.21	1.31	1.15	0.89
0.81	0.59	0.61	0.69	0.86	1.06	1.00	0.91	-	-	-	-	1.01
0.89	0.91	0.88	0.66	0.52	0.50	1.01	1.80	0.61	0.88	0.92	1.17	0.89
1.51	1.87	1.58	1.19	1.09	0.93	0.49	0.40	0.30	0.47	0.40	0.32	0.98
1.23	1.28	1.28	1.53	1.33	1.16	1.04	1.94	-	-	-	-	0.95
1.40	1.29	1.56	1.29	1.24	1.81	0.55	0.27	0.32	0.32	0.34	0.31	0.91
0.80	0.90	0.98	1.07	1.00	1.05	0.85	0.75	1.05	0.78	0.58	0.80	0.73
1.34	1.36	1.39	1.32	1.37	1.52	0.73	0.48	0.78	0.88	1.09	1.15	1.09
1.10	0.84	0.62	0.68	0.74	1.16	0.68	0.37	0.50	0.36	0.40	0.34	0.83
0.71	0.92	1.08	0.92	0.96	1.11	0.61	0.40	0.34	0.40	0.29	0.44	0.65
1.29	1.41	0.94	1.14	0.93	0.87	0.62	0.48	0.48	0.48	0.65	0.55	0.76
0.62	0.66	0.76	0.79	0.64	0.55	1.39	0.86	1.27	-	-	0.87	0.74
0.35	0.40	0.44	0.37	0.51	0.46	0.39	0.51	0.46	0.57	0.69	0.64	0.62
0.87	0.95	0.98	0.97	0.92	0.64	0.56	0.76	0.94	0.82	0.62	0.69	0.82
1.09	1.04	1.12	0.90	0.82	1.02	0.90	0.84	0.60	0.44	0.65	0.49	0.94
0.35	0.37	0.55	0.35	0.42	0.42	0.43	0.80	0.46	0.38	1.14	1.70	0.60
0.91	0.92	0.90	0.88	0.86	0.84	0.76	0.78	0.67	0.71	0.72	0.75	0.81

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	521	521	608	608	707	707	608	707	608	955	1035
2	608	434	347	260	260	260	260	174	174	347	782	707
3	434	478	521	434	434	347	347	955	782	868	955	868
4	434	434	260	260	260	347	347	260	260	260	347	347
5	521	521	608	608	521	521	608	608	955	1275	707	434
6	434	707	707	608	608	707	707	868	1115	1115	1275	1115
7	174	260	347	347	347	347	434	521	608	521	434	521
8	434	521	434	521	260	434	174	260	1194	1115	868	868
9	347	347	347	434	434	521	521	707	782	868	868	868
10	347	347	347	260	260	260	347	782	1035	955	955	782
11	707	608	521	608	707	707	868	1194	1115	1115	1194	1115
12	347	434	347	347	434	347	434	707	570	347	434	347
13	260	260	260	707	608	347	260	260	260	260	260	260
14	260	347	347	347	347	347	260	260	347	174	347	347
15	260	347	347	347	434	434	347	260	347	260	434	347
16	868	868	782	782	608	608	707	995	955	955	868	955
17	782	782	782	707	782	707	608	707	434	521	782	707
18	608	707	707	782	782	782	707	608	434	608	707	608
19	608	707	782	782	521	521	434	347	521	608	782	782
20	260	260	260	347	347	434	260	347	782	955	992	1194
21	434	434	434	434	521	434	434	608	782	707	782	707
22	174	174	260	260	260	260	304	521	782	782	782	608
23	347	347	347	347	434	521	521	521	868	782	868	782
24	565	521	434	434	434	434	434	521	868	782	845	950
25	260	260	260	260	260	260	434	521	608	608	608	521
26	707	707	521	521	608	521	521	521	434	521	608	707
27	260	347	347	347	434	-	-	347	347	260	260	260
28	695	608	521	434	434	434	607	521	608	347	260	260
29	521	608	608	521	434	347	707	868	1035	868	782	608
30	526	707	521	434	521	521	347	570	521	782	782	868
31	347	347	347	347	347	347	347	260	707	347	434	608
Promedio	456	482	457	466	460	459	466	555	675	662	708	680

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	376	376	521	451	451	526	521	608	782	1115	1354
2	226	75	75	75	75	75	75	-	-	-	602	376
3	376	376	312	312	226	226	312	976	905	1120	1188	976
4	312	226	226	226	226	150	150	150	226	312	312	376
5	602	676	602	602	526	526	608	451	-	676	676	451
6	312	526	451	376	526	376	451	602	976	905	1188	976
7	150	150	75	150	150	226	226	226	451	451	312	608
8	312	312	376	676	676	602	676	451	1052	1052	905	828
9	312	226	150	150	150	312	451	602	676	828	828	828
10	150	226	226	150	150	150	150	785	1120	1120	976	752
11	150	150	150	226	376	376	752	1052	1120	1120	1320	1120
12	150	150	150	150	150	226	226	451	602	312	376	226
13	150	150	150	602	526	150	150	150	226	150	150	226
14	150	150	150	150	150	150	150	150	226	75	226	312
15	150	150	226	226	226	312	226	150	226	150	376	312
16	676	828	608	602	451	676	451	1250	1250	1120	1052	1052
17	828	828	752	752	828	752	828	1120	976	905	1120	1120
18	752	828	828	828	905	1052	752	976	976	526	602	676
19	1188	752	828	602	451	526	376	226	376	451	676	676
20	150	150	150	150	75	75	150	231	678	905	898	1250
21	226	150	226	382	226	226	376	226	451	451	602	526
22	150	150	150	150	226	226	150	226	602	602	602	526
23	150	226	226	150	226	226	226	301	602	1052	676	608
24	312	226	226	312	226	226	226	376	828	752	226	-
25	150	150	150	150	150	150	150	150	376	526	526	451
26	526	376	376	226	312	226	312	226	150	312	312	376
27	150	150	226	226	376	-	-	226	150	150	150	150
28	226	150	312	226	150	312	150	150	602	312	312	226
29	376	526	376	376	226	150	602	905	1188	976	752	602
30	376	451	312	226	226	150	376	419	376	451	526	752
31	150	226	226	150	150	150	226	150	312	602	602	602
Promedio	331	325	312	326	316	304	349	462	631	638	651	644

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
955	955	955	478	868	707	608	521	434	521	608	707	646
782	868	868	782	868	608	434	347	347	347	434	347	485
955	707	608	707	521	521	521	434	434	434	434	347	585
434	434	347	347	260	260	347	347	434	434	707	707	370
521	608	521	347	434	434	521	260	260	174	174	174	513
1035	1035	955	782	782	868	868	434	347	347	260	260	747
434	521	782	707	707	608	521	434	434	521	434	434	475
707	707	707	608	608	434	521	608	347	347	347	434	561
868	782	782	782	782	707	521	347	347	347	347	347	583
707	608	608	347	347	707	434	608	608	521	608	707	566
1115	955	782	782	868	782	707	608	521	434	434	347	783
260	260	260	260	347	521	260	260	347	434	260	260	368
260	347	347	434	434	347	521	434	347	260	260	347	347
434	434	478	707	782	707	434	347	434	347	260	260	390
434	608	782	868	782	434	434	434	347	260	347	707	442
955	868	782	707	434	434	347	347	434	602	602	707	715
782	782	608	434	434	347	260	347	434	521	608	608	603
868	955	955	782	521	521	521	1035	608	608	521	521	686
1035	1035	955	782	707	521	434	347	347	260	260	260	597
1035	955	955	782	782	782	782	608	608	521	521	434	633
608	782	782	782	782	707	434	260	260	260	174	347	537
521	434	521	521	608	260	347	260	347	434	347	260	418
782	782	868	707	707	608	347	347	347	347	521	608	569
527	521	527	608	782	707	521	434	434	347	260	260	548
608	521	608	707	608	434	434	347	260	260	260	347	427
782	608	608	782	707	707	608	434	434	347	347	434	571
260	260	260	347	521	434	434	347	434	347	260	260	335
260	434	347	434	347	434	347	260	347	434	521	434	430
608	707	707	707	707	521	434	347	347	347	347	434	588
868	608	521	434	434	707	608	608	434	347	434	521	568
608	608	782	782	608	434	347	174	260	347	570	738	460
678	667	663	623	615	555	479	417	398	389	402	437	535

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
1194	1194	1035	608	868	521	226	226	226	434	312	226	605
676	752	602	676	602	376	226	150	150	150	312	226	312
905	676	602	602	451	312	226	150	150	226	226	226	502
376	376	312	376	226	226	312	312	312	312	526	602	298
312	451	451	526	883	376	312	150	226	312	226	150	468
828	905	782	602	602	526	312	150	150	150	150	150	540
376	451	602	602	602	376	312	226	150	150	226	226	311
602	526	526	376	526	226	226	226	226	150	226	226	499
905	752	676	602	676	451	312	226	226	150	150	150	500
526	602	602	376	526	526	451	451	451	312	451	376	484
1188	976	828	752	828	451	312	226	150	150	150	150	586
150	150	226	226	312	451	226	150	150	150	150	150	236
312	344	376	376	376	419	451	312	150	150	150	150	264
376	526	602	602	752	602	312	312	312	226	150	150	290
451	676	828	905	752	376	226	226	226	226	226	526	349
1052	1052	976	752	526	376	312	312	312	526	602	676	716
1052	828	752	451	376	312	226	312	312	602	676	752	728
905	1120	1188	828	526	451	850	715	-	602	602	451	747
1255	1188	976	602	602	312	226	226	226	226	150	150	553
1052	905	828	752	752	676	376	188	226	226	312	226	474
526	602	564	526	376	312	226	150	150	150	150	150	332
376	376	376	312	376	150	226	226	150	312	150	150	289
676	752	752	526	451	312	150	226	188	226	338	451	405
1930	1530	738	451	639	526	226	150	150	150	150	150	447
451	526	602	602	526	312	226	312	226	226	226	226	314
526	676	526	752	826	526	526	312	226	226	226	226	388
75	75	75	150	150	150	150	150	150	150	-	-	161
226	312	376	376	312	376	226	150	312	376	376	226	282
526	526	526	676	602	376	226	150	150	150	150	376	479
752	526	451	312	376	602	451	451	312	150	376	226	401
676	828	676	526	312	150	150	226	150	752	1194	1673	452
685	683	627	542	539	391	297	250	210	268	310	326	434

IONES PESADOS POSITIVOS "N+" por cm³

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	4490	3585	3585	4490	4490	4490	3585	3585	4490	4490	4490
2	5380	5380	5380	7180	6295	7180	7180	8060	7180	7180	6295	6295
3	8060	8950	8060	8950	11690	13430	15250	9860	10770	17950	6295	5380
4	12590	11690	13430	13430	9860	12590	17050	26900	17050	10770	10770	13430
5	4490	3585	4490	3585	4490	5380	5380	5380	6295	12590	12590	17050
6	5380	3585	3585	3585	3585	3585	3585	4490	11690	5380	6295	8060
7	18870	17050	16130	11690	9860	10770	11690	9860	12590	12590	14350	16130
8	11690	8950	7180	9860	7180	7180	6295	8950	7180	7180	8950	9860
9	8950	8950	7180	8060	8060	8060	8060	6295	5380	5380	7180	5380
10	17950	15250	18870	15250	16130	17050	15250	14350	8060	6295	7180	7180
11	6295	7180	8060	6295	6295	8060	7180	6295	8060	7180	7180	8060
12	14350	13430	14350	13430	12590	14350	15250	11690	12590	17050	18870	18870
13	16130	14350	13430	6295	5380	10770	16130	12590	16130	13430	11690	16130
14	5380	7180	7180	12590	12590	13430	11690	15250	15250	17050	15250	17950
15	17950	21520	18870	16130	16130	17950	23360	21520	12590	16130	15250	17050
16	6295	7180	7180	6295	8060	9860	11690	8060	7180	8060	9860	9860
17	5380	4490	5380	4490	5380	4490	5380	5380	6295	8060	8950	7180
18	4490	3585	4490	4490	3585	4490	5380	5380	5380	6295	6295	7180
19	4490	3585	3585	4490	4490	3585	5380	5380	3585	4490	3585	4490
20	15250	13430	11690	8060	8060	6295	6295	7180	4490	5380	-	-
21	7180	7180	7180	6295	6295	7180	8950	7180	4490	5380	4490	4490
22	16130	9860	12590	12590	14350	20350	16130	7180	7180	7180	6295	11690
23	7180	8950	8060	8060	8950	7180	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
Promedio	9755	9122	9128	8465	8426	9465	10320	9582	8773	9340	9148	10295

IONES PESADOS NEGATIVOS "N−" por cm³

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	3585	2690	3585	4490	3585	3585	3585	1795	3585	2690	5380
2	3585	4490	3585	7180	5380	5380	4490	7180	6295	5380	8060	5380
3	7180	6295	6295	8950	16130	13430	11690	8950	12590	7180	6295	3585
4	8060	10770	13430	12590	11690	13430	20350	25150	14350	8950	39420	43950
5	3585	3585	4490	3585	5380	3585	3585	7180	8950	20700	28730	36790
6	2690	2690	2690	4490	2690	2690	3585	-	3585	4490	39420	30580
7	22400	15250	8060	8060	8950	12590	11690	7180	9860	9860	14350	12590
8	8060	8060	8060	17050	7180	5380	8950	8060	5380	8950	9860	7180
9	8060	8060	8060	7180	6295	6295	8060	7180	4490	4490	5380	4490
10	13430	14350	11690	17050	15250	11690	14350	8960	8060	7180	6295	6295
11	4490	6295	5380	6295	4490	8060	6295	6295	7180	8060	6295	8060
12	11690	11690	11690	13430	11690	15250	17050	8060	10770	16130	17050	18870
13	13430	10770	12590	5380	5380	12590	12590	14350	12590	11690	13430	17050
14	11690	7180	5380	6295	13430	12590	14350	15250	8950	20350	17950	14350
15	17050	17950	17950	17050	17950	21520	21520	20700	9860	18870	15250	17950
16	6295	6295	5380	4490	6295	8950	8060	6295	7180	8060	8060	7180
17	4490	3585	3585	4490	3585	4490	4490	5380	4490	6295	6295	6295
18	3585	2690	2690	3585	3585	2690	5380	4490	3585	4490	2690	5380
19	3585	1795	2690	3585	3585	2690	4490	3585	2690	2690	3585	3585
20	12590	10770	8060	7180	6295	4490	6295	4490	3585	-	-	-
21	6295	6295	5380	5380	4490	5380	6295	-	4490	3585	5380	5380
22	22400	12590	8950	15250	15250	15250	17950	11690	5380	5380	6295	13430
23	8950	8950	8060	8060	6295	7180	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
Promedio	9008	8000	7254	8269	8076	8660	9777	9200	7096	8874	12513	13036

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	2690	2690	4490	6295	6295	9860	8950	7180	6295	6295	5380	5011
9860	9860	7180	10770	6295	7180	11690	13430	17950	13430	11690	11690	8750
5380	5380	6295	6295	8950	8950	12590	9860	14350	10770	12590	13430	9978
9860	13430	14350	14350	15250	16130	17050	14350	13430	11690	5380	4490	13305
16130	15250	18870	28730	-	16130	7180	8060	7180	8060	12590	14350	10341
6295	5380	6295	7180	6295	5380	6295	9860	11690	11690	13430	12590	6883
16130	15250	8950	8060	7180	8060	13430	11690	11690	13430	12590	10770	12450
6295	6295	6295	7180	9860	8060	8950	9860	17950	15250	12590	10770	9159
6295	5380	5380	5380	5380	6295	8060	15250	17950	17050	16130	14350	8743
6295	8060	8950	9860	5380	5380	6295	6295	5380	6295	6295	6295	9983
8060	8060	8060	8950	7180	8060	8950	9860	11690	9860	11690	13430	8333
20350	17050	17050	13430	12590	10770	16130	17050	18870	17950	15250	16130	15393
16130	16130	15250	17050	15250	18870	9860	9860	12590	11690	16130	8950	13342
20350	15250	17050	15250	11690	11690	12590	13430	15250	15250	17050	18870	13938
18870	15250	12590	10770	11690	14350	18870	15250	14350	18870	20350	9860	16480
8950	7180	-	9860	13430	11690	17050	15250	13430	9860	8060	5380	9553
7180	11690	10770	12590	12590	12590	13430	12590	10770	8060	5380	5380	8078
5380	4490	5380	6295	11690	9860	9860	11690	4490	5380	4490	4490	6022
3580	3580	4490	4490	5380	4490	8950	13430	14350	16130	17050	16130	6799
-	-	-	5380	6295	7180	7180	6295	6295	7180	7180	7180	7699
4490	6295	6295	5380	6295	5380	8950	14350	14350	21520	21520	23360	8936
11690	8950	8950	6295	5380	9860	-	-	-	-	8950	12590	10710
-	-	-	-	-	-	-	-	-	-	-	-	8063
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
10055	9567	9557	9911	9064	9666	11106	11746	12437	12177	11940	11176	9759

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
1795	1795	1795	5380	5380	6295	8950	7180	7180	4490	5380	3585	4223
8060	8060	8060	10770	6295	8060	13430	14350	14350	14350	9860	17050	8295
5380	5380	6295	6295	8950	8950	10770	9860	8950	12590	10770	20350	9296
44900	52950	13430	16130	15250	16130	14350	14350	11690	8060	5380	3585	18264
21520	56480	29600	39420	44900	7180	6295	6295	6295	10770	12590	12590	16003
26900	5380	5380	6295	5380	4490	5380	8950	10770	16130	13430	9860	9476
12590	9860	7180	8060	7180	5380	11690	12590	10770	11690	10770	10770	10807
4490	6295	6295	5380	8060	12590	8060	12590	18870	11690	9860	8060	8934
5385	4490	4490	4490	4490	6295	8060	15250	16130	20350	14350	-	7905
7180	8950	-	8950	4490	3585	4490	4490	5380	6295	4490	4490	8582
6295	6295	6295	5380	5380	6295	8060	9860	8950	9860	7180	13430	7103
17050	17050	14350	11690	11690	11690	18870	17050	18870	13430	16130	14350	14400
20700	14350	13430	16130	14350	8950	8060	9860	9860	11690	10770	8060	12002
14350	15250	14350	10770	8950	10770	10770	12590	15250	12590	17050	17950	12850
15250	11690	10770	9860	13430	15250	15250	13430	17050	18870	15250	6295	15667
6295	13430	10770	12590	11690	15250	17050	13430	6295	5380	5380	5380	8599
8060	9860	9860	12590	9860	10770	13430	10770	9860	5380	3585	3585	6878
4490	4490	4490	8950	10770	8950	8060	8950	3585	3585	2690	3585	4893
3585	5385	3585	4490	4490	5380	16130	13430	13430	14350	14350	11690	6127
-	-	3585	6295	7180	5380	5380	5380	5380	5380	6295	6295	6332
3585	4490	6295	5380	4490	1795	3585	12590	17050	14350	20350	23360	7638
18870	17050	8060	6295	6295	5380	9860	11690	-	-	14350	10770	11747
-	-	-	-	-	-	-	-	-	-	-	-	7916
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
12225	13199	8969	10072	9952	8401	10272	11174	11236	11013	10466	10242	9874

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	9.1	7.6	6.0	12.1	7.6	1.5	- 1.6	1.5	- 3.2	6.0	4.5	6.0	7.6
2	4.5	4.5	4.5	6.0	4.5	3.0	1.5	- 1.6	4.5	7.6	10.6	9.1	9.1
3	7.6	6.0	6.0	7.6	6.0	3.0	- 1.6	- 3.2	1.5	- 1.6	-	-	-
4	4.5	3.0	7.6	9.1	6.0	4.5	6.0	4.5	3.0	1.5	9.1	3.0	9.1
5	4.5	9.1	7.6	6.0	6.0	9.1	3.0	- 4.8	- 6.4	10.6	10.6	13.6	10.6
6	1.5	3.0	3.0	3.0	4.5	- 1.6	- 6.4	- 9.5	- 8.0	- 4.8	- 4.8	1.5	1.5
7	- 3.2	1.5	- 3.2	1.5	- 1.6	- 1.6	- 3.2	- 9.5	- 8.0	- 3.2	1.5	6.0	6.0
8	1.5	3.0	- 1.6	- 1.6	1.5	- 1.6	- 4.8	- 4.8	- 1.6	1.5	4.5	3.0	- 3.2
9	- 1.6	3.0	1.5	1.5	3.0	- 3.2	- 3.2	- 4.8	1.6	6.0	1.5	4.5	4.5
10	3.0	4.5	3.0	4.5	3.0	- 4.8	- 6.4	- 4.8	- 3.2	6.0	6.0	4.5	7.6
11	4.5	4.5	4.5	6.0	3.0	3.0	- 4.8	-14.3	- 4.8	1.5	1.5	3.0	3.0
12	6.0	7.6	12.1	3.0	3.0	1.5	- 3.2	- 1.6	3.0	1.5	6.0	12.1	9.1
13	- 1.6	4.5	4.5	4.5	3.0	- 3.2	- 4.8	- 6.4	- 3.2	- 1.6	3.0	6.0	6.0
14	1.5	4.5	1.5	3.0	4.5	- 3.2	- 6.4	- 6.4	- 1.6	3.0	4.5	4.5	- 1.6
15	4.5	9.1	4.5	9.1	10.6	- 1.6	- 4.8	- 3.2	- 3.2	4.5	3.0	3.0	4.5
16	6.0	9.1	6.0	9.1	9.1	6.0	1.5	- 1.6	6.0	4.5	9.1	9.1	12.1
17	3.0	9.1	10.6	7.6	3.0	- 1.6	- 4.8	- 8.0	1.5	1.5	6.0	9.1	6.0
18	1.5	7.6	3.0	6.0	7.6	1.5	- 6.4	- 1.6	6.0	12.1	13.6	6.0	7.6
19	7.6	7.6	12.1	12.1	7.6	6.0	1.5	- 4.8	- 1.6	1.5	4.5	6.0	3.0
20	- 3.2	4.5	3.0	3.0	3.0	- 9.5	-12.7	-12.7	- 1.6	- 1.6	- 1.6	- 4.8	6.0
21	- 6.4	- 1.6	- 3.2	- 1.6	1.5	- 6.4	- 9.5	-13.6	- 4.8	1.5	- 4.8	- 6.4	- 8.0
22	- 9.5	- 6.4	- 6.4	- 1.6	- 1.6	- 9.5	-15.9	-12.7	- 6.4	- 6.4	- 6.4	- 3.2	- 4.8
23	- 1.6	- 6.4	- 4.8	- 1.6	- 1.6	- 9.5	-14.3	-14.3	- 9.5	- 9.5	- 8.0	- 1.6	- 1.6
24	- 6.4	- 3.2	- 3.2	- 3.2	- 3.2	- 6.4	-12.7	-14.3	-12.7	- 6.4	1.5	6.0	6.0
25	- 1.6	- 1.6	- 1.6	1.5	- 3.2	- 9.5	-19.1	-15.9	-11.1	- 9.5	- 6.4	7.6	- 1.6
26	- 3.2	1.5	- 1.6	- 1.6	- 1.6	-	-	-	- 3.2	- 3.2	- 1.6	- 3.2	- 1.6
27	- 3.2	4.5	1.5	1.5	1.5	- 6.4	- 9.5	- 8.0	- 4.8	- 1.6	- 1.6	1.5	3.0
28	1.5	3.0	3.0	1.5	3.0	- 9.5	-12.7	- 9.5	- 3.2	4.5	1.5	3.0	1.5
29	3.0	3.0	3.0	4.5	4.5	- 6.4	- 8.0	- 6.4	1.5	4.5	4.5	3.0	1.5
30	9.1	10.6	9.1	6.0	3.0	- 6.4	- 6.4	1.5	4.5	10.6	3.0	13.6	-11.1
31	- 3.2	3.0	4.5	7.6	4.5	- 6.4	- 8.0	- 9.5	-	- 6.4	3.0	3.0	- 1.6
Prom	1.3	3.9	3.1	4.1	3.3	- 2.3	- 5.9	- 6.7	- 2.2	1.1	2.6	4.3	3.0
Var.	1.7	4.3	3.5	4.5	3.7	- 1.9	- 5.5	- 6.3	- 1.8	1.5	3.0	4.7	3.4

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	-42.6	-44.0	-42.6	-48.3	-49.7	-49.7	-46.9	-42.6	-45.4	-48.3	-42.6	-42.6	-44.0
2	-41.2	-44.0	-38.3	-38.3	-46.9	-39.8	-48.3	-39.8	-48.3	-39.8	-46.9	-42.6	-44.0
3	-39.8	-41.2	-42.6	-42.6	-45.4	-44.0	-42.6	-44.0	-44.0	-49.7	-	-	-
4	-28.4	-27.0	-27.0	-28.4	-34.1	-34.1	-29.8	-24.2	-25.6	-27.0	-27.0	-24.1	-32.7
5	-31.2	-29.8	-28.4	-27.0	-28.4	-28.4	-24.1	-29.8	-27.0	-49.7	-36.9	-72.4	-51.1
6	-28.4	-32.7	-25.6	-24.1	-29.8	-32.7	-36.9	-28.4	-34.1	-34.1	-36.9	-28.4	-29.8
7	-28.4	-31.2	-29.8	-31.2	-36.9	-36.9	-31.2	-31.2	-35.5	-35.5	-29.8	-29.8	-28.4
8	-25.6	-31.2	-28.4	-27.0	-31.2	-42.6	-31.2	-31.2	-34.1	-29.8	-29.8	-29.8	-25.6
9	-28.4	-31.2	-31.2	-32.7	-31.2	-45.4	-42.6	-32.7	-28.4	-55.4	-44.0	-32.7	-34.1
10	-29.8	-31.2	-29.8	-29.8	-38.3	-41.2	-36.9	-28.4	-28.4	-28.4	-25.6	-28.4	-29.8
11	-28.4	-28.4	-28.4	-28.4	-36.9	-35.5	-35.5	-25.6	-32.7	-34.1	-34.1	-31.2	-32.7
12	-27.0	-42.6	-29.8	-25.6	-25.6	-28.4	-28.4	-22.7	-27.0	-29.8	-32.7	-28.4	-27.0
13	-34.1	-31.2	-29.8	-29.8	-36.9	-36.9	-34.1	-31.2	-28.4	-29.8	-28.4	-28.4	-29.8
14	-24.1	-28.4	-28.4	-27.0	-32.7	-36.9	-29.8	-25.6	-28.4	-28.4	-28.4	-29.8	-28.4
15	-29.8	-31.2	-29.8	-29.8	-29.8	-36.9	-35.5	-28.4	-34.1	-28.4	-28.4	-34.1	-31.2
16	-28.4	-29.8	-29.8	-31.2	-36.9	-38.3	-32.7	-29.8	-29.8	-31.2	-34.1	-28.4	-25.6
17	-29.8	-29.8	-29.8	-31.2	-35.5	-39.8	-34.1	-38.3	-34.1	-41.2	-34.1	-34.1	-34.1
18	-36.9	-27.0	-27.0	-27.0	-32.7	-34.1	-28.4	-29.8	-27.0	-27.0	-29.8	-29.8	-28.4
19	-51.1	-46.9	-42.6	-42.6	-44.0	-46.9	-45.4	-49.7	-51.1	-51.1	-46.9	-46.9	-48.3
20	-44.0	-45.4	-45.4	-45.4	-49.7	-51.1	-54.0	-48.3	-41.2	-48.3	-48.3	-54.0	-52.5
21	-46.9	-48.3	-49.7	-48.3	-55.4	-56.8	-54.0	-49.7	-58.2	-49.7	-56.8	-54.0	-56.8
22	-56.8	-55.4	-56.8	-55.4	-59.6	-66.7	-62.5	-56.8	-55.4	-55.4	-59.6	-58.2	-58.2
23	-54.0	-54.0	-56.8	-58.2	-61.1	-63.9	-59.6	-56.8	-55.4	-55.4	-54.0	-55.4	-55.4
24	-49.7	-55.4	-54.0	-54.0	-59.6	-62.5	-51.1	-54.0	-58.2	-55.4	-51.1	-55.4	-62.5
25	-56.8	-58.2	-58.2	-56.8	-62.5	-61.1	-66.7	-61.1	-63.9	-71.0	-66.7	-63.9	-62.5
26	-52.5	-56.8	-55.4	-54.0	-52.5	-	-	-	-58.2	-56.8	-61.1	-56.8	-55.4
27	-58.2	-51.1	-52.5	-49.7	-55.4	-62.5	-55.4	-49.7	-54.0	-52.5	-52.5	-55.4	-55.4
28	-49.7	-54.0	-49.7	-48.3	-54.0	-58.2	-55.4	-51.1	-51.1	-49.7	-48.3	-49.7	-49.7
29	-46.9	-45.4	-45.4	-46.9	-45.4	-55.4	-54.0	-51.1	-52.5	-45.4	-46.9	-45.4	-48.3
30	-45.4	-45.4	-45.4	-52.5	-48.3	-56.8	-51.1	-45.4	-46.9	-45.4	-49.7	-45.4	-45.4
31	-42.6	-45.4	-44.0	-45.4	-52.5	-51.1	-52.5	-51.1	-	-42.6	-45.4	-44.0	-44.0
Prom	-39.2	-40.4	-39.1	-39.2	-43.2	-46.2	-43.0	-39.6	-41.3	-42.8	-41.9	-42.0	-41.7
Var.	1.9	0.7	2.0	1.9	- 2.1	- 5.1	- 1.9	1.5	- 0.2	- 1.7	- 0.8	- 0.9	- 0.6

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
6.0	6.0	1.5	1.5	1.5	4.5	4.5	1.5	3.0	3.0	3.0	4.2	0
6.0	1.5	- 6.4	- 3.2	3.0	4.5	3.0	- 3.2	- 1.6	1.5	3.0	3.2	1
-	-	-	-	-	-	-12.7	- 3.2	3.0	10.6	3.0	2.1	2
7.6	- 8.0	- 6.4	- 4.8	- 6.4	-11.1	- 3.2	1.5	10.6	12.1	7.6	2.9	1
3.0	-12.7	-14.3	- 1.6	3.0	3.0	3.0	- 1.6	- 1.6	3.0	1.5	2.7	1
- 3.2	- 6.4	-10.6	-10.6	- 4.8	- 1.6	- 3.2	- 3.2	- 3.2	- 1.6	- 3.2	- 2.9	1
1.5	- 1.6	- 4.8	- 3.2	- 1.6	3.0	1.5	1.5	3.0	3.0	- 1.6	- 0.7	0
1.5	- 4.8	- 4.8	- 4.8	1.5	9.1	- 3.2	- 3.2	9.5	3.0	3.0	0.1	1
- 1.6	- 1.6	- 1.6	- 6.4	- 3.2	1.5	4.5	1.5	4.5	6.0	3.0	0.9	1
- 1.6	- 1.6	- 8.0	-17.5	3.0	6.0	3.0	3.0	1.5	6.0	1.5	0.8	1
1.5	-11.1	- 4.8	- 3.0	- 1.6	- 1.6	- 9.5	4.5	1.5	1.5	1.5	- 0.4	1
1.5	- 6.4	- 6.4	- 8.0	1.5	1.5	- 1.6	1.5	3.0	6.0	3.0	2.3	1
4.5	- 1.6	- 4.8	- 4.8	- 3.2	- 3.2	- 1.6	3.0	1.5	3.0	3.0	0.3	1
3.0	3.0	1.5	- 1.6	1.5	6.0	3.0	3.0	4.5	6.0	3.0	1.7	0
3.0	- 4.8	- 1.6	3.0	6.0	9.0	6.0	3.0	6.0	9.1	1.6	3.4	0
6.0	- 1.6	- 1.6	- 1.6	- 1.6	3.0	1.5	3.0	1.5	1.5	- 1.6	3.9	1
- 1.6	- 4.8	- 4.8	- 3.2	- 1.6	- 1.6	1.5	3.0	4.5	6.0	6.0	1.9	1
1.5	- 1.6	- 1.6	- 4.8	6.0	3.0	9.1	9.1	12.1	13.6	7.6	4.9	1
1.5	- 4.8	- 9.5	- 8.0	1.5	1.5	- 3.2	- 1.6	3.0	1.5	- 1.6	1.8	2
1.5	- 3.2	- 6.4	- 6.4	- 8.0	- 8.0	- 6.4	- 6.4	- 3.2	- 3.2	- 4.8	- 3.4	1
- 8.0	-22.3	-17.5	- 9.5	- 6.4	- 4.8	- 4.8	- 6.4	- 4.8	- 4.8	-12.7	- 6.9	2
- 4.8	- 9.5	-12.7	-15.9	-12.7	- 9.5	- 9.5	- 8.0	- 4.8	- 8.0	- 6.4	- 8.0	1
- 6.4	-12.7	-11.1	-11.1	- 9.5	- 6.4	- 6.4	- 4.8	- 6.4	- 3.2	- 8.0	- 7.1	0
6.0	1.5	-11.1	-12.7	- 9.5	- 8.0	- 6.4	- 6.4	- 3.0	1.5	- 1.6	- 4.5	1
-15.9	-14.3	- 8.0	- 9.5	- 9.5	-11.1	- 9.5	- 9.5	-14.3	10.6	- 8.0	- 7.1	2
-11.1	- 4.8	- 3.2	-11.1	- 6.4	- 4.8	- 6.4	- 6.4	- 8.0	- 3.2	- 1.6	- 4.1	1
- 3.2	- 4.8	- 6.4	- 8.0	- 4.8	- 3.0	- 4.8	- 3.0	- 1.6	1.5	- 1.6	- 2.6	1
1.5	- 1.6	- 4.8	- 4.8	- 6.4	- 8.0	- 3.2	- 3.2	- 3.2	- 4.8	- 1.6	- 2.2	1
- 1.6	- 4.8	- 6.4	- 8.0	- 8.0	- 3.2	- 6.4	- 4.8	- 1.6	4.5	7.6	- 0.8	2
1.5	- 3.2	- 1.6	- 8.0	- 3.2	- 8.0	3.0	1.5	6.0	9.1	- 8.0	1.5	2
1.5	- 3.2	- 1.6	- 1.6	- 4.8	3.0	3.0	10.6	1.5	6.0	13.6	0.8	2
0.0	- 4.9	- 6.0	- 6.3	- 2.8	- 1.2	- 1.8	- 0.8	0.7	3.2	0.3	- 0.4	
0.4	- 4.5	- 5.6	- 5.9	- 2.4	- 0.8	- 1.4	- 0.4	1.1	3.6	0.7		

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
-44.0	-45.4	-44.0	-44.0	-46.9	-42.6	-46.9	-44.0	-42.6	-41.2	-44.0	-44.8	0
-42.6	-42.6	-44.0	-44.0	-44.0	-41.2	-44.0	-45.4	-44.0	-41.2	-45.4	-43.2	1
-	-	-	-	-	-	-25.6	-27.0	-28.4	-25.6	-28.4	-38.1	2
-29.8	-25.6	-28.4	-31.2	-34.1	-32.7	-31.2	-31.2	-31.2	-24.1	-31.2	-29.2	1
-48.3	-41.2	-24.1	-21.3	-22.7	-28.4	-21.3	-25.6	-29.8	-22.7	-27.0	-32.4	2
-36.9	-35.5	-34.1	-34.1	-28.4	-36.9	-31.2	-36.9	-31.2	-27.0	-31.2	-31.9	-
-28.4	-29.8	-32.7	-25.6	-31.2	-22.7	-27.0	-31.2	-29.8	-25.6	-31.2	-30.5	0
-32.7	-31.2	-29.8	-32.6	-29.8	-32.7	-29.8	-28.4	-29.8	-29.8	-32.7	-30.7	1
-31.2	-31.2	-28.4	-31.2	-31.2	-31.2	-31.2	-31.2	-29.8	-28.4	-29.8	-33.5	1
-31.2	-31.2	-31.2	-29.8	-32.7	-29.8	-31.2	-29.8	-29.8	-29.8	-36.9	-31.2	0
-34.1	-32.7	-31.2	-35.5	-34.1	-35.5	-34.1	-29.8	-34.1	-22.7	-28.4	-31.8	1
-32.7	-24.1	-27.0	-29.8	-27.0	-29.8	-27.0	-28.4	-35.5	-24.1	-34.1	-28.9	1
-28.4	-28.4	-28.4	-21.3	-18.5	-24.1	-25.6	-25.6	-25.6	-25.6	-28.4	-28.7	1
-28.4	-25.6	-28.4	-31.2	-31.2	-31.2	-31.2	-32.7	-34.1	-28.4	-34.1	-29.7	1
-34.1	-28.4	-29.8	-28.4	-27.0	-32.7	-31.2	-31.2	-29.8	-28.4	-32.7	-30.9	1
-34.1	-38.3	-35.5	-34.1	-31.2	-31.2	-36.9	-39.8	-31.2	-29.8	-36.9	-32.7	1
-29.8	-28.4	-32.7	-31.2	-24.1	-31.2	-28.4	-31.2	-31.2	-25.6	-31.2	-32.1	2
-29.8	-29.8	-22.7	-32.7	-32.7	-36.9	-42.6	-24.6	-42.6	-38.3	-45.4	-32.5	1
-48.3	-48.3	-48.3	-52.5	-48.3	-54.0	-46.9	-48.3	-48.3	-39.8	-45.4	-47.6	1
-59.6	-54.0	-54.0	-58.2	-55.4	-51.1	-56.8	-51.1	-49.7	-46.9	-52.5	-50.7	1
-54.0	-54.0	-54.0	-56.8	-58.2	-55.4	-61.1	-56.8	-51.1	-55.4	-58.2	-54.2	1
-55.4	-55.4	-59.6	-61.2	-58.2	-	-	-	-	-58.4	58.4	-58.2	1
-58.2	-55.4	-55.4	-54.0	-58.2	-55.4	-56.8	-52.5	-51.1	-52.5	-55.4	-56.0	1
-56.8	-81.0	-73.8	-66.7	-71.0	-69.6	-69.6	-59.6	-59.6	-56.8	-58.2	-60.2	-
-59.6	-52.5	-54.0	-56.8	-58.2	-58.2	-65.3	-55.4	-51.1	-54.0	-58.2	-59.7	1
-62.5	-54.0	-56.8	-62.5	-54.0	-59.6	-56.8	-56.8	-58.2	-55.4	-51.1	-56.5	1
-52.5	-54.0	-52.5	-54.0	-51.1	-56.8	-51.1	-48.3	-52.5	-46.9	-54.0	-53.2	0
-49.7	-42.6	-48.3	-49.7	-49.7	-58.2	-54.0	-48.3	-45.4	- 46.9	-54.0	-50.6	1
-48.3	-46.9	-45.4	-46.9	-45.4	-48.3	-46.9	-42.6	-44.0	-44.0	-42.6	-47.1	1
-42.6	-44.0	-44.0	-44.0	-44.0	-45.4	-48.3	-44.0	-44.0	-42.6	-45.4	-46.3	1
-44.0	-36.9	-38.3	-44.0	-42.6	-38.3	-42.6	-39.8	-35.5	-35.5	-54.0	-44.0	2
-42.3	-40.9	-40.6	-41.2	-40.7	-41.4	-41.1	-39.8	-39.4	-37.2	-41.8	-41.1	
- 1.2	0.2	0.5	- 0.1	0.4	- 0.3	0.0	1.3	1.7	3.9	- 0.7		

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	60.1	59.9	60.0	60.3	60.4	60.7	61.4	61.7	61.9	62.0	61.6	61.1	60.5	60.1	60.1
2	60.0	59.2	58.8	58.8	59.0	59.8	60.0	59.8	59.8	59.6	59.4	58.8	58.1	57.8	57.1
3	56.1	56.1	56.0	56.2	56.2	56.4	57.1	57.4	57.9	57.6	57.3	57.0	56.4	56.0	56.0
4	58.3	58.3	58.7	58.9	59.0	59.4	59.6	59.6	59.4	59.2	58.9	58.4	57.4	56.7	56.2
5	52.1	51.5	50.5	49.6	48.8	48.4	48.5	50.6	48.5	47.7	47.3	47.4	47.5	46.6	45.7
6	48.8	48.8	48.8	49.5	49.6	50.3	51.3	50.9	51.5	52.2	52.2	51.9	52.3	52.6	52.6
7	55.9	55.8	55.5	55.5	56.1	56.4	57.2	58.0	58.3	58.5	58.1	58.6	58.5	58.6	58.4
8	59.1	58.7	59.0	59.2	59.3	59.8	60.0	60.3	60.4	60.2	59.8	59.3	59.1	58.5	58.1
9	59.9	59.5	59.4	59.6	60.0	60.4	61.3	61.4	61.7	61.7	61.4	61.2	60.9	60.4	60.0
10	60.4	60.1	59.9	59.8	60.1	60.8	61.1	61.6	61.7	62.0	61.4	61.2	61.2	61.1	60.2
11	64.7	64.9	65.0	65.8	66.0	66.6	66.8	68.0	68.1	68.2	67.8	67.5	67.1	66.6	66.5
12	67.6	67.6	67.5	67.5	67.7	68.1	68.3	69.4	69.6	69.2	69.2	69.2	68.8	68.1	67.9
13	68.5	68.2	68.1	68.0	68.0	68.1	68.6	68.8	68.8	68.7	68.0	67.3	67.1	66.2	66.0
14	65.2	65.0	65.0	65.0	65.2	65.5	65.7	66.0	65.7	65.7	65.4	65.1	64.6	64.4	64.2
15	64.5	64.5	64.4	64.4	64.9	65.2	65.5	66.0	66.1	66.6	65.6	65.6	65.5	65.0	64.8
16	65.6	65.6	65.7	65.7	65.6	65.7	66.0	65.7	65.7	66.0	65.6	65.2	64.5	63.7	63.0
17	63.9	63.2	63.1	62.5	62.5	62.5	62.4	61.6	61.8	63.2	61.6	60.1	59.8	58.8	58.9
18	58.6	58.7	58.3	58.6	58.7	58.9	58.9	58.8	58.6	58.3	58.3	58.0	57.7	57.2	56.6
19	54.9	54.6	54.1	54.1	54.1	54.3	55.0	55.2	55.4	55.5	55.3	55.1	55.0	54.6	54.1
20	55.1	55.0	55.0	55.1	55.3	56.0	56.4	57.1	57.1	57.1	57.1	57.0	56.9	56.8	56.6
21	57.7	57.5	57.4	57.3	57.9	58.2	58.8	59.2	59.2	59.1	59.0	58.9	58.7	58.6	58.2
22	59.1	59.0	58.9	59.2	59.6	59.5	59.8	60.4	59.8	59.9	59.6	59.5	59.1	58.8	58.2
23	59.0	58.5	58.6	58.8	59.2	59.3	59.6	59.8	59.9	60.2	60.1	60.0	59.8	59.2	58.9
24	60.1	59.9	59.7	60.0	60.7	61.0	61.2	61.3	61.2	61.5	61.6	62.1	61.9	61.4	59.1
25	58.7	58.6	58.6	58.5	58.8	59.1	59.4	59.4	59.4	58.9	58.4	57.9	57.3	59.5	56.2
26	56.0	56.0	55.8	55.8	55.7	56.0	56.3	56.9	56.8	56.7	56.5	56.0	56.1	56.0	56.0
27	57.2	57.2	57.3	57.2	57.7	58.2	58.8	59.4	59.4	59.8	59.8	59.7	59.6	59.5	59.5
28	62.8	63.2	63.6	64.0	64.9	65.4	65.8	65.8	65.7	65.6	66.2	65.8	65.6	65.1	64.8
29	63.4	62.9	62.8	62.4	62.4	62.7	63.6	63.5	62.4	61.8	61.4	60.9	60.5	60.0	59.1
30	58.6	58.0	57.6	57.3	57.3	58.4	59.7	59.0	58.6	58.9	58.1	57.2	57.2	56.6	56.8
31	58.7	58.4	58.3	58.2	58.3	58.5	58.6	58.4	57.9	57.8	57.1	56.5	55.9	55.0	54.5
Prom	59.7	59.5	59.4	59.4	59.6	60.0	60.4	60.7	60.3	60.6	60.3	60.0	59.7	59.3	58.8

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	13.2	12.7	12.2	11.2	10.4	10.5	10.6	10.9	11.2	11.6	12.8	13.6	15.1	15.7	16.3
2	6.7	5.6	5.4	5.0	4.5	4.0	4.7	5.9	7.6	10.7	13.9	15.4	17.4	18.3	18.4
3	9.8	9.3	8.9	8.3	8.1	8.0	11.4	15.5	17.6	19.5	21.4	22.8	24.1	24.5	24.5
4	13.4	12.8	12.3	11.3	11.5	11.0	12.7	16.2	18.1	18.8	20.5	21.5	22.9	23.8	23.0
5	18.4	18.1	17.8	17.3	17.1	17.2	17.4	17.4	16.1	15.9	15.6	15.7	15.8	15.8	15.8
6	15.6	15.5	15.3	14.9	14.6	14.4	14.4	16.5	17.0	18.4	20.4	21.1	21.5	20.9	21.3
7	8.3	7.5	7.3	7.2	6.4	6.3	10.4	15.5	18.4	19.8	20.2	21.0	21.2	21.5	20.5
8	13.3	13.1	12.5	12.5	12.3	12.4	12.8	14.7	17.5	18.2	18.9	19.3	20.3	19.3	20.2
9	10.1	9.8	9.2	8.5	8.6	9.0	11.6	15.3	17.7	19.2	20.1	20.7	21.6	21.9	22.2
10	11.8	11.4	11.2	11.0	10.2	10.3	13.2	16.3	18.1	18.5	19.8	20.7	20.9	20.1	19.3
11	6.4	5.3	4.8	3.8	3.8	3.9	7.6	10.7	12.2	13.7	13.9	15.0	15.3	15.4	15.3
12	4.2	3.5	2.3	1.3	0.3	0.3	7.0	10.5	12.2	13.5	14.0	14.4	15.2	14.5	14.9
13	9.1	9.1	9.5	9.7	9.7	8.9	9.1	9.9	11.3	13.7	14.6	15.2	15.4	15.9	15.5
14	8.1	8.1	8.1	7.7	7.0	7.0	9.0	13.5	15.1	16.3	16.3	17.1	18.2	17.7	16.3
15	5.4	4.9	4.0	3.2	3.1	3.1	9.1	14.0	15.3	16.1	17.0	17.5	17.9	17.5	17.0
16	9.7	9.3	9.1	9.3	9.4	9.4	13.1	14.1	15.3	16.1	17.2	16.8	18.5	18.7	18.8
17	12.9	12.3	12.1	11.8	11.9	12.8	13.4	15.2	16.0	15.9	18.1	18.3	18.2	18.6	18.2
18	16.0	16.0	16.0	15.9	15.3	15.4	15.2	15.0	15.0	15.3	15.8	16.5	18.1	18.2	18.5
19	14.2	13.9	13.5	13.4	12.8	12.4	11.9	11.6	11.8	12.9	13.9	14.9	15.4	15.2	14.7
20	10.6	11.1	10.6	11.4	11.7	11.7	12.5	14.0	16.4	16.7	16.8	19.2	19.2	19.3	19.3
21	10.9	9.7	9.7	8.7	8.7	9.2	12.5	15.5	19.2	20.1	21.5	21.3	21.8	22.3	23.2
22	13.1	12.7	11.2	10.0	10.7	11.6	15.2	19.0	21.9	23.2	24.7	25.2	25.6	26.0	26.3
23	16.4	16.2	15.0	15.0	15.4	15.5	20.1	21.2	23.2	23.6	24.4	25.7	26.4	26.8	26.8
24	18.0	18.0	17.5	17.3	17.7	18.7	21.3	19.4	23.4	24.5	20.5	15.7	15.4	15.4	15.8
25	10.9	9.0	9.6	8.4	7.8	14.4	15.0	18.2	18.0	20.0	21.9	23.1	24.1	24.4	24.1
26	16.3	15.6	15.2	15.2	15.2	15.8	17.8	17.8	20.0	22.5	24.7	25.2	25.3	22.0	22.7
27	15.0	13.1	13.2	13.0	13.7	13.8	15.2	14.2	15.2	15.9	16.6	17.3	17.8	17.9	18.5
28	12.4	11.3	10.8	10.4	10.0	10.2	12.8	14.5	16.3	17.5	18.1	18.3	18.2	18.1	17.6
29	11.1	10.1	10.0	9.8	9.0	9.8	12.5	15.0	17.1	17.9	20.2	21.0	21.6	21.4	22.1
30	14.2	14.0	14.0	14.1	14.3	14.4	15.7	15.8	16.8	18.5	20.4	22.9	24.4	24.6	24.3
31	11.9	11.3	11.0	10.3	9.5	9.4	12.9	15.8	16.8	17.7	17.8	17.6	18.9	19.2	19.3
Prom	11.8	11.3	10.9	10.5	10.3	10.7	12.8	14.8	16.4	17.5	18.4	19.0	19.7	19.7	19.7

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
59.8	59.7	59.6	59.5	60.1	60.3	60.4	60.5	60.2	62.0	10	59.5	19	2.5	760.5 mm.	1014.0 mb.
56.9	56.7	56.1	55.9	56.2	56.4	56.2	56.2	56.2	60.2	0	55.9	19	4.3	58.0	1010.6
55.9	56.0	56.4	56.9	57.4	57.8	57.7	57.9	58.3	58.3	24	55.9	16	2.4	56.8	1009.0
55.7	55.4	55.2	54.7	55.0	55.1	54.4	54.2	53.5	59.6	7,8	53.5	24	6.1	57.1	1009.4
45.8	45.6	45.8	46.3	48.6	49.7	48.8	48.2	47.9	53.5	0	45.6	17	7.9	48.2	997.6
52.6	52.8	53.3	53.6	54.4	54.6	54.7	55.2	55.5	55.5	24	47.9	0	7.6	52.1	1002.8
58.2	58.4	58.5	58.5	58.6	59.3	59.4	59.5	59.5	59.5	23,24	55.5	0,3,4	4.0	57.9	1010.5
58.1	58.3	58.3	58.9	59.2	59.6	59.8	59.9	59.9	60.4	9	58.1	15,16	2.3	59.3	1012.4
59.8	59.6	59.6	59.6	59.9	60.0	59.9	60.2	60.4	61.7	9,10	59.4	3	2.3	60.3	1013.7
61.1	61.8	61.8	62.0	62.8	63.6	64.0	64.7	64.7	64.7	23,24	59.8	4	4.9	61.1	1014.8
66.6	66.7	67.0	67.6	68.0	68.4	68.3	68.4	67.6	68.4	21,22	64.7	0,1	3.7	67.0	1022.6
67.9	68.1	68.3	68.4	68.4	68.6	68.6	68.5	67.8	69.6	9	67.7	15-16	1.9	68.3	1024.5
65.9	65.9	65.9	66.2	66.2	66.0	65.9	65.9	65.6	68.8	8,9	65.6	24	3.2	67.2	1022.9
63.9	63.9	64.0	64.3	64.6	64.7	64.8	65.0	64.9	66.0	8	63.9	16,17	2.1	64.9	1019.8
64.8	64.7	64.7	65.2	65.4	65.6	65.5	65.6	65.6	66.1	10	64.4	3-4	1.7	65.2	1020.2
62.6	62.4	62.6	62.8	63.2	63.7	63.2	63.2	63.8	66.0	7,10	62.4	17	3.6	64.4	1019.2
59.0	59.2	59.4	59.4	59.5	59.3	59.4	59.3	58.8	63.9	1	58.8	14,24	5.1	60.8	1014.4
56.3	55.9	55.8	56.1	56.2	56.1	56.0	55.9	55.8	58.9	6,7	55.8	18,24	3.1	57.4	1009.8
53.9	54.1	54.2	54.3	54.6	55.1	55.1	55.3	55.2	55.8	0	53.9	16	1.9	54.8	1006.4
56.6	56.9	57.2	57.3	57.6	57.9	58.1	58.1	58.1	58.1	22,23,24	55.0	2,3	3.1	56.7	1008.9
57.9	58.0	58.1	58.7	58.8	58.9	59.0	59.3	59.2	59.3	23	57.3	4	2.0	58.5	1011.3
58.0	58.0	58.0	58.8	59.0	59.3	59.2	59.1	59.0	60.4	8	58.0	16,17,18	2.4	59.1	1012.1
58.7	58.6	58.6	59.0	59.6	60.4	60.1	60.6	60.1	60.6	23	58.5	2	2.1	59.4	1012.5
59.4	59.3	59.5	59.6	59.8	59.7	59.5	59.4	58.9	62.4	12-13	59.1	15	3.3	60.3	1013.7
56.0	56.1	56.2	56.2	55.8	55.7	55.7	55.8	55.7	59.4	7,8,9	55.7	21,22,24	3.7	57.6	1010.1
56.1	56.2	56.2	56.5	56.8	57.3	57.4	57.5	57.4	57.5	23	55.7	0,5	1.8	56.4	1008.5
59.6	60.1	60.5	61.1	61.6	61.7	61.9	62.1	62.7	62.7	24	57.2	1,2,4	5.5	59.6	1012.8
64.4	64.4	64.4	64.6	64.6	64.5	64.2	64.0	63.6	65.8	7,8	62.7	0	3.1	64.7	1019.6
58.7	58.6	58.5	58.9	59.0	59.2	59.2	58.8	58.6	63.6	0	58.6	24	5.0	60.8	1014.4
56.8	57.0	57.0	57.7	58.2	59.6	59.8	59.8	59.7	59.9	6-7	56.7	16-17	3.2	58.1	1010.8
53.6	52.6	52.6	52.5	52.0	52.1	51.3	51.4	51.2	59.7	0	51.2	24	8.5	55.5	1007.3
58.7	58.7	58.8	59.1	59.4	59.7	59.6	59.7	59.5	61.6		57.9		3.7	59.6	1012.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
15.9	15.6	14.0	11.6	10.6	10.3	9.3	8.5	7.6	16.3	15	7.6	24	8.7	12.1
18.3	18.0	15.6	13.0	10.6	10.1	9.6	10.1	9.7	18.4	15	4.0	6	14.4	10.8
24.5	23.5	21.6	18.9	17.2	16.1	15.2	14.4	14.8	24.7	15-16	8.0	6	16.7	16.7
22.0	21.1	19.4	18.3	18.0	17.2	17.7	18.3	18.7	24.0	13-14	11.0	6	13.0	17.5
16.1	16.4	16.4	16.0	16.0	16.1	16.0	15.5	15.9	18.7	0	15.5	23	3.2	16.5
21.1	20.0	17.2	14.7	12.8	11.5	10.3	9.8	8.6	21.5	15-16	8.6	24	12.9	16.2
20.6	20.0	17.6	14.7	12.4	11.8	11.5	11.6	12.1	21.8	13-14	6.3	6	15.5	14.2
19.7	19.2	17.8	14.8	13.0	12.7	12.0	11.1	10.8	20.6	13-14	10.3	23-24	10.3	15.4
22.1	21.2	18.6	15.1	14.0	12.9	11.8	11.7	11.8	22.2	15	8.4	4-5	13.8	15.2
15.0	13.4	13.4	13.2	12.4	11.7	10.8	9.9	8.1	20.9	13	8.1	24	12.8	14.2
15.3	14.3	12.4	10.0	7.9	6.9	6.2	5.5	5.0	15.6	14-15	3.7	5-6	11.9	9.6
14.1	12.3	11.5	10.9	9.7	8.9	8.6	8.4	8.4	15.5	13-14	0.3	5-6	15.2	9.2
15.4	14.9	13.7	11.9	10.6	10.0	9.5	8.8	8.2	15.9	14	8.2	24	7.7	11.6
16.6	15.7	14.3	13.0	12.0	11.6	9.0	7.9	6.6	17.7	14	6.6	24	11.1	12.2
16.5	16.0	14.2	12.4	11.2	9.5	8.5	9.6	10.5	17.9	13	3.0	5-6	14.9	11.4
18.2	17.3	16.1	15.2	15.0	15.0	14.5	14.4	13.4	18.8	15	9.1	3	9.7	14.3
17.9	17.2	16.7	16.5	16.4	16.8	16.8	16.8	16.3	17.9	16	11.8	4	6.1	15.7
18.7	18.6	17.6	16.8	16.0	15.3	15.1	15.2	14.9	18.7	16	14.9	24	3.8	16.3
15.8	15.5	14.4	13.1	12.0	10.8	9.4	9.6	10.3	15.8	16	9.4	22	6.4	13.0
20.2	19.5	17.6	15.5	14.0	13.3	12.5	12.0	11.4	20.2	16	10.3	0	9.9	14.8
23.2	23.0	20.8	18.3	16.0	14.6	13.0	12.6	12.9	23.3	16-17	8.7	4,5	14.6	16.2
26.3	24.2	22.3	20.9	19.6	18.5	18.1	17.5	17.2	26.3	15,16	9.8	4-5	16.5	19.2
26.5	25.7	24.2	21.0	19.8	20.2	18.6	18.8	18.5	26.8	14,15	14.7	4-5	12.1	21.0
18.5	18.6	17.8	16.9	15.6	15.3	13.4	12.7	11.8	24.5	10	11.8	24	12.7	17.4
23.4	22.5	20.4	19.3	18.9	18.5	18.2	16.4	16.9	24.4	14	7.8	5	16.7	17.6
22.7	21.8	21.2	19.4	18.0	16.8	16.5	15.4	15.6	26.0	13-14	15.4	23	10.6	19.1
18.5	18.6	17.5	16.0	15.0	14.5	14.1	13.4	13.2	18.6	17	13.0	4	5.6	15.5
17.1	16.7	14.9	13.8	13.4	13.1	12.7	12.2	11.9	18.3	12	10.0	5	8.3	14.3
21.8	20.4	19.0	17.3	16.0	15.4	13.9	13.1	14.0	22.1	15	9.0	5	13.1	15.8
24.1	22.4	20.2	17.7	16.0	14.9	13.9	13.9	12.2	25.1	14-15	12.2	24	12.9	17.6
19.6	18.4	18.2	16.9	16.8	17.2	17.3	16.6	14.7	19.8	16-17	9.4	6	10.4	15.7
19.5	18.8	17.3	15.6	14.4	13.8	13.0	12.6	12.3	20.6		9.3		11.3	15.0

HUMEDAD RELATIVA en %

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

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	11.0	10.5	10.0	9.5	9.0	9.0	9.0	8.5	8.0	8.0	8.5	8.0	8.5	9.1	9.0
2	6.8	6.6	6.4	6.2	6.0	5.8	6.2	6.5	7.6	7.8	8.5	8.5	8.5	9.4	10.5
3	8.0	8.0	7.8	7.8	7.8	7.8	7.8	10.0	10.0	10.5	10.5	10.5	11.5	11.5	12.0
4	10.5	10.0	9.5	9.0	9.0	9.0	9.0	11.4	12.5	12.5	14.0	13.5	13.5	15.4	14.0
5	12.0	12.0	12.5	12.0	12.0	12.0	11.5	11.8	12.5	13.0	12.5	13.0	13.0	12.7	13.0
6	12.5	12.5	12.5	12.0	12.0	11.5	11.5	12.2	11.5	9.5	9.0	9.5	9.0	8.9	9.0
7	7.8	7.4	7.4	7.2	7.0	7.0	8.5	10.8	8.0	8.0	7.4	8.5	7.8	8.0	7.6
8	10.0	9.5	9.5	8.5	8.5	9.0	9.0	10.3	11.5	11.0	11.0	11.0	11.0	9.1	11.0
9	9.0	8.5	8.0	8.0	8.0	7.8	8.0	10.2	10.5	10.0	11.5	12.0	13.0	13.4	13.5
10	9.5	9.0	9.0	9.5	9.0	9.0	8.5	10.9	11.0	12.0	11.5	11.0	11.5	10.8	11.0
11	7.0	6.4	6.2	5.8	5.8	5.8	6.0	6.3	5.0	4.8	5.0	4.8	4.8	5.2	4.8
12	6.0	5.6	5.2	4.8	4.4	4.4	4.2	5.7	6.0	6.6	6.8	6.4	6.6	6.6	6.0
13	7.4	7.0	8.0	8.5	8.5	7.8	7.8	8.4	8.0	8.5	8.0	8.0	7.4	9.0	8.0
14	7.8	7.8	7.8	7.6	7.2	7.2	7.2	9.7	9.0	8.5	9.0	9.0	9.5	9.2	9.0
15	6.4	6.2	5.8	5.6	5.4	5.4	7.0	10.0	9.5	9.5	9.5	8.5	8.5	8.5	8.0
16	7.4	7.2	7.0	7.6	8.0	7.6	7.6	8.0	8.0	7.8	8.5	7.4	8.0	7.8	7.6
17	8.5	8.5	8.5	8.5	8.5	9.0	9.0	9.0	8.5	9.0	9.5	9.0	9.0	9.6	10.5
18	11.0	11.5	11.5	11.5	12.5	12.5	12.5	12.7	12.0	12.5	12.0	12.0	13.5	12.5	12.0
19	11.5	11.5	11.0	11.0	10.5	10.5	10.0	10.2	9.5	9.5	9.5	10.0	10.5	10.6	10.0
20	9.0	9.5	9.0	9.5	10.0	10.0	10.5	11.9	13.5	13.0	12.0	12.5	12.0	12.8	12.5
21	9.5	8.5	8.5	8.0	8.0	8.0	10.5	13.1	13.5	12.5	12.0	12.5	12.0	12.5	12.0
22	10.5	10.5	9.5	9.0	9.0	9.5	12.5	14.4	13.0	12.0	12.0	12.5	12.5	13.4	13.0
23	12.0	12.5	12.0	12.0	12.0	12.5	14.0	15.7	15.0	14.5	15.0	14.0	14.5	14.5	15.0
24	14.0	14.0	14.0	14.0	14.5	14.5	15.5	13.6	14.5	17.5	17.5	12.5	12.5	12.5	11.5
25	9.5	8.0	8.5	8.0	7.6	11.5	12.0	13.4	13.5	14.0	15.0	15.0	15.0	14.3	14.0
26	12.5	12.5	12.5	12.5	12.5	13.0	14.0	14.5	13.5	13.5	14.5	15.0	15.0	16.5	19.0
27	12.0	11.0	11.0	10.5	11.0	10.5	11.5	11.2	11.0	11.5	11.5	12.0	11.5	12.1	12.0
28	9.5	9.5	9.0	9.0	8.5	9.0	9.0	9.1	10.0	9.0	9.5	9.5	10.5	10.4	8.5
29	7.6	8.0	7.8	8.0	8.0	7.8	8.5	9.7	10.5	9.5	10.0	9.5	10.0	9.8	9.0
30	10.5	10.0	11.0	11.0	11.5	11.5	12.5	13.3	13.0	13.0	12.5	13.0	14.0	14.3	14.0
31	10.0	9.5	9.5	9.0	8.5	8.5	8.5	9.7	11.0	10.5	11.0	10.0	11.0	10.4	10.0
Prom.	9.6	9.3	9.2	9.1	9.0	9.2	9.6	10.7	10.7	10.6	10.8	10.6	10.8	11.0	10.9

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
66	66	82	85	84	84	84	88	93	100	6,7	66	16,17	34	84
66	75	81	86	93	94	91	91	91	100	varios	57	13	43	86
58	64	75	87	92	93	93	94	94	98	6	50	14	48	78
72	73	81	87	90	90	81	80	78	95	3,4,5	70	varios	25	83
100	100	100	100	100	100	100	100	100	100	varios	78	0	22	93
50	55	66	81	90	94	97	98	99	100	varios	47	14,15	53	79
43	50	69	75	86	89	91	97	97	100	varios	41	13,14	59	75
70	75	84	89	93	94	93	100	100	100	23,24	54	14	46	81
64	64	76	87	93	97	97	97	93	100	varios	64	16,17	36	83
82	90	90	89	86	94	87	87	89	99	6	61	13,14	38	82
45	50	66	72	89	94	98	99	100	100	varios	39	14	61	73
54	57	63	64	76	84	85	91	94	100	varios	50	15	50	74
66	66	73	76	89	94	98	98	99	99	24	59	13	40	81
65	66	73	77	83	89	100	100	100	100	varios	61	14	39	83
57	58	66	69	82	95	99	90	85	100	varios	57	varios	43	80
57	67	73	80	82	83	82	76	75	93	5	49	14,15	44	71
74	79	83	85	85	81	80	80	82	85	20,21	58	12	27	75
78	78	81	94	100	100	100	100	100	100	varios	78	varios	22	91
81	83	89	96	100	100	100	100	100	100	varios	81	12,16	19	94
74	78	89	100	100	100	100	100	100	100	varios	74	13,16	26	92
58	65	80	88	100	100	100	100	100	100	varios	58	16	42	86
52	66	73	75	79	87	89	90	89	100	varios	52	16	48	78
56	56	73	85	85	75	78	84	89	100	3,4	56	varios	44	77
78	78	83	94	93	94	94	95	96	100	12,13	67	9	33	90
58	64	77	84	88	95	97	97	95	100	6	58	16	42	85
82	88	82	86	100	100	100	100	100	100	varios	62	13	38	89
79	75	84	89	93	94	96	99	90	100	0,1	75	17	25	89
71	72	75	80	80	80	80	87	88	100	4,5	59	15	41	79
52	56	69	77	89	94	99	99	90	99	varios	49	15	50	76
66	71	74	68	81	84	89	95	95	100	7,8	61	12,13	39	82
64	70	80	84	92	94	92	100	100	100	23,24	63	14,15	37	83
66	70	78	84	89	92	92	94	94	99		60		39	82

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
9.0	8.5	9.5	8.0	8.1	7.6	7.2	7.2	7.2	11.0	1	7.2	varios	3.8	8.7
10.5	11.0	10.5	9.5	8.8	8.5	8.0	8.5	8.0	11.0	17	5.8	6	5.2	8.1
13.0	13.5	13.0	14.0	13.4	12.5	12.0	11.0	11.5	14.0	19	7.8	varios	6.2	10.6
14.0	13.5	13.5	13.5	13.8	12.5	12.5	12.0	12.0	15.4	14	9.0	varios	6.4	12.1
13.0	13.5	13.5	13.0	13.5	13.0	13.0	12.5	13.0	13.5	varios	11.5	7	2.0	12.6
8.5	9.0	9.5	10.0	10.0	9.0	9.0	8.5	8.0	12.5	varios	8.0	24	4.5	10.2
7.6	8.0	10.0	9.0	9.2	9.0	9.0	9.5	10.0	10.8	8	7.0	5,6	3.8	8.3
11.5	12.0	12.5	11.0	10.4	10.0	9.5	9.5	9.0	12.5	18	8.5	4,5	4.0	10.2
12.5	11.5	12.0	11.0	11.8	10.5	10.0	10.0	9.5	13.5	15	7.8	6	5.7	10.2
10.5	10.0	10.0	9.5	9.2	9.0	8.0	7.8	7.0	12.0	10	7.0	24	5.0	9.8
5.4	5.8	7.2	6.6	7.1	6.8	6.8	6.6	6.2	7.2	18	4.8	varios	2.4	5.9
6.2	6.0	6.2	6.0	7.0	7.0	6.8	7.6	7.6	7.6	23,24	4.2	7	3.4	6.1
8.0	7.8	8.5	8.0	8.6	8.5	8.5	8.0	7.8	9.0	14	7.0	2	2.0	7.9
8.5	9.0	8.5	8.5	8.7	8.5	8.0	7.6	7.0	9.7	8	7.0	24	2.7	8.3
8.0	7.8	8.0	7.2	8.2	8.0	8.0	7.8	7.8	10.0	8	5.4	5,6	4.6	7.7
9.0	9.5	9.5	9.5	10.4	10.5	10.0	9.5	8.0	10.5	21	7.0	3	3.5	8.4
11.0	11.0	11.0	11.5	11.8	11.5	11.0	11.0	11.0	11.8	20	8.5	varios	3.3	9.8
12.0	12.0	12.0	13.0	13.5	12.5	12.5	12.5	12.0	13.5	13,20	11.0	1	2.5	12.2
11.0	10.5	10.5	10.5	10.5	9.0	8.5	8.5	9.0	11.5	1,2	8.5	22,23	3.0	10.2
12.5	13.0	13.0	12.5	11.9	11.0	10.5	10.0	9.5	13.5	9	9.0	1,3	4.5	11.3
12.0	12.0	14.0	14.5	13.5	12.0	10.5	10.5	10.5	14.5	19	8.0	varios	6.5	11.2
13.0	15.5	14.5	13.0	13.4	13.5	13.5	13.0	12.5	15.5	17	9.0	4,5	6.5	12.3
14.5	14.0	16.0	15.0	14.6	12.5	12.0	13.0	13.0	16.0	18	12.0	varios	4.0	13.7
12.0	12.0	12.0	13.0	11.5	12.0	10.5	10.0	9.5	17.5	10,11	9.5	24	8.0	13.1
12.0	12.5	13.5	13.5	14.3	14.5	15.0	13.5	13.0	15.0	varios	7.6	5	7.4	12.5
16.5	17.0	15.5	14.5	15.4	13.5	13.5	12.5	12.5	19.0	15	12.5	varios	6.5	14.2
12.0	11.5	12.0	11.5	11.9	11.0	11.5	11.0	9.5	12.1	14	9.5	24	2.6	11.3
10.5	10.0	9.0	9.0	9.2	8.5	8.5	9.0	9.0	10.5	13,16	8.5	varios	2.0	9.3
10.0	10.0	11.0	7.6	12.1	12.0	11.5	10.5	10.0	12.1	20	7.6	1,19	4.5	9.5
15.0	14.5	13.5	10.0	11.0	10.5	10.0	10.0	9.5	15.0	16	9.5	24	5.5	12.0
10.5	11.0	12.0	11.5	13.0	13.5	13.5	13.5	12.0	13.5	varios	8.5	varios	5.0	10.7
11.0	11.1	11.3	10.8	11.2	10.6	10.3	10.1	9.7	12.6		8.2		4.4	10.3

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	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V
1	SE	11	SE	10	SE	9	SE	9	SE	11	SE	13	SE	11	SE	13	SE	16	SE	11	SE	12	SE	12	SE	12	SE	11	SE	10
2	C	1	C	1	SE	2	C	1	SE	2	S	2	S	3	C	1	SW	3	NE	2	NW	3	NW	5	NW	5	W	8	W	7
3	NW	12	NW	11	NW	12	NW	9	NW	7	NW	8	NW	9	NW	14	NW	20	NW	24	NW	24	NW	24	NW	22	NW	25	NW	22
4	SE	4	SE	3	SE	4	SE	4	SE	6	E	6	E	6	E	12	E	18	E	16	E	14	E	15	E	12	E	15	E	15
5	NE	28	NE	31	NE	25	NE	24	NE	18	NE	15	NE	12	E	10	SW	9	SW	6	SE	4	SE	6	SE	4	SE	4	E	8
6	SW	11	SW	6	SW	2	W	2	SW	6	SW	7	SW	10	SW	7	SW	11	SW	8	SW	10	SW	12	SW	11	SW	13	SW	11
7	W	3	W	4	SW	3	C	1	C	0	C	1	S	3	SE	2	E	5	SE	4	SE	6	S	7	S	7	S	7	S	8
8	W	7	W	6	SW	7	NW	8	SW	4	SW	9	SW	4	SE	2	SW	8	W	11	W	16	SW	15	SW	14	SW	9	SW	8
9	NW	11	NW	11	NW	7	W	7	W	7	W	8	W	9	W	8	W	16	W	19	W	20	W	24	W	14	W	19	W	12
10	NW	8	NW	7	NW	8	NW	4	NW	5	NW	5	NW	5	NW	15	NW	22	W	17	W	10	W	7	SW	6	SW	10	SW	11
11	SE	3	SE	3	SE	2	SW	2	SW	2	SE	4	SE	6	SE	8	S	6	S	11	S	11	S	12	S	14	S	16	S	10
12	C	0	C	0	C	0	C	0	SE	2	SE	2	SE	4	SE	4	SE	4	E	4	E	2	C	1	SE	3	SE	3	SW	7
13	E	2	SE	3	E	4	E	4	E	4	SW	3	SE	4	C	1	SE	5	SE	4	SE	7	SE	6	SE	9	SE	10	SE	8
14	SE	4	SE	3	SE	4	SE	3	SE	5	SE	3	SE	6	SE	3	SE	7	SE	7	SE	5	SE	10	E	9	E	10	E	5
15	S	2	C	1	C	1	SE	2	SE	3	SE	4	SE	3	SE	5	SE	8	SE	11	E	15	E	16	E	15	E	17	E	16
16	E	6	E	6	E	6	E	9	E	8	E	7	E	10	E	12	E	18	E	19	E	17	E	17	E	18	E	20	E	21
17	E	13	E	9	E	13	E	12	E	13	E	18	E	18	E	27	E	35	E	22	E	22	E	30	E	27	E	22	E	27
18	E	23	E	19	E	19	E	17	E	16	E	14	E	16	E	16	E	18	E	20	E	16	E	14	E	16	E	17	E	15
19	NE	13	NE	16	N	9	NW	9	NW	14	NW	11	NW	10	NW	11	NW	14	NW	12	NW	14	NW	15	NW	14	NW	11	NW	8
20	C	0	C	0	W	2	W	5	W	2	SW	5	SW	9	SW	5	SW	7	SW	8	SW	7	SW	10	SW	7	SW	9	SW	8
21	W	4	W	2	C	1	C	1	C	1	W	2	C	1	W	2	SW	2	SW	4	W	4	W	7	W	7	W	7	W	6
22	NE	6	NE	3	C	1	NE	2	NE	4	NW	5	W	3	W	4	W	3	W	4	NW	5	NW	5	NW	4	NW	6	NW	7
23	NW	2	NW	6	W	6	W	5	W	8	W	4	W	5	W	6	W	8	W	7	W	10	W	12	NW	11	NW	11	NW	8
24	NE	8	NE	5	NE	6	NW	5	NW	7	NW	8	NW	9	NW	8	N	10	N	8	SE	9	SE	14	SE	9	SE	7	SE	15
25	E	3	E	2	E	4	C	0	E	2	E	2	E	4	E	9	E	10	E	9	E	8	E	6	E	7	E	10	E	7
26	NE	8	NE	5	NE	8	NE	9	NE	7	NE	4	NE	8	SW	6	SW	4	SW	3	W	3	NW	6	NW	8	W	8	SW	7
27	C	1	SE	5	SE	6	SE	7	SE	4	SE	5	SE	5	SE	6	SE	7	SE	3	SE	4	SE	3	SE	3	SE	2	SE	2
28	SE	3	SE	5	SE	3	SE	7	SE	4	SE	5	SE	8	SE	9	SE	13	SE	11	SE	12	SE	11	E	9	E	10	E	12
29	E	8	E	7	E	4	E	6	NE	3	NE	4	NE	9	NE	15	NE	15	N	20	N	18	N	18	NE	13	NE	13	NE	9
30	N	7	N	8	N	7	N	5	NE	3	C	1	W	8	NW	12	NW	11	SW	6	SW	7	SW	6	SW	9	SW	9	SW	9
31	SE	5	SE	7	SE	4	SE	4	SE	2	SE	4	SE	6	E	8	E	9	NE	10	NE	12	NE	14	NE	14	NE	14	NE	10
DIR. PREV.	E-SE		SE		SE		SE		SE		SE		SE		SE		E-SE-SW		SE		SE		SE		E		E		E	
Nº de HORAS	6		8		8		7		9		8		9		9		7		7		8		7		8		8		9	
PROM. HOR. DE LA VELOC.		7		6		6		6		6		6		7		8		11		10		10		12		11		11		11

15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		PREVAL. DIARIA		PROM. DIARIO	VELOCIDAD INSTANTÁNEA		
D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	DIR.	Nº de HORAS	DE VELOC.	VELOC.	DIREC.	HORA
SE	8	SE	6	SE	3	SE	2	S	5	S	4	S	4	S	3	SE	4	SE	20	9	29	SE	8.37
NW	9	NW	8	NW	6	N	5	N	3	NE	4	N	7	N	11	N	10	NW	6	4	13	W	14.18
W	16	W	11	W	5	W	3	W	3	W	3	SW	4	SW	3	NW	3	NW	16	12	31	NW	9.14
E	19	E	13	E	13	E	18	E	12	E	11	NE	10	NE	13	NE	17	E	16	12	29	NE	23.39
E	5	E	8	E	9	W	6	W	8	W	6	NW	3	W	3	W	3	NE	7	11	36	NE	0.36
SW	11	SW	9	SW	6	SW	6	C	1	C	1	SW	2	SW	3	W	3	SW	20	7	26	SW	7.48
S	5	S	6	S	2	E	2	C	0	C	0	C	0	C	1	W	6	S	8	3	15	S	13.29
SW	7	SW	6	C	1	C	0	C	1	NW	4	NW	6	NW	8	NW	8	SW	11	7	24	W	11.30
W	10	W	8	NW	7	NW	3	NW	5	NW	3	NW	2	NW	2	NW	4	W	14	10	24	W	11.12
SW	17	SW	18	SW	5	SW	5	SW	6	SW	6	S	5	S	4	S	5	SW-NW	9	9	32	SW	15.44
S	12	S	8	S	2	C	0	C	0	C	0	C	0	C	0	C	0	S	10	6	25	S	13.44
SW	3	E	6	E	4	E	4	E	2	E	4	E	3	S	2	SE	5	E-SE	8	3	9	SE	8.36
SE	9	SE	6	SE	9	SE	9	SE	5	SE	5	SE	5	SE	2	S	4	SE	17	5	12	SE	12.47
E	10	E	10	E	10	E	8	E	8	E	6	E	2	C	0	SE	2	SE	13	6	14	E	16.42
E	15	E	14	E	12	E	8	SE	8	SE	4	SE	5	E	8	E	7	E	11	8	26	E	15.16
E	21	E	22	E	17	E	16	E	16	E	17	E	18	E	18	E	14	E	24	15	28	E	16.12
E	18	E	18	E	16	E	16	E	15	E	18	E	22	E	24	E	22	E	24	20	48	E	8.16 y 9.14
E	15	E	15	E	19	E	18	E	14	E	16	E	17	E	16	E	14	E	24	17	29	E	0.12
NE	7	NE	7	NE	5	NE	2	E	3	C	0	C	0	C	1	C	0	NW	12	8	18	W	3.54
SW	10	SW	11	SW	7	SW	3	SW	2	SW	3	SW	4	SW	3	SW	2	SW	19	5	17	SW	11.24
W	5	C	1	C	1	E	2	C	1	C	0	E	2	E	2	E	3	W	10	3	12	NW	10.40
W	3	W	5	C	1	E	2	E	4	NE	7	NE	9	NW	6	NW	6	NW	8	4	10	NW	11.14
NW	9	NW	8	W	2	C	1	SE	4	SE	9	E	9	E	8	NE	7	W	11	7	14	NW	12.18
NE	11	NE	9	NE	9	E	4	E	3	E	4	E	2	E	5	E	4	NE	7	7	26	NE	14.56
E	9	E	9	E	7	E	3	E	9	E	8	E	5	E	5	E	4	E	24	6	14	NE	7.24
SW	9	SW	8	SW	8	SW	3	C	1	C	0	SE	3	SE	4	SE	2	SW	8	6	18	SW	14.48
SE	2	SE	3	C	0	C	0	C	0	C	0	C	0	C	0	SE	4	SE	17	3	10	SE	3.34
E	11	E	11	E	10	E	10	E	11	E	12	E	9	E	8	E	8	SE-E	12	9	17	E	13.48
NE	11	NE	10	NE	7	E	5	NE	3	E	4	E	4	E	3	NE	9	NE	13	9	26	N	9.55
SE	7	SE	8	SE	8	SE	9	SE	8	SE	7	SE	5	SE	8	SE	4	SE	9	7	33	W	6.31
E	9	E	12	E	5	E	5	E	8	E	7	E	9	E	6	SE	5	E	10	8	23	NE	11.41
E		E		E		E		E		E		E		E		E		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
10		11		11		15		12		11		12		11		8		DIR.	HORAS		84 Km.		
	10		9		7		6		5		6		6		6		6	E	197	8	DIREC. NE	DIA 5	HORA 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
	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							20	194	4	16								210
2	5	36	2	6			2	4	2	5	1	3	2	15	6	36	4	109
3											2	7	6	41	16	246		294
4			3	40	16	215	5	21										276
5			7	153	5	40	4	18			2	15	5	26	1	3		255
6											20	162	2	5			2	169
7					2	7	3	12	8	45	1	3	3	13			7	83
8							1	2			11	91	4	40	5	34	3	169
9													14	181	10	55		236
10									3	14	9	84	3	34	9	79		211
11							6	26	10	102	2	4					6	132
12					8	29	8	27	1	2	2	10					5	69
13					4	14	17	106	1	4	1	3					1	128
14					10	78	13	62									1	140
15					11	143	10	53	1	2							2	200
16					24	353												353
17					24	477												477
18					24	400												400
19	1	9	6	50	1	3									12	143	4	206
20											19	120	3	9			2	129
21					4	9					2	6	10	46			8	68
22			6	31	2	6							6	22	8	44	2	105
23			1	7	2	17	2	13					11	73	7	55	1	166
24	2	18	7	63	6	22	4	39							5	37		179
25					23	142											1	142
26			7	49			3	9			8	48	2	11	2	14	2	132
27							17	71									7	72
28					12	121	12	91										212
29	3	56	13	121	8	41												218
30	4	27	1	3			9	64			6	46	1	8	2	23	1	174
31			6	74	10	78	8	37										189
SUMAS	15	146	59	597	196	2195	144	849	30	190	86	602	72	524	83	769	59	5901
% PREVAL POR VELOCIDAD	2.5		10.1		37.1		14.4		3.2		10.2		9.0		13.0		0.5	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	10		10		11		6		6		7		7		9		0.5	190

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	1	5	6	6	1	1	3	4	4
1 - 2	1	5	5	8		1	3	4	4
2 - 3	2	3	6	8		3	2	3	4
3 - 4	1	3	5	7		1	4	5	5
4 - 5		5	5	9		3	3	4	2
5 - 6		3	5	8	1	4	3	5	2
6 - 7		3	5	9	2	3	4	4	1
7 - 8		1	7	9		3	4	5	2
8 - 9	1	1	7	7	1	7	3	4	
9 - 10	2	2	6	7	1	6	5	2	
10 - 11	1	1	7	8	1	3	6	4	
11 - 12	1	1	6	7	2	4	4	5	1
12 - 13		2	8	6	2	5	2	6	
13 - 14		2	8	6	2	5	4	4	
14 - 15		3	9	3	2	7	3	4	
15 - 16		3	10	4	2	6	4	2	
16 - 17		3	11	4	2	5	3	2	1
17 - 18		3	11	3	2	4	2	2	4
18 - 19	1	1	15	3		4	2	1	4
19 - 20	1	1	12	4	1	2	2	1	7
20 - 21		2	11	4	1	2	2	2	7
21 - 22	1	2	12	4	2	3		3	4
22 - 23	1	1	11	3	3	3	1	3	5
23 - 24	1	3	8	7	2	1	3	4	2
SUMAS	15	59	196	144	30	86	72	83	59
% de frec. por dirección	2.0	8.0	26.3	19.4	4.0	11.5	9.7	11.2	7.9

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	St	8	Sc	6	Cu	5	Claro	0	Ac	5	97	97	99
2	Niebla	8	Ci	4	Ci	2	Ci	2	Ci	2	0	8	8
3	Claro	0	Claro	0	Claro	0	Sc	2	Ac	3	8	9	8
4	Claro	0	Claro	0	Claro	0	Ci	2	Claro	0	3	6	8
5	Cb	8	Ns	8	Ns	8	Sc	6	Ns	8	8	6	6
6	Sc	6	Ac 1 Cs 7	8	Ci	2	Claro	0	Claro	0	8	9	9
7	Ci	1	Cu 1 Ci 6	7	Cu	4	Ci	3	Claro	0	8	8	8
8	Ac 3 Cs 4	7	Cu	3	Cu	4	Sc	4	Claro	0	9	8	8
9	Claro	0	Cu	1	Cu	2	Claro	0	Claro	0	9	8	9
10	Ac 1 Ci 4	5	Cu	6	Cb 4 Ac 1 Ci 1	6	Sc	7	Sc	5	9	8	8
11	Ci	1	Claro	0	Cu	5	Sc	1	Claro	0	9	8	8
12	Ci	3	Cu 1 Cs 6	7	Cu 2 As 6	8	As	8	As	8	9	8	8
13	St	8	Sc 6 Ci 2	8	Cu 6 Cs 2	8	Sc 4 Ci 2	6	Sc	2	5	7	8
14	Claro	0	Sc	6	Cu 6 Cs 2	8	Ci	1	Claro	0	6	7	8
15	Cu 2 Ci 3	5	Ci 1 Cu 2	3	Cu	1	Claro	0	Claro	0	6	8	9
16	Claro	0	Ci 3 Cu 3	6	Cu 1 Ci 5	6	Claro	0	Claro	0	9	9	8
17	Ci	5	Cs 4 Sc 4	8	As	8	Sc	8	Sc	8	8	8	8
18	Ns	8	Ns	8	Sc	7	Ns	8	Ns	8	7	8	7
19	As	8	Sc	6	Sc	6	Sc	2	Claro	0	5	8	9
20	St	8	Sc	7	Cu	7	Claro	0	Claro	0	7	7	9
21	Claro	0	Cu	5	Cu	4	Sc 2 Ci 2	4	Claro	0	8	8	8
22	Ci	2	Cu	3	Cu	4	Ci	5	Ci	7	8	8	8
23	Sc 3 Ac 1 Cs 4	8	Ci	5	Ci	5	Cb	3	Cb 4 Ci 1	5	8	8	8
24	Cu 2 Cc 3	5	Ns	8	Ns	8	Cc	4	Claro	0	8	7	9
25	Sc	5	Cu	4	Cu	3	Claro	0	Claro	0	8	9	8
26	As	8	Ac 1 Cc 5	6	Cb	7	Ac	2	Ac	4	7	8	9
27	As	8	St	8	Sc 5 As 3	8	Ac As	7	As	8	7	6	8
28	Claro	0	Cu	1	Sc	4	Claro	0	Claro	0	9	7	9
29	Ac	1	Cu	5	Cu	3	Sc	6	Sc	3	9	8	8
30	Ns	8	Cc 5 Sc 1	6	Cu Sc 4 Ci 2	6	Sc 1 Ci Cs 6	7	Cs	6	8	8	8
31	Cu 2 Ci 2	4	Cs 6 Cu 2	8	Ci	6	As Ac	8	As	8	6	9	8
Prom.		4		5		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	19.0	13.2	0.47	8	0	5	
	10	20.6	14.0	0.54	8	0	5	
1	12	33.0	18.0	1.22	6	3	5	
	14	34.5	20.0	1.18	5	2	5	
	15	25.5	17.6	0.64	4	3	5	
	9	19.5	11.1	0.68	8	0	0	N.
	10	16.5	16.5	1.63	4	5	5	
2	12	40.5	21.0	1.58	4	5	5	
	14	41.4	23.0	1.50	2	5	5	
	15	39.5	22.6	1.37	3	5	5	
	9	39.6	22.5	1.39	0	5	5	
	10	42.2	25.0	1.40	0	5	5	
3	12	45.0	28.0	1.38	0	5	5	
	14	45.0	29.0	1.30	0	5	5	
	15	44.0	28.5	1.26	0	5	5	
	9	39.2	23.0	1.32	3	5	3	Ne.
	10	41.5	24.0	1.42	1	5	3	Ne.
4	12	43.5	27.0	1.34	0	5	3	Ne.
	14	44.3	28.0	1.33	0	3	3	Ne.
	15	41.5	26.5	1.22	1	5	3	Ne.
	9				8	0	5	LL.
	10				8	0	5	LL.
5	12				8	0	3	LL.
	14				8	0	3	LL.
	15				8	0	3	LL.
	9	22.4	17.9	0.36	8	0	5	
	10	37.5	22.6	1.21	6	4	5	
6	12	43.2	25.7	1.42	8	5	5	
	14	42.5	26.0	1.34	2	5	5	
	15	41.2	25.2	1.30	3	5	5	
	9	40.4	23.0	1.41	1	5	5	
	10	43.0	24.9	1.47	4	5	5	
7	12	45.5	26.9	1.51	7	4	5	
	14	43.6	26.2	1.41	4	4	5	
	15	31.6	22.6	0.73	5	4	5	
	9	41.5	22.8	1.52	3	5	5	
	10	42.0	23.5	1.50	2	5	5	
8	12	43.7	25.0	1.52	3	5	5	
	14	42.6	22.2	1.66	4	4	4	
	15	43.5	25.5	1.46	4	4	4	
	9	41.0	23.1	1.46	0	5	5	
	10	43.0	25.0	1.46	0	5	5	
9	12	44.0	26.0	1.46	1	5	5	
	14	44.4	26.6	1.45	2	5	5	
	15	42.5	26.1	1.33	2	5	5	
	9	41.2	23.7	1.42	6	4	5	
	10	41.0	23.5	1.42	5	3	5	
10	12	42.5	26.0	1.34	6	3	5	
	14	33.8	23.0	0.88	6	3	5	
	15	25.8	20.1	0.46	7	0	5	
	9	37.6	17.2	1.66	1	5	5	
	10	39.4	19.5	1.62	0	5	5	
11	12	40.2	21.1	1.55	0	5	5	
	14	41.5	21.5	1.63	5	3	5	
	15	30.5	18.1	1.01	5	3	5	
	9	36.0	17.4	1.51	6	4	5	
	10	34.2	18.0	1.32	8	3	4	
12	12	30.0	17.5	1.02	7	4	4	Ne.
	14	24.5	17.5	0.57	8	2	4	Ne.
	15	25.3	16.4	0.72	8	1	4	Ne.
	9	22.5	13.8	0.71	8	0	3	Ne.
	10	37.5	19.0	1.50	8	4	3	Ne.
13	12	31.5	19.0	1.02	8	3	3	Ne.
	14	36.0	20.5	1.26	8	3	3	
	15	20.4	16.2	0.34	7	1	3	
	9	24.2	17.2	0.57	6	0	3	Ne.
	10	29.1	19.1	0.81	7	1	3	Ne.
14	12	42.7	24.0	1.52	6	3	3	Ne.
	14	35.2	21.5	1.11	8	3	3	Ne.
	15				7	2	3	Am.
	9	30.0	18.5	0.93	8	4	3	Ne.
	10	35.1	20.5	1.19	4	4	5	
15	12	41.5	23.1	1.50	3	5	5	
	14	40.0	22.4	1.43	1	5	5	
	15	38.5	21.5	1.38	1	5	5	
	9	38.4	20.1	1.49	1	5	5	
	10	38.0	20.6	1.41	5	4	5	
16	12	28.0	19.0	0.73	6	3	5	
	14	40.6	23.5	1.39	6	3	5	
	15	39.5	23.0	1.34	5	4	5	
	9	22.0	18.0	0.32	8	2	5	
	10	26.6	18.4	0.67	8	2	5	
17	12	42.3	24.0	1.49	8	4	5	
	14	29.0	20.5	0.69	8	2	5	
	15	26.8	19.7	0.58	8	2	5	
	9				8	0	4	LL.
	10				8	0	4	LL.
18	12				8	0	4	LL.
	14	26.0	20.0	0.49	7	3	5	
	15	26.3	20.3	0.49	7	3	5	
	9				9	0	5	Z.
	10				8	0	5	Am.
19	12	29.6	18.5	0.90	6	3	5	
	14	24.0	17.3	0.54	6	3	5	
	15	19.2	15.7	0.28	7	0	5	
	9	24.4	18.1	0.51	7	0	5	
	10	22.5	17.9	0.37	8	0	5	
20	12	32.5	22.0	0.85	7	3	5	
	14	39.5	29.2	0.84	7	5	5	
	15	27.2	20.7	0.53	7	3	5	
	9	42.1	24.5	1.43	6	3	5	
	10	45.5	26.0	1.58	7	3	5	
21	12	34.0	24.0	0.81	5	3	5	
	14	42.5	26.6	1.29	4	5	5	
	15	44.0	27.2	1.36	1	5	5	
	9	45.7	28.0	1.44	1	5	5	
	10	46.5	29.2	1.41	2	5	5	
22	12	47.5	31.0	1.34	3	5	5	
	14	45.8	30.4	1.25	4	3	5	
	15	48.5	31.4	1.39	3	5	5	
	9	38.6	27.0	0.94	8	2	5	
	10	34.7	25.8	0.72	8	2	5	
23	12	45.5	31.0	1.18	5	4	5	
	14	47.0	31.8	1.24	5	5	5	
	15	47.0	31.8	1.28	4	5	5	
	9	48.0	30.0	1.46	5	5	5	
	10	23.4	21.0	0.20	8	1	3	Ne.
24	12				8	0	3	LL.
	14				8	0	3	LL.
	15				8	0	3	Am.
	9	40.7	23.5	1.40	5	3	5	
	10	43.7	26.0	1.44	4	3	5	
25	12	46.5	28.9	1.43	4	3	5	
	14	45.5	29.2	1.33	3	5	5	
	15	44.6	28.6	1.30	2	5	5	
	9	45.0	26.5	1.50	3	5	5	
	10	46.0	28.0	1.46	2	5	5	
26	12	48.0	31.1	1.37	6	5	5	
	14				7	1	5	Am.
	15				7	1	5	Am.
	9	21.5	16.6	0.40	8	0	3	Ne.
	10	21.0	17.2	0.31	8	0	3	Ne.
27	12	21.7	18.2	0.28	8	0	3	Ne.
	14	25.2	19.2	0.49	8	0	4	
	15	24.0	19.4	0.37	8	0	3	Ne.
	9	39.4	21.6	1.45	0	5	5	
	10	39.7	22.6	1.39	2	4	5	
28	12	-	-	-	-	-	-	s/R.
	14	39.5	23.3	1.32	4	5	5	
	15	38.1	22.4	1.28	3	4	5	
	9	40.5	23.0	1.42	0	5	5	
	10	42.4	25.0	1.41	0	5	5	
29	12	35.5	24.3	0.91	5	3	5	
	14	36.0	24.6	0.93	3	3	5	
	15							
	9	23.2	18.0	0.42	8	2	5	
	10	30.6	21.0	0.78	8	2	5	
30	12	47.0	29.0	1.46	6	5	5	
	14	46.0	29.3	1.36	6	5	5	
	15	43.2	28.6	1.19	6	3	5	
	9	42.5	23.0	1.58	6	3	5	
	10	44.4	24.0	1.66	6	3	5	
31	12	40.3	23.7	1.35	8	3	5	
	14	-	-	-	-	-	-	s/R.
	15	30.2	21.1	0.74	7	2	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							0.3	0.7	0.8	0.9	1.0	0.9	1.0		5.6	12.4	45
2					0.4	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0		8.1	12.4	65
3		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.9	12.4	96
4		0.3	1.0		1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.6		10.8	12.5	86
5															0.0	12.5	00
6			0.4	0.3		0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.2	8.5	12.5	68
7	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.3	1.0	1.0		11.1	12.6	88
8				0.8	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.9	0.9	0.1	9.6	12.6	76
9	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	0.1	12.2	12.7	96
10		1.0	1.0	0.6	0.8	1.0	1.0	1.0	1.0	0.4					7.8	12.7	61
11	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	0.2	12.3	12.7	97
12		0.7	1.0	1.0	1.0	1.0	1.0	0.4	0.7						6.8	12.8	53
13					0.2	0.8	0.8	0.5	0.1	0.5	0.1	0.1	0.2		3.3	12.8	26
14		0.2	1.0	1.0	0.9	0.9	0.8	0.5	0.8	0.4	0.7	1.0	0.6		8.8	12.8	69
15		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	12.9	90
16	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	1.0		11.8	12.9	92
17			0.8	1.0		0.2	0.8	0.6							3.4	12.9	26
18												0.1	0.2		0.3	13.0	02
19							0.5	0.3	0.1		0.3	0.8	1.0	0.3	3.3	13.0	25
20					0.2	0.1	0.6	0.3	0.8	0.3	0.5	1.0	1.0	0.3	5.1	13.0	39
21		0.6	1.0	1.0	0.9	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.0	0.4	11.4	13.1	87
22	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4		11.5	13.1	88
23		1.0	0.4	0.8	0.2	0.4	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.4	10.1	13.1	77
24		0.7	0.2	0.9	0.7								0.5	0.5	3.5	13.2	26
25		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	12.5	13.2	95
26			0.2	0.1	0.9	1.0	1.0	1.0	0.5	0.1			0.1		4.9	13.2	37
27													0.3		0.3	13.3	02
28	0.1	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.6	0.9	0.9	1.0	1.0	0.3	11.4	13.3	86
29	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.3	12.5	13.3	94
30							0.5	1.0	1.0	0.9	1.0	1.0	1.0	0.5	6.9	13.4	52
31		0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0.6	0.2		9.6	13.4	72
Medias	0.0	0.5	0.6	0.6	0.6	0.7	0.8	0.7	0.7	0.6	0.6	0.7	0.7	0.1	7.9	12.9	62

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	16.2	16.8	16.4	16.0	16.4	16.2	14.4	14.2	14.8	15.0	14.8	15.0	17.8	17.5	17.4
2	13.4	17.2	16.6	14.0	16.0	16.0	13.2	13.4	14.3	14.2	14.0	14.3	17.4	17.2	17.2
3	14.2	18.6	18.0	14.3	17.0	17.2	13.2	13.6	14.8	14.0	13.8	14.6	17.2	17.2	17.2
4	16.2	20.0	18.8	15.8	18.1	18.0	14.5	15.0	15.7	14.8	15.0	15.5	17.6	17.6	17.6
5	17.7	17.2	17.4	15.1	16.6	16.8	15.4	15.0	15.0	15.6	15.4	15.4	18.0	18.0	18.0
6	16.6	19.2	18.0	16.3	18.1	17.7	14.6	14.8	15.7	15.0	15.0	15.6	17.9	17.9	17.9
7	15.0	18.8	17.8	15.2	17.8	16.6	14.4	14.8	14.4	15.0	15.0	15.0	18.2	18.0	18.2
8	16.2	19.6	18.0	16.0	18.3	17.8	14.6	15.0	15.8	15.2	15.0	15.8	18.2	18.1	18.0
9	15.4	19.4	18.4	15.5	18.2	17.9	14.4	15.0	15.9	15.4	15.2	13.8	18.4	18.3	18.3
10	15.8	19.2	18.0	15.9	18.0	17.6	14.6	15.0	15.6	15.4	15.2	15.6	18.4	18.4	18.4
11	14.6	17.6	16.0	15.0	17.0	16.2	14.6	14.8	15.0	15.6	15.2	15.4	18.5	18.4	18.2
12	13.0	16.2	15.4	13.7	15.6	15.4	13.7	13.8	14.2	14.9	14.6	14.6	18.2	15.9	17.8
13	14.0	16.4	15.8	14.2	15.7	15.6	13.0	14.4	14.0	14.0	14.0	14.4	17.4	17.5	17.4
14	14.4	17.4	16.0	14.2	16.2	15.8	13.2	13.4	14.4	14.0	13.8	14.4	17.5	17.4	17.4
15	13.0	17.8	15.7	13.4	16.5	15.8	12.8	13.2	14.4	13.8	13.6	13.7	17.4	17.2	17.2
16	13.6	18.0	16.4	14.0	16.6	16.1	13.0	13.4	14.5	13.8	13.6	14.4	17.4	17.2	17.3
17	15.0	17.4	16.8	14.8	16.3	16.2	13.8	14.0	14.2	14.3	14.3	14.5	17.5	17.5	17.5
18	16.3	16.8	17.0	15.8	16.0	16.4	14.2	14.2	14.4	14.6	14.6	14.4	17.6	17.6	17.6
19	16.6	18.0	16.4	15.9	16.4	16.4	14.1	14.4	14.4	14.8	14.7	14.7	17.6	17.6	17.6
20	15.4	17.6	17.4	15.2	16.5	17.0	14.0	14.0	14.8	14.6	14.2	14.8	17.6	17.4	17.6
21	15.2	20.0	18.7	15.1	18.2	18.1	14.0	14.4	14.8	14.4	14.4	15.4	17.7	17.6	17.6
22	16.6	21.8	20.5	16.0	19.5	19.6	15.0	15.9	17.0	15.4	15.7	15.2	18.2	18.3	18.4
23	18.6	22.4	21.2	18.0	20.4	20.4	16.6	20.1	17.8	16.6	16.6	17.3	19.0	19.1	19.0
24	19.0	19.6	18.6	18.6	19.0	18.3	17.1	17.0	16.6	17.3	17.7	17.0	19.7	19.6	19.6
25	17.2	21.6	20.4	16.5	19.6	19.6	14.8	16.4	17.4	16.6	16.4	17.0	19.5	19.4	19.4
26	18.7	23.0	21.2	18.2	21.1	20.5	16.7	17.3	18.2	17.0	17.0	16.6	19.7	19.6	19.6
27	19.1	19.2	19.2	18.6	18.8	18.8	17.2	17.1	17.2	17.6	17.4	17.4	20.2	20.2	20.1
28	17.0	20.2	18.7	17.0	19.0	18.4	16.0	16.4	16.8	16.4	16.4	16.8	19.8	19.8	19.7
29	16.6	20.4	19.4	16.5	18.8	18.7	15.8	16.0	16.8	16.8	16.0	16.8	19.8	17.6	17.6
30	17.8	20.6	20.0	17.4	19.4	19.5	16.2	16.6	17.4	16.8	16.6	17.2	19.6	19.8	19.7
31	17.6	20.4	19.5	17.3	19.1	18.9	16.3	16.7	17.2	17.0	16.9	17.2	20.0	20.0	20.0
Prom.	16.0	19.0	18.0	15.8	17.8	17.5	14.7	15.1	15.6	15.4	15.2	15.5	18.4	18.2	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					2	0.5	0.6	0.9	1.7							11587
2					2	0.2	0.7	1.4	2.2							11588
3					1	0.1	2.3	1.3	4.0							11587
4					0	0.4	0.8	0.8	3.3	R. 25	19.6	18.0	21.2			11584
5	27.3	27.7	26.7	26.5	0	1.7	0.1	0.1	0.5							11577
6					2	0.3	1.4	1.1	3.2							11576
7	0.0	2.3	1.5	1.8	1	0.7	1.3	1.3	3.0							11577
8					1	0.4	1.8	1.1	3.4							11578
9					1	0.5	1.2	1.0	2.4	R. 26	22.4	19.3	24.8			11576
10	0.0	0.5	0.0	0.0	0	0.2	1.1	0.6	2.2							11576
11					1	0.5	1.7	1.1	3.0							11574
12					0	0.2	1.0	0.8	2.4							11574
13	0.0	0.0	0.0	0.0	0	0.6	0.4	0.8	1.4							11573
14	3.3	3.9	3.0	2.8	0	0.2	0.8	0.8	1.8	S. 1	18.4	15.3	20.2			11575
15					1	0.2	0.6	2.0	3.2							11570
16					0	0.6	1.9	0.5	3.7							11568
17	2.9	3.0	2.5	2.5	0	1.3	1.6	0.8	3.5							11565
18	38.8	47.0	41.4	40.8	2	1.1	0.3	0.4	0.9							11564
19	0.0	0.0	0.0	0.0	2	0.2	0.4	0.4	1.0							11519
20	0.0	0.2	0.0	0.0	2	0.2	0.3	0.7	1.2	S. 2	20.6	16.7	22.9	21.2	19.6	11522
21					2	0.2	0.6	0.9	1.6							11522
22					1	0.1	1.8	0.6	3.7							11520
23					0	1.3	1.6	1.0	3.4							11517
24	16.5	17.0	16.7	15.8	0	0.8	0.5	0.6	1.1							11516
25					2	0.0	0.8	1.0	2.5	S. 3	21.3	17.7	21.6			11511
26	3.3	4.5	3.8	3.9	2	0.7	0.4	0.4	1.0							11407
27					2	0.2	0.3	0.4	1.1							11407
28					2	0.4	1.0	0.8	2.5							11410
29	0.8	1.0	0.7	0.7	1	0.7	1.5	1.4	3.2	S. 4	20.8	19.9	24.0			11408
30					1	0.3	0.9	2.1	3.4							11402
31	28.4	29.6	29.4	28.4	0	0.4	1.3	0.6	2.4							11402
Prom.	121.3	136.7	125.7	123.2	-	0.5	1.0	0.9	2.4	-	-	-	-	-	-	11916

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		
16.3	16.2	16.0	15.3	15.3	15.3	15.1	15.9	10.1	Cn. m. t. y n., r. n.
16.0	15.8	15.8	15.4	15.6	15.6	15.2	15.9	- 1.3	Cn. m., Ca. t. y n., Ne. m., r. n.
15.9	16.5	16.6	15.6	15.7	15.7	15.3	15.9	4.1	Ca. m. t. y n., r. m. y n.
16.2	16.4	16.3	15.6	15.7	15.7	15.3	15.9	8.1	Ca. m. t. y n., Ne. m. y t., r. n.
16.5	16.6	16.4	14.7	14.7	14.7	15.3	15.9	13.4	Cn. m. t. y n., Ru. LL. m. y t., R. n.
16.5	16.6	16.5	16.0	16.0	16.0	15.4	16.0	12.9	Cn. m., Ca. t. y n., r. n.
16.6	16.6	16.6	15.8	16.0	16.0	15.5	16.0	3.6	Cn. m., Ca. t. y n., r. m. y n.
16.6	16.6	16.5	16.0	16.1	16.1	15.5	16.0	7.4	Cn. m., Ca. t. y n., r. n.
16.7	16.8	16.8	16.2	16.2	16.2	15.5	16.0	4.7	Ca. m. t. y n., r. m. y n.
17.0	17.0	17.0	16.2	16.2	16.1	15.5	16.0	5.4	Cn. m. t. y n., r. m., CH. P. t.
16.9	16.9	16.8	16.1	16.2	16.2	15.5	15.9	- 0.4	Ca. m. y n., Cn. t., r. m. y t.
16.7	16.7	16.6	16.1	16.2	16.2	15.6	15.9	- 0.3	Ca. m., Cn. t. y n., r. m.
16.4	16.5	16.4	16.2	16.3	16.3	15.6	16.0	5.6	Cn. m. y t., Ca. n., Ne. m. y t., Z. m.
16.0	16.2	16.1	16.2	16.3	16.2	15.7	16.0	2.8	Ca. m. y n., Cn. t., Ne. m. y t., CH. t., r. n.
16.3	16.0	16.0	16.3	16.3	16.3	15.7	16.0	0.0	Cn. m., Ca. t. y n., Ne. m., r. n.
15.8	15.9	15.9	16.2	16.2	16.2	15.8	-	2.1	Cn. t., Ca. m. y n.
16.2	16.3	16.2	16.3	16.3	16.3	15.7	-	7.9	Cn. m. t. y n.
16.2	16.4	16.2	16.3	16.3	16.2	15.7	16.1	13.9	Cn. m. t. y n., LL. m. t. y n.
16.2	16.3	16.2	16.3	16.3	16.3	15.7	16.1	12.6	Cn. m. y t., Ca. n., Z. m., r. n.
16.3	16.2	16.2	16.3	16.3	16.3	16.0	16.1	6.2	Cn. m. y t., Ca. n., r. n.
16.5	16.2	16.2	16.2	16.2	16.2	16.0	16.1	6.2	Cn. m. y t., Ca. n., r. m. y n.
-	-	-	16.2	16.3	16.3	16.0	16.2	7.2	Ca. m. y t., Cn. n., r. m.
-	-	-	16.3	16.4	16.4	16.0	16.2	12.3	Cn. m. t. y n., R. n.
-	-	-	16.5	16.5	16.5	16.0	16.2	11.6	Cn. m. y t., Ca. n., r. m. y n., Ru. LL. t., R. n.
-	-	-	16.7	16.7	16.8	16.0	16.2	8.1	Cn. m., Ca. t. y n., r. m.
-	-	-	16.8	16.8	16.8	16.1	16.2	12.4	Cn. m. y t., Ca. n., Ru. LL. t., r. n.
-	-	-	17.0	17.2	17.2	16.0	16.3	13.1	Cn. m. t. y n., Ne. m. y t.
-	-	-	17.3	17.5	17.5	16.2	16.3	7.4	Ca. m. t. y n., r. m. y n.
-	-	-	17.5	17.5	17.5	16.2	16.3	6.8	Ca. m. y n., Cn. t., r. m.
-	-	-	17.5	17.5	17.5	16.3	16.3	11.4	Cn. m. t. y n., LL. m., Dl. Jl. n.
-	-	-	17.5	17.6	17.6	16.3	16.3	8.2	Cn. m. t. y n., Ne. m., Ru. LL. n.
-	-	-	16.3	16.3	16.3	15.7	16.1	7.2	

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	57.2	64.7	10	23,24	45.6	5	17-	14.9	20.9	8.8	24.7	3	15-16	4.0	2	6	8.6	12.5	68
2ª	62.7	69.6	12	9	53.9	19	16	12.8	17.4	7.7	20.2	20	16	0.3	12	5,6	6.7	12.9	52
3ª	59.1	65.8	28	7,8	51.2	31	24	17.2	23.2	11.1	26.8	23	14,15	7.8	25	5	8.6	13.2	65
MES	59.6	69.6	12	9	45.6	5	17	15.0	20.6	9.3	26.8	23	14,15	0.3	12	5,6	7.9	12.9	62

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	100	varios	41	7	10.1	15.4	5.8	SW NW	8 10	84	5	31	5	1-2	36	NE	5	0.36	30.5	27.7	5	10.0	5	8-9
2ª	81	100	varios	39	11	8.8	13.5	4.2	E	14	60	17	30	17	11-12	48	E	17	8.16 9.14	54.1	47.0	18	20.0	18	19-20
3ª	83	100	varios	49	29	11.8	19.0	7.6	E	6	60	24	20	29	9-10	33	W	30	6.31	52.1	29.6	31	8.0	31	22-23
MES	82	100	varios	41	7	10.3	19.0	4.2	E	11	84	5	31	5	1-2	48	E	17	8.16 9.14	136.7	47.0	18	20.0	18	19-20

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	-	-	2	-	-	-	-	1	1
2ª	6	-	3	-	-	-	-	2	2	-	1	-	-	-	-	-	-
3ª	6	-	1	2	-	-	-	4	-	-	1	-	-	-	-	1	4
MES	18	-	5	3	-	-	-	8	2	-	4	-	-	-	-	2	5

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	8	-	-	-	-	-	-	-	-	1	-	6	2	-	-	-
2ª	6	-	-	-	-	-	-	-	-	-	-	3	4	-	-	-
3ª	6	-	-	-	-	-	1	-	1	-	-	1	5	-	4	-
MES	20	-	-	-	-	-	1	-	1	1	-	10	11	-	4	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VII — NOVIEMBRE 1952 — Nº 11

RESUMEN MENSUAL

La zona frontal que se encuentra al principio del mes sobre el Río de la Plata y en la cual la presión atmosférica registra el valor mínimo mensual con 748.0 mmHg, se desplaza rápidamente hacia el N. Al mismo tiempo se observa una nubosidad elevada, siendo el 1º el día más nublado de todo el mes con sólo 0.2 horas de brillo solar. En la aeromasa fresca y seca, sube la presión en forma pronunciada y baja la temperatura y humedad absoluta. Este último elemento registra el 2 su mínima mensual con 4.6 mmHg, mientras la temperatura la alcanza con 2.3°C en la madrugada del 3; en este día se anota la máxima mensual de la presión con 767.4 mmHg. En los días posteriores reina tiempo bueno y frío. Un nuevo empuje de aire fresco pasa por el Observatorio en la noche del 7 al 8, el que ocasiona un descenso de temperatura que en la mitad de la década sube algo sobre su valor normal, provoca nubosidad elevada hasta el final de la década y se registran lluvias el día 10.

Advección de aire marítimo y el pasaje de varios frentes fríos mantiene el tiempo un poco inestable durante la segunda década del mes con temperaturas alrededor del valor normal y lluvias de poca intensidad. Los frentes más marcados atraviesan el Observatorio en los días 14 y 18 aunque sin alterar mayormente el carácter general del tiempo, con excepción de una nubosidad elevada en estos dos días.

Desde el primer día de la última década cambia el aspecto general del tiempo. Por advección de aire caliente y el tiempo bueno con la fuerte insolación de la época, sube la temperatura durante la primera parte de la década y a partir del día 24 el Observatorio se encuentra en un ambiente de origen tropical. La temperatura está unos cinco grados sobre su término medio, pasa los 30.0°C por primera vez el día 26 y alcanza el mismo día el valor máximo mensual con 32.5°C. También la humedad absoluta registra en estos días sus valores más altos, pasando los 20.0 mmHg; el máximo mensual se observa el 27, con 20.5 mmHg. En este día, un frente inestable ocasiona nubosidad elevada y ligeras lluvias. Termina este primer período de tiempo caluroso con el pasaje de un frente frío en la noche del 29 al 30. El mes finaliza con tiempo bueno y condiciones normales para esta época del año.

Equilibrándose las dos primeras décadas más frescas y secas, con la última calurosa y húmeda, los términos medios no acusan mayores desviaciones excepción hecha de la precipitación que apenas alcanza la tercera parte de su valor 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	-	-	-	-	14	62	97	193	179	110	90	117	104	48	14
2	55	76	90	76	69	83	90	97	104	104	104	110	104	97	90
3	- 7	28	14	7	21	48	207	272	213	138	110	117	90	90	76
4	124	124	138	138	124	138	166	97	83	69	76	69	55	62	55
5	41	55	69	104	124	145	124	97	90	104	124	117	97	83	76
6	76	62	83	83	104	90	124	138	213	207	104	62	55	62	83
7	90	83	83	104	90	90	138	110	97	97	117	104	76	76	90
8	21	21	7	7	28	41	28	7	7	- 7	21	41	76	83	69
9	-	7	- 7	- 7	7	7	41	14	48	131	104	117	83	69	62
10	-	-	-	-	-	-	83	124	69	48	62	48	41	- 7	- 21
11	138	152	159	145	145	166	117	159	166	117	110	97	90	90	83
12	-	-	-	-	-	90	138	131	131	145	131	172	179	200	159
13	124	62	83	104	69	69	124	124	69	69	55	69	41	28	34
14	55	69	76	55	69	83	172	110	28	-104	- 21	131	41	41	- 21
15	138	138	138	152	138	145	233	186	124	124	131	83	55	90	90
16	110	152	131	145	152	145	207	172	138	166	145	138	145	152	166
17	83	95	41	12	36	78	104	95	110	110	97	83	83	104	104
18	97	55	28	41	55	69	83	76	83	104	83	69	69	69	55
19	-133	101	14	- 13	- 53	- 53	- 5	10	50	24	5	31	87	95	74
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	124	179	193	166	172	193	186	138
22	124	152	41	- 21	- 14	69	83	83	90	83	76	69	90	76	83
23	48	- 7	- 21	- 14	- 14	14	55	55	69	90	69	69	76	76	41
24	14	7	- 7	- 7	7	7	7	34	41	55	69	55	55	41	62
25	41	55	83	28	41	83	104	97	110	83	97	110	104	104	83
26	76	- 76	- 62	34	34	124	104	90	76	69	55	55	62	48	21
27	55	21	- 55	- 69	- 90	- 83	83	97	104	104	110	145	∞	28	145
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	62	55	28	34	28	21	41	-310	-454
30	-	-	-	-	-	-	34	28	76	104	97	41	- 21	-	-
31															
Prom.	87.6	97.3	97.6	94.6	102.7	117.7	151.7	126.0	124.0	123.3	110.6	94.6	84.8	93.8	93.8

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	1.01	0.72	1.73	1.40	432	365	797	1.18	1.63	1.38
2	0.96	0.73	1.69	1.31	743	592	1335	1.25	0.90	0.86
3	0.65	0.45	1.10	1.44	400	234	634	1.71	1.13	1.35
4	0.94	0.71	1.65	1.32	554	399	953	1.39	1.21	1.24
5	0.97	0.69	1.66	1.40	577	374	951	1.54	0.98	1.29
6	0.87	0.80	1.67	1.09	557	394	951	1.41	1.09	1.42
7	0.92	0.88	1.80	1.04	546	387	933	1.41	1.18	1.59
8	0.98	0.85	1.83	1.15	660	550	1210	1.20	1.04	1.08
9	0.70	0.61	1.31	1.15	445	365	810	1.22	1.10	1.17
10	-	-	-	-	435	229	664	1.90	-	-
11	0.88	0.77	1.65	1.13	531	370	901	1.43	1.16	1.45
12	0.61	0.52	1.13	1.17	502	364	866	1.38	0.85	1.00
13	0.70	0.60	1.30	1.17	413	285	698	1.45	1.18	1.47
14	0.68	0.59	1.27	1.15	439	403	842	1.09	1.08	1.02
15	0.81	0.70	1.51	1.16	517	400	917	1.29	1.10	1.22
16	0.68	0.57	1.25	1.19	497	335	832	1.48	0.67	1.19
17	0.86	0.74	1.60	1.16	621	414	1035	1.50	0.97	1.25
18	1.03	0.92	1.95	1.12	694	591	1285	1.17	1.04	1.09
19	1.02	0.98	2.00	1.04	648	667	1315	0.97	1.10	1.01
20	0.83	0.73	1.56	1.14	477	481	958	0.99	1.22	1.06
21	0.69	0.60	1.29	1.15	452	380	832	1.19	1.07	1.10
22	0.97	0.89	1.86	1.09	669	699	1368	0.96	1.01	0.89
23	1.04	0.98	2.02	1.06	714	789	1503	0.90	1.02	0.87
24	1.09	1.06	2.15	1.03	707	533	1240	1.32	1.08	1.39
25	0.78	0.69	1.47	1.13	545	439	984	1.24	1.00	1.10
26	1.04	0.95	1.99	1.09	653	615	1268	1.06	1.12	1.08
27	0.89	1.11	2.00	0.80	564	1068	1632	0.53	1.10	0.73
28	0.88	0.82	1.70	1.07	500	486	986	1.03	1.23	1.18
29	0.96	0.91	1.87	1.05	470	689	1169	0.68	1.43	0.92
30	0.90	0.92	1.82	0.98	720	750	1470	0.96	0.87	0.86
31										
Prom.	0.87	0.77	1.64	1.13	562	493	1055	1.14	1.08	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
41	41	7	28	21	41	62	83	69		∞	-∞	-	3*
69	28	69	83	83	28	21	-	-		138	- 97	235	1*
90	138	145	131	131	138	110	110	131		350	- 14	364	2
55	55	55	48	41	41	48	62	55	82.4	207	00	207	0
69	55	55	55	90	138	207	117	104	97.5	310	28	282	0
69	76	97	104	76	69	69	69	69	93.5	297	- 28	325	1
83	55	69	76	-	-	-	-	-		166	- 34	200	1*
69	55	55	69	55	55	-	-	-		124	- 28	152	2*
62	14	-	-	-	76	- 14	28	-		152	- 69	221	2*
7	41	62	55	55	69	104	131	131		193	- 62	255	2*
83	83	104	83	97	104	-	-	-		200	55	145	0*
193	166	145	145	172	159	152	152	152		220	28	192	0*
45	34	41	41	62	76	62	55	55		179	- 14	193	2
-	-	-	-	-	-	-	-	-		420	-374	794	2
76	90	90	69	97	104	83	90	90	114.8	310	34	276	0
172	90	76	152	138	83	154	- 41	- 69	125.4	272	-326	598	1
90	110	97	117	138	152	145	104	110	95.8	172	- 26	198	1
55	83	83	69	- 30	- 66	- 46	-122	+∞		∞	-175	-	3*
74	81	66	62	62	74	58	39	14		202	- 79	281	2
-	-	-	-	-	-	-	-	-		-	-	-	-
152	138	152	138	131	152	110	138	145		345	90	255	0*
83	90	110	110	110	83	28	62	62		207	- 55	262	2
55	48	55	76	97	76	55	21	14		166	- 69	235	2
90	97	131	124	138	110	110	110	90		207	-152	359	2
90	83	83	124	104	76	69	69	83	83.5	207	- 14	221	1
41	28	41	62	76	83	- 28	- 14	7		207	-195	402	2
-∞	-∞	-∞	±∞	- 14	- 14	55	-159	- 83		∞	-∞	-	3*
-	-	-	-	-	-	-	-	-		-	-	-	-
-438	-246	-138	- 14	124	76	-	-	-		179	-824	1003	2*
- 21	21	34	41	21	14	41	90	186		220	-326	546	2*
88.7	79.8	79.0	95.6	97.7	94.7	109.4	67.1	63.1	99.0				

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^-		
-	-	-	-	-	-
-	-	-	-	-	15,000
-	-	-	-	-	28,500
-	-	-	-	4.52	15,250
-	-	-	-	5.40	22,750
-	-	-	-	5.20	23,750
-	-	-	-	-	27,750
-	-	-	-	-	25,000
-	-	-	-	-	42,000
-	-	-	-	-	9,750
-	-	-	-	-	-
-	-	-	-	-	42,500
-	-	-	-	-	43,750
-	-	-	-	-	25,000
-	-	-	-	5.78	6,750
-	-	-	-	5.23	84,000
-	-	-	-	5.11	85,000
-	-	-	-	-	40,000
-	-	-	-	-	37,500
-	-	-	-	-	53,750
-	-	-	-	-	34,500
-	-	-	-	-	20,250
-	-	-	-	-	46,750
-	-	-	-	-	40,500
-	-	-	-	4.09	35,000
-	-	-	-	-	31,250
-	-	-	-	-	19,500
-	-	-	-	-	41,250
-	-	-	-	-	22,500
-	-	-	-	-	-
-	-	-	-	5.05	34,055

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	0.93	0.62	0.48	0.67	0.85	0.90	0.71	0.85	0.83	0.59	0.82	1.00
2	-	-	-	-	-	-	-	-	1.15	1.00	0.95	0.98
3	0.67	0.69	0.71	0.72	0.77	0.56	0.54	0.88	0.70	0.72	0.67	0.59
4	0.76	0.64	0.62	0.65	0.64	0.72	0.83	0.80	0.99	1.00	1.22	1.18
5	1.01	0.97	1.18	0.91	0.77	0.64	0.85	1.09	1.16	1.06	1.00	1.02
6	0.74	0.89	0.89	0.79	0.75	0.59	0.86	0.91	0.80	-	-	-
7	-	-	-	-	-	-	-	0.98	1.10	0.93	0.93	0.96
8	1.30	1.28	-	-	-	-	-	1.02	0.97	0.95	1.02	0.92
9	0.62	0.72	0.63	0.65	0.68	0.75	0.87	0.90	0.94	0.60	0.54	0.55
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	0.99
12	0.46	0.34	0.62	-	-	-	-	0.89	0.38	0.26	0.29	0.54
13	0.46	0.61	0.63	0.50	0.28	0.45	0.63	0.84	1.02	0.97	0.78	0.76
14	0.77	0.80	0.74	0.97	0.90	0.85	0.66	0.70	0.72	0.59	0.52	0.45
15	0.32	0.30	0.35	0.38	0.42	0.42	0.50	0.78	0.92	1.07	0.88	1.06
16	1.10	0.82	0.71	0.66	0.67	0.58	0.57	0.53	0.82	0.78	0.79	0.74
17	0.70	0.87	1.30	1.16	0.87	1.10	0.90	1.06	1.08	0.97	0.90	0.90
18	0.74	0.92	1.21	1.08	1.26	1.25	1.08	1.10	0.97	0.94	1.03	1.12
19	0.50	1.17	1.31	1.24	1.22	1.02	1.00	1.04	1.04	1.09	1.10	1.10
20	0.91	1.10	1.03	1.06	0.74	0.86	0.96	0.95	0.99	1.02	0.93	0.90
21	0.60	0.46	0.50	0.46	0.64	0.65	0.70	0.99	0.65	0.87	0.90	0.67
22	0.40	0.46	0.86	1.48	1.36	1.40	1.28	1.25	1.08	1.04	1.19	1.35
23	0.69	1.16	1.24	1.27	1.46	1.20	1.21	1.37	1.29	1.19	1.18	1.38
24	1.14	1.58	1.52	1.40	1.28	1.14	1.12	1.20	1.20	1.04	0.92	1.25
25	-	-	-	-	-	-	0.90	0.87	1.30	0.89	0.72	0.86
26	0.70	0.74	0.87	1.07	1.16	-	-	1.02	1.02	1.26	1.17	1.28
27	1.19	0.74	0.66	0.62	0.40	0.77	-	1.06	1.04	0.99	1.17	1.10
28	-	-	-	-	-	-	-	-	-	-	-	1.16
29	-	-	-	-	-	-	-	0.40	0.40	0.50	1.02	1.12
30	0.78	1.21	1.04	1.47	1.03	0.74	0.87	1.20	1.09	1.00	0.90	1.12
31												
Promedio	0.76	0.83	0.87	0.91	0.86	0.83	0.85	0.95	0.95	0.90	0.90	0.97

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	0.82	0.57	0.38	0.79	0.79	0.60	0.40	0.33	0.40	0.36	0.64	0.76
2	-	-	-	-	-	-	-	-	0.93	0.73	0.89	0.80
3	0.36	0.44	0.44	0.53	0.42	0.34	0.42	0.40	0.58	0.60	0.56	0.45
4	0.45	0.45	0.40	0.38	0.43	0.41	0.58	0.61	0.84	0.85	0.97	0.92
5	0.92	0.69	0.57	0.46	0.48	0.46	0.90	0.83	0.88	0.87	0.80	0.89
6	0.54	1.55	1.50	0.48	0.42	0.42	0.58	0.69	0.56	-	-	-
7	-	-	-	-	-	-	-	0.73	0.79	0.73	0.69	1.05
8	1.12	1.10	-	-	-	-	-	1.02	0.58	0.94	0.97	0.90
9	0.47	0.56	0.53	0.47	0.47	0.61	0.65	0.80	0.89	0.48	0.48	0.51
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	0.67
12	0.40	0.40	0.52	-	-	-	-	0.86	0.26	0.22	0.31	0.55
13	0.37	0.48	0.42	0.42	0.57	0.42	0.49	0.64	0.82	0.80	0.74	0.76
14	0.74	0.69	0.69	0.76	0.82	0.66	0.48	0.64	0.68	0.76	0.46	0.44
15	0.29	0.33	0.34	0.30	0.37	0.37	0.37	0.72	0.86	0.78	0.69	0.98
16	0.88	0.55	0.51	0.48	0.48	0.42	0.44	0.56	0.76	0.78	0.62	0.64
17	0.51	0.90	1.08	1.31	0.86	0.74	0.80	0.91	0.87	0.87	0.84	0.80
18	0.48	0.76	1.08	1.10	1.10	0.85	0.80	0.98	0.94	0.94	1.07	1.02
19	1.20	0.98	1.28	1.30	1.18	1.04	0.96	0.96	1.01	1.04	1.04	0.94
20	1.02	1.22	1.14	0.88	0.73	0.68	0.70	0.80	0.83	0.80	0.80	0.77
21	0.53	0.39	0.46	0.42	0.49	0.49	0.58	0.76	0.62	0.69	0.69	0.67
22	0.36	0.40	0.96	1.41	1.46	1.05	1.18	1.12	1.05	1.15	1.28	1.33
23	0.68	1.14	1.36	1.33	1.38	1.20	0.96	1.31	1.10	1.15	1.17	1.32
24	1.41	1.46	1.51	1.64	1.40	1.04	1.08	1.09	1.10	0.91	1.00	1.15
25	-	-	-	-	-	-	0.76	0.79	1.02	0.76	0.71	0.84
26	0.66	0.68	0.77	0.91	0.74	-	-	0.98	1.20	1.15	1.12	1.15
27	1.16	0.82	0.89	1.02	1.04	0.87	-	0.97	0.95	0.94	1.05	1.14
28	-	-	-	-	-	-	-	-	-	-	-	0.96
29	-	-	-	-	-	-	-	0.37	0.37	0.59	0.90	0.88
30	1.30	1.14	2.02	1.41	1.30	0.82	1.18	0.91	0.92	0.87	0.93	1.00
31												
Promedio	0.72	0.77	0.86	0.85	0.81	0.67	0.72	0.80	0.81	0.80	0.82	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
1.31	1.46	1.36	1.40	1.25	-	1.12	1.12	1.18	1.08	1.65	-	1.01
0.89	0.87	0.92	0.95	1.06	0.97	0.85	-	-	-	1.02	0.87	0.96
0.56	0.61	0.56	0.61	0.58	0.64	0.68	0.58	0.61	0.58	0.61	0.73	0.65
1.10	1.24	1.19	1.09	1.24	0.79	1.15	0.83	0.89	1.04	0.85	1.01	0.94
1.06	1.00	1.13	1.13	1.25	1.43	0.96	0.85	0.68	0.59	0.68	0.77	0.97
0.89	0.88	0.98	1.01	1.13	1.13	0.64	-	-	-	-	-	0.87
1.00	0.96	0.55	0.63	0.81	0.80	0.66	0.80	1.08	1.08	1.12	1.24	0.92
0.92	0.93	1.00	0.98	1.08	1.16	1.11	0.96	0.94	0.88	0.73	0.38	0.98
0.58	0.64	0.72	0.82	1.02	0.95	0.72	0.57	0.55	0.52	0.50	0.90	0.70
-	-	-	-	-	-	-	-	-	-	-	-	-
0.95	1.09	1.10	1.13	1.14	0.96	1.23	0.64	0.58	0.52	0.67	0.50	0.88
1.00	0.90	0.80	0.92	0.86	0.90	0.85	0.52	0.37	0.44	0.43	0.44	0.61
0.78	0.74	0.80	0.68	0.77	1.00	0.87	0.59	0.56	0.53	0.64	0.79	0.70
0.53	0.43	0.46	0.86	0.77	0.83	0.61	0.86	0.75	0.61	0.45	0.40	0.68
1.07	0.96	0.97	1.02	0.87	0.88	1.07	0.86	0.89	1.12	1.16	1.15	0.81
0.72	0.75	0.63	0.53	0.50	0.62	0.76	0.76	0.68	0.57	0.52	0.44	0.68
0.86	0.72	0.66	0.59	0.79	0.76	1.07	0.76	0.59	0.65	0.64	0.74	0.86
1.05	0.94	0.98	1.14	0.94	0.98	0.98	0.82	0.85	1.12	1.28	1.02	1.03
1.00	0.95	0.90	1.10	1.07	1.04	0.91	0.76	0.82	0.95	1.12	0.94	1.02
0.84	0.86	0.84	0.92	0.61	0.74	0.87	0.62	0.55	0.56	0.56	0.46	0.83
0.97	0.84	0.86	0.97	0.92	0.80	0.69	0.55	0.50	0.44	0.45	0.48	0.69
1.13	0.94	0.87	1.00	0.92	1.05	0.86	0.69	0.68	0.76	0.66	0.68	0.97
1.28	1.06	0.82	0.88	0.79	0.87	0.96	0.69	0.63	0.78	0.79	0.86	1.04
1.00	0.93	0.96	0.92	0.88	0.82	0.68	0.90	-	-	-	-	1.09
0.86	0.99	1.04	0.98	1.05	0.66	0.47	0.47	0.50	0.47	0.52	0.54	0.78
1.10	1.10	1.12	1.09	1.13	1.08	0.74	0.68	0.82	1.16	1.27	1.25	1.04
1.12	1.20	1.49	0.64	0.38	1.20	0.31	0.77	0.74	0.86	0.85	1.11	0.89
0.92	0.88	0.76	0.77	0.74	0.43	1.10	0.86	1.15	-	-	-	0.88
1.07	0.86	1.17	0.62	0.96	1.18	1.04	0.95	1.09	1.29	1.26	1.36	0.96
0.92	0.82	0.88	0.84	0.82	0.97	0.72	0.80	0.78	0.57	0.55	0.53	0.90
0.95	0.92	0.91	0.90	0.91	0.92	0.85	0.75	0.75	0.77	0.81	0.78	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
1.11	1.22	1.19	1.10	0.92	-	-	0.78	0.82	0.70	0.56	-	0.72
0.66	0.69	0.74	0.74	1.12	0.71	0.62	0.57	-	-	0.55	0.52	0.73
0.40	0.45	0.44	0.43	0.45	0.51	0.48	0.42	0.40	0.40	0.47	0.49	0.45
0.88	1.01	1.00	0.88	0.98	0.87	0.94	0.45	0.65	0.63	0.65	0.82	0.71
0.84	0.77	0.81	0.86	0.86	0.83	0.72	0.57	0.47	0.34	0.38	0.45	0.69
0.95	0.82	0.88	0.92	1.02	1.01	0.49	-	-	-	-	-	0.80
0.98	0.71	0.55	0.85	0.77	0.89	0.55	0.85	1.13	1.21	1.33	1.22	0.88
0.82	0.92	0.94	0.91	0.95	1.02	0.82	0.78	0.75	0.67	0.68	0.22	0.85
0.57	0.57	0.64	0.78	0.94	0.89	0.64	0.53	0.46	0.46	0.70	-	0.61
-	-	-	-	-	-	-	-	-	-	-	-	-
0.96	1.00	1.02	0.97	0.99	0.97	0.99	0.55	0.47	0.47	0.53	0.42	0.77
0.76	0.76	0.71	0.74	0.77	0.70	0.64	0.46	0.32	0.37	0.37	0.35	0.52
0.74	0.67	0.70	0.69	0.62	0.92	0.62	0.50	0.44	0.42	0.60	0.69	0.60
0.58	0.40	0.38	0.59	0.66	0.64	0.59	0.66	0.58	0.48	0.42	0.36	0.59
0.98	0.83	0.78	0.81	0.73	0.90	0.93	0.69	0.72	0.98	1.02	0.90	0.70
0.62	0.66	0.56	0.42	0.46	0.62	0.66	0.80	0.48	0.40	0.48	0.51	0.57
0.72	0.60	0.53	0.53	0.76	0.70	0.94	0.62	0.53	0.53	0.46	0.48	0.74
0.88	0.86	0.88	0.92	0.70	0.82	0.80	0.98	0.84	1.20	1.35	0.86	0.92
0.91	0.84	0.89	0.98	0.98	0.91	0.89	0.60	0.66	0.82	1.00	1.02	0.98
0.72	0.84	0.74	0.72	0.62	0.66	0.62	0.50	0.44	0.46	0.40	0.38	0.73
0.88	0.74	0.94	0.85	0.83	0.64	0.55	0.51	0.46	0.40	0.37	0.37	0.60
0.92	0.77	0.78	0.87	0.83	0.94	0.62	0.58	0.60	0.64	0.55	0.62	0.89
1.15	0.80	0.74	0.84	0.77	0.95	0.82	0.60	0.58	0.74	0.78	0.78	0.98
0.88	0.87	0.92	0.73	0.76	0.71	0.62	0.92	-	-	-	-	1.06
0.76	0.90	0.94	1.00	0.87	0.50	0.40	0.44	0.42	0.44	0.46	0.46	0.69
1.08	1.05	0.93	1.00	0.95	0.82	0.60	0.60	0.88	1.21	1.12	1.36	0.95
0.69	1.37	1.46	1.31	1.41	1.46	1.48	1.04	1.06	1.20	0.86	1.36	1.11
0.90	0.80	0.74	0.78	0.71	0.48	1.04	0.72	1.04	-	-	-	0.82
0.76	0.90	1.14	1.03	1.20	0.86	1.03	0.94	1.08	1.22	1.36	0.78	0.91
0.80	0.76	0.80	0.77	0.72	0.80	0.65	0.74	0.71	0.46	0.48	0.48	0.92
0.82	0.81	0.82	0.83	0.84	0.81	0.74	0.66	0.65	0.67	0.69	0.66	0.77

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	521	782	521	521	521	521	521	521	347	521	707
2	608	608	608	608	608	521	782	970	1194	1115	1115	955
3	347	347	347	347	347	347	347	434	782	825	707	521
4	347	260	260	260	260	347	477	868	868	868	868	782
5	521	434	521	434	347	347	521	707	782	868	868	782
6	347	434	434	347	347	347	570	782	868	-	-	-
7	434	434	434	347	347	347	521	782	955	782	707	782
8	608	707	608	608	608	521	608	521	521	521	608	868
9	260	260	260	260	260	434	434	707	707	434	434	260
10	-	-	-	-	-	-	-	-	-	-	-	-
11	260	260	260	260	260	347	434	347	521	782	955	868
12	260	260	347	260	434	434	347	955	-	-	-	-
13	260	347	347	347	347	260	521	707	782	782	521	347
14	434	434	434	434	521	434	434	478	434	434	521	347
15	260	174	174	260	260	260	347	871	868	1115	744	707
16	521	434	347	347	347	347	347	691	868	707	782	707
17	347	608	707	707	608	608	782	955	868	782	782	707
18	434	521	707	608	707	707	782	1035	1115	955	1035	868
19	230	608	608	608	521	434	564	434	707	608	782	1115
20	347	434	434	434	174	434	347	434	434	608	707	868
21	260	217	217	174	347	347	521	868	707	707	608	521
22	260	260	478	608	707	782	955	1115	1194	1115	1035	1035
23	344	831	608	707	745	782	1035	1194	1115	1194	1115	1115
24	782	955	782	868	745	608	782	955	1194	955	868	868
25	347	434	434	651	782	521	782	868	782	868	608	521
26	260	260	347	434	434	347	347	695	995	1075	1115	1035
27	745	614	217	86	-	-	565	788	868	912	707	738
28	521	434	608	521	521	521	782	782	614	521	521	608
29	130	-	-	86	130	260	260	347	347	390	608	707
30	811	707	1354	745	217	434	390	871	1155	1150	738	1075
31												
Promedio	389	438	461	426	426	431	538	748	813	793	762	756

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	1194	1673	-	828	526	376	150	-	-	-	376	451
2	451	312	312	376	451	376	1008	1250	1250	1120	976	828
3	150	75	75	75	150	150	150	226	707	752	602	376
4	75	75	75	75	75	75	335	826	905	828	828	752
5	312	226	150	150	150	150	312	451	676	828	752	676
6	150	226	150	150	150	226	376	789	905	-	-	-
7	226	226	226	226	150	150	376	540	752	602	376	454
8	526	602	602	564	451	382	489	526	451	526	718	905
9	150	150	150	150	150	150	226	526	752	451	226	150
10	-	-	-	-	-	-	-	-	-	-	-	-
11	150	150	150	150	150	150	226	150	226	526	752	752
12	150	226	312	312	312	312	226	905	150	150	150	263
13	226	226	150	150	150	226	226	526	752	676	376	226
14	312	312	451	312	451	312	269	376	526	782	451	226
15	376	312	226	226	226	150	150	451	676	905	326	602
16	226	150	150	150	150	150	150	489	905	602	602	602
17	150	376	312	451	312	226	531	676	752	602	602	526
18	226	226	526	526	526	451	677	1120	1188	905	976	752
19	828	457	676	752	676	602	526	526	602	602	828	1188
20	868	1120	976	676	602	376	150	226	312	451	526	752
21	226	226	376	226	150	226	226	752	676	602	526	526
22	301	150	682	1320	1250	752	1120	1320	1460	1250	1188	976
23	312	828	1188	1250	1250	976	1188	1460	1390	1320	1320	1052
24	-	-	-	-	-	-	-	-	-	1052	976	868
25	376	231	226	602	419	312	652	905	676	828	451	414
26	150	376	376	312	376	226	226	640	976	1120	1120	976
27	905	867	940	1527	-	-	677	790	879	828	639	602
28	828	828	864	1012	376	676	526	451	376	312	312	451
29	751	1795	1390	828	676	451	376	376	150	231	451	451
30	676	-	1320	1052	1250	1052	976	382	902	1154	715	1082
31												
Promedio	360	384	483	486	408	344	442	654	740	741	655	638

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	608	707	707	608	608	608	608	658	707	608	608	432
868	707	707	707	707	707	868	782	521	434	608	521	743
434	347	347	260	347	347	347	260	260	260	347	347	400
707	707	707	707	608	608	521	434	434	521	434	434	554
782	782	707	707	608	608	521	521	347	347	434	347	577
782	782	782	782	782	707	434	434	434	434	347	521	557
707	434	347	434	608	565	390	390	521	608	608	608	546
905	905	868	868	955	955	652	608	521	521	434	347	660
260	347	434	707	905	782	608	434	260	347	434	-	445
-	-	-	608	707	521	347	347	347	347	347	347	435
868	1035	955	868	782	782	434	347	347	260	260	260	531
707	868	868	707	707	707	608	347	347	347	260	260	502
347	260	260	347	434	521	434	347	347	260	347	434	413
347	521	390	782	608	478	347	521	347	347	260	260	439
707	707	521	521	434	521	347	434	434	521	608	608	517
707	707	782	434	434	434	347	347	347	347	347	260	497
434	521	707	608	782	707	608	521	347	347	434	434	621
955	782	782	707	521	434	434	440	434	608	521	576	694
1115	782	707	868	955	782	608	434	434	608	608	434	648
782	707	608	608	390	707	608	347	260	260	260	260	477
608	608	608	707	608	434	347	347	347	217	260	260	452
868	521	608	608	608	608	521	434	434	434	434	434	669
782	608	347	608	521	521	521	434	434	521	521	521	714
782	782	955	782	608	434	521	347	347	347	347	347	707
608	608	707	608	707	521	347	260	260	260	260	347	545
1035	1035	745	608	707	707	657	478	434	390	745	782	653
695	1035	1035	86	521	651	397	174	608	521	174	260	564
608	608	478	434	527	434	434	434	434	303	174	174	500
434	707	652	391	707	608	608	478	608	707	608	565	470
1075	868	868	782	707	608	564	521	564	347	390	347	720
711	686	662	618	637	600	500	427	414	416	414	410	562

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
602	602	752	676	526	526	526	526	526	376	376	451	365
752	602	602	602	676	676	601	312	312	150	150	75	592
312	312	226	150	150	150	150	150	75	150	150	150	234
602	602	676	526	526	376	194	150	150	226	312	312	399
676	602	526	451	376	312	226	150	226	226	150	226	374
905	828	752	752	676	339	150	150	150	150	150	150	394
451	312	226	376	451	312	150	376	526	526	676	602	387
905	905	828	752	752	828	338	312	226	226	226	150	550
269	312	457	868	976	676	376	376	312	226	312	-	365
-	-	-	-	-	312	312	226	150	226	226	150	229
752	828	752	676	602	526	226	226	226	226	150	150	370
602	676	752	602	676	602	451	226	226	150	150	150	364
226	150	150	269	376	312	226	226	150	150	312	376	285
382	263	451	526	376	376	419	451	300	376	451	526	403
526	526	376	312	150	312	231	226	312	451	451	312	400
602	602	602	312	312	226	150	150	150	150	226	226	335
376	526	602	526	526	451	312	263	226	150	226	226	414
752	526	526	451	226	226	226	451	451	676	828	752	591
1188	752	526	864	905	752	451	312	312	376	526	790	667
676	526	451	602	376	602	382	226	150	150	150	226	481
602	526	602	602	526	312	226	226	150	226	226	150	380
752	376	451	451	526	526	312	312	312	312	370	312	699
602	451	312	451	376	226	451	269	226	451	-	-	789
602	790	828	639	467	301	312	226	150	226	188	376	533
451	526	526	526	602	451	226	226	226	226	226	226	439
940	828	752	602	676	564	451	269	312	752	867	867	615
676	1086	905	1052	1355	1458	1458	1797	1425	1149	1492	996	1068
451	451	376	376	494	344	312	312	312	312	376	526	486
526	828	976	752	905	526	676	451	564	752	1052	609	689
1052	752	752	752	602	526	301	312	376	312	381	564	750
628	588	576	569	557	471	361	330	307	335	392	380	493

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												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15					APARATOS en REPARACIONES							
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Promedio												

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												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15					APARATOS en REPARACIONES							
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Promedio												

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
					APARATOS en REPARACIONES							

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
					APARATOS en REPARACIONES							

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	12.1	13.6	13.6	16.6	15.1	3.0	- 6.4	- 6.4	- 3.2	4.5	- 3.2	1.5	1.5
2	- 6.4	1.5	- 3.2	- 3.2	3.0	- 6.4	-11.1	-11.1	- 4.8	1.5	- 8.0	- 3.2	- 4.8
3	- 9.5	- 1.6	1.5	1.5	- 1.6	- 9.5	-14.3	- 6.4	- 1.6	4.5	- 3.2	1.5	- 1.6
4	1.5	- 1.6	1.5	3.0	3.0	- 6.4	- 6.4	- 4.8	1.5	3.0	3.0	7.6	1.5
5	- 1.6	3.0	1.5	6.0	7.6	- 4.8	- 6.4	- 8.0	3.0	3.0	4.5	7.6	6.0
6	- 6.4	3.0	3.0	- 3.2	3.0	- 6.4	- 8.0	- 6.4	- 4.8	-	-	-	- 3.2
7	3.0	4.5	3.0	4.5	4.5	- 3.2	- 3.2	- 1.6	3.0	9.1	6.0	3.0	- 1.6
8	9.1	9.1	3.0	-	-	-	-	- 3.2	3.0	9.1	6.0	3.0	3.0
9	4.5	7.6	9.1	7.6	6.0	6.0	6.0	3.0	3.0	4.5	6.0	3.0	1.6
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	9.1	9.1	9.1	9.1	12.1	12.1
12	6.0	9.1	9.1	9.1	12.1	4.5	- 1.6	1.5	4.5	12.1	10.6	13.6	10.6
13	10.6	9.1	6.0	7.6	9.1	1.5	3.0	3.0	4.5	10.6	9.1	10.6	6.0
14	4.5	4.5	3.0	4.5	7.6	3.0	3.0	- 1.6	6.0	12.1	12.1	6.0	3.1
15	4.5	3.0	1.5	1.5	7.6	1.5	- 3.2	1.5	7.6	9.1	7.6	10.6	6.0
16	7.6	7.6	6.0	4.5	7.6	4.5	6.0	7.6	4.5	-	-	-	-
17	-	-	-	-	-	-	-	4.5	1.5	6.0	3.0	3.0	- 1.5
18	7.6	12.1	9.1	10.6	4.5	3.0	1.5	- 4.8	- 1.6	3.0	1.5	6.0	6.0
19	7.6	10.6	12.1	15.1	13.6	6.0	- 3.2	- 1.6	1.5	6.0	7.6	7.6	7.6
20	9.1	9.1	9.1	9.1	9.1	1.5	- 6.4	- 1.6	7.6	12.1	9.1	7.6	3.0
21	3.0	3.0	1.5	1.5	1.5	- 3.2	- 6.4	- 3.2	1.5	4.5	1.5	1.5	1.5
22	4.5	3.0	3.0	3.0	1.5	- 4.8	- 6.4	- 3.2	1.6	6.0	3.0	1.5	1.5
23	4.5	- 1.6	1.5	1.5	1.5	- 3.2	- 4.8	- 3.2	1.5	1.5	1.5	- 1.6	- 1.6
24	-	-	-	-	-	-	-	1.5	4.5	7.6	6.0	4.5	6.0
25	3.0	3.0	3.0	3.0	3.0	- 1.6	- 1.6	1.5	3.0	6.0	4.5	3.0	3.0
26	7.6	6.0	3.0	4.5	1.5	- 4.8	1.5	- 1.6	- 1.6	6.0	6.0	6.0	4.5
27	4.5	3.0	3.0	6.0	6.0	1.5	1.5	3.0	7.6	6.0	12.1	6.0	4.5
28	3.0	3.0	1.5	3.0	- 1.6	- 6.4	- 4.8	1.5	4.5	4.5	3.0	9.1	4.5
29	7.6	6.0	6.0	9.1	10.6	6.0	6.0	7.6	6.0	7.6	7.6	6.0	6.0
30	15.1	22.7	25.7	22.7	15.1	12.1	7.6	6.0	7.6	10.6	12.1	15.1	18.1
31													
Prom	4.5	5.9	5.3	6.0	6.0	- 0.2	- 2.3	- 0.6	2.8	6.6	5.1	5.6	3.6
Var.	1.7	3.1	2.5	3.2	3.2	- 3.0	- 5.1	- 3.4	0.0	3.8	2.3	2.8	0.8

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	-55.4	-42.6	-44.0	-54.0	-68.2	-61.1	-73.8	-45.4	-49.7	-48.3	-48.3	-48.3	-48.3
2	-45.4	-44.0	-42.6	-39.8	-34.1	-42.6	-42.6	-42.6	-44.0	-41.2	-48.3	-38.3	-41.2
3	-51.1	-44.0	-38.3	-38.3	-46.9	-49.7	-52.5	-41.2	-42.6	-44.0	-44.0	-41.2	-39.8
4	-35.5	-34.1	-41.2	-38.3	-44.0	-46.9	-46.9	-39.8	-35.5	-38.3	-38.3	-39.8	-39.8
5	-38.3	-39.8	-39.8	-38.3	-42.6	-45.4	-45.4	-44.0	-38.3	-36.9	-41.2	-38.3	-39.8
6	-42.6	-42.6	-42.6	-42.6	-45.4	-52.5	-45.4	-39.8	-38.3	-	-	-	-36.9
7	-36.9	-34.1	-39.8	-38.3	-46.9	-46.9	-42.6	-38.3	-41.2	-36.9	-38.3	-38.3	-34.1
8	-39.8	-46.9	-44.0	-	-	-	-	-45.4	-45.4	-38.3	-39.8	-39.8	-36.9
9	-44.0	-44.0	-48.3	-42.6	-45.4	-46.9	-46.9	-45.4	-46.9	-46.9	-46.9	-45.4	-45.4
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-46.9	-46.9	-48.3	-42.6	-38.3	-38.3
12	-44.0	-44.0	-42.6	-42.6	-45.4	-51.1	-51.1	-42.6	-48.3	-36.9	-44.0	-44.0	-45.4
13	-41.2	-41.2	-39.8	-42.6	-45.4	-51.1	-45.4	-42.6	-38.3	-41.2	-42.6	-42.6	-44.0
14	-39.8	-41.2	-41.2	-42.6	-45.4	-45.4	-44.0	-42.6	-39.8	-41.2	-42.6	-44.0	-44.0
15	-34.1	-39.8	-38.3	-36.9	-41.2	-38.3	-42.6	-41.2	-38.3	-42.6	-45.4	-41.2	-41.2
16	-38.3	-42.6	-42.6	-36.9	-39.8	-44.0	-41.2	-44.0	-39.8	-	-	-	-
17	-	-	-	-	-	-	-	-36.9	-44.0	-39.8	-38.3	-38.3	-36.9
18	-42.6	-36.9	-39.8	-36.9	-41.2	-44.0	-39.8	-35.5	-35.5	-31.2	-36.9	-34.1	-36.9
19	-32.7	-32.7	-35.5	-39.8	-44.0	-45.4	-48.3	-48.3	-48.3	-44.0	-45.4	-45.4	-46.9
20	-44.0	-44.0	-41.2	-44.0	-48.3	-48.3	-48.3	-41.2	-42.6	-41.2	-42.6	-42.6	-39.8
21	-38.3	-38.3	-39.8	-39.8	-45.4	-48.3	-45.4	-42.6	-42.6	-35.5	-39.8	-41.2	-39.8
22	-35.5	-35.5	-36.9	-36.9	-39.8	-42.8	-44.0	-41.2	-36.9	-36.9	-38.3	-36.9	-35.5
23	-32.7	-39.8	-35.5	-35.5	-35.5	-38.3	-39.8	-38.3	-34.1	-34.1	-36.9	-36.9	-35.5
24	-	-	-	-	-	-	-	-36.9	-34.1	-34.1	-35.5	-34.1	-35.5
25	-38.3	-34.1	-35.5	-36.9	-35.5	-42.6	-38.3	-34.1	-35.5	-31.2	-34.1	-36.9	-38.3
26	-31.2	-34.1	-35.5	-35.5	-39.8	-44.0	-36.9	-35.5	-35.5	-31.2	-34.1	-34.1	-35.5
27	-31.2	-36.9	-35.5	-35.5	-34.1	-41.2	-38.3	-34.1	-31.2	-32.7	-31.2	-34.1	-32.7
28	-34.1	-36.9	-38.3	-36.9	-42.6	-48.3	-42.6	-38.3	-34.1	-34.1	-34.1	-31.2	-34.1
29	-31.2	-34.1	-34.1	-34.1	-32.7	-36.9	-36.9	-34.1	-34.1	-32.7	-31.2	-32.7	-36.9
30	-28.4	-22.7	-21.3	-22.7	-25.6	-31.2	-34.1	-35.5	-35.5	-34.1	-29.8	-29.8	-28.4
31													
Prom	-38.7	-38.7	-39.0	-38.7	-42.2	-45.3	-44.5	-40.5	-39.9	-38.3	-39.6	-38.8	-38.9
Var.	0.6	0.6	0.3	0.6	- 2.9	- 6.0	- 5.2	- 1.2	- 0.6	1.0	- 0.3	0.5	0.4

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
- 3.2	-13.6	-16.6	-10.6	-13.6	-13.6	- 9.5	- 4.8	- 6.4	- 6.4	- 6.4	- 1.8	1
-11.1	- 9.5	- 9.5	- 8.0	- 4.8	- 8.0	- 6.4	- 3.2	- 4.8	- 8.0	- 9.5	- 5.8	1
- 3.2	- 6.4	- 8.0	- 9.5	- 6.4	- 6.4	- 6.4	- 4.8	3.0	- 3.2	- 3.2	- 3.9	2
1.5	- 6.4	- 3.2	- 6.4	- 8.0	- 3.2	- 1.6	4.5	3.0	3.0	1.5	- 0.4	1
4.5	- 6.4	- 6.4	- 6.4	- 1.6	- 1.6	3.0	3.0	3.0	1.5	- 4.8	0.4	2
- 4.8	- 3.2	- 1.6	1.5	- 1.6	1.5	1.5	1.5	1.5	4.5	4.5	- 1.1	1
- 1.6	- 3.2	- 4.8	- 4.8	- 8.0	3.0	4.5	3.0	9.1	7.6	7.6	1.8	1
3.0	- 4.8	- 3.2	- 6.4	- 4.8	1.5	1.5	3.0	3.0	10.6	4.5	2.5	2
- 3.2	- 4.8	- 6.4	- 6.4	8.0	- 3.2	1.5	1.5	4.5	4.5	-	2.8	1
-	10.6	10.6	7.6	9.1	-	-	-	-	-	-	9.5	-
9.1	- 3.2	3.0	1.5	1.5	- 1.6	1.5	4.5	7.6	10.6	9.1	6.1	1
7.6	4.5	1.5	- 1.6	1.5	4.5	3.0	6.0	7.6	10.6	9.1	6.5	1
6.0	4.5	3.0	1.5	3.0	1.5	3.0	1.5	6.0	3.0	3.0	5.3	0
6.0	3.0	- 1.6	- 1.6	3.0	3.0	6.0	6.0	10.6	7.6	7.6	4.9	1
7.6	1.5	- 1.6	- 3.2	3.0	1.5	3.0	7.6	7.6	9.1	7.6	4.3	1
-	-	-	-	-	-	-	-	-	-	-	6.2	1
3.0	3.0	- 1.6	- 8.0	1.5	- 3.2	3.0	9.1	9.1	10.6	6.0	2.8	2
3.0	3.0	1.5	1.5	3.0	4.5	3.0	3.0	4.5	4.5	6.0	4.0	1
7.6	6.0	3.0	3.0	- 1.6	- 1.6	3.0	4.5	6.0	7.6	9.1	5.7	0
4.5	3.0	- 1.6	- 1.6	- 1.6	1.5	3.0	- 3.2	1.5	4.5	1.5	3.7	2
- 1.6	1.5	1.5	1.5	1.5	- 1.6	- 3.2	- 1.6	3.0	3.0	1.5	0.6	1
1.5	3.0	1.5	- 1.6	- 1.6	1.5	3.0	1.5	6.0	3.0	- 1.6	1.3	1
1.5	1.5	4.5	3.0	3.0	- 3.2	-	-	-	-	-	4.1	1
1.5	1.5	1.5	3.0	4.5	6.0	4.5	3.0	6.0	4.5	- 1.6	3.8	1
3.0	1.5	- 1.6	- 1.6	1.5	1.5	3.0	4.5	4.5	6.0	3.0	2.4	1
1.5	4.5	3.0	- 3.2	1.5	- 1.6	- 1.6	9.1	6.0	9.1	3.0	2.9	1
6.0	4.5	3.0	3.0	1.5	3.0	- 3.2	3.0	- 1.6	6.0	13.6	4.3	0
6.0	6.0	4.5	3.0	3.0	6.0	6.0	6.0	6.0	9.1	6.0	3.6	1
3.0	- 4.8	- 1.6	- 1.6	1.5	1.5	1.5	3.0	3.0	7.6	4.5	4.6	1
9.1	7.6	9.1	7.6	10.6	12.1	15.1	15.1	19.7	24.2	18.0	14.1	1
2.4	0.2	- 0.6	- 1.5	0.3	0.2	1.5	3.2	4.8	5.7	3.8	2.8	
- 0.4	- 2.6	- 3.4	- 4.3	- 2.5	- 2.6	- 1.3	0.4	2.0	2.9	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
-46.9	-42.6	-44.0	-44.0	-46.9	-42.6	-46.9	-39.8	-35.5	-36.9	-42.6	-48.2	2
-39.8	-45.4	-39.8	-36.9	-42.6	-44.0	-39.8	-36.9	-38.3	-34.1	-38.3	-40.9	1
-44.0	-39.8	-41.2	-42.6	-41.2	-42.6	-42.6	-35.5	-34.1	-39.8	-48.3	-42.7	1
-41.2	-39.8	-39.8	-44.0	-46.9	-41.2	-44.0	-36.9	-38.3	-34.1	-38.3	-40.1	1
-42.6	-44.0	-39.8	-42.6	-41.2	-39.8	-41.2	-38.3	-42.6	-36.9	-45.4	-40.9	1
-44.0	-39.8	-34.1	-35.5	-39.8	-36.9	-41.2	-35.5	-36.9	-38.3	-42.6	-40.6	1
-38.3	-38.3	-39.8	-39.8	-38.3	-39.8	-44.0	-35.5	-38.3	-39.8	-44.0	-39.5	1
-39.8	-35.5	-36.9	-42.6	-42.6	-44.0	-42.6	-44.0	-42.6	-39.8	-42.6	-41.4	1
-45.4	-45.4	-45.4	-46.9	-46.9	-48.4	-45.4	-44.0	-45.4	-44.0	-	-45.7	0
-	-42.6	-41.2	-45.4	-45.4	-	-	-	-	-	-	-43.7	-
-39.8	-44.0	-41.2	-46.9	-44.0	-42.6	-46.9	-42.6	-44.0	-38.3	-42.6	-43.2	0
-45.4	-42.6	-41.2	-48.3	-44.0	-42.6	-45.4	-41.2	-39.8	-35.5	-39.8	-43.6	1
-45.4	-42.6	-41.2	-44.0	-42.6	-44.0	-45.4	-44.0	-41.2	-42.6	-44.0	-43.1	1
-46.9	-45.4	-42.6	-44.0	-48.3	-44.0	-46.9	-38.3	-36.9	-35.5	-38.3	-42.5	0
-44.0	-39.8	-35.5	-42.6	-45.4	-45.4	-46.9	-42.6	-39.8	-35.5	-39.8	-40.8	1
-	-	-	-	-	-	-	-	-	-	-	-41.0	1
-38.3	-35.5	-34.1	-39.8	-38.3	-38.3	-39.8	-35.5	-35.5	-32.7	-38.3	-37.7	1
-36.9	-36.9	-36.9	-35.5	-35.5	-35.6	-36.9	-39.8	-38.3	-36.9	-38.3	-37.4	2
-44.0	-42.6	-38.3	-42.6	-42.6	-45.4	-46.9	-44.0	-42.6	-42.6	-45.4	-43.1	1
-39.8	-38.3	-41.2	-41.2	-41.2	-39.8	-38.5	-41.2	-35.5	-36.9	-41.2	-41.8	2
-41.2	-38.3	-39.8	-38.3	-38.3	-41.2	-39.8	-39.8	-34.1	-36.9	-39.8	-40.2	1
-38.3	-32.7	-34.1	-36.9	-36.9	-36.9	-38.3	-34.1	-34.1	-34.1	-36.9	-37.1	0
-35.5	-36.9	-34.1	-34.1	-34.1	-36.9	-	-	-	-	-	-36.0	1
-36.9	-35.5	-35.5	-35.5	-34.1	-34.1	-34.1	-31.2	-32.7	-39.8	-44.0	-35.5	0
-34.1	-35.5	-38.3	-35.5	-36.9	-36.9	-35.5	-29.8	-31.2	-29.8	-34.1	-35.4	1
-35.5	-34.1	-31.2	-36.9	-34.1	-35.5	-36.9	-31.2	-34.1	-31.2	-36.9	-35.0	0
-31.2	-34.1	-34.1	-36.9	-36.9	-36.9	-39.8	-35.5	-39.8	-35.5	-39.8	-35.4	1
-32.7	-31.2	-32.7	-34.1	-34.1	-31.2	-34.1	-32.7	-35.5	-31.2	-34.1	-35.4	0
-42.6	-45.4	-38.3	-38.3	-38.3	-38.3	-38.3	-36.9	-36.9	-32.7	-35.5	-36.0	0
-32.7	-31.2	-32.7	-34.1	-32.7	-32.7	-29.8	-31.2	-28.4	-24.1	-24.1	-29.7	1
-40.1	-39.2	-38.1	-40.2	-40.3	-39.9	-41.0	-37.7	-37.5	-36.1	-39.8	-39.3	
- 0.8	0.1	1.2	- 0.9	- 1.0	- 0.6	- 1.7	1.6	1.8	3.2	- 0.5		

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	50.4	50.3	50.3	48.3	48.9	50.1	50.2	51.0	51.4	51.4	51.6	52.5	53.1	53.6	54.4
2	61.0	61.7	62.2	62.4	63.0	63.2	63.8	64.7	66.1	65.4	65.3	65.1	65.0	64.7	64.4
3	67.0	66.9	66.5	66.3	66.4	66.7	66.8	67.4	67.2	67.4	67.3	66.6	66.1	65.7	65.2
4	65.2	65.0	65.0	65.1	65.2	65.5	65.5	65.3	65.2	64.6	64.2	63.6	62.7	62.0	61.2
5	61.4	60.9	60.7	60.6	61.0	61.4	61.4	61.6	61.6	61.6	61.4	60.8	60.4	59.8	59.3
6	59.0	58.9	58.7	58.6	58.8	59.0	59.4	58.9	58.6	58.3	57.7	57.1	56.6	56.0	55.5
7	56.0	56.0	56.1	56.3	56.5	56.8	57.3	57.4	57.3	57.4	57.4	57.2	56.8	56.4	56.4
8	61.0	60.7	60.5	60.6	60.9	61.2	61.2	61.6	61.5	61.6	61.3	61.1	61.0	60.6	60.1
9	60.4	60.1	59.8	59.6	59.7	59.7	59.9	59.9	59.4	59.1	58.6	58.5	58.2	57.9	57.2
10	57.2	57.6	57.4	57.4	57.9	58.3	58.9	59.2	59.4	59.4	59.2	59.1	59.2	59.0	58.8
11	58.2	57.8	57.7	57.9	58.6	58.9	59.0	59.0	59.0	59.0	58.8	58.5	58.3	58.0	57.6
12	58.2	58.2	58.2	58.1	58.5	58.8	58.2	59.6	59.8	59.1	58.8	58.4	58.0	57.3	56.6
13	56.4	56.3	56.6	56.6	56.6	56.8	57.0	57.2	56.9	56.7	56.6	56.2	55.9	55.4	54.9
14	54.7	54.4	56.7	54.0	55.7	56.1	55.8	56.2	56.4	56.2	55.5	56.7	56.6	55.2	54.4
15	53.2	53.5	53.8	53.9	53.0	54.6	54.9	55.6	55.1	55.1	55.3	55.4	54.6	55.2	54.9
16	57.3	57.0	57.1	57.2	57.9	58.2	58.7	59.2	59.3	59.1	59.0	58.9	58.3	58.2	57.3
17	57.6	56.6	58.2	58.7	59.0	59.2	59.2	59.2	59.0	58.6	58.1	57.4	57.2	56.6	56.0
18	55.1	55.0	54.9	55.0	55.2	55.4	55.5	55.6	55.4	55.7	56.0	55.8	55.3	55.0	55.0
19	58.0	57.9	57.7	57.9	58.0	58.4	58.9	59.3	59.5	59.9	60.0	59.8	59.5	59.5	59.5
20	61.5	61.4	61.4	61.6	62.0	62.5	62.9	63.5	63.5	63.6	63.4	63.3	62.8	62.4	62.1
21	62.0	61.7	61.6	61.7	62.1	62.6	63.0	63.2	63.2	63.1	62.9	62.6	62.2	61.7	61.3
22	60.7	60.6	60.8	60.9	61.2	61.4	61.3	61.4	61.3	61.1	60.9	60.4	59.8	59.4	59.0
23	58.3	58.2	58.3	58.6	58.8	59.0	59.1	59.3	58.9	58.7	58.5	57.8	57.4	57.1	56.7
24	57.3	57.4	57.2	57.5	58.0	58.5	58.9	59.2	58.9	58.8	57.3	57.5	57.9	57.6	57.0
25	56.2	56.1	56.1	56.2	57.5	56.9	57.3	57.4	57.5	57.1	56.9	56.3	56.3	55.4	54.8
26	54.0	53.7	53.6	53.4	53.6	53.8	53.8	53.8	53.8	54.0	54.3	53.6	53.0	52.7	52.5
27	52.0	52.0	52.1	52.1	52.5	52.8	53.0	52.9	53.2	53.3	53.5	53.4	53.9	53.8	55.4
28	55.9	55.9	55.9	56.1	56.2	56.4	56.6	57.0	57.1	57.4	57.3	57.1	57.0	56.8	56.3
29	56.8	56.5	56.5	56.6	57.0	57.4	57.6	57.6	57.1	56.7	56.1	55.3	55.2	54.6	54.4
30	55.7	52.3	53.2	54.4	54.5	54.5	54.8	55.3	55.6	55.7	55.7	55.8	55.9	56.2	55.8
31															
Prom	57.9	57.7	57.8	57.8	57.1	57.5	57.7	59.0	58.9	58.8	58.6	58.4	58.1	57.8	57.5

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	14.2	14.4	14.6	15.0	15.2	15.5	15.8	16.6	16.5	15.6	15.4	16.0	16.0	15.2	14.0
2	6.3	5.4	5.1	4.3	4.0	4.6	7.1	8.6	10.0	8.3	11.9	12.8	13.3	13.2	14.1
3	3.3	3.1	2.9	2.8	2.3	4.1	8.4	11.0	12.7	14.3	15.4	15.7	16.4	17.0	16.0
4	6.0	5.5	4.5	3.6	3.2	5.3	10.6	13.4	15.3	16.7	17.6	18.5	19.2	19.5	20.2
5	11.1	10.8	9.9	9.4	9.5	13.0	15.1	16.0	18.9	20.9	22.2	23.0	23.9	24.2	24.1
6	12.3	11.5	11.5	11.5	10.6	12.8	16.4	18.8	20.9	21.9	22.6	23.6	23.7	24.4	24.5
7	13.3	13.1	12.5	12.0	12.4	14.6	19.1	21.6	23.1	23.8	24.9	26.3	26.5	27.6	27.6
8	13.0	12.5	12.0	11.8	11.8	11.8	11.8	12.0	12.1	12.1	14.2	15.2	16.6	17.6	17.7
9	7.9	7.0	7.2	7.0	6.4	8.7	12.7	14.4	15.7	16.6	17.8	19.2	19.9	18.0	18.2
10	13.1	12.7	12.4	12.5	13.0	14.9	16.3	16.4	16.4	16.6	16.7	16.1	15.4	15.2	15.1
11	9.5	9.9	9.1	9.1	8.7	9.7	13.5	15.4	17.8	19.6	20.9	21.6	22.6	23.2	23.7
12	11.4	10.4	9.9	9.4	9.0	11.4	16.4	19.4	21.5	22.4	23.1	23.5	23.6	24.0	23.5
13	15.8	15.5	13.7	12.5	11.3	15.8	19.8	21.6	22.9	24.6	22.6	26.7	26.7	28.2	26.7
14	18.7	18.2	18.1	18.3	18.1	18.4	20.0	19.6	19.7	19.3	20.6	20.1	19.3	18.6	19.1
15	15.3	15.1	14.5	14.8	16.1	19.1	21.1	20.6	21.6	23.7	25.0	24.7	23.6	24.2	24.6
16	13.8	13.0	12.7	12.6	12.2	15.4	19.3	19.6	19.9	21.4	22.3	23.1	23.5	23.2	23.2
17	16.9	17.6	16.2	15.4	15.1	15.5	19.1	19.4	20.5	22.2	22.9	24.0	24.7	24.5	24.5
18	12.1	12.9	13.5	13.5	13.5	15.2	17.8	20.0	21.2	22.5	23.0	24.3	25.2	25.2	25.4
19	12.0	11.9	11.9	12.1	12.2	12.2	12.3	12.4	12.5	12.5	13.4	14.8	17.0	17.0	17.1
20	11.7	11.3	11.1	10.8	11.0	11.3	11.8	13.8	15.5	16.9	18.2	19.2	21.0	21.8	22.4
21	11.3	12.5	10.6	10.7	11.4	14.5	17.2	19.0	20.3	21.5	22.2	22.7	23.8	24.4	24.3
22	14.1	15.1	14.3	13.7	14.5	17.0	19.3	20.2	21.9	23.4	25.2	25.2	26.0	26.6	26.6
23	16.9	16.3	15.3	14.5	14.1	15.3	18.0	20.7	17.7	24.3	25.5	26.8	27.6	27.2	27.5
24	18.5	18.0	17.3	17.2	17.2	17.8	18.5	20.0	23.4	25.7	27.5	28.1	27.7	27.0	27.0
25	18.4	16.5	16.5	16.3	17.5	19.3	22.2	23.6	25.4	26.5	27.8	29.1	29.6	29.6	29.7
26	20.5	20.0	19.6	19.1	19.7	20.4	23.7	24.7	26.8	28.1	29.3	30.7	32.5	32.0	30.3
27	20.6	19.8	19.3	18.7	20.6	22.7	25.1	26.4	28.6	29.8	30.8	30.8	28.2	28.6	21.3
28	18.5	18.3	17.1	16.7	17.5	18.4	20.4	21.5	22.7	24.1	26.5	28.2	29.4	30.9	31.2
29	19.6	19.3	18.4	18.3	18.3	18.8	20.8	24.3	27.6	29.0	30.3	31.5	27.0	26.3	25.0
30	16.7	16.2	16.0	16.0	16.0	16.9	19.2	20.9	22.7	24.5	25.0	25.4	26.0	25.7	25.4
31															
Prom	13.8	13.5	12.9	12.6	12.7	14.3	17.0	18.4	19.7	21.0	22.0	22.9	23.0	23.3	23.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
55.2	56.8	57.9	59.3	60.2	60.3	60.3	60.5	60.4	60.5	23	48.0	4-5	12.5	754.1 mm.	1005.4 mb.
64.4	64.9	65.0	65.3	65.8	66.3	66.6	66.9	67.2	67.2	24	60.4	0	6.8	64.7	1019.4
64.9	64.7	65.1	65.3	65.3	65.6	65.7	65.8	65.6	67.4	10	59.7	16-17	7.7	66.1	1021.4
61.0	60.8	61.1	61.3	61.6	61.8	61.6	61.5	61.7	65.6	0	60.8	17	4.8	63.2	1017.6
59.2	59.0	59.0	59.3	59.4	59.6	59.4	59.4	59.3	61.7	0	59.0	17-18	2.7	60.3	1013.7
55.1	55.0	55.2	55.5	55.6	55.9	56.0	56.3	56.3	59.3	0	55.0	17	4.3	57.2	1009.6
56.7	56.8	57.4	57.9	59.2	59.9	60.2	60.9	60.8	61.1	23-24	56.0	1,2	5.1	57.5	1010.0
60.0	60.0	60.2	60.3	60.4	60.5	60.6	60.7	60.8	61.6	10	59.9	17-18	1.7	60.8	1014.4
57.5	57.5	57.8	58.0	58.4	58.8	58.4	58.6	57.9	60.8	0	57.2	15	3.6	58.8	1011.7
58.5	58.1	57.9	57.2	58.4	58.8	58.8	58.9	58.8	59.4	9,10	57.0	22-23	2.4	58.5	1011.3
57.5	57.4	57.5	57.5	58.0	58.2	58.6	58.6	58.5	59.2	6-7	57.4	17	1.8	58.2	1010.9
56.2	56.0	55.8	55.7	55.8	56.3	56.5	56.9	56.7	59.8	9	55.7	19	4.1	57.6	1010.1
54.7	54.7	54.8	54.9	55.1	55.1	55.0	55.0	54.9	57.2	8	54.7	16,17	2.5	55.8	1007.7
53.6	53.1	52.8	52.6	53.4	54.2	54.3	54.3	53.6	56.7	9-10	53.5	3-4	3.2	54.8	1006.4
54.9	55.0	55.5	56.1	56.8	56.8	57.6	57.6	57.4	57.7	22-23	53.2	1	4.5	55.2	1006.9
56.6	56.9	57.7	57.7	58.2	58.9	58.9	58.8	58.3	59.3	9	56.4	16-17	2.9	58.1	1010.8
55.4	55.3	55.4	55.5	55.8	56.0	55.9	55.6	55.3	59.3	8-9	55.3	17,24	4.0	57.1	1009.4
54.9	54.9	55.6	56.2	57.7	57.9	58.3	58.3	58.2	58.5	23-24	54.9	16,17	3.6	55.9	1007.8
59.6	59.8	59.9	60.3	60.9	61.1	61.4	61.5	61.6	61.6	24	57.7	3	3.9	59.6	1012.8
61.9	61.9	62.2	62.2	62.4	62.7	62.6	62.5	62.4	63.6	10	61.4	2,3	2.2	62.4	1016.5
61.0	60.7	60.9	61.0	61.3	61.3	61.2	61.0	60.8	63.2	8,9	60.7	17	2.5	61.8	1015.7
58.5	58.5	58.9	58.9	59.2	59.4	59.2	59.0	58.6	61.4	6,8	58.5	16,17	2.9	60.0	1013.3
56.4	56.4	56.5	56.5	56.6	57.2	57.4	57.2	57.3	59.3	8	56.4	16,17	2.9	57.8	1010.4
57.0	56.9	56.3	56.4	56.4	56.9	56.9	56.7	56.4	59.2	8	56.3	18	2.9	57.4	1009.8
54.2	53.9	54.1	54.7	54.7	55.0	54.6	54.5	54.2	57.6	6-7	53.9	17	3.7	55.7	1007.6
52.1	51.9	51.9	52.0	52.3	52.6	52.6	52.5	52.3	54.2	0	51.9	17,18	2.3	53.1	1004.1
54.4	54.6	55.3	53.5	54.1	54.4	55.1	56.5	56.3	56.5	23	52.0	1,2	4.5	53.8	1005.0
55.9	55.8	55.9	56.4	56.8	57.2	57.4	57.3	57.0	57.4	22	55.8	17	1.6	56.6	1008.8
53.7	53.3	53.4	53.3	53.1	54.2	53.9	53.9	55.2	57.6	7,8	53.0	20-21	4.6	55.4	1007.2
55.5	55.3	55.6	56.1	56.4	57.0	57.2	57.0	56.7	57.2	22	51.9	2-3	5.3	55.5	1007.3
57.2	57.2	57.4	57.6	58.0	58.3	58.4	58.5	58.4	60.0		56.1		3.9	58.1	1010.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
12.9	11.3	10.5	10.3	10.0	9.0	9.1	7.2	7.0	16.6	8	13.9	0-1	2.7	13.2
14.1	11.9	11.1	9.3	7.8	6.4	5.1	4.2	3.8	14.4	14-15	3.8	24	10.6	8.4
16.6	14.9	12.5	10.8	9.0	7.7	6.9	6.4	6.4	17.0	14	2.3	5	14.7	9.8
20.0	18.3	17.7	15.7	14.6	13.4	12.9	12.7	12.8	20.2	15	3.2	5	17.0	12.9
24.1	23.8	20.5	17.4	15.4	14.3	13.2	13.4	13.1	24.2	14	9.4	4	14.8	17.0
24.3	23.5	22.2	19.4	17.8	16.8	15.9	14.3	13.8	24.5	15	10.6	5	13.9	18.1
25.3	24.4	22.6	20.5	19.6	18.4	16.0	14.6	13.7	27.6	14,15	12.0	4	15.6	19.7
17.7	16.3	15.4	13.6	12.6	12.1	13.2	10.2	9.1	18.0	15-16	9.1	24	8.9	13.4
17.7	17.0	16.5	16.1	15.4	15.5	15.4	14.6	13.5	19.9	13	6.4	5	13.5	14.1
15.2	15.3	15.4	14.7	13.2	11.3	10.5	9.6	9.6	17.0	10-11	9.4	23-24	7.6	14.0
23.9	23.2	20.8	18.3	16.8	16.1	15.0	13.2	13.0	24.1	15-16	8.4	5-6	15.7	16.4
23.0	22.2	20.6	18.8	18.0	17.9	17.3	16.7	16.7	24.0	14	9.0	5	15.0	17.9
25.8	24.7	22.9	21.5	20.6	19.2	18.7	18.9	18.5	28.2	14	11.1	4-5	17.1	20.6
19.5	19.5	18.9	18.4	18.0	17.1	16.6	16.2	16.0	20.6	11	16.0	24	4.6	18.6
23.8	23.4	23.2	22.2	20.4	20.1	18.1	17.0	14.9	25.0	11	14.5	3	10.5	20.3
21.8	19.6	19.0	18.7	16.8	16.9	16.8	16.8	16.9	23.6	12-13	12.2	5	11.4	18.3
24.1	23.6	22.1	19.1	18.3	18.1	17.0	14.7	13.0	24.7	13	13.0	24	11.7	19.5
25.9	24.1	22.4	20.5	18.0	15.4	14.2	13.0	12.2	25.9	16	12.0	1-2	13.9	18.8
17.0	16.8	16.3	14.8	13.7	13.1	12.4	12.1	12.1	17.2	16-17	11.9	2,3	5.3	13.7
20.8	20.6	19.5	17.4	16.6	16.0	15.2	14.2	13.0	22.6	15-16	10.8	4	11.8	15.9
24.1	22.9	21.3	19.2	18.6	18.6	18.1	17.4	16.1	24.4	14	10.6	3	13.8	18.4
21.2	24.9	23.0	20.9	19.9	19.8	19.5	19.4	18.6	26.6	14,15	13.7	4	12.9	20.4
26.7	25.1	23.8	21.9	20.6	20.3	20.1	19.9	19.4	28.0	13-14	14.1	5	13.9	21.1
26.8	25.6	23.1	22.1	21.5	20.7	20.0	19.8	19.3	28.1	12	17.2	4,5	10.9	22.1
27.5	25.4	23.6	23.4	22.6	22.2	22.1	21.7	21.2	29.7	15	16.3	4	13.4	23.2
30.6	28.5	26.4	24.4	24.2	23.9	23.3	22.4	20.9	32.5	13	19.1	4	13.4	25.1
20.1	20.0	19.3	19.8	21.4	20.5	20.3	19.4	18.8	30.8	11,12	18.7	4	12.1	22.9
30.3	29.2	26.7	24.7	23.7	22.9	22.3	20.9	21.1	31.2	15	16.7	4	14.5	23.5
26.5	25.6	24.2	22.8	21.6	20.0	19.3	19.1	19.1	31.5	12	18.3	4,5	13.2	23.0
25.5	25.3	23.4	20.5	17.9	16.6	16.6	16.8	16.8	26.0	13	16.0	3,4,5	10.0	20.5
22.4	21.6	20.2	18.5	17.5	16.8	16.0	15.2	14.7	24.1		12.0		12.1	18.0

HUMEDAD RELATIVA en %

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

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	11.5	11.5	12.0	12.0	12.5	12.5	13.0	12.8	13.0	12.5	12.5	11.5	11.0	10.7	9.5
2	6.6	6.4	6.4	6.0	5.8	5.4	5.4	5.7	5.2	4.6	4.8	5.8	5.4	5.8	5.6
3	5.6	5.4	5.4	5.4	5.2	5.8	5.0	6.0	5.1	5.8	5.6	5.6	5.8	6.2	6.4
4	5.4	5.8	5.8	5.6	5.6	5.0	6.4	7.6	6.8	7.4	7.8	8.0	8.0	9.0	9.0
5	9.5	9.0	8.5	8.5	8.5	10.5	11.5	11.5	11.5	10.5	10.5	10.0	10.5	9.4	8.5
6	9.0	9.0	9.5	9.5	8.5	10.0	12.0	11.5	11.5	10.0	11.5	11.0	10.0	10.8	10.5
7	11.0	10.5	10.5	10.0	10.0	12.0	11.5	12.5	12.0	12.5	12.0	12.0	12.0	11.4	11.5
8	10.0	10.0	9.5	10.0	10.0	10.0	10.0	10.5	10.0	9.5	10.5	9.0	9.5	9.7	9.0
9	7.6	7.2	7.2	7.2	7.0	8.0	9.0	9.8	9.5	9.5	9.0	10.0	10.5	10.3	10.5
10	9.5	10.5	10.5	10.5	10.5	11.5	12.5	12.1	12.0	10.5	12.0	12.5	12.5	12.9	12.5
11	8.5	8.5	8.0	8.0	8.0	8.5	11.0	12.1	11.5	12.0	11.5	12.0	10.5	11.5	11.5
12	9.5	9.0	8.5	8.5	8.0	9.5	12.0	12.7	12.5	12.5	12.0	11.0	10.0	10.4	10.0
13	12.0	12.5	11.0	10.5	9.5	12.0	14.0	14.8	14.0	14.0	11.5	15.0	15.0	15.8	13.5
14	14.0	12.5	12.5	13.5	14.0	13.0	14.0	13.7	14.5	16.0	17.5	15.0	16.0	16.0	16.0
15	12.5	12.5	12.0	12.0	13.0	16.0	17.0	15.4	14.5	14.5	14.5	15.5	15.5	16.2	16.5
16	11.0	10.5	10.5	10.5	10.0	9.5	12.0	12.2	10.0	8.0	7.6	7.8	9.0	8.8	7.8
17	10.0	9.0	9.5	11.0	12.5	12.5	11.0	10.8	11.0	11.5	10.5	10.5	8.5	8.8	8.5
18	10.0	9.5	10.0	10.0	10.5	10.0	10.0	12.3	10.0	9.5	10.5	11.0	10.5	11.3	10.0
19	10.0	10.0	10.0	10.0	9.5	10.0	9.5	10.0	9.0	9.0	10.0	9.5	10.5	10.4	9.5
20	10.0	9.5	9.5	9.0	9.5	9.5	10.0	10.9	10.0	10.0	11.0	11.0	10.5	11.5	11.5
21	9.5	10.5	9.0	9.0	9.5	12.0	13.5	12.9	12.0	11.5	12.5	12.5	14.5	13.5	11.5
22	11.5	12.0	10.5	10.5	12.0	13.0	13.5	13.1	13.0	13.0	13.5	12.5	11.5	11.7	9.5
23	11.5	11.0	10.0	10.5	10.5	10.5	11.5	12.6	9.0	13.0	14.0	12.5	13.0	12.6	11.5
24	13.0	13.0	12.0	11.0	12.5	13.0	13.5	13.8	14.5	15.0	15,5	14.5	13.0	11.8	12.5
25	15.0	13.5	13.5	13.0	14.5	16.0	17.0	16.5	17.5	17.0	18.5	18.5	17.5	17.9	17.5
26	15.5	16.0	15.5	15.0	15.5	15.5	16.5	16.8	17.5	16.0	16.0	17.0	13.5	13.0	18.5
27	16.5	16.5	16.0	15.5	17.5	20.0	20.5	19.2	19.5	18.0	19.0	17.0	16.0	15.3	12.5
28	15.5	15.0	14.0	13.5	14.5	14.5	15.5	16.3	16.5	17.0	17.0	15.0	16.0	15.3	16.0
29	16.5	16.0	15.0	15.0	15.0	15.5	17.5	20.3	19.5	20.0	18.5	18.0	15.0	15.4	17.0
30	13.5	13.0	13.0	13.0	13.0	13.5	14.5	14.6	14.5	14.0	13.5	11.5	9.0	10.1	7.8
31															
Prom.	11.0	10.8	10.5	10.4	10.8	11.5	12.3	12.7	12.2	12.1	12.4	12.1	11.7	11.8	11.4

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

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
9.5	8.5	7.8	7.2	7.0	6.6	6.6	7.0	6.8	13.0	7,9	6.6	21,22	6.4	10.2
7.4	7.0	5.6	6.6	6.8	6.6	6.0	5.6	5.8	7.4	16	4.6	10	2.8	5.9
6.6	6.6	6.6	7.4	6.7	6.4	6.0	5.4	5.4	7.4	19	5.0	7	2.4	5.9
9.0	9.0	8.5	7.6	10.4	10.5	10.0	10.0	10.0	10.5	21	5.0	6	5.5	7.8
9.5	9.0	8.5	10.5	11.1	11.0	9.0	9.0	9.5	11.5	varios	8.5	varios	3.0	9.8
10.5	11.0	12.5	12.0	12.1	11.5	11.5	12.0	11.0	12.5	18	8.5	5	4.0	10.8
11.0	12.0	11.5	13.0	13.4	13.0	11.0	10.0	10.5	13.4	20	10.0	varios	3.4	11.5
9.0	9.0	9.0	9.5	9.4	9.5	11.0	9.0	8.0	11.0	22	8.0	24	3.0	9.6
10.5	11.0	10.5	10.5	10.5	10.5	11.0	12.0	11.0	12.0	23	7.0	5	5.0	9.6
12.5	12.5	12.5	12.0	11.3	9.5	9.0	8.5	8.5	12.9	14	8.5	23,24	4.4	11.2
12.5	14.0	16.5	14.5	14.3	13.0	12.0	11.0	10.5	16.5	18	8.0	varios	8.5	11.3
12.0	11.5	10.0	11.5	13.5	13.0	12.5	13.0	13.0	13.5	20	8.0	5	5.5	11.1
11.5	11.0	11.5	13.5	14.1	13.5	13.0	13.0	13.5	15.8	14	9.5	5	6.3	12.9
16.0	15.5	14.0	14.5	14.7	14.0	13.5	13.0	13.0	17.5	11	12.5	2,3	5.0	14.4
17.0	16.5	16.0	15.0	13.8	13.5	12.5	13.0	11.5	17.0	7,16	11.5	24	5.5	14.4
8.0	8.5	10.0	9.0	10.2	11.0	11.5	11.5	13.5	13.5	24	7.6	11	5.9	9.9
7.2	10.0	11.0	11.0	11.4	10.5	11.0	11.5	10.0	12.5	5,6	7.2	16	5.3	10.4
11.5	12.5	14.5	14.5	14.4	12.0	11.5	10.5	10.0	14.5	18,19	9.5	2,10	5.0	11.1
10.5	10.0	10.0	10.0	10.3	10.0	9.5	9.5	10.0	10.5	13,16	9.0	9,10	1.5	9.9
13.0	12.0	12.0	13.0	12.6	12.5	11.5	11.5	10.0	13.0	16,19	9.0	4	4.0	10.9
12.5	13.0	12.5	12.5	14.0	14.5	15.0	14.5	13.0	15.0	22	9.0	3,4	6.0	12.3
8.0	12.0	13.0	12.5	12.2	13.0	14.5	14.5	14.5	14.5	varios	8.0	16	6.5	12.3
12.0	13.5	13.5	14.0	13.8	13.5	14.0	16.0	15.5	16.0	23	9.0	9	7.0	12.5
13.5	14.0	12.0	14.0	15.0	16.5	16.0	16.5	16.0	16.5	21,23	11.0	4	5.5	13.8
15.5	15.0	13.5	16.5	16.8	16.0	15.0	15.5	15.5	18.5	11,12	13.0	4	5.5	15.9
17.0	16.5	16.0	16.5	18.3	18.0	16.5	16.5	16.0	18.5	15	13.0	14	5.5	16.2
13.5	14.0	15.0	14.5	14.2	14.5	12.5	14.5	14.0	20.5	7	12.5	15,22	8.0	16.1
18.5	18.5	20.0	19.0	18.1	19.0	18.5	17.5	18.0	20.0	18	13.5	4	6.5	16.6
16.0	16.5	18.5	18.0	17.4	16.0	16.0	15.0	15.0	20.3	8	15.0	varios	5.3	16.8
7.8	9.0	9.0	11.0	11.9	13.0	13.5	13.5	13.0	14.6	8	7.8	15,16	6.8	12.1
11.6	12.0	12.0	12.4	12.6	12.4	12.0	12.0	11.7	14.3		9.2		5.1	11.8

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	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V
1	E	8	E	4	E	7	E	13	E	14	NE	9	E	2	C	0	W	4	S	6	S	10	S	9	S	15	S	13	S	14
2	S	6	SW	6	SW	7	SW	6	SW	9	SW	10	SW	10	SW	14	SW	14	SW	12	SW	13	SW	13	SW	15	SW	12	SW	13
3	C	0	C	1	C	1	SE	4	SE	3	SE	2	SE	4	SE	4	S	2	S	3	SW	3	E	4	NW	5	SW	4	N	7
4	NW	4	W	9	W	6	W	3	W	4	W	6	NW	8	NW	13	NW	17	NW	13	W	13	W	9	W	11	W	9	W	14
5	W	2	W	5	W	3	W	2	W	4	W	4	W	6	W	8	W	7	W	11	W	11	W	9	W	9	W	6	W	8
6	W	6	W	5	W	3	W	3	NW	3	NW	4	N	7	N	9	NW	13	NW	15	NW	23	NW	23	NW	22	NW	19	NW	17
7	E	2	E	3	E	2	C	1	E	2	E	4	NE	9	NE	7	NE	7	NE	5	N	5	NW	5	SE	2	SE	2	SE	4
8	S	8	S	11	S	9	S	6	S	6	S	5	S	7	S	7	S	7	S	11	S	8	S	7	S	7	S	7	S	8
9	C	0	C	0	C	1	C	1	C	1	SE	2	SE	3	SE	7	SE	8	SE	4	SE	4	SE	2	E	8	E	8	E	9
10	E	4	E	3	C	0	S	3	S	3	S	2	SE	2	NE	5	NE	6	N	6	NW	4	W	4	W	6	W	5	W	3
11	C	0	C	1	SW	2	SW	2	SW	4	SW	3	SW	7	SW	5	S	5	S	6	S	6	S	8	S	6	S	6	S	6
12	C	0	C	0	C	0	C	0	C	0	C	1	NW	3	NW	4	N	5	N	5	NE	9	E	9	E	9	E	13	E	9
13	E	6	E	5	S	2	C	0	SE	3	E	3	NE	5	NE	8	N	8	N	5	NE	4	NW	2	NW	4	SW	2	E	3
14	E	10	E	9	E	11	E	10	E	6	S	2	E	11	E	11	E	9	E	6	E	10	SE	4	SE	4	E	10	E	8
15	E	3	SE	4	SE	3	SE	5	SE	5	SE	4	E	4	NE	9	N	13	N	3	SW	4	SW	9	E	5	W	6	SW	4
16	SE	3	SE	3	SE	5	SE	3	SE	5	SE	3	E	4	E	10	E	12	E	13	E	11	E	12	E	11	E	9	E	11
17	E	2	E	10	E	5	SE	2	C	1	E	2	N	4	N	7	N	8	N	5	N	6	N	8	E	8	E	9	E	9
18	E	3	NE	7	NE	9	NE	10	NE	9	NE	8	NE	10	NE	9	N	11	N	12	N	8	N	10	N	8	N	6	N	5
19	S	9	S	10	S	9	S	10	S	10	S	10	S	13	S	11	S	14	S	13	S	15	S	16	S	17	S	15	S	10
20	S	3	S	5	S	4	S	6	S	3	S	6	S	5	S	5	SE	3	SE	6	SE	6	SE	6	SE	7	SE	5	SE	6
21	E	4	E	3	E	5	E	2	E	2	NE	3	NE	8	NE	9	NE	10	NE	11	NE	10	NE	9	NE	9	NE	8	NE	8
22	E	5	E	2	NE	9	NE	10	NE	10	NE	10	NE	16	NE	19	N	23	N	21	N	16	N	13	N	12	N	10	N	12
23	NE	7	NE	8	NE	9	NE	10	NE	12	NE	15	N	21	N	29	N	20	N	19	N	18	N	13	N	10	N	10	N	10
24	NE	8	NE	7	NE	10	NE	11	NE	11	NE	10	NE	12	N	13	N	7	N	7	N	7	E	6	E	8	E	12	E	8
25	E	6	E	2	E	2	NE	6	NE	2	NE	3	NE	6	NE	8	NE	9	NE	9	NE	7	NE	8	NE	9	NE	9	NE	8
26	E	7	SW	6	S	3	C	1	SE	4	E	5	E	6	NE	6	N	12	N	10	N	9	NW	7	NW	7	NW	6	NE	12
27	NE	13	N	13	N	8	N	8	N	7	N	8	N	10	N	12	NW	12	NW	9	NW	9	W	8	SW	14	SW	9	SW	12
28	C	1	C	1	SW	3	C	0	S	3	S	5	S	6	S	3	S	6	SE	2	SE	3	SE	4	SE	5	SE	6	SE	4
29	E	3	SE	4	SE	2	S	2	C	0	C	1	SE	3	SE	3	C	1	NW	6	NW	6	NW	4	E	13	E	13	E	12
30	SW	16	W	11	E	5	SW	7	SW	3	S	4	S	3	S	4	SW	10	SW	14	SW	12	S	13	S	12	S	14	S	12
31																														
DIR. PREV.	E		E		E		C		NE-SE-S		NE-S		NE		NE		N		N		N		S-NW		E		E		E	
Nº de HRAS	13		9		7		6		5		7		7		9		9		10		7		5		8		7		8	
PROM. HOR. DE LA VELOC.		5		5		5		5		5		5		7		8		10		9		9		8		9		9		9

15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		PREVAL. DIARIA		PROM. DIARIO DE VELOC.	VELOCIDAD INSTANTÁNEA		
D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	DIR.	Nº de HORAS		VELOC.	DIREC.	HORA
S	16	S	13	S	12	S	8	S	8	S	6	S	3	S	5	S	6	S	15	8	32	S	16.29
SW	11	S	12	S	4	SW	8	C	1	SW	3	C	1	C	1	C	0	SW	17	8	30	SW	16.20
NE	5	NE	7	NE	7	NE	2	NE	5	NE	4	NW	5	NW	7	NW	5	NE	6	4	9	N	14.40
W	12	W	12	W	8	W	4	W	8	W	7	W	9	W	9	W	6	W	19	9	24	NW	9.10
W	6	C	1	C	0	C	1	W	4	NW	3	NW	4	NE	3	NW	4	W	17	5	12	W	9.08
NW	14	NW	11	NW	5	N	3	NE	5	NE	4	NE	3	NE	3	E	3	NW	12	9	31	NW	11.24
E	6	E	7	C	1	C	0	S	9	S	8	S	14	S	13	S	11	E	7	5	28	S	19.28
S	8	S	5	S	6	SE	2	SE	4	SE	4	SE	4	E	3	C	1	S	18	6	18	S	9.44
E	9	E	7	E	4	E	4	E	5	E	4	E	7	E	6	E	2	E	12	4	18	E	22.12
NW	5	C	0	C	1	W	2	C	1	C	0	C	1	SW	2	S	2	C	6	3	8	NE	8.04
S	5	S	4	SE	3	E	4	E	3	E	3	C	0	NW	2	C	1	S	9	4	12	S	10.58
E	11	E	11	E	8	E	7	E	8	E	9	E	7	E	6	E	8	E	13	6	19	E	13.47 15.42
E	6	E	6	E	4	C	1	E	4	E	2	E	3	E	4	E	6	E	12	4	10	N	9.20
E	4	NE	7	NE	8	NE	11	NE	7	SE	4	SE	5	SE	3	E	6	E	14	7	18	E	10.22
SW	4	SW	5	SW	3	C	1	SW	5	S	4	S	5	S	5	S	3	SW	7	5	14	W	11.29
SE	7	SE	7	E	3	E	2	NW	2	SE	2	SE	3	SE	5	E	4	E	12	6	18	N	8.09
E	9	E	9	E	6	E	6	E	7	E	7	E	7	E	4	E	6	E	16	6	14	E	1.36
W	2	E	3	NE	4	E	4	SW	14	S	14	S	12	S	8	S	9	NE	8	8	30	S	20.46
S	10	S	9	S	10	S	6	S	5	S	4	S	5	S	3	S	4	S	24	10	30	S	12.50
E	9	E	10	E	7	E	5	E	5	E	5	E	5	E	4	E	2	E	9	6	13	S	12.24
NE	10	E	11	E	9	E	9	E	9	E	10	E	9	E	7	E	5	E	13	8	17	NE	10.11
N	12	N	11	E	8	E	8	E	8	E	7	E	9	E	7	E	7	N-E	9	11	26	N	7.07 8.18
N	12	N	10	E	5	E	8	E	7	E	7	E	8	E	7	E	5	N	11	12	24	N	9.48
E	8	E	5	E	5	E	7	E	9	E	5	E	7	E	5	E	8	E	13	8	16	E	13.48
NE	2	NE	11	E	4	E	5	E	9	E	11	E	9	E	11	E	6	NE	13	7	14	E	12.28
NE	11	NE	12	NE	8	E	8	E	3	E	6	NE	11	NE	16	NE	14	NE	8	8	21	NE	22.09
SW	22	SW	16	SW	7	W	12	S	9	S	3	S	7	N	8	NW	5	N	8	10	68	SW	14.57
SE	6	SE	8	E	8	E	8	E	9	E	10	E	9	E	5	E	5	SE	8	5	12	E	16.59
NE	14	NE	16	NE	11	NE	8	NE	9	NE	13	N	12	N	14	W	8	NE	6	7	32	N	14.52
S	10	S	9	S	7	C	1	C	0	E	3	NE	2	NE	3	E	5	S	10	8	48	SW	0.06
E		E		E		E		E		E		E		E		E		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		84 Km.		
8		9		12		14		13		14		11		12		15					DIREC.	DÍA	HORA
	9		8		6		5		6		6		6		6		5	E	188	7	SW	27	de 14.55 a 15.00

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			1	9	6	48			15	144			1	4			1	205
2									3	22	17	176					4	201
3	1	7	6	30	1	4	5	17	2	5	2	7			4	22	3	94
4													19	159	5	55		214
5			1	3									17	105	3	11	3	121
6	3	19	4	15	1	3							4	17	12	169		223
7	1	5	4	28	7	26	3	8	5	55					1	5	3	129
8					1	3	4	14	18	133							1	151
9					12	73	7	30									5	106
10	1	6	2	11	2	7	1	2	4	10	1	2	5	20	2	9	6	70
11					3	10	1	3	9	52	6	23			1	2	4	92
12	2	10	1	9	13	115									2	7	6	142
13	2	13	3	17	12	52	1	3	1	2	1	2			2	6	2	96
14			4	33	14	121	5	20	1	2								176
15	2	16	1	9	3	12	5	21	4	17	7	34	1	6			1	116
16					12	102	11	46							1	2		150
17	6	38			16	106	1	2									1	147
18	7	60	8	66	3	10			4	43	1	14	1	2				195
19									24	238								238
20					9	52	7	44	8	37								133
21			11	95	13	85												180
22	9	130	6	74	9	61												265
23	11	172	6	61	7	47												280
24	4	34	7	69	13	93												196
25			13	88	11	74												162
26	3	31	8	90	6	35	1	4	1	3	1	6			3	20	1	190
27	8	74	1	13					3	19	6	80	2	20	4	35		241
28					7	54	8	38	5	23	1	3					3	120
29	2	26	6	71	4	41	4	12	1	2			1	8	3	16	3	178
30			2	5	3	13			10	88	6	62	1	11			2	180
31																		
SUMAS	62	641	95	796	188	1247	64	264	118	895	49	409	52	352	43	359	49	4991
% PREVAL POR VELOCIDAD	12.8		15.9		25.0		5.3		17.9		8.2		7.1		7.2		0.6	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	10		8		7		4		7		8		7		8		1	166

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1		3	13	1	4	1	2	1	5
1 - 2	1	3	9	3	3	2	4		5
2 - 3	1	4	7	3	5	3	3		4
3 - 4	1	5	3	4	5	3	3		6
4 - 5	1	5	4	5	5	3	2	1	4
5 - 6	1	7	4	4	7	2	2	1	2
6 - 7	4	7	5	4	5	2	1	2	
7 - 8	5	9	2	3	5	2	1	2	1
8 - 9	9	4	2	2	5	2	2	3	1
9 - 10	10	3	2	3	5	2	1	4	
10 - 11	7	4	2	3	4	4	2	4	
11 - 12	4	2	4	4	5	2	4	5	
12 - 13	3	1	8	4	5	2	3	4	
13 - 14	3	2	7	3	5	4	4	2	
14 - 15	4	3	8	3	5	3	3	1	
15 - 16	2	5	8	2	5	3	3	2	
16 - 17	2	5	9	2	6	2	1	1	2
17 - 18		5	12	1	5	2	1	1	3
18 - 19	1	3	14	1	2	1	3		5
19 - 20		4	13	1	4	2	2	1	3
20 - 21		3	14	3	6	1	1	1	1
21 - 22	1	3	11	3	6		1	2	3
22 - 23	2	4	12	2	5	1	1	2	1
23 - 24		1	15		6		2	3	3
SUMAS	62	95	188	64	118	49	52	43	49
% de frec. por dirección	8.6	13.2	26.1	8.9	16.4	6.8	7.2	6.0	6.8

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

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	Am.
	10				8	0	3	Z.
1	12				8	0	3	Z.
	14				8	0	4	Am.
	15				8	0	4	Am.
	9	36.0	16.7	1.57	1	5	5	
	10	36.8	17.6	1.56	1	5	5	
2	12	38.8	19.5	1.57	3	3	5	
	14	23.8	15.6	0.67	4	3	5	
	15	25.5	16.7	1.53	4	3	5	
	9	39.0	18.5	1.67	2	5	5	
	10	39.0	19.6	1.58	2	5	5	
3	12	41.0	22.0	1.54	4	5	5	
	14	43.6	23.4	1.64	8	5	5	
	15	30.1	18.9	0.91	7	4	5	
	9	33.2	19.8	1.09	0	5	5	
	10	36.9	21.6	1.24	1	5	5	
4	12	40.5	23.9	1.35	5	3	5	
	14	37.9	24.7	1.07	4	3	5	
	15	42.6	25.3	1.41	4	5	5	
	9	43.2	25.2	1.46	1	5	5	
	10	45.0	27.0	1.46	0	5	5	
5	12	47.0	29.0	1.46	3	5	5	
	14	45.0	38.6	0.52	3	5	5	
	15	44.5	28.1	1.33	4	5	5	
	9	45.4	26.9	1.50	5	5	5	
	10	44.4	27.5	1.37	7	5	5	
6	12	42.3	29.8	1.02	6	5	5	
	14	46.2	29.2	1.38	2	5	5	
	15	45.4	29.0	1.33	1	5	5	
	9	41.1	27.5	1.10	7	4	5	
	10	36.0	26.4	0.78	7	4	5	
7	12	50.0	32.5	1.42	3	3	5	
	14	48.8	32.0	1.36	3	5	5	
	15	49.0	32.0	1.38	5	5	5	
	9	16.5	13.2	0.27	8	0	3	Ne.
	10	19.0	14.0	0.41	8	0	3	Ne.
8	12	31.4	19.4	0.98	7	3	5	
	14	38.0	22.4	1.27	7	3	5	
	15	29.5	20.3	0.75	7	3	5	
	9	33.0	20.6	1.01	4	3	5	
	10	31.0	19.8	0.91	7	3	5	
9	12	30.3	21.0	0.76	7	1	5	
	14	29.6	20.6	0.73	7	1	5	
	15	31.1	21.1	0.81	5	3	5	
	9	22.2	18.8	0.28	8	0	5	
	10				8	0	4	Z.
10	12				8	0	3	LL.
	14				8	0	3	LL.
	15				8	0	3	LL.
	9	37.0	22.0	1.22	5	3	5	
	10	39.1	24.3	1.20	5	3	5	
11	12	47.5	28.0	1.58	4	5	5	
	14	50.1	29.0	1.72	4	5	5	
	15	50.0	29.6	1.66	3	5	5	
	9	45.0	26.6	1.50	7	5	5	
	10	42.0	27.0	1.22	8	4	5	
12	12	47.5	29.3	1.48	7	5	5	
	14	46.5	29.0	1.42	1	5	5	
	15	45.3	28.5	1.36	0	5	5	
	9	46.5	28.8	1.44	0	5	5	
	10	48.0	30.0	1.46	1	5	5	
13	12	38.0	28.0	0.81	3	3	5	
	14	50.0	33.0	1.38	6	3	4	B.
	15	42.0	30.0	0.98	4	3	4	B.
	9				8	0	4	Z.
	10				7	4	0	LL.
14	12				8	0	4	Am.
	14				8	0	4	LL.
	15				8	0	4	LL.
	9	44.5	26.5	1.46	6	3	5	
	10	52.3	30.0	1.81	6	3	5	
15	12	30.0	26.0	0.32	8	0	5	
	14	32.4	25.4	0.57	8	0	5	
	15	35.0	26.5	0.69	7	1	5	
	9	45.2	26.5	1.52	1	5	5	
	10	45.5	27.0	1.50	2	5	5	
16	12	47.6	28.8	1.53	6	5	5	
	14	35.0	25.4	0.78	8	1	5	
	15	32.3	24.4	0.62	8	1	5	

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9	44.5	26.5	1.46	0	5	5	
	10	46.2	27.6	1.51	0	5	5	
17	12	46.8	28.8	1.46	0	5	5	
	14	45.4	29.3	1.31	0	5	5	
	15	46.5	29.3	1.40	0	5	5	
	9	45.5	27.0	1.50	2	5	5	
	10	48.0	28.6	1.58	5	5	5	
18	12	47.0	29.5	1.42	6	5	5	
	14	42.0	28.6	1.09	7	4	5	
	15	51.0	31.7	1.57	7	5	5	
	9				8	0	4	Am.
	10				8	0	4	Z.
19	12	35.4	20.2	1.24	7	1	4	
	14	26.6	19.4	0.58	8	0	4	
	15	26.4	19.5	0.56	7	1	4	
	9	42.1	22.0	1.63	7	3	5	
	10	39.0	22.0	1.38	5	3	5	
20	12	45.0	26.2	1.53	5	3	5	
	14	48.0	28.0	1.63	4	5	4	B.
	15	46.2	28.0	1.48	4	5	5	
	9	43.8	25.7	1.47	0	5	5	
	10	45.0	27.0	1.46	0	5	5	
21	12	45.8	28.2	1.43	1	5	5	
	14	47.0	29.5	1.42	1	5	5	
	15	46.0	29.0	1.38	1	5	5	
	9	46.0	27.7	1.49	0	5	5	
	10	47.6	29.2	1.50	0	5	5	
22	12	45.5	29.8	1.28	4	5	5	
	14	51.1	32.1	1.54	4	5	5	
	15	48.5	31.0	1.42	3	5	5	
	9	33.5	25.0	0.69	0	5	5	
	10	47.7	29.9	1.45	1	5	5	
23	12	50.0	32.5	1.42	2	5	5	
	14	45.5	31.6	1.13	4	5	4	
	15	46.3	32.1	1.15	2	5	4	
	9	43.7	28.0	1.28	8	1	5	
	10	49.0	30.5	1.50	8	4	5	
24	12	46.5	31.7	1.20	8	4	5	
	14	45.4	30.0	1.33	8	2	4	
	15	38.5	28.8	0.79	8	2	4	
	9	47.6	30.5	1.39	8	5	5	
	10	49.5	32.0	1.42	8	5	5	
25	12	52.5	33.9	1.51	8	5	5	
	14	54.3	35.4	1.54	4	5	5	
	15	50.2	30.1	1.63	5	5	5	
	9	49.3	32.0	1.41	2	5	5	
	10	52.3	33.8	1.50	3	5	5	
26	12	52.0	35.5	1.34	7	5	5	
	14	55.0	37.4	1.43	5	5	5	
	15	41.2	32.0	0.75	3	3	5	
	9	52.0	34.3	1.44	7	5	5	
	10	55.7	37.0	1.52	7	5	5	
27	12	41.5	30.7	0.88	8	2	5	
	14	41.0	31.0	0.81	8	2	5	
	15				8	0	4	Am.
	9	37.5	27.0	0.85	7	2	4	
	10	41.4	29.0	1.01	7	2	4	
28	12	56.8	34.2	1.84	6	5	5	
	14	55.0	36.5	1.50	5	5	5	
	15	49.0	30.0	1.54	6	1	5	
	9	50.4	32.9	1.42	5	2	3	Ne.
	10	53.2	34.4	1.53	5	2	4	Ne.
29	12	55.9	37.5	1.50	6	3	4	Ne.
	14	34.5	28.0	0.53	7	3	5	
	15	30.9	25.6	0.43	7	3	5	
	9	45.5	28.4	1.39	0	5	5	
	10	46.6	29.9	1.36	1	5	5	
30	12	49.3	31.8	1.42	2	5	5	
	14	48.3	30.2	1.47	1	5	5	
	15	48.1	30.6	1.42	0	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								0.1				0.1			0.2	13.4	02
2	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.6	12.8	13.5	95
3	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	1.0	1.0	0.6	12.6	13.5	93
4	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	13.5	97
5	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.7	0.4	12.3	13.6	90
6	0.4	1.0	1.0	1.0	1.0	0.8	0.6	1.0	1.0	1.0	1.0	1.0	1.0	0.6	12.4	13.6	91
7	0.3	1.0	1.0	1.0	1.0	0.7	1.0	1.0	0.9	1.0	1.0	0.8	0.4		11.1	13.6	82
8							0.1	0.7	0.7	0.8	0.6	0.1	0.4	0.3	3.7	13.6	27
9	0.2	1.0	0.9	0.9	1.0	0.7	0.5	0.2	0.9	0.3	0.7				7.3	13.7	53
10													0.3	0.3	0.6	13.7	04
11			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	11.1	13.7	81
12	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	0.7	12.9	13.8	94
13	0.3	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	0.6	1.0	1.0	1.0	0.2	11.9	13.8	86
14		0.5	0.5			0.2	0.2					0.1			1.5	13.8	11
15	0.1	0.5	0.8	0.7	0.7	1.0	0.2			0.2	0.1	0.1	0.5	0.2	5.1	13.8	37
16	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.7							7.2	13.9	52
17	0.1	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	12.4	13.9	89
18	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.6			10.5	13.9	76
19								0.4	0.4	0.3	0.5	0.9	1.0	0.6	4.1	13.9	30
20				0.1	0.8	1.0	1.0	1.0	1.0	1.0	0.6	1.0	1.0	0.3	8.8	14.0	63
21	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	0.7	13.2	14.0	94
22		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	12.2	14.0	87
23	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.7	0.1	0.4	11.5	14.0	82
24		0.1		0.5	0.7	1.0	0.8	1.0	0.5			1.0	0.6		6.2	14.0	44
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	0.2		11.7	14.1	83
26			0.4	1.0	1.0	1.0	1.0	1.0	1.0	0.7	1.0	1.0	1.0	0.7	10.8	14.1	77
27		0.7	1.0	1.0	1.0	0.7	0.8	0.1							5.3	14.1	38
28			0.5	1.0	0.4	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	9.7	14.1	69
29			0.6	0.7	1.0	1.0	0.9	0.7	1.0	0.2	0.5	1.0	0.6	0.3	8.5	14.1	61
30		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	12.6	14.2	89
31																	
Medias	1.8	6.0	7.1	7.6	7.9	7.9	7.7	7.6	7.5	6.6	6.7	7.0	6.3	3.4	9.1	13.8	66

GEOTEMPERATURA

DÍAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h
1	18.0	18.6	17.2	17.6	18.0	17.3	16.6	16.4	16.2	17.2	16.6	16.8	20.1	19.9	19.8
2	14.8	18.6	16.6	15.1	17.7	16.8	14.8	15.2	15.0	16.0	15.8	15.2	19.6	19.3	19.3
3	14.0	18.8	16.7	14.3	17.5	16.8	14.1	14.6	15.4	15.6	17.6	15.7	19.1	19.1	18.8
4	14.6	19.0	17.6	14.5	17.5	17.3	13.8	14.8	15.4	15.3	15.3	15.6	19.0	18.8	18.7
5	16.2	21.3	19.4	15.7	19.2	19.0	14.8	15.9	16.8	15.8	15.8	16.6	19.0	19.0	19.0
6	17.6	21.2	20.0	17.0	19.7	19.4	16.0	16.6	17.4	16.6	16.6	17.1	19.7	19.7	17.8
7	18.6	22.6	21.0	17.8	20.6	20.4	16.6	17.6	18.2	17.2	17.4	17.8	20.1	20.2	20.2
8	18.5	19.4	18.8	18.4	18.8	18.8	17.2	17.0	17.4	17.8	17.4	17.6	20.4	20.6	20.5
9	16.8	19.6	18.8	16.7	18.6	18.4	16.2	16.6	16.8	17.0	17.0	17.0	20.5	20.5	20.5
10	17.6	18.0	18.2	16.2	17.9	17.8	16.8	16.1	16.4	17.2	16.0	16.8	20.4	20.2	20.1
11	16.6	21.2	20.0	19.8	19.5	19.4	15.6	16.4	17.2	16.4	16.5	17.2	20.0	20.0	20.0
12	18.2	22.3	20.6	17.5	25.0	20.0	16.5	17.4	18.0	17.2	17.4	18.0	20.3	20.3	20.4
13	19.6	24.0	22.0	18.6	21.8	21.3	17.4	18.2	19.0	18.0	18.0	18.6	20.8	20.8	20.8
14	20.5	21.0	20.6	20.0	20.3	20.0	18.6	18.3	18.0	18.8	18.6	18.6	21.4	21.3	21.2
15	19.4	22.6	21.6	18.8	21.0	21.0	17.4	18.2	18.6	18.1	18.2	18.6	21.2	21.2	21.1
16	19.2	22.6	20.4	18.7	21.1	18.6	18.0	18.4	18.6	18.4	18.4	18.4	21.4	21.4	21.4
17	19.8	23.6	21.2	19.1	20.1	19.4	18.0	18.8	19.2	18.6	18.8	21.6	21.5	21.5	19.0
18	19.8	23.6	22.2	19.3	22.0	21.7	18.3	19.0	19.6	19.0	19.0	19.6	21.9	21.9	21.8
19	19.0	19.8	19.2	19.2	19.4	18.3	18.4	18.7	18.6	19.3	20.0	21.8	20.1	20.0	19.6
20	17.8	21.6	20.6	17.9	20.5	20.1	17.0	17.9	18.6	18.0	18.0	18.6	21.4	21.4	21.4
21	18.6	23.2	21.2	18.4	21.3	20.8	17.5	18.3	19.0	18.4	18.4	19.0	21.5	21.5	21.5
22	18.6	23.4	22.0	19.2	21.8	21.4	18.2	18.8	19.4	18.6	18.8	19.4	21.8	21.8	21.9
23	20.4	23.4	22.6	19.9	22.7	22.1	19.4	19.6	20.0	22.2	19.4	19.8	19.5	23.2	22.3
24	20.8	24.5	22.8	20.5	22.7	22.3	19.4	19.8	20.4	19.8	19.8	20.2	22.5	22.5	22.5
25	21.6	26.2	24.0	21.0	24.0	22.4	19.6	20.6	21.2	20.1	20.2	20.6	22.9	23.0	23.0
26	23.0	27.0	25.0	22.2	25.0	24.4	20.6	21.6	22.0	20.9	21.2	21.4	23.5	23.6	21.7
27	23.8	27.0	22.0	22.9	25.0	23.8	21.6	22.0	21.2	21.6	21.6	21.8	24.2	24.1	24.1
28	22.7	26.6	25.5	22.3	24.8	24.7	21.1	21.8	22.6	21.5	22.6	22.0	24.3	24.4	24.2
29	23.8	27.2	25.0	23.1	25.4	24.4	21.8	22.2	22.6	22.0	22.0	22.2	24.6	24.6	24.7
30	22.8	26.6	23.6	22.4	25.2	23.9	21.4	22.0	22.4	22.0	21.8	22.2	24.8	24.8	24.7
31															
Prom.	19.1	22.5	20.9	18.8	21.1	20.4	17.8	18.3	18.7	18.5	18.5	18.9	21.2	21.4	21.1

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	0.4	0.2	0.0	2	0.5	0.3	0.6	1.4							11400
2					2	0.5	1.4	1.0	2.7							11491
3					2	0.3	1.2	1.2	3.0	S. 5	20.1	22.1	23.5			11488
4					1	0.6	1.4	1.0	2.8							11476
5					0	0.4	1.4	1.0	2.8							11467
6					0	0.4	2.3	1.4	4.1							11459
7					0	0.4	1.6	1.5	4.0							11458
8					0	0.9	0.5	0.8	1.5	S. 6	18.4	18.9	23.8	21.0		11460
9					0	0.2	0.9	0.8	2.1							11458
10	5.3	6.6	5.6	5.7	0	0.4	0.3	0.0	0.4							11458
11					2	0.1	1.0	1.0	2.1							11458
12					1	0.1	2.2	1.2	4.1							11458
13					0	0.7	1.4	1.3	3.7	S. 7	16.8	16.0	19.7			11457
14	2.3	3.0	1.9	2.1	0	1.0	0.4	0.4	1.2							11456
15					1	0.4	0.8	0.8	2.6							11456
16					0	1.0	1.8	1.4	4.4							11459
17					0	1.2	1.0	1.7	3.5							11461
18	5.8	6.7	6.0	5.9	0	0.8	1.9	0.8	3.7	S. 8	15.1	15.0	18.4			11459
19	0.0	0.0	0.0	0.0	2	1.0	0.7	1.0	1.9							11461
20					1	0.2	0.9	1.1	2.5							11470
21					0	0.5	1.5	1.5	3.7							11470
22					0	0.7	2.2	2.5	5.5							11470
23					0	0.8	2.3	2.1	5.1	S. 9	11.1	12.5	15.0			11470
24					0	0.7	1.7	1.7	4.2							11470
25					0	0.8	1.8	1.6	3.9							11474
26					0	0.5	1.9	1.7	4.7							11474
27	0.6	0.9	-	0.5	0	1.1	1.8	0.8	3.2							11482
28					1	0.6	1.7	1.4	3.7							11492
29	6.8	7.5	6.3	-	0	0.6	1.5	1.1	3.4	S. 10	15.1	13.8	15.8	-	-	11494
30					1	0.8	2.1	2.4	5.0							11494
31																
Prom.	20.8	25.1	-	-	-	0.6	1.4	1.2	3.2	-	-	-	-	-	-	11467

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		
-	-	-	17.7	17.7	17.7	16.3	16.3	14.5	Cn. m. t. y n., Z. m. t. y n.
-	-	-	17.6	17.6	17.6	16.5	16.4	2.3	Ca. m. y n., Cn. t., r. m. y n.
-	-	-	17.6	17.6	17.6	16.5	16.4	0.6	Cn. m., Ca. t. y n., r. m. y n.
-	-	-	17.6	16.9	17.8	16.5	16.4	0.7	Cn. t., Ca. m. y n., r. m. y n.
-	-	-	17.5	17.8	17.5	16.5	16.4	5.1	Ca. m. t. y n., r. m. y n.
-	-	-	17.5	17.5	17.5	16.6	16.4	7.1	Ca. m. t. y n., r. m. y n.
-	-	-	17.6	17.7	17.7	16.6	16.4	9.0	Cn. m. y t., Ca. n.
-	-	-	17.9	18.0	18.0	16.6	16.4	11.6	Cn. m. y t., Ca. n., Ne. m., r. n.
-	-	-	18.0	18.0	18.0	16.6	16.4	2.9	Ca. m., Cn. t. y n., r. m.
-	-	-	18.1	18.1	18.1	16.6	16.4	8.2	Cn. m. y t., Ca. n., Ne. m. y t., N. n., LL. t.
-	-	-	18.1	18.1	18.1	16.7	16.5	6.9	Cn. m. y t., Ca., n., r. n.
-	-	-	18.1	18.2	18.2	16.7	16.5	8.3	Cn. m. y t., Ca. n., r. m. y n., N. dv. m.
-	-	-	18.2	18.2	18.2	16.8	16.5	8.7	Ca. m. y n., Cn. t., r. m., B. t.
-	-	-	18.4	18.4	18.4	16.9	16.5	14.1	Cn. m. y t., Ca. n., Z. m., LL. m. y t., r. n.
-	-	-	18.4	18.4	18.4	16.9	16.5	10.5	Cn. m. y t., Ca. n., r. m. y n.
-	-	-	18.6	18.7	18.7	17.0	16.4	6.6	Ca. m., Cn. t. y n., r. m.
-	-	-	18.7	19.0	19.0	17.0	16.4	11.6	Ca. m. t. y n., r. m. y n., Vx. t. y n.
-	-	-	18.8	18.8	18.8	17.1	16.6	-	Ca. m., Cn. t. y n., r. m., LL. n.
-	-	-	19.2	19.1	19.1	17.0	16.8	12.1	Ca. n., Cn. m. y t., r. n., Z. m.
-	-	-	19.1	19.2	19.2	17.2	16.6	7.1	Cn. m. y t., Ca. n., B. t., r. n.
-	-	-	19.2	19.2	19.2	17.2	16.6	6.1	Ca. m. t. y n., r. m. y n.
-	-	-	19.3	19.3	19.3	17.3	16.7	9.1	Ca. m. y n., Cn. t., r. m.
-	-	-	19.5	19.5	19.5	17.4	17.0	10.1	Ca. m. y n., Cn. t., Dl. Jl. n.
-	-	-	19.6	19.3	19.7	17.4	16.9	9.4	Cn. m. t. y n., Jl. n.
-	-	-	19.6	19.6	19.6	17.5	16.7	5.6	Cn. m. t. y n., r. m.
-	-	-	19.7	19.7	19.7	17.5	16.7	20.3	Ca. m. y n., Cn. t., r. m.
-	-	-	20.0	20.0	20.0	17.5	16.7	-	Cn. m. t. y n., r. m., LL. P. t., R. n.
-	-	-	20.2	20.2	20.2	17.5	16.7	10.4	Ca. t., Cn. m. y n., r. m.
-	-	-	20.4	20.3	20.4	17.7	17.0	10.1	Ca. m., Cn. t. y n., Ne. m., Ru. t., R. n.
-	-	-	20.5	20.6	20.6	17.6	17.1	11.1	Cm. m. t. y n., Ru. CH. m., r. n.
-	-	-	18.7	18.7	18.7	17.0	16.6	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	Teóricas Astronómicas	Relativa
	mm. mb	mm. mb			mm. mb			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	57.1	57.4	3	10	48.0	1	4-5	14.1	19.9	8.0	27.6	7	14,15	2.3	3	5	8.6	13.6	63
2ª	57.9	63.6	20	10	53.2	15	1	18.0	23.6	11.9	28.2	13	14	8.4	12	5	8.6	13.8	62
3ª	58.1	63.2	21	8,9	51.9	26; 30	17,18;2-3	22.0	28.9	16.1	32.5	26	12	10.6	21	3	10.2	14.1	72
MES	58.1	67.4	3	10	48.0	1	4-5	18.0	24.1	12.0	32.5	26	12	2.3	3	5	9.1	13.8	66

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	80	100	varios	40	5	9.2	13.4	4.6	S	8	60	1,6	23	6	10-11 11-12	32	S	1	16.29	7.0	6.6	10	-	-	-
2ª	79	100	varios	32	17	11.6	17.5	7.2	E	7	36	varios	17	19	12-13	30	S	18,19	20.46 12.50	9.7	6.7	18	6.0	18	23 - 24
3ª	76	100	varios	31	30	14.5	20.5	7.8	E	7	84	27	29	23	7-8	68	SW	27	14.57	8.4	7.5	30	6.0	30	0.30-1.30
MES	78	100	varios	31	30	11.8	20.5	4.6	E	7	84	27	29	23	7-8	68	SW	27	14.57	25.1	7.5	30	-	-	-

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	3	-	1	1	-	-	-	1	1	-	-	-	-	-	2	-	-
2ª	5	2	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
3ª	7	-	1	-	-	-	-	2	-	-	1	-	-	-	3	2	2
MES	15	2	2	1	-	-	-	5	3	-	1	-	-	-	5	3	2

DÉCADA	FENÓMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Granizo blando	Granizo duro	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
1ª	7	-	-	-	-	-	-	-	-	-	-	4	3	-	1	-
2ª	10	-	-	-	-	-	-	-	-	-	-	2	-	-	3	-
3ª	7	-	-	-	-	-	1	-	2	1	-	3	2	-	1	-
MES	24	-	-	-	-	-	1	-	2	1	-	9	5	-	11	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. VII — DICIEMBRE 1952 — Nº 12

RESUMEN MENSUAL

Advección de aire caliente y húmedo se observa en los primeros tres días del mes, por lo que la temperatura, humedad y nubosidad aumentan en forma pronunciada. El día 3 una corriente de aire más fresco, reemplaza el aire tropical ambiente, produciendo lluvias de variada intensidad. La temperatura baja en más de 10.0°C en tres horas; al día siguiente reina de nuevo tiempo bueno con temperaturas de algunos grados por debajo del promedio mensual. Otro empuje de aire fresco precedido de un frente inestable empeora el tiempo el día 7; se producen las lluvias más copiosas del mes y hasta el fin de la década cae casi la totalidad mensual de la precipitación.

La primera mitad de la segunda década, se caracteriza por la afluencia desde el mar de aire fresco, con lo que las temperaturas se mantienen relativamente bajas a pesar del buen tiempo reinante. En este lapso se registra la presión más alta del mes con 765.4 mmHg el día 13. Antes de un nuevo empuje de aire marítimo el día 17, la temperatura sube el 16 a casi 30.0°C. El constante aflujo de este aire marítimo desde el S sigue manteniendo la temperatura en unos cinco grados por debajo del valor normal, produciéndose al mismo tiempo una nubosidad muy variada hasta el fin de la década.

El tiempo relativamente fresco se mantiene todavía en los primeros días de la última década. La continua afluencia de aire más seco y fresco, tiene como consecuencia que se produzca recién el día 23 la mínima mensual de la temperatura y humedad absoluta con 6.1°C y 6.2 mmHg respectivamente. El brusco cambio del viento hacia el N el día 24, aumenta rápidamente la temperatura; la presión baja al mismo tiempo en forma pronunciada hasta llegar a su mínima mensual el día 25 con 749.2 mmHg. El día siguiente la temperatura registra la máxima mensual con 35.0°C al encontrarse el Observatorio en una masa de aire de origen tropical. Un fuerte empuje de aire fresco atraviesa el Río de la Plata el 27 por la mañana, bajando la temperatura doce grados en dos horas. Sin embargo dos días después predomina otra vez aire tropical en el cual se registra el valor máximo mensual de la humedad absoluta con 19.3 mmHg y la temperatura sube una vez más a casi 35.0°C. En la noche del 30 al 31, llega un último empuje de aire más fresco y el año termina con tiempo bueno y condiciones climáticas correspondientes a la época.

La frecuente y a veces prolongada afluencia de aire fresco y seco, causada por una actividad ciclónica más pronunciada, tiene como consecuencia que los términos medios de los elementos principales, como temperatura, humedad, presión y precipitación estén por debajo de su normal, marcando la lluvia un déficit de casi el 30%.

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	-110	-138	- 41	- 28	- 28	14	104	97	55	48	48	41	28	41	28
2	14	28	14	55	55	83	97	97	138	97	55	104	-	-	-
3	48	34	34	- 97	- 55	62	∞	207	233	-239	∞	117	83	76	69
4	-	-	-	-	-	-	-	-	-	97	104	97	104	104	69
5	62	55	83	83	83	220	193	159	104	97	104	145	152	138	152
6	-	-	-	-	55	97	104	83	97	97	83	34	28	62	83
7	104	90	48	48	55	69	90	69	69	104	62	69	90	62	62
8	-	-	14	28	34	34	28	41	97	97	90	97	131	138	138
9	28	- 7	7	21	7	69	21	159	-239	- 34	- 97	- 90	-104	28	69
10	104	69	97	145	200	166	350	252	-	193	152	131	97	76	-
11	-	-	-	-	-	-	-	-	145	131	97	69	62	62	62
12	-	-	-	53	70	44	97	130	209	236	227	168	149	127	87
13	-	-	-	-	-	-	48	138	203	246	172	131	179	186	193
14	76	76	76	76	69	62	62	90	110	104	90	104	104	104	97
15	69	62	69	83	76	69	69	69	62	76	83	97	90	76	69
16	7	34	41	41	62	62	124	76	55	55	69	55	48	21	28
17	186	186	145	97	83	138	193	193	28	152	48	28	14	117	48
18	41	48	48	48	28	41	48	41	83	76	69	48	48	34	41
19	-	-	-	-	-	-	-	-	39	74	31	22	-	-	-
20	12	14	27	27	24	17	36	44	58	76	58	24	10	- 30	- 36
21	39	62	70	44	48	34	78	78	89	85	29	- 7	- 23	- 10	- 20
22	-	-	-	-	-	-	-	-	-	110	97	55	28	28	- 7
23	69	7	28	55	41	34	41	28	34	-	-	-	-	-	-
24	34	28	104	41	48	55	69	69	48	28	- 14	- 69	7	48	28
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	34	48	62	48	48	62	48	41	- 69	-188	-350	-∞	-∞	-∞	-∞
28	41	62	69	48	48	28	7	55	14	-	-	-	138	28	21
29	159	172	104	90	97	97	97	83	104	138	166	166	104	90	110
30	±∞	- 83	- 28	-107	- 90	-224	179	166	104	90	90	69	76	69	62
31	62	69	55	-	-	-	-	179	159	48	- 41	- 55	- 97	- 97	- 55
Prom.	81.4	82.6	76.0	76.0	76.0	97.8	93.8	88.4	92.6	98.2	102.4	112.0	99.6	88.4	93.8

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	0.81	0.78	1.59	1.04	450	651	1101	0.69	1.25	0.84
2	0.83	0.77	1.60	1.08	722	658	1380	1.10	0.80	0.82
3	0.81	0.84	1.65	0.96	504	429	933	1.17	1.12	1.37
4	0.71	0.66	1.37	1.07	583	487	1070	1.20	0.85	0.95
5	0.73	0.64	1.37	1.14	424	380	804	1.11	1.20	1.18
6	0.78	0.74	1.52	1.05	708	729	1437	0.97	0.77	0.71
7	0.98	0.89	1.87	1.10	721	690	1411	1.05	0.95	0.90
8	0.46	0.47	0.93	0.98	516	541	1057	0.95	0.62	0.61
9	0.68	0.78	1.46	0.87	442	715	1157	0.62	1.08	0.76
10	0.85	0.75	1.60	1.13	574	-	574	-	1.04	-
11	0.96	0.79	1.75	1.21	759	-	759	-	-	0.88
12	0.84	0.75	1.59	1.12	676	283	959	2.39	0.87	1.85
13	0.82	0.87	1.69	0.94	516	337	853	1.53	1.11	1.81
14	1.03	-	1.03	-	755	684	1439	1.10	0.95	-
15	1.02	-	1.02	-	753	686	1439	1.10	0.95	-
16	0.94	0.97	1.91	0.97	615	484	1099	1.27	1.07	1.40
17	1.18	1.14	2.32	1.03	823	724	1547	1.13	1.01	1.10
18	1.13	0.99	2.12	1.14	853	705	1558	1.21	0.93	0.98
19	1.30	1.41	2.71	0.92	876	747	1623	1.17	1.04	1.32
20	0.94	0.87	1.81	1.08	737	657	1394	1.12	0.89	0.92
21	1.08	0.87	1.95	1.24	485	309	794	1.57	1.55	1.97
22	1.13	1.03	2.16	1.10	576	527	1103	1.09	1.37	1.36
23	0.80	0.75	1.55	1.06	390	431	821	0.90	1.00	1.22
24	0.81	0.81	1.62	1.00	564	590	1154	0.96	1.00	0.96
25	1.04	1.03	2.07	1.01	490	389	879	1.26	1.48	1.85
26	1.12	1.11	2.23	1.01	628	758	1386	0.83	1.25	1.02
27	0.94	0.90	1.84	1.04	512	512	1024	1.00	1.28	1.23
28	0.87	0.81	1.68	1.07	515	479	994	1.07	1.18	1.18
29	0.86	0.87	1.73	0.99	440	466	906	0.94	1.37	1.36
30	1.09	1.05	2.14	1.04	567	501	1068	1.13	1.34	1.46
31	0.58	0.56	1.14	1.04	299	320	619	0.93	1.35	1.22
Prom.	0.92	0.86	1.78	1.07	598	550	1148	1.09	1.07	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
34	34	62	110	233	207	124	90	62		449	-210	659	2
-	-	-	110	104	124	124	83	55		233	- 97	330	1*
41	41	28	-	-	-	-	-	-		∞	-∞	-	3*
69	76	48	-	-	69	97	76	83		-	-	-	
124	90	124	104	83	76	55	55	55	108.2	259	34	225	0
83	83	110	110	90	55	69	76	97		207	- 55	262	1*
41	∞	-∞	-∞	±∞	145	- 55	- 48	- 62		∞	-∞	-	3*
159	152	124	90	104	83	55	41	62		220	- 55	275	1*
210	-159	-152	76	- 14	- 62	-217	-110	83		471	-586	1057	2
-	-	-	-	-	-	-	-	-		464	- 34	498	0*
55	7	62	97	34	-	-	-	-		246	- 55	301	0*
53	58	53	58	56	55	125	122	107		265	- 59	324	1*
193	193	207	159	131	145	138	-	-		297	- 14	311	0*
97	117	159	172	129	186	145	69	41	100.6	272	00	272	0
62	62	76	76	104	124	97	90	41	77.1	166	00	166	0
-	-	48	34	-342	34	41	41	46		179	-951	1130	1*
- 41	- 83	- 76	69	193	192	159	200	207		357	-438	795	2
41	48	41	55	69	69	62	55	48	51.2	110	00	110	0
- 46	- 59	- 20	- 23	- 10	34	48	48	29		99	-107	206	2*
- 23	- 30	5	10	29	48	46	62	34		291	-310	601	2
5	- 7	- 7	10	36	95	125	95	68		681	-188	869	2
- 34	- 62	- 28	7	-	-	-	62	62		110	-131	241	2*
-	-138	- 69	21	55	69	69	34	41		131	-326	457	2*
34	- 28	- 21	28	41	34	28	34	41		166	-253	419	2
-	-	-	-	-	-	-	-	-		-	-	-	-
-	-	-	-	-	-	-	-	-		-	-	-	-
-	- 28	14	21	34	41	41	41	41		+∞	-∞	-	3*
90	124	166	110	172	145	- 34	52	207		272	-231	503	2*
90	83	83	97	131	104	83	55	48	106.3	259	14	245	0
41	48	48	62	97	97	69	34	- 21		∞	-∞	-	3*
- 21	28	69	90	-	-	-	-	-		233	260	493	2*
82.8	80.0	96.6	100.8	103.2	111.8	88.4	64.8	46.6	88.7				

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^-		
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	4.94	-
-	-	-	-	-	35,750
-	-	-	-	-	25,250
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	20,500
-	-	-	-	-	-
-	-	-	-	-	45,000
-	-	-	-	6.67	-
-	-	-	-	5.14	-
-	-	-	-	-	-
-	-	-	-	-	23,250
-	-	-	-	3.62	-
-	-	-	-	-	9,750
-	-	-	-	-	17,750
-	-	-	-	-	12,750
-	-	-	-	-	6,750
-	-	-	-	-	43,500
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	31,750
-	-	-	-	-	-
-	-	-	-	-	23,250
-	-	-	-	6.13	113,500
-	-	-	-	-	13,000
-	-	-	-	-	71,500
-	-	-	-	5.30	32,883

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	0.68	0.99	0.84	0.85	1.00	0.84	0.70	0.74	0.66	0.87	0.86	0.80
2	0.78	0.74	0.69	0.60	0.72	0.76	0.88	1.20	0.58	0.69	0.96	0.90
3	1.21	1.32	1.15	0.98	0.74	1.00	0.72	0.40	0.35	0.33	0.68	0.82
4	-	-	-	-	-	-	-	-	-	-	0.69	0.76
5	0.92	0.95	1.07	0.84	0.84	0.68	0.56	0.54	0.59	0.68	0.70	0.73
6	-	-	-	-	-	-	-	-	1.21	1.00	1.03	0.89
7	0.41	0.47	0.58	0.86	1.20	1.08	1.21	1.07	1.15	1.07	0.87	0.91
8	-	-	-	-	-	-	-	-	-	-	0.53	0.49
9	0.48	0.52	0.54	0.57	0.49	0.49	0.79	0.48	0.31	0.33	0.56	0.68
10	0.53	-	-	-	-	-	-	-	1.04	0.96	0.78	0.74
11	-	-	-	-	-	-	-	-	1.34	1.20	1.14	1.14
12	1.11	0.96	1.50	1.28	-	-	-	-	1.16	0.62	0.64	0.70
13	0.75	1.04	0.92	1.08	-	-	-	-	1.16	0.84	0.69	0.78
14	1.13	1.18	1.38	1.08	1.60	1.36	1.15	1.13	0.99	1.20	1.14	1.22
15	0.84	0.95	1.00	1.14	1.26	1.52	1.13	1.14	1.00	1.24	1.18	1.12
16	0.98	1.07	0.68	0.57	0.47	0.44	0.54	0.83	0.90	0.98	0.90	0.88
17	1.32	1.35	1.30	1.42	1.22	1.36	1.25	1.08	1.09	1.00	0.93	1.06
18	1.44	1.38	1.38	1.40	1.40	-	-	-	1.10	1.06	1.00	1.09
19	1.20	1.46	1.60	1.50	1.37	1.38	1.43	1.36	1.20	0.96	0.99	1.12
20	-	-	-	-	-	-	-	-	0.76	1.06	1.12	0.92
21	1.21	1.12	1.23	1.18	1.43	1.66	1.82	1.40	1.00	0.91	1.00	0.93
22	0.98	1.16	1.17	1.52	1.24	1.28	1.24	1.26	1.08	-	-	-
23	1.05	1.33	1.18	0.95	1.12	1.06	0.98	1.01	1.00	0.76	0.61	0.59
24	0.81	1.05	-	-	-	-	-	-	1.13	1.06	0.92	0.90
25	0.93	1.06	0.98	1.04	0.79	0.91	0.81	0.91	1.23	0.90	0.82	0.97
26	1.65	1.34	1.58	1.75	1.61	1.65	1.71	1.46	1.15	0.97	0.79	0.64
27	1.22	0.74	-	-	-	-	-	0.70	0.98	-	0.95	0.98
28	0.82	1.04	1.04	0.80	0.90	0.93	1.02	0.92	1.04	0.87	0.78	0.70
29	0.97	-	-	-	-	-	-	1.38	1.44	1.30	1.04	1.06
30	1.24	1.66	1.12	-	-	-	-	-	0.90	1.07	0.98	1.12
31	0.65	0.64	0.66	0.69	0.60	0.78	0.76	0.60	0.54	0.53	0.49	0.47
Promedio	0.97	1.06	1.07	1.05	1.05	1.06	1.04	0.98	0.97	0.90	0.86	0.87

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	0.74	1.20	1.01	0.91	1.08	0.74	0.62	0.70	0.67	0.87	0.77	0.80
2	0.77	0.62	0.64	0.58	0.89	0.64	0.86	1.00	0.76	0.62	0.84	0.80
3	1.23	1.41	1.23	1.18	1.24	1.01	0.48	0.44	0.30	0.34	0.49	0.92
4	-	-	-	-	-	-	-	-	-	-	0.73	0.72
5	0.64	0.70	0.84	0.67	0.64	0.52	0.46	0.48	0.59	0.66	0.82	0.83
6	-	-	-	-	-	-	-	-	1.18	1.06	1.07	0.89
7	0.36	0.40	0.58	0.78	0.96	0.99	1.21	1.08	1.26	0.82	1.02	0.88
8	-	-	-	-	-	-	-	-	-	1.36	0.48	0.46
9	0.40	0.50	0.51	0.46	0.46	0.44	0.64	0.34	0.98	0.96	0.84	0.92
10	0.37	-	-	-	-	-	-	-	0.72	0.74	0.70	0.66
11	-	-	-	-	-	-	-	-	1.07	1.09	1.35	0.94
12	0.78	0.75	1.73	1.36	-	-	-	-	0.95	0.64	0.57	0.59
13	0.66	0.85	1.09	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	1.16	0.85	0.86	0.87
17	1.12	1.18	1.18	1.38	1.40	1.25	1.05	-	-	1.06	1.14	0.94
18	1.28	1.14	1.21	1.23	1.25	-	-	-	1.01	1.01	1.01	1.00
19	1.40	1.44	1.62	1.29	1.44	1.59	1.42	1.15	-	-	-	-
20	-	-	-	-	-	-	-	-	1.08	0.87	1.01	0.94
21	0.77	0.86	0.69	0.90	1.02	-	1.40	1.20	1.04	0.88	0.88	0.74
22	0.80	1.00	1.09	1.34	1.14	1.04	1.12	1.27	1.28	-	-	-
23	0.96	1.33	0.96	0.82	1.20	1.10	0.94	1.02	0.86	0.69	0.59	0.55
24	1.00	1.32	-	-	-	-	-	-	1.10	0.96	0.84	0.94
25	0.98	0.82	1.02	0.98	0.79	1.02	0.86	0.87	1.10	0.96	0.74	0.98
26	1.46	1.22	1.30	1.76	1.29	1.48	1.78	1.33	1.06	1.02	0.94	1.02
27	1.04	-	-	-	-	-	-	0.85	0.81	1.73	1.32	0.78
28	0.78	0.86	0.84	0.69	0.92	0.92	0.94	0.96	1.02	0.89	0.70	0.66
29	1.12	-	-	-	-	-	-	1.37	1.56	1.26	1.20	1.05
30	1.22	1.60	1.20	-	-	-	-	-	0.86	1.10	0.90	1.00
31	0.62	0.62	0.60	0.55	0.60	0.69	0.68	0.73	0.60	0.46	0.48	0.46
Promedio	0.89	0.99	1.02	0.99	1.02	0.96	0.96	0.92	0.96	0.92	0.86	0.82

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
0.79	0.82	0.90	0.86	0.98	0.98	0.74	0.96	0.68	0.60	0.66	0.66	0.81
0.98	0.97	1.18	1.08	1.08	1.09	0.98	0.60	0.52	0.58	0.55	0.84	0.83
0.98	0.74	0.80	0.78	0.82	1.06	0.58	-	-	-	-	-	0.81
0.71	0.60	0.55	0.64	0.69	0.62	0.76	0.73	0.97	0.70	0.80	0.68	0.71
0.76	0.61	0.65	0.65	0.60	0.74	0.72	-	-	-	-	-	0.73
0.74	0.78	0.87	0.82	0.82	0.70	0.86	0.35	0.52	0.72	0.57	0.58	0.78
1.03	1.06	1.14	1.23	1.26	-	-	-	-	-	-	-	0.98
0.38	0.45	0.54	0.46	0.40	0.40	0.50	0.42	0.38	0.36	0.56	0.54	0.46
0.78	1.10	1.51	0.64	0.78	0.76	1.05	1.10	1.02	0.52	0.47	0.49	0.68
0.86	1.02	0.89	-	-	-	-	-	-	-	-	-	0.85
1.12	0.65	0.72	1.10	0.89	1.03	1.23	0.74	0.74	0.51	0.80	0.93	0.96
0.56	0.72	0.71	0.87	0.76	0.82	0.78	0.66	0.71	0.86	0.87	0.56	0.84
0.70	0.74	0.80	0.80	0.86	0.93	0.85	0.54	0.61	0.70	0.82	0.84	0.82
1.18	1.07	0.95	1.10	0.94	1.14	0.90	0.70	0.54	0.48	0.52	0.66	1.03
1.13	1.17	1.14	1.02	1.09	0.85	0.86	0.96	0.59	0.64	0.68	0.86	1.02
0.90	0.80	1.02	1.00	1.05	1.13	1.04	0.61	1.51	1.30	1.46	1.46	0.94
1.06	1.16	1.12	1.06	1.00	1.04	1.00	1.36	1.15	1.21	1.26	1.48	1.18
1.00	1.00	1.02	0.97	1.02	0.92	1.00	1.20	1.22	1.02	1.10	1.08	1.13
1.22	1.18	1.22	1.22	1.18	1.27	1.25	1.44	1.39	1.35	1.32	1.70	1.30
0.96	0.95	0.97	0.87	0.96	0.76	0.88	0.68	1.06	1.04	0.86	1.16	0.94
0.87	1.07	0.86	0.70	0.86	0.80	0.91	0.86	1.06	0.60	0.86	1.55	1.08
-	-	-	1.30	-	0.78	1.04	1.02	0.88	0.99	1.25	1.10	1.13
0.61	0.68	0.49	0.45	0.56	0.56	1.00	0.85	0.66	0.39	0.60	0.72	0.80
0.90	0.91	0.79	-	0.36	0.54	0.70	0.95	0.69	0.62	0.66	0.80	0.81
0.97	0.88	0.88	0.94	1.12	1.20	1.20	1.30	1.22	1.23	1.25	1.40	1.04
0.69	0.68	0.71	0.71	0.84	0.94	1.17	1.12	1.02	0.91	0.92	0.88	1.12
1.22	1.30	1.07	1.28	1.05	1.05	1.04	0.58	0.48	0.57	0.91	0.82	0.94
0.88	0.99	0.98	0.95	0.98	0.97	1.23	0.77	0.62	0.49	0.64	0.48	0.87
1.06	0.84	0.58	0.48	0.40	0.54	0.58	0.46	0.79	0.86	0.80	0.82	0.86
0.96	-	-	-	1.27	-	-	1.12	0.87	1.32	0.95	0.70	1.09
0.43	0.36	0.46	0.47	0.50	0.46	0.49	0.68	0.54	0.40	0.77	0.90	0.58
0.88	0.87	0.88	0.87	0.87	0.86	0.90	0.84	0.83	0.78	0.85	0.91	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
0.74	0.79	0.84	0.84	0.93	0.92	0.64	0.68	0.62	0.48	0.50	0.72	0.78
0.90	0.94	1.04	1.00	0.96	0.90	0.87	0.53	0.48	0.50	0.48	0.82	0.77
0.91	0.74	0.73	0.73	0.72	0.98	0.87	-	-	-	-	-	0.84
0.60	0.51	0.50	0.60	0.62	0.60	0.66	0.64	1.02	0.68	0.78	0.52	0.66
0.66	0.55	0.55	0.55	0.58	0.79	0.66	-	-	-	-	-	0.64
0.69	0.80	0.76	0.72	0.76	0.60	0.80	0.46	0.51	0.66	0.49	0.46	0.74
0.86	1.00	1.12	1.20	0.69	-	-	-	-	-	-	-	0.89
0.36	0.48	0.48	0.42	0.39	0.32	0.38	0.37	0.30	0.32	0.48	0.42	0.47
0.74	1.34	1.51	0.82	0.69	1.41	1.00	1.24	1.10	0.64	0.52	0.36	0.78
0.86	0.98	0.92	0.77	-	-	-	-	-	-	-	-	0.75
0.82	0.68	0.67	0.70	0.74	0.78	0.62	0.48	0.53	0.46	0.79	0.88	0.79
0.40	0.69	0.69	0.79	0.66	0.66	0.62	0.46	0.53	0.73	0.72	0.64	0.75
-	-	-	-	-	-	-	-	-	-	-	-	0.87
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
0.82	0.76	0.90	0.88	0.92	0.92	0.92	0.74	1.50	0.83	1.28	1.28	0.97
1.16	1.14	1.06	1.09	1.04	1.10	1.06	1.10	1.11	1.05	1.14	1.31	1.14
0.94	0.90	0.80	0.90	0.96	0.73	0.90	1.00	1.06	0.86	0.80	0.84	0.99
-	-	-	1.38	1.27	1.28	1.31	1.60	1.21	1.54	1.28	1.82	1.41
0.98	0.93	0.86	0.88	0.84	0.76	0.74	0.64	0.88	0.80	0.73	1.04	0.87
0.74	0.82	0.64	0.72	0.73	0.70	0.82	0.76	0.82	0.51	0.90	1.41	0.87
-	-	-	1.36	0.60	0.71	1.01	0.78	0.82	0.92	1.22	1.01	1.03
0.62	0.62	0.50	0.46	0.50	0.67	0.96	0.77	0.56	0.34	0.48	0.56	0.75
0.98	0.91	0.74	0.45	0.34	0.48	0.87	0.78	0.64	0.64	0.64	0.90	0.81
0.85	0.84	0.84	0.93	1.14	1.16	1.30	1.22	1.22	1.27	1.37	1.38	1.03
0.88	0.84	0.77	0.80	0.89	0.95	1.16	1.11	0.96	0.92	0.89	0.90	1.11
1.08	1.22	1.02	1.06	1.00	0.72	0.64	0.40	0.46	0.56	0.77	0.69	0.90
0.91	0.96	0.91	0.89	0.92	0.90	1.16	0.60	0.55	0.42	0.60	0.42	0.81
0.96	0.82	0.60	0.55	0.44	0.55	0.57	0.46	0.77	0.82	0.66	0.90	0.87
0.99	-	-	-	1.30	-	-	1.13	0.94	0.99	0.84	0.64	1.05
0.42	0.36	0.44	0.50	0.44	0.46	0.46	0.68	0.48	0.43	0.76	0.84	0.56
0.80	0.82	0.80	0.81	0.78	0.80	0.84	0.78	0.79	0.72	0.80	0.86	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	260	173	86	217	217	347	347	1275	1194	434	434	347
2	707	744	782	782	782	738	951	911	1035	738	995	825
3	707	707	707	390	695	521	434	390	347	347	477	908
4	-	-	-	-	-	-	-	-	-	707	707	521
5	608	608	434	303	174	390	260	390	390	707	657	347
6	260	651	782	955	908	868	950	1234	1194	995	911	707
7	390	347	434	521	781	782	1035	1114	1155	1035	744	707
8	563	434	521	521	608	563	614	1114	787	707	608	477
9	307	-	130	-	-	-	-	347	260	260	-	657
10	260	217	86	260	347	390	695	951	1234	1114	608	521
11	782	707	608	608	707	707	995	1195	1275	1234	1115	1035
12	871	1275	614	868	868	955	1194	1234	868	608	521	521
13	521	521	477	608	608	521	787	868	744	347	390	347
14	744	744	868	955	995	995	1195	1275	1075	951	868	782
15	521	608	614	868	955	995	1154	1194	1035	1035	1035	955
16	563	608	477	347	347	347	434	871	911	744	707	608
17	782	707	707	782	782	782	782	868	1115	1075	1035	782
18	955	782	868	955	868	825	831	744	1115	1194	1115	1035
19	657	744	868	1075	868	868	1315	1354	1194	868	782	782
20	868	955	1035	955	825	782	1155	1035	1115	1035	868	707
21	521	434	521	434	347	434	608	868	707	608	521	434
22	347	434	477	608	477	434	738	949	949	782	-	-
23	174	174	86	174	260	260	521	868	782	608	608	521
24	260	174	303	563	608	608	911	955	955	1035	955	868
25	434	521	434	347	390	434	347	434	434	390	434	434
26	782	657	707	868	911	871	1275	1194	995	744	563	390
27	521	260	347	434	347	347	434	707	390	434	608	991
28	434	434	521	434	521	521	608	707	744	782	657	521
29	260	260	260	303	390	434	563	563	707	744	563	434
30	608	608	521	707	521	521	563	707	707	608	521	608
31	-	-	-	-	-	-	434	260	174	174	174	174
Promedio	540	553	527	601	611	616	763	885	853	768	696	631

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	861	1630	1425	1046	752	715	376	1254	932	231	269	-
2	564	676	752	828	866	1052	1052	940	1048	753	978	752
3	451	376	677	676	789	526	338	193	188	231	300	740
4	-	-	-	-	-	-	-	-	-	677	676	676
5	269	226	188	226	226	312	312	-	419	828	714	602
6	381	563	1255	1120	790	602	1071	1390	1435	1086	902	790
7	150	188	376	381	457	381	714	1390	1324	1120	866	828
8	828	752	639	602	564	639	639	1082	1014	676	526	526
9	602	676	866	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	226	150	188	226	226	188	451	676	752	338	381	344
14	601	551	639	752	752	864	1492	1630	1320	1120	976	828
15	413	376	419	715	828	902	1289	1390	1320	1250	1120	1052
16	381	376	269	150	150	150	193	932	976	676	526	564
17	639	526	602	602	602	564	602	752	1120	1120	1188	828
18	639	564	526	677	752	602	576	564	1120	1250	1188	1052
19	413	419	338	344	526	639	1183	1460	1390	828	828	828
20	828	866	905	905	676	676	1186	1082	1390	976	752	676
21	226	226	226	150	226	226	226	715	526	451	564	376
22	188	188	269	376	312	269	751	1188	1320	1120	-	-
23	376	451	338	188	312	451	676	1014	828	602	602	526
24	150	150	226	312	451	602	1052	1250	1250	1250	1082	1188
25	312	339	376	312	312	312	226	312	376	451	339	451
26	526	226	150	602	451	640	1250	1289	1219	1154	828	-
27	-	-	-	-	-	-	-	-	640	828	790	-
28	376	312	312	312	451	526	602	868	955	955	782	608
29	226	-	-	-	-	-	-	489	676	676	526	344
30	602	526	752	602	526	526	526	602	312	312	226	-
31	-	-	-	-	-	-	-	-	-	226	312	312
Promedio	449	472	530	526	522	538	730	977	954	785	702	677

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	347	347	347	434	434	434	434	521	608	608	608	450
911	955	868	782	707	744	521	347	347	347	347	477	722
738	434	434	347	434	434	130	-	-	-	-	-	504
608	608	521	707	707	782	521	521	303	434	390	608	583
521	521	608	563	434	390	390	260	-	174	347	260	424
782	782	868	707	657	608	434	347	347	347	347	347	708
695	614	782	707	-	-	-	-	-	-	614	521	721
390	390	390	434	477	563	521	347	434	260	307	347	516
570	651	1035	477	434	527	608	608	527	174	174	217	442
608	707	570	782	831	657	514	521	434	260	521	707	574
1035	868	782	608	434	608	434	434	434	347	608	657	759
521	434	434	434	477	521	521	521	434	477	521	521	676
434	608	608	390	608	521	521	347	347	347	390	521	516
787	707	782	707	707	608	521	434	347	347	347	390	755
955	782	707	707	614	657	608	434	347	434	347	521	753
657	707	707	695	744	782	521	174	707	608	707	782	615
868	955	911	744	695	608	651	744	782	782	868	955	823
1115	821	955	868	782	707	707	608	608	707	707	608	853
608	707	868	782	782	782	782	868	782	955	782	955	876
707	707	608	521	521	521	521	434	434	434	434	521	737
434	563	521	521	521	434	434	434	390	303	347	304	485
-	-	-	-	434	521	608	521	521	521	608	434	576
521	434	260	260	260	434	434	434	347	260	347	347	390
707	477	477	434	347	434	521	434	434	347	347	390	564
434	347	434	434	563	608	707	608	608	608	657	707	490
217	347	260	347	434	563	608	608	521	434	434	347	628
955	868	707	707	657	744	521	347	260	-	347	347	512
707	521	563	608	521	563	521	347	347	260	260	260	515
434	434	434	347	434	434	521	390	434	434	347	434	440
521	707	-	-	-	-	434	434	347	-	-	-	567
260	260	347	347	347	347	260	260	260	347	434	521	299
635	609	593	544	552	570	514	455	450	428	465	503	597

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
-	-	226	-	-	-	150	226	344	376	451	451	651
828	790	676	602	564	413	226	226	226	226	226	526	658
639	344	312	226	312	312	526	-	-	-	-	-	429
602	602	602	602	602	526	376	-	226	150	269	226	487
526	526	526	451	526	376	312	226	226	226	312	188	380
905	790	752	639	602	602	376	226	312	376	312	226	729
689	526	828	602	-	-	-	-	-	-	-	905	690
376	312	312	376	376	451	526	451	312	226	376	413	541
-	-	-	-	-	-	-	-	-	-	-	-	715
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	226	312	312	283
376	451	451	451	376	344	312	226	226	188	226	312	337
639	556	484	414	602	488	376	269	226	226	312	312	684
905	676	676	639	526	451	312	150	150	226	226	451	686
526	602	676	602	602	602	376	376	376	376	526	639	484
828	828	864	752	676	714	715	564	526	532	602	639	724
1188	1215	905	828	602	526	451	376	312	312	376	312	705
602	828	828	828	752	676	828	676	676	602	526	905	747
676	602	602	489	526	451	376	226	226	226	226	226	657
344	488	451	376	376	312	226	150	150	150	150	112	309
-	-	-	-	451	488	526	312	413	413	526	381	527
451	602	312	312	312	339	451	376	226	226	150	226	431
905	602	602	602	451	451	376	150	226	226	226	376	590
312	312	376	451	602	526	526	451	376	376	526	376	389
-	-	-	-	-	-	-	-	-	-	-	-	758
752	752	602	419	526	526	312	312	226	451	312	226	512
782	521	608	521	434	434	312	226	150	150	150	150	479
344	639	602	526	526	526	602	376	312	312	226	451	466
-	-	-	-	-	-	-	-	-	-	-	-	501
312	376	376	376	376	376	312	226	226	312	312	376	320
631	606	569	525	509	474	412	309	290	296	327	389	550

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												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15					APARATOS en REPARACIONES							
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Promedio												

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												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15					APARATOS en REPARACIONES							
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Promedio												

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
					APARATOS en REPARACIONES							

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
					APARATOS en REPARACIONES							

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	10.6	13.6	12.1	31.8	34.8	10.6	9.1	15.1	19.7	18.1	13.6	10.6	15.1
2	16.6	16.6	15.1	13.6	13.6	12.1	6.0	4.5	15.1	12.1	9.1	4.5	13.6
3	10.6	16.6	13.6	13.6	16.6	15.1	6.0	6.0	12.1	21.2	18.1	13.6	18.1
4	-	-	-	-	-	-	-	-	-	-	-	18.1	22.7
5	13.6	12.1	16.6	12.1	13.6	18.1	9.1	10.6	13.6	16.6	21.2	19.7	19.7
6	10.6	9.1	12.1	13.6	13.6	6.0	6.0	9.1	10.6	15.1	13.6	15.1	18.1
7	15.1	15.1	15.1	15.1	15.1	10.6	9.1	9.1	7.6	10.6	12.1	15.1	15.1
8	12.1	15.1	12.1	13.6	13.6	12.1	13.6	10.6	15.1	15.1	13.6	10.6	10.6
9	13.6	15.1	15.1	15.1	15.1	9.1	10.6	6.0	21.2	28.7	33.3	34.8	36.3
10	19.7	18.1	19.7	21.2	21.2	12.1	12.1	9.1	9.1	13.6	15.1	18.1	18.1
11	12.1	9.1	7.6	12.1	13.6	-	-	-	10.6	10.6	7.6	13.6	10.6
12	-	-	-	-	-	-	-	-	21.2	21.2	12.1	9.1	9.1
13	13.6	10.6	12.1	12.1	15.1	6.0	3.0	4.5	19.7	18.1	19.7	18.1	13.6
14	13.6	15.1	12.1	12.1	9.1	9.1	13.6	18.1	-	19.7	15.1	21.2	19.7
15	13.6	15.1	13.6	12.1	13.6	10.6	9.1	6.0	9.1	13.6	12.1	19.7	13.6
16	12.1	13.6	9.1	12.1	12.1	10.6	3.0	1.5	-	-	-	-	-
17	7.6	12.1	13.6	16.6	15.1	10.6	6.0	10.6	13.6	15.1	13.6	12.1	9.1
18	10.6	16.6	15.1	15.1	16.6	12.1	12.1	12.1	13.6	13.6	16.6	19.7	18.1
19	15.1	15.1	12.1	15.1	19.7	12.1	10.6	7.6	12.1	15.1	18.1	16.6	12.1
20	12.1	12.1	10.6	12.1	10.6	6.0	6.0	4.5	4.5	7.6	7.6	9.1	9.1
21	6.0	9.1	4.5	3.0	3.0	1.5	- 1.6	- 4.8	- 3.2	3.0	4.5	4.5	9.1
22	3.0	6.0	3.0	3.0	3.0	1.5	- 1.6	- 4.5	1.5	4.5	-	-	-
23	6.0	4.5	4.5	4.5	6.0	3.0	1.5	1.5	4.5	7.6	9.1	13.6	12.1
24	6.0	6.0	6.0	3.0	4.5	1.5	4.5	- 1.6	6.0	3.0	4.5	4.5	9.1
25	15.1	7.6	7.6	6.0	4.5	1.5	3.0	3.0	7.6	10.6	6.0	6.0	3.0
26	12.1	13.6	9.1	-	-	-	-	1.5	6.0	10.6	6.0	12.1	7.6
27	3.0	1.5	4.5	3.0	3.0	- 3.2	- 4.8	- 1.6	4.5	13.6	13.6	12.1	7.6
28	9.1	7.6	7.6	3.0	3.0	3.0	3.0	- 1.6	4.5	9.1	7.6	9.1	9.1
29	10.6	9.1	7.6	7.6	9.1	3.0	6.0	1.5	4.5	7.6	7.6	9.1	3.0
30	13.6	7.6	12.1	12.1	18.1	16.6	10.6	9.1	-	-	15.1	13.6	12.1
31	15.1	12.1	12.1	13.6	15.1	9.1	9.1	3.0	13.6	13.6	15.1	12.1	7.6
Prom	11.5	11.6	10.9	11.7	12.6	8.2	6.5	5.4	9.9	13.2	12.9	13.6	13.2
Var.	1.6	1.7	1.0	1.8	2.7	- 1.7	- 3.4	- 4.5	0.0	3.3	3.0	3.7	3.3

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	-32.7	-28.4	-29.8	-28.4	-27.0	-34.1	-31.2	-27.0	-29.8	-32.7	-32.7	-36.7	-25.6
2	-22.7	-24.1	-27.0	-27.0	-28.4	-32.7	-34.1	-32.7	-31.7	-38.3	-38.3	-34.1	-28.4
3	-24.1	-24.1	-25.6	-27.0	-27.0	-28.4	-32.7	-29.8	-32.7	-31.2	-34.1	-28.4	-24.1
4	-	-	-	-	-	-	-	-	-	-	-	-34.1	-24.1
5	-28.4	-27.0	-25.6	-25.6	-27.0	-27.0	-35.5	-31.2	-32.7	-34.1	-32.7	-32.7	-28.4
6	-27.0	-29.8	-25.6	-28.4	-29.8	-32.7	-29.8	-29.8	-28.4	-24.1	-25.6	-22.7	-21.3
7	-25.6	-24.1	-25.6	-25.6	-27.0	-29.8	-29.8	-31.2	-31.2	-28.4	-29.8	-25.6	-27.0
8	-31.2	-24.1	-27.0	-27.0	-27.0	-31.2	-28.4	-29.8	-29.8	-29.8	-31.2	-29.8	-27.0
9	-25.6	-25.6	-25.6	-27.0	-29.8	-31.2	-31.2	-31.2	-18.5	-15.6	-15.6	-15.6	-15.6
10	-28.4	-27.0	-28.4	-28.4	-29.8	-34.1	-32.7	-32.7	-32.7	-28.4	-28.4	-29.8	-28.4
11	-29.8	-29.8	-31.2	-29.8	-29.8	-32.7	-	-	-29.8	-31.2	-31.2	-29.8	-29.8
12	-	-	-	-	-	-	-	-	-29.8	-32.7	-28.4	-27.0	-28.4
13	-21.3	-24.1	-24.1	-24.1	-25.6	-32.7	-29.8	-28.4	-28.4	-28.4	-24.1	-19.9	-19.9
14	-24.1	-22.7	-25.6	-22.7	-25.6	-28.4	-27.0	-25.6	-	-25.6	-28.4	-25.6	-22.7
15	-21.3	-22.7	-21.3	-21.3	-22.7	-24.1	-25.6	-25.6	-24.1	-18.5	-19.9	-18.5	-22.7
16	-18.5	-19.9	-21.3	-19.9	-19.9	-19.9	-25.6	-24.1	-24.1	-	-	-	-
17	-19.9	-18.5	-19.9	-18.5	-17.0	-19.9	-24.1	-21.3	-17.0	-15.6	-21.3	-19.9	-17.0
18	-19.9	-18.5	-18.5	-18.5	-15.6	-21.3	-18.5	-19.9	-19.9	-19.9	-15.6	-14.2	-14.2
19	-18.5	-18.5	-21.5	-19.9	-19.9	-25.6	-21.3	-22.7	-21.3	-18.5	-17.0	-18.5	-19.9
20	-19.9	-19.9	-21.3	-21.3	-24.1	-24.1	-25.6	-24.1	-21.3	- 9.5	1.6	- 3.1	- 3.1
21	- 4.7	- 3.1	3.2	7.9	7.9	- 7.9	- 3.1	- 4.7	- 4.7	- 3.1	- 4.7	-11.0	- 9.4
22	- 9.4	- 3.1	1.6	-12.6	- 9.4	- 9.4	-12.6	-15.6	- 9.4	- 7.8	-	-	-
23	- 3.1	- 3.1	- 6.3	- 9.4	- 9.4	- 7.8	- 9.4	- 7.8	-12.6	- 7.8	- 6.3	- 4.7	- 9.4
24	- 3.1	- 1.6	1.6	- 9.4	-11.0	-11.0	-11.0	- 7.8	- 6.3	- 4.7	- 7.8	- 7.8	- 7.8
25	- 4.7	- 4.7	- 7.8	-15.6	-12.6	-11.0	- 7.8	- 9.4	- 9.4	-11.0	- 7.8	- 6.3	- 4.7
26	- 2.8	- 1.4	- 2.8	-	-	-	-	- 5.7	- 8.5	- 8.5	- 9.9	- 9.9	- 9.9
27	- 2.8	- 1.5	- 2.8	- 5.7	5.7	5.7	- 1.4	- 4.3	- 4.3	- 9.9	22.8	29.9	21.4
28	- 4.3	- 2.8	- 4.3	- 7.1	- 8.5	- 4.3	- 4.3	- 5.7	- 7.1	- 7.1	- 7.1	- 8.5	- 4.3
29	17.1	31.2	32.7	32.7	37.0	32.8	12.8	- 1.4	- 4.3	- 2.8	- 4.3	- 2.8	- 2.8
30	-15.7	-18.5	-12.8	-15.7	-15.7	-18.5	-20.0	-21.4	-	-	-15.7	-17.0	-18.5
31	-14.2	-15.6	-14.2	-17.0	-17.0	-21.3	-21.3	-21.3	-15.6	-15.6	-11.4	-19.9	-18.5
Prom	-16.8	-15.6	-15.7	-17.6	-17.4	-20.1	-20.4	-20.5	-20.2	-19.3	-18.0	-18.1	-16.9
Var.	1.8	3.0	2.9	1.0	1.2	- 1.5	- 1.8	- 1.9	- 1.6	- 0.7	0.6	0.5	1.7

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
10.6	6.0	7.6	3.0	7.6	7.6	10.6	3.0	16.6	21.2	13.6	13.4	2
13.6	6.0	3.0	4.5	3.0	4.5	16.6	12.1	18.1	19.7	13.6	11.1	2
15.1	10.6	7.6	6.0	7.6	16.6	-	-	-	-	-	12.9	1
22.7	27.2	18.1	16.6	9.1	10.6	19.7	19.7	16.6	24.2	25.7	19.3	2
16.6	16.6	16.6	12.1	9.1	12.1	16.6	13.6	15.1	18.1	19.7	15.1	1
13.6	12.1	9.1	6.0	3.0	7.6	12.1	12.1	13.6	18.1	15.1	11.5	1
10.6	12.1	7.6	3.0	1.5	16.6	16.6	16.6	15.1	18.1	13.6	12.3	1
16.6	12.1	6.0	4.5	6.0	7.6	13.6	16.6	16.6	15.1	15.1	12.4	1
39.3	31.2	30.2	19.7	27.2	24.2	24.2	19.7	18.1	19.7	15.1	21.8	1
16.6	12.1	- 9.5	- 9.5	3.0	9.1	13.6	15.1	16.6	19.7	13.6	12.8	1
12.1	12.1	10.6	3.0	3.0	4.5	6.0	10.6	18.0	-	-	9.9	1
15.1	15.1	10.6	6.0	9.1	10.6	12.1	7.6	13.6	15.1	13.6	12.6	2
10.6	3.0	1.5	6.0	3.0	3.0	9.1	13.6	13.6	15.1	13.6	10.9	2
16.6	15.1	9.1	6.0	7.6	12.1	9.1	15.1	18.1	19.7	13.6	13.9	1
10.6	7.6	7.6	6.0	10.6	15.1	10.6	10.6	10.6	16.6	13.6	11.7	1
-	-	-	-	-	-	-	-	12.1	12.1	12.1	10.0	1
9.1	7.6	9.1	12.1	12.1	10.6	9.1	13.6	16.6	18.1	12.1	11.9	1
15.1	10.6	6.0	4.5	15.1	12.1	13.6	13.6	12.1	15.1	12.1	13.4	1
12.1	6.0	6.0	3.0	1.5	6.0	9.1	10.6	12.1	16.6	13.6	11.6	1
6.0	3.0	1.5	- 1.6	- 4.8	- 3.2	3.0	4.5	6.0	6.0	3.0	5.6	2
9.1	- 3.2	- 4.8	- 6.4	- 6.4	- 1.6	3.0	3.0	1.5	7.6	4.5	1.9	1
-	-	-	- 3.2	3.0	4.5	6.0	6.0	9.1	9.1	9.1	3.5	1
9.1	4.5	1.5	- 1.6	3.0	3.0	4.5	6.0	3.0	1.5	4.5	4.9	1
6.0	6.0	6.0	- 9.5	3.0	3.0	3.0	3.0	3.0	6.0	6.0	3.9	2
1.5	- 1.6	- 4.8	- 6.2	- 3.2	- 1.6	1.5	1.5	6.0	7.6	9.1	3.8	1
3.0	- 3.2	- 3.2	- 3.2	3.0	4.5	3.0	- 3.2	4.5	4.5	3.0	4.6	1
6.0	3.0	1.5	- 1.6	- 4.8	-23.8	-12.7	6.0	12.1	9.1	7.6	2.5	2
3.0	3.0	4.5	1.5	1.5	- 4.8	6.0	4.5	9.1	16.6	7.6	5.2	1
- 3.2	- 4.8	1.5	3.0	4.5	4.5	4.5	6.0	16.6	15.1	15.1	6.2	2
7.6	15.1	-	10.6	-	-	-	9.1	13.6	15.1	12.1	12.4	2
6.0	4.5	6.0	1.5	1.5	6.0	12.1	10.6	12.1	9.1	9.1	9.6	1
11.4	8.7	5.9	3.2	4.8	6.2	9.1	9.7	12.3	14.1	11.7	9.9	
1.5	- 1.2	- 4.0	- 6.7	- 5.1	- 3.7	- 0.8	- 0.2	2.4	4.2	1.8		

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
-27.0	-29.8	-27.0	-32.7	-31.2	-28.4	-28.4	-31.2	-24.1	-24.1	-25.6	-29.4	1
-28.4	-29.8	-32.7	-29.8	-29.8	-29.8	-27.0	-24.1	-22.7	-24.1	-27.0	-29.4	1
-25.6	-28.4	-29.8	-28.4	-28.4	-24.1	-	-	-	-	-	-28.1	0
-25.6	-28.4	-32.7	-32.7	-32.7	-28.4	-24.1	-25.6	-27.0	-22.7	-22.7	-27.8	1
-29.8	-31.2	-34.1	-35.5	-34.1	-29.8	-25.6	-29.8	-29.8	-27.0	-24.1	-29.9	0
-25.6	-24.1	-27.0	-28.4	-29.8	-29.8	-27.0	-25.6	-24.1	-24.1	-25.6	-26.9	0
-28.4	-29.8	-27.0	-31.2	-34.1	-24.1	-27.0	-27.0	-29.8	-25.6	-29.8	-28.1	0
-25.6	-29.8	-31.2	-31.2	-29.8	-28.4	-24.1	-21.3	-21.3	-24.1	-28.4	-27.8	0
-14.2	-15.6	-17.0	-22.7	-21.3	-24.1	-25.6	-25.6	-25.6	-25.6	-28.4	-23.1	0
-29.8	-31.2	-35.5	-38.3	-34.1	-32.7	-32.7	-28.4	-22.7	-22.7	-29.8	-30.3	1
-29.8	-35.5	-36.9	-36.9	-34.1	-35.5	-32.7	-29.8	-25.6	-	-	-31.6	1
-29.8	-32.7	-31.2	-28.4	-25.6	-29.8	-29.8	-25.6	-24.1	-21.3	-22.7	-28.0	1
-22.7	-25.6	-34.1	-28.4	-25.6	-25.6	-27.0	-21.3	-22.7	-21.3	-25.6	-25.4	2
-29.8	-27.0	-34.1	-27.0	-27.0	-24.1	-25.6	-21.3	-17.0	-17.0	-21.3	-25.0	1
-21.3	-22.7	-24.1	-24.1	-25.6	-25.6	-25.6	-21.3	-21.3	-18.5	-21.3	-22.5	0
-	-	-	-	-	-	-	-	-21.3	-21.3	-25.6	-21.8	1
-17.0	-21.3	-19.9	-19.9	-18.5	-18.5	-22.7	-19.9	-17.0	-17.0	-22.7	-19.3	1
-15.6	-19.9	-21.3	-21.3	-17.0	-18.5	-18.5	-19.9	-15.6	-15.6	-18.5	-18.0	1
-19.9	-22.7	-22.7	-22.7	-22.7	-21.3	-22.7	-19.9	-21.3	-17.0	-19.9	-20.7	0
- 6.3	- 1.6	- 4.7	- 4.7	- 4.7	- 6.3	- 3.1	- 1.6	- 3.1	- 3.2	- 3.1	-10.6	2
- 3.1	- 7.8	- 1.6	- 6.3	- 7.8	- 6.3	-11.0	-12.6	- 9.4	- 6.3	- 3.1	- 4.7	2
-	-	-	-11.0	-11.0	-25.1	-14.1	-14.1	-12.6	- 7.8	- 4.7	-10.4	2
- 9.4	- 7.8	- 9.4	- 9.4	-12.6	-15.7	-12.6	-12.6	- 9.4	- 9.4	- 3.1	- 8.7	1
- 9.4	- 7.8	- 7.8	-11.0	-12.6	- 6.3	-11.0	- 7.8	-12.6	- 9.4	- 6.3	- 7.9	1
- 3.1	- 4.7	- 6.3	- 7.8	- 7.8	- 9.4	-14.1	-12.6	-12.6	-11.0	- 6.3	- 8.7	1
- 7.1	- 5.7	- 4.3	- 8.5	- 7.1	- 8.6	- 7.1	- 7.1	- 2.8	- 4.3	- 5.7	- 6.4	1
12.8	8.6	- 2.8	- 5.7	- 5.7	- 4.3	- 7.1	- 2.8	- 4.3	- 4.3	- 2.8	1.4	2
- 6.0	- 1.4	- 4.3	- 5.7	- 5.7	- 8.5	- 8.6	- 5.7	- 5.7	- 1.4	- 4.3	- 5.5	1
- 4.3	- 4.3	- 5.7	- 8.6	- 7.1	- 7.1	- 8.5	- 4.3	-12.8	-14.2	-17.0	3.5	2
-18.5	-15.7	-	-20.0	-	-	-	-20.0	-17.0	-11.4	-10.0	-16.8	1
-19.9	-15.6	-14.2	-17.0	-19.9	-17.0	-14.2	-14.2	-12.8	-14.2	-11.4	-16.4	1
-17.9	-18.8	-20.7	-21.2	-20.8	-20.4	-19.9	-18.4	-17.6	-16.1	-17.1	-18.6	
0.7	- 0.2	- 2.1	- 2.6	- 2.2	- 1.8	- 1.3	0.2	1.0	2.5	1.5		

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	56.3	56.1	56.1	56.1	56.3	56.4	56.4	56.7	56.4	56.3	56.2	55.9	55.4	55.2	54.7
2	55.3	55.3	55.7	55.8	56.3	56.6	57.0	57.2	57.2	57.2	57.2	57.3	56.7	56.1	55.7
3	54.0	53.6	54.1	56.2	56.1	56.0	55.8	55.8	56.1	55.6	55.6	55.8	55.5	55.4	55.1
4	58.7	58.7	58.9	59.4	60.3	60.0	61.0	61.4	61.5	61.8	62.0	61.9	62.0	61.9	61.3
5	59.3	58.9	58.5	58.4	58.4	58.3	58.3	58.0	58.1	58.3	58.3	58.1	58.0	57.6	57.4
6	55.6	55.8	56.0	55.8	55.7	56.1	56.1	56.0	56.1	55.8	55.6	55.2	54.7	54.4	54.1
7	53.9	53.5	53.5	54.0	54.3	55.1	55.5	55.7	55.6	55.5	55.3	55.4	55.8	55.6	55.4
8	60.0	60.2	60.6	60.9	61.6	61.0	62.3	63.2	63.3	63.1	62.9	62.8	62.4	62.2	61.7
9	60.5	60.1	60.1	60.9	60.4	60.2	60.4	60.8	60.5	60.7	61.0	60.4	60.1	59.8	59.0
10	55.7	55.2	54.3	54.0	54.6	54.6	54.4	54.6	54.0	53.6	53.4	52.8	52.1	51.4	51.5
11	53.1	53.1	53.4	53.5	53.9	54.4	54.7	55.2	55.3	55.4	55.4	55.2	55.2	55.2	55.0
12	59.6	59.1	59.4	59.9	60.6	61.5	61.5	62.5	62.6	62.7	62.5	62.4	62.3	62.5	62.5
13	64.0	63.8	63.9	64.0	64.4	64.7	64.8	65.4	65.4	65.1	64.7	64.5	64.0	63.3	62.7
14	61.0	60.5	60.0	60.1	60.1	60.4	60.3	60.6	60.4	60.2	59.9	59.5	58.9	58.6	57.9
15	56.3	56.2	56.0	56.0	56.1	56.3	56.4	56.8	56.6	56.4	56.2	55.6	55.2	54.6	54.0
16	53.9	53.3	52.9	52.9	53.1	53.2	53.4	53.4	53.5	53.4	53.3	53.1	52.9	52.8	52.8
17	56.2	56.2	56.3	57.2	57.8	58.2	57.9	57.8	59.7	59.5	59.3	59.0	58.8	58.5	58.4
18	60.7	60.4	60.2	60.2	60.4	60.6	60.7	60.8	60.8	60.6	60.4	60.1	59.8	59.5	58.9
19	58.6	58.4	58.1	58.1	57.8	57.8	57.6	57.6	57.4	57.0	56.8	56.5	56.2	55.9	55.7
20	56.4	56.1	56.0	56.3	56.5	56.5	56.5	57.2	57.2	57.1	56.8	56.5	56.2	55.6	55.2
21	55.1	54.9	55.0	55.1	55.5	55.9	56.1	56.2	55.9	55.4	54.9	54.1	53.5	53.0	52.8
22	54.7	54.9	55.5	55.8	56.4	57.0	57.8	58.0	58.1	58.0	57.8	57.7	57.4	56.9	56.9
23	60.3	60.2	60.2	60.8	61.2	61.4	61.4	62.0	62.0	61.9	61.9	61.7	61.1	60.8	60.6
24	60.5	60.3	60.1	59.7	59.9	60.0	60.1	60.0	59.5	58.8	57.8	56.8	55.9	54.7	53.8
25	51.2	50.8	50.6	51.0	51.1	51.8	51.9	52.0	52.3	51.4	51.4	51.5	50.6	50.0	49.6
26	50.9	50.9	50.9	51.1	51.5	51.7	52.0	52.1	51.9	51.6	51.4	51.3	50.7	50.4	50.1
27	50.8	50.7	50.5	50.6	50.6	51.0	51.2	51.4	51.6	53.9	53.6	52.9	53.6	53.2	52.7
28	56.6	56.1	55.7	55.9	56.1	56.2	56.1	56.2	55.9	55.6	55.3	54.5	53.9	53.3	52.7
29	52.4	52.1	52.8	52.2	52.6	52.8	52.5	52.5	52.8	52.7	52.6	52.4	52.3	52.6	52.7
30	55.4	55.2	55.0	55.1	55.0	55.1	55.4	55.4	55.1	54.8	54.8	54.5	54.1	53.8	53.4
31	56.1	56.2	56.8	57.4	58.1	58.5	59.0	59.7	59.7	59.7	59.6	59.4	59.2	59.0	58.7
Prom	56.4	56.3	56.4	56.6	56.9	57.1	57.2	57.9	57.5	57.4	57.2	56.9	56.6	56.2	55.9

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	15.4	14.5	13.6	13.3	13.1	13.3	18.0	20.6	22.7	24.7	26.5	27.9	29.1	29.6	29.6
2	16.7	16.2	15.4	14.4	14.4	17.6	21.8	25.2	23.0	23.1	30.0	30.5	30.6	30.5	30.4
3	21.1	19.6	21.0	20.7	19.5	19.7	20.3	22.2	23.0	23.8	25.4	26.9	28.2	28.8	29.5
4	16.4	16.0	15.6	14.8	14.4	15.1	15.9	16.8	17.7	19.1	19.7	20.5	21.5	22.3	22.5
5	11.6	10.9	10.1	9.8	9.9	12.1	15.5	18.4	19.6	20.5	21.5	21.5	22.2	23.0	23.4
6	15.4	15.4	15.7	15.3	15.1	16.9	18.8	21.2	22.9	24.9	25.8	26.1	26.7	27.0	27.0
7	18.2	17.3	16.8	17.9	18.2	18.9	20.0	21.2	22.4	24.9	27.5	28.2	27.2	28.2	29.0
8	17.6	17.0	16.3	15.8	15.8	15.9	16.7	18.3	19.5	21.2	21.8	22.4	23.0	22.6	22.9
9	16.1	16.2	16.3	17.0	17.2	18.4	19.0	18.6	18.2	18.0	18.0	18.0	17.8	17.8	17.8
10	15.5	15.0	14.0	13.5	13.4	15.7	19.0	20.9	22.5	23.7	24.2	25.5	26.7	26.4	23.3
11	14.5	13.8	13.5	12.9	12.4	14.6	18.1	20.6	22.4	24.3	25.8	27.0	27.5	28.2	27.5
12	13.9	12.7	12.0	11.4	11.1	11.5	13.9	16.2	18.0	19.0	20.2	20.9	21.5	20.9	20.2
13	11.0	10.4	9.4	8.4	8.0	10.3	14.2	16.3	17.9	19.3	19.8	20.5	20.6	21.6	21.9
14	16.6	15.7	15.4	14.9	14.0	15.1	17.0	19.0	21.1	22.7	23.9	24.3	24.8	25.0	25.0
15	19.5	19.3	18.9	18.3	17.3	18.0	19.8	21.6	23.6	24.9	26.3	27.4	28.0	28.3	28.6
16	18.9	18.4	18.1	17.9	17.5	18.7	22.2	23.2	24.2	26.2	27.6	27.8	29.1	29.2	28.8
17	16.7	15.7	15.0	14.3	14.1	14.1	17.0	19.0	19.9	20.4	21.1	21.6	21.4	21.4	22.2
18	12.6	11.4	10.5	11.5	11.8	11.4	12.8	14.8	16.1	17.2	18.2	18.1	19.0	19.2	20.3
19	9.2	8.4	7.7	7.5	7.3	8.6	12.6	15.2	17.1	18.6	19.7	19.7	19.7	21.0	21.7
20	16.0	16.0	16.0	16.0	15.6	15.4	16.6	17.6	19.0	21.6	22.6	24.1	24.9	26.2	26.1
21	13.6	12.4	11.9	11.5	11.2	13.0	16.6	19.0	20.9	22.6	23.9	25.3	26.1	26.6	26.8
22	14.8	14.6	14.0	13.4	13.1	13.7	16.1	16.6	18.4	19.7	21.9	22.9	24.0	25.2	25.1
23	11.5	10.2	8.9	7.5	6.2	7.7	11.6	14.6	16.0	18.1	19.9	21.7	22.9	23.6	23.6
24	10.8	10.2	9.7	9.5	9.4	12.1	14.7	17.6	20.1	22.2	24.8	25.3	26.5	27.4	28.8
25	19.5	19.7	20.8	20.2	18.9	19.5	21.8	25.8	27.1	24.9	25.6	25.6	26.2	27.8	29.0
26	16.9	15.2	15.1	14.4	14.0	16.2	22.0	26.0	29.2	30.8	32.1	33.4	34.4	34.8	35.0
27	18.3	18.8	18.7	18.9	18.6	19.7	23.7	28.8	31.3	20.5	19.1	20.3	21.8	22.4	22.7
28	18.0	17.4	17.0	17.0	18.6	19.0	20.7	21.4	22.1	23.4	25.2	26.6	28.5	29.2	29.6
29	19.1	18.9	18.3	18.7	18.5	19.9	22.7	25.4	27.7	29.0	30.0	30.4	30.7	28.6	27.3
30	17.2	16.4	15.7	15.3	14.6	15.9	18.8	22.0	25.6	28.3	29.9	31.9	33.4	34.0	32.6
31	19.4	18.1	16.7	15.6	15.2	16.2	19.2	21.8	25.3	26.3	26.9	27.7	27.3	26.8	26.3
Prom	15.9	15.2	14.8	14.4	14.3	15.3	18.0	20.2	21.8	22.7	24.0	24.8	25.6	25.9	26.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
54.6	54.3	54.4	54.5	54.6	55.0	55.5	55.6	55.6	56.7	8	54.3	17	2.4	755.6 mm.	1007.4 mb.
55.2	54.6	54.0	53.6	53.6	54.5	54.9	54.9	54.0	57.3	12	53.6	19,20	3.7	55.7	1007.6
54.9	54.5	54.6	56.9	57.7	57.8	58.3	58.6	58.7	58.7	24	53.5	2-3	5.2	55.9	1007.8
60.7	60.3	60.2	60.3	61.0	60.5	60.3	60.2	59.7	62.0	11	58.7	0,1,2	3.3	60.6	1014.1
56.9	56.4	56.7	56.8	57.0	57.1	57.0	56.7	56.2	59.7	0	56.2	24	3.5	57.7	1010.2
53.5	53.4	53.5	53.5	53.4	53.3	53.5	53.9	53.9	56.2	0	53.3	21	2.9	54.8	1006.4
55.1	55.0	56.0	56.3	56.8	58.2	58.6	59.2	59.9	59.9	24	53.4	2-3	6.5	55.8	1007.7
[illegible]	61.3	61.7	61.7	61.6	61.6	61.6	61.3	61.2	63.4	8-9	59.9	0	3.5	61.8	1015.7
58.3	57.8	56.4	54.7	53.4	55.2	55.6	55.7	55.7	60.9	4	53.4	20	7.5	58.6	1011.4
53.2	52.4	51.8	51.2	52.0	52.2	52.8	53.0	53.1	55.8	0-1	51.2	19	4.6	53.2	1004.2
54.8	54.9	55.1	56.4	57.0	57.9	58.7	58.7	58.8	58.8	24	53.1	0,1,2	5.7	55.4	1007.2
62.4	62.4	62.9	63.4	63.4	64.2	64.6	64.5	64.3	64.6	22	58.8	24	5.8	62.2	1016.2
62.1	61.5	61.4	61.5	61.5	61.6	61.7	61.7	61.4	65.4	8,9	61.4	18	4.0	63.3	1017.7
57.5	57.1	57.0	57.3	57.6	57.7	57.6	56.2	56.4	61.4	0	56.2	23	5.2	58.9	1011.8
53.2	52.8	53.1	53.5	53.4	53.9	54.0	54.2	55.0	56.8	8	52.8	17	4.0	55.1	1006.8
52.9	52.5	52.7	53.4	53.7	54.3	55.1	55.9	56.3	56.3	0	52.5	17	3.8	53.2	1004.2
58.1	58.3	58.8	59.4	59.8	60.5	60.9	61.1	60.8	61.1	23	56.2	1,2	4.9	58.7	1011.6
58.8	58.6	58.7	59.0	59.1	59.3	59.3	59.1	58.8	60.8	1,8,9	58.6	17	2.2	59.8	1013.0
55.5	55.6	55.8	56.1	56.4	56.7	56.7	56.7	56.6	58.8	0	55.5	16	3.3	56.9	1009.2
54.6	54.4	54.4	54.6	55.0	55.4	55.8	55.7	55.5	57.2	8,9	54.4	17,18	2.8	55.9	1007.8
52.6	52.5	52.6	53.2	53.6	54.1	54.6	54.8	54.7	56.2	8	52.5	17	3.7	54.4	1005.8
57.0	57.2	57.4	57.9	58.4	59.3	59.7	60.1	60.3	60.3	24	54.7	0,1	5.6	57.5	1010.0
60.5	60.2	60.2	60.4	60.5	60.8	60.6	60.6	60.7	62.0	8,9	60.2	varios	1.8	60.9	1014.5
52.9	52.4	52.0	52.0	52.0	52.1	52.1	51.9	51.3	60.7	0	51.3	24	9.4	56.1	1008.1
49.4	49.2	49.4	49.8	50.4	50.7	51.0	51.1	51.0	52.6	9-10	49.2	17	3.4	50.8	1001.0
49.6	49.4	49.5	49.8	50.0	50.3	50.6	50.7	51.0	52.1	9	49.4	17	2.7	50.8	1001.0
53.2	53.4	53.9	54.0	54.5	55.4	56.3	56.6	56.6	56.7	23-24	50.5	3	6.2	53.0	1004.0
52.2	51.6	51.4	51.5	51.8	52.0	52.2	52.3	52.7	56.6	0,1	51.4	18	5.2	54.1	1005.4
52.6	52.7	53.2	54.0	54.4	54.9	65.2	55.2	55.3	55.3	24	52.1	2	3.2	53.6	1004.8
53.1	53.1	53.1	53.7	54.6	55.3	55.1	55.2	56.0	56.0	24	53.1	16,17,18	2.9	54.7	1006.2
58.6	58.7	58.7	59.0	59.0	59.1	59.1	59.0	59.0	59.7	8,9,10	56.0	0	3.7	58.6	1011.4
55.6	55.4	55.5	55.8	56.0	56.5	57.1	56.8	56.8	58.8		54.4		4.4	56.6	1008.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
29.6	29.2	26.4	23.4	21.2	19.8	18.9	17.3	17.3	29.7	14-15	13.1	5	16.6	21.6
29.9	28.2	26.2	24.6	22.4	22.7	23.1	22.4	21.9	31.0	12-13	13.9	4-5	17.1	23.4
29.1	28.9	25.1	19.7	18.8	18.6	19.2	18.6	17.3	29.5	15	17.3	24	12.2	22.7
22.6	21.9	20.1	17.8	16.2	15.5	14.2	13.0	12.4	22.6	16	12.4	24	10.2	17.6
23.3	22.6	21.4	19.5	18.2	17.6	17.9	17.1	15.0	23.4	15	9.8	4	13.6	17.6
26.8	25.9	24.3	22.1	21.0	20.8	20.7	20.7	19.5	27.0	14,15	14.5	0-1	12.5	21.5
28.7	27.5	19.7	18.4	18.0	18.9	19.0	19.0	17.7	29.1	15-16	16.8	3	12.3	21.8
22.6	21.6	20.6	19.3	18.2	17.8	16.9	16.4	16.0	23.1	15-16	15.8	4-5	7.3	19.0
17.9	17.2	16.9	17.0	17.2	17.5	17.5	17.5	16.7	19.0	7	16.0	0	3.0	17.5
18.8	17.4	17.6	17.5	16.8	16.9	16.6	15.7	15.1	27.1	13-14	13.4	5	13.7	18.6
26.9	25.5	24.1	20.9	20.5	19.0	17.7	16.9	16.2	28.3	14-15	12.4	5	15.9	19.8
19.4	18.5	17.8	16.5	15.2	14.4	13.5	12.5	11.5	21.6	12-13	11.0	5-6	10.6	16.0
22.0	21.5	20.3	18.4	16.8	16.8	16.8	16.7	16.7	22.0	16	8.0	5	14.0	16.5
24.8	24.1	22.1	20.6	19.2	19.1	19.1	18.9	19.2	25.1	13-14	14.0	5	11.1	20.1
27.2	27.5	26.3	23.6	22.2	20.7	20.2	20.6	20.6	28.7	14-15	17.2	5-6	11.5	22.9
28.0	27.7	26.4	23.2	22.0	19.2	20.0	18.9	17.7	29.6	14-15	17.5	5	12.1	23.0
22.9	22.7	21.0	18.9	17.0	15.7	15.1	14.1	13.3	23.1	16-17	13.3	24	9.8	18.1
19.7	19.5	18.4	16.6	15.4	14.5	12.6	11.8	10.5	20.5	15-16	10.5	3,24	10.0	15.2
21.8	21.0	20.2	18.1	16.7	16.1	15.5	15.3	16.1	22.2	15-16	7.3	5	14.9	15.6
25.7	25.6	24.7	22.5	19.8	17.9	16.6	16.0	14.5	26.4	15-16	14.5	24	11.9	19.9
27.0	26.9	26.3	23.5	19.8	17.5	17.2	16.0	15.0	27.0	16	11.2	5	15.8	19.6
24.3	23.3	22.6	20.7	18.8	17.4	15.6	14.2	12.5	25.2	14	12.5	24	12.7	18.4
22.6	21.1	19.9	17.4	16.2	15.2	13.9	12.9	11.6	23.8	14-15	6.1	5-6	17.7	15.6
29.0	28.9	27.2	23.8	21.2	19.9	18.9	18.5	20.6	29.0	16	9.4	5	19.6	19.9
29.8	28.9	28.9	25.8	23.0	21.4	20.2	19.3	17.7	29.8	16	17.7	24	12.1	23.6
34.7	34.1	31.9	28.3	25.2	23.1	21.7	20.8	19.8	35.0	15	14.0	5	21.0	25.6
23.2	23.2	23.3	21.9	21.4	21.6	19.7	19.1	18.8	31.5	9-10	18.3	1	13.2	21.5
29.6	28.8	27.8	25.0	22.6	21.6	21.0	20.6	19.5	29.6	15-16	17.0	3,4	12.6	22.9
26.3	24.8	23.0	20.9	19.2	18.4	18.1	17.9	17.8	30.9	13-14	17.8	24	13.1	23.0
31.6	31.4	30.3	26.8	25.0	22.3	20.7	20.1	20.2	34.8	14	14.6	5	20.2	24.6
25.8	25.3	24.2	22.6	21.7	21.9	22.1	21.9	21.2	27.7	12	15.2	5	12.5	22.3
25.5	24.7	23.0	22.3	19.6	18.7	18.1	17.4	16.8	26.9		13.6		13.3	20.2

HUMEDAD RELATIVA en %

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

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	12.5	12.0	11.0	11.0	10.5	10.5	11.5	12.5	12.5	12.0	12.0	10.5	11.0	10.2	10.0
2	12.0	12.0	12.0	11.0	10.5	10.5	11.0	11.6	8.5	7.8	11.5	10.5	12.0	11.6	12.0
3	14.0	14.5	13.5	14.0	16.0	14.5	15.5	15.7	16.0	17.0	16.0	17.5	19.0	17.0	16.0
4	12.0	11.5	11.5	11.0	10.0	10.0	10.0	10.2	10.0	10.0	10.5	10.0	10.0	10.2	10.5
5	9.5	9.0	9.0	8.5	8.5	9.5	10.0	11.2	11.5	11.0	11.0	11.0	9.5	10.2	10.0
6	12.5	12.5	12.5	12.5	11.5	12.5	13.0	13.1	13.0	13.5	11.5	10.5	12.0	11.8	12.5
7	15.0	14.0	13.0	13.0	12.0	12.5	13.5	13.7	13.5	13.5	13.0	13.5	14.0	14.1	15.5
8	13.5	13.0	12.5	12.0	12.0	11.5	11.5	12.6	12.0	13.5	14.0	13.5	14.0	13.8	14.0
9	13.0	13.0	13.0	14.0	14.0	15.0	15.0	16.0	15.0	15.0	15.0	15.0	14.5	15.1	14.5
10	12.5	12.0	11.5	11.0	11.0	12.5	15.5	16.6	16.5	16.5	17.0	16.0	16.0	17.0	18.5
11	12.0	11.0	11.0	10.5	10.0	11.0	12.5	13.1	13.5	13.0	13.0	12.5	13.0	12.0	11.5
12	11.5	10.5	9.0	8.5	8.5	8.5	8.5	9.5	10.0	10.0	10.0	9.5	11.5	11.0	11.5
13	9.0	8.5	8.5	7.8	7.8	7.6	8.5	8.8	8.5	9.5	9.5	9.0	8.5	9.5	10.0
14	12.0	12.0	11.0	11.0	11.0	10.5	11.0	10.8	11.5	11.5	12.5	11.5	12.0	12.0	11.0
15	15.5	15.0	12.5	12.0	11.0	12.5	13.0	12.5	13.5	13.5	14.5	13.0	13.0	12.1	12.0
16	15.0	14.5	14.0	14.5	14.5	15.5	14.5	13.5	14.0	14.5	14.0	13.0	12.5	12.1	11.0
17	12.0	12.0	11.5	11.0	11.0	11.0	11.5	12.0	10.5	12.0	11.5	11.0	11.5	11.5	12.5
18	10.0	9.5	9.0	9.5	10.0	9.5	10.5	10.7	9.5	9.5	9.0	8.0	8.0	7.7	6.6
19	8.0	7.8	7.6	7.4	7.4	7.6	7.8	9.6	10.5	10.5	10.5	10.5	10.5	11.4	11.0
20	13.0	13.0	12.5	12.5	11.5	11.0	11.5	11.4	11.5	12.0	11.5	11.5	11.0	11.0	10.5
21	11.0	10.0	10.0	9.5	9.5	10.5	12.0	12.4	12.0	12.5	12.5	11.5	10.5	9.8	9.5
22	12.0	11.0	11.5	11.0	10.5	11.0	11.5	11.8	11.0	10.5	11.0	10.5	10.5	10.0	10.0
23	8.0	8.0	8.0	7.4	6.8	7.6	9.5	7.9	7.8	7.4	7.4	6.2	6.8	7.7	8.0
24	8.5	9.0	8.5	8.5	8.5	8.5	9.0	9.2	9.0	9.5	9.5	9.0	9.5	8.7	9.5
25	12.0	11.5	11.0	11.5	11.5	13.0	14.0	14.0	12.5	12.0	11.5	11.5	12.0	11.3	11.0
26	11.0	11.0	11.0	10.5	14.0	11.0	13.0	12.4	12.5	12.5	13.5	12.5	13.0	11.7	11.5
27	12.5	15.5	15.5	15.5	15.5	16.5	15.5	14.0	12.5	16.5	15.0	14.5	14.0	15.6	15.5
28	10.0	10.5	11.0	11.0	11.5	11.5	13.0	11.4	12.0	11.0	11.0	13.5	15.0	15.2	13.0
29	16.0	15.5	15.0	15.5	15.5	16.5	18.0	18.7	18.5	18.5	19.5	18.5	16.5	13.1	11.5
30	12.5	12.0	10.5	11.0	11.0	12.0	13.0	14.5	15.0	16.5	16.5	15.0	10.5	8.4	10.0
31	11.0	10.0	10.0	10.0	12.5	12.5	13.5	13.0	12.5	13.0	12.5	13.0	12.5	14.2	13.0
Prom.	11.9	11.6	11.2	11.1	11.1	11.4	12.2	12.4	12.2	12.4	12.5	12.1	11.8	11.7	11.7

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
34	36	49	63	72	74	79	84	83	100	varios	33	14	67	67
40	46	63	66	85	79	79	84	81	100	3-4	34	12	66	64
54	51	64	89	98	98	97	92	90	100	19-20	51	17	49	78
53	53	57	65	69	76	85	90	94	94	24	50	14	44	72
53	57	65	76	84	89	95	96	97	100	2,3,4	45	12-13	55	77
47	48	54	65	79	84	90	90	94	99	2	41	12-13	58	72
54	61	91	96	96	86	88	87	95	97	1,2	48	12	49	76
66	69	72	79	84	91	96	99	100	100	0,1	65	15-16	35	78
100	100	100	99	88	94	99	98	100	100	varios	78	20-21	22	98
89	98	100	100	100	99	95	94	96	100	varios	65	13	35	91
48	54	57	67	80	81	78	75	80	100	5	39	14-15	61	72
68	70	71	74	78	80	82	83	92	99	1-2	48	11-12	51	76
52	54	60	72	80	80	85	89	92	100	3,4,5	45	13-14	55	73
51	54	62	68	79	84	87	92	95	95	24	50	15	45	72
47	47	48	57	77	86	93	93	81	96	2-3	40	13-14	56	68
38	40	45	57	63	85	68	79	81	98	5-6	38	16	60	67
58	59	65	73	78	84	88	92	90	93	2	57	16-17	36	76
43	45	54	66	72	78	83	89	94	100	varios	40	15	60	75
57	60	65	72	79	85	89	92	94	100	1,2	56	15-16	44	79
42	41	42	50	61	81	88	91	98	100	0-1	41	15,17	59	70
36	35	36	46	65	79	88	98	98	100	varios	35	17	65	70
43	44	45	51	56	59	66	72	82	100	varios	40	14-15	60	69
46	51	63	73	77	83	92	91	97	100	4,5	31	13-14	69	70
32	30	46	61	72	76	79	77	64	98	3	30	17	68	63
34	36	41	53	60	68	69	69	75	77	6	34	16	43	58
29	30	34	43	53	59	64	68	73	92	2-3	29	16	63	56
80	79	82	92	93	94	60	61	61	99	5	38	8-9	61	81
46	47	56	75	92	100	100	100	100	100	varios	43	14-15	57	69
40	45	49	45	67	77	80	83	84	100	varios	38	18-19	62	72
36	40	37	43	47	57	63	66	71	97	5-6	21	13-14	76	60
55	52	56	59	69	78	79	74	78	98	5-6	45	12-13	53	66
51	53	59	68	76	81	83	85	87	98		44		54	72

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
10.0	11.0	12.0	13.0	13.4	12.5	12.5	12.0	12.0	13.4	20	10.0	15,16	3.4	11.6
11.5	13.5	15.5	15.5	16.9	15.5	16.0	16.5	16.0	16.9	20	7.8	10	9.1	12.6
15.5	15.5	14.5	15.0	15.8	15.5	16.0	14.5	12.5	19.0	13	12.5	24	6.5	15.4
10.5	10.0	10.0	9.5	9.4	10.0	9.5	9.5	9.5	12.0	1	9.4	20	2.6	10.2
11.0	11.5	11.5	13.0	13.1	13.0	14.0	14.0	12.0	14.0	22,23	8.5	4,5	5.5	10.9
12.5	11.5	11.5	12.0	14.5	15.0	15.5	15.5	15.5	15.5	varios	10.5	12	5.0	12.8
15.0	17.0	15.5	15.0	14.7	14.0	14.0	14.0	13.5	17.0	17	12.0	5	5.0	14.0
13.5	13.0	13.0	12.5	13.0	14.0	13.5	13.5	13.0	14.0	varios	11.5	6,7	2.5	13.0
14.5	14.0	13.5	14.0	12.8	13.5	14.5	14.5	13.5	16.0	8	12.8	20	3.2	14.2
14.0	14.0	14.5	14.5	14.3	13.5	13.5	12.0	12.0	18.5	15	11.0	4,5	7.5	14.3
12.5	12.5	12.5	12.0	14.3	13.5	11.5	10.0	10.5	14.3	20	10.0	5,23	4.3	12.0
11.0	10.5	11.0	10.0	10.1	9.0	9.5	8.5	9.0	11.5	varios	8.5	varios	3.0	9.8
10.0	10.0	10.0	11.0	11.3	11.0	11.5	12.0	13.0	13.0	24	7.6	6	5.4	9.6
12.0	11.5	12.0	12.0	13.1	13.5	14.0	15.0	15.0	15.0	23,24	10.5	6	4.5	12.0
12.5	13.0	12.0	12.5	15.4	15.5	16.0	16.5	14.5	16.5	23	11.0	5	5.5	13.5
10.5	10.0	10.5	12.0	12.3	13.5	11.5	12.5	12.0	15.5	6	10.0	17	5.5	13.0
12.0	11.5	11.5	11.5	11.1	11.0	11.0	11.0	10.0	12.5	15	10.0	24	2.5	11.4
7.2	7.2	8.0	9.5	9.4	9.5	8.5	9.0	8.5	10.7	8	6.6	15	4.1	8.9
11.0	10.5	11.0	11.0	11.2	11.0	11.5	12.0	12.5	12.5	24	7.4	4,5	5.1	10.0
10.5	10.0	9.5	9.5	10.6	12.5	12.0	12.5	12.0	13.0	1,2	9.5	18,19	3.5	11.4
10.0	8.5	9.5	10.0	11.3	11.5	12.5	13.0	12.0	13.0	23	8.5	17	4.5	10.9
9.5	9.0	8.5	9.5	9.0	8.5	8.5	8.5	8.5	12.0	1	8.5	varios	3.5	10.1
9.5	9.5	10.0	10.5	10.6	10.5	10.5	10.0	9.5	10.6	20	6.2	12	4.4	8.5
9.5	8.0	12.5	13.5	13.4	23.0	12.5	12.0	11.0	13.5	19	8.0	17	5.5	10.0
10.0	11.0	12.5	13.0	12.6	12.5	11.5	11.0	10.5	14.0	7,8	10.0	16	4.0	11.9
11.0	11.0	11.5	12.0	12.6	12.0	12.0	12.0	12.0	14.0	5	10.5	4	3.5	12.0
16.0	16.0	17.5	18.0	17.6	17.5	9.5	10.0	10.0	18.0	19	9.5	22	8.5	14.8
14.5	14.0	16.0	17.0	18.6	18.5	18.0	17.5	16.5	18.6	20	10.0	1	8.6	13.8
9.5	9.5	10.0	8.0	11.0	12.0	12.0	12.5	12.5	19.5	11	8.0	19	11.5	14.3
13.0	12.5	12.0	11.0	11.1	11.5	11.0	11.5	12.5	16.5	10,11	8.4	14	8.1	12.3
13.0	12.5	12.5	11.5	13.2	15.0	15.0	14.0	14.5	15.0	21,22	10.0	varios	5.0	12.7
11.6	12.0	12.2	12.8	12.8	12.9	12.5	12.5	12.1	14.7		9.5		5.2	12.0

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	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V
1	NW	6	NW	8	NW	8	W	9	NW	6	NW	11	NW	14	NW	12	NW	17	NW	16	NW	16	W	18	W	16	W	17	W	15
2	NW	5	NW	7	NW	5	NW	5	NW	7	NW	5	NW	8	NW	8	N	8	N	16	N	16	N	12	N	12	N	12	N	16
3	NE	5	NW	7	N	15	SW	9	C	1	E	4	E	9	E	7	E	4	E	8	N	10	N	7	SW	2	SE	5	SE	3
4	SE	11	SE	11	SE	9	SE	9	SE	11	SE	11	SE	10	SE	14	SE	13	SE	11	SE	12	SE	10	SE	11	SE	11	SE	12
5	SE	4	SE	3	SE	2	SE	2	SE	4	SE	4	SE	5	SE	5	E	11	E	10	E	12	E	11	E	9	E	12	E	9
6	E	7	E	7	NE	9	NE	8	NE	8	NE	8	NE	14	NE	14	NE	13	NE	15	NE	15	NE	14	NE	14	NE	14	NE	10
7	E	3	E	2	E	4	E	4	NE	4	NE	3	NE	5	N	8	NW	17	NW	12	NW	12	NW	10	W	8	W	8	W	9
8	SE	14	SE	9	SE	11	SE	10	SE	10	SE	10	SE	9	SE	14	SE	14	SE	14	SE	16	SE	13	E	10	E	14	E	13
9	SE	3	SE	3	SE	4	SE	2	SE	4	E	6	E	5	E	5	NW	14	NW	11	NW	8	W	9	W	7	SW	3	NE	4
10	S	2	C	1	C	0	C	0	C	0	C	1	E	4	N	13	NW	13	NW	12	W	12	W	9	W	9	W	10	W	9
11	SW	7	SW	5	SW	7	SW	4	SW	5	W	8	SW	4	SW	8	SW	12	SW	13	SW	11	SW	12	SW	9	SW	8	SW	7
12	SE	8	SE	6	SE	6	SE	6	SE	3	SE	5	SE	7	SE	10	SE	9	SE	9	SE	7	SE	8	SE	9	E	8	E	10
13	SE	2	SE	4	SE	2	C	1	SE	3	SE	2	SE	3	SE	6	SE	7	E	7	E	13	E	11	E	9	E	10	E	9
14	E	9	E	8	NE	9	NE	9	NE	11	NE	12	N	18	N	20	N	19	N	18	N	15	N	13	NE	15	NE	11	NE	11
15	E	8	E	4	NE	6	NE	11	NE	11	NE	10	NE	16	NE	16	N	23	N	18	N	17	N	17	N	14	N	12	N	15
16	E	4	E	3	E	5	E	7	E	5	C	1	N	7	N	15	NW	11	W	11	W	11	W	11	W	12	W	12	W	13
17	S	5	S	5	S	6	S	7	SW	9	SW	7	S	7	S	9	S	12	S	15	S	17	S	15	S	13	S	13	S	15
18	S	5	S	2	SW	6	SW	4	SW	9	SW	3	SW	4	SW	11	S	9	S	9	S	7	S	7	S	12	S	12	S	13
19	SW	2	SW	6	SW	2	SW	6	SW	5	SW	8	SW	12	SW	14	SW	13	SW	13	SW	13	SW	14	SW	13	SW	15	SW	16
20	SW	6	SW	6	SW	6	SW	6	S	4	SW	8	SW	10	SW	14	SW	10	SW	8	SW	8	SW	12	SW	12	SW	14	SW	13
21	C	0	C	0	C	0	C	0	C	0	C	0	S	4	S	3	SW	4	SW	9	SW	7	SW	15	SW	11	SW	14	SW	10
22	C	0	S	2	S	2	S	2	C	1	S	5	S	6	S	9	SW	15	SW	13	SW	16	SW	15	SW	14	SW	16	S	15
23	SE	6	SE	4	SE	4	C	1	SW	3	C	1	SE	8	SE	8	SE	10	SE	9	SE	11	SE	6	SE	7	SE	8	NE	7
24	C	1	NE	4	NE	4	NE	7	NE	5	N	11	N	17	N	21	N	21	N	20	N	20	N	24	N	25	N	26	N	28
25	N	12	NW	13	NW	14	NW	16	NW	11	NW	9	NW	11	NW	12	W	11	W	5	NW	15	W	12	W	8	W	13	W	13
26	W	8	W	3	W	8	W	6	W	5	W	9	W	13	W	15	W	21	W	22	W	23	W	25	W	34	W	26	W	25
27	E	3	E	3	NE	3	NE	2	E	3	NE	2	N	10	N	9	N	21	N	25	SW	10	S	6	SW	9	S	3	SW	4
28	E	12	E	8	SE	4	SE	5	E	11	E	13	E	14	E	18	E	15	E	13	NE	13	NE	9	N	10	N	12	N	11
29	NW	3	NW	5	NW	4	NW	9	NW	9	NW	10	W	11	W	9	W	13	W	13	SW	10	S	8	SE	7	E	18	E	18
30	E	9	E	9	E	7	NE	6	NE	7	NE	8	N	13	N	15	N	14	N	16	NW	10	NW	10	W	16	W	12	W	12
31	SE	8	SE	5	SE	5	SE	6	SE	6	SE	5	SE	10	SE	10	E	11	E	13	E	16	E	17	E	17	E	17	E	18
DIR. PREV.	SE		E-SE		SE		SE		SE		NE-SE		SE		N-SE		N		N		SW		W		W		W		W	
Nº de HORAS	8		8		9		7		7		6		7		7		6		6		7		6		8		7		7	
PROM. HOR. DE LA VELOC.		6		5		6		6		6		6		9		11		13		13		13		12		12		12		12

15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		PREVAL. DIARIA		PROM. DIARIO DE VELOC.	VELOCIDAD INSTANTÁNEA		
D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	D	V	DIR.	Nº de HORAS		VELOC.	DIREC.	HORA
W	13	W	11	W	9	NW	7	NW	7	NW	5	NW	5	NW	6	NW	6	NW	16	11	26	W	12.52
N	10	N	6	NE	4	NE	6	NE	5	NE	5	E	7	NE	3	NE	8	N	9	8	26	NW	10.14
SE	3	S	2	C	1	S	6	E	7	SE	5	SE	11	SE	11	SE	10	SE	7	6	30	SW	3.30
SE	7	SE	10	SE	10	SE	8	SE	4	E	7	E	4	SE	5	SE	3	SE	22	9	22	S	6.50
E	11	E	11	E	10	E	7	E	7	E	6	E	7	E	6	E	4	E	16	7	19	NE	9.32
NE	10	E	9	E	11	E	9	E	7	E	11	E	9	E	7	E	5	NE	14	10	24	NE	13.39
W	4	NE	4	E	11	NW	5	NW	3	S	8	SE	13	SE	7	SE	11	NW	6	7	26	SW	17.40
E	13	E	15	E	17	E	11	E	5	E	4	SE	3	SE	4	SE	5	SE	15	11	22	E	13.32
E	3	NW	12	N	11	N	24	NE	26	SE	5	E	5	E	6	C	1	E-SE	6	8	40	N	18.56
W	5	W	8	E	4	C	1	W	5	W	7	W	7	SW	7	SW	7	W	10	6	25	SW	15.11
SW	4	S	2	SE	3	E	10	E	15	E	15	E	12	E	10	E	3	SW	16	8	22	SW	11.20
E	13	E	11	E	13	E	11	E	6	SE	5	SE	5	SE	5	SE	4	SE	17	8	16	E	15.28
E	6	E	9	E	7	E	7	E	5	E	7	E	7	E	9	E	9	E	15	6	13	E	11.40
NE	13	E	8	E	7	E	6	E	4	E	5	E	7	E	10	E	5	E	10	11	23	N	7.36
N	13	N	14	N	12	NE	4	E	8	E	3	E	4	NE	5	N	14	N	11	11	23	NE	7.52
W	13	W	12	W	12	W	8	SW	4	C	1	S	7	S	7	S	6	W	10	8	22	W	13.56
S	11	S	13	S	14	S	8	S	7	S	4	S	5	S	3	S	5	S	22	9	20	S	6.24
S	12	SW	11	S	7	S	6	S	3	C	1	C	1	S	3	S	3	S	15	7	29	SW	15.08
SW	17	SW	14	SW	16	SW	16	SW	12	SW	8	SW	4	SW	6	SW	10	SW	24	11	26	SW	18.34
SW	16	SW	13	SW	10	S	7	S	2	SE	3	SE	2	SE	2	C	1	SW	17	8	24	SW	13.12 15.16
SW	12	S	10	S	7	SE	4	C	0	E	2	E	5	SE	4	C	0	C-SW	8	5	20	SW	12.48
S	13	S	14	S	9	S	6	SE	6	SE	8	SE	4	SE	7	SE	6	S	11	8	26	SW	13.12
NE	13	NE	17	E	14	E	11	E	9	E	7	E	8	NE	4	NE	4	SE	11	8	18	NE	15.58
N	28	N	24	N	17	N	13	NE	9	NE	11	NE	12	N	8	N	13	N	16	15	32	N	14.26
W	19	W	25	W	9	W	7	W	7	W	8	W	7	W	11	W	8	W	13	12	24	W	16.17
W	18	W	15	W	13	W	9	W	7	W	6	W	5	W	5	W	3	W	24	14	45	W	12.54
NW	6	NW	15	NW	7	C	1	C	1	E	3	E	20	E	14	E	13	E	7	8	57	NW	9.38
N	7	N	9	N	9	N	7	NE	6	NE	4	NE	5	NE	3	NE	2	E	8	9	24	E	7.25
E	21	E	21	E	19	E	17	E	13	E	13	E	12	E	15	E	11	E	11	12	32	E	13.20
W	13	W	13	W	9	W	4	S	7	C	1	E	3	NE	5	NE	6	W	7	9	19	W	15.32
E	16	E	17	E	14	E	12	E	11	E	12	E	13	E	13	E	9	E	16	12	24	E	15.33

E-W		E		E		E		E		E		E		E		E		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		84 Km.		
7		8		11		10		12		13		15		9		8					DIREC.	DIA	HORA
	12		12		10		8		7		6		7		7		6	E	357	9	N	24	de 12.40 a 12.45

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													8	108	16	150		258
2	9	108	6	31	1	7									8	50		196
3	3	32	1	5	6	39	7	48	2	8	2	11			1	7	2	152
4					2	11	22	213										224
5					16	143	8	29										172
6			14	166	10	82												248
7	1	8	4	16	5	24	3	31	1	8			4	29	6	59		175
8					9	102	15	156										258
9	2	35	2	30	6	30	6	21			1	3	2	16	4	45	1	181
10	1	13			2	8			1	2	2	14	10	81	2	25	6	146
11					6	65	1	3	1	2	15	116	1	8				194
12					7	72	17	112										184
13					15	125	8	29									1	155
14	6	103	8	91	10	69												263
15	11	169	8	79	5	27												275
16	2	22			4	20			4	24	1	4	10	115	1	11	2	198
17									22	209	2	16						225
18									15	110	7	48					2	160
19											24	255						255
20							3	7	3	13	17	172					1	193
21					2	7	2	8	4	24	8	82					8	121
22							5	31	11	83	6	89					2	204
23			5	45	5	49	11	81			1	3					2	180
24	16	316	7	52													1	369
25	1	12											15	163	8	101		276
26													24	324				324
27	4	65	3	7	7	59			2	9	3	23			3	28	2	193
28	7	65	7	42	8	104	2	9										220
29					11	178	1	7	1	8	1	10	4	46	6	40		289
30	4	58	5	32	4	28			1	7			7	79	2	20	1	225
31					16	226	8	55										281
SUMAS	67	1006	70	596	157	1475	119	840	68	507	90	854	85	961	57	536	31	6794
% PREVAL POR VELOCIDAD	14.8		8.8		21.7		12.3		7.5		12.6		14.1		7.9		0.3	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	15		8		9		7		7		9		11		9		0.6	219

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	1	1	7	8	4	3	1	3	3
1 - 2		1	8	8	3	3	1	5	2
2 - 3	1	5	3	9	2	4	1	4	2
3 - 4		6	2	7	2	5	2	3	4
4 - 5		6	3	7	1	5	1	4	4
5 - 6	1	6	3	6	1	4	2	4	4
6 - 7	5	3	4	7	3	4	2	3	
7 - 8	7	2	3	7	3	4	2	3	
8 - 9	6	1	4	5	2	5	3	5	
9 - 10	6	1	5	4	2	5	4	4	
10 - 11	5	2	3	4	2	7	3	5	
11 - 12	5	2	3	4	4	5	6	2	
12 - 13	4	2	4	4	2	7	8		
13 - 14	4	2	6	3	3	6	7		
14 - 15	4	4	6	2	3	5	7		
15 - 16	4	3	7	2	3	4	7	1	
16 - 17	4	2	8	1	5	3	6	2	
17 - 18	4	1	11	2	4	2	5	1	1
18 - 19	3	2	10	2	5	1	4	2	2
19 - 20		4	12	2	4	2	3	2	2
20 - 21		3	13	5	2	1	3	1	3
21 - 22		2	15	6	2	1	3	1	1
22 - 23	1	5	9	8	3	2	2	1	
23 - 24	2	4	8	6	3	2	2	1	3
SUMAS	67	70	157	119	68	90	85	57	31
% de frec. por dirección	9.0	9.4	21.1	16.1	9.1	12.0	11.4	7.7	4.1

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	VISIBILIDAD 14h	VISIBILIDAD 20h
											90 - 99		
1	Ci	6	Ci	1	Co	3	Claro	0	Claro	0	98	99	99
2	Ci	6	Ci	7	Ci	7	Sc 1 Ci 6	7	Sc 2 Ac 4	6	8	8	8
3	Ac As	8	St Fs	8	Sc 2 Ac 2 Ci 2	6	Sc	8	Sc	7	4	8	6
4	Sc	3	Cu	4	Cu	3	Sc	1	Claro	0	9	9	9
5	Sc	3	Cu	1	Claro	0	Claro	0	Claro	0	7	9	8
6	Ci	4	Cu	1	Ci	5	Ci	7	Ci	6	9	9	8
7	Sc	7	Sc	7	Sc 3 Cs 5	8	Fs	8	Cb 4 Ci 4	8	8	8	9
8	Sc	8	Sc	8	Sc	7	Claro	0	Ac	4	8	7	8
9	Ns	8	Ns	8	Ns	8	Ns	8	Sc	7	7	7	9
10	Ac 4 Ci 4	8	Cu 1 Ac 1 Ci 4	6	Sc 6 Ac 2	8	Sc 2 Ac 2 Ci 1	5	Ac	3	8	8	8
11	Claro	0	Cu	2	Cu	4	Sc	7	Sc	7	9	9	8
12	Claro	0	Ci Cu	8	Sc 6 Ci 2	8	Ci	6	Claro	0	9	8	9
13	Claro	0	Cu	1	Claro	0	Claro	0	Claro	0	9	8	9
14	Ci	1	Cu 5 Ci 2	7	Cu 1 Ci 6	7	Ac As 5 Ci 2	7	Ci	7	8	8	8
15	Ac	2	Ac	1	Cu 1 Ci 1	2	Sc 1 Ci 3	4	Ci	2	9	9	9
16	Ac 5 Ci 1	6	Cu 1 Cs 7	8	Cu 1 Ac 3 Co 2	6	Sc 3 Ci 3	6	Sc 2 Ci 2	4	8	8	8
17	Cu 3 Ci 2	5	Sc	7	Cu Sc	8	Cu	1	Claro	0	8	8	9
18	Sc	7	Sc	7	Sc	7	Sc	5	Sc	5	7	8	8
19	Cu 1 Ci 3	4	Cu	6	Sc	7	Sc 6 Ci 1	7	Sc 3 Ci 2	5	8	8	8
20	Sc 4 Ci 2	6	Cu 4 Ci 2	6	Cu	6	Sc	2	Sc	1	9	8	8
21	Sc	2	Sc	5	Cu	2	Claro	0	Ci	1	9	9	8
22	Sc	7	Cu	1	Cu	2	Sc 1 Cs 7	8	Ci	1	8	8	8
23	Ci	1	Ci	1	Ci	2	Sc	3	Claro	0	9	7	9
24	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	8	8
25	Ac 1 Cs 6	7	Ac As	8	Ac	6	Ci	6	Cs	8	8	7	8
26	Clar	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	9
27	Ci	7	Ac	8	Ac	8	Sc 7 As 1	8	Sc	7	9	9	7
28	Cs	8	Ci	5	Cu 2 Cs 5	7	Ci	3	Ci	2	9	8	8
29	Co	4	Ci 6 Cu 1	7	Cs	7	Claro	0	Claro	0	9	8	9
30	Ci	1	Cs	7	Cu 1 Cs 7	8	Ac	3	Ac	3	9	9	8
31	Cu	2	Ci	1	Ci	1	Ci	2	Ac 2 Ci 1	3	7	7	8
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	41.2	27.0	1.15	5	4	5	
	10	49.0	30.7	1.49	1	5	5	
	12	51.5	33.7	1.53	1	5	5	
	14	50.3	34.9	1.25	3	5	5	
	15	50.4	34.3	1.31	4	5	5	
2	9	51.0	33.4	1.43	7	5	5	
	10	53.3	35.0	1.49	7	5	5	
	12	53.7	35.8	1.46	7	5	5	
	14	49.5	34.4	1.23	7	4	5	
	15	50.0	34.5	1.26	7	4	5	
3	9	32.4	25.4	0.57	8	1	3	Ne.
	10				8	0	3	Ne., LL.
	12				8	0	3	Ne., Am.
	14	50.4	33.2	1.40	6	3	5	
	15	51.1	34.4	1.36	6	5	4	
4	9	42.3	23.2	1.55	1	5	5	
	10	42.2	26.0	1.32	4	5	5	
	12	40.4	25.3	1.24	4	4	5	
	14	46.9	27.8	1.55	1	5	5	
	15	45.6	27.8	1.45	1	5	5	
5	9	42.4	25.0	1.41	4	4	4	
	10	43.3	26.0	1.41	4	4	5	
	12	47.6	28.0	1.51	1	5	5	
	14	46.7	28.0	1.52	0	5	5	
	15	46.5	28.2	1.49	0	5	5	
6	9	47.4	28.5	1.54	5	5	5	
	10	48.0	30.0	1.46	2	5	5	
	12	50.0	31.4	1.51	1	5	5	
	14	50.0	32.2	1.45	5	5	5	
	15	48.0	31.5	1.34	4	5	5	
7	9	46.2	29.8	1.33	8	4	5	
	10	35.2	26.4	0.72	7	0	5	
	12	49.0	33.2	1.28	7	3	5	
	14	49.3	33.2	1.31	8	4	5	
	15	40.4	30.9	0.77	8	3	5	
8	9	36.9	23.7	1.07	8	0	4	Ne.
	10	43.9	26.4	1.42	7	2	4	Ne.
	12	34.0	24.6	0.76	8	0	4	Ne.
	14	34.0	25.6	0.68	7	3	4	B.
	15	45.8	28.6	1.40	6	3	4	
9	9				8	0	3	LL.
	10				8	0	3	LL.
	12				8	0	3	LL.
	14				8	0	4	LL.
	15				8	0	4	LL.
10	9	41.2	27.1	1.15	8	1	5	
	10	40.0	27.2	1.04	8	1	5	
	12	49.2	31.1	1.47	6	5	5	
	14	37.5	28.2	0.73	8	0	5	
	15				8	0	4	LL.
11	9	46.3	28.3	1.46	0	5	5	
	10	49.5	30.5	1.54	0	5	5	
	12	50.2	32.3	1.46	2	5	5	
	14	48.0	32.3	1.28	4	3	5	
	15	48.3	32.0	1.33	6	3	5	
12	9	42.0	23.5	1.50	2	5	5	
	10	43.9	29.6	1.16	2	5	5	
	12	46.6	27.0	1.59	8	1	5	
	14	38.4	24.2	1.15	1	8	4	
	15	38.3	23.6	1.20	8	1	4	
13	9	42.2	23.3	1.54	0	5	5	
	10	44.5	25.0	1.58	2	5	4	B.
	12	45.8	36.5	0.76	1	5	5	
	14	46.3	28.0	1.49	0	5	5	
	15	35.5	21.1	1.17	0	5	5	
14	9	45.2	26.7	1.50	0	5	5	
	10	47.0	28.3	1.52	1	5	5	
	12	45.7	29.5	1.32	7	3	5	
	14	47.3	30.0	1.41	7	2	5	
	15	49.8	31.0	1.53	6	2	5	
15	9	47.2	29.0	1.48	2	5	5	
	10	48.2	30.5	1.54	1	5	5	
	12	51.3	33.2	1.47	1	5	5	
	14	51.8	33.2	1.51	2	5	5	
	15	51.5	33.3	1.48	2	5	5	
16	9	34.6	26.6	0.65	7	1	5	
	10	49.3	31.6	1.44	7	1	5	
	12	41.0	31.5	0.77	8	3	5	
	14	54.0	34.7	1.57	6	3	5	
	15	47.0	32.2	1.20	6	3	5	
17	9	38.6	24.7	1.13	7	2	5	
	10	37.4	24.4	1.06	7	1	5	
	12	44.0	27.5	1.34	7	1	5	
	14	32.0	23.7	0.67	8	1	5	
	15	39.0	26.3	1.03	7	1	5	
18	9	36.0	22.4	1.10	7	2	5	
	10	28.2	19.2	0.73	8	0	4	
	12	35.7	22.3	1.09	7	0	5	
	14	34.5	22.7	0.96	7	0	5	
	15	47.8	27.0	1.69	7	5	5	
19	9	40.0	22.2	1.45	6	4	5	
	10	44.0	25.0	1.54	4	3	5	
	12	47.8	27.0	1.69	6	3	5	
	14	39.0	25.2	1.12	7	0	5	
	15	37.6	25.2	1.01	7	0	5	
20	9	35.0	21.7	1.08	5	3	5	
	10	47.4	27.8	1.59	6	3	5	
	12	53.4	31.7	1.76	6	3	5	
	14	50.4	33.4	1.38	6	3	5	
	15	52.0	32.4	1.59	6	3	5	
21	9	48.7	28.5	1.64	2	5	5	
	10	46.5	28.4	1.47	3	3	5	
	12	53.9	33.0	1.70	5	3	5	
	14	50.8	32.3	1.50	2	5	5	
	15	49.7	32.2	1.42	1	5	5	
22	9	38.3	23.2	1.23	6	2	5	
	10	43.3	25.2	1.47	3	3	5	
	12	46.5	28.5	1.46	1	3	5	
	14	49.5	31.0	1.50	2	5	5	
	15	46.2	30.0	1.32	1	5	5	
23	9	41.4	21.9	1.58	0	5	5	
	10	44.0	24.0	1.63	1	5	5	
	12	47.7	28.2	1.58	1	5	5	
	14	47.8	28.8	1.54	2	5	4	B.
	15	44.8	27.5	1.41	1	5	5	
24	9	44.0	25.8	1.48	0	5	5	
	10	47.2	28.3	1.54	0	5	5	
	12	49.8	31.5	1.49	0	5	5	
	14	50.3	32.8	1.42	0	5	5	
	15	49.7	33.6	1.31	0	5	5	
25	9	40.4	29.6	0.88	8	2	4	B.
	10	30.0	25.5	0.36	8	1	4	B.
	12	27.5	24.5	0.24	8	0	4	B.
	14	49.6	33.4	1.32	6	0	4	B.
	15	44.5	32.3	0.99	5	3	4	B.
26	9	51.8	34.3	1.42	0	5	5	
	10	54.5	36.5	1.46	0	5	5	
	12	56.5	39.2	1.41	0	5	5	
	14	56.7	39.8	1.37	0	5	5	
	15	55.2	39.2	1.30	0	5	5	
27	9	50.5	36.0	1.18	7	2	4	B.
	10				8	0	4	LL.
	12	29.8	23.0	0.55	8	0	5	
	14	26.0	22.8	0.26	8	0	5	
	15	26.3	23.3	0.24	8	0	5	
28	9	43.8	27.0	1.36	8	5	5	
	10	48.5	29.5	1.54	6	5	5	
	12	51.8	32.9	1.54	5	5	5	
	14	52.5	35.0	1.42	8	5	5	
	15	52.0	35.0	1.38	8	5	5	
29	9	46.3	32.0	1.16	5	4	5	
	10	50.6	33.5	1.39	7	5	4	B.
	12	52.6	35.6	1.38	7	5	4	B.
	14	48.8	32.8	1.30	7	4	5	
	15	48.8	31.8	1.38	5	5	5	
30	9	48.3	31.7	1.35	6	5	5	
	10	52.7	34.2	1.50	6	5	4	B.
	12	53.2	37.0	1.32	7	5	4	B.
	14	48.3	33.0	1.24	8	4	5	
	15	44.5	34.5	0.81	8	1	5	
31	9	45.7	29.8	1.29	3	5	4	B.
	10	48.8	31.3	1.42	2	5	4	B.
	12	50.9	33.2	1.44	1	5	4	B.
	14	49.0	31.7	1.41	2	5	4	B.
	15	47.6	31.2	1.33	0	5	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	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	13.2	14.2	93
2	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8			11.1	14.2	78
3								0.1	0.9	0.8	0.9	0.9	0.4		4.0	14.2	28
4				0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	10.5	14.2	74
5	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	14.2	90
6	0.3	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9		12.1	14.2	85
7			0.5	0.1	0.5	0.4	0.3	0.1	0.7	0.5	0.4				3.5	14.2	25
8						1.0	0.8	0.6	0.7	0.8	1.0	1.0	0.9		6.8	14.3	48
9															0.0	14.3	00
10		0.4	0.9	0.9	0.8	0.2	0.6	1.0	0.8						5.6	14.3	39
11	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.4	12.7	14.3	89
12	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.6	0.3	0.1	0.1		9.2	14.3	64
13	0.6	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	13.2	14.3	92
14	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	1.0	1.0	0.2		11.5	14.3	80
15	0.2	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.4	12.3	14.3	86
16	0.3	0.6	1.0	0.7	0.6	1.0	0.7	0.8	1.0	1.0	0.7	0.7	1.0	0.1	10.2	14.3	71
17	0.5	1.0	1.0	1.0	0.6	0.6	0.6	0.5	0.1	0.6	1.0	1.0	1.0	0.4	9.9	14.3	69
18			0.3	0.2	0.3		0.3	0.6	0.3	0.6	0.4	0.3			3.3	14.3	23
19	0.4	1.0	0.8	1.0	1.0	1.0			0.3	0.6	0.4	0.1	0.5		7.1	14.3	50
20			0.3	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	10.6	14.3	74
21	0.2	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.5	14.3	87
22	0.2	1.0	0.3	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	11.6	14.3	81
23	0.6	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	13.1	14.3	92
24	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	14.3	90
25			0.5	0.8	0.2				0.4	0.6	1.0	0.5	0.9	0.1	4.5	14.3	32
26	0.6	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	13.1	14.3	92
27		0.5	1.0	1.0	0.3										2.8	14.3	20
28		0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	0.6	11.9	14.3	83
29	0.4	1.0	0.8	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	12.4	14.3	87
30	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			0.3	1.0	0.3	10.1	14.3	71
31	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	0.2	12.6	14.3	88
Medias	0.3	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.3	9.6	14.3	67

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	21.7	25.6	24.0	21.7	24.5	24.0	21.0	21.4	22.0	21.7	21.4	21.8	24.8	24.4	24.5
2	21.9	25.9	24.6	21.8	24.5	24.1	20.8	21.4	22.2	21.6	21.6	22.0	24.7	24.5	24.5
3	22.8	25.0	24.0	22.7	23.8	23.9	21.2	21.8	21.8	21.8	21.8	22.0	24.7	24.9	24.0
4	21.1	24.2	22.6	21.7	23.6	22.8	20.7	21.0	21.4	21.2	21.1	21.4	24.6	24.5	24.5
5	20.4	23.4	22.4	20.6	22.7	22.3	20.0	20.1	21.8	21.1	20.8	22.1	24.4	24.3	24.2
6	21.2	25.0	21.3	21.0	23.5	23.0	20.0	20.8	21.3	21.0	20.8	21.3	24.4	24.4	24.3
7	22.0	24.3	23.3	21.8	23.2	23.0	20.8	21.0	21.4	21.4	21.4	21.4	24.5	24.5	24.5
8	21.6	21.8	22.8	21.6	22.9	22.6	20.6	20.8	21.2	21.4	21.2	21.4	24.6	24.6	24.4
9	21.6	21.3	21.0	21.5	21.3	21.0	20.3	20.0	19.8	21.0	20.7	20.6	24.4	24.4	24.3
10	19.8	23.5	21.8	19.9	22.3	21.5	18.8	19.4	20.2	20.0	19.7	20.4	23.6	23.4	23.2
11	20.6	24.5	23.0	20.2	23.2	22.9	19.4	19.8	20.6	20.2	19.9	20.4	23.6	23.3	23.4
12	21.3	23.7	22.0	20.7	22.9	20.6	19.7	20.0	21.0	21.8	20.4	23.9	23.9	23.7	24.5
13	19.2	22.9	20.2	19.3	22.0	23.3	19.0	19.4	19.8	20.2	20.2	20.2	23.9	23.1	23.5
14	20.0	21.6	22.0	20.1	22.4	22.1	19.2	19.6	20.2	20.0	20.0	20.3	23.7	23.6	23.5
15	21.6	24.8	23.6	21.2	23.5	23.1	20.2	20.4	21.2	20.7	20.6	21.2	24.0	23.8	24.0
16	22.2	24.8	23.6	22.0	23.6	23.5	20.8	21.0	21.6	21.2	21.0	21.6	24.4	24.3	24.4
17	21.4	22.8	22.0	21.6	22.5	22.3	20.5	20.6	20.8	21.2	21.0	20.6	24.6	24.4	24.4
18	20.2	21.2	21.0	20.4	21.1	21.0	19.8	19.5	19.8	20.8	20.2	20.6	24.2	24.1	24.0
19	18.5	20.8	20.9	19.0	20.4	20.6	18.5	19.1	19.2	20.0	19.5	20.0	23.8	23.5	23.8
20	20.2	23.6	20.2	20.0	20.1	22.0	19.0	19.8	22.3	20.0	20.0	20.4	23.6	23.6	23.7
21	20.4	24.1	22.8	20.2	22.6	22.6	19.4	19.0	20.8	20.4	20.0	20.8	23.8	23.7	23.8
22	20.7	24.3	22.6	20.6	22.7	22.4	19.3	22.3	20.8	20.7	20.7	20.8	24.0	24.0	24.0
23	19.5	23.6	21.7	18.8	22.3	21.8	19.6	20.2	20.6	20.6	20.3	20.8	24.0	24.0	24.0
24	19.0	23.4	22.4	19.5	22.2	22.1	19.0	19.4	20.1	20.2	20.0	20.3	23.9	23.8	23.7
25	21.8	23.0	23.0	21.2	22.1	22.4	20.2	20.1	20.4	20.8	20.7	20.6	24.1	24.1	24.0
26	21.3	25.9	24.2	20.8	23.9	23.8	19.0	20.5	19.4	20.4	20.5	21.2	24.0	24.1	24.1
27	22.6	23.4	23.2	22.2	22.8	22.8	20.8	21.0	21.0	21.4	21.0	21.4	24.5	24.4	24.4
28	21.6	25.4	24.3	21.4	23.7	23.6	20.6	21.0	21.6	21.2	21.3	21.6	24.5	24.5	24.5
29	22.8	26.7	21.5	22.4	25.0	23.8	20.9	21.7	22.0	21.3	21.5	22.0	24.7	24.8	24.8
30	21.6	25.8	24.4	21.8	24.3	24.2	20.8	21.4	22.0	21.5	21.5	21.8	23.8	25.0	24.9
31	22.1	26.4	24.4	22.2	24.5	24.1	21.1	21.7	22.4	21.8	21.9	22.4	25.2	25.1	25.2
Prom.	21.1	24.0	22.6	21.0	22.9	22.7	20.0	20.5	21.0	20.9	20.7	21.2	24.2	24.2	24.2

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					1	0.5	2.6	2.4	6.1							11515
2	0.1	0.5	0.0	0.0	0	1.1	3.8	2.1	8.4							11522
3	16.4	17.0	15.7	16.0	1	2.5	0.8	1.5	3.0	-	-	-	-			11527
4					2	0.7	1.3	1.6	3.3							11548
5					1	0.4	1.5	1.3	3.5							11547
6					0	0.7	2.1	1.6	4.3							11549
7	8.8	9.1	8.9	8.6	0	0.6	1.9	1.0	3.7							11553
8	1.6	2.2	1.4	11.5	2	0.8	1.0	1.0	2.4	S. 11	14.6	13.8	20.5			11578
9	15.8	16.3	16.0	-	2	0.4	0.1	0.1	0.5							11577
10	16.5	17.3	17.2	15.5	2	0.3	1.0	0.2	1.6							11568
11	0.0	2.0	0.0	1.3	2	0.4	1.9	1.4	4.3							11570
12					1	1.0	1.3	1.2	3.1							11580
13					0	0.6	1.5	1.3	3.7	S. 12	22.0	18.4	17.2			11589
14					0	0.9	2.0	1.6	5.8							11582
15					0	2.2	2.6	2.3	6.8							11586
16					0	1.9	1.9	2.1	5.3							11587
17	0.0	0.0	0.0	0.0	0	1.3	1.4	1.5	3.5							11502
18					0	0.6	1.3	1.6	3.6	S. 13	11.4	12.2	18.4	18.2		11509
19					0	0.7	1.1	1.5	3.4							11505
20					0	0.8	1.7	2.1	4.2							11614
21					0	0.4	1.5	2.1	4.1							11622
22					0	0.5	1.8	2.1	4.8							11636
23					0	0.9	1.6	2.3	5.8	S. 14	9.2	9.0	16.2			11646
24					0	1.9	2.9	3.2	7.9							11649
25	0.0	0.0	0.0	0.0	0	1.8	1.8	2.2	5.3							11651
26					0	1.3	2.9	4.4	8.5							11659
27	0.0	2.6	1.6	1.7	0	1.2	1.6	0.6	4.0							11667
28					0	1.8	2.0	2.0	5.3	-	-	-	-			11683
29					0	1.3	0.2	1.9	3.7							11681
30					0	1.6	2.8	2.8	7.0							11699
31					0	1.4	2.3	1.8	6.1							11718
Prom.	59.2	67.0	60.8	-	-	1.1	1.7	1.8	4.6	-	-	-	-	-	-	11594

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		
-	-	-	20.7	20.9	20.9	17.7	16.8	1.1	Cn. m., Ca. t. y n., r. m.
-	-	-	21.0	21.1	21.1	17.8	16.9	11.6	Cn. m. t. y n., R. n.
-	-	-	21.0	21.0	21.1	18.0	16.9	17.6	Cn. m. t. y n., Ne. m., Ru. LL. t., R. n.
-	-	-	21.2	21.3	21.3	18.0	16.9	14.9	Cn. t., Ca. m. y n., r. n.
-	-	-	21.3	21.4	21.4	18.1	17.0	10.4	Ca. m. t. y n., r. m. y n., Ne. m.
-	-	-	21.3	21.3	21.3	18.1	17.2	10.7	Cn. m. t. y n., r. m.
-	-	-	21.3	21.3	21.3	18.3	17.1	13.0	Cn. m. t. y n., Ru. LL. t., P. t.
-	-	-	21.4	21.4	20.3	18.3	17.3	15.7	Cn. m. y t., Ca. n., Ne. t.
-	-	-	21.4	21.4	21.4	18.5	17.1	14.6	Cn. m. t. y n., LL. m. y t., Ru. m. y t., P. t.
-	-	-	21.5	21.5	21.5	18.5	17.2	10.4	Cn. m. y t., Ca. n., Ru. LL. t.
-	-	-	21.3	21.3	21.3	18.6	17.1	9.1	Ca. m. y t., Cn. n., Z. t.
-	-	-	21.4	21.4	21.5	18.7	17.3	10.4	Ca. m. y n., Cn. t., r. m. y n.
-	-	-	21.3	21.3	21.4	18.7	17.2	4.6	Ca. m. t. y n., r. m.
-	-	-	21.4	21.4	21.5	18.8	17.3	-	Ca. m., Cn. t. y n., r. m.
-	-	-	21.3	21.4	21.4	18.7	17.2	15.1	Ca. m. t. y n.
-	-	-	21.5	21.5	21.5	18.8	17.3	13.6	Cn. m. y n., Ca. t.
-	-	-	21.5	21.6	21.6	18.9	17.4	11.1	Cn. m. y t., Ca. n.
-	-	-	21.6	21.6	21.6	19.0	17.4	6.4	Cn. m. t. y n., Z. m.
-	-	-	21.7	21.6	21.5	19.0	17.5	5.0	Cn. m. t. y n., r. m.
-	-	-	21.6	21.6	21.6	19.0	17.8	12.4	Cn. m. y t., Ca. n.
-	-	-	21.5	21.5	21.5	19.0	17.8	9.0	Cn. m., Ca. t. y n.
-	-	-	21.5	21.5	21.5	19.2	17.8	8.8	Cn. m. y t., Ca. n.
-	-	-	21.5	21.6	21.6	19.2	17.8	1.5	Ca. m. t. y n., B. t.
-	-	-	21.5	21.6	21.7	19.2	17.7	4.8	Ca. m. t. y n.
-	-	-	21.7	21.7	21.7	19.2	18.0	-	Cn. m. t. y n., Z. t., B. t., Dl. n.
-	-	-	21.7	21.7	21.6	19.3	17.7	9.1	Ca. m. t. y n.
-	-	-	21.7	21.7	21.7	19.4	17.8	-	Cn. m. t. y n., Tv. m., LL. Ru. m., B. n.
-	-	-	21.7	21.7	21.7	19.4	17.8	14.1	Cn. m. y t., Ca. n.
-	-	-	21.9	21.9	21.8	19.4	17.8	13.5	Cn. m. y t., Ca. n.
-	-	-	21.8	21.9	22.0	19.5	17.8	11.3	Ca. m. y n., Cn. t., B. t.
-	-	-	22.0	22.1	22.1	19.5	17.9	11.5	Ca. m. t. y n., B. m. y t.
-	-	-	21.5	21.5	21.5	18.8	17.4	10.4	

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	57.0	63.4	8	8-9	51.2	10	19	20.1	26.2	14.3	31.0	2	12-13	9.8	5	4	8.0	14.2	56
2ª	57.9	65.4	13	8,9	52.5	16	17	18.7	24.8	12.6	29.6	16	14-15	7.3	19	5	10.0	14.3	70
3ª	55.0	62.0	23	8,9	49.2	25	17	21.5	29.5	14.0	35.0	26	15	6.1	23	5-6	10.7	14.3	75
MES	56.6	65.4	13	8,9	49.2	25	17	20.2	26.9	13.6	35.0	26	15	6.1	23	5-6	9.6	14.3	67

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	77	100	varios	33	1	12.9	19.0	7.8	SE	8	60	9	26	9	19-20	40	SW	10	15.11	62.4	17.3	10	17.0	3	18.30-19.30
2ª	73	100	varios	38	16	11.2	16.5	6.6	SW	9	60	15,20	23	15	8-9	29	SW	18	15.08	2.0	2.0	11	2.0	12	1.30-2.30
3ª	67	100	varios	21	30	11.9	19.5	6.2	E	12	84	24	34	26	12-13	57	NW	27	9.38	2.6	2.6	27	2.6	27	10-11
MES	72	100	varios	21	30	12.0	19.5	6.2	E	9	84	24	34	26	12-13	57	NW	27	9.38	67.0	17.3	10	17.0	3	18.30-19.30

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	-	3	-	-	-	-	5	-	-	-	-	-	-	1	5	6
2ª	6	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-
3ª	3	5	-	-	-	-	-	1	-	-	-	-	-	-	2	1	1
MES	20	5	3	-	-	-	-	7	2	-	-	-	-	-	3	6	7

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°
	⌒	⌐	V	▼	⊠	⊕	⊖	⊖	∪	⌒	⋈	◔	◕	∨	∧	⩚
1ª	4	-	-	-	-	-	-	-	-	2	-	1	3	-	6	-
2ª	4	-	-	-	-	-	-	-	-	-	-	3	1	-	5	-
3ª	-	-	-	-	-	-	-	1	-	-	-	-	1	-	10	1
MES	8	-	-	-	-	-	-	1	-	2	-	4	5	-	21	1

Typis privatis Spec.Phys.cosm.Sanct.Michaelis