OBSERVATORIO DE FISICA COSMICA

DE

SAN MIGUEL (R. ARGENTINA)

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

ARGENTINE SCIENCES
N.O.A.A.
U. S. Dept. of Commerce

BOLETIN MENSUAL

GEOELECTRICIDAD Y METEOROLOGIA

VOLUMEN IX

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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° hasta XX).
6. Símbolos adoptados: si no se expresa lo contrario las letras y símbolos que distinguen a los elementos meteorológicos, responden a lo consignado 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 ionic 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".
   "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.
   +∞,-∞ : 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.
   ±∞ : 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 TELURICAS

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 (a/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, habiéndoseles 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.); R-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 R-Z CE5423.
18. Ocurrencia de hidrometeoros y otros fenómenos.- No habiendo sido posible adquirir caracteres especiales de imprenta valen las siguientes denominaciones:

LL: lluvia.-
Z : llovizna.-
Ni: nieve.-
AN: agua-nieve.-
CH: chaparrones.-
Chni: chaparrones de nieve.-
CHan: chaparrones de agua-nieve.-
G : granizo.-
Gb: granizo blando.-
Pi: piedra.-
N : niebla.-
Ne: neblina.-
Ns: niebla del suelo.-
B : bruma.-
Vx: aire diáfano - Visib. extr.-
Cn: cielo cubierto.-
Ca: cielo claro.-
Ru: tormentas (relámp. y truen.).-
R : relámpagos.-
Tv: vientos fuertes.-
r : rocío.-
h : helada.-
ns: suelo cubierto de nieve.-
Gh: granos de hielo.-
ah: agujas de hielo.-
H : cencellada blanda.-
Ha: 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

El aire fresco que avanza hacia el Norte origina un marcado descenso de la temperatura (11°C en 5 horas), en la tarde del primer día del año. Con temperaturas inferiores a la normal reina tiempo bueno en los días siguientes. El 5 empeora el tiempo y llueve durante la tarde y noche, hasta que llega aire fresco de origen polar al Río de la Plata. Aunque se restablece el buen tiempo, al día siguiente se registra el promedio de la temperatura más baja de todo el mes con 16.1°C. Continúa el aflujo de aire fresco y a pesar del buen tiempo reinante, la temperatura se mantiene de 2 a 3°C por debajo del término medio. Recién al final de la década sube la temperatura con vientos del Norte, mientras la presión baja al valor mínimo mensual de 745.8 mmHg.

La segunda década empieza también con tiempo inestable, registrándose lluvias producidas por el pasaje de un frente frío. En esta aeromasa fresca baja la temperatura al mínimo mensual de 11.3°C el día 12. El viento cambia al Norte y los días siguientes son de tiempo bueno y caluroso. En la mitad de la década, el tiempo se vuelve cada vez más inestable y durante los días 16 a 18 el Observatorio se encuentra en una zona frontal con elevada nubosidad, lluvias aisladas y marcadas fluctuaciones de la temperatura. En los dos últimos días de la década sube la temperatura en forma pronunciada y se registra por la tarde del día 20 la máxima del mes con 35.8°C en un ambiente de aire tropical.

Tiempo muy húmedo y caluroso reina el 21 con las lluvias más intensas del mes (30 mm en 24 horas). En una zona frontal entre el aire tropical y el más seco y fresco se forma una depresión sobre el norte de la Prov. de Buenos Aires. Tiempo inestable con lluvias intermitentes reina hasta el 26. El tiempo mejora solo durante dos días, registrándose el 28 el último empuje de aire fresco, el que desencadena lluvias por la mañana de este día y del siguiente. En esta masa de aire húmedo sube la tensión del vapor al valor máximo mensual con 22.5 mmHg. Durante los últimos días del mes reina tiempo bueno con temperaturas y presión en continuo aumento, de modo que la presión atmosférica registra el máximo valor mensual con 762.0 mmHg el 31.

La inestabilidad del tiempo predominante se expresa también en los promedios mensuales, registrando desviaciones negativas la presión atmosférica y la heliofanía, y sobrepasando los valores normales la nubosidad, temperatura y lluvia.

ENERO/954

POTENCIAL ATMOSFÉRICO en V/M.

DIAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	104	83	76	104	117	159	117	117	152	110	104	69	34	14	- 55
2	34	62	69	76	83	90	83	104	104	83	28	- 21	14	55	69
3	41	48	41	48	41	28	41	90	28	- 76	-281	-224	-124	-110	- 83
4	62	55	55	55	62	55	28	-358	-486	-740	-732	-594	-702	-579	-540
5	- 7	14	28	41	28	7	14	41	55	83	90	± ∞	± ∞	138	∞
6	55	55	28	21	28	41	62	145	152	117	97	83	69	55	48
7	90	110	110	97	69	83	83	110	110	97	90	69	69	55	62
8	97	83	104	97	97	145	152	104	-	-	-	-	-	-	-
9	124	104	97	104	138	110	117	124	97	90	62	69	62	76	76
10	55	55	55	69	55	62	62	83	41	- 21	- 7	14	-267	21	± ∞
11	-124	-110	- 34	28	55	69	97	145	131	97	62	69	62	76	∞
12	41	69	76	83	83	97	104	83	110	97	76	69	69	97	97
13	138	110	62	83	83	104	104	62	97	62	41	41	41	21	28
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	69	48	55	41	62	131	124	124	76	- 7	- 90	- 62	14	14	- 14
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	62	70	70	62	46	44	39	46	41
19	22	10	10	17	29	19	99	51	39	53	56	69	66	66	64
20	48	41	∞	124	± ∞	∞	104	131	-	-	-	-	-	-	-
21	83	69	83	90	83	117	172	± ∞	-	-	-	-	-	-	-
22	69	76	90	90	110	124	179	368	529	310	252	193	104	97	97
23	53	69	62	44	51	48	48	41	± ∞	± ∞	± ∞	± ∞	± ∞	70	62
24	27	29	39	36	39	46	48	34	46	72	91	85	83	78	78
25	-	-	-	-	-	-	-	97	166	252	- 28	200	166	179	179
26	- 21	48	76	138	172	179	55	62	145	200	172	104	90	83	90
27	76	64	41	24	- 33	- 33	- 20	10	39	62	60	58	66	95	70
28	166	69	62	90	- ∞	± ∞	± ∞	- 14	152	414	408	357	310	304	310
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	138	55	28	28	34	34	55	110	131	117	138	117	104	104	110
31	69	41	48	41	41	69	220	-	-	-	-	-	-	-	97
Prom.	54.3	67.4	69.6	78.6	89.8	93.3	99.9	134.7	168.8	137.7	115.0	93.7	75.6	75.6	76.3

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	0.72	0.84	1.56	0.86	416	480	896	0.86	1.21	1.23
2	0.90	0.91	1.81	0.99	460	487	947	0.96	1.36	1.31
3	0.78	0.96	1.74	0.81	430	526	956	0.82	1.27	1.28
4	0.72	0.84	1.66	0.86	275	537	812	0.51	1.83	1.10
5	0.60	0.76	1.36	0.79	420	521	941	0,81	1.00	1.02
6	0.81	0.86	1.67	0.94	548	633	1181	0.87	1.03	0.95
7	0.47	0.49	0.96	0.96	381	452	833	0.84	0.86	0.76
8	0.71	0.79	1.50	0.90	442	466	808	0.95	1.12	1.18
9	0.69	0.74	1.43	0.93	372	413	785	0.90	1.29	1.25
10	0.78	0.95	1.73	0.82	406	577	983	0.70	1.34	1.15
11	0.95	1.06	2.01	0.89	470	590	1060	0.80	1.41	1.26
12	0.82	0.83	1.65	0.99	506	577	1083	0.88	1.13	1.00
13	0.73	0.78	1.51	0.94	402	445	847	0.88	1.27	1.22
14	0.48	0.54	1:02	0.89	365	365	730	1.00	0.92	1.03
15	0.80	0.86	1.66	0.93	401	466	867	0.86	1.39	1.29
16	0.64	0.77	1.41	0.83	307	416	723	0.74	1.46	1.30
17	0.74	0.88	1.62	0.84	405	553	958	0.73	1.27	1.11
18	0.90	0.99	1.89	0.91	819	528	1347	1.55	0.77	1.31
19	0.91	0.95	1.86	0.96	556	514	1070	1.08	1.12	1.29
20	0.80	0.83	1.63	0.96	479	462	941	1.04	1.17	1.25
21	0.84	0.86	1.70	0.98	582	373	935	1.56	1.01	1.61
22	0.57	0.56	1.13	1.02	322	254	576	1.27	1.24	1.54
23	1.02	1.07	2.09	0.95	380	420	800	0.90	1.88	1.78
24	0.91	0.88	1.79	1.03	586	440	1026	1.33	1.09	1.40
25	0.77	0.72	1.49	1.07	292	217	509	1.34	1.84	2.32
26	0.62	0.62	1.24	1.00	325	333	658	0.98	1.33	1.30
27	0.90	0.96	1.86	0.94	421	312	733	1.35	1.50	2.15
28	0.75	0.82	1.62	0,91	405	245	650	1.65	1.29	2.34
29	0.59	0.63	1.22	0.94	347	358	705	0.97	1.19	1.23
30	0.78	0.86	1.64	0.91	268	267	535	1.00	2.04	2.25
31	0.81	0.84	1.65	0.97	387	320	707	1.21	1.46	1.84
Prom.	0.77	0.83	1.60	0.93	420	446	866	0.94	1.28	1.30

-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplit.	Tipo de Curva
152	-374	-342	-167	-167	- 41	- 21	7	7		207	-632	839	2
69	14	14	97	138	159	117	76	55		207	-138	345	2
21	7	21	62	55	83	41	207	69		402	-624	1026	2
422	-246	-138	21	152	138	97	152	90		535	-1013	1548	2
76	62	34	- 41	± ∞	± ∞	± ∞	- 55	- 21		∞	- ∞	-	3*
48	48	55	69	62	83	90	90	97	70.8	193	14	179	0
97	90	55	83	117	117	97	- 55	14	80.0	824	-901	1725	1
69	69	62	69	69	69	179	186	213		374	00	374	0*
83	41	41	83	117	110	117	97	69	92.0	259	- 41	300	1
55	- ∞	± ∞	± ∞	± ∞	± ∞	± ∞	76	41		∞	- ∞	-	3*
∞	± ∞	- 34	34	41	28	28	34	34		∞	- ∞	-	3*
124	97	117	131	172	124	104	83	83	95.2	193	14	179	0
34	34	41	55	117	104	90	97	131		272	- 28	290	2
-	-	-	-	-	-	-	-	-		-	-	-	-
-	-	-	-	-	-	-	-	-		-	-	-	-
-	-	-	-	-	-	-	-	-		166	-159	325	1*
-	-	-	-	-	-	-	-	-		-	-	-	-
34	36	44	97	29	31	27	44	29		152	- 90	42	1*
56	44	48	60	87	113	113	72	72	55.6	173	00	173	0
-	-	-	-	-	131	124	117	152		∞	- ∞	-	3*
-	-	-	-	-	-	-	55	21		∞	- ∞	-	3*
131	104	124	117	193	213	166	110	69	163.1	658	48	610	0
53	64	60	60	44	44	56	41	24		∞	- ∞	-	3*
78	74	70	60	± ∞	± ∞	± ∞	± ∞	± ∞		∞	- ∞	-	3*
166	145	124	110	152	110	104	138	41		443	-224	667	1*
97	83	76	69	90	110	213	85	115	105.4	529	- 97	626	1
53	62	60	66	66	66	53	152	56		214	- 59	273	2
213	110	14	14	-210	97	152	41	97		∞	- ∞	-	3*
-	-	-	-	-	-	-	-	-		-	-	-	-
-	-	-	-	-	-	152	83	117		658	-310	968	1*
76	90	83	97	131	138	166	90	124		322	- 7	329	1*
90.8	72.4	73.7	87.4	119.7	124.7	128.6	68.8	74.1	94.6				

IONES PESADOS número "N" por cm³				CORRIENTE VERTICAL "i" . 10^{-7} U.E.S. por cm²	NÚCLEOS AITKEN por cm³
N^+	N^-	$N^+ + N^-$	N^+ / N^-		
9529	9494	19023	1.01	-	28,250
10992	9644	20636	1.14	-	23,000
10540	9378	19918	1.12	-	-
10275	9825	20090	1.05	-	20,500
9816	8870	18686	1.10	-	28,250
7141	7404	14545	0.96	3.97	10,750
11571	10688	22259	1.08	2.56	12,000
14154	11777	25931	1.20	-	26,000
11663	10539	22202	1.10	4.39	-
10012	7881	17893	1.27	-	30,000
5797	6465	12262	0.90	-	21,500
10878	10356	21234	1.05	4.50	37,750
9162	9270	18432	0.99	-	20,750
10666	9068	19734	1.18	-	41,750
8442	9796	18238	0.86	-	-
9497	10806	20303	0.88	-	25,750
6799	9213	16012	0.74	-	27,250
7474	6991	14465	1.07	-	16,500
8475	8784	17259	0.97	3.45	-
4260	3888	8148	1.10	-	8,500
2949	4151	7100	0.71	-	9,750
5900	4225	10125	1.39	6.16	-
4935	4149	9084	1.16	-	25,250
4954	4299	9253	1.15	-	26,750
5572	5642	11214	0.99	-	17,250
9066	10410	19476	0.87	4.37	13,500
5691	6657	12348	0.86	-	12,000
7093	9481	16574	0.75	-	36,250
8711	8780	17491	0.99	-	23,250
14986	15900	30886	0.94	-	-
10882	10576	21458	1.03	-	-
8746	8522	17268	1.03	4.20	22,604

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

día \ hora	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	0.46	0.66	0.72	0.62	0.50	0.76	-	-	0.79	0.62	0.89
2	0.82	1.17	1.00	0.83	0.71	0.90	-	-	-	-	-	-
3	-	-	-	-	-	-	-	0.51	0.54	0.77	0.70	0.73
4	-	-	-	0.69	0.73	0.75	0.71	0.79	0.84	-	-	-
5	0.62	0.74	0.69	0.51	0.52	-	-	0.50	0.65	-	-	-
6	-	-	-	-	-	-	-	-	-	1.15	0.66	-
7	0.52	0.47	0.40	0.35	0.56	0.54	-	-	-	-	-	-
8	-	-	-	-	-	-	-	1.02	-	1.02	0.94	0.73
9	0.76	0.54	0.64	0.69	0.62	0.57	0.54	0.60	0.70	0.68	0.82	0.68
10	0.93	0.99	0.85	0.99	1.12	0.92	0.92	0.84	0.80	0.86	0.73	0.78
11	1.28	0.40	1.16	1.17	0.98	0.88	0.74	0.78	0.76	0.76	0.86	0.88
12	1.32	1.36	1.46	1.38	1.29	1.28	0.98	0.74	1.01	0.74	0.70	0.63
13	0.74	1.23	1.04	0.66	0.75	0.63	0.86	0.78	0.79	0.71	0.80	0.86
14	0.21	0.52	0.50	0.43	0.48	0.47	0.68	0.65	0.86	0.60	0.85	0.69
15	0.59	0.46	0.98	0.97	0.80	0.73	0.86	0.87	0.99	0.90	0.92	0.80
16	0.77	0.62	0.69	0.76	0.64	0.55	0.53	0.46	0.70	0.65	0.67	0.64
17	1.28	1.11	-	-	-	-	-	-	0.69	0.68	0.61	0.57
18	-	0.47	0.30	0.59	0.48	0.64	0.46	0.70	0.99	1.06	1.22	1.06
19	1.12	1.30	1.24	0.90	1.28	1.14	1.42	1.16	1.20	1.00	0.89	0.70
20	0.93	0.82	0.58	0.95	0.68	1.01	1.06	0.54	1.07	0.91	0.93	0.69
21	0.87	0.88	1.00	0.92	0.87	0.92	1.04	0.30	0.24	1.74	1.07	0.66
22	0.53	0.56	0.36	0.47	0.63	0.61	0.56	0.47	0.39	0.66	0.50	0.54
23	0.89	0.84	0.96	1.06	1.12	1.12	0.98	0.84	1.04	0.79	1.09	0.94
24	1.01	1.00	1.15	1.04	1.40	1.36	1.43	1.11	1.07	0.82	0.74	0.74
25	-	-	-	-	-	-	-	-	0.68	0.66	0.56	0.76
26	-	-	-	-	-	-	-	0.58	0.72	0.65	0.62	0.63
27	0.54	0.66	0.90	0.85	1.46	1.78	1.79	0.54	0.98	1.01	1.08	0.96
28	0.72	0.99	0.60	0.41	0.70	1.26	0.97	0.62	-	1.60	0.96	0.50
29	0.92	0.72	0.64	1.25	1.01	0.74	0.92	0.66	0.78	0.69	0.75	0.30
30	0.62	1.42	1.19	1.08	1.02	0.94	1.34	0.96	0.64	0.53	0.43	0.90
31	1.70	1.15	1.26	-	-	-	-	0.76	0.93	0.69	0.69	0.60
Promedio	0.84	0.84	0.84	0.82	0.85	0.88	0.93	0.71	0.87	0.86	0.79	0.71

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

día \ hora	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	0.39	0.44	0.55	0.70	0.72	0.51	0.82	-	-	0.79	0.67	0.90
2	0.88	0.97	1.18	0.86	0.82	0.78	0.91	-	-	-	-	-
3	-	-	-	-	-	-	-	0.62	0.70	0.95	0.93	0.87
4	-	-	-	0.84	0.88	0.92	0.89	1.02	-	-	-	-
5	0.88	0.82	0.79	0.58	0.92	-	-	0.62	0.68	-	-	-
6	-	-	-	-	-	-	-	-	-	-	0.74	0.79
7	0.53	0.46	0.44	0.39	0.46	0.66	0.51	-	-	-	-	-
8	-	-	-	-	-	-	-	1.00	1.02	1.17	1.02	1.00
9	0.58	0.56	0.68	0.58	0.64	0.56	0.62	0.74	0.86	0.73	0.87	0.76
10	1.00	1.08	0.90	1.14	1.16	1.10	0.92	1.00	0.96	1.02	0.86	0.75
11	1.42	1.10	1.36	1.14	0.80	0.84	0.83	0.86	0.80	0.89	0.96	0.98
12	1.41	1.44	1.28	1.28	1.22	1.16	0.97	0.74	0.79	0.72	0.67	0.67
13	0.86	1.12	1.05	0.88	0.76	0.66	0.94	0.90	0.71	0.73	0.88	0.88
14	0.30	0.60	0.51	0.44	0.42	0.46	0.66	0.72	0.90	0.87	0.96	0.84
15	0.57	0.65	0.77	0.98	0.76	0.74	0.98	0.92	1.10	1.00	1.00	0.96
16	0.82	0.69	0.73	0.86	0.72	0.46	0.46	0.87	0.84	0.77	0.80	0.76
17	1.76	-	-	-	-	-	-	-	0.79	0.76	0.76	0.76
18	-	0.95	0.82	1.10	0.82	0.86	0.55	0.63	1.01	1.04	1.20	1.02
19	1.24	1.40	1.40	1.10	1.02	1.14	1.22	1.40	1.24	1.14	0.82	0.86
20	0.91	0.91	0.42	1.03	1.12	0.92	0.96	0.83	0.91	1.07	0.92	0.82
21	0.86	0.88	0.83	0.98	0.80	0.88	0.66	1.08	0.30	1.38	0.45	0.78
22	0.37	0.58	0.44	0.46	0.50	0.48	0.46	0.42	0.39	0.64	0.48	0.56
23	0.96	0.90	1.08	1.15	1.15	1.08	1.00	0.87	1.25	0.82	1.52	1.10
24	1.04	0.88	1.02	1.02	1.24	1.29	1.35	1.24	1.00	0.80	0.65	0.77
25	-	-	-	-	-	-	-	-	0.46	0.58	0.92	0.62
26	-	-	-	-	-	-	-	0.49	0.68	0.66	0.58	0.66
27	0.56	0.70	0.80	1.05	1.98	1.81	1.86	0.60	1.06	1.07	1.07	1.19
28	0.80	0.86	0.58	1.04	1.00	1.52	0.97	1.02	-	-	0.66	0.57
29	0.82	0.80	0.72	0.60	0.63	0.82	1.25	0.57	0.76	0.69	0.72	0.64
30	0.92	1.62	1.21	1.10	1.18	1.14	1.56	0.59	0.62	0.64	0.51	0.57
31	1.93	1.35	1.57	-	-	-	-	0.79	0.80	0.69	0.69	0.68
Promedio	0.91	0.91	0.88	0.89	0.90	0.90	0.93	0.82	0.82	0.86	0.83	0.81

2-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
.89	0.78	0.87	0.64	0.50	0.55	0.84	0.68	0.82	0.73	1.12	0.86	0.72
-	-	-	-	-	-	-	-	-	-	-	-	0.90
.87	0.80	0.88	0.86	0.90	0.91	1.01	0.82	0.57	-	-	-	0.78
-	-	-	-	-	-	-	-	-	-	0.63	0.60	0.72
-	-	-	-	-	-	-	-	-	-	-	-	0.60
.66	0.76	0.82	-	0.88	0.80	0.84	0.86	0.78	1.04	0.66	0.66	0.81
-	-	-	-	-	-	-	-	-	-	-	-	0.47
.73	0.63	0.72	0.72	0.68	0.66	0.65	0.61	-	0.41	0.54	0.63	0.71
.75	0.89	0.92	0.85	0.85	0.70	0.80	0.61	0.44	0.48	0.66	0.76	0.69
.70	0.64	0.54	0.84	0.24	0.25	0.32	0.50	0.25	1.14	1.36	1.14	0.78
.79	1.05	1.20	0.92	1.19	0.69	0.94	0.94	0.84	1.15	1.18	1.22	0.95
.64	0.58	0.48	0.46	0.48	0.50	0.52	0.56	0.44	0.66	0.80	0.72	0.82
.70	0.72	0.84	0.89	0.66	0.59	0.68	0.55	0.38	0.40	0.61	0.76	0.73
.66	0.33	0.32	0.12	0.14	0.31	0.42	0.28	0.37	0.54	0.49	0.54	0.48
.82	0.88	0.92	0.80	0.89	0.78	0.63	0.76	0.55	0.64	0.78	0.80	0.80
.64	0.63	0.76	0.71	0.55	0.52	0.53	0.72	0.62	0.37	0.74	0.90	0.64
.74	0.69	0.74	0.72	0.42	0.50	0.73	0.70	0.78	0.89	-	-	0.74
.17	1.04	1.07	1.08	1.14	1.02	1.16	0.96	0.84	1.14	0.96	1.10	0.90
.90	0.82	0.69	0.64	0.84	0.85	0.96	0.58	0.46	0.58	0.70	0.54	0.91
.82	0.78	1.04	0.79	0.69	0.96	1.07	0.50	0.51	0.49	0.49	0.86	0.80
.64	0.99	0.66	1.04	0.92	1.06	0.48	0.70	1.01	0.96	0.72	0.58	0.84
.79	0.65	0.65	0.63	0.62	0.60	0.70	0.44	0.50	0.44	0.69	0.74	0.57
-	1.39	1.21	0.94	0.94	0.94	0.98	1.03	1.08	0.97	1.10	1.18	1.02
.78	0.88	0.76	0.74	0.80	0.74	0.52	0.64	0.46	-	-	-	0.91
.76	0.67	0.86	0.96	1.09	1.10	1.14	0.68	0.49	0.39	-	-	0.77
.79	0.78	0.81	0.78	0.72	0.62	0.50	0.70	0.38	0.60	0.36	0.38	0.62
1.12	0.72	0.69	0.93	0.78	0.80	0.80	0.60	0.54	0.76	0.65	0.60	0.90
.38	0.34	0.41	0.35	0.47	0.71	0.79	-	0.89	0.92	0.95	0.89	0.75
.62	0.52	0.50	0.44	0.45	0.45	0.60	0.55	0.63	0.60	0.51	0.50	0.59
.58	0.59	0.46	0.52	0.46	0.52	0.52	0.38	0.48	0.80	1.06	1.62	0.78
.70	0.76	0.82	0.87	0.83	0.93	0.78	0.72	0.30	0.56	0.61	0.59	0.81
0.76	0.75	0.76	0.76	0.71	0.70	0.74	0.66	0.59	0.71	0.78	0.82	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
1.00	0.92	1.04	0.84	0.94	0.95	1.12	0.90	0.94	1.10	0.94	1.30	0.84
-	-	-	-	-	-	-	-	-	-	-	-	0.91
1.03	1.02	1.12	1.24	1.10	1.07	1.17	0.96	0.70	-	-	-	0.96
-	-	-	-	-	-	-	-	-	-	0.69	0.66	0.84
-	-	-	-	-	-	-	-	-	-	-	-	0.76
0.80	0.98	0.89	0.91	1.00	0.94	0.98	0.89	0.77	1.06	0.69	0.66	0.86
-	-	-	-	-	-	-	-	-	-	-	-	0.49
0.80	0.74	0.77	0.74	0.74	0.74	0.74	0.56	1.09	0.34	0.50	0.50	0.79
0.82	0.91	0.94	0.89	0.90	0.74	0.90	0.60	0.53	0.50	0.78	0.98	0.74
0.95	0.80	0.74	0.82	0.62	0.76	0.49	0.66	1.14	1.07	1.50	1.29	0.95
0.94	1.16	1.07	0.86	1.03	1.15	1.02	1.08	1.04	1.42	1.34	1.42	1.06
0.67	0.55	0.46	0.55	0.55	0.52	0.58	0.64	0.56	0.72	0.92	0.82	0.83
0.82	0.94	0.92	0.94	0.76	0.76	0.73	0.55	0.42	0.42	0.60	0.58	0.78
0.74	-	0.38	0.28	0.28	0.40	0.48	0.36	0.44	0.46	0.48	0.51	0.54
0.86	0.93	0.92	0.89	1.04	0.89	0.70	0.80	0.64	0.66	1.23	0.77	0.86
0.80	0.83	0.74	0.94	0.70	0.70	0.66	0.83	0.72	0.54	0.94	1.27	0.77
0.93	0.73	0.92	0.86	0.60	0.86	0.58	0.83	1.18	-	-	-	0.88
1.31	1.12	1.04	1.18	0.94	1.01	1.02	0.81	1.14	1.14	0.91	1.06	0.99
0.88	0.90	0.73	0.72	0.98	0.85	0.90	0.60	0.48	0.62	0.57	0.58	0.95
0.94	0.88	1.09	0.78	0.86	1.12	0.79	0.53	0.46	0.57	0.48	0.58	0.83
0.65	1.31	0.74	0.54	1.02	0.68	0.78	1.68	1.07	1.00	0.62	0.55	0.86
0.83	0.72	0.64	0.62	0.64	0.67	0.60	0.37	0.46	0.50	0.69	0.81	0.56
-	1.54	1.15	0.98	0.97	0.97	1.00	0.96	0.94	1.00	1.02	1.10	1.07
0.80	0.90	0.80	0.72	0.80	0.76	0.56	0.45	0.39	-	-	-	0.88
0.60	0.71	0.80	0.97	0.99	0.98	0.87	0.56	0.42	0.56	-	-	0.72
0.80	0.76	0.78	0.90	0.76	0.68	0.56	0.52	0.36	0.52	0.38	0.42	0.62
1.12	0.78	0.76	0.92	0.78	0.84	0.90	0.58	0.58	0.76	0.56	0.60	0.96
0.44	0.40	0.41	0.39	0.46	0.90	0.92	1.00	1.04	1.04	1.09	0.87	0.82
0.69	0.56	0.52	0.48	0.50	0.60	0.62	0.62	0.68	0.62	0.60	0.37	0.63
0.59	0.59	0.50	0.51	0.50	0.62	0.44	0.46	0.46	1.08	1.20	1.95	0.86
0.72	0.74	0.89	0.91	0.79	0.93	0.68	0.54	0.36	0.55	0.58	0.58	0.84
0.83	0.86	0.81	0.79	0.78	0.82	0.77	0.72	0.70	0.76	0.80	0.84	0.83

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

día \ hora	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	434	347	347	521	707	608	608	521	434	521
2	521	434	521	521	434	434	608	707	608	521	521	608
3	434	434	347	260	347	347	608	955	521	434	347	260
4	260	347	347	347	434	434	521	521	347	260	174	174
5	260	347	347	347	260	347	260	347	347	347	-	-
6	608	521	608	608	521	521	608	868	707	608	521	608
7	174	174	260	174	260	174	347	707	707	608	521	521
8	260	174	174	174	347	347	434	521	608	707	868	868
9	347	347	347	260	347	347	434	521	434	521	521	434
10	434	521	434	608	521	521	434	608	521	347	347	347
11	434	260	347	521	347	434	434	434	521	608	434	521
12	782	782	782	782	707	707	909	955	707	608	521	434
13	390	521	434	347	347	347	434	521	569	521	521	521
14	260	260	260	260	260	347	434	521	434	521	608	521
15	260	260	347	434	347	347	521	521	608	608	608	521
16	347	347	260	260	260	260	260	260	434	260	347	434
17	434	434	347	347	260	347	260	434	434	434	434	521
18	-	-	-	-	-	-	-	2135	1515	1035	868	868
19	608	707	707	521	434	521	955	707	782	868	707	608
20	347	347	260	521	434	694	707	434	707	955	707	608
21	347	347	347	434	608	1035	955	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	521	434
23	347	347	434	347	434	434	347	347	-	-	-	-
24	-	-	-	-	-	-	-	-	707	868	955	707
25	-	-	608	521	-	-	-	-	-	-	-	-
26	86	86	174	174	174	174	260	347	347	434	434	521
27	260	260	260	347	260	434	608	521	608	608	608	868
28	434	434	347	521	608	868	782	521	608	521	260	260
29	347	260	347	260	347	434	434	434	608	434	434	434
30	174	174	174	260	260	260	521	434	521	434	347	347
31	260	260	347	260	260	521	521	521	434	521	434	434
Promedio	358	357	379	384	376	450	530	608	589	560	519	515

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

día \ hora	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	226	226	312	226	226	526	828	602	602	451	451
2	602	451	451	312	226	312	602	752	676	602	676	905
3	312	312	226	226	226	226	789	1120	828	828	828	676
4	312	312	312	312	376	451	676	1188	1250	1120	905	752
5	376	451	376	376	226	312	312	312	451	312	-	-
6	676	526	828	828	676	602	602	1036	976	752	828	828
7	226	226	226	150	150	150	376	905	905	828	752	676
8	260	150	150	150	226	312	451	602	640	828	1250	1120
9	226	226	226	226	226	312	312	676	602	676	752	602
10	376	526	312	676	602	602	602	828	828	752	526	451
11	376	602	676	602	312	451	376	312	602	828	526	602
12	905	976	905	828	676	602	1074	1320	976	752	602	602
13	376	602	526	376	376	376	676	828	820	752	676	676
14	226	312	312	150	226	226	226	602	602	752	828	676
15	150	226	312	526	312	226	602	905	905	828	828	752
16	312	312	312	226	226	226	226	602	602	602	526	526
17	312	376	526	376	312	226	312	312	676	828	752	676
18	526	526	602	602	602	376	312	150	376	752	976	976
19	526	526	526	312	312	312	263	752	1052	976	752	752
20	376	263	312	526	1218	376	451	376	376	1188	789	676
21	312	312	312	451	376	312	226	-	-	-	-	-
22	150	-	226	150	150	150	150	150	150	150	226	526
23	526	451	526	602	676	602	526	451	526	-	-	-
24	226	150	226	312	376	376	451	451	526	752	752	752
25	226	150	150	312	226	312	75	75	-	-	226	226
26	376	376	312	150	150	226	226	-	-	376	451	526
27	226	226	226	226	226	150	75	-	-	376	828	602
28	-	-	-	-	-	-	-	-	75	75	75	75
29	376	-	376	312	312	376	226	312	526	526	451	526
30	150	150	226	226	312	226	150	376	752	526	451	376
31	226	226	226	226	226	226	226	226	526	526	451	376
Promedio	349	363	372	369	359	329	403	587	660	674	648	620

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	347	174	174	260	434	347	347	434	434	434	608	416
608	521	521	434	347	347	434	347	260	260	260	260	460
347	347	434	608	434	521	521	434	347	434	347	260	430
174	86	174	174	174	174	174	260	260	260	260	260	275
-	-	-	955	608	434	260	347	521	521	521	608	420
608	707	707	608	521	521	434	434	347	347	347	260	548
521	608	608	434	347	260	260	260	347	260	260	347	381
707	608	608	434	434	434	347	347	260	260	347	347	442
434	521	434	347	347	260	347	260	260	260	260	347	372
260	174	174	521	260	174	260	260	174	521	707	608	406
521	608	521	347	434	434	434	434	434	608	608	608	470
434	347	434	174	174	174	174	174	260	347	434	347	506
434	434	434	434	347	347	347	260	260	260	260	347	402
434	-	-	-	-	-	-	-	-	260	174	260	363
521	434	434	347	434	347	347	260	260	260	260	347	401
347	347	347	347	260	174	174	347	260	347	347	347	307
521	521	347	-	-	-	-	-	-	-	-	-	405
782	782	707	707	608	521	521	434	521	707	608	608	819
707	521	434	434	434	347	434	434	260	347	434	434	556
707	521	434	347	434	521	434	260	260	260	260	347	479
-	-	-	-	-	-	-	-	-	-	-	-	582
434	434	347	347	347	347	260	174	174	260	174	260	322
-	-	-	-	-	-	-	-	-	-	-	-	380
608	608	521	434	347	347	347	-	-	-	-	-	586
-	-	-	260	260	347	260	260	260	174	174	86	292
521	521	608	608	434	347	260	347	260	260	260	174	325
608	260	304	434	347	347	347	347	260	347	434	434	421
260	174	174	174	174	347	347	347	347	434	434	347	405
434	434	434	347	347	260	347	260	174	174	174	174	347
260	260	260	174	174	174	260	174	174	174	260	174	268
434	434	521	521	521	521	347	260	347	174	174	260	387
484	444	427	412	363	350	334	310	297	331	341	350	420

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	451	451	376	526	905	752	602	526	451	451	676	480
752	676	526	602	526	526	451	226	150	376	226	75	487
676	752	752	752	676	602	526	226	150	376	226	312	526
676	676	602	602	451	376	312	226	312	312	150	226	537
-	-	-	905	602	376	526	828	451	752	1120	828	521
828	828	828	752	602	526	376	312	312	226	226	226	633
676	752	752	526	451	451	312	150	226	226	376	376	452
905	752	602	526	451	376	226	226	226	312	226	226	466
602	602	526	376	451	226	226	226	376	-	-	-	413
602	376	526	564	526	526	263	376	905	752	905	451	577
676	676	602	602	752	752	526	451	602	602	752	905	590
602	451	451	226	226	226	150	150	150	312	376	312	577
526	451	376	376	376	312	312	226	150	150	150	226	445
602	-	-	-	-	-	150	150	226	226	226	226	365
676	526	451	451	451	376	376	312	226	226	226	312	466
526	526	451	526	451	526	376	451	376	376	312	376	416
752	676	676	526	976	1047	451	376	602	376	676	451	553
828	752	752	752	602	526	376	312	226	226	226	312	528
976	602	451	526	526	451	376	376	226	312	226	226	514
676	526	451	376	312	451	312	312	75	226	226	226	462
-	-	-	-	-	-	-	-	526	526	376	376	373
526	451	312	226	312	226	312	150	150	226	312	451	254
-	226	312	451	376	376	376	312	226	312	226	312	420
676	602	526	451	376	376	226	226	-	-	-	-	440
312	376	-	-	-	-	-	-	-	-	150	226	217
451	526	602	526	376	312	226	226	226	226	226	226	333
226	312	376	312	376	226	-	-	-	-	-	-	312
75	75	75	150	226	376	312	376	526	451	602	376	245
526	526	526	451	376	376	312	226	150	150	150	150	358
312	226	226	226	226	226	226	226	150	150	150	150	263
376	451	451	451	376	526	226	150	312	226	226	226	320
589	529	505	485	463	434	342	300	313	336	347	338	446

IONES PESADOS POSITIVOS "N⁺" por cm³

día \ horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	17050	17050	17050	8950	9860	15250	8060	8060	9860	8060	8950	7180
2	11690	7180	5380	5380	15250	11690	12590	7180	9860	9860	10770	9860
3	18870	8950	8950	14350	8950	20700	8950	7180	11690	8950	17950	9860
4	8060	8060	16130	3585	22400	8060	15250	5380	6295	8060	8060	8060
5	9860	8060	17050	8060	10770	9860	11690	-	24200	14350	10770	-
6	5380	8060	5380	8060	9860	4490	4490	5380	7180	10770	8060	6295
7	11690	23360	13430	13430	15250	15250	8060	4490	17050	5380	7180	-
8	29600	10770	13430	14350	17950	17050	12590	8060	20350	7180	5380	4490
9	14350	14350	14350	9860	11690	11690	11690	11690	8060	7180	13430	10770
10	7180	6295	11690	7180	6295	13430	7180	2690	13430	6295	6295	6295
11	3585	12590	6295	16130	8060	898	4490	7180	7180	7180	5380	5380
12	5380	5380	2690	8060	2690	4490	6295	9860	7180	12590	10770	8950
13	8950	3585	6295	6295	7180	3585	5380	7180	22400	23360	5380	7180
14	15250	11690	9860	10770	12590	13430	18870	-	-	21520	-	7180
15	11690	-	-	11690	8060	7180	8060	7180	1795	9860	5380	898
16	8950	11690	10770	8950	10770	16130	13430	4490	11690	11690	6295	10770
17	6295	-	-	-	11690	14350	-	-	4490	8950	8060	6295
18	4490	8060	4490	2690	5380	6295	8060	7180	8060	13430	4490	11690
19	7180	-	-	7180	12590	9860	9860	6295	5380	13430	8060	8950
20	4490	2690	6295	9860	1795	5380	4490	3585	3585	3585	4490	2690
21	11690	-	-	2690	3585	-	-	-	2690	898	898	898
22	3585	3585	2690	8950	4490	15250	3585	898	1795	1795	3585	5380
23	4490	2690	-	-	18870	10770	2690	2690	2690	-	-	2690
24	2690	3585	2690	2690	2690	-	-	8060	3585	4490	3585	4490
25	3585	1795	3585	3585	3585	3585	4490	3585	2690	4490	1795	7180
26	7180	8060	11690	6295	3585	2690	4490	8060	22400	5380	10770	14350
27	2690	3585	5380	9860	7180	5380	13430	7180	2690	8950	4490	3585
28	2690	3585	4490	2690	898	2690	2690	3585	4490	898	6295	13430
29	5380	4490	4490	2690	1795	4490	-	-	4490	2690	6295	8950
30	10770	20700	15250	11690	15250	-	-	25150	8060	-	20350	13430
31	29600	26000	23300	10770	9860	20700	-	10770	6295	2690	4490	6295
Promedio	9495	9107	9350	8163	9060	9808	8434	7040	8720	8412	7507	7361

IONES PESADOS NEGATIVOS "N⁻" por cm³

día \ horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	18870	17950	14350	8950	10770	14350	7180	7180	9860	8060	8060	8060
2	3585	6295	6295	5380	7180	7180	6295	8950	8950	10770	9860	10770
3	8060	7180	7180	14350	17050	12590	8950	9860	13430	8060	10770	8950
4	8950	8060	8060	8060	8060	8060	8060	8060	8060	9860	9860	8950
5	8060	8060	8060	8060	10770	10770	14350	-	11690	11690	-	-
6	4490	5380	4490	5380	5380	5380	5380	7180	8060	8950	8950	7180
7	14350	14350	14350	15250	16130	16130	8950	9860	10770	10770	8950	7180
8	11690	11690	15250	13430	10770	10770	8950	8060	8060	7180	6295	8060
9	14350	13430	11690	11690	13430	10770	11690	8950	8060	8060	8060	10770
10	8060	7180	7180	6295	7180	8060	13430	8060	8060	6295	9860	8060
11	6295	7180	5380	8950	8060	8060	9860	7180	8060	7180	6295	5380
12	5380	5380	5380	4490	5380	5380	7180	7180	9860	10770	10770	11690
13	7180	6295	6295	7180	8060	9860	8060	7180	8950	11690	9860	8060
14	13430	9860	10770	11690	13430	14350	9860	8950	8950	8060	7180	7180
15	12590	11690	13430	7180	11690	10770	8060	16130	5380	6295	7180	7180
16	10770	10770	11690	10770	12590	15250	16130	10770	14350	12590	10770	11690
17	7180	8060	8060	9860	9860	17050	-	-	8060	9860	9860	10770
18	11690	8060	8060	6295	6295	8060	7180	4490	5380	4490	5380	4490
19	7180	7180	8950	9860	12590	11690	8060	7180	5380	6295	11690	8950
20	3585	4490	3585	4490	4490	3585	2690	4490	2690	3585	4490	4490
21	3585	3585	4490	3585	4490	3585	3585	6295	4490	2690	4490	2690
22	3585	4490	3585	3585	5380	3585	4490	4490	4490	4490	3585	4490
23	4490	4490	4490	3585	5380	3585	4490	3585	4490	3585	3585	4490
24	4490	4490	3585	4490	3585	3585	3585	3585	3585	4490	4490	4490
25	4490	3585	4490	1795	4490	3585	5380	4490	4490	3585	3585	8060
26	8060	10770	8060	7180	7180	8060	8060	9860	9860	10770	9860	8950
27	13430	12590	12590	12590	10770	9860	5380	5380	4490	2690	3585	2690
28	4490	4490	7180	5380	5380	3585	4490	4490	4490	7180	15250	17050
29	4490	7180	7180	8950	7180	4490	5380	5380	6295	6295	6295	7180
30	17950	17050	18870	15250	17950	20350	22400	9860	8950	11690	13430	13430
31	15250	12590	11690	11690	12590	12590	-	8950	7180	8950	6295	8060
Promedio	8711	8511	8539	8248	9146	9193	8192	7451	7576	7643	7953	7981

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	7180	9860	13430	2690	12590	6295	7180	7180	6295	4490	9529
9860	9860	7180	8060	7180	18870	9860	10770	15250	23360	13430	13430	10992
7180	6295	6295	4490	4490	4490	8950	12590	22400	8950	13430	8060	10540
7180	8950	8060	11690	8950	8060	9860	11690	11690	17050	15250	10770	10275
-	-	-	8060	8060	8950	8950	8060	5380	4490	6295	3585	9816
6295	6295	5380	6295	5380	11690	6295	8060	7180	9860	10770	4490	7141
-	-	5380	8060	9860	8950	17950	8950	9860	8950	8950	21520	11571
18870	13430	7180	12590	8060	8950	8950	9860	17050	17050	26900	29600	14154
8060	7180	7180	9860	11690	8060	8060	17950	14350	14350	26000	8060	11663
7180	8060	6295	6295	11690	18870	4490	20350	23360	26000	8060	5380	10012
1795	1795	6295	4490	4490	5380	4490	2690	6295	5380	6295	5380	5797
9860	11690	14350	17050	16130	24200	24200	20700	12590	3585	8950	13430	10878
8950	5380	6295	7180	6295	5380	8060	11690	15250	11690	12590	14350	9162
6295	-	-	5380	3585	1795	3585	3585	1795	-	22400	22400	10666
7180	6295	6295	6295	6295	7180	13430	14350	15250	9860	13430	8060	8442
23360	9860	15250	898	8060	7180	8060	7180	6295	4490	7180	4490	9497
8060	5380	3585	8060	5380	4490	3585	6295	5380	9860	2690	6295	6799
9860	4490	5380	3585	3585	4490	12590	8060	8060	8060	17050	9860	7474
4490	9860	8950	8950	6295	4490	7180	9860	14350	6295	-	-	8475
2690	2690	4490	4490	8950	1795	8060	898	1795	3585	4490	5380	4260
898	-	-	2690	-	-	-	2690	2690	3585	2690	2690	2949
4490	12590	8060	-	-	-	-	-	3585	8950	15250	3585	5900
1795	2690	3585	2690	3585	4490	3585	3585	3585	2690	17950	898	4935
3585	2690	8060	13430	1795	15250	-	-	-	4490	3585	2690	4954
6295	4490	4490	4490	4490	4490	6295	7180	10770	9860	18870	8060	5572
8950	7180	-	-	-	-	-	10770	10770	10770	11690	7180	9066
898	2690	2690	2690	-	16130	10770	5380	7180	2690	3585	1795	5691
11690	17950	17950	18870	13430	-	-	-	3585	4490	4490	8060	7093
8060	8060	9860	9860	18870	-	8060	11690	27800	8060	13430	13430	8711
12590	16130	9860	12590	29600	14350	13430	16130	5380	11690	17050	15250	14986
4490	4490	3585	898	4490	898	13430	8950	8950	8060	18870	22400	10882
7550	7575	7376	7581	8671	8522	9414	9509	10168	9179	11930	9502	8746

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	8060	9860	9860	9860	9860	6295	6295	7180	6295	6295	4490	9494
9860	10770	8950	8950	8950	12590	9860	12590	16130	14350	15250	11690	9644
8060	6295	6295	5380	6295	6295	6295	9860	13430	8060	13430	8950	9378
8950	9860	9860	8950	10770	8950	16130	11690	10770	12590	12590	12590	9825
-	-	-	6295	8950	9860	8950	9860	7180	7180	5380	4490	8870
7180	6295	6295	6295	6295	6295	7180	7180	10770	11690	12590	13430	7404
7180	6295	6295	9860	9860	8060	8060	8950	10770	12590	10770	10770	10688
10770	8060	8950	8950	8950	9860	10770	11690	21520	23360	20700	18870	11777
8060	8060	7180	7180	7180	8950	9860	18870	13430	11690	14350	7180	10539
9860	8060	7180	8060	8950	8060	9860	9860	6295	5380	5380	4490	7881
5380	3585	5380	5380	4490	5380	6295	8060	7180	7180	4490	4490	6465
10770	11690	13430	17050	17050	17050	16130	18870	12590	8950	8950	7180	10356
8060	7180	7180	7180	7180	7180	10770	12590	13430	14350	14350	14350	9270
8060	3585	4490	4490	3585	3585	3585	4490	4490	20350	18870	14350	9068
7180	6295	6295	6295	6295	9860	13430	16130	13430	10770	11690	9860	9796
10770	9860	8060	8060	11690	8950	8060	7180	7180	8060	17050	6295	10806
8950	9860	7180	11690	9860	10770	13430	7180	7180	4490	7180	6295	9213
4490	4490	5380	6295	5380	5380	8060	8060	8060	11690	11690	8950	6991
8950	9860	10770	8950	6295	7180	8060	12590	16130	9860	3585	3585	8784
4490	3585	3585	3585	4490	4490	4490	4490	3585	1795	4490	3585	3888
6295	3585	2690	3585	2690	3585	11690	3585	3585	2690	4490	3585	4151
4490	3585	3585	4490	4490	4490	4490	4490	4490	4490	3585	4490	4225
3585	4490	4490	4490	3585	3585	5380	4490	3585	4490	3585	3585	4149
5380	5380	5380	5380	4490	3585	4490	3585	4490	4490	3585	4490	4299
7180	4490	4490	5380	5380	5380	6295	8060	9860	8060	8950	9860	5642
7180	8060	8060	8060	9860	8950	9860	15250	13430	18870	20350	15250	10410
3585	6295	3585	4490	4490	5380	6295	8060	6295	5380	4490	5380	6657
20350	26000	27800	24200	9860	5380	4490	5380	5380	4490	5380	5380	9481
7180	8060	9860	9860	13430	9860	9860	9860	13430	13430	14350	15250	8780
14350	11690	13430	15250	18870	14350	14350	23360	17050	16130	20350	15250	15900
10770	6295	5380	4490	4490	7180	8060	10770	23360	17050	16130	13430	10576
8241	7656	7712	8014	7871	7752	8736	9786	10183	10008	10462	8769	8522

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	5.8	4.3	4.3	2.9	5.8	2.9	4.3	5.8	7.2	11.6	10.1	5.8	1.4
2	4.3	5.8	5.8	4.3	7.2	1.4	- 3.4	-	-	-	-	-	-
3	7.2	7.2	5.8	4.3	5.8	4.3	2.9	2.9	5.8	8.7	10.1	11.6	5.8
4	11.6	13.0	10.1	7.2	4.3	- 1.7	- 3.4	1.4	7.2	11.6	10.1	11.6	4.3
5	2.9	4.3	2.9	2.9	4.3	2.9	2.9	2.9	5.8	8.7	7.2	8.7	2.9
6	14.4	7.2	10.1	5.8	8.7	8.7	4.3	1.4	2.9	14.4	14.4	13.0	5.8
7	5.8	8.7	4.3	5.8	7.2	5.8	2.9	- 1.7	7.2	11.6	11.6	13.0	2.9
8	4.3	5.8	4.3	4.3	5.8	8.7	4.3	2.9	5.8	8.7	7.2	8.7	4.3
9	2.9	2.9	2.9	4.3	5.8	5.8	5.8	5.8	5.8	10.1	7.2	10.1	8.7
10	5.8	5.8	5.8	5.8	7.2	5.8	8.7	8.7	11.6	10.1	7.2	5.8	5.8
11	7.2	4.3	4.3	5.8	7.2	7.2	5.8	5.8	8.7	10.1	7.2	7.2	5.8
12	7.2	7.2	7.2	5.8	10.1	5.8	4.3	7.2	10.1	8.7	5.8	8.7	8.7
13	8.7	7.2	7.2	7.2	8.7	7.2	4.3	4.3	7.2	11.6	7.2	7.2	8.7
14	7.2	4.3	4.3	5.8	7.2	2.9	2.9	4.3	4.3	10.1	5.8	11.6	10.1
15	5.8	4.3	5.8	4.3	8.7	2.9	- 1.7	- 1.7	5.8	11.6	11.6	8.7	8.7
16	5.8	7.2	4.3	5.8	7.2	2.9	1.4	-	-	7.2	8.7	11.6	11.6
17	5.8	7.2	5.8	2.9	5.8	7.2	2.9	2.9	2.9	2.9	11.6	13.0	11.6
18	18.8	18.8	18.8	13.0	14.4	8.7	5.8	-	-	-	-	-	-
19	8.6	6.9	8.6	8.6	6.9	10.3	1.7	1.7	10.3	6.9	3.4	8.6	6.9
20	8.6	6.9	6.9	8.6	15.4	10.3	3.4	3.4	8.6	6.9	3.4	5.2	- 1.4
21	3.4	3.4	3.4	3.4	8.6	3.4	3.4	5.2	8.6	32.7	30.9	32.7	25.8
22	29.2	24.0	25.8	22.3	30.9	25.8	24.0	17.2	20.6	20.6	12.0	12.0	10.3
23	6.9	8.6	6.9	6.9	12.0	12.0	5.2	5.2	10.3	17.2	20.6	13.8	13.8
24	5.2	3.4	6.9	5.2	10.3	12.0	6.9	5.2	5.2	5.2	6.9	10.3	10.3
25	13.8	15.4	10.3	6.9	15.4	13.8	15.4	6.9	10.3	10.3	10.3	18.9	17.2
26	6.9	8.6	6.9	10.3	20.6	17.2	15.4	10.3	10.3	15.4	8.6	12.0	13.8
27	8.6	8.6	5.2	6.9	12.0	6.9	6.9	-	-	-	-	-	-
28	12.0	5.2	6.9	6.9	10.3	12.0	10.3	10.3	13.8	13.8	6.9	10.3	10.3
29	8.6	8.6	6.9	10.3	12.0	5.2	6.9	5.2	6.9	10.3	6.9	8.6	1.7
30	10.3	10.3	8.6	8.6	12.0	8.6	6.9	8.6	8.6	13.8	12.0	10.3	10.3
31	10.3	8.6	10.3	8.6	6.9	12.0	8.6	10.3	6.9	12.0	10.3	17.2	8.6
Prom	8.5	7.9	7.3	6.8	9.8	7.7	5.5	5.3	7.8	11.5	9.8	11.3	8.4
Var.	1.1	0.5	- 0.1	- 0.6	2.4	0.3	- 1.9	- 2.1	0.4	4.1	2.4	3.9	1.0

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	-25.6	-25.6	-31.0	-32.3	-29.6	-29.6	-28.3	-29.6	-29.6	-29.6	-31.0	-29.6
2	-28.3	-25.6	-26.9	-31.0	-33.7	-33.7	-32.3	-25.6	-	-	-	-	-
3	-28.3	-25.6	-25.6	-29.6	-29.6	-29.6	-28.3	-29.6	-29.6	-29.6	-29.6	-29.6	-28.3
4	-26.9	-21.6	-22.9	-29.6	-28.3	-28.3	-29.6	-25.6	-25.6	-26.9	-29.6	-29.6	-26.9
5	-26.9	-21.6	-24.2	-29.6	-29.6	-31.0	-29.6	-26.9	-29.6	-28.3	-29.6	-28.3	-31.0
6	-10.8	- 9.4	-	-	-	-	-	-22.9	-22.9	-28.3	-28.3	-25.6	-28.3
7	-24.2	-17.5	-20.2	-24.2	-28.3	-28.3	-31.0	-26.9	-29.6	-24.2	-28.3	-28.3	-29.6
8	-24.2	-21.6	-21.6	-28.3	-29.6	-32.3	-29.6	-26.9	-26.9	-28.3	-25.6	-25.6	-26.9
9	-22.9	-18.9	-18.9	-24.2	-28.3	-28.3	-24.2	-	-	-28.3	-28.3	-26.9	-28.3
10	-21.6	-18.9	-18.9	-21.6	-21.6	-22.9	-21.6	-22.9	-24.2	-24.2	-24.2	-25.6	-22.9
11	-18.9	-14.8	-14.8	-22.9	-26.9	-26.9	-24.2	-24.2	-21.6	-18.9	-21.6	-21.6	-21.6
12	-21.6	-18.9	-17.5	-25.6	-26.9	-26.9	-28.3	-25.6	-25.6	-25.6	-25.6	-21.6	-22.9
13	-24.2	-20.2	-21.6	-24.7	-26.9	-25.6	-22.9	-20.2	-21.6	-20.2	-21.6	-21.6	-21.6
14	-18.9	-14.8	-14.8	-22.9	-20.2	-25.6	-22.9	-20.2	-18.9	-20.2	-21.6	-20.2	-21.6
15	-17.5	-14.8	-16.2	-24.2	-22.9	-21.6	-18.9	-20.2	-20.2	-21.6	-22.9	-20.2	-18.9
16	-17.5	-13.5	-12.1	-17.5	-22.9	-20.2	-18.9	-	-	-20.2	-20.2	-20.2	-17.5
17	-16.2	-13.5	-12.1	-17.5	-17.5	-18.9	-16.2	-17.5	-13.5	-17.5	-20.2	-20.2	-17.5
18	- 1.4	- 4.0	- 2.5	- 2.7	- 6.7	- 6.7	- 6.7	-	-	-	-	-	-
19	-10.6	- 9.3	-11.0	-20.0	-	-	-	-	-11.0	-16.0	-13.3	-11.0	-14.6
20	-14.6	-11.0	-13.0	-16.0	-20.0	-18.6	-20.0	-20.0	-18.6	-18.6	-20.0	-14.6	-17.3
21	-18.6	-16.0	-13.3	-18.6	-20.0	-17.3	-18.6	-20.0	-14.6	- 8.0	- 6.7	- 6.7	- 2.7
22	3.1	1.6	1.6	- 2.7	- 5.3	- 4.0	- 5.3	- 2.7	- 4.0	- 2.7	- 2.7	- 5.3	-10.6
23	-13.3	-11.0	-13.3	-18.6	-18.6	-18.6	-18.6	-18.6	-20.0	-14.6	-10.6	-10.6	- 6.7
24	-17.3	-17.3	-	-	-14.6	-14.6	-18.6	-17.3	-20.0	-18.6	-21.3	-21.3	-17.3
25	-	-	-	-	-	-	-	-	- 5.3	- 6.7	- 9.3	-13.3	-11.0
26	-16.0	-11.0	-11.0	-20.0	-21.3	-20.0	-17.3	-14.6	-18.6	-16.0	-17.3	-18.6	-18.6
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-16.0	-13.3	-13.3	-16.0	-14.6	-13.3	-13.3	-10.6	-11.0	-11.0	-17.3	-17.3	-16.0
29	-16.0	-14.6	-10.6	-16.0	-18.6	-20.0	-17.3	-16.0	-18.6	-18.6	-17.3	-20.0	-18.6
30	-16.0	-13.3	-10.6	-17.0	-17.3	-17.3	-16.0	-14.6	-18.6	-17.3	-17.3	-18.6	-20.0
31	-17.3	-14.6	-14.6	-18.6	-18.6	-18.6	-20.0	-17.3	-18.6	-18.6	-20.0	-18.6	-16.0
Prom	-18.4	-15.3	-15.6	-21.1	-22.3	-22.2	-21.5	-20.6	-18.5	-20.0	-20.7	-20.4	-20.1
Var.	1.9	5.0	4.7	- 0.8	- 2.0	- 1.9	- 1.2	- 0.3	1.8	0.3	- 0.4	- 0.1	0.2

LÍNEAS CORTAS

3-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
1.4	8.7	7.2	5.8	1.4	1.4	5.8	4.3	- 3.4	4.3	8.7	4.9	2
-	1.4	2.9	5.8	4.3	- 1.7	- 1.7	2.9	7.2	5.8	5.8	3.4	2
1.4	1.4	1.4	4.3	1.4	- 3.4	- 3.4	1.4	- 5.0	4.3	5.8	3.8	2
1.4	1.4	2.9	2.9	1.4	1.4	2.9	4.3	5.8	2.9	2.9	4.9	2
2.9	- 1.7	- 1.7	- 3.4	- 1.7	- 6.7	11.6	20.2	23.1	24.6	20.2	6.1	2
5.0	- 6.7	- 5.0	2.9	2.9	2.9	5.8	4.3	4.3	5.8	5.8	5.4	2
8.7	- 3.4	- 1.7	- 1.7	2.9	5.8	5.8	5.8	4.3	8.7	7.2	5.3	2
5.8	2.9	- 3.4	- 1.7	4.3	5.8	5.8	7.2	8.7	7.2	4.3	5.1	1
8.7	2.9	- 1.7	2.9	1.4	4.3	5.8	8.7	8.7	7.2	7.2	5.6	1
4.3	5.8	5.8	4.3	4.3	1.4	7.2	7.2	4.3	8.7	10.1	6.6	2
8.7	5.8	5.8	2.9	1.4	4.3	5.8	5.8	7.2	8.7	10.1	6.4	2
13.0	5.8	4.3	5.8	4.3	4.3	1.4	1.4	2.9	2.9	8.7	6.3	2
10.1	10.1	5.8	5.8	2.9	4.3	5.8	4.3	8.7	5.8	5.8	6.9	1
14.4	7.2	4.3	2.9	- 3.4	- 1.7	4.3	2.9	5.8	8.7	8.7	5.6	1
5.8	4.3	- 1.7	- 1.7	2.9	1.4	- 1.7	2.9	2.9	8.7	8.7	4.5	2
10.1	2.9	1.4	5.8	2.9	4.3	4.3	2.9	5.8	5.8	5.8	5.7	1
5.8	1.4	- 1.7	5.8	13.0	13.0	21.7	20.2	27.5	23.1	20.2	9.7	2
-	-	5.2	3.4	3.4	- 6.8	5.2	- 4.1	1.7	8.6	6.9	7.6	2
6.9	- 4.1	2.7	- 6.8	1.7	6.9	6.9	6.9	5.2	10.3	8.6	5.6	1
5.2	3.4	5.2	3.4	5.2	6.9	6.9	5.2	3.4	5.2	8.6	6.0	1
22.3	13.8	12.0	15.4	27.4	32.7	34.3	32.7	30.9	30.9	32.7	18.8	2
10.3	12.0	8.6	8.6	6.9	12.0	6.9	3.4	6.9	3.4	5.2	15.0	2
13.8	5.2	3.4	- 1.4	- 1.4	3.4	3.4	3.4	13.8	10.3	10.3	8.5	2
10.3	12.0	6.9	6.9	5.2	1.7	6.9	3.4	- 2.7	17.2	13.8	7.3	2
20.6	20.6	10.3	3.4	3.4	6.9	8.6	5.2	10.3	6.9	8.6	11.2	1
6.9	6.9	5.2	1.7	5.2	8.6	6.9	8.6	13.8	8.6	10.3	10.0	1
-	-	-	-	-	-	-	-	8.6	8.6	12.0	8.4	1
10.3	10.3	6.9	5.2	3.4	3.4	8.6	6.9	10.3	13.8	10.3	9.1	1
6.9	8.6	8.6	5.2	12.0	8.6	5.2	3.4	12.0	10.3	12.0	8.0	2
10.3	10.3	8.6	3.4	- 1.4	3.4	5.2	8.6	8.6	8.6	8.6	8.5	1
8.6	12.0	8.6	10.3	1.7	1.7	3.4	5.2	3.4	12.0	6.9	8.5	1
8.2	5.6	3.9	3.6	4.0	4.4	6.5	6.5	7.9	9.6	9.7	7.4	
0.8	- 1.8	- 3.5	- 3.8	- 3.4	- 3.0	- 0.9	- 0.9	0.5	2.2	2.3		

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
-31.0	-28.3	-28.3	-31.0	-32.3	-33.7	-36.4	-33.7	-33.7	-35.0	-29.6	-30.6	1
-	-26.9	-26.9	-31.0	-29.6	-31.0	-32.3	-31.0	-31.0	-32.3	-29.6	-29.9	1
-29.6	-25.6	-28.3	-26.9	-29.6	-32.3	-32.3	-32.3	-36.4	-31.0	-26.9	-29.3	0
-26.9	-26.9	-26.9	-26.9	-29.6	-29.6	-26.9	-29.6	-22.9	-25.6	-24.2	-27.0	1
-31.0	-28.3	-26.9	-28.3	-32.3	-31.0	-33.7	-21.6	-13.5	-10.8	- 8.1	-26.3	2
-25.6	-22.9	-24.2	-28.3	-32.3	-29.6	-31.0	-29.6	-28.3	-26.9	-25.6	-25.3	1
-28.3	-28.3	-28.3	-29.6	-29.6	-32.3	-32.3	-35.0	-29.6	-28.3	-24.2	-27.8	1
-28.3	-24.2	-24.2	-28.3	-29.6	-29.6	-28.3	-31.0	-28.3	-28.3	-26.9	-27.3	0
-26.9	-22.9	-21.6	-22.9	-28.3	-26.9	-26.9	-24.2	-25.6	-24.2	-21.6	-25.0	1
-22.9	-18.9	-18.9	-18.9	-29.6	-31.0	-29.6	-29.6	-28.3	-22.9	-18.9	-23.4	1
-20.2	-20.2	-24.2	-26.9	-26.9	-28.3	-26.9	-26.9	-24.2	-24.2	-18.9	-22.8	1
-20.2	-21.6	-21.6	-24.6	-24.2	-25.6	-28.3	-22.9	-22.9	-21.6	-21.6	-23.6	1
-20.2	-20.2	-22.9	-20.2	-18.9	-22.9	-24.2	-22.9	-18.9	-20.2	-18.9	-21.8	1
-21.6	-16.2	-16.2	-17.5	-21.6	-22.9	-24.2	-18.9	-20.2	-20.2	-18.9	-20.0	1
-18.9	-21.6	-20.2	-20.2	-21.6	-18.9	-20.2	-18.9	-18.9	-18.9	-16.2	-19.8	1
-18.9	-14.8	-16.2	-20.2	-20.2	-20.2	-20.2	-18.9	-17.5	-17.5	-13.5	-18.1	0
-16.2	-14.8	-14.8	-14.8	-13.5	-13.5	- 9.4	- 9.4	- 6.7	- 5.4	1.2	-14.0	2
-	-	-10.6	-13.3	-16.0	-14.6	-18.6	-14.6	-13.3	-11.0	-10.6	- 8.8	1
-14.6	-14.6	-18.6	-14.6	-18.6	-18.6	-20.0	-20.0	-16.0	-18.6	-13.3	-15.2	1
-18.6	-18.6	-17.3	-14.6	-16.0	-18.6	-20.0	-17.3	-16.0	-16.0	-16.0	-17.1	0
- 1.3	1.6	- 4.0	- 5.3	- 4.0	- 4.0	- 5.3	- 4.0	- 2.7	- 1.3	- 1.3	- 8.9	1
-10.6	-13.3	-13.3	-11.0	-16.0	-14.6	-17.3	-18.6	-16.0	-16.0	- 9.3	- 8.1	2
- 9.3	-11.0	-13.3	-20.0	-18.6	-20.0	-20.0	-20.0	-14.6	-20.0	-14.6	-15.6	1
-17.3	-18.6	-17.3	-20.0	-21.3	-26.6	-	-	-	-	-	-18.8	2
-16.0	-16.0	- 4.0	-14.6	-21.3	-18.9	-18.6	-20.0	-14.6	-17.3	-16.0	-13.9	2
-18.6	-16.0	-16.0	-	-	-	-	-	-	-	-	-16.9	0
-	-	-	-	-	-	-	-	-16.0	-16.0	-17.3	-16.4	1
-16.0	-16.0	-18.6	-21.3	-20.0	-18.6	-20.0	-20.0	-17.3	-16.0	-16.0	-16.0	1
-18.6	-20.0	-18.6	-21.3	-18.6	-22.6	-20.0	-18.6	-17.3	-17.3	-13.3	-17.8	1
-18.6	-16.0	-18.6	-20.0	-17.3	-21.3	-21.3	-20.0	-18.6	-18.6	-17.3	-17.6	1
-17.3	-16.0	-17.3	-17.3	-21.3	-24.0	-22.6	-22.6	-22.6	-18.6	-16.0	-18.6	1
-20.1	-19.2	-19.3	-21.0	-22.7	-23.5	-23.8	-22.6	-20.4	-20.0	-17.4	-20.3	
0.2	1.1	1.0	- 0.7	- 2.4	- 3.2	- 3.5	- 2.3	- 0.1	0.3	2.9		

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	50.9	50.7	51.1	51.3	51.4	51.2	51.4	52.0	51.8	51.3	51.2	51.1	51.2	51.4	51.3
2	55.9	55.8	55.7	56.1	56.1	56.8	56.7	58.4	57.5	57.7	57.8	57.7	57.5	57.4	57.3
3	58.2	57.5	57.6	58.0	58.4	58.5	58.5	58.6	57.8	57.1	56.0	54.9	54.0	53.0	52.3
4	50.0	49.6	49.3	49.4	49.7	49.7	49.7	49.5	49.3	49.1	48.8	48.2	47.8	47.4	47.0
5	49.0	49.4	50.1	50.2	50.2	50.7	50.9	50.9	50.9	51.0	50.7	51.7	52.1	51.7	51.3
6	54.4	54.1	54.7	55.1	55.5	55.8	56.1	56.6	56.7	56.7	56.8	56.4	55.8	55.7	55.6
7	57.7	57.6	57.5	57.8	57.9	58.1	58.3	58.2	58.1	57.9	57.6	57.3	57.0	57.2	57.0
8	57.1	56.8	56.2	56.2	56.4	56.6	56.7	56.9	56.9	56.8	56.7	56.4	56.2	55.8	55.5
9	55.9	55.7	55.5	55.6	55.9	56.3	56.6	56.8	56.8	55.6	56.3	55.9	54.8	54.4	53.8
10	52.5	52.0	52.1	51.8	51.8	51.9	52.0	51.9	51.5	50.9	50.1	49.2	49.2	48.6	48.5
11	46.8	46.8	47.0	46.2	46.4	47.2	47.5	48.1	48.2	48.2	48.3	48.3	48.2	48.0	47.9
12	54.4	54.5	54.9	55.2	55.4	56.1	56.6	57.0	57.0	57.7	57.7	57.7	57.5	57.3	57.0
13	58.2	58.3	58.4	58.7	59.2	60.0	60.3	60.3	60.4	60.5	60.4	60.0	59.5	59.4	59.1
14	60.6	60.5	60.5	60.6	60.8	61.0	61.5	61.6	61.5	61.3	61.1	60.6	60.2	59.6	59.0
15	57.4	57.2	56.9	57.2	57.3	57.2	54.1	56.5	56.1	55.6	55.2	54.7	54.4	53.8	53.3
16	53.7	53.2	53.6	53.2	52.9	53.4	53.9	53.9	54.2	54.2	54.4	54.3	53.8	53.7	53.5
17	57.5	57.3	56.9	56.9	57.0	57.5	57.6	57.7	57.6	57.6	57.5	57.0	56.5	55.6	54.6
18	53.1	52.6	52.5	52.6	52.7	52.8	53.0	53.6	53.7	53.9	53.7	53.3	52.8	52.3	52.1
19	52.1	52.0	52.1	52.1	52.4	52.8	53.0	53.0	52.9	52.8	52.6	52.0	51.6	51.0	50.6
20	51.4	52.5	53.8	53.8	54.1	53.5	53.7	53.0	53.0	52.7	52.5	52.1	51.8	51.5	51.4
21	50.9	50.3	49.6	49.3	49.9	50.5	51.1	52.0	53.9	53.2	52.7	50.8	49.5	48.9	49.6
22	51.9	52.4	52.5	53.1	53.5	53.8	55.2	55.7	55.3	55.3	55.1	55.0	54.4	53.7	53.0
23	51.9	51.3	51.1	50.4	50.4	50.2	50.3	49.4	51.3	50.5	50.7	50.9	50.7	50.6	50.2
24	52.6	52.7	52.8	52.9	53.0	53.4	53.8	53.9	54.2	54.3	54.2	54.0	53.4	52.9	52.3
25	53.3	53.0	52.7	52.4	53.4	53.8	54.9	54.4	54.2	55.1	55.1	55.1	54.2	54.1	53.5
26	54.5	54.5	54.4	54.3	54.6	55.0	55.1	55.1	54.8	54.8	54.8	54.9	54.6	54.0	53.8
27	54.4	54.3	54.1	54.1	54.2	54.2	54.2	54.4	54.4	54.0	53.4	52.8	52.1	51.6	51.1
28	50.6	49.8	50.7	50.8	52.3	51.5	52.4	53.8	52.9	52.0	52.9	52.9	52.8	52.6	52.2
29	56.2	56.0	55.5	56.1	56.3	56.6	57.5	57.6	57.6	57.6	57.5	57.1	57.0	56.9	56.8
30	58.5	58.5	58.5	58.5	59.0	59.1	59.5	59.9	60.1	60.4	60.3	60.2	60.0	59.9	59.7
31	60.6	60.6	60.4	60.9	61.0	61.3	61.9	62.0	61.9	61.8	61.4	61.3	60.7	60.4	59.8
Prom	54.3	54.1	54.2	54.2	54.5	54.7	55.0	55.2	55.2	55.1	55.0	54.6	54.2	53.9	53.5

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	19.0	18.8	20.1	19.8	19.5	21.8	24.6	25.8	27.6	28.9	30.7	32.0	32.8	32.1	29.7
2	15.2	14.6	13.7	13.0	12.0	12.8	15.1	17.4	18.9	20.3	21.4	22.6	23.0	23.3	23.5
3	12.4	12.5	12.1	11.5	11.5	13.2	15.7	19.1	22.0	24.0	25.5	27.1	28.4	29.3	29.8
4	18.0	18.1	16.9	16.3	15.8	16.9	20.5	23.7	26.0	28.0	29.7	31.4	32.2	32.4	32.4
5	19.4	18.8	18.4	18.4	19.6	20.7	21.6	24.1	24.0	25.5	27.4	23.5	22.0	22.1	20.8
6	12.8	12.7	12.4	12.0	11.9	12.0	12.7	15.2	16.2	17.3	18.8	19.1	19.9	20.9	21.4
7	13.6	13.7	13.6	13.6	12.5	14.4	17.4	19.5	21.3	22.5	23.6	24.2	24.6	24.8	24.8
8	14.4	14.0	13.7	13.5	13.6	14.6	17.7	19.6	22.6	25.4	26.5	27.3	27.7	28.5	28.4
9	16.6	16.5	15.7	15.0	15.0	16.1	20.3	23.3	26.2	28.3	29.9	30.8	31.7	32.2	32.4
10	20.5	19.3	17.9	18.2	17.4	19.0	21.6	22.9	26.0	28.4	29.7	31.0	26.3	24.7	22.0
11	20.4	20.5	20.3	19.6	19.2	19.1	19.7	20.6	22.3	23.5	25.0	26.9	27.4	27.9	27.0
12	16.1	14.6	13.6	12.7	11.6	12.0	14.4	16.1	18.6	19.5	21.5	22.5	23.4	24.7	24.4
13	13.9	13.2	13.0	12.0	11.7	12.9	16.8	20.0	22.4	24.5	26.9	28.7	29.9	30.2	30.2
14	20.4	19.6	18.8	17.2	17.0	18.1	21.9	23.9	26.3	27.8	28.8	29.6	30.4	30.5	30.8
15	19.0	17.0	15.9	17.7	16.8	18.4	21.5	24.4	26.8	28.3	29.4	30.1	30.0	30.6	29.9
16	20.5	19.9	19.9	18.2	16.8	18.7	23.0	26.3	28.0	29.9	29.0	30.0	30.5	31.4	31.1
17	17.7	17.5	17.3	16.7	16.7	17.4	19.0	23.1	25.8	26.8	27.0	28.9	29.5	30.3	29.9
18	19.6	19.4	19.4	18.9	18.9	19.1	19.5	19.8	21.1	22.5	24.7	25.8	26.8	27.8	27.8
19	19.0	18.6	18.4	17.4	15.8	17.0	21.7	25.1	27.7	29.7	31.0	31.8	33.2	33.8	33.8
20	23.6	24.3	24.6	21.3	20.5	20.5	20.9	22.1	23.5	27.2	29.2	32.9	34.8	35.5	35.3
21	24.9	24.4	23.9	23.4	23.2	23.7	25.5	24.3	21.0	20.5	20.6	21.5	21.9	22.1	23.0
22	18.5	17.6	16.4	15.6	15.0	14.8	15.5	17.5	19.5	22.7	26.5	28.7	29.7	30.2	30.6
23	22.1	22.3	22.2	22.2	22.0	22.0	22.2	23.1	23.1	21.1	20.1	21.2	24.0	26.5	26.4
24	15.1	14.2	14.4	15.0	15.5	15.8	16.8	17.2	18.3	19.8	22.3	23.6	25.0	25.7	25.9
25	17.5	17.2	16.6	16.2	17.3	18.4	19.4	19.9	20.4	20.5	21.6	22.7	25.3	27.3	28.7
26	18.2	17.8	17.9	17.8	16.9	16.6	17.3	18.9	22.2	27.3	29.2	30.5	31.3	32.1	31.9
27	19.0	17.9	17.3	17.9	19.1	21.5	24.8	25.5	27.1	29.1	30.5	31.6	32.3	32.9	33.1
28	24.7	24.2	23.5	23.5	21.2	20.6	20.8	20.9	21.2	22.2	22.5	26.2	26.7	27.4	27.8
29	18.2	17.4	17.8	17.9	17.9	18.1	18.6	19.1	20.8	22.3	23.7	25.0	25.5	25.9	26.0
30	15.8	14.9	14.2	13.7	12.9	13.1	18.8	23.2	24.1	25.6	26.9	28.1	28.7	30.0	30.6
31	16.3	15.9	15.3	15.1	14.3	16.5	20.4	23.0	25.4	27.6	29.1	30.3	31.2	31.8	32.2
Prom	18.1	17.6	17.3	16.8	16.4	17.3	19.5	21.4	23.1	24.7	26.1	27.3	27.9	28.5	28.4

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
1.4	51.7	52.8	53.8	54.4	55.1	55.4	56.0	56.5	56.8	23-24	50.5	1-2	6.3	752.4 mm.	1003.2 mb.
7.2	57.3	57.7	58.2	58.4	58.7	59.0	59.0	58.6	59.1	23-24	55.6	1-2	3.5	57.4	1009.8
1.6	51.1	51.2	51.5	51.5	51.5	51.3	51.1	50.7	58.6	0,8	50.7	24	7.9	54.7	1006.2
6.5	46.2	46.3	46.9	47.0	47.2	47.3	47.3	48.1	50.7	0	46.2	17	4.5	48.2	997.6
1.1	51.3	52.3	53.1	53.0	53.6	54.6	55.0	55.4	55.7	22-23	48.1	0	7.6	51.7	1002.2
5.3	55.4	55.5	56.0	56.2	56.7	57.0	57.7	57.7	56.8	11	54.1	2	2.7	56.0	1008.0
6.6	56.0	56.2	56.1	56.8	56.7	57.2	57.7	57.6	58.3	7	56.0	17	2.3	57.3	1009.7
5.3	55.0	55.0	55.4	55.7	55.8	55.9	56.0	56.0	57.6	0	55.0	17,18	2.6	56.1	1003.1
3.4	52.9	52.5	52.5	52.4	52.5	52.6	52.6	52.6	56.8	8,9	52.4	20	4.4	54.6	1006.1
7.8	48.7	46.1	46.9	46.6	46.3	46.3	46.0	46.1	52.7	0-1	45.8	23-24	6.9	49.4	999.2
8.0	48.2	48.2	48.6	50.0	51.5	52.4	53.3	53.9	53.9	24	46.1	0	7.8	48.6	998.1
6.7	56.4	56.6	56.7	57.0	57.1	57.7	58.0	58.3	58.3	24	53.9	0	4.4	56.7	1008.9
8.8	58.7	58.8	59.3	59.6	60.1	60.6	60.6	60.7	60.7	24	58.2	1	2.5	59.6	1012.8
8.4	57.8	57.7	57.7	58.0	58.2	58.2	58.1	57.6	61.6	8	57.6	24	4.0	59.7	1012.9
2.6	52.4	52.3	52.1	52.2	52.8	53.3	53.6	53.7	57.6	0	52.1	19	5.5	54.7	1006.2
3.5	53.5	54.0	54.9	55.7	56.5	56.8	57.0	57.1	57.1	24	52.8	5-6	4.3	54.4	1005.8
4.4	53.9	54.1	54.2	53.9	54.5	54.3	54.2	53.3	57.7	8	53.3	24	4.4	55.9	1007.8
1.8	51.4	51.4	51.7	52.0	52.3	52.3	52.2	52.2	53.9	10	51.4	17,18	2.5	52.6	1003.4
0.1	49.5	48.9	48.9	49.7	50.2	50.7	51.1	51.3	53.0	7,8	48.9	18,19	4.1	51.4	1001.8
1.3	51.1	51.0	51.2	51.2	51.3	51.4	51.3	51.1	54.6	2-3	50.6	5-6	4.0	52.2	1002.9
9.5	50.0	50.9	50.4	52.0	51.8	51.6	51.9	52.1	55.0	8-9	47.9	15-16	7.1	50.9	1001.2
2.8	52.3	52.5	52.5	52.6	52.2	52.4	52.6	52.1	55.7	8	51.4	0-1	4.3	53.4	1004.5
0.7	50.8	51.1	51.7	52.0	52.4	52.6	52.7	52.7	52.7	23,24	49.2	8-9	3.5	51.1	1001.4
2.2	51.9	51.4	52.1	52.4	53.0	53.3	53.7	53.3	55.2	21-22	51.3	18-19	3.9	53.1	1004.1
2.9	52.9	52.9	53.2	53.6	53.9	54.0	54.2	54.4	55.7	9-10	52.4	4	3.3	53.7	1004.9
3.4	53.1	53.1	53.2	53.4	53.8	54.5	54.6	54.4	55.1	7,8	53.1	17,18	2.0	54.3	1005.7
0.7	50.1	49.9	50.2	50.2	50.7	51.0	51.0	50.9	54.4	varios	49.9	18	4.5	52.4	1003.2
1.8	51.9	52.6	53.3	54.7	55.4	56.2	57.0	56.7	57.1	23-24	49.7	1-2	7.4	52.9	1003.8
6.6	56.1	56.3	56.8	57.2	57.6	58.1	58.2	58.3	58.3	24	55.5	3	2.8	57.0	1009.3
9.1	59.0	59.0	59.2	59.7	60.1	60.7	60.7	60.8	60.8	24	58.3	0	2.5	59.6	1012.8
9.5	59.1	59.1	59.2	59.4	59.8	60.0	60.0	59.9	62.0	8	59.1	17,18	2.9	60.5	1014.0
3.2	53.1	53.1	53.5	53.8	54.2	54.5	54.6	54.6	56.6		52.2		4.4	54.3	1005.7

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
28.8	25.4	22.8	21.1	19.8	18.6	17.7	16.6	15.4	32.9	13-14	15.4	24	17.5	23.7
24.1	22.5	20.4	18.6	17.1	15.8	14.2	13.4	12.6	24.1	16	12.0	5	12.1	17.7
29.8	29.3	28.0	24.6	22.1	20.2	19.4	18.1	18.8	30.2	14-15	11.5	4,5	18.7	21.0
32.1	31.4	29.9	27.1	24.5	24.0	22.3	20.8	20.3	32.7	14-15	15.6	5-6	17.1	24.6
21.5	21.3	19.8	18.6	16.7	15.2	14.6	13.6	13.1	27.4	11	13.1	24	14.3	20.0
21.4	20.7	20.6	18.0	15.5	15.1	14.1	13.5	13.1	22.1	15-16	11.9	5	10.2	16.1
24.7	24.2	23.0	20.6	20.1	18.6	18.7	16.7	15.4	24.8	14,15	12.3	5-6	12.5	19.4
28.5	28.4	27.4	23.9	20.3	17.9	16.6	15.6	16.5	28.8	15-16	13.5	4	15.3	20.9
32.1	31.2	29.8	27.1	25.1	24.2	23.3	22.5	21.3	32.4	15	14.9	5-6	17.5	24.4
21.7	21.6	21.6	21.8	22.3	22.4	22.5	21.6	20.8	31.5	11-12	17.4	5	14.1	22.6
24.5	23.1	24.7	24.1	23.5	21.4	19.9	18.6	17.4	27.9	14	17.4	24	10.5	22.4
24.2	23.4	21.8	19.0	16.7	16.0	15.8	14.3	13.8	24.9	14-15	11.3	5-6	13.6	17.9
29.9	29.1	29.1	25.7	23.3	22.4	20.7	18.5	20.5	31.0	14-15	11.7	5-6	19.3	21.9
29.8	29.2	27.7	24.6	22.7	20.6	20.5	19.5	19.8	30.8	15	16.8	5-6	14.0	24.0
30.9	30.8	28.8	26.3	24.2	23.2	22.7	21.3	21.8	31.2	14-15	15.1	3-4	16.1	24.4
30.6	30.8	27.9	24.4	21.8	20.1	19.6	19.1	18.5	31.9	14-15	16.8	5	15.1	24.4
26.6	24.4	23.4	20.8	19.8	19.8	19.4	19.5	19.6	30.7	13-14	16.7	4,5	14.0	22.4
27.8	27.7	27.3	25.3	22.6	21.2	19.7	19.1	19.0	27.8	varios	18.9	4,5	8.9	22.5
33.6	32.8	30.5	27.9	25.9	24.3	24.8	24.1	23.9	33.8	14,15	15.8	5	18.0	25.9
33.1	34.0	33.0	29.6	26.2	25.7	25.6	25.1	25.1	35.8	14-15	20.0	5-6	15.8	27.2
22.1	20.9	20.8	20.8	21.1	20.9	20.6	19.7	19.3	25.1	0	19.0	23-24	6.1	22.1
30.3	27.2	25.6	24.5	23.1	23.1	23.1	23.1	22.9	30.6	15	14.6	5-6	16.0	22.6
24.9	24.8	24.4	22.9	21.2	20.1	19.2	17.7	16.5	27.5	14-15	16.5	24	11.0	22.2
26.1	26.0	25.1	24.0	22.9	22.3	19.2	19.1	18.4	26.3	16-17	14.2	2	12.1	20.3
29.3	29.2	28.1	25.0	22.6	21.0	19.5	19.1	18.5	29.3	16	16.2	4	13.1	21.7
31.9	31.6	29.5	25.7	22.6	20.3	19.6	21.8	20.8	32.2	15-16	16.0	5-6	16.2	23.7
32.9	32.3	31.4	29.2	28.2	27.6	27.2	27.0	26.5	33.3	14-15	16.8	3-4	16.5	26.7
27.6	26.7	24.4	21.3	20.2	18.4	18.5	17.5	17.6	27.8	15	17.3	23-24	10.5	22.7
26.0	25.0	23.9	22.2	21.3	20.3	19.6	18.2	17.3	26.0	15,16	17.3	24	8.7	21.2
30.0	29.1	27.0	24.8	22.6	20.9	19.3	18.3	17.4	30.6	15	12.4	5-6	18.2	22.1
32.0	31.1	29.7	26.6	23.5	21.8	21.8	21.2	21.3	32.2	15	14.1	5-6	18.1	23.9
28.0	27.3	26.0	23.7	21.9	20.8	20.0	19.2	18.8	29.5		15.2		14.3	22.3

HUMEDAD RELATIVA en %

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

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	15.5	15.5	15.0	12.5	13.0	15.0	16.5	17.2	17.0	17.0	19.0	18.5	15.5	15.0	17.5
2	9.0	9.5	9.5	10.0	10.0	10.0	9.5	10.4	9.0	9.0	8.0	8.5	7.8	7.2	7.0
3	10.5	10.5	10.0	9.5	9.5	11.0	8.5	9.2	9.0	8.0	9.0	10.0	10.5	9.9	10.0
4	11.0	10.5	11.0	10.5	9.0	6.8	7.6	9.0	9.0	9.0	10.0	9.5	10.0	10.1	10.0
5	13.0	13.0	13.0	13.0	14.5	15.5	16.5	16.0	16.0	15.0	17.0	16.5	12.0	11.8	12.0
6	10.5	10.5	10.5	10.0	10.0	10.0	9.5	11.0	10.5	9.0	8.5	7.8	7.4	7.0	7.2
7	11.0	11.0	11.0	11.0	10.5	11.5	14.0	10.9	9.5	9.5	7.0	8.5	7.4	7.6	7.6
8	11.5	11.5	10.5	10.0	9.5	10.0	10.5	9.5	9.5	7.8	7.0	7.4	7.6	7.6	6.6
9	10.0	10.0	9.5	9.5	9.5	10.5	12.0	11.0	10.5	12.0	11.5	12.5	13.0	11.9	11.5
10	10.0	10.5	10.0	10.5	10.5	11.5	13.0	13.4	14.0	15.0	16.0	16.0	15.5	16.8	18.0
11	16.5	17.5	16.5	15.5	16.0	16.0	16.5	16.6	17.5	17.5	18.0	19.0	19.5	19.5	20.5
12	11.0	11.0	11.0	10.0	9.5	9.5	9.5	9.2	9.0	8.5	8.0	7.6	7.0	7.8	8.5
13	8.5	8.5	9.5	9.5	9.5	10.0	11.5	10.5	10.5	10.5	9.5	9.5	10.0	8.5	8.5
14	13.5	13.0	13.0	13.5	12.5	13.5	13.0	11.9	10.5	10.5	11.0	10.0	9.0	10.1	5.8
15	13.5	12.5	11.5	12.0	11.5	13.5	14.5	14.9	15.0	12.0	11.5	12.0	11.5	12.0	11.5
16	14.5	15.0	13.5	13.5	13.0	13.0	14.0	15.6	13.0	13.0	12.5	11.5	10.5	11.2	11.0
17	13.0	13.0	13.5	13.5	13.5	14.0	15.0	16.0	16.5	17.5	18.0	17.0	17.5	15.8	15.0
18	16.5	16.0	16.0	15.5	15.5	16.0	16.5	16.5	16.0	16.5	14.0	15.5	13.5	14.7	13.0
19	15.0	14.5	14.5	14.0	13.0	14.0	16.0	16.5	16.0	16.0	14.0	13.0	12.5	11.7	10.5
20	14.5	15.0	19.0	16.5	17.5	16.5	17.0	16.3	14.5	15.5	15.5	15.5	13.5	14.1	16.0
21	19.0	19.5	19.0	18.5	19.5	19.0	20.0	18.8	17.0	16.5	17.5	16.5	19.0	19.0	19.0
22	15.5	14.5	13.5	12.5	12.0	12.0	12.5	14.9	16.0	17.0	14.5	8.0	8.5	8.5	10.5
23	12.0	13.5	14.5	12.5	13.0	13.0	13.5	15.5	18.5	17.0	16.0	18.0	19.0	22.0	21.0
24	12.5	11.5	11.5	12.0	12.5	13.0	13.0	12.5	12.5	12.5	13.5	13.5	14.5	14.8	14.0
25	14.5	14.0	13.5	13.0	14.0	15.0	16.0	17.0	16.5	17.5	18.5	18.0	18.5	19.1	15.5
26	15.0	14.5	14.5	14.5	14.0	13.5	14.0	16.3	15.5	14.0	9.5	10.5	11.0	10.5	9.5
27	16.0	14.5	14.0	14.5	16.0	18.5	21.5	21.0	20.5	20.0	18.5	19.5	20.0	19.5	19.5
28	20.0	19.5	19.5	21.0	18.0	17.5	17.5	17.4	17.0	17.0	16.5	18.0	18.5	20.1	18.5
29	12.5	13.5	14.5	14.0	14.0	14.0	14.5	16.2	15.0	15.5	14.5	13.5	14.0	14.6	14.5
30	13.0	12.0	11.5	11.0	10.5	10.5	15.5	13.2	11.5	11.5	11.0	13.5	13.5	13.5	13.5
31	13.5	13.0	12.5	12.5	11.5	13.5	17.0	18.0	17.5	17.0	15.5	16.5	14.5	14.5	13.5
Prom.	13.3	13.3	13.1	12.8	12.7	13.1	14.1	14.3	13.9	13.7	13.2	13.3	13.0	13.1	12.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
59	67	51	46	49	52	72	81	79	97	1,2	42	13-14	55	66
29	49	61	68	69	79	100	100	100	100	varios	29	16	71	68
26	25	23	39	46	57	65	73	75	100	varios	31	15	69	59
29	29	33	39	48	49	63	67	69	80	4	27	12-13	53	48
70	80	96	98	100	100	100	100	100	100	varios	54	9-10	46	82
40	44	48	49	75	86	86	85	100	100	varios	49	19-20	51	73
37	39	45	56	64	70	68	82	94	100	varios	32	14	68	66
25	25	31	46	64	74	81	73	73	87	22-23	24	15-16	63	58
34	40	43	55	66	67	77	59	59	79	21-22	33	16-17	46	56
88	89	85	83	80	86	89	93	94	94	24	47	11-12	47	73
84	88	88	91	81	62	63	66	77	100	6,7	66	14-15	34	84
41	43	48	55	69	63	64	70	77	100	5	33	13	67	64
32	29	26	50	66	75	80	89	78	94	5	28	15	66	60
26	35	41	50	51	78	78	82	82	92	4-5	15	14-15	77	58
34	33	42	49	59	70	74	81	75	90	5-6	32	16-17	58	61
36	38	54	65	72	78	80	83	88	97	4-5	32	14	65	63
75	93	91	99	98	100	100	100	100	100	varios	50	14,15	50	83
45	47	48	58	76	84	89	90	89	100	varios	44	15-16	56	78
27	29	45	56	64	76	77	84	81	100	varios	24	15-16	76	65
51	42	45	61	70	72	73	78	82	98	5-6	34	12-13	64	66
98	100	100	100	100	100	100	100	100	100	varios	77	7-8	23	94
30	38	45	61	62	64	68	66	61	100	varios	23	12-13	77	69
74	72	67	73	80	77	78	86	91	96	12	61	0	35	78
57	57	63	75	76	88	95	97	98	100	2,4	55	15-16	45	81
48	47	50	67	90	95	97	99	100	100	varios	45	17-18	55	86
23	26	36	58	72	89	88	85	89	100	varios	21	16-17	79	69
55	57	61	72	76	79	82	85	87	100	varios	50	12-13	50	77
73	75	84	91	86	70	77	85	88	100	varios	66	21-22	34	85
58	72	76	83	86	95	95	97	100	100	24	56	16-17	44	82
48	52	57	68	81	90	95	98	100	100	varios	40	14-15	60	74
38	35	43	55	74	80	84	84	80	100	varios	32	17-18	68	72
48	51	56	65	72	78	82	84	86	97		40		57	71

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
17.0	16.0	10.5	8.5	8.4	8.0	10.5	11.5	10.0	19.0	11	8.0	21	11.0	14.1
6.2	9.5	11.0	10.5	10.0	10.0	11.5	11.0	10.5	11.5	22	6.2	16	5.3	9.4
8.5	6.8	6.4	8.5	9.1	10.0	10.5	11.0	11.5	11.5	24	6.4	18	5.1	9.5
9.5	9.5	10.0	10.0	11.0	10.5	12.5	12.0	12.0	12.5	22	6.8	6	5.7	10.0
12.5	14.5	16.5	15.5	14.2	12.5	12.0	11.0	10.5	17.0	11	10.5	24	6.5	13.9
7.2	7.6	8.5	7.2	9.8	11.0	10.5	9.5	11.0	11.0	varios	7.0	14	4.0	9.2
8.5	8.5	8.5	10.0	11.2	10.5	10.5	11.5	12.0	14.0	7	7.0	11	7.0	10.0
6.6	6.6	8.5	10.0	11.4	11.0	11.5	9.5	10.0	12.0	0	6.6	varios	5.4	9.2
11.5	12.5	13.0	14.0	15.5	15.0	16.5	11.5	10.5	16.5	22	9.5	varios	7.0	11.9
16.5	16.5	15.5	16.0	16.0	17.5	17.5	17.5	16.5	18.0	15	10.0	1,3	8.0	14.6
18.5	18.5	20.0	20.5	17.5	11.5	10.5	10.5	11.5	20.5	15,19	10.5	22,23	10.0	16.7
9.5	9.0	9.0	8.5	9.3	8.5	8.0	8.0	9.0	11.5	0	7.0	13	4.5	9.0
10.0	8.0	8.0	11.5	14.2	14.5	14.0	13.5	13.5	14.5	21	8.0	17,18	6.5	10.5
8.5	9.5	11.5	11.0	10.5	14.0	14.0	14.0	14.0	14.0	varios	5.8	15	8.2	11.6
10.5	10.5	12.5	12.0	13.2	14.0	14.5	13.5	14.0	15.0	9	10.5	16,17	4.5	12.7
12.0	12.0	9.0	14.0	14.0	13.5	13.0	13.5	13.5	15.6	8	9.0	18	6.6	12.9
18.5	21.0	19.5	17.5	16.5	16.5	16.0	16.0	16.5	21.0	17	13.0	1,2	8.0	16.1
11.5	13.0	12.5	13.5	15.4	15.5	15.0	14.5	14.0	16.5	varios	11.5	16	5.0	14.8
10.5	10.0	13.5	16.0	15.7	17.5	18.0	18.5	18.0	18.5	23	10.0	17	8.5	14.5
19.5	17.0	16.0	19.0	17.8	17.5	17.5	18.0	19.5	19.5	16,24	13.5	13	6.0	16.6
19.0	18.0	17.5	17.5	18.7	18.0	17.5	16.5	16.0	20.0	7	16.0	24	4.0	18.2
8.5	10.0	10.0	14.0	13.1	13.0	14.0	14.0	13.0	17.0	10	8.0	12	9.0	12.5
18.0	16.5	15.0	15.0	15.0	13.5	12.5	13.0	13.0	22.0	14	12.0	1	10.0	15.4
14.5	14.5	14.5	16.0	15.8	17.5	15.0	16.0	15.0	17.5	21	11.5	2,3	6.0	13.8
14.5	14.0	13.5	16.0	17.5	17.0	16.5	16.0	15.5	19.1	14	13.0	4	6.1	15.9
8.0	9.5	11.5	14.0	14.6	15.5	14.5	16.0	16.0	16.3	8	8.0	16	8.3	13.2
19.5	19.0	21.5	21.5	21.6	21.0	22.0	22.0	22.5	22.5	24	14.0	3	8.5	19.3
20.0	19.0	18.5	17.5	15.2	11.0	12.0	12.0	13.0	22.5	0	11.0	21	11.5	17.2
14.5	17.0	17.0	16.0	16.1	16.0	15.5	15.0	14.0	17.0	17,18	12.5	1	4.5	14.8
15.0	15.5	14.0	15.5	16.4	16.0	15.0	15.0	14.0	16.4	20	10.5	5,6	5.9	13.4
13.0	11.0	13.0	13.5	15.5	15.0	16.0	15.5	14.5	18.0	8	11.0	17	7.0	14.5
12.8	12.9	13.1	13.9	14.2	14.0	14.0	13.8	13.7	16.7		9.8		6.9	13.4

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	C	0	C	1	SE	8	SE	7	E	7	E	6	NE	10	NE	13	N	8	N	5	SW	4	SW	6	W	9	SW	11	SW	12
2	SE	13	SE	8	SE	5	C	1	S	3	S	4	S	5	S	5	SE	6	SE	5	SE	8	SE	11	SE	9	SE	7	SE	6
3	N	8	N	7	N	7	N	8	N	9	N	9	NW	14	NW	13	NW	19	NW	24	NW	27	NW	26	NW	21	NW	23	NW	19
4	NW	15	NW	16	NW	12	NW	12	NW	11	NW	15	NW	19	NW	27	NW	30	NW	33	NW	34	NW	29	NW	33	NW	27	NW	35
5	S	9	SE	6	SE	5	E	8	E	12	E	7	SE	4	E	8	E	7	E	4	E	5	W	5	NW	7	NW	8	W	5
6	SE	9	S	8	S	7	S	9	S	8	S	11	S	13	S	13	S	17	S	16	S	17	S	17	S	18	S	17	S	19
7	SE	3	SE	2	C	0	C	0	C	1	C	1	N	9	NW	7	W	10	W	12	NW	13	NW	7	NW	10	NW	11	NW	8
8	E	3	E	2	E	2	E	2	NW	9	NW	9	NW	16	NW	16	W	12	W	13	W	14	W	14	SW	11	SW	9	W	10
9	NW	7	NW	6	NW	7	N	3	NW	9	N	9	N	9	NW	19	NW	21	NW	19	NW	17	NW	17	NW	18	NW	16	NW	19
10	N	11	N	11	N	8	N	14	N	14	N	15	N	20	N	17	N	21	N	23	N	23	N	22	N	31	N	22	N	24
11	N	4	NW	5	NW	8	NW	8	N	4	N	7	N	8	NW	9	NW	11	NW	11	NW	10	NW	14	NW	14	NW	15	NW	23
12	SW	15	SW	13	SW	10	SW	12	SW	8	SW	6	S	5	S	7	S	6	S	6	S	5	S	5	S	5	S	5	S	5
13	N	9	N	11	N	9	N	9	N	8	N	9	N	15	N	17	NW	14	NW	12	NW	11	W	10	W	8	W	8	W	9
14	E	9	E	10	E	5	NE	5	NE	4	C	1	NE	5	N	9	N	14	NW	19	N	14	N	11	N	10	N	9	N	10
15	E	4	E	3	C	1	N	10	N	8	N	5	N	9	N	13	N	17	N	13	N	8	N	6	N	12	N	12	N	6
16	E	6	E	4	S	4	C	1	E	2	NE	3	C	0	C	1	W	3	SW	8	SW	10	S	9	S	8	S	8	S	8
17	SE	5	SE	6	SE	4	SE	5	SE	4	SE	5	SE	2	E	7	NE	12	NE	14	NE	13	NE	14	NE	14	NE	11	NE	12
18	S	2	S	2	S	3	S	4	S	4	S	4	SW	3	SW	5	SW	10	SW	9	SW	12	SW	12	SW	11	SW	12	SW	11
19	W	8	W	6	W	6	C	0	W	3	W	4	W	8	W	8	W	10	W	8	NW	8	NW	9	NW	10	NW	9	N	12
20	N	3	S	8	SW	16	S	18	S	6	E	8	NW	9	N	14	NW	6	W	8	W	12	NW	10	NW	9	NW	15	W	8
21	N	8	N	7	N	9	N	12	N	9	N	4	S	7	C	1	W	9	NW	11	NE	3	N	10	E	9	S	5	SW	3
22	SW	3	W	4	C	1	C	0	S	2	C	1	S	2	E	3	C	1	N	7	N	2	W	3	NW	3	C	1	SE	4
23	E	9	NE	10	NE	14	NE	17	NE	19	NE	16	NE	21	NE	20	NE	18	NE	6	S	6	SE	2	S	3	W	10	W	18
24	W	4	W	4	W	4	SW	6	W	3	SW	8	SW	8	SW	11	SW	11	SW	8	SW	6	SW	8	SW	9	SW	9	SW	9
25	N	3	C	0	C	0	C	1	NE	2	NW	4	NW	6	W	5	W	5	W	7	W	5	NW	8	W	5	NW	10	W	10
26	NW	5	NW	7	NW	5	NW	5	W	2	NE	2	N	5	N	3	C	1	N	4	N	3	W	3	S	2	S	4	W	4
27	E	4	E	2	C	0	E	4	NE	5	NE	8	NE	9	NE	11	N	13	N	11	N	13	N	14	N	15	N	17	N	16
28	S	4	E	2	S	4	C	0	SW	13	S	5	E	3	SW	6	S	3	E	13	E	10	E	9	E	6	E	7	E	10
29	SE	13	SE	11	E	11	S	5	S	6	S	3	S	4	S	5	S	7	S	5	SE	7	SE	7	SE	7	SE	9	E	8
30	C	0	C	1	C	0	C	0	C	0	C	0	C	0	C	1	S	3	S	7	S	6	E	7	E	6	S	6	SE	4
31	N	2	N	2	C	1	C	0	C	1	C	0	SE	3	NE	3	N	4	N	5	N	4	N	7	N	7	N	7	N	6
DIR. PREV.	N		N SE		C		C		N S		N		N		N NW		N W NW		N NW		N NW		NW		NW		NW		N	
Nº de HORAS	8		5		7		9		6		7		7		6		6		7		7		8		9		9		6	
PROM. HOR. DE LA VELOC		6		6		6		6		6		6		8		10		11		11		11		11		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
S	15	S	16	SE	15	SE	11	SE	12	SE	10	SE	13	SE	12	SE	10	SE	10	9	30	SE	17.12
SE	9	SE	10	E	11	E	9	E	4	C	1	N	4	N	5	N	6	SE	12	6	18	SE	0.29
NW	19	W	16	W	12	W	8	NW	6	NW	9	NW	10	NW	8	NW	13	NW	15	14	40	NW	13.16
NW	30	NW	29	NW	23	NW	15	NW	11	NW	13	NW	11	N	10	N	9	NW	22	21	46	NW	10.46
SW	6	S	4	S	6	S	10	S	7	S	10	S	12	S	14	S	10	S	9	7	28	S	22.40
S	15	S	12	S	7	S	4	C	0	C	1	E	2	C	1	SE	2	S	18	10	37	S	11.56
NW	12	N	15	N	18	NE	16	NE	5	N	8	N	7	S	5	E	3	NW	7	8	21	NW	16.32
W	9	W	6	W	3	C	1	C	0	C	0	C	1	N	5	N	6	W	8	7	25	SW	13.02
N	16	N	17	NE	15	NE	8	NE	6	NE	8	NE	7	N	13	N	13	NW	12	12	26	N	7.45
N	11	S	6	S	8	E	9	E	9	E	12	NE	13	N	10	C	1	N	17	15	46	N	12.36
NW	33	NW	21	NW	19	NW	14	W	10	SW	8	SW	5	SW	8	SW	16	NW	16	12	50	NW	15.18
N	10	NE	11	NE	13	NE	9	NE	5	NE	9	NE	10	N	8	N	8	S	9	8	30	SW	1.28
SW	6	SW	7	S	2	SE	2	NE	7	NE	5	NE	5	C	0	E	4	N	8	8	21	N	6.40
N	10	N	14	N	14	NE	7	E	2	E	3	E	6	E	4	E	5	N	10	8	22	N	11.59
NW	5	NW	7	N	6	NE	6	E	7	E	7	E	5	E	4	NE	5	N	13	7	20	N	12.09
S	8	S	8	S	11	E	16	SE	15	SE	13	SE	12	SE	9	SE	9	S	8	7	26	E	17.56
NE	14	E	7	E	2	S	6	S	8	S	3	S	5	SE	4	E	7	NE SE	8	8	20	NE	15.32
SW	10	SW	8	SW	7	SW	3	C	1	C	0	C	1	W	3	W	5	SW	13	6	23	SW	12.28
N	10	N	10	NE	12	NE	8	E	4	E	4	E	4	NE	2	NE	2	W	9	7	19	N	14.20
S	10	W	5	W	7	W	4	NE	3	NE	2	E	6	NE	3	NE	7	W	6	8	56	W	2.17
SW	6	SW	7	S	5	S	3	SW	5	SW	3	C	1	W	2	W	4	N	7	6	53	W	8.54
E	3	E	6	E	4	E	5	E	2	E	7	E	7	E	8	E	9	E	10	4	11	E	16.24
SW	20	SW	18	W	14	W	10	W	5	W	5	SW	7	SW	5	W	4	NE	9	12	41	W	8.34
S	7	S	6	S	3	C	0	S	4	S	2	E	4	N	3	NW	4	SW	11	6	18	SW	7.49
W	9	W	6	W	3	SW	2	NW	4	NW	3	W	5	NW	3	NW	4	W	10	4	16	W	9.32
W	5	SW	3	S	3	C	0	E	2	C	1	E	2	E	7	E	7	N-E NW-W	4	4	8	NW	1.48
N	19	N	20	N	18	N	12	N	9	N	9	N	10	N	10	N.	6	N	16	11	24	N	13.52
SE	8	SE	8	SE	11	SE	14	SE	15	SE	14	SE	13	SE	14	SE	13	SE	9	8	34	SW SE	4.17 20.24
E	8	E	9	E	8	E	5	E	5	E	2	E	4	C	1	C	1	E	9	6	24	SE	1.35
SE	7	N	5	NE	4	NE	3	C	1	E	3	E	2	NE	3	C	0	C	10	3	10	S	12.44
N	6	N	8	N	8	N	6	C	1	NE	5	NE	5	NE	5	NE	5	N	13	4	13	N	13.08
N		N		S		NE		E		E		E		N		N-E		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		72 Km.		
7		7		8		7		8		7		10		8		6					DIREC.	DIA	HORA
	11		10		9		7		6		6		6		6		6	N	132	8	NW	4	de 14.55 a 15.00
																					N	23	de 8.10 a 8.15

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	13	2	23	2	13	9	98	2	31	4	33	1	9			2	221
2	3	15			3	24	12	97	4	17							2	155
3	6	48											3	36	15	251		335
4	2	19													22	480		499
5					7	51	3	15	9	82	1	6	2	10	2	15		179
6					1	2	2	11	18	226							3	243
7	5	57	2	21	1	3	2	5	1	5			2	22	7	68	4	183
8	2	11			4	9					2	20	8	81	4	50	4	173
9	7	80	5	44											12	175		299
10	17	297	1	13	3	30			2	14							1	355
11	4	23									4	37	1	10	15	215		285
12	3	26	6	57					9	49	6	64						196
13	8	87	3	17	1	4	1	2	1	2	2	13	4	35	3	37	1	197
14	10	115	4	21	8	44									1	19	1	200
15	13	125	2	11	6	30									2	12	1	179
16			1	3	4	28	5	58	8	64	2	18	1	3			3	176
17			8	104	4	23	8	35	4	22								184
18									6	19	13	113	2	8			3	142
19	3	32	4	24	3	12							9	61	4	36	1	165
20	2	17	4	15	2	14			4	42	1	16	6	44	5	49		197
21	7	59	1	3	1	9			4	20	5	24	3	15	1	11	2	143
22	2	9			10	54	1	4	2	4	1	3	2	7	1	3	5	88
23			9	141	1	9	1	2	2	9	4	90	7	66				277
24	1	3			1	4			5	22	11	93	4	15	1	4	1	141
25	1	3	1	2							1	2	10	60	8	42	3	110
26	4	15	1	2	4	18			3	9	1	3	4	14	4	22	3	85
27	16	212	4	33	3	10											1	255
28					8	60	9	110	4	16	2	19					1	205
29					9	60	6	54	7	35							2	151
30	1	5	3	10	4	18	2	11	4	22							10	69
31	13	72	5	23			1	3									5	101
SUMAS	132	1343	66	567	90	529	62	505	99	712	60	514	69	496	107	1489	99	6188
% PREVAL POR VELOCIDAD	21.7		9.2		8.5		8.2		11.5		8.3		8.0		24.1		0.5	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	10		8		6		8		7		8		7		14		0.6	200

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	8		6	5	2	2	2	3	2
1 - 2	5	1	6	5	3	1	3	4	3
2 - 3	4	1	3	4	4	2	2	4	7
3 - 4	6	2	3	2	4	2		3	9
4 - 5	6	4	3	1	6	2	3	3	3
5 - 6	7	4	3	1	5	2	1	3	5
6 - 7	7	4	1	3	6	2	1	5	2
7 - 8	6	4	3		4	3	2	6	3
8 - 9	6	2	1	1	5	2	6	6	2
9 - 10	7	2	2	1	4	3	5	7	
10 - 11	7	2	2	2	4	4	3	7	
11 - 12	6	1	2	3	3	3	5	8	
12 - 13	5	1	3	2	5	3	3	9	
13 - 14	5	1	1	2	6	4	2	9	1
14 - 15	6	1	2	3	3	4	7	5	
15 - 16	7	1	2	3	5	5	3	5	
16 - 17	7	1	3	2	6	5	4	3	
17 - 18	5	4	4	2	8	1	5	2	
18 - 19	2	7	5	3	4	2	3	2	3
19 - 20	1	5	8	3	3	1	2	3	5
20 - 21	2	5	7	3	3	2	1	3	5
21 - 22	3	5	10	3	2	2	1	2	3
22 - 23	8	4	4	4	2	2	2	2	3
23 - 24	6	4	6	4	1	1	3	3	3
SUMAS	132	66	90	62	99	60	69	107	59
% de frec. por dirección	17.7	8.9	12.1	8.3	13.3	8.0	9.3	14.4	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	0-10	CLASE	0-8	90 - 99		
1	Ci	4	Cu 4 Cu 4	8	Cu 5 Cu 3	8	Claro	0	Sc	1	99	98	98
2	Cs	8	Ci	8	Cs	7	Ci	1	Claro	0	8	8	7
3	Claro	0	Claro	0	Cu	4	Claro	0	Claro	0	8	8	8
4	Claro	0	Claro	0	Claro	0	Ac	2	Sc	2	8	7	7
5	As	8	Fs	8	Fs	8	Fs	8	Fs	8	7	8	7
6	Cu 3 Ac 2	5	Cu	5	Cu	4	Sc	3	Sc	3	9	9	9
7	Ac 1 Ci 4	5	Cu	3	Cu	4	Sc 2 Ac 2 Ci 2	6	Ac	5	8	8	8
8	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	8	7
9	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	8	7
10	Ci Cs	6	Ac	7	Fs	8	Sc	7	Sc	8	7	8	7
11	Fs 4 As 4	8	Sc 6 Cs 1	7	Sc 6 Ci 1	7	Sc	5	Sc	1	8	7	8
12	Ci	2	Claro	0	Claro	0	Claro	0	Claro	0	9	9	7
13	Claro	0	Cu	1	Cu	4	Sc	2	Claro	0	9	9	8
14	Claro	0	Cu	2	Ci	1	Ci	6	Ci	3	8	8	7
15	Ci	2	Cu	5	Cu	3	Claro	0	Claro	0	8	8	8
16	Ac	3	Ac 2 Ci 1	3	Cu 1 Ci 5	6	Ac 3 Ci 1	4	Ci	4	7	8	7
17	Sc 6 Ci 1	7	Cs	8	Cs	7	Fs	8	Fs	8	6	8	8
18	St	8	Cu	6	Cu	3	Claro	0	Claro	0	6	8	8
19	Ci	4	Claro	0	Claro	0	Claro	0	Ci	3	9	8	8
20	Sc	7	Cs	8	Cs	7	Ci	4	Sc	1	8	8	8
21	Fs	8	Fs	8	Fs 3 As 5	8	Fs	8	Fs	8	7	8	8
22	Claro	0	Cs	5	Cs	6	Cs	8	Cs	6	1	8	8
23	Fs	8	Fs	8	Sc	6	Sc	3	Claro	0	8	7	8
24	Sc	8	Cu	4	Cu	1	Ac	7	Fs	8	8	9	8
25	St Sc	8	Sc	7	Sc 2 Ac 1 Cc 2	5	Ci	3	Ci	2	7	8	8
26	Ci	3	Claro	0	Ci	3	Claro	0	Claro	0	4	9	8
27	Cu	4	Cu	2	Cu	3	Ci	5	Cb	3	9	7	8
28	Fs	8	Sc	6	Sc	7	Fs	8	Fs	8	8	7	8
29	Sc	8	Sc 6 Cu 2	8	Sc	8	Ci	2	Claro	0	9	8	8
30	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	8	8
31	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	7
Prom.		4		4		4		3		3			

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
1	9	44.3	32.7	0.94	7	4	5	
	10	44.0	34.2	0.80	6	4	5	
	12	51.2	38.1	1.06	8	4	5	
	14	42.0	35.0	0.57	8	2	5	
	15	42.1	33.9	0.67	7	3	4	
2	9	42.2	33.9	0.67	8	2	4	
	10	38.0	24.4	1.10	8	2	4	
	12	46.3	28.1	1.48	8	3	5	
	14	41.5	27.2	1.16	7	1	5	
	15	39.6	29.6	0.81	7	2	5	
3	9	43.9	26.5	1.41	0	5	5	
	10	47.3	29.4	1.46	0	5	5	
	12	49.6	32.5	1.31	0	5	4	
	14	51.5	34.7	1.36	4	5	5	
	15	51.7	35.3	1.33	4	5	5	
4	9	48.3	31.5	1.36	0	5	5	
	10	50.2	33.4	1.36	0	5	4	B.
	12	53.3	36.6	1.36	0	5	4	B.
	14	53.7	37.2	1.34	0	5	4	B.
	15	52.9	37.0	1.29	0	5	4	B.
5	9	30.5	25.6	0.40	8	0	4	
	10	34.7	27.2	0.61	8	0	4	
	12				8	0	5	Am.
	14				8	0	5	LL.
	15				8	0	5	LL.
6	9	40.0	21.7	1.49	4	5	5	
	10	38.2	22.0	1.32	6	3	5	
	12	38.0	24.2	1.12	5	3	5	
	14	44.5	26.7	1.45	4	3	5	
	15	44.7	27.2	1.42	4	3	5	
7	9	47.6	26.5	1.72	3	5	5	
	10	46.6	28.0	1.51	2	5	5	
	12	50.6	30.6	1.63	3	4	5	
	14	51.4	31.4	1.63	3	5	5	
	15	48.7	30.6	1.47	3	5	5	
8	9	45.9	28.1	1.45	0	5	5	
	10	49.2	30.6	1.51	0	5	5	
	12	50.9	32.8	1.47	0	5	5	
	14	51.4	32.5	1.54	0	5	5	
	15	50.6	33.4	1.40	0	5	5	
9	9	48.5	31.0	1.42	0	5	5	
	10	51.1	34.0	1.39	0	5	5	
	12	52.7	36.6	1.31	0	5	5	
	14	53.5	37.2	1.33	0	5	5	
	15	53.0	37.5	1.26	0	5	5	
10	9	44.0	31.2	1.04	6	4	5	
	10	51.0	36.0	1.22	5	5	5	
	12	56.5	38.6	1.46	7	4	4	
	14	34.0	26.0	0.65	8	0	5	
	15				8	0	4	LL.
11	9	39.8	27.1	1.03	8	0	5	
	10	37.3	27.0	0.84	8	0	5	
	12	43.0	31.0	0.98	7	0	5	
	14	47.0	33.0	1.14	7	0	5	
	15				7	0	5	CH.
12	9	44.2	24.1	1.63	2	5	5	
	10	44.6	25.2	1.58	1	5	5	
	12	46.6	28.2	1.50	0	5	5	
	14	48.5	30.0	1.50	0	5	5	
	15	46.0	29.2	1.36	0	5	4	
13	9	45.5	27.2	1.49	0	5	5	
	10	48.7	30.4	1.49	0	5	5	
	12	51.0	33.3	1.44	1	5	5	
	14	54.2	36.4	1.45	4	3	5	
	15	41.2	32.1	0.74	5	3	5	
14	9	48.0	31.5	1.34	0	5	5	
	10	50.6	33.5	1.39	0	5	5	
	12	50.0	34.6	1.25	2	5	5	
	14	52.6	35.6	1.38	1	5	5	
	15	52.6	35.8	1.36	2	5	5	
15	9	49.4	32.0	1.41	2	5	5	
	10	51.9	34.0	1.46	1	5	5	
	12	52.9	35.4	1.42	5	5	5	
	14	53.3	36.1	1.40	3	5	5	
	15	49.7	31.3	1.50	3	5	5	
16	9	51.8	33.9	1.46	3	5	5	
	10	53.2	35.5	1.44	3	5	5	
	12	54.5	36.2	1.49	3	5	5	
	14	54.7	37.5	1.40	6	3	5	
	15	46.4	34.5	0.97	6	3	5	
17	9	48.7	30.6	1.47	7	4	3	No.
	10	49.1	31.6	1.42	7	4	3	No.
	12	52.1	33.9	1.48	8	3	5	
	14	52.8	35.6	1.40	7	3	5	
	15	40.4	31.7	0.71	7	3	5	
18	9	35.6	24.8	0.88	8	3	3	No.
	10	38.8	26.6	0.99	7	3	5	
	12	41.0	29.5	0.93	6	3	5	
	14	52.4	33.0	1.58	3	5	5	
	15	44.2	31.1	1.06	5	3	5	
19	9	50.4	32.3	1.47	3	5	5	
	10	52.6	34.5	1.47	1	5	5	
	12	54.2	36.6	1.43	0	5	5	
	14	55.5	38.5	1.30	0	5	5	
	15	54.6	38.6	1.38	0	5	5	
20	9	33.0	26.1	0.56	8	1	5	
	10	47.7	32.5	1.24	8	1	5	
	12	55.1	38.0	1.39	8	4	5	
	14	56.5	40.2	1.33	7	4	5	
	15	54.5	40.0	1.18	7	4	5	
21	9				8	1	5	LL.
	10				8	1	5	LL.
	12				8	1	5	LL.
	14				8	1	5	LL.
	15				8	1	5	LL.
22	9	35.9	24.2	0.95	7	3	3	No.
	10	45.2	28.0	1.40	7	3	3	No.
	12	53.1	34.5	1.51	5	4	5	
	14	51.1	34.4	1.36	6	4	5	
	15	49.1	34.2	1.21	7	3	5	
23	9				8	0	4	LL.
	10				8	0	4	LL.
	12				8	0	4	LL.
	14	45.5	32.0	1.10	6	3	5	
	15	48.2	32.2	1.30	4	5	5	
24	9	47.9	26.0	1.78	7	3	5	
	10	45.5	27.2	1.50	5	3	5	
	12	48.5	30.7	1.45	4	5	5	
	14	49.0	31.4	1.43	1	5	5	
	15	48.0	31.4	1.35	1	5	5	
25	9	25.1	21.3	0.31	8	0	4	
	10				8	0	3	Am.
	12	35.0	25.5	0.77	7	1	4	
	14	49.5	32.8	1.36	5	5	5	
	15	51.2	34.0	1.40	5	5	5	
26	9	47.0	28.6	1.50	0	5	4	
	10	51.2	32.6	1.51	0	5	5	
	12	53.7	35.5	1.48	0	5	5	
	14	54.5	36.6	1.46	3	5	5	
	15	52.9	36.1	1.36	3	5	5	
27	9	45.2	31.1	1.15	3	5	5	
	10	52.5	34.4	1.47	3	5	5	
	12	53.6	36.5	1.39	2	5	5	
	14	53.2	37.5	1.28	3	5	4	B.
	15	50.7	37.1	1.10	2	5	4	B.
28	9				8	0	5	Am.
	10	30.0	24.1	0.48	7	0	5	
	12	50.7	32.2	1.50	6	3	5	
	14	43.0	31.0	0.98	7	3	5	
	15	47.5	32.5	1.22	6	3	5	
29	9	31.0	23.1	0.64	8	2	5	
	10	39.9	26.5	1.09	7	3	5	
	12	43.1	29.0	1.15	8	3	5	
	14	37.0	28.0	0.73	8	3	5	
	15	45.5	30.6	1.21	7	3	5	
30	9	47.1	29.2	1.46	0	5	5	
	10	48.7	30.5	1.48	0	5	5	
	12	51.1	32.8	1.49	0	5	5	
	14	52.1	34.5	1.43	0	5	5	
	15	51.2	34.6	1.35	0	5	5	
31	9	48.1	30.6	1.42	0	5	5	
	10	50.6	32.4	1.48	0	5	5	
	12	53.4	35.6	1.45	0	5	5	
	14	53.4	36.5	1.37	0	5	5	
	15	53.1	36.7	1.37	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	0.3	0.5	1.0	1.0	1.0	0.5	11.8	14.3	82
2	0.5	1.0	0.4	0.2	0.6	0.3	1.0	0.8	0.1	0.2	0.9	1.0	1.0	0.4	8.4	14.3	59
3		0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.0	14.2	84
4	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	14.2	89
5					0.3										0.3	14.2	02
6			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.2	10.5	14.2	74
7	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	12.8	14.2	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	1.0	0.6	13.1	14.2	92
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	0.4	12.9	14.2	91
10	0.3	0.6	0.4	0.4	1.0	1.0	1.0	0.1	0.1	0.1	0.1		0.1		5.2	14.2	37
11				0.7	0.7	0.7	1.0	1.0	1.0	0.5	0.2	0.2	0.5		6.5	14.1	46
12	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	13.1	14.1	93
13	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.8	1.0	0.5	12.5	14.1	89
14	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	13.0	14.1	92
15	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	0.5	12.8	14.1	91
16	0.5	1.0	1.0	1.0	1.0	0.9	0.5	1.0	1.0	1.0	0.4	1.0	0.6		10.9	14.0	78
17			0.9	1.0	1.0	0.8	1.0	0.9	0.9	0.5					7.0	14.0	50
18				0.5	0.5	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	9.4	14.0	67
19	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	0.7	13.3	14.0	95
20					0.4	0.7	1.0	1.0	1.0	0.7	1.0	1.0	1.0	0.5	8.3	14.0	59
21															0.0	13.9	00
22					0.7	1.0	1.0	1.0	1.0	1.0	0.4				6.1	13.9	44
23								0.3	0.6	1.0	1.0	1.0	1.0	0.6	5.5	13.9	40
24				0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4		8.8	13.9	63
25								0.8	1.0	1.0	1.0	1.0	1.0	0.6	6.4	13.8	46
26			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	11.0	13.8	80
27			0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	10.7	13.8	78
28							1.0	0.2	0.5	0.7	0.3	0.4			3.1	13.8	22
29			0.1			0.2	0.2	0.1	0.1	0.6	0.8	1.0	1.0	0.1	4.2	13.7	31
30	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	0.4	12.5	13.7	91
31	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	13.0	13.7	95
Medias	0.2	0.5	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.3	9.3	14.0	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	24.2	30.2	25.6	23.8	26.7	26.1	22.6	23.2	24.0	23.0	23.1	23.5	-	-	-
2	22.3	26.6	22.7	22.7	25.1	24.2	22.1	22.0	22.8	22.9	22.6	22.8	-	-	-
3	21.4	28.1	24.6	21.4	25.4	24.7	21.0	21.2	22.4	22.0	21.8	22.2	-	-	-
4	22.4	29.0	25.8	22.5	26.5	25.4	21.6	22.0	23.0	22.2	22.2	22.6	-	-	-
5	23.5	24.8	23.3	23.2	24.2	23.6	21.9	22.2	21.8	22.4	22.3	22.0	-	-	-
6	19.8	24.4	22.0	20.7	23.5	22.5	20.3	20.5	20.9	21.4	21.2	21.4	-	-	-
7	21.6	26.6	23.4	20.6	24.4	23.4	20.0	20.6	21.3	21.0	20.8	20.5	-	-	-
8	21.0	27.4	23.8	21.1	25.2	24.1	20.3	21.0	21.6	21.1	21.2	21.6	-	-	-
9	21.6	28.8	25.6	21.0	25.9	25.2	20.5	21.4	22.4	21.6	21.5	22.2	-	-	-
10	22.6	27.2	24.2	22.7	25.4	24.2	21.4	21.6	22.1	22.2	21.8	22.3	-	-	-
11	22.8	27.4	25.2	22.8	25.8	24.8	21.4	22.0	22.4	22.0	22.0	22.3	-	-	-
12	21.6	27.5	23.6	21.4	25.3	24.0	21.0	21.3	22.0	21.8	21.8	21.8	-	-	-
13	21.2	28.8	24.8	21.2	25.7	24.7	20.7	21.4	22.2	21.8	21.5	22.0	-	-	-
14	22.8	29.4	25.8	22.9	26.5	25.4	21.4	22.0	22.8	22.1	22.0	22.5	-	-	-
15	23.3	29.8	26.4	22.9	26.9	25.9	21.9	22.6	23.2	22.5	22.5	22.6	-	-	-
16	24.0	29.8	26.8	23.6	27.2	26.5	22.9	23.2	23.8	23.0	23.0	23.4	-	-	-
17	23.6	29.8	26.2	23.7	26.9	25.9	22.6	23.2	23.8	23.4	23.2	23.7	-	-	-
18	23.7	28.2	26.0	24.0	26.6	26.0	22.5	22.8	23.6	23.3	23.4	23.5	-	-	-
19	23.6	30.6	27.2	23.4	28.0	26.8	22.4	22.4	24.0	23.0	23.4	23.6	-	-	-
20	24.4	29.8	27.6	24.6	27.6	27.2	23.2	23.8	24.4	23.8	23.6	24.0	-	-	-
21	25.4	24.4	24.2	25.2	24.5	23.0	23.8	22.8	22.8	24.0	23.5	23.2	-	-	-
22	22.0	28.0	24.5	22.6	26.1	24.4	21.8	22.3	23.0	21.6	22.5	23.1	-	-	-
23	23.0	24.6	24.6	23.2	23.7	24.4	22.0	22.0	22.4	22.6	22.4	21.7	-	-	-
24	21.8	27.4	25.4	22.1	26.4	25.0	21.2	21.6	22.6	22.0	21.8	22.6	-	-	-
25	22.6	25.4	25.2	22.8	24.0	24.7	21.6	21.4	22.2	22.4	22.2	22.4	-	-	-
26	23.2	28.0	26.0	23.0	26.7	25.8	21.7	22.3	23.3	22.4	22.2	22.9	-	-	-
27	24.0	30.2	27.9	23.6	27.6	27.1	22.4	22.8	23.8	23.0	22.8	23.5	-	-	-
28	24.4	27.6	26.4	25.3	26.4	26.2	23.6	23.4	23.8	23.8	23.6	23.6	-	-	-
29	23.6	26.2	24.2	23.8	25.2	25.3	22.6	22.7	23.2	23.6	23.2	23.2	-	-	-
30	22.6	28.2	26.2	22.8	26.3	25.8	22.0	22.4	23.2	22.8	22.6	23.4	-	-	-
31	23.2	29.1	26.6	23.2	26.9	26.3	22.4	22.8	23.9	23.2	23.2	23.8	-	-	-
Prom.	22.8	27.8	25.2	22.8	25.9	25.1	21.8	22.2	22.9	22.5	22.4	22.7	-	-	-

LLUVIA, ESTADO DEL SUELO, ETC...

DÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en %						Freatímetro
	50 cm.	1.50 m.	7 m.	18 m.		8^h	14^h	20^h	Total	Punto	7 cm.	15 cm.	30 cm.	60 cm.	1 m.	
1					0	1.0	1.9	2.4	5.9							10340
2					0	1.6	2.1	2.1	5.2	D.12	8.8	8.9	16.6			10365
3					0	1.0	3.5	3.6	9.6							10383
4					0	2.5	1.1	4.8	7.9							10378
5					0	2.0	1.6	0.5	2.5							10392
6	14.8	15.4	13.2	12.0	2	0.4	2.2	1.2	5.1							10420
7					1	1.7	2.4	2,5	5.5	D.13	8.9	8.6	14.4			10430
8					0	0.6	3.2	2.6	7.3							10435
9					0	1.5	3.9	2.5	9.5							10445
10	1.5	1.7	1.0	0.0	0	3.1	3.8	0.7	4.9							10445
11	0.1	0.4	0.0	0.0	0	0.4	1.1	1.3	4.1							10448
12					0	1.7	2.0	1.9	5.3	D.14	7.7	7.4	13.2	17.8	14.7	10485
13					0	1.4	2.5	2.2	5.7							10405
14					0	1.0	2.6	3.2	7.0							10515
15					0	1.2	3.1	2.6	7.0							10515
16					0	1.3	2.5	1.9	5.8							10517
17	8.7	8.0	6.4	-	0	1.4	2.0	1.1	3.3							10545
18					2	0.2	1.3	1.9	3.6	D.15	9.6	9.1	15.1			10546
19	0.5	0.8	0.0	0.1	1	0.4	2.7	2.4	6.6							10555
20					0	1.5	2.3	2.6	6.1							10562
21	-	30.2	-	-	0	1.2	0.4	0.2	0.6							10572
22					2	0.0	1.5	2.2	5.6	D.16	14.8	9.5	13.5			10588
23	6.6	7.3	-	5.1	1	1.9	0.4	1.1	2.1							10586
24	16.0	16.4	-	14.9	2	0.6	0.9	1.3	2.4							10595
25	0.8	1.2	0.3	0.6	2	0.2	0.3	1.7	2.0							10501
26					2	0.0	2.0	2.5	4.9							10505
27	7.6	9.3	8.2	7.0	1	0.4	1.9	2.4	5.2	D.17	17.7	16.3	16,8			10611
28	2.2	2.9	1.7	1.2	2	0.9	0.5	0.9	2.6							10515
29					2	1.2	0.9	1.2	2.3							10625
30					1	0.2	2.1	1.9	4.4							10625
31					0	0.4	2.0	2.4	5.0							10640
Prom.	-	93.6	-	-	-	1.0	2.0	2.0	5.0	-	-	-	-	-	-	10500

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		
-	-	-	22.7	22.9	22.7	20.0	-	15.3	Cn. m. y t., Ca. n., r. m..
-	-	-	22.7	22.9	23.1	20.0	-	8.8	Cn. m. y t., Ca. n.
-	-	-	22.8	22.8	22.8	20.1	-	7.7	Ca. m. y n., Cn. t.
-	-	-	22.9	23.0	22.9	20.2	-	-	Ca. m. t. y n., B. m. t. y n.
-	-	-	23.0	22.9	22.9	20.4	-	14.7	Cn. m. t. y n., Ru. CH. m., LL. t. y n.
-	-	-	22.8	22.9	22.9	20.3	-	10.7	Cn. m. y t., Ca. n.
-	-	-	22.8	22.8	22.9	20.2	-	10.7	Cn. m. t. y n., r. m.
-	-	-	22.7	22.7	22.8	20.3	-	10.7	Ca. m. t. y n.
-	-	-	22.8	22.8	22.7	20.4	-	10.2	Ca. m. t. y n., r. m.
-	-	-	22.4	22.7	22.9	20.3	-	14.2	Cn. m. t. y n., Ru. CH, t.
-	-	-	22.9	23.1	23.0	20.4	-	15.9	Cn. m. y t., Ca. n., Ds. m., CH. t.
-	-	-	22.8	22.8	22.9	20.4	-	7.8	Ca. m. t. y n.
-	-	-	23.2	22.9	22.9	20.4	-	7.7	Ca. m. y n., Cn. t.
-	-	-	22.9	22.8	22.8	20.5	-	12.9	Ca. m. y n., Cn. t., r. m.
-	-	-	23.0	23.0	23.0	20.5	-	11.7	Ca. m. y n., Cn. t.
-	-	-	22.9	23.0	23.1	20.5	-	13.0	Ca. m., Cn. t. y n., r. n.
-	-	-	23.1	23.2	23.1	20.6	-	13.6	Cn. m. t. y n., Ne. m., Ru. Z. LL. t.
-	-	-	23.3	23.4	23.4	20.6	-	18.7	Cn. m., Ca. t. y n., Ne. m., r. n.
-	-	-	23.4	23.4	23.5	20.6	-	12.7	Cn. m., Ca. t. y n., r. m.
-	-	-	23.5	23.5	23.6	20.7	-	18.7	Cn. m. y t., Ca. n., R. Tv. LL. m.
-	-	-	23.6	23.6	23.6	20.7	-	20.3	Cn. m. t. y n., Ru. LL. m. y t., N. n.
-	-	-	23.6	23.7	23.6	20.8	-	14.2	Ca. m., Cn. t. y n., N. Ne. m.
-	-	-	24.6	24.6	24.6	20.9	-	17.9	Cn. m. y t., Ca. n., LL. Ru. m.
-	-	-	23.6	23.6	23.6	20.9	-	11.7	Cn. m. y n., Ca. t., Ru. LL. n.
-	-	-	23.5	23.7	23.6	20.9	-	15.5	Cn. m. y t., Ca. n., LL. m.
-	-	-	23.6	23.6	23.6	20.9	-	15.5	Ca. m. t. y n., dv. N. Ne. m.
-	-	-	23.6	23.6	23.7	21.2	-	15.8	Cn. m. y t., Ca. n., r. m., B. t., R. n.
-	-	-	23.7	23.7	23.8	21.1	-	21.1	Cn. m. t. y n., LL. m.
-	-	-	23.7	23.9	23.8	21.2	-	17.4	Cn. m. y t., Ca. n., LL. m.
-	-	-	23.9	24.0	24.0	21.2	-	11.9	Ca. m. t. y n., r. m.
-	-	-	24.0	24.0	24.0	21.2	-	14.9	Ca. m. t. y n., r. m.
-	-	-	23.2	23.3	23.3	20.6	-	13.7	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESIÓN ATMOSFÉRICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANÍA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Posible Astronómica	Relativa
	mm. mb.	mm. mb.			mm. mb.			°C	°C	°C	°C			°C			Horas y Décimas		%
1ª	53.8	59.1	2	23-24	45.8	10	23-24	21.0	28.7	13.8	32.9	1	13-14	11.5	3	4,5	10.0	14.2	70
2ª	54.6	61.6	14	8	46.1	11	0	23.3	30.6	16.0	35.8	20	14-15	11.3	12	5-6	10.7	14.0	76
3ª	54.4	62.0	31	8	47.9	21	15-16	22.6	29.2	15.8	33.3	27	14-15	12.4	30	5-6	7.4	13.8	54
MES	54.3	62.0	31	8	45.8	10	23-24	22.3	29.5	15.2	35.8	20	14-15	11.3	12	5-6	9.3	14.0	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			Diarias	Día	Horarias	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	65	100	varios	24	8	11.2	19.0	6.2	NW	17	72	4	35	4	14-15	46	NW	4 10	10.46 12.36	17.1	15.4	6	-	-	-
2ª	68	100	varios	15	14	13.5	21.0	5.8	N	10	60	11	33	11	15-16	56	W	20	2.17	9.2	8.0	17	-	-	-
3ª	79	100	varios	21	26	15.3	22.5	8.0	N	8	72	23	21	23	6-7	53	W	21	8.54	67.3	30.2	21	-	-	-
MES	71	100	varios	15	14	13.4	22.5	5.8	NW	14	72	4, 23	35	4	14-15	56	W	20	2.17	93.6	30.2	21	-	-	-

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACIÓN							VIENTO - TORM. ELÉCT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1ª	3	1	-	-	-	-	-	2	-	-	2	-	-	-	-	2	1
2ª	3	-	2	-	-	-	-	3	-	-	2	-	-	-	2	2	3
3ª	4	1	2	3	-	-	-	6	-	-	2	-	-	-	1	3	3
MES	10	2	4	3	-	-	-	11	-	-	6	-	-	-	3	7	7

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	-	-	-	-	-	-	-	-	-	-	4	2	-	7	-
2ª	4	-	-	-	-	-	-	-	-	-	-	4	1	-	9	1
3ª	3	-	-	-	-	-	-	-	-	-	-	3	3	-	11	-
MES	10	-	-	-	-	-	-	-	-	-	-	11	6	-	27	1

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. IX FEBRERO 1954 Nº 2.

RESUMEN MENSUAL

El aire tropical reinante a principio de mes, es reemplazado en la noche del día 5 por una masa de aire un poco más fresco y seco. Se estabiliza el tiempo y la semana siguiente tiene el típico tiempo bueno y caluroso del verano. Temperatura y humedad absoluta suben en forma continua, mientras la presión baja. A partir del día 6 las condiciones atmosféricas tienen las características del aire tropical. Manteniéndose el tiempo bueno, esta evolución sigue hasta la noche del 8 al 9. Llega hasta el Río de la Plata aire fresco y seco en su avance desde la Patagonia produciendo una sensible disminución de la temperatura y humedad, y subida de la presión atmosférica. En esta masa de aire y con tiempo bueno, termina la década, anotándose el 10 la presión más alta del mes con 764.2 mmHg.

Al principio de la segunda década sigue el tiempo bueno. Pero con un nuevo aflujo de aire tropical aumenta la temperatura, humedad y nubosidad. A partir del 13 predomina aire tropical en gran parte de la Prov. de Buenos Aires. Un frente de altura produce en esta misma masa de aire lluvias durante la tarde del 14. El tiempo continúa inestable, caluroso y húmedo hasta el 17. En forma lenta aire más seco y frío desplaza al aire tropical. Sin embargo el mejoramiento es de corta duración, ya que una zona de inestabilidad produce lluvias intermitentes durante todo el día 20.

El pronunciado cambio del viento al sector Norte ocasiona un marcado aumento de la temperatura, humedad y nubosidad y una fuerte disminución de la presión atmosférica. Culmina este desarrollo el 23 cuando la temperatura y humedad no solo alcanzan los valores máximos mensuales, sino también de todo el verano, con 36.8°C y 23.3 mmHg. Al mismo tiempo baja la presión al mínimo mensual de 743.4 mmHg. En un rápido avance, llega aire fresco desde el Sur al Río de la Plata en la tarde del mismo día produciendo un brusco cambio del tiempo, raras veces observado con tal intensidad. La temperatura baja 21°C en 7 horas, de los cuales 9°C entre las 18 y 19 horas. La tensión del vapor baja en 4 horas 12.5 mmHg; la presión sube en este mismo lapso 7 mmHg y caen 24.5 mm de lluvia en una hora. Recién en la tarde del 24 aclara el cielo y el tiempo se mantiene bueno, fresco y seco hasta fín de mes. En esta aeromasa alcanza la humedad los valores más bajos del mes con 21% y 5.6 mmHg el día 25; por la mañana del 28, baja la temperatura hasta 8.0°C, mínimo mensual.

Los términos medios no acusan desviaciones mayores. Temperatura y heliofanía, marcan valores más altos que los normales, mientras los restantes elementos están por debajo de sus niveles normales respectivos.

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	60	62	7	39	51	74	147	118	130	91	52	58	64	87	83
2	83	69	69	83	76	104	145	145	166	69	69	62	-	-	-
3	34	48	41	48	55	55	69	76	97	76	124	117	104	76	69
4	131	117	110	138	226	179	265	259	226	186	124	166	213	69	- 14
5	48	41	48	62	83	117	172	138	104	138	152	152	124	117	145
6	144	125	113	95	83	99	173	122	122	125	91	83	74	64	62
7	142	125	120	115	91	115	163	130	125	144	130	154	152	139	130
8	53	70	66	66	70	81	135	197	111	109	99	51	- 28	- 28	28
9	28	41	41	28	28	41	41	69	14	- 21	28	55	41	76	62
10	104	145	124	179	97	110	138	193	172	76	28	48	69	69	76
11	97	83	69	48	48	55	83	41	62	83	69	76	76	69	62
12	90	76	83	69	48	62	124	90	83	97	41	55	34	34	69
13	90	97	90	97	90	83	83	172	83	104	97	21	48	76	76
14	76	69	83	69	62	76	83	83	69	76	62	55	- 14	- 28	7
15	55	48	41	28	48	76	90	76	55	41	41	41	41	48	55
16	48	48	48	41	55	48	41	41	48	62	-	-	-	-	62
17	62	55	62	69	69	83	110	90	69	69	76	41	62	69	55
18	48	62	55	41	69	83	138	110	138	152	124	97	97	97	83
19	83	83	34	34	41	41	104	104	104	97	97	104	90	76	55
20	69	41	34	41	34	62	83	166	152	104	62	34	48	48	-152
21	28	62	55	55	62	97	131	186	193	220	259	246	246	172	97
22	90	76	62	69	83	55	76	131	220	193	110	97	117	145	131
23	83	69	62	62	69	62	69	48	69	69	41	41	28	21	7
24	± ∞	± ∞	220	± ∞	± ∞	± ∞	55	69	-138	48	76	97	83	- 55	62
25	41	69	83	83	90	-	-	159	138	131	104	69	62	69	69
26	110	76	97	48	41	41	110	159	207	172	76	83	76	76	83
27	48	41	55	83	76	83	110	97	76	69	62	76	69	97	90
28	90	76	76	55	76	62	83	131	76	117	138	110	83	69	55
29															
30															
31															
Prom.	78.3	76.3	68.4	68.6	68.0	78.0	114.6	119.8	116.8	113.5	99.3	92.2	87.7	84.3	78.6

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	0.85	1.66	0.95	439	471	910	0.93	1.29	1.26
2	0.72	0.74	1.46	0.97	405	444	849	0.91	1.24	1.16
3	0.65	0.72	1.37	0.90	325	406	731	0.80	1.40	1.24
4	0.49	0.54	1.03	0.91	235	278	513	0.84	1.46	1.35
5	0.76	0.80	1.56	0.95	392	379	771	1.03	1.35	1.47
6	0.64	0.73	1.37	0.88	380	335	715	1.13	1.18	1.52
7	0.57	0.64	1.21	0.89	351	473	824	0.74	1.14	0.95
8	0.78	0.91	1.69	0.86	427	445	872	0.96	1.28	1.43
9	0.70	0.81	1.51	0.86	492	548	1040	0.90	1.00	1.03
10	0.54	0.57	1.11	0.95	255	231	486	1.10	1.48	1.72
11	0.76	0.83	1.59	0.92	463	520	983	0.89	1.15	1.11
12	0.46	0.55	1.01	0.84	296	347	643	0.85	1.08	1.11
13	0.54	0.62	1.16	0.87	358	393	751	0.91	1.05	1.10
14	0.71	0.80	1.51	0.89	498	567	1065	0.88	1.00	1.00
15	1.05	1.10	2.15	0.95	614	508	1122	1.20	1.19	1.51
16	1.13	1.16	2.29	0.97	540	490	1030	0.92	1.46	1.66
17	0.89	0.92	1.81	0.97	487	460	947	1.06	1.28	1.40
18	0.68	0.73	1.41	0.93	398	355	753	1.12	1.19	1.44
19	0.72	0.70	1.42	1.03	413	393	806	1.05	1.21	1.25
20	0.76	0.81	1.57	0.94	418	508	926	0.82	1.27	1.11
21	0.66	0.62	1.28	1.06	427	317	744	1.35	1.08	1.37
22	0.56	0.72	1.28	0.78	456	500	956	0.91	0.86	1.00
23	0.94	1.12	2.06	0.84	423	579	1002	0.73	1.55	1.35
24	0.69	0.86	1.55	0.80	497	646	1143	0.77	0.97	0.93
25	0.67	0.66	1.33	1.01	443	426	869	1.04	1.05	1.08
26	0.70	0.78	1.48	0.90	450	425	875	1.06	1.09	1.28
27	0.65	0.71	1.36	0.92	398	380	778	1.09	1.14	1.31
28	0.62	0.68	1.30	0.91	410	375	785	1.05	1.06	1.27
29										
30										
31										
Prom.	0.72	0.78	1.50	0.92	416	432	848	0.96	1.21	1.26

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
91	72	74	81	78	62	62	52	58	73.0	212	- 97	309	1
28	28	138	152	104	- 55	41	14	21		483	-231	714	2*
69	55	7	69	69	28	14	97	110	67.5	233	-104	337	1
- 21	34	97	182	131	97	124	124	138		357	-210	567	2
159	166	213	220	117	124	131	131	117	125.8	284	28	256	0
66	68	76	93	115	111	130	127	163	105.2	231	- 30	261	1
107	149	118	105	115	95	111	66	83	121.8	251	- 40	291	1
34	28	41	41	48	55	28	- 62	7		256	-195	451	2
48	55	48	55	62	97	145	117	104		166	- 69	235	2
90	124	131	124	193	152	97	83	110	113.8	291	- 41	332	1
55	69	69	76	104	97	104	97	104	74.8	145	14	131	0
41	14	- 28	83	117	83	83	97	76		166	- 97	263	2
97	90	97	138	138	110	97	104	104	95.1	220	- 41	261	1
41	41	62	55	69	69	62	62	62	56.3	131	-174	305	1
62	48	55	62	69	48	55	62	55	54.2	97	- 48	145	1
69	69	69	55	76	62	55	55	41		97	- 55	152	1*
55	55	48	41	41	41	34	34	41	59.6	152	- 28	180	1
55	28	55	97	110	104	104	90	90	88.6	200	- 41	241	1
83	69	90	104	110	104	83	83	69	80.9	207	- 14	221	1
- 83	- 48	90	69	-104	- 21	7	41	28		414	-502	916	2
83	117	186	104	83	83	69	166	166	131.9	322	- 14	336	1
145	90	104	110	131	97	131	97	69	109.5	345	- 28	373	1
14	34	62	- 21	- 28	28	14	14	-117		600	-648	1248	2
69	62	90	76	83	62	62	55	55		∞	- ∞	-	3*
69	55	97	117	138	131	138	110	138		310	7	303	0*
97	97	104	104	207	152	97	110	76	104.1	345	- 7	352	1
69	69	62	76	117	145	117	124	83	83.1	172	28	144	0
48	76	110	138	131	90	97	104	83	90.6	252	- 76	328	1
81.8	82.4	92.3	100.6	110.9	95.1	88.6	93.8	91.3	90.9				

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^-		
7643	8036	15679	0.95	4.06	11,750
7342	8076	15418	0.91	-	15,750
4838	5946	10784	0.81	3.08	15,000
7796	9765	17561	0.80	-	20,000
5832	6768	12600	0.86	6.55	17,250
5682	6692	12374	0.85	4.81	-
6357	7439	13796	0.86	4.92	-
3925	4261	8186	0.92	-	7,500
4858	5233	10091	0.93	-	14,250
10326	11144	21470	0.93	4.22	15,000
4634	5718	10352	0.81	3.97	11,750
9195	10773	19968	0.85	-	16,750
7779	8898	16677	0.88	3.68	-
3290	4057	7347	0.81	2.84	22,750
3004	3273	6277	0.92	3.89	14,750
1794	2243	4037	0.80	-	14,000
3794	4365	8159	0.87	3.60	12,250
5084	6014	11098	0.84	4.16	12,750
4672	5538	10210	0.84	3.83	9,500
3627	4710	8337	0.77	-	21,750
3999	4709	8708	0.85	5.63	16,000
4074	5533	10607	0.74	4.67	8,000
1910	2728	4638	0.70	-	6,500
3513	2878	6391	1.22	-	14,500
4151	5339	9490	0.78	-	10,250
5717	6045	11762	0.95	5.13	9,250
3252	3926	7178	0.83	3.77	44,250
4787	5458	10245	0.88	3.93	-
5141	5960	11101	0.86	4.26	15,062

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	0.93	0.84	0.93	1.25	1.16	0.97	0.83	0.85	0.86	0.59	0.90
2	0.70	1.07	0.71	0.78	0.95	0.84	0.87	0.74	0.85	0.83	0.72	0.65
3	0.71	0.80	0.58	0.93	1.06	1.10	0.99	0.66	0.50	0.54	0.50	0.49
4	0.41	0.46	0.53	0.57	0.86	0.66	0.90	0.30	0.37	0.38	0.40	0.47
5	0.90	0.99	1.12	0.74	-	-	1.36	1.14	0.69	0.52	0.52	0.66
6	-	-	-	-	-	-	-	0.73	0.74	0.55	0.84	0.72
7	-	-	-	-	-	-	-	-	-	-	0.87	0.66
8	-	-	-	-	-	-	-	-	0.61	0.72	0.70	0.87
9	1.02	1.19	1.17	1.26	1.22	1.08	1.07	0.92	0.60	0.53	0.47	0.44
10	0.30	0.40	0.46	0.97	1.63	1.66	0.57	0.50	0.50	0.46	0.48	0.45
11	0.40	0.45	0.52	1.10	1.11	1.00	1.09	0.56	1.04	0.95	0.95	0.98
12	0.34	-	0.39	0.42	-	-	0.30	0.46	0.79	0.72	0.44	0.50
13	0.48	0.52	0.36	0.36	0.32	0.42	0.37	0.37	0.54	0.72	0.70	0.68
14	0.50	0.82	0.37	0.46	1.03	1.02	0.80	0.69	0.52	0.76	0.66	0.83
15	-	1.18	0.98	0.72	1.34	1.24	1.18	1.02	0.88	1.02	0.50	0.56
16	1.53	1.37	1.27	1.42	1.53	1.52	1.55	1.53	1.25	0.93	1.02	0.86
17	1.23	1.24	1.22	1.21	1.20	0.62	0.37	0.85	0.92	0.78	0.80	0.85
18	0.95	0.88	1.10	1.04	0.48	0.38	0.77	0.96	0.68	0.64	0.56	0.69
19	0.26	-	0.82	-	1.18	1.32	1.20	0.98	0.80	0.85	0.82	0.76
20	0.68	0.65	0.92	1.06	0.93	1.12	0.68	0.50	0.38	0.57	0.57	0.61
21	0.66	1.09	0.85	0.73	0.52	0.67	0.68	0.86	0.82	0.72	0.58	0.58
22	0.38	0.67	0.51	-	-	-	-	-	0.70	-	-	-
23	-	-	-	-	-	-	-	-	-	0.95	0.88	0.90
24	0.60	0.48	0.42	0.34	0.64	0.46	0.52	0.62	0.26	0.98	1.17	0.92
25	0.90	0.96	0.50	0.50	0.52	0.71	0.60	0.53	0.42	0.80	0.74	0.81
26	0.69	0.60	0.40	0.60	-	-	-	-	0.46	0.69	0.84	0.81
27	0.90	0.98	0.94	0.84	0.68	0.80	0.52	0.57	0.72	0.59	0.55	0.60
28	-	-	-	-	-	-	-	-	0.63	0.62	0.66	0.62
29												
30												
31												
Promedio	0.69	0.84	0.74	0.81	0.97	0.94	0.83	0.74	0.67	0.72	0.69	0.70

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

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	0.51	0.87	0.82	0.80	1.16	1.03	0.82	0.82	0.90	0.82	0.85	1.09
2	0.79	1.04	0.98	0.98	0.88	0.72	0.74	0.83	0.76	0.66	0.66	0.78
3	0.81	0.88	0.66	1.10	1.24	1.24	1.04	0.70	0.30	0.58	0.62	0.62
4	0.40	0.49	0.86	0.42	0.68	0.73	0.74	0.42	0.42	0.46	0.51	0.58
5	0.94	0.97	1.08	1.00	-	-	1.55	0.92	0.95	0.53	0.56	0.62
6	-	-	-	-	-	-	-	0.68	0.74	0.80	0.96	0.88
7	-	-	-	-	-	-	-	-	-	-	0.80	0.64
8	-	-	-	-	-	-	-	-	0.66	0.72	1.18	0.98
9	1.22	1.30	1.30	1.41	1.37	1.22	1.14	1.04	0.74	0.64	0.55	0.62
10	0.44	0.46	0.45	0.96	1.07	1.32	0.58	0.77	0.62	0.55	0.55	0.51
11	0.46	0.40	0.52	1.16	1.08	0.90	0.92	0.97	1.15	1.05	1.10	1.17
12	0.39	-	0.49	0.38	-	-	0.30	0.62	0.78	0.64	0.53	0.72
13	0.55	0.56	0.37	0.39	0.34	0.46	0.37	0.50	0.64	0.80	0.74	0.82
14	0.60	0.84	0.43	0.38	1.12	1.04	0.66	0.69	0.70	0.84	0.76	1.02
15	-	1.21	0.98	1.00	1.65	1.43	1.04	0.78	0.67	0.82	0.55	0.58
16	1.51	1.48	1.53	1.46	1.61	1.70	1.58	1.56	1.26	0.96	1.00	0.92
17	1.28	1.25	1.14	1.15	0.98	0.49	0.40	0.86	0.85	0.87	0.89	0.90
18	1.00	1.02	1.02	0.98	0.48	0.44	0.69	0.95	0.73	0.66	0.64	0.78
19	0.31	-	0.68	-	0.69	0.96	0.82	1.00	0.96	0.89	0.96	0.78
20	0.73	0.70	1.05	1.08	1.00	1.08	0.54	0.60	0.44	0.66	0.72	0.74
21	0.80	1.00	0.77	0.72	0.49	0.54	0.48	0.62	0.59	0.73	0.56	0.48
22	0.35	0.71	0.54	-	-	-	-	1.15	0.83	-	-	-
23	-	-	-	-	-	-	-	-	-	1.09	1.02	1.05
24	1.11	1.08	0.33	0.52	1.02	1.03	0.51	0.40	0.86	0.91	0.82	1.15
25	0.79	0.74	0.48	0.50	0.49	0.58	0.56	0.54	0.60	0.96	0.75	0.94
26	0.60	0.58	0.56	0.74	-	-	-	-	0.51	0.84	0.89	0.93
27	1.00	1.07	1.04	0.78	0.74	0.81	0.57	0.68	0.80	0.66	0.64	0.79
28	-	-	-	-	-	-	-	-	0.82	0.73	0.72	0.64
29												
30												
31												
Promedio	0.75	0.89	0.79	0.85	0.95	0.93	0.76	0.79	0.71	0.76	0.76	0.80

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
0.91	0.79	0.73	0.79	0.77	0.79	0.84	0.58	0.59	0.62	0.78	0.58	0.81
0.73	0.87	0.70	0.80	0.65	0.50	0.64	0.54	0.50	0.49	0.57	0.65	0.72
0.53	0.60	0.52	0.60	0.52	0.62	0.37	0.50	0.46	-	-	-	0.65
0.46	0.58	0.39	0.42	0.47	0.49	0.54	0.50	0.46	0.35	0.50	0.40	0.49
0.58	0.74	0.70	0.76	0.76	0.63	0.34	0.44	-	-	-	-	0.76
0.72	0.80	0.73	0.72	0.78	0.68	0.69	0.32	0.34	0.66	0.55	0.37	0.64
0.41	0.52	0.54	0.46	0.50	0.59	-	-	-	-	-	-	0.57
0.80	0.95	1.00	0.51	0.71	0.69	0.76	0.78	0.78	0.85	0.80	0.96	0.78
0.49	0.52	0.55	0.59	0.50	0.60	0.50	0.40	0.47	0.49	0.34	0.50	0.70
0.37	0.42	0.38	0.35	0.34	0.38	0.38	0.29	0.26	0.58	0.40	0.44	0.54
0.97	0.83	0.78	0.76	0.72	0.82	0.57	0.68	0.48	0.63	0.41	0.34	0.76
0.41	0.52	0.42	0.40	0.32	0.63	0.60	0.46	0.40	0.43	0.35	0.35	0.46
0.64	0.74	0.74	0.66	0.40	0.53	0.38	0.58	0.46	0.63	0.57	0.72	0.54
0.58	0.90	1.01	0.69	0.82	-	-	-	-	-	-	0.40	0.71
0.73	0.90	0.85	0.86	0.96	1.14	0.95	0.98	0.93	1.64	1.76	1.74	1.05
0.88	0.80	0.68	1.13	0.92	0.97	1.10	1.00	0.60	1.02	1.07	1.07	1.13
0.80	0.85	0.60	0.69	0.78	0.83	0.89	0.85	0.97	0.83	0.81	1.06	0.89
0.74	0.74	0.74	0.78	0.46	0.50	0.57	0.53	0.52	0.52	0.36	0.62	0.68
0.68	0.62	0.40	0.61	0.66	0.68	0.58	0.69	0.47	0.32	0.53	0.59	0.72
0.68	0.86	1.00	0.80	0.72	0.84	0.53	0.01	0.82	0.86	1.16	0.69	0.76
0.37	0.47	0.64	0.80	0.66	0.52	0.86	0.45	0.36	0.50	0.76	0.63	0.66
-	-	-	-	-	-	-	-	-	-	-	-	0.56
0.84	0.72	0.80	0.84	1.04	0.88	0.58	0.83	1.38	1.24	1.08	1.08	0.94
0.94	0.63	0.92	0.83	0.75	0.66	0.80	0.76	0.30	0.63	0.94	0.89	0.69
0.76	0.71	0.86	0.82	0.87	0.73	0.70	0.62	0.27	0.44	0.56	0.74	0.67
0.72	0.82	0.91	0.87	0.77	0.82	0.88	0.44	0.31	0.68	0.61	0.98	0.70
0.56	0.82	0.62	0.69	0.63	0.58	0.48	0.60	0.60	0.55	0.58	0.12	0.65
0.46	0.58	0.68	0.79	0.60	0.59	0.62	0.64	0.51	0.58	0.52	0.88	0.62
0.66	0.71	0.71	0.70	0.67	0.68	0.65	0.60	0.55	0.68	0.70	0.67	0.72

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	0.93	0.78	0.82	0.77	0.86	0.89	0.84	0.87	0.66	0.71	0.76	0.85
0.89	0.93	0.82	0.82	0.44	0.53	0.66	0.62	0.49	0.54	0.58	0.72	0.74
0,64	0,72	0.62	0.60	0.65	0.68	0.46	0.56	0.51	-	-	0.60	0.72
0.56	0.60	0.52	0.60	0.53	0.59	0.62	0,48	0.51	0.40	0.48	0.42	0.54
0.64	0.83	0.74	0.76	0.76	0.64	0.42	0.54	-	-	-	-	0.80
0.86	0.91	0.84	0.86	0.86	0.74	0.66	0.42	0.50	0.66	0.62	0.42	0.73
0.55	0.64	0.62	0.60	0.62	0.69	-	-	-	-	-	-	0.64
0.98	1.09	0.96	0.78	0.82	0.71	0.84	0.84	0.84	0.94	1.12	1.15	0,91
0.59	0.60	0.62	0.69	0.65	0.72	0.62	0.51	0.53	0.48	0.36	0.51	0.81
0.44	0.48	0.44	0.46	0.42	0.42	0.42	0.33	0.42	0.58	0.46	0.51	0.57
1.04	0.97	0.80	0.88	0.82	0.86	0.71	0.74	0.60	0.70	0.42	0.36	0.83
0.55	0.62	0.50	0.48	0.46	0.78	0.66	0.53	0.46	0.53	0.46	0.60	0,55
0.98	0.82	0.80	0.69	0.51	0.66	0.46	0.60	0.60	0.70	0.64	0.78	0.62
0.98	1.08	1.16	0.56	0.90	-	-	-	-	-	-	0.62	0.80
0.87	1.05	1.00	0.88	1.12	1.36	0.96	1.14	0.98	1.71	1.72	1.81	1.10
0,90	0,89	0,88	1.02	1,02	0,90	1,02	1.00	0.64	0,95	1,03	1,11	1,16
0,84	0,80	0.69	0.76	0.92	0.92	0,90	1.07	1.07	1,00	0.94	1.08	0,92
0,80	0,82	0,76	0,76	0.60	0,66	0.69	0.62	0.57	0.50	0,42	0.82	0.73
0.64	0,72	0.53	0.64	0.66	0,66	0,67	0,74	0.48	0,40	0,82	0.74	0.70
0.86	0.96	1.07	1.11	1.00	0.84	0.56	0.16	0.95	0.58	1.26	0.80	0.81
0.36	0.60	0.72	0.80	0.66	0.54	0.88	0.43	0.38	0.60	0.55	0.52	0.62
-	-	-	-	-	-	-	-	-	-	-	-	0.72
0,98	0,90	1.00	1,12	1.07	0,94	0,76	1,13	1.38	1.36	1.41	1.64	1.12
0.94	1.25	1.00	0,90	0,89	0,66	0,82	0,93	0,58	0,95	1.07	0.90	0,86
0.84	0.74	0.82	0.76	0.94	0.70	0.65	0.68	0.30	0.42	0.66	0.48	0.66
0,90	0,98	1,02	0,88	0,88	0,90	0.76	0.56	0.51	0.78	0,78	0.96	0.78
0.82	0.86	0,67	0,76	0.72	0,67	0.53	0,62	0.62	0.53	0,34	0.40	0.71
0.54	0.62	0.72	0.80	0.54	0.60	0.76	0.62	0.44	0.58	0.71	1.12	0.68
0.78	0.83	0.78	0.77	0.75	0.74	0.70	0.67	0.63	0.72	0.75	0.79	0.78

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

día \ horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	260	434	347	347	434	521	707	521	521	707	521	608
2	434	347	434	521	521	521	434	434	521	521	434	521
3	347	260	260	260	434	347	521	608	434	347	347	260
4	260	174	174	174	174	174	260	174	260	260	174	174
5	608	608	608	608	474	347	347	434	434	347	347	434
6	347	260	347	434	434	347	434	347	434	434	434	347
7	260	347	434	347	521	347	521	707	608	347	347	347
8	260	434	347	347	521	347	434	347	434	434	521	521
9	521	521	868	608	608	608	608	782	527	434	434	521
10	260	260	347	347	260	347	260	347	260	174	478	260
11	260	304	347	434	391	434	521	782	868	868	608	528
12	86	347	347	347	347	260	347	347	521	260	260	347
13	260	260	260	260	260	260	260	260	434	521	521	434
14	260	434	347	434	608	608	521	521	521	521	521	608
15	521	608	521	521	782	707	608	871	707	707	347	347
16	608	608	608	608	782	782	782	707	955	521	608	347
17	608	608	608	608	434	347	312	608	707	782	608	521
18	521	521	521	434	347	347	347	521	608	521	434	434
19	347	260	608	260	260	434	608	521	782	707	608	521
20	434	260	434	434	347	434	260	347	260	434	521	434
21	347	521	434	434	434	521	521	521	521	608	347	260
22	521	521	521	521	434	347	260	521	-	-	-	-
23	-	-	-	-	-	-	-	-	434	434	434	434
24	527	434	434	434	521	347	521	434	260	608	868	707
25	434	434	260	260	260	260	347	260	608	782	782	782
26	347	260	347	347	434	434	434	608	434	521	707	707
27	434	434	434	347	347	347	347	260	434	521	434	434
28	347	347	347	260	347	260	521	434	608	608	521	434
29												
30												
31												
Promedio	386	400	428	405	434	409	446	490	522	516	488	454

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

día \ horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	226	312	226	226	226	376	376	676	1120	1052	905	828
2	451	602	602	526	602	451	451	602	338	451	676	905
3	226	226	226	451	526	602	526	752	526	526	451	376
4	150	150	150	150	150	150	150	150	376	376	312	312
5	564	602	602	602	376	226	226	564	602	451	376	376
6	150	150	150	312	226	226	226	312	312	312	376	376
7	226	226	312	312	312	226	338	752	676	451	451	376
8	226	376	376	376	376	150	150	150	376	676	602	602
9	526	526	602	676	828	526	826	1250	789	752	676	602
10	150	150	150	150	226	226	226	150	226	312	376	376
11	150	150	75	451	526	376	451	1120	1188	1120	905	905
12	226	226	226	226	312	226	226	376	785	526	376	376
13	226	226	150	150	150	150	226	150	451	602	602	752
14	226	312	226	451	526	526	526	602	752	752	602	752
15	676	677	419	609	564	526	263	150	150	526	376	409
16	526	526	526	526	676	752	676	602	1052	676	602	602
17	451	526	451	451	312	286	150	526	828	976	752	676
18	451	451	376	376	226	150	226	451	828	526	526	451
19	226	226	226	150	226	312	226	526	905	905	752	602
20	376	312	526	451	451	526	312	376	312	676	676	676
21	526	376	376	312	312	312	150	226	312	602	376	226
22	376	451	602	451	312	312	312	602	905	1052	1052	828
23	451	526	676	602	602	526	526	602	602	602	602	602
24	1320	827	451	1250	1174	828	608	451	752	752	602	676
25	226	150	150	150	150	150	226	226	678	1120	1052	976
26	226	26	226	226	312	226	226	414	-	828	-	-
27	376	51	376	226	226	226	226	312	451	602	602	526
28	226	226	226	226	312	226	226	339	905	752	526	451
29												
30												
31												
Promedio	363	364	346	395	401	348	331	479	637	677	599	578

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
521	347	434	434	434	347	347	260	260	434	347	434	439
608	434	260	260	434	260	347	347	347	260	260	260	405
347	347	347	434	434	260	347	260	174	86	174	174	325
174	174	260	260	260	347	347	347	260	260	260	260	235
434	434	434	434	434	347	260	174	260	174	174	260	392
434	434	521	434	521	347	347	347	347	260	260	260	380
347	347	86	260	260	434	347	260	174	260	260	260	351
434	347	521	521	434	434	434	347	608	434	347	434	427
434	434	434	521	434	521	347	347	347	347	260	347	492
174	174	260	174	174	260	434	260	174	174	174	86	255
608	608	434	608	434	521	260	174	347	347	260	174	463
260	260	260	260	347	347	260	260	260	260	260	260	296
521	521	608	434	260	347	347	260	260	347	347	347	358
434	484	608	608	707	608	434	434	347	347	521	521	498
521	608	521	521	608	707	521	521	608	782	782	782	614
434	434	347	434	434	434	347	434	347	434	521	434	540
521	521	434	347	434	434	260	347	347	347	434	521	487
434	434	347	347	260	260	260	260	260	260	347	521	398
434	434	260	347	347	347	347	260	260	260	260	434	413
521	347	434	434	434	434	347	391	521	521	707	347	418
260	347	434	608	434	434	347	347	260	347	434	521	427
–	–	–	–	–	–	–	–	–	–	–	–	456
347	347	260	434	434	434	260	347	521	608	608	434	423
707	521	608	521	434	434	434	347	434	521	434	434	497
707	707	707	608	521	347	347	260	174	260	260	260	443
608	608	608	521	347	521	347	260	260	260	434	434	450
434	521	521	521	521	434	347	260	260	260	347	347	398
434	434	521	521	434	434	434	260	260	260	391	434	410
448	430	425	437	415	409	350	310	321	337	365	366	416

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
752	451	451	451	451	526	376	226	226	312	226	312	471
905	676	451	376	226	226	226	312	150	150	150	150	444
376	451	526	526	526	312	376	312	226	312	150	226	406
312	376	312	526	526	526	376	312	226	150	226	226	278
376	451	376	376	451	376	226	226	226	150	150	150	379
526	526	676	526	676	526	312	312	226	226	226	150	335
376	451	376	312	312	526	451	376	312	226	150	150	473
752	676	602	526	602	451	376	226	312	526	676	526	445
526	451	451	602	526	451	451	376	226	150	226	150	548
376	312	312	312	312	226	226	150	150	75	226	150	231
828	752	526	526	451	376	376	312	312	312	150	150	520
376	312	312	312	526	526	376	312	226	312	312	312	347
752	676	676	602	526	451	376	226	312	312	312	376	393
827	1148	905	676	752	526	451	312	312	312	526	602	567
526	602	526	602	752	752	451	312	376	532	676	752	508
451	451	451	451	451	312	312	226	75	226	312	312	490
602	602	451	376	376	376	226	312	312	312	312	451	460
451	376	376	376	312	312	226	226	226	226	226	150	355
602	451	376	451	376	376	312	226	226	226	226	312	393
602	526	676	489	676	376	312	226	828	752	676	376	508
226	226	376	451	312	312	226	226	226	312	312	301	317
676	676	602	526	526	376	226	226	226	226	226	231	500
451	376	451	451	451	376	526	644	376	526	970	1390	579
828	752	752	602	451	376	312	376	376	376	376	226	646
828	828	676	602	451	376	226	150	150	226	226	226	426
974	752	754	602	526	451	312	226	226	–	312	451	425
526	676	602	676	526	451	226	226	150	150	150	150	380
376	451	526	526	451	451	269	150	226	226	263	451	375
578	552	520	494	482	418	326	276	266	290	320	336	432

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	13430	13430	14350	6295	3585	8060	7180	8060	-	-	2690
2	20700	898	4490	5380	8950	-	-	7180	-	15250	1795	1795
3	-	-	-	8950	898	3585	898	9860	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-
5	2690	1795	898	898	2690	3585	6295	4490	5380	6295	7180	7180
6	10770	9860	5380	2690	2690	7180	8060	4490	4490	3585	1795	4490
7	6295	5380	3585	8060	2690	3585	4490	2690	4490	7180	5380	6295
8	7180	3585	1795	2690	1795	5380	7180	8950	4490	6295	5380	2690
9	1795	898	898	1795	898	898	2690	1795	4490	5380	8060	8060
10	6295	6295	4490	5380	6295	6295	8060	10770	8950	11690	11690	11690
11	13430	13430	7180	2690	2690	2690	3585	1795	1795	1795	1795	1795
12	9860	9860	9860	10770	10770	12590	12590	13430	3585	7180	9860	10770
13	4490	3585	12590	12590	12590	11690	14350	17950	6295	5380	3585	3585
14	4490	3585	3585	3585	1795	898	3585	4490	6295	4490	5380	4490
15	1795	898	2690	2690	1795	1795	2690	2690	3585	898	8060	7180
16	-	-	-	-	-	-	-	-	898	2690	-	-
17	-	-	898	898	1795	3585	18870	2690	1795	1795	3585	2690
18	2690	2690	1795	2690	2690	3585	3585	1795	3585	3585	5380	4490
19	5380	6295	6295	4490	3585	5380	3585	1795	1795	1795	2690	2690
20	4490	8060	1795	1795	1795	898	4490	5380	8060	4490	2690	3585
21	2690	2690	1795	1795	1795	898	2690	1795	2690	2690	5380	7180
22	2690	2690	1795	1795	2690	3585	8060	3585	2690	3585	1795	1795
23	3585	4490	2690	1795	1795	2690	1795	1795	1887	2690	1795	2690
24	1795	8060	6295	5380	13430	3585	8060	1795	6295	1795	1795	1795
25	1795	3585	5380	7180	5380	3585	3585	7180	3585	1795	2690	1795
26	6295	7180	5380	5380	5380	5380	8950	6295	5380	9860	1795	8060
27	2690	1795	1795	1795	1795	1795	3585	4490	2690	3585	2690	2690
28	4490	3585	4490	4490	11690	5380	6295	8060	2690	2690	4490	5380
29												
30												
31												
Promedio	5461	5192	4451	4692	4487	4164	6243	5554	4238	4739	4447	4702

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

Días / Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	8950	7180	7180	8060	8950	8060	8060	7180	7180	7180	6295	6295
2	7180	5380	6295	7180	7180	8950	8950	8060	8060	11690	12590	-
3	7180	5380	4490	4490	5380	4490	6295	9860	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-
5	2690	2690	5380	2690	3585	4490	7180	3585	5380	8060	8060	6295
6	13430	8060	5380	2690	4490	8060	6295	4490	5380	3585	4490	5380
7	7180	5380	5380	3585	2690	4490	3585	3585	5380	7180	7180	8060
8	6295	2690	2690	1795	2690	5380	9860	7180	4490	8060	4490	3585
9	1795	1795	1795	1795	898	1795	2690	2690	5380	7180	9860	7180
10	8060	8060	6295	6295	7180	6295	9860	10770	11690	11690	12590	11690
11	15250	15250	7180	4490	4490	4490	3585	2690	1795	1795	1795	1795
12	11690	11690	11690	12590	12590	14350	17950	7180	6295	9860	12590	10770
13	5380	9860	12590	12590	13430	13430	18870	15250	7180	4490	5380	5380
14	5380	4490	5380	2690	1795	3585	-	4490	8060	7180	6295	2690
15	2690	2690	4490	5380	1795	2690	2690	2690	2690	2690	8060	4490
16	-	-	-	-	-	-	-	-	1795	2690	-	-
17	-	-	1795	1795	2690	9860	6295	2690	2690	4490	3585	3585
18	3585	3585	2690	3585	4490	5380	3585	2690	4490	5380	5380	5380
19	7180	7180	8060	4490	5380	6295	2690	-	3585	1795	2690	3585
20	6295	4490	2690	2690	2690	2690	5380	7180	8950	3585	4490	5380
21	2690	2690	1795	2690	1795	1795	1795	3585	2690	4490	6295	8060
22	3585	2690	1795	4490	4490	8060	7180	2690	5380	2690	4490	7180
23	4490	2690	2690	2690	2690	2690	3585	2690	2690	2690	2690	2690
24	1795	1795	6295	7180	2690	898	3585	1795	1795	1795	1795	1795
25	3585	3585	8060	6295	5380	5380	9860	-	3585	2690	2690	2690
26	8060	8060	8060	7180	8060	8060	9860	-	6295	5380	2690	1795
27	1795	1795	1795	2690	2690	2690	6295	2690	2690	4490	4490	4490
28	4490	4490	6295	8060	7180	7180	8050	5380	3585	3585	5380	5380
29												
30												
31												
Promedio	6028	5346	5317	5005	4899	5828	6694	5265	4968	5246	5854	5234

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	10770	-	-	6295	3585	7180	-	9860	8060	8950	8060	7643
-	6295	6295	-	15250	-	-	12590	898	7180	5380	4490	7342
-	-	-	-	-	-	-	-	-	-	-	-	4838
-	-	5380	9860	8060	8060	8060	8060	7180	7180	8060	8060	7796
5380	3585	5380	4490	3585	6295	8060	11690	10770	13430	9860	8060	5832
2690	2690	3585	3585	2690	6295	8060	9860	10770	7180	6295	7180	5682
8060	5380	9860	10770	11690	9860	6295	7180	4490	5380	6295	7180	6357
1795	1795	1795	7180	1795	4490	2690	3585	5380	3585	1795	898	3925
6295	5380	5380	4490	4490	4490	6295	8060	8060	7180	13430	5380	4858
9860	10770	11690	13430	11690	9860	11690	17050	15250	11690	12590	14350	10326
898	2690	1795	1795	2690	2690	6295	8060	7180	6295	6295	9860	4634
8950	9860	12590	11690	8950	7180	8950	8950	7180	6295	5380	3585	9195
3585	4490	2690	5380	8060	7180	8060	10770	8950	8060	6295	4490	7779
2690	1795	1795	1795	1795	1795	3585	3585	5380	3585	2690	1795	3290
3585	2690	2690	3585	2690	1795	4490	1795	-	-	-	-	3004
-	-	-	-	-	-	-	-	-	-	-	-	1794
2690	1795	4490	4490	3585	2690	2690	5380	4490	4490	4490	3585	3794
4490	4490	4490	4490	12590	8950	7180	8060	7180	7180	7180	7180	5084
3585	4490	8060	4490	3585	2690	2690	7180	9860	8060	6295	5380	4672
1795	1795	1795	2690	1795	2690	6295	12590	898	2690	898	3585	3627
9860	8060	5380	3585	2690	4490	3585	6295	6295	5380	2690	3585	3999
4490	4490	4490	4490	2690	1795	4490	6295	9860	7180	5380	5380	4074
2690	898	1795	898	898	1795	2690	898	898	898	898	898	1910
1795	1795	1795	1795	1795	1795	1795	2690	2690	1795	1795	2690	3513
2690	2690	1795	2690	1795	4490	4490	4490	7180	7180	6295	6295	4151
898	1795	1795	8060	1795	2690	5380	13430	7180	9860	6295	2690	5717
3585	2690	2690	2690	2690	2690	2690	4490	7180	6295	4490	4490	3252
3585	2690	2690	2690	4490	4490	4490	7180	4490	5380	6295	2690	4787
4110	4235	4488	5046	5005	4593	5527	7608	6782	6460	5853	5273	5141

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
6295	7180	6295	7180	6295	8950	8060	11690	10770	9860	10770	8950	8036
7180	7180	9860	9860	8950	11690	6295	7180	8060	5380	6295	6295	8076
-	-	-	-	-	-	-	-	-	-	-	-	5946
-	-	17950	8950	8060	8950	8950	8950	8060	8950	10770	8060	9765
4490	5380	7180	5380	4490	8950	11690	11690	11690	12590	10770	8060	6768
4490	4490	3585	3585	4490	9860	11690	12590	10770	7180	6295	9860	6692
10770	8060	18870	11690	11690	8060	8060	8060	6295	6295	8950	8060	7439
2690	2690	4490	3585	2690	2690	3585	5380	6295	4490	1795	2690	4261
6295	6295	5380	6295	5380	5380	8060	8950	7180	8060	7180	6295	5233
11690	11690	13430	12590	11690	10770	13430	13430	14350	13430	14350	16130	11144
2690	2690	1795	2690	2690	3585	8060	8950	8060	9860	9860	11690	5718
9860	11690	17950	13430	11690	9860	8950	9860	8060	6295	6295	5380	10773
4490	4490	4490	7180	8950	8950	12590	10770	8950	6295	7180	5380	8898
3585	1795	1795	2690	2690	2690	4490	5380	6295	4490	2690	2690	4057
3585	2690	3585	3585	2690	1795	2690	1795	-	-	-	-	3273
-	-	-	-	-	-	-	-	-	-	-	-	2243
3585	4490	5380	4490	3585	4490	6295	4490	5380	6295	4490	3585	4365
5380	4490	4490	8950	10770	8950	9860	8060	8060	8060	9860	7180	6014
4490	5380	6295	4490	3585	3585	5380	9860	8950	8950	7180	6295	5538
2690	3585	4490	3585	2690	4490	8950	11690	3585	2690	3585	4490	4710
8060	8060	6295	6295	4490	4490	7180	8060	8060	5380	3585	2690	4709
6295	5380	5380	5380	2690	3585	10770	10770	9860	7180	6295	4490	5533
2690	3585	2690	2690	2690	3585	3585	1795	1795	898	2690	1795	2728
1795	1795	2690	2690	3585	3585	3585	2690	3585	3585	3585	2690	2878
3585	2690	3585	2690	2690	5380	6295	8060	8950	8060	8060	8950	5339
1795	1795	2690	1795	2690	2690	12590	10770	9860	11690	4490	2690	6045
3585	3585	3585	2690	2690	2690	4490	7180	8060	6295	4490	6295	3926
4490	4490	2690	2690	6295	6295	4490	8060	6295	9860	3585	2690	5458
5062	5026	6677	5659	5419	6000	7695	8314	7891	7285	6604	6135	5960

COMPONENTE NORTE en MV/Km.

Días \ Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	6.9	8.6	10.3	6.9	10.3	6.9	8.6	10.3	12.0	15.4	6.9	10.3	6.9
2	10.3	13.8	12.0	8.6	10.3	6.9	5.2	4.3	12.0	17.2	10.3	10.3	13.8
3	6.9	10.3	12.0	8.6	10.3	15.4	3.4	1.7	8.6	8.6	8.6	6.9	6.9
4	10.3	6.9	8.6	5.2	12.0	10.3	5.2	3.4	8.6	12.0	13.8	13.8	12.0
5	8.6	6.9	3.4	5.2	8.6	1.7	- 2.7	- 1.4	1.7	10.3	6.9	12.0	12.0
6	6.9	5.2	5.2	5.2	6.9	8.6	5.2	3.4	6.9	8.6	8.6	12.0	12.0
7	6.9	6.9	5.2	3.4	5.2	3.4	1.7	1.7	3.4	-	-	-	-
8	8.6	10.3	5.2	5.2	6.9	3.4	3.4	1.7	6.9	10.3	6.9	5.2	5.2
9	3.4	3.4	3.4	3.4	5.2	6.9	5.2	1.7	1.7	6.9	3.4	6.9	12.0
10	5.2	1.7	1.7	6.9	8.6	5.2	1.7	1.7	3.4	3.4	3.4	6.9	3.4
11	1.7	1.7	1.7	3.4	3.4	- 1.4	1.7	3.4	1.7	5.2	5.2	10.3	10.3
12	5.2	3.4	3.4	5.2	3.4	3.4	- 2.7	- 2.7	1.7	5.2	8.6	12.0	6.9
13	3.4	1.7	- 1.4	1.7	3.4	1.7	3.4	3.4	3.4	5.2	1.7	-	-
14	3.4	3.4	1.7	- 1.4	- 1.4	1.7	- 2.7	- 1.4	3.4	8.6	8.6	6.9	1.7
15	6.9	10.3	8.6	15.4	15.4	15.4	10.3	5.2	6.9	6.9	6.9	3.4	5.2
16	10.3	12.0	5.2	3.4	6.9	- 1.4	- 2.7	- 5.4	- 2.7	6.9	6.9	1.7	6.9
17	3.4	3.4	3.4	1.7	3.4	- 1.4	- 4.1	- 5.4	- 2.7	1.7	3.4	1.7	5.2
18	6.9	1.7	3.4	- 1.4	3.4	- 1.4	- 1.4	- 1.4	5.2	8.6	5.2	6.9	- 2.7
19	1.7	3.4	- 2.7	- 1.4	-	-	-	- 6.8	1.7	3.4	3.4	5.2	5.2
20	- 1.4	1.7	1.7	1.7	3.4	3.4	- 2.7	- 1.4	3.4	3.4	5.2	6.9	3.4
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	- 5.4	- 1.4	1.7	3.4	6.9	1.7
23	1.7	5.2	- 1.4	1.7	6.9	1.7	- 2.7	- 6.8	5.2	8.6	1.7	- 5.4	- 2.7
24	3.4	6.9	5.2	5.2	10.3	3.4	-10.8	- 9.5	- 2.7	- 2.7	- 2.7	3.4	3.4
25	- 2.7	- 4.1	- 2.7	- 2.7	-	-	- 2.7	- 8.1	- 4.1	1.7	1.7	5.4	- 2.7
26	- 2.7	1.7	- 2.7	- 1.4	3.4	- 4.1	- 9.5	- 6.8	- 9.5	5.2	6.9	3.4	- 9.5
27	- 2.7	- 1.4	- 1.4	1.7	1.7	3.4	- 2.7	- 5.4	- 2.7	3.4	6.9	- 4.1	1.7
28	3.4	- 1.4	- 1.4	1.7	1.7	1.7	- 2.7	- 1.4	3.4	5.2	1.7	3.4	- 1.4
29													
30													
31													
Prom	4.5	4.8	3.4	3.6	6.2	4.0	0.2	- 1.0	2.8	6.6	5.5	6.1	4.7
Var.	1.5	1.8	0.4	0.6	3.2	1.0	- 2.8	- 4.0	- 0.2	3.6	2.5	3.1	1.4

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	-16.0	-14.6	-13.3	-18.6	-22.6	-18.6	-18.6	-17.3	-18.6	-20.0	-16.0	-17.3	-17.3
2	-14.6	-13.3	-14.6	-18.6	-18.6	-18.6	-20.0	-17.3	-17.3	-16.0	-16.0	-17.3	-17.3
3	-13.3	-13.3	-11.0	-16.0	-16.0	-17.3	-20.0	-16.0	-18.6	-16.0	-17.3	-16.0	-16.0
4	-13.3	-11.0	-11.0	-14.6	-17.3	-18.6	-17.3	-17.3	-14.6	-16.0	-16.0	-14.6	-17.3
5	-16.0	-13.3	-13.3	-18.6	-18.6	-18.6	-20.0	-17.3	-17.3	-16.0	-16.0	-16.0	-17.3
6	-13.3	-10.6	-10.6	-16.0	-20.0	-14.6	-13.3	-11.0	-14.6	-17.3	-14.6	-13.3	-16.0
7	- 9.3	- 6.7	- 9.3	-10.6	-16.0	-14.6	-13.3	-13.3	-14.6	-	-	-	-
8	-10.6	- 9.3	- 9.3	-13.3	-14.6	-17.3	-17.3	-14.6	-14.6	-13.3	-13.3	-13.3	-13.3
9	-10.6	-10.6	-10.6	-13.3	-16.0	-16.0	-14.6	-16.0	-16.0	-14.6	-16.0	-17.3	-16.0
10	-11.0	-14.6	-11.0	-16.0	-14.6	-16.0	-13.3	-13.3	-14.6	-16.0	-14.6	-13.3	-11.0
11	-11.0	-10.6	-10.6	-14.6	-14.6	-16.0	-14.6	-13.3	-14.6	-14.6	-13.3	-14.6	-14.6
12	-10.6	- 9.3	- 8.0	-11.0	-14.6	-16.0	-11.0	-11.0	-13.3	-13.3	-13.3	-11.0	-13.3
13	- 9.3	- 9.3	-10.6	-13.3	-14.6	-14.6	-13.3	-13.3	-14.6	-14.6	-14.6	-14.6	-13.3
14	-10.6	-10.6	- 8.0	-11.0	-16.0	-13.3	-13.3	-13.3	-16.0	-14.6	-16.0	-14.6	-14.6
15	- 9.3	- 9.3	- 5.3	- 2.7	- 4.0	1.6	- 5.3	- 1.3	- 2.7	- 8.0	-10.6	-10.6	-13.3
16	-10.6	- 8.0	- 9.3	-14.6	-16.0	-17.3	-17.3	-14.6	-13.3	-13.3	-16.0	-14.6	-14.6
17	-14.6	-11.0	-10.6	-17.3	-18.6	-18.6	-16.0	-14.6	-18.0	-16.0	-18.6	-16.0	-16.0
18	-13.3	-11.0	-13.3	-17.3	-17.3	-18.6	-14.6	-16.0	-17.3	-17.3	-14.6	-14.6	-13.3
19	-14.6	-10.6	-11.0	-18.6	-	-	-	-16.0	-16.0	-14.6	-17.3	-16.0	-16.0
20	-14.6	- 9.3	-10.6	-16.0	-16.0	-16.0	-13.3	-13.3	-16.0	-16.0	-14.6	-16.0	-16.0
21	-16.0	-11.0	-13.3	-18.6	-18.6	-22.6	-21.3	-22.6	-20.0	-18.6	-20.0	-21.3	-17.3
22	-14.6	-13.3	-13.3	-17.3	-20.0	-21.3	-20.0	-18.6	-18.6	-20.0	-22.6	-21.3	-20.0
23	-17.3	-13.3	-14.6	-18.6	-22.6	-21.3	-20.0	-18.6	-21.3	-20.0	-20.0	-21.3	-21.3
24	-16.0	-16.0	-13.3	-18.6	-18.6	-17.3	-18.6	-22.6	-20.0	-18.6	-20.0	-18.6	-20.0
25	-16.0	-16.0	-16.0	-22.6	-	-	-18.6	-18.6	-24.0	-22.6	-22.6	-22.6	-24.0
26	-18.6	-16.0	-17.3	-21.3	-24.0	-20.0	-21.3	-21.3	-17.3	-18.6	-18.6	-18.6	-17.3
27	-16.0	-14.6	-14.6	-18.6	-21.6	-17.3	-14.6	-18.6	-18.6	-20.0	-21.3	-18.6	-18.6
28	-20.0	-16.0	-18.6	-20.0	-18.6	-17.3	-16.0	-17.3	-18.6	-18.6	-20.0	-21.3	-18.6
29													
30													
31													
Prom	-13.6	-11.9	-11.9	-16.0	-17.3	-16.8	-16.2	-15.6	-16.5	-16.5	-16.8	-16.5	-16.4
Var.	2.4	4.1	4.1	0.0	- 1.3	- 0.8	- 0.2	0.4	- 0.5	- 0.5	- 0.8	- 0.5	- 0.4

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
12.0	10.3	12.0	3.4	1.7	8.6	3.4	3.4	6.9	13.8	13.8	8.7	2
10.3	8.6	6.9	3.4	3.4	6.9	3.4	- 1.4	5.2	10.3	10.3	8.4	1
13.8	12.0	10.3	1.7	5.2	6.9	5.2	5.2	8.6	5.2	13.8	8.2	2
10.3	5.2	6.9	- 1.4	3.4	6.9	5.2	5.2	10.3	6.9	8.6	7.9	1
10.3	6.9	- 1.4	- 2.7	1.7	8.6	6.9	3.4	10.3	6.9	3.4	5.3	2
12.0	6.9	3.4	1.7	- 2.7	- 2.7	3.4	3.4	5.2	6.9	10.3	5.9	1
6.9	3.4	1.7	- 1.4	- 1.4	- 2.7	1.7	- 1.4	3.4	3.4	10.3	3.1	1
6.9	5.2	1.7	- 1.4	1.7	3.4	6.9	1.7	10.3	6.9	8.6	5.5	1
5.2	3.4	3.4	1.7	1.7	1.7	1.7	1.7	5.2	- 1.4	1.7	3.7	1
5.2	5.2	3.4	- 2.7	3.4	1.7	1.7	- 1.4	- 1.4	1.7	6.9	3.2	1
12.0	- 4.1	3.4	- 2.7	- 8.1	- 2.7	3.4	- 1.4	3.4	3.4	3.4	2.4	2
6.9	1.7	1.7	- 2.7	- 2.7	- 1.4	1.7	- 2.7	3.4	3.4	6.9	2.9	1
1.7	6.9	6.9	- 4.1	- 4.1	- 4.1	- 1.4	- 2.7	3.4	5.2	5.2	1.8	1
3.4	3.4	- 2.7	- 5.4	- 6.8	- 4.1	1.7	1.7	5.2	6.9	10.3	1.9	2
10.3	5.2	- 1.4	- 4.1	1.7	5.2	3.4	5.2	6.9	3.4	6.9	6.6	2
10.3	1.7	- 5.4	- 2.7	- 1.4	- 6.8	- 1.4	- 2.7	5.2	6.9	8.6	2.5	2
1.7	1.7	- 5.4	- 2.7	1.7	3.4	- 2.7	- 1.4	3.4	6.9	3.4	1.0	2
2.7	- 2.7	- 2.7	- 2.7	- 2.7	- 1.4	- 1.4	1.7	3.4	3.4	3.4	1.2	1
3.4	1.7	- 2.7	- 8.1	- 2.7	3.4	1.7	1.7	3.4	1.7	1.7	0.9	2
3.4	- 4.1	-	-	-	-	-	-	-	-	-	1.9	1
-	-	-	-	-	-	-	-	-	-	-	-	-
3.4	- 4.1	- 5.4	-10.8	1.7	- 2.7	5.2	6.9	6.9	8.6	3.4	1.2	1
6.9	- 2.7	1.7	- 2.7	- 6.8	- 6.8	- 1.4	- 1.4	6.9	3.4	5.2	0.7	1
2.7	- 6.8	- 4.1	- 6.8	- 6.8	3.4	1.7	- 4.1	3.4	- 1.4	1.7	- 0.4	1
1.7	- 4.1	-	-	- 6.8	- 2.7	- 2.7	- 2.7	1.7	- 2.7	3.4	- 1.8	1
5.4	- 4.1	-10.8	- 8.1	- 4.1	- 6.8	1.7	- 2.7	3.4	3.4	3.4	- 2.3	2
3.4	- 4.1	3.4	- 4.1	- 5.4	- 8.1	- 6.8	- 6.8	6.9	6.9	3.4	- 0.5	2
1.4	- 2.7	- 4.1	- 4.1	- 5.4	- 8.1	- 2.7	- 2.7	- 1.4	1.7	- 1.4	- 0.8	1
5.5	1.8	0.8	- 2.8	- 1.6	0.0	1.5	0.2	5.0	4.7	6.0	3.0	
2.5	- 1.2	- 2.2	- 5.8	- 4.6	- 3.0	- 1.5	- 2.8	2.0	1.7	3.0		

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
17.3	-16.0	-16.0	-18.6	-20.0	-21.3	-22.6	-20.0	-18.6	-21.3	-18.6	-18.3	1
14.6	-16.0	-16.0	-16.0	-17.3	-18.6	-18.6	-20.0	-18.6	-18.6	-17.3	-17.1	0
17.3	-16.0	-16.0	-17.3	-21.3	-18.6	-17.3	-17.3	-14.6	-13.3	-13.3	-16.2	0
16.0	-14.6	-14.6	-16.0	-16.0	-17.3	-18.6	-17.3	-14.6	-14.6	-14.6	-15.5	0
16.0	-14.6	-13.3	-14.6	-14.6	-16.0	-17.3	-14.6	-14.6	-13.3	-10.6	-15.7	1
13.3	-10.6	-10.6	-11.0	-14.6	-13.3	-16.0	-14.6	-13.3	-10.6	- 8.0	-13.4	1
11.0	-13.3	-13.3	-13.3	-13.3	-14.6	-14.6	-16.0	-14.6	-14.6	-10.6	-12.8	1
14.6	-11.0	-13.3	-14.6	-14.6	-14.6	-16.0	-16.0	-13.3	-14.6	-13.3	-13.8	1
14.6	-11.0	-11.0	-14.6	-16.0	-16.0	-16.0	-16.0	-14.6	-11.0	-11.0	-14.1	0
16.0	-13.3	-14.6	-16.0	-16.0	-11.0	-14.6	-13.3	-11.0	-13.3	-13.3	-13.8	1
13.3	-11.0	-11.0	-13.3	-16.0	-16.0	-17.3	-14.6	-14.6	-10.6	-10.6	-13.6	1
16.0	-11.0	-13.3	-13.3	-14.6	-14.6	-13.3	-11.0	-11.0	-11.0	-10.6	-12.3	1
13.3	-10.6	-13.3	-11.0	-16.0	-16.0	-16.0	-17.3	-13.3	-13.3	-11.0	-13.4	0
16.0	-14.6	-13.3	-13.3	-16.0	-18.6	-17.3	-16.0	-16.0	-14.6	-10.6	-14.1	1
13.3	-10.6	- 9.3	-10.6	-11.0	-13.3	-14.6	-14.6	-11.0	- 8.0	- 8.0	- 8.5	1
14.6	-13.3	-16.0	-17.3	-18.6	-17.3	-16.0	-14.6	-14,6	-13.3	-14.6	-14.6	1
17.3	-16.0	-17.3	-18.6	-18.6	-18.6	-20.0	-17.3	-16.0	-16.0	-13.3	-16.4	1
16.0	-17.3	-17.3	-18.6	-20.0	-18.6	-18.6	-16.0	-14.6	-13.3	-10.6	-15.8	0
16.0	-14.6	-14.6	-17.3	-17.3	-17.3	-17.3	-17.3	-18.6	-16.0	-11.0	-15.6	1
16.0	-13.3	-13.3	-17.3	-17.3	-21.3	-20.0	-22.6	-17.3	-17.3	-13.3	-15.7	2
17.3	-16.0	-21.3	-22.6	-24.0	-24.0	-24.0	-20.0	-20.0	-21.3	-16.0	-19.5	1
20.0	-20.0	-18.6	-20.0	-24.0	-24.0	-24.0	-21.3	-21.3	-20.0	-16.0	-19.6	1
21.3	-20.0	-21.3	-21.3	-22.6	-24.0	-24.0	-21.3	-18.6	-20.0	-17.3	-20.1	1
20.0	-18.6	-20.0	-24.0	-22.6	-18.6	-24.0	-22.6	-18.6	-18.6	-17.3	-19.3	1
24.0	-22.6	-	-	-24.0	-22.6	-24.0	-21.3	-21.3	-21.3	-18.6	-21.2	1
18.6	-22.6	-20.0	-22.6	-24.0	-22.6	-21.3	-20.0	-20.0	-18.6	-16.0	-19.8	1
21.3	-21.3	-18.6	-18.6	-22.6	-20.0	-18.6	-21.3	-20.0	-18.6	-18.6	-18.8	1
18.6	-21.3	-21.3	-21.3	-21.3	-24.0	-20.0	-21.3	-22.6	-21.3	-21.3	-19.8	0
16.6	-15.4	-15.5	-16.8	-18.4	-18.3	-18.6	-17.6	-16.4	-15.6	-13.8	-16.0	
0.6	0.6	0.5	- 0.8	- 2.4	- 2.3	- 2.8	- 1.6	- 0.4	0.4	2.2		

PRESIÓN ATMOSFÉRICA

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

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	59.2	58.9	58.6	58.2	58.0	58.0	57.9	58.0	58.0	57.8	57.4	56.8	56.3	55.6	54.9
2	53.9	53.8	53.7	53.4	53.6	54.2	54.8	54.4	56.4	56.0	54.8	53.9	52.9	52.1	51.9
3	55.8	55.3	55.7	56.2	57.0	57.5	58.3	58.3	58.4	58.9	59.0	59.0	58.9	58.8	58.4
4	60.9	60.6	60.5	60.6	60.6	61.2	61.5	61.6	61.6	61.6	61.6	61.1	60.7	60.3	59.8
5	58.6	58.4	58.2	57.9	58.0	58.2	58.2	58.2	57.9	57.7	57.5	57.0	56.6	55.8	55.5
6	55.4	55.4	55.3	55.4	55.4	55.5	55.8	55.8	55.8	55.8	55.7	55.5	54.9	54.7	54.2
7	54.7	54.3	54.2	54.0	53.6	54.0	54.1	54.1	54.1	54.1	53.9	53.1	53.0	52.3	52.2
8	54.5	54.1	54.1	53.6	53.3	53.5	54.2	54.5	54.7	54.7	54.6	54.4	54.0	53.8	53.8
9	57.9	58.0	58.3	59.0	59.7	60.4	60.6	61.4	61.5	61.7	61.9	61.9	61.6	61.7	61.3
10	63.3	63.0	63.3	63.5	63.5	63.7	64.0	64.0	64.0	64.2	63.9	63.8	63.8	63.4	62.8
11	59.9	59.6	59.7	59.7	60.0	60.5	60.5	60.6	60.0	59.7	59.3	58.9	58.4	57.9	57.6
12	58.6	58.1	58.1	58.1	58.4	59.0	59.2	59.9	59.7	59.6	59.4	58.9	58.4	57.8	57.4
13	58.1	57.8	57.7	57.7	57.7	57.9	58.1	58.2	58.1	58.1	57.8	57.4	56.9	56.3	55.7
14	55.2	55.0	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.8	54.7	54.2	53.8	53.4	53.2
15	52.3	52.1	51.5	51.1	51.2	51.5	51.7	51.6	51.4	51.2	51.2	50.9	50.3	49.8	49.2
16	50.3	50.3	50.3	50.3	50.6	51.2	51.5	52.0	52.2	52.2	52.3	52.5	52.6	52.6	52.5
17	55.3	55.3	55.3	55.3	55.7	55.9	56.3	57.0	57.0	57.2	57.3	57.3	57.3	57.0	56.7
18	59.0	59.1	59.3	59.4	59.6	60.2	60.7	61.0	60.7	60.5	60.1	59.6	58.9	58.3	57.7
19	58.3	58.3	58.3	58.5	58.6	58.9	59.1	59.2	59.1	58.6	58.3	58.1	57.4	57.0	56.4
20	55.7	56.9	56.9	56.8	57.1	56.7	56.4	56.0	55.8	55.1	54.9	54.5	54.1	53.5	54.2
21	56.2	56.4	56.5	56.4	56.9	57.7	58.0	58.2	58.3	58.4	58.3	58.1	57.6	57.4	56.4
22	55.8	55.6	55.2	54.9	54.9	55.1	55.3	55.4	55.3	55.0	54.7	54.4	53.7	53.4	52.7
23	51.9	51.6	50.9	50.8	50.8	50.7	50.4	50.0	49.5	49.0	48.4	48.0	47.2	45.8	44.9
24	52.8	51.7	52.6	52.8	52.7	53.7	53.7	54.4	55.3	55.2	55.2	55.3	55.2	55.0	54.7
25	56.5	56.5	56.4	56.2	56.4	56.7	56.9	57.1	57.0	57.0	56.9	56.6	56.1	55.8	55.5
26	56.8	56.8	56.8	56.8	56.9	57.0	57.4	57.8	57.8	57.7	57.6	57.5	56.7	56.0	55.7
27	58.2	58.1	58.3	58.3	59.1	59.4	60.0	60.4	60.7	60.6	60.6	60.1	59.7	59.4	59.2
28	59.7	59.4	58.8	58.5	58.6	58.7	58.7	59.2	59.1	59.0	58.7	58.4	58.2	57.6	57.3
29															
30															
31															
Prom	56.6	56.4	56.4	56.4	56.5	56.8	57.1	57.2	57.3	57.2	57.0	56.7	56.2	55.8	55.4

TEMPERATURA DEL AIRE

a la sombra en grados C.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	20.7	19.9	19.2	18.4	17.6	18.5	21.7	24.6	27.1	29.6	30.8	31.7	31.9	32.3	32.3
2	21.6	21.5	20.5	19.3	18.7	19.4	20.2	20.9	21.6	22.8	27.0	28.7	30.6	31.4	31.6
3	22.8	22.8	20.2	19.8	19.5	19.3	20.1	22.0	23.7	25.2	26.3	27.3	28.3	28.5	28.5
4	15.5	15.0	14.9	14.3	14.3	14.8	17.8	21.6	23.7	25.8	26.6	27.7	28.6	27.6	27.6
5	19.2	18.9	18.6	18.4	18.3	18.7	21.1	23.1	25.0	27.1	27.9	28.7	30.0	30.8	31.0
6	22.1	22.5	21.9	21.5	20.6	20.5	23.4	26.4	29.6	31.3	31.9	32.4	32.8	33.2	33.0
7	24.1	24.1	23.4	23.1	22.4	23.0	25.1	26.7	28.4	29.4	29.7	30.6	31.3	32.1	31.3
8	20.5	20.4	20.2	20.4	19.9	20.4	22.3	23.7	25.7	27.7	29.2	30.1	30.9	30.7	30.9
9	18.2	18.8	18.9	17.6	16.7	14.7	15.9	18.1	20.5	22.1	23.1	24.5	25.7	26.3	26.3
10	14.9	14.3	13.0	12.2	12.2	11.1	14.7	18.8	21.2	22.5	23.2	23.8	24.5	25.1	25.4
11	15.9	16.0	17.2	16.5	16.2	15.3	19.4	21.5	25.2	26.2	27.3	27.3	27.3	29.5	28.4
12	18.4	17.3	16.4	16.3	17.1	16.4	20.2	22.2	24.5	26.7	28.5	29.9	30.8	30.5	30.9
13	21.9	19.7	18.6	18.3	17.8	17.8	20.0	24.7	27.7	28.9	29.8	30.5	30.6	30.8	30.8
14	24.1	24.0	23.4	23.5	23.4	23.1	23.6	25.9	28.0	29.1	29.1	30.0	25.8	24.9	24.9
15	23.1	22.4	22.0	22.3	21.8	21.5	21.3	21.3	23.0	25.3	25.7	25.8	26.7	29.0	28.3
16	20.0	20.0	20.1	20.1	20.3	20.3	20.5	22.3	24.3	26.2	27.6	28.9	29.2	29.2	29.3
17	21.3	20.6	19.8	19.1	18.1	17.7	20.5	23.1	25.7	27.0	27.5	28.3	28.5	29.1	27.9
18	19.1	18.0	16.7	15.7	15.0	14.8	16.5	19.5	21.2	22.6	23.9	25.8	26.4	27.7	28.0
19	16.6	15.6	15.1	15.0	15.1	15.1	18.0	20.6	24.1	25.9	27.4	29.1	30.2	30.8	29.9
20	21.1	21.0	20.0	19.3	18.6	18.6	19.4	21.6	24.6	24.8	27.4	28.5	29.1	28.9	20.9
21	18.6	18.8	19.0	18.9	17.9	16.8	17.3	19.3	21.4	23.3	24.7	26.9	28.7	29.5	30.1
22	17.9	18.0	18.1	17.5	17.3	16.5	19.4	23.0	26.5	28.4	29.8	30.8	31.4	31.8	32.4
23	22.7	22.2	22.2	21.3	21.2	21.4	23.4	25.3	28.2	30.4	32.8	33.8	35.8	35.7	35.8
24	14.2	14.2	14.4	14.7	15.8	15.6	15.6	15.6	14.9	15.2	16.4	18.3	18.2	17.2	18.3
25	11.5	11.0	10.4	9.8	9.8	9.6	12.5	16.1	20.6	22.8	24.6	25.5	26.2	26.4	26.4
26	13.4	12.8	12.0	11.6	11.2	10.7	14.5	19.6	22,8	24.8	26.2	27.0	27.8	28.0	27.8
27	17.1	16.2	15.2	14.8	14.0	13.5	14.0	15.9	18.4	20.8	21.7	22.9	22.9	23.2	23.3
28	8.9	8.5	8.0	8.2	8.3	8.2	11.7	17.6	20.3	21.9	23.6	25.2	26.7	27.5	27.3
29															
30															
31															
Prom	18.8	18.4	17.8	17.4	17.1	16.9	18.9	21.4	23.8	25.6	26.8	27.8	28.5	28.8	28.5

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
54.4	53.8	53.7	53.5	53.9	54.0	53.9	53.9	54.0	59.9	0	53.4	18-19	6.5	756.2 mm.	1008.2 mb.
51.6	51.6	51.8	52.2	52.8	53.1	54.6	54.7	55.2	55.2	24	51.6	16,17	3.6	53.6	1004.8
58.4	58.4	58.8	59.2	59.8	60.2	60.5	60.8	61.0	61.0	24	55.2	0	5.8	58.4	1011.2
59.6	59.1	58.9	58.9	58.8	59.2	59.2	59.1	58.9	61.6	varios	58.8	20	2.8	60.2	1013.6
55.0	54.8	54.9	54.9	55.1	55.5	55.7	55.7	55.7	58.9	0	54.8	17	4.1	56.7	1008.9
54.1	54.0	54.1	54.3	54.6	55.2	55.3	55.3	55.1	55.8	varios	54.0	17	1.8	55.1	1006.8
52.3	52.3	52.5	52.7	52.8	53.3	53.7	53.7	54.0	55.1	0	52.2	15	2.9	53.4	1004.5
53.7	53.4	54.0	54.2	54.5	55.1	56.1	57.1	57.7	57.7	24	52.9	5-6	4.8	54.5	1006.0
61.3	61.4	61.6	62.1	62.4	62.8	63.2	63.4	63.5	63.5	24	57.7	0	5.8	61.2	1014.9
62.1	61.6	61.2	60.5	60.8	60.9	60.4	60.2	60.2	64.2	10	60.2	23,24	4.0	62.6	1016.8
57.2	56.8	56.7	57.1	57.6	57.8	58.1	58.3	58.8	60.6	8	56.7	18	3.9	58.8	1011.7
56.9	56.7	56.7	57.2	57.6	58.2	58.4	58.5	58.5	59.9	8	56.7	17,18	3.2	58.3	1011.0
55.5	55.2	55.0	55.2	55.5	56.1	56.1	55.9	55.4	58.5	0	55.0	18	3.5	56.8	1009.0
53.3	53.9	53.4	53.5	53.8	54.1	53.7	53.3	53.1	55.4	0	53.1	24	2.3	54.2	1005.6
49.1	49.1	49.2	49.6	50.2	50.3	50.3	50.3	50.3	53.1	0	49.1	16,17	4.0	50.6	1000.8
52.4	52.1	52.2	52.5	53.2	53.5	54.1	54.9	55.3	55.3	24	50.1	0-1	5.2	52.2	1002.9
56.8	56.7	56.6	56.9	57.4	58.1	58.6	58.7	58.9	58.9	24	55.3	varios	3.6	56.8	1009.0
57.4	57.2	57.5	57.9	58.0	58.2	58.3	58.3	58.3	61.0	8	57.2	17	3.8	59.0	1012.0
56.1	56.0	55.8	55.7	55.8	56.5	56.6	56.6	56.4	59.2	8	55.7	19	3.5	57.5	1010.0
54.5	54.2	53.4	53.2	54.9	54.1	54.1	55.0	55.4	57.1	5	53.3	14-15	3.8	55.1	1006.8
56.2	55.5	55.4	55.7	55.8	56.0	56.0	56.0	56.0	58.4	10	55.4	18	3.0	56.8	1009.0
52.1	51.9	51.8	51.8	51.9	52.1	52.1	52.2	52.1	56.0	0	51.8	18,19	4.2	53.7	1004.9
43.5	43.4	43.5	45.0	46.8	48.7	50.5	51.7	51.9	52.1	0	43.4	17	8.7	48.5	998.0
54.2	54.4	54.7	55.1	55.4	56.1	56.4	56.5	56.6	56.6	24	51.5	1-2	5.1	54.6	1006.1
55.1	55.2	55.5	55.9	56.0	56.5	57.0	57.0	56.9	57.0	22,23	55.1	16	1.9	56.4	1008.5
55.2	55.0	55.2	55.3	55.5	56.1	56.1	56.3	57.4	57.8	8,9	54.9	16-17	2.9	56.6	1008.8
59.0	58.7	58.7	58.8	59.4	59.6	59.7	59.7	59.7	60.7	9	57.4	0	3.3	59.4	1012.5
56.9	56.5	56.6	57.0	57.4	57.5	57.6	57.6	57.5	59.7	0,1	56.5	17	3.2	58.1	1010.8
55.1	55.0	55.0	55.2	55.6	56.0	56.3	56.4	56.6	58.2		54.2		4.0	56.3	1008.4

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
32.0	31.5	28.4	25.9	24.1	22.6	21.7	20.5	21.3	32.3	14,15	17.5	4-5	14.8	25.2
30.0	29.8	28.8	27.8	23.8	23.5	23.6	22.9	22.8	31.8	15-16	18.7	5	13.1	24.5
28.1	27.5	25.0	22.8	21.4	19.3	18.1	17.3	17.0	28.9	15-16	16.8	23-24	12.1	23.0
26.4	25.3	24.1	22.2	21.0	20.0	19.0	18.9	18.9	28.8	12-13	14.1	5-6	14.7	21.3
30.7	29.8	28.0	25.5	24.5	24.0	23.2	23.0	22.1	31.0	15	18.3	5	12.7	24.5
32.6	31.8	29.8	27.3	25.7	25.3	24.7	24.5	24.3	33.2	14	20.2	5-6	13.0	27.0
31.1	30.0	27.8	25.6	24.3	23.6	22.7	22.1	21.2	32.7	14-15	21.2	24	11.5	26.4
31.4	30.7	29.8	27.7	24.6	24.1	24.4	21.8	19.9	31.7	16-17	19.8	4-5	11.9	25.3
26.2	25.3	23.4	21.4	20.3	19.0	17.9	16.4	15.4	26.3	14,15	14.7	6	11.6	20.5
25.2	25.1	24.1	21.7	19.2	17.7	17.4	17.0	17.1	25.2	16	11.1	6	14.1	19.2
28.8	28.2	26.4	24.4	23.5	22.7	21.7	20.5	19.8	29.7	13-14	15.5	1-2	14.2	22.7
30.0	28.8	27.2	24.8	23.5	22.8	22.5	22.1	22.2	30.8	13	16.3	4	14.5	23.8
31.2	30.3	29.0	26.9	25.2	24.4	24.2	24.2	24.5	31.6	14-15	17.7	5-6	13.9	25.3
24.5	23.9	24.0	23.9	23.8	23.9	24.1	23.7	24.0	30.2	11-12	23.1	6	7.1	24.9
27.4	27.0	25.2	24.1	22.5	21.2	20.9	20.8	20.3	29.0	14	20.3	24	8.7	23.7
29.7	29.4	28.2	26.3	24.5	22.8	23.3	22.8	21.9	29.6	11-12	17.4	5-6	12.2	24.5
27.5	27.2	26.0	24.3	22.5	21.3	20.5	19.7	19.7	29.1	11-12	17.3	5-6	11.8	23.4
26.1	25.3	23.9	22.3	21.0	20.5	19.6	17.5	17.2	25.8	15-16	14.8	6	11.0	21.0
29.9	28.7	26.8	24.1	22.0	21.6	20.9	20.8	20.9	30.8	14	15.0	14	15.8	22.7
19.5	19.3	19.7	19.6	18.6	18.3	18.8	18.6	18.7	30.9	13-14	18.0	20-21	12.9	21.4
30.2	28.1	25.9	23.0	20.5	19.5	18.7	18.2	18.3	30.7	15-16	16.5	6-7	14.2	22.2
32.0	31.5	29.6	26.8	25.4	24.4	24.4	24.0	23.2	32.5	15-16	16.5	6	16.0	25.0
35.6	35.1	34.2	25.6	24.0	17.3	16.3	15.1	14.3	36.8	15-16	14.3	24	22.5	26.2
19.3	20.0	17.8	16.4	15.3	14.9	14.3	13.7	12.4	20.0	17	12.4	24	7.6	15.9
26.7	26.1	22.6	19.5	17.9	16.2	15.2	13.7	13.3	27.1	16-17	9.6	6	17.5	18.1
27.2	26.1	24.5	21.6	18.6	17.2	17.1	19.6	20.6	28.0	14	10.7	6	17.3	20.1
22.8	22.1	20.6	17.6	15.0	13.0	11.6	10.6	9.6	23.3	15	9.6	24	13.7	17.4
27.1	25.7	23.6	20.5	19.1	17.9	17.3	17.7	16.8	27.6	15-16	8.0	3	19.6	18.2
28.0	27.5	25.9	23.6	21.8	20.7	20.1	19.6	19.2	29.5		15.9		13.6	22.6

HUMEDAD RELATIVA en %

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

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	14.0	14.0	15.0	14.5	13.5	13.0	14.0	13.2	12.5	11.5	12.5	13.0	13.0	14.3	11.5
2	13.0	12.5	13.5	13.5	14.0	13.5	12.5	13.1	13.5	15.0	14.0	13.5	12.0	13.9	13.0
3	18.0	18.0	15.0	14.0	14.0	13.5	13.5	13.2	12.5	12.5	12.0	11.5	10.5	9.4	9.5
4	12.0	11.5	11.5	11.5	11.5	12.0	14.0	15.5	13.5	13.0	12.0	13.0	13.5	15.5	14.5
5	12.5	14.0	14.5	15.0	15.0	15.5	17.0	17.0	17.0	18.0	17.5	16.5	16.5	14.0	15.5
6	19.0	19.5	17.5	18.5	17.5	17.5	20.5	20.1	19.0	16.0	16.5	15.5	15.5	15.7	14.0
7	20.5	20.5	19.5	20.5	19.5	20.0	20.5	20.3	20.5	20.5	21.0	20.5	18.0	17.2	17.5
8	17.5	17.0	17.0	17.0	16.5	17.0	17.5	19.2	19.0	17.0	17.0	15.0	14.0	14.3	14.0
9	13.5	14.0	13.5	12.0	11.0	10.0	11.0	9.5	9.5	9.0	9.0	9.5	9.0	8.0	8.0
10	10.0	10.5	10.5	10.0	10.0	9.5	10.0	11.4	12.5	12.5	12.0	11.5	12.0	11.5	11.5
11	13.0	13.0	13.5	13.0	13.0	12.5	15.5	14.9	16.0	14.5	14.0	12.5	12.5	11.4	12.0
12	14.5	14.0	13.5	13.5	14.0	13.5	17.0	16.5	16.5	16.0	15.0	13.0	14.0	13.5	12.5
13	18.0	16.5	15.5	15.0	14.5	14.5	17.0	18.6	18.5	17.0	16.5	15.5	17.0	15.3	14.0
14	19.5	19.5	18.5	18.5	18.5	18.5	19.0	19.3	19.0	20.0	18.5	19.5	16.5	19.1	19.0
15	20.5	19.5	19.0	19.5	18.5	18.5	18.0	17.5	17.0	17.0	16.5	16.5	16.0	18.5	16.5
16	17.0	17.0	17.0	17.0	16.0	16.0	16.5	16.8	17.5	17.0	17.0	17.0	17.0	17.1	17.5
17	16.5	15.5	15.5	15.0	15.0	14.5	15.5	15.0	14.0	11.0	10.0	7.8	7.8	8.0	9.0
18	13.5	13.5	13.5	13.0	12.0	12.0	13.5	13.6	14.5	13.5	12.5	13.0	12.0	11.5	12.0
19	13.5	12.5	12.5	12.0	12.5	12.5	15.0	14.1	16.0	13.0	11.5	11.0	10.5	10.8	11.5
20	15.0	12.5	11.5	12.0	13.5	14.5	13.5	13.2	13.0	15.5	15.5	16.5	15.5	16.0	16.0
21	15.5	15.5	15.5	15.5	14.5	13.5	14.0	13.5	11.5	11.0	9.5	9.5	9.5	8.5	8.5
22	13.0	13.0	14.0	14.5	14.0	13.5	15.5	14.2	13.5	10.5	10.0	10.5	12.5	11.5	10.0
23	14.5	15.0	15.0	15.5	15.0	14.5	17.5	18.4	19.0	20.0	21.0	22.5	23.0	23.3	23.0
24	11.0	11.5	11.5	12.0	12.0	12.5	12.5	12.5	12.0	12.5	12.0	11.0	10.5	9.7	9.5
25	9.5	9.5	9.0	8.5	8.5	8.5	9.5	9.9	9.5	8.5	9.5	7.8	7.0	6.9	5.8
26	10.5	10.5	10.0	9.5	9.5	9.0	9.0	11.3	10.5	11.0	9.5	8.5	9.0	9.6	10.5
27	9.5	9.5	10.5	11.0	11.0	11.0	11.5	11.5	11.0	11.0	11.0	12.0	11.0	9.4	8.0
28	8.0	8.0	7.8	7.8	7.8	7.8	10.0	12.8	12.0	11.0	11.5	10.0	9.5	8.2	7.4
29															
30															
31															
Prom.	14.4	14.2	14.0	13.9	13.6	13.5	14.7	14.9	14.7	14.1	13.7	13.3	13.0	12.9	12.6

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

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
11.5	11.0	13.5	14.0	13.6	12.5	13.0	13.0	13.5	15.0	3	11.0	17	4.0	13.1
16.5	18.0	17.0	17.0	18.6	18.5	19.0	19.0	18.0	19.0	22,23	12.0	13	7.0	15.1
9.0	11.5	14.5	15.0	15.5	15.0	15.0	13.5	11.5	18.0	0,1,2	9.0	16	9.0	13.2
12.0	11.5	11.5	12.5	13.5	13.5	14.0	14.0	15.0	15.5	8,14	11.5	varios	4.0	13.0
15.5	16.5	16.0	17.5	17.4	18.0	17.5	19.0	18.0	19.0	23	12.5	1	6.5	16.3
15.5	15.0	14.5	17.0	19.2	18.5	18.0	17.5	19.5	20.5	7	14.0	15	6.5	17.4
16.0	15.0	16.0	16.5	18.5	19.0	19.0	19.0	18.0	21.0	11	15.0	17	6.0	18.9
14.5	14.0	13.0	13.0	15.8	15.0	14.0	15.0	14.0	19.2	8	13.0	18,19	6.2	15.7
8.0	7.8	9.0	10.5	11.0	10.0	10.0	10.0	10.0	14.0	2	7.8	17	6.2	10.1
11.0	8.5	8.0	10.0	11.1	12.5	13.0	13.0	13.5	13.5	24	8.0	18	5.5	11.1
11.0	12.0	11.0	13.0	15.4	15.5	15.5	15.5	15.5	16.0	9	11.0	16,18	5.0	13.6
11.5	14.0	15.5	15.5	17.5	17.0	17.5	17.0	18.0	18.0	24	11.5	16	6.5	15.0
12.5	12.0	11.0	12.5	17.5	17.5	16.0	16.0	18.5	18.6	8	11.0	18	7.6	15.7
18.5	19.0	19.0	19.0	19.3	19.0	20.5	20.0	19.5	20.5	22	16.5	13	4.0	19.0
17.0	18.0	17.0	18.0	17.7	17.0	17.0	16.5	17.0	20.5	1	16.0	13	4.5	17.7
16.0	16.0	15.0	17.0	18.2	18.0	17.5	18.0	17.0	18.2	20	15.0	18	3.2	16.9
10.0	10.0	11.5	13.0	12.8	13.5	13.5	13.0	13.0	17.0	0	7.8	12,13	9.2	12.5
14.5	13.5	14.5	15.5	15.0	14.5	14.5	13.5	14.0	15.5	19	11.5	14	4.0	13.5
10.0	9.5	9.5	11.5	13.0	15.5	15.0	15.0	15.0	16.0	9	9.5	17,18	6.5	12.6
16.5	15.0	15.0	15.5	15.5	15.0	15.5	15.5	15.5	16.5	16	11.5	3	5.0	14.7
7.2	13.5	14.0	14.0	14.8	14.0	14.0	12.0	12.0	15.5	varios	7.2	16	8.3	12.5
9.5	11.0	11.5	15.0	17.5	17.0	17.0	18.0	17.5	18.0	23	9.5	16	8.5	13.5
22.5	22.0	23.0	17.5	20.5	12.5	10.5	10.5	11.0	23.3	14	10.5	22,23	12.8	17.8
10.0	10.5	11.0	11.5	10.9	11.0	10.5	10.5	10.0	12.5	varios	9.5	15	3.0	11.2
5.8	5.6	9.5	13.0	12.1	12.0	11.5	11.0	10.0	13.0	19	5.6	17	7.4	9.1
10.0	9.5	10.5	13.0	12.9	12.5	12.0	11.5	8.5	13.0	19	8.5	12,24	4.5	10.3
7.8	7.4	7.6	8.5	8.9	9.0	9.0	9.0	8.5	12.0	12	7.4	17	4.6	9.8
7.4	10.5	11.0	11.0	12.1	11.5	11.0	10.0	10.0	12.8	8	7.4	15,16	5.4	9.8
12.4	12.8	13.2	14.2	15.2	14.8	14.7	14.5	14.3	16.8		10.7		6.1	13.9

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

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	19	NW	18	N	18	N	9	N	5	N	10	N	7	N	6	N	9	N	14	13	31	NW	10.39 12.46
W	16	W	3	SE	3	E	5	NE	9	NE	7	N	10	N	7	N	5	N	13	10	36	NW	12.00
	7	S	6	E	7	E	5	E	3	C	0	C	1	E	2	E	4	S-SE	8	6	22	E	9.22
	18	E	16	E	14	E	11	E	8	E	6	E	4	E	5	E	5	E	12	7	30	E	16.04.
IE	7	NE	7	E	9	E	8	E	8	E	7	E	5	E	3	E	5	E	15	7	15	NE	16.08
	10	E	9	E	9	E	9	E	9	E	6	E	10	E	8	E	5	E	14	6	18	NE	11.40
	13	E	13	E	15	E	11	E	9	E	8	SE	2	SE	3	S	3	E	20	8	24	E	17.08
W	13	SW	12	SW	13	SW	6	C	1	SW	5	S	10	S	12	S	13	SW	11	8	31	S	23.25
	9	S	7	S	6	E	9	E	7	SE	7	SE	8	SE	4	SE	4	S	13	8	25	S	12.24
	8	E	7	E	5	E	5	E	4	C	1	E	2	E	6	E	3	E	15	6	24	E	14.21
NE	7	N	5	NE	4	E	8	E	6	E	8	E	5	E	4	E	3	N	13	7	22	N	8.04
E	8	E	9	E	10	E	11	E	10	E	10	E	9	E	8	E	10	E	12	6	18	E	19.09
E	11	E	10	E	10	E	8	E	9	E	11	E	11	E	8	E	9	E	12	8	22	NE	11.40
NE	14	E	8	E	6	E	8	E	8	E	6	E	10	E	10	E	10	E	13	10	36	NE	12.40
SW	7	SW	8	SW	7	SW	5	SW	4	SW	3	W	3	W	2	W	6	SW	8	5	20	SW	15.36
SW	11	SW	10	SW	6	SW	3	C	1	C	1	W	6	S	2	S	3	SW	11	7	27	SW	10.52
SW	6	SW	5	SW	2	C	0	C	0	W	4	W	4	SW	4	SW	3	S	13	6	26	S	11.20
SE	4	E	9	E	6	E	4	E	4	E	4	E	5	E	4	E	5	S	12	5	15	E	17.09
NE	8	NE	8	NE	8	E	4	E	4	E	4	E	3	E	6	E	4	N	8	5	18	NE	7.32
S	13	S	11	SE	9	E	5	E	9	N	10	NW	14	W	6	W	6	S	6	9	44	S	14.42
NW	8	E	8	NE	8	N	4	N	6	N	6	N	8	N	10	N	10	N	7	5	17	NW	14.58
N	15	N	12	N	7	E	4	C	1	C	1	NE	6	NE	2	N	4	NW	15	12	34	NW	9.43
N	26	N	24	N	14	N	12	S	14	S	13	S	12	S	16	S	8	N	19	16	45	N	15.30
NW	12	W	7	W	9	NW	7	NW	9	W	6	W	8	W	5	W	4	W	12	7	26	E NW	0.33 12.12
NW	5	W	3	N	6	N	6	N	2	C	1	C	0	C	1	NW	4	NW	9	4	18	W	11.05
N	16	N	16	N	8	C	1	C	0	C	0	N	3	N	6	N	10	N	13	5	24	N	15.20
S	2	S	4	S	3	S	3	C	1	C	0	C	0	C	0	C	0	S	14	3	16	S	10.04
S	4	NE	2	NE	3	C	1	C	0	C	0	N	2	N	4	N	3	C	9	2	12	NW	12.01
E		E		E		E		E		E		E		E		E		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		48 Km.		
6		9		10		16		14		10		10		11		11					DIREC.	DÍA	HORA
																		E	159	7			
	11		9		8		6		5		5		6		5		6				varios	varios	varios

FRECUENCIAS, KILÓMETROS RECORRIDOS Y VELOCIDAD MEDIA POR DIRECCIÓN

DÍAS	NORTE		NORESTE		ESTE		SUDESTE		SUD		SUDOESTE		OESTE		NOROESTE		Calma	TOTALES DIARIOS DE KILÓMETROS
	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	
1	14	122	1	3											9	193		318
2	13	122	2	16	1	5	1	3			1	2	1	3	5	100		251
3	1	6			5	21	8	61	8	58							2	147
4					12	117	11	61									1	179
5			9	67	15	100												167
6	2	8	8	45	14	102												155
7			2	15	19	167	2	5	1	3								190
8			1	3	1	4	1	3	7	51	11	124	1	6			2	193
9					2	16	9	78	13	111								205
10					15	108	4	19	2	8							3	138
11	13	109	2	11	9	48												168
12					12	107	4	25	3	12							5	146
13			6	64	12	108	5	14									1	187
14			11	148	13	97												245
15	2	9	1	6	3	17	1	3	4	13	8	45	3	11			2	106
16									2	5	11	96	9	58			2	161
17									13	105	6	29	2	8			3	143
18					8	41	4	17	12	45								103
19	8	54	7	43	6	25											3	125
20	2	27	3	36	5	49	4	31	6	42			2	12	2	27		224
21	7	46	2	11	2	10	1	4	4	19	3	14			3	24	2	130
22	4	38	2	8	1	4									15	207	2	259
23	19	316							5	63								379
24	3	9			3	14							12	70	6	70		163
25	3	14											7	32	9	49	5	98
26	13	119											1	2	3	8	7	131
27							5	12	14	65							5	78
28	8	35	2	5	1	2			2	8			1	4	1	4	9	62
29																		
30																		
31																		
SUMAS	112	1038	59	481	159	1162	60	336	96	608	40	310	39	206	53	682	54	4851
% PREVAL POR VELOCIDAD	21.3		9.9		24.0		6.9		12.5		6.4		4.2		14.1		0.7	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	9		8		7		6		6		8		5		13		0.6	173

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	3	1	10	2	4	1	1	2	4
1 - 2	3	1	8	2	6	1	2	2	3
2 - 3	3	1	6	5	6	1	3	1	2
3 - 4	6	1	4	3	7		1	1	5
4 - 5	7	2	2	4	8		2	1	2
5 - 6	7	2	3	5	5		2	1	3
6 - 7	6	3	2	6	2		2	2	5
7 - 8	5	2	2	6	4		2	4	3
8 - 9	6	3	4	6	3	1	2	3	
9 - 10	5	4	3	4	4	3	1	3	1
10 - 11	6	5	3	4	4	2	1	3	
11 - 12	5	6	2	3	5	2	2	3	
12 - 13	5	6	3	1	5	2	1	4	1
13 - 14	4	4	4		5	3	1	6	1
14 - 15	3	3	6		5	4		7	
15 - 16	3	4	6	1	5	4		5	
16 - 17	4	3	9		4	4	3	1	
17 - 18	5	4	10	2	2	4	1		
18 - 19	4		16		1	3		1	3
19 - 20	3	1	14		1	1		1	7
20 - 21	3	1	10	1	1	2	2		8
21 - 22	5	1	10	2	2		4	1	3
22 - 23	5	1	11	2	3	1	3		2
23 - 24	6		11	1	4	1	3	1	1
SUMAS	112	59	159	60	96	40	39	53	54
% de frec. por dirección	16.7	8.8	23.7	8.9	14.3	5.9	5.8	7.9	8.0

NUBES. VISIBILIDAD

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

ADIACIÓN SOLAR

Días	Hora	Bulbos Negro °C	Bulbos Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9	48.1	32.0	1.31	0	5	5	
	10	50.9	33.6	1.41	0	5	5	
	12	53.2	36.2	1.38	0	5	5	
	14	53.4	37.1	1.33	0	5	5	
	15	52.5	36.9	1.27	0	5	5	
	9	25.8	22.5	0.27	8	0	5	
	10	25.7	22.8	0.24	7	0	5	
2	12	49.7	33.6	1.31	2	3	5	
	14	53.5	36.5	1.38	3	5	5	
	15	45.1	34.2	0.89	6	3	5	
	9	45.1	28.2	1.37	0	5	5	
	10	47.1	29.5	1.43	0	5	5	
3	12	49.7	32.2	1.42	0	5	5	
	14	51.2	33.5	1.44	0	5	5	
	15	49.6	33.1	1.34	1	5	5	
	9	44.5	27.8	1.36	0	5	4	B.
	10	48.0	30.4	1.43	0	5	4	B.
4	12	50.5	33.4	1.39	0	5	4	B.
	14	48.5	32.5	1.30	0	5	4	B.
	15	47.5	31.9	1.27	0	5	4	B.
	9	46.7	29.6	1.39	0	5	5	
	10	48.9	31.2	1.44	0	5	5	
5	12	51.9	34.4	1.42	2	5	5	
	14	52.2	35.6	1.35	1	5	5	
	15	51.7	35.6	1.31	1	5	5	
	9	50.4	34.3	1.31	0	5	5	
	10	52.8	36.5	1.33	6	3	5	
6	12	55.6	37.6	1.46	4	3	5	
	14	54.5	38.1	1.33	3	3	5	
	15	53.0	37.4	1.27	2	5	5	
	9	47.9	32.1	1.28	1	3	5	
	10	52.3	34.6	1.44	3	3	5	
7	12	48.0	34.4	1.10	2	3	5	
	14	52.6	36.7	1.29	4	3	5	
	15	40.4	32.6	0.63	3	3	5	
	9	48.1	31.5	1.35	3	3	5	
	10	50.0	33.1	1.37	5	3	5	
8	12	52.9	36.2	1.36	5	3	5	
	14	50.8	35.2	1.27	6	3	5	
	15	47.2	34.6	1.02	6	3	4	B.
	9	42.5	25.0	1.42	0	5	4	B.
	10	45.5	27.4	1.47	0	5	5	
9	12	48.0	30.2	1.45	0	5	5	
	14	49.5	31.8	1.44	0	5	5	
	15	48.1	31.5	1.35	0	5	5	
	9	39.5	25.0	1.18	1	4	3	B.
	10	45.0	27.8	1.40	2	4	4	B.
10	12	47.1	29.6	1.42	1	4	4	B.
	14	47.1	30.3	1.36	0	4	4	B.
	15	47.5	30.6	1.37	0	4	4	B.
	9	44.5	28.0	1.34	4	3	5	
	10	50.1	31.6	1.50	5	3	5	
11	12	36.5	29.0	0.61	6	3	5	
	14	43.0	32.4	0.86	7	3	5	
	15	45.5	33.4	0.98	7	3	5	
	9	46.1	29.5	1.35	2	3	5	
	10	49.4	32.5	1.37	3	3	4	B.
12	12	54.4	36.2	1.48	6	3	4	B.
	14	50.4	35.3	1.23	4	3	4	B.
	15	47.3	34.4	1.05	6	3	4	B.
	9	49.0	33.0	1.30	1	5	5	
	10	50.6	34.1	1.34	1	5	5	
13	12	53.2	36.7	1.34	3	3	5	
	14	47.8	34.6	1.07	6	5	5	
	15	51.4	35.6	1.28	6	5	5	
	9	50.4	33.5	1.37	5	5	5	
	10	53.0	35.5	1.42	5	3	5	
14	12	54.8	36.0	1.53	7	3	5	
	14				8	0	5	LL.
	15				8	0	5	LL.
	9	43.2	27.9	1.24	7	2	5	
	10	38.6	28.5	0.82	7	1	5	
15	12	41.0	29.4	0.94	7	3	5	
	14	52.0	34.7	1.41	6	3	5	
	15	51.0	34.1	1.37	6	3	5	
	9	46.4	29.4	1.38	2	3	5	
	10	49.1	31.6	1.42	1	5	5	
16	12	51.9	34.3	1.43	4	3	5	
	14	47.0	34.0	1.06	6	3	5	
	15	36.1	30.0	0.50	6	3	5	
	9	48.4	30.5	1.46	4	4	5	
	10	44.1	31.0	1.06	7	4	5	
17	12	46.7	32.4	1.16	7	4	4	B.
	14	50.0	34.0	1.30	7	4	5	
	15	37.0	29.4	0.62	7	2	5	
	9	43.4	26.3	1.39	0	5	5	
	10	45.6	28.6	1.38	0	5	5	
18	12	49.9	32.1	1.45	2	5	5	
	14	50.5	33.4	1.39	3	5	5	
	15	51.0	33.4	1.43	4	3	5	
	9	45.1	28.5	1.35	0	5	5	
	10	48.4	31.9	1.34	0	5	5	
19	12	52.3	35.6	1.36	1	5	5	
	14	52.5	36.5	1.30	0	5	5	
	15	49.9	35.1	1.20	0	5	5	
	9	42.2	28.1	1.15	5	3	4	
	10				7	0	4	Am.
20	12	51.1	34.2	1.37	4	4	5	
	14	40.0	31.5	0.69	8	1	5	
	15				8	0	5	Am.
	9	43.6	26.1	1.42	2	4	5	
	10	46.5	28.7	1.45	2	4	5	
21	12	49.9	33.4	1.34	0	5	5	
	14	51.1	34.4	1.36	0	5	5	
	15	50.1	34.2	1.29	0	5	5	
	9	47.4	30.8	1.35	0	5	5	
	10	49.6	33.6	1.30	0	5	5	
22	12	52.5	36.1	1.33	0	5	5	
	14	52.5	36.6	1.29	0	5	5	
	15	51.6	35.5	1.31	0	5	5	
	9	47.7	32.6	1.23	1	5	5	
	10	50.7	36.0	1.20	1	5	5	
23	12	53.9	39.1	1.20	1	5	5	
	14	55.7	40.6	1.23	6	3	5	
	15	50.2	39.0	0.91	6	3	5	
	9				8	0	4	LL.
	10				8	0	5	Am.
24	12	27.3	23.6	0.30	8	0	5	
	14	20.6	17.7	0.24	8	0	5	
	15	40.7	24.2	1.34	7	0	5	
	9	42.1	25.1	1.38	0	5	5	
	10	45.2	28.5	1.36	0	5	5	
25	12	48.2	31.1	1.39	0	5	5	
	14	48.6	31.4	1.40	1	5	5	
	15	48.1	31.5	1.35	3	4	5	
	9	43.7	27.4	1.33	1	5	5	
	10	47.0	30.3	1.36	2	5	5	
26	12	48.9	32.3	1.35	1	5	5	
	14	48.4	32.7	1.28	0	5	5	
	15	48.3	32.5	1.28	0	4	5	B.
	9	39.5	23.1	1.33	1	5	5	
	10	43.9	26.4	1.42	1	5	5	
27	12	44.0	27.8	1.32	5	3	5	
	14	45.5	28.4	1.39	2	5	5	
	15	44.8	28.2	1.35	3	5	5	
	9	43.7	26.5	1.40	2	5	5	
	10	45.0	28.7	1.33	4	5	5	
28	12	48.1	30.5	1.43	4	5	5	
	14	46.4	31.4	1.22	3	5	5	
	15	47.0	31.6	1.25	7	5	5	
	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	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.3	12.2	13.6	90
2						0.8	1.0	1.0	1.0	0.8	0.4			0.3	5.3	13.6	39
3		0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.8	13.6	87
4	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	12.8	13.6	94
5	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	12.8	13.5	95
6	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		12.5	13.5	93
7		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		12.0	13.5	89
8		0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.5	1.0	1.0	1.0	0.9		11.2	13.4	84
9		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	13.4	87
10		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		12.0	13.4	90
11		0.8	0.9	1.0	1.0	1.0	0.9	0.9	1.0	0.8	1.0	0.1			9.4	13.3	71
12		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.7		11.2	13.3	84
13		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	13.3	88
14		0.1	0.7	1.0	1.0	1.0	0.7	0.3							4.8	13.2	36
15				0.2	0.8	0.1	0.4	0.4	1.0	1.0	1.0	0.9	0.6	0.2	6.6	13.2	50
16			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		10.4	13.2	79
17		0.9	1.0	1.0	1.0	0.7	1.0	0.7	0.6	0.1					7.0	13.1	53
18		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.7			10.4	13.1	79
19		0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9		11.6	13.1	89
20		0.1	0.5	0.4	0.7	0.9	1.0	1.0	0.5			0.4	0.1		5.6	13.0	43
21		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.8	13.0	91
22		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.6	13.0	89
23			0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4			9.0	12.9	70
24							0.5	0.2		0.4	0.5	0.7	0.5		2.8	12.9	22
25		0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5		11.2	12.9	87
26		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	12.8	86
27		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	12.8	88
28		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	12.8	87
29																	
30																	
31																	
Medias	0.1	0.6	0.8	0.9	0.9	0.9	[illegible]	0.9	0.9	0.9	0.8	0.8	0.6	0.1	10.1	13.2	76

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	24.0	28.5	26.5	24.1	27.1	26.2	23.0	23.3	24.0	23.6	23.4	23.8	-	-	-
2	23.8	27.4	26.5	24.0	26.1	26.0	22.7	22.7	23.5	23.6	23.2	23.5	-	-	-
3	24.0	28.8	26.0	24.4	27.1	26.2	23.2	23.4	24.3	23.5	23.6	24.1	-	-	-
4	23.2	28.2	25.4	23.6	26.7	25.5	22.7	23.2	23.8	23.7	23.5	24.0	-	-	-
5	23.7	28.4	26.8	23.8	27.2	26.5	22.6	23.2	24.2	23.4	23.4	24.3	-	-	-
6	25.2	30.4	37.4	24.9	28.1	27.3	23.4	24.2	24.9	24.1	24.1	24.6	-	-	-
7	26.0	30.9	27.9	25.6	28.7	27.8	24.2	24.8	25.2	24.5	24.4	25.0	-	-	-
8	25.4	30.6	27.7	25.5	28.5	27.6	24.2	24.6	25.2	24.6	24.8	24.9	-	-	-
9	23.9	28.8	26.1	24.8	27.5	26.4	24.7	24.3	24.7	24.9	24.5	25.0	-	-	-
10	22.4	27.9	25.2	23.3	26.4	25.6	23.0	23.2	23.8	24.3	23.6	24.0	-	-	-
11	23.2	28.2	26.4	23.4	26.2	25.9	22.6	23.0	23.5	23.7	23.4	23.7	-	-	-
12	23.8	29.2	26.4	23.9	27.1	26.3	22.7	23.3	23.8	23.7	23.6	24.0	-	-	-
13	24.6	29.6	27.3	24.5	27.6	26.9	23.4	23.6	24.4	24.0	23.7	24.3	-	-	-
14	25.7	28.7	26.8	25.5	27.2	26.4	23.8	24.2	24.4	24.4	24.1	24.2	-	-	-
15	25.2	28.1	26.9	25.1	26.7	26.7	23.6	23.8	24.5	24.2	24.2	24.4	-	-	-
16	25.0	29.7	27.4	25.1	27.8	27.1	23.8	24.2	24.6	24.2	24.4	24.6	-	-	-
17	24.4	28.4	26.0	24.7	26.9	26.2	23.6	24.2	24.4	24.4	24.4	24.4	-	-	-
18	23.2	28.6	26.0	23.7	26.7	25.9	23.0	23.4	24.2	23.8	23.8	24.2	-	-	-
19	23.0	28.0	26.2	23.6	26.6	26.0	22.6	23.2	23.8	23.7	23.6	23.8	-	-	-
20	23.7	28.4	24.6	24.1	26.3	25.2	23.1	23.3	23.4	23.7	23.8	23.8	-	-	-
21	22.8	27.6	25.3	22.3	26.1	25.4	22.4	22.8	23.4	23.1	23.1	23.6	-	-	-
22	22.6	25.2	25.8	23.2	27.9	25.5	22.2	22.6	23.3	23.1	23.0	23.4	-	-	-
23	24.1	28.8	27.7	24.2	26.7	27.0	22.7	23.3	24.3	23.4	23.6	24.2	-	-	-
24	22.2	22.9	22.4	23.0	23.1	22.8	22.2	21.5	21.5	23.4	22.6	22.3	-	-	-
25	19.2	24.5	23.1	20.3	23.3	23.1	20.0	20.4	21.6	21.5	21.2	22.0	-	-	-
26	19.8	24.5	23.1	20.7	23.4	23.2	20.5	20.8	21.2	21.6	21.3	21.9	-	-	-
27	20.8	24.3	22.4	21.3	23.5	22.9	20.6	20.8	21.4	21.3	21.5	21.5	-	-	-
28	18.8	22.4	22.9	20.0	22.9	22.8	19.8	20.2	20.9	21.3	21.3	21.2	-	-	-
29															
30															
31															
Prom.	23.3	27.8	26.2	23.7	26.4	25.7	22.7	23.0	23.6	23.5	23.4	23.7	-	-	-

LLUVIA, ESTADO DEL SUELO, ETC...

DÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en %						Freatímetro
	50 cm.	1.50 m.	7 m.	18 m.		8h	14h	20h	Total	Punto	7 cm.	15 cm.	30 cm.	60 cm.	1 m.	
1					0	0.6	3.5	3.5	8.8							10640
2	0.0	0.0	0.0	0.0	0	1.8	2.3	2.1	5.2	D.18	8.6	9.7	17.8	18.4		10642
3					0	0.8	2.0	2.2	4.7							10659
4					0	0.5	2.2	1.9	5.0							10674
5					0	0.9	1.7	1.9	4.1							10678
6					0	0.5	2.6	2.4	6.0	-	-	-	-	-		10677
7					0	1.0	1.6	2.2	4.1							10685
8					0	0.3	2.2	2.8	7.0							10694
9					0	2.0	2.3	1.9	5.1							10724
10					0	0.9	1.7	1.7	3.9							10738
11					0	0.5	1.9	2.1	4.4	D.20	7.5	7.6	14.5			10735
12					0	0.4	1.8	1.7	4.0							10748
13					0	0.5	1.3	3.0	5.5							10554
14	7.2	7.5	6.6	6.6	0	1.2	1.9	0.6	3.0							10760
15					1	0.5	0.9	1.1	2.5							10768
16					0	0.5	1.6	1.8	4.4	D.21	8.3	8.3	14.1			10776
17					0	1.0	2.6	1.5	5.0							10800
18					0	0.9	1.6	1.5	3.6							10815
19					0	0.5	2.3	2.7	6.4							10821
20	9.7	10.4	9.3	8.8	0	1.4	2.1	0.5	3.0							10826
21					1	0.4	2.1	2.3	5.4	D.22	7.3	7.9	15.1	14.6	13.8	10836
22					0	1.0	4.2	3.4	9.3							10843
23	23.5	24.5	23.3	19.8	0	1.7	1.9	4.5	7.0							10846
24	2.0	2.2	1.5	0.9	2	0.6	0.6	1.1	2.2							10866
25					2	0.5	2.4	2.6	5.8							10875
26					1	0.8	3.5	2.5	7.1	D.23	15.7	10.6	15.1			10878
27					0	1.1	1.6	1.8	3.7							10886
28					0	0.3	1.9	2.9	5.4							10895
29																
30																
31																
Prom.	42.4	44.6	40.7	36.1	-	0.8	2.1	2.2	5.1	-	-	-	-	-	-	10762

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		
-	-	-	24.0	24.0	24.0	21.1	-	16.7	Ca. m. y t., Cn. n., r. m.
-	-	-	24.0	24.1	24.1	21.3	-	14.8	Cn. m. y n., Ca. t., r. m., Ru. LL. m. y t, R. n.
-	-	-	24.1	24.2	24.3	21.3	-	17.6	Ca. m. t. y n.
-	-	-	24.2	24.2	24.3	21.3	-	14.6	Ca. m. t. y n., r. m., B. m. y t.
-	-	-	24.3	24.3	24.3	21.4	-	14.6	Ca. m. t. y n., B. t., Ne. n.
-	-	-	24.4	24.4	24.3	21.4	-	17.8	Ca. m. y n., Cn. t., r. m., B. t.
-	-	-	24.3	24.3	24.5	21.4	-	19.0	Ca. m. y n., Cn. t., r. m.
-	-	-	24.4	24.4	24.5	21.4	-	17.6	Cn. m. t. y n., r. m., Ds. t.
-	-	-	24.5	24.6	24.6	21.4	-	14.4	Ca. m. t. y n., B. m.
-	-	-	24.4	24.5	24.6	21.6	-	10.8	Ca. m. t. y n., r. m., B. m. y t., Ne. n.
-	-	-	24.7	24.8	24.8	21.6	-	13.7	Cn. m. t. y n., r. m.
-	-	-	24.7	24.7	24.7	21.6	-	13.6	Cn. m. y t., Ca. n., B. m. y t., Ne. n.
-	-	-	24.6	24.6	24.6	21.6	-	16.7	Ca. m., Cn. t. y n., Ne. m.
-	-	-	24.6	24.6	24.6	21.6	-	20.1	Cn. m. t. y n., Ru. LL. t.
-	-	-	24.7	24.8	24.9	21.8	-	19.2	Cn. m. y t., Ca. n.
-	-	-	24.8	24.8	24.8	21.8	-	19.7	Cn. m. y t., Ca. n.
-	-	-	24.9	24.9	24.9	21.8	-	13.4	Cn. m. t. y n., B. m. y t.
-	-	-	24.9	24.9	24.9	21.8	-	11.9	Ca. m. t. y n., r. m.
-	-	-	24.8	24.8	24.8	21.9	-	11.8	Ca. m. t. y n., r. m.
-	-	-	24.9	25.0	24.9	21.9	-	14.6	Cn. m. t. y n., LL. m. y t., Ru. LL. n.
-	-	-	24.8	24.8	24.8	21.9	-	13.1	Ca. m. t. y n., r. m., Bl. n.
-	-	-	24.8	24.9	24.8	22.0	-	12.7	Ca. m. t. y n., r. m.
-	-	-	24.8	24.8	24.8	22.1	-	17.3	Ca. m., Cn. t. y n., R. LL. n.
-	-	-	24.6	24.6	24.6	22.0	-	13.3	Cn. m. y t., Ca. n., Ru. LL. m.
-	-	-	24.5	24.7	24.6	22.1	-	5.3	Ca. m. t. y n., r. m.
-	-	-	24.4	24.5	24.5	22.2	-	8.6	Ca. m. t. y n., r. m., B. t.
-	-	-	24.3	24.3	24.3	22.2	-	9.7	Cn. m., Ca. t. y n., r. m.
-	-	-	24.0	24.0	24.1	22.3	-	5.2	Cn. m., Ca. t. y n., r. m., Ne. n.
-	-	-	24.5	24.6	24.6	21.7	-	14.2	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESIÓN ATMOSFÉRICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE								HELIOFANÍA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mm. mb.	mm. mb.			mm. mb.			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	57.2	64.2	10	10	51.6	2	16,17	23.7	30.2	17.2	33.2	6	14	11.1	10	6	11.4	13.5	85
2ª	55.9	61.0	18	8	49.1	15	16,17	23.3	29.8	17.5	31.6	13	14-15	14.8	18	6	8.9	13.2	67
3ª	55.5	60.7	27	9	43.4	23	17.	20.4	28.2	12.2	36.8	23	15-16	8.0	28	3	10.0	12.9	78
MES	56.3	64.2	10	10	43.4	23	17	22.6	29.5	15.9	36.8	23	15-16	8.0	28	3	10.1	13.2	76

DÉCADA	HUMEDAD DEL AIRE								VIENTO									LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas				Instantáneas			Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Velocidad Máxima	Dirección	Día	Hora				
	%	%		%		mm. mb.	mm. mb.	mm. mb.		Km/h	Km/h		Km/h			Km/h				mm.	mm.		mm.		
1ª	69	100	varios	30	9	14.4	21.0	7.8	E	8	48	1 2,8	26	1	10-11	36	NW	2	12.00	-	-	-	-	-	-
2ª	75	100	varios	27	17	15,1	20.5	7.8	E	7	48	11, 14	26	14	13-14	44	S	20	14.42	17.9	10.4	20	10.4	20	20-21
3ª	71	100	varios	21	21,25	11.8	23.3	5.6	N	10	48	22, 23	26	23	15-16	45	N	23	15.30	26.7	24.5	23	24.5	23	20-21
MES	72	100	varios	21	21,25	13.9	23.3	5.6	E	7	48	v.s	26	v.s	varios	45	N	23	15.30	44.6	24.5	23	24.5	23	20-21

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

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

DÉCADA	FENÓMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
1ª	7	-	-	-	-	-	-	1	-	-	-	8	-	-	10	-
2ª	3	-	-	-	-	-	-	-	-	-	-	2	3	-	10	-
3ª	6	-	-	-	-	-	-	-	1	-	-	4	-	-	6	1
MES	16	-	-	-	-	-	-	1	1	-	-	14	3	-	26	1

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. IX MARZO 1954 Nº 3

RESUMEN MENSUAL

En la masa de aire fresca y seca, llegada en los últimos días del mes anterior, la tensión del vapor y la humedad relativa marcan los valores mínimos mensuales con 8.5 mm Hg y 31% respectivamente. Al girar el viento al sector Norte aumenta en forma pronunciada la temperatura, humedad y nubosidad. Al mismo tiempo baja la presión atmosférica hasta el mínimo mensual de 749.6 mmHg el día 4 en una depresión, que se forma sobre la zona del Río de la Plata entre la masa de aire tropical reinante y una más fresca y seca que avanza desde la Patagonia. Pero ya en la tarde del día anterior y aún en la misma masa tropical, se producen las lluvias más intensas del mes, cayendo 25.0 mm en una sola hora. Los días siguientes se destacan por su tiempo inestable y húmedo con temperaturas por debajo de la normal debido al aporte de una aeromasa que llega desde el mar. Llueve en los días 7 y 8 con variada intensidad y al aclarar el cielo en la madrugada del 9 baja la temperatura al mínimo mensual de 9.8°C, mientras la tensión del vapor alcanza de nuevo el valor mínimo mensual.

La situación general cambia por completo el último día de la década anterior. El anticiclón migratorio que vino desde el SW se desplaza al NE por lo cual se establece una corriente continua del sector Norte, transportando masas de aire siempre más calurosas y húmedas. Durante seis días reina tiempo estable estival con temperaturas máximas de alrededor 30°C. Por la tarde del 15 sube la temperatura al máximo mensual de 34.4°C. Aunque llega un empuje de aire un poco más fresco desde el Sur en la mañana del 16, el tiempo húmedo sigue manteniéndose con temperaturas de 2 a 4°C sobre la normal. En la zona frontal entre estas dos aeromasas llueve intensamente la mañana del 17. Al restablecerse la corriente del sector Norte el día siguiente, aclara el cielo y en aire tropical aumenta la temperatura y humedad hasta el fin de la década.

Durante los primeros 4 días de la última década predomina todavía el aire tropical con temperaturas de 3 a 4°C sobre la normal y muy elevada humedad absoluta, alcanzando el máximo mensual con 21 mmHg el 23. Aumenta la nubosidad y el tiempo se vuelve inestable; empeora en forma marcada el 24, originando lluvias ligeras, en un frente de inestabilidad. Aire fresco avanza desde el Sur y produce lluvias intermitentes durante todo el día 25, que es también el único día del mes sin brillo solar. A medida que el anticiclón de aire fresco avanza desde la Patagonia aumenta la presión registrándose el máximo mensual con 764.2 mmHg el 27. El tiempo bueno, fresco y seco reinante durante los últimos días del mes solo se ve interrumpido la tarde del 29, al pasar una zona lluviosa a través de la Prov. de Buenos Aires.

El prolongado lapso estival se refleja también en los promedios mensuales, acusando desviaciones positivas la temperatura en 1.7°C y la tensión del vapor en 1.1 mmHg. Los demás elementos más o menos normales tuvieron pequeñas desviaciones negativas, excepción hecha de la precipitación que disminuyó en un 20%.

POTENCIAL ATMOSFÉRICO en V/M.

Día \ Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	83	76	69	69	69	83	104	104	83	83	83	83	90	104	90
2	69	69	69	62	62	62	76	76	97	97	97	76	76	104	97
3	69	62	55	34	55	62	131	117	117	117	110	138	∞	± ∞	7
4	76	76	83	83	83	41	34	69	97	117	83	62	55	62	55
5	-	-	-	-	-	-	-	104	131	159	159	138	131	124	117
6	110	110	55	152	186	166	145	159	166	166	159	152	152	172	166
7	55	55	34	41	69	90	83	55	28	48	145	124	179	104	110
8	48	69	69	62	21	7	34	97	104	104	117	104	104	83	83
9	83	83	76	69	62	69	76	138	124	110	117	104	110	110	97
10	104	90	110	97	90	117	145	166	117	104	104	90	83	97	110
11	62	62	62	69	69	83	104	104	110	83	34	34	34	28	21
12	62	69	97	62	48	28	83	83	55	55	28	34	41	28	28
13	62	55	83	76	69	69	97	124	76	83	55	69	76	69	69
14	104	83	76	104	83	69	90	131	124	131	124	97	104	97	90
15	-	-	-	-	-	-	-	104	69	55	48	55	62	69	62
16	62	69	69	55	21	- 7	∞	21	124	76	159	138	152	145	124
17	-	-	-	- 28	41	41	34	28	48	76	124	83	69	55	62
18	90	76	83	97	90	104	117	131	97	110	138	117	138	124	110
19	104	76	62	69	76	90	124	124	117	104	104	97	90	90	97
20	41	48	55	48	62	62	83	90	76	83	97	83	90	104	104
21	83	76	76	69	69	69	104	124	117	124	104	104	110	97	90
22	76	90	97	104	124	110	97	152	179	172	152	131	83	97	104
23	124	90	97	90	104	152	166	193	186	166	104	62	69	76	83
24	97	55	55	62	28	-138	-110	97	138	166	193	213	104	97	90
25	83	83	110	76	76	± ∞	± ∞	± ∞	∞	83	41	159	117	- 34	48
26	76	62	-	48	48	55	34	28	62	69	62	69	48	55	41
27	55	55	62	69	69	69	97	117	110	104	97	83	62	48	48
28	97	104	124	104	69	76	110	233	207	124	110	104	83	76	97
29	55	48	48	48	48	41	48	90	69	69	83	97	97	97	90
30	90	97	83	83	90	83	83	246	310	350	278	272	265	272	272
31	48	55	41	48	55	83	117	166	117	124	138	145	145	145	152
Prom.	77.2	75.3	75.6	77.3	77.9	81.6	99.0	131.0	122.5	119.6	111.6	101.4	101.7	99.5	99.2

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	0.81	0.92	1.73	0.88	538	556	1094	0.97	1.05	1.16
2	0.84	0.95	1.79	0.88	516	509	1025	1.01	1.14	1.30
3	0.62	0.68	1.30	0.91	479	458	937	1.04	0.91	1.04
4	0.82	0.88	1.70	0.93	532	555	1087	0.96	1.08	1.11
5	0.68	0.71	1.39	0.96	438	479	917	0.91	1.09	1.04
6	0.60	0.66	1.26	0.91	344	345	689	1.00	1.22	1.34
7	0.65	0.82	1.47	0.79	436	509	945	0.86	1.04	1.12
8	0.86	0.90	1.76	0.96	481	455	936	1.06	1.25	1.38
9	0.74	0.70	1.44	1.06	412	292	704	1.40	1.25	1.67
10	0.51	0.66	1.17	0.77	383	338	721	1.13	0.93	1.37
11	0.77	0.90	1.67	0.86	427	438	865	0.98	1.26	1.43
12	1.17	0.91	2.08	1.28	385	466	851	0.83	2.12	1.36
13	0.68	0.74	1.42	0.92	304	558	862	0.54	1.56	0.93
14	0.62	0.67	1.29	0.92	446	456	902	0.98	0.97	1.02
15	0.78	0.84	1.62	0.93	516	537	1053	0.96	1.07	1.09
16	0.41	0.51	0.92	0.80	298	320	618	0.93	0.96	1.11
17	0.36	0.39	0.75	0.92	271	298	569	0.91	0.93	0.92
18	0.48	0.48	0.96	1.00	427	407	834	1.05	0.78	0.83
19	0.79	0.77	1.56	1.03	646	696	1342	0.93	0.85	0.77
20	0.87	0.91	1.78	0.96	626	734	1360	0.85	0.97	0.87
21	0.83	0.97	1.80	0.86	610	687	1297	0.89	0.95	0.99
22	0.52	0.63	1.15	0.82	354	250	604	1.41	1.03	1.76
23	0.56	0.42	0.98	1.33	372	322	694	1.15	1.05	0.91
24	0.97	0.89	1.86	1.09	500	395	895	1.27	1.36	1.58
25	0.74	0.56	1.30	1.32	433	364	797	1.19	1.19	1.08
26	1.16	1.08	2.24	1.07	626	562	1188	1.11	1.29	1.35
27	1.17	1.09	2.26	1.07	413	386	799	1.07	1.98	1.97
28	0.86	0.54	1.40	1.59	391	405	796	0.97	1.53	0.93
29	0.80	0.93	1.73	0.86	609	727	1336	0.84	0.92	0.89
30	0.76	0.66	1.42	1.15	230	199	429	1.15	2.31	2.32
31	0.63	0.76	1.39	0.83	442	390	832	1.13	1.00	1.36
Prom.	0.73	0.76	1.49	0.96	450	457	907	0.99	1.14	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
97	97	97	124	159	117	104	97	83	93.7	322	55	267	0
90	83	41	117	138	110	124	-104	97	87.2	284	00	284	0
28	21	104	117	90	34	41	62	76		∞	- ∞	-	3*
55	55	55	34	- 7	28	41	48	48	59.7	179	- 69	248	1
104	62	76	21	7	14	34	104	97		207	00	207	0*
186	172	186	110	104	117	97	104	69	140.0	252	34	218	0
90	28	14	48	48	76	90	55	62	72.1	272	-179	451	1
90	90	83	83	69	76	76	76	76	76.0	152	- 55	207	1
97	90	104	62	55	48	28	97	90	87.0	179	14	165	0
117	117	104	83	76	62	69	48	41	97.5	259	14	245	0
34	62	90	76	69	48	41	41	41	60.9	193	7	186	0
41	62	104	90	76	41	62	62	55	58.1	179	14	193	1
83	97	97	110	124	83	55	48	55	78.5	207	- 28	235	1
76	83	117	-	-	-	-	-	-		220	- 28	248	1*
62	62	55	55	97	69	41	41	48		193	00	193	0*
104	97	83	97	97	90	97	-110	41		∞	-855	-	3*
62	69	69	69	69	48	69	83	69		152	- 76	228	1*
124	110	110	131	145	124	110	97	83	110.7	259	7	252	0
138	166	110	131	117	97	90	69	62	100.2	284	41	243	0
117	97	124	166	172	138	117	110	76	93.4	345	28	317	0
90	104	110	83	97	69	69	69	62	90.4	179	34	145	0
69	62	124	117	138	131	145	152	124	117.9	272	21	251	0
76	90	124	152	138	110	90	83	83	112.8	272	34	238	0
83	90	90	104	55	104	138	110	104		426	-801	1227	2
14	41	62	83	110	172	166	124	97		∞	- ∞	-	3*
55	69	62	41	55	62	55	55	55		97	00	97	0*
124	104	117	117	90	62	117	145	124	89.4	207	7	200	0
97	124	117	90	69	34	28	48	69	99.8	380	- 7	387	1
-239	± ∞	-124	-124	-124	152	179	117	97		∞	- ∞	-	3*
272	291	246	159	131	124	110	62	41	179.6	437	21	416	0
166	207	259	172	166	138	117	124	97	126.0	316	00	316	0
107.3	109.9	115.0	107.4	103.5	87.3	84.8	82.8	73.2	96.7				

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
2990	3586	6576	0.83	5.40	-
3252	3623	6875	0.90	5.20	14,500
4525	5234	9759	0.86	-	-
1678	2496	4174	0.67	3.38	21,250
-	-	-	-	-	14,750
8582	9198	17780	0.93	5.88	26,250
4931	5117	10048	0.96	3.53	26,500
3588	3158	6746	1.13	4.47	17,750
6906	6652	13558	1.04	4.18	13,000
9977	7832	17809	1.26	3.80	11,000
6147	5214	11361	1.18	3.40	11,500
8148	7101	15249	1.15	4.03	11,000
7216	10690	17906	0.67	3.72	-
10645	11211	21856	0.95	-	-
7820	8749	16569	0.89	-	5,250
10237	11246	21483	0.91	-	35,500
6540	11342	17882	0.58	-	10,500
5591	6878	12469	0.81	3.54	12,000
2924	3664	6588	0.80	5.20	7,750
4623	5081	9704	0.92	5.54	11,250
3289	4187	7276	0.78	5.42	10,500
10641	12627	23268	0.84	4.52	18,000
11326	13157	24483	0.86	4.42	-
6952	10395	17347	0.67	-	7,500
8954	10660	19614	0.84	-	8,000
2280	2878	5158	0.79	-	10,750
6806	7809	14615	0.88	6.74	13,500
12749	14035	26884	0.91	4.67	11,000
7175	8528	15703	0.84	-	7,500
14438	15897	30335	0.91	8.51	22,000
8598	9340	17938	0.92	5.84	15,000
6765	7711	14476	0.88	4.83	14,365

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	0.80	1.09	1.06	0.98	0.96	0.92	0.87	0.78	0.61	0.88	0.94	0.86
2	0.65	1.01	1.15	1.01	1.01	1.13	0.91	0.70	0.83	0.83	0.90	0.88
3	0.52	0.72	0.69	0.85	0.57	0.50	0.72	0.80	0.37	0.58	0.76	0.57
4	0.25	0.17	0.82	0.58	0.77	0.64	0.69	0.71	0.54	0.87	0.96	0.87
5	1.13	1.20	1.20	0.79	0.88	0.99	1.51	0.89	0.73	0.56	0.49	0.51
6	0.55	0.82	-	-	-	1.42	1.31	0.42	0.59	0.61	0.54	0.55
7	0.30	0.70	0.82	0.98	0.84	1.03	1.23	0.53	0.44	0.47	0.44	0.51
8	0.85	1.07	0.99	1.14	0.99	0.89	0.76	0.70	0.82	0.90	0.85	0.82
9	0.82	0.84	0.77	0.93	0.96	1.00	1.04	0.97	0.96	0.86	0.68	0.75
10	0.33	0.41	0.43	0.46	0.47	0.39	0.41	0.47	0.61	0.65	0.73	0.59
11	-	-	-	-	-	-	-	0.89	0.65	0.56	0.66	0.93
12	0.70	0.92	0.74	0.86	-	-	-	1.30	1.37	1.33	1.15	1.15
13	-	-	-	-	-	-	-	0.74	0.74	0.54	0.62	0.94
14	0.49	0.49	0.44	0.33	0.42	0.49	0.52	0.75	0.72	0.60	0.54	0.65
15	0.66	0.82	0.92	0.86	0.31	0.52	0.60	0.66	0.75	0.98	0.77	1.11
16	0.72	0.79	0.64	0.56	0.55	0.28	0.36	0.31	0.29	0.43	0.45	0.48
17	0.68	0.69	0.34	0.23	0.21	0.20	0.34	0.24	0.46	0.51	0.50	0.31
18	0.18	0.29	0.60	0.47	0.78	0.57	0.47	0.58	0.54	0.33	0.59	0.47
19	0.86	1.08	0.81	0.72	0.74	0.91	0.86	0.99	0.67	0.71	0.81	0.84
20	1.03	1.13	1.13	0.97	1.00	1.08	1.06	0.99	0.91	0.97	0.66	0.77
21	1.10	1.08	-	-	-	-	-	-	0.64	0.78	0.68	0.69
22	0.85	0.79	0.39	0.61	0.79	0.71	-	0.69	0.60	0.48	0.43	0.46
23	-	-	-	-	-	-	-	-	-	-	0.71	0.20
24	0.68	0.78	1.33	0.72	1.28	1.55	1.82	1.78	1.39	0.78	0.55	0.56
25	0.51	0.58	0.55	0.42	0.65	0.62	-	-	-	0.42	0.19	0.27
26	1.61	1.59	1.76	2.11	1.84	1.22	-	-	-	0.82	1.14	0.92
27	1.05	1.18	1.29	1.10	1.07	1.10	0.95	1.10	1.14	1.02	1.68	1.27
28	-	-	-	-	-	-	-	0.83	0.70	0.98	0.99	-
29	-	-	-	-	-	-	-	1.08	1.11	0.95	1.00	1.03
30	0.54	0.51	0.62	0.67	0.48	0.37	0.50	-	0.96	0.69	0.78	1.00
31	0.61	0.70	-	-	-	-	-	0.40	0.83	0.57	0.68	0.87
Promedio	0.71	0.83	0.85	0.80	0.80	0.81	0.85	0.78	0.75	0.72	0.74	0.73

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	1.14	1.30	1.25	1.10	1.17	1.05	0.96	0.92	0.95	0.99	1.09	1.07
2	0.93	1.00	1.07	1.32	1.15	1.18	0.95	0.97	0.95	0.92	1.12	1.14
3	0.69	0.82	0.79	0.96	0.76	0.55	0.70	0.78	0.45	0.65	0.83	0.60
4	0.33	0.20	0.95	0.85	0.70	0.66	0.79	0.42	0.62	0.86	1.12	1.03
5	1.25	1.37	1.17	0.82	0.81	0.70	1.01	0.82	0.74	0.62	0.50	0.60
6	0.47	0.51	-	-	-	1.50	1.53	0.54	0.58	0.67	0.62	0.64
7	0.43	0.79	0.99	1.05	1.00	1.10	1.23	0.55	0.55	0.60	0.62	0.57
8	1.07	1.13	1.02	1.23	1.15	1.18	0.80	0.76	0.74	0.91	0.84	0.93
9	0.58	0.60	0.68	0.84	0.93	0.78	0.83	0.71	0.84	0.94	0.75	0.78
10	0.40	0.60	0.44	0.53	0.57	0.41	0.34	0.51	0.80	0.75	0.75	0.82
11	-	-	-	-	-	-	-	0.91	0.72	0.65	0.94	1.09
12	0.84	0.97	0.85	0.91	-	-	-	0.84	1.02	0.93	0.84	0.91
13	-	-	-	-	-	-	-	0.76	0.79	0.68	0.69	0.97
14	0.53	0.55	0.59	0.37	0.49	0.56	0.65	0.65	0.76	0.69	0.58	0.74
15	0.70	0.87	1.00	0.74	0.37	0.62	0.53	0.67	0.76	1.07	0.95	1.12
16	0.72	0.96	0.67	0.69	0.69	0.40	0.51	0.51	0.67	0.52	0.42	0.55
17	0.60	0.69	0.43	0.25	0.25	0.25	0.32	0.25	0.51	0.51	0.40	0.30
18	0.21	0.29	0.59	0.43	0.66	0.45	0.40	0.51	0.53	0.34	0.55	0.51
19	0.74	1.00	0.68	0.56	0.51	0.79	0.67	0.92	0.76	0.77	0.86	0.94
20	1.05	0.96	1.17	1.28	1.18	0.92	0.98	0.96	1.15	1.05	0.76	0.91
21	1.20	1.39	-	-	-	-	-	-	0.96	0.93	0.91	0.84
22	1.04	0.89	0.73	0.98	0.60	0.52	-	0.65	0.58	0.60	0.51	0.55
23	-	-	-	-	-	-	-	-	-	0.56	-	0.41
24	0.65	0.66	0.64	0.47	1.18	0.60	1.34	1.42	1.03	0.68	0.48	0.65
25	0.60	0.60	0.50	0.55	0.90	0.78	-	-	0.35	0.51	0.20	0.16
26	1.02	1.13	1.08	1.41	1.15	1.33	-	-	-	1.16	1.23	1.04
27	1.13	1.18	1.29	1.07	1.12	1.04	0.95	1.12	1.04	1.13	0.89	-
28	-	-	-	-	-	-	-	0.54	0.48	0.63	0.51	-
29	-	-	-	-	-	-	-	1.17	1.24	1.24	1.19	1.09
30	0.78	0.74	0.69	0.90	0.78	0.60	0.77	-	0.73	0.60	0.83	0.58
31	0.65	0.72	-	-	-	-	-	-	0.90	0.79	0.96	1.08
Promedio	0.76	0.84	0.84	0.84	0.82	0.78	0.81	0.75	0.77	0.77	0.76	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
0.75	0.91	0.94	0.93	1.01	0.91	0.64	0.61	0.44	0.50	0.49	0.54	0.81
1.02	1.02	0.93	1.05	1.00	0.86	0.73	0.47	0.43	0.38	0.58	0.57	0.84
0.78	1.09	0.67	0.88	0.87	0.65	0.42	0.18	0.10	0.37	0.71	0.54	0.62
0.97	1.01	1.12	1.02	0.97	1.09	1.06	1.03	0.63	0.83	0.88	1.09	0.82
0.46	0.56	0.57	0.49	0.43	0.43	0.46	0.43	0.30	0.42	0.39	0.60	0.68
0.54	0.61	0.71	0.56	0.43	0.39	0.39	0.37	0.32	0.42	0.50	0.50	0.60
0.40	0.56	0.48	0.78	0.53	0.52	0.86	0.62	0.57	-	-	-	0.65
0.90	0.81	0.72	0.86	0.84	0.97	0.87	0.82	0.75	0.86	0.68	0.88	0.86
0.61	0.76	0.94	0.84	0.67	0.89	0.51	0.62	0.37	0.42	0.38	0.28	0.74
0.86	0.71	0.66	0.66	0.81	0.79	0.76	0.55	0.49	-	-	-	0.51
0.89	0.87	0.92	0.83	0.75	0.81	0.49	0.44	1.01	0.92	0.79	0.66	0.77
1.24	1.40	1.37	1.42	1.34	1.78	0.87	0.99	-	-	-	-	1.17
0.77	0.93	0.76	0.76	0.70	0.67	0.61	0.52	0.43	0.64	0.54	0.58	0.68
0.68	0.69	0.81	0.89	0.81	0.74	0.63	0.50	0.46	0.76	0.79	0.76	0.62
0.96	1.03	0.94	0.80	0.66	0.79	0.77	0.56	0.57	0.76	0.89	0.94	0.78
0.34	0.35	0.29	0.41	0.45	0.46	0.36	0.24	0.25	0.16	0.34	0.31	0.41
0.33	0.47	0.43	0.43	0.20	0.20	0.35	0.38	0.27	0.34	0.31	0.24	0.36
0.34	0.47	0.57	0.82	0.56	0.54	0.40	0.25	0.25	0.35	0.58	0.53	0.48
0.73	1.08	1.14	0.82	0.58	0.52	0.40	0.40	0.28	0.79	1.06	1.16	0.79
0.97	1.08	0.83	0.72	0.55	1.04	0.48	0.42	0.29	0.36	0.92	1.21	0.87
0.89	0.94	0.94	0.99	0.93	0.84	0.69	0.19	0.58	0.96	1.06	1.03	0.83
0.54	0.44	0.41	0.41	0.50	0.55	0.36	0.46	0.33	0.23	0.49	-	0.52
0.64	0.40	0.74	0.52	0.59	0.97	0.68	0.37	-	0.40	0.54	0.61	0.56
1.01	1.03	-	-	-	1.38	-	0.72	0.55	0.60	0.49	0.46	0.97
0.79	0.98	1.25	0.70	0.57	0.79	0.69	0.72	0.90	1.14	1.31	1.51	0.74
0.89	0.89	0.89	0.86	0.91	0.85	0.94	0.84	1.03	1.10	1.03	1.09	1.16
-	-	-	-	-	-	-	-	-	-	-	-	1.17
-	-	-	-	-	-	-	-	-	-	-	-	0.86
0.96	0.96	0.74	0.55	0.94	0.76	0.64	0.46	0.61	0.55	0.73	0.54	0.80
0.87	0.78	0.73	0.88	0.69	0.73	0.92	1.14	0.93	1.01	0.87	0.80	0.76
0.85	0.62	0.72	0.63	0.52	0.49	0.75	0.73	0.61	0.52	0.38	0.51	0.63
0.76	0.81	0.77	0.74	0.68	0.77	0.61	0.55	0.49	0.61	0.68	0.69	0.73

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
0.91	1.02	1.00	0.92	1.00	0.91	0.45	0.67	0.49	0.59	0.57	0.67	0.92
1.22	1.12	0.97	1.12	1.02	1.08	0.60	0.57	0.53	0.53	0.69	0.67	0.95
0.37	0.72	1.13	1.00	1.10	0.80	0.39	0.29	0.13	0.51	0.65	0.69	0.68
1.05	1.07	1.19	1.12	1.08	1.13	1.00	0.98	0.93	0.94	0.98	1.23	0.88
0.60	0.72	0.72	0.51	0.51	0.55	0.51	0.49	0.44	0.46	0.49	0.55	0.71
0.65	0.74	0.84	0.62	0.49	0.46	0.44	0.42	0.40	0.53	0.60	0.60	0.66
0.46	0.56	0.90	0.76	0.76	0.81	0.96	1.00	1.45	-	-	-	0.82
0.93	0.93	0.73	0.98	0.85	0.92	0.79	0.72	0.79	0.69	0.70	0.77	0.90
0.71	0.83	1.12	0.92	0.75	0.49	0.52	0.58	0.46	0.49	0.42	0.27	0.70
0.86	0.79	0.82	0.70	0.91	0.84	0.90	0.58	0.60	-	-	-	0.66
1.09	1.04	1.12	1.02	0.85	0.89	0.59	0.81	1.05	0.89	0.86	0.86	0.90
0.84	1.02	0.92	0.92	0.86	0.92	1.11	0.71	-	-	-	-	0.91
0.80	1.07	0.86	0.86	0.87	0.82	0.71	0.46	0.44	0.62	0.56	0.60	0.74
0.84	0.73	0.82	0.91	0.84	0.71	0.57	0.53	0.53	0.76	0.85	0.81	0.67
1.04	1.12	1.02	1.09	0.82	0.87	0.77	0.56	0.73	0.88	0.95	0.88	0.84
0.44	0.46	0.32	0.47	0.57	0.55	0.41	0.29	0.36	0.38	0.31	0.42	0.51
0.37	0.55	0.51	0.42	0.25	0.28	0.35	0.44	0.32	0.37	0.35	0.29	0.39
0.36	0.54	0.75	0.74	0.58	0.56	0.40	0.32	0.32	0.44	0.53	0.51	0.48
0.74	1.07	1.10	0.62	0.58	0.51	0.44	0.49	0.39	0.95	1.02	1.36	0.77
1.02	1.20	0.85	0.83	0.59	0.87	0.53	0.42	0.40	0.53	0.94	1.28	0.91
1.02	1.04	1.12	1.04	0.83	0.93	0.78	0.38	0.74	1.08	1.18	1.17	0.97
0.53	0.69	0.51	0.57	0.63	0.59	0.32	0.47	0.36	0.36	0.77	1.00	0.63
-	0.35	0.56	0.13	0.44	0.44	0.50	-	0.41	0.47	0.47	0.68	0.42
1.18	2.00	-	-	1.55	1.20	0.83	0.75	0.65	0.58	0.53	0.53	0.89
0.47	0.82	1.00	0.65	0.33	0.42	0.51	0.42	0.46	0.57	0.71	0.87	0.56
1.03	0.94	1.04	0.89	0.96	0.95	0.91	0.99	1.10	1.14	1.00	1.13	1.08
-	-	-	-	-	-	-	-	-	-	-	-	1.09
-	-	-	-	-	-	-	-	-	-	-	-	0.54
0.85	1.05	0.78	1.27	0.56	0.96	0.74	1.07	0.60	0.63	0.67	0.77	0.93
0.47	0.44	0.51	0.51	0.47	0.47	0.63	0.83	0.75	0.75	0.71	0.69	0.66
0.98	0.69	0.67	0.68	0.56	0.58	0.85	0.86	0.71	0.65	0.63	0.69	0.76
0.78	0.87	0.85	0.80	0.74	0.74	0.64	0.61	0.59	0.65	0.70	0.77	0.76

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

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	521	608	608	521	521	521	521	521	608	707	707	608
2	434	608	608	608	608	608	608	521	782	707	707	707
3	434	434	347	434	347	260	521	521	521	521	521	347
4	434	608	434	608	478	347	434	434	521	565	707	707
5	707	707	707	478	521	434	434	695	782	707	521	434
6	260	260	260	174	174	434	521	521	608	521	434	434
7	434	478	521	521	608	434	390	260	434	260	347	347
8	521	521	521	521	521	434	347	434	521	608	608	608
9	347	347	347	434	347	347	434	608	608	782	608	521
10	260	260	347	260	347	260	347	347	434	608	608	608
11	390	390	390	347	347	390	434	521	608	521	608	608
12	260	434	347	434	434	434	434	347	565	608	521	521
13	347	347	434	434	260	260	434	391	521	434	-	-
14	260	260	260	174	260	347	434	707	707	521	521	521
15	434	521	608	434	347	347	434	570	782	868	868	782
16	521	521	434	434	304	260	260	260	174	347	260	260
17	521	347	434	174	174	174	174	174	347	347	347	347
18	260	521	347	608	608	521	521	521	434	521	390	570
19	782	868	707	707	707	608	521	707	707	782	782	782
20	782	782	868	912	608	707	434	608	608	608	782	782
21	782	707	707	782	782	608	608	608	608	868	707	608
22	608	608	434	434	434	347	521	608	347	260	260	347
23	260	174	260	260	260	260	86	347	174	260	347	608
24	608	521	434	434	871	390	868	868	707	347	86	260
25	260	217	260	174	260	260	707	434	348	707	347	390
26	608	707	608	868	608	707	608	608	707	909	868	782
27	521	608	608	521	478	434	347	390	707	608	521	434
28	174	174	174	174	304	174	260	347	304	707	707	608
29	782	955	707	782	782	707	608	707	868	825	782	868
30	174	174	174	174	174	260	260	521	347	347	226	174
31	347	608	521	521	521	434	695	782	707	451	608	174
Promedio	453	493	465	463	451	410	458	513	551	575	544	525

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	526	602	676	526	602	451	451	602	828	976	976	752
2	376	526	602	602	526	676	526	602	976	905	752	752
3	376	376	312	312	312	226	226	451	526	526	451	376
4	676	676	676	526	451	676	676	602	451	451	752	676
5	676	828	752	451	451	451	451	789	1052	828	602	526
6	150	150	150	75	75	376	376	602	828	676	602	451
7	150	414	602	526	602	312	312	226	451	376	376	451
8	526	526	376	602	676	898	526	376	451	602	752	676
9	150	150	150	226	226	150	226	451	526	752	602	451
10	226	226	150	150	312	226	226	312	376	752	676	676
11	188	226	226	344	312	376	376	602	828	828	752	676
12	312	376	312	376	376	376	312	419	905	905	752	602
13	376	344	376	344	226	226	312	-	-	-	752	1052
14	312	376	312	312	312	344	312	376	905	752	526	602
15	376	451	526	376	226	226	312	494	898	1188	1120	905
16	376	376	376	376	376	312	312	226	494	339	226	226
17	451	451	269	419	312	376	312	-	-	-	-	300
18	150	376	451	451	376	312	312	226	376	676	602	526
19	564	752	790	602	526	451	312	564	1052	1250	1120	1120
20	905	826	905	864	789	840	602	826	1120	1250	1120	1052
21	828	905	905	905	790	602	676	676	867	1012	864	602
22	414	312	226	226	226	226	226	263	226	226	312	312
23	150	150	226	226	150	312	226	150	150	150	376	676
24	226	312	312	226	-	-	-	828	526	312	150	312
25	150	150	150	226	150	150	-	-	782	526	312	226
26	451	526	451	752	451	526	312	312	452	1120	1052	905
27	451	602	376	312	344	312	226	715	676	526	602	602
28	150	150	150	150	226	226	226	150	263	828	905	828
29	526	905	752	1008	828	676	451	676	1074	1250	1120	1120
30	226	226	150	226	150	226	150	75	150	344	226	226
31	75	150	526	312	376	376	312	532	828	676	451	602
Promedio	371	433	426	420	392	397	354	469	656	724	663	621

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	707	608	608	707	707	434	347	260	260	260	347	538
707	608	521	608	521	260	260	260	260	260	260	347	516
347	651	608	1148	976	521	521	434	347	174	217	347	479
707	608	608	608	608	608	478	347	434	434	434	608	532
347	347	347	260	347	434	347	260	174	174	174	174	438
434	434	434	347	347	260	174	174	174	260	347	260	344
260	521	478	521	434	434	608	347	434	521	434	434	436
608	608	434	521	521	521	434	347	347	347	347	347	481
521	521	521	434	347	347	260	260	174	260	260	260	412
608	478	347	474	434	434	347	260	260	174	347	347	383
521	521	521	434	434	434	347	260	376	318	260	260	427
434	347	347	347	434	347	260	260	260	260	260	347	385
-	-	-	174	86	174	260	174	174	260	260	347	304
521	521	608	608	521	521	347	260	347	434	521	521	446
707	608	608	478	260	347	347	260	347	478	521	434	516
174	347	260	260	174	174	174	174	174	260	304	638	298
347	260	347	260	260	260	260	174	174	260	174	174	271
434	521	608	521	521	434	260	86	174	260	260	347	427
631	782	707	608	707	347	347	347	347	521	707	782	646
782	707	608	521	608	521	347	260	260	347	707	868	626
608	707	707	608	521	608	521	86	348	608	608	347	610
347	260	260	174	347	347	260	260	260	260	260	260	354
608	608	608	608	608	434	260	260	260	347	521	521	372
738	868	868	608	521	434	434	260	260	260	174	174	500
526	304	312	608	521	434	347	347	608	707	707	608	433
707	608	521	608	434	434	521	434	434	565	565	608	626
434	521	608	260	260	347	347	260	174	174	174	174	413
806	782	521	521	521	434	260	260	260	347	260	304	391
707	707	608	434	707	521	434	260	260	260	174	174	609
86	260	260	260	260	260	260	174	174	174	174	174	230
451	608	434	226	226	174	174	260	260	260	451	707	442
527	544	508	473	457	404	343	263	284	330	359	395	450

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
828	752	602	526	526	526	226	312	226	312	226	312	556
676	526	451	526	451	312	150	312	226	226	226	312	509
312	676	-	895	905	526	312	526	451	451	489	526	458
676	602	602	526	526	451	312	376	451	451	451	602	555
451	376	312	312	451	526	376	226	150	150	150	150	479
451	526	526	376	376	376	226	150	150	226	226	150	345
376	676	602	526	895	1023	676	752	312	526	526	526	509
526	602	376	451	376	312	226	226	226	226	150	226	455
376	312	376	312	150	150	226	226	226	226	226	150	292
676	526	451	376	376	312	226	226	188	150	150	150	338
526	564	526	376	376	451	312	312	376	344	312	312	438
526	526	451	376	414	376	312	526	451	451	376	376	466
1052	1052	905	828	676	602	564	451	451	312	451	376	558
526	602	676	639	602	451	150	226	344	376	451	451	456
676	602	602	526	526	526	312	226	376	526	526	376	537
226	376	376	376	312	312	312	226	226	226	376	-	320
312	312	376	312	312	312	226	226	150	226	150	150	298
602	752	714	602	602	451	312	150	150	226	150	226	407
976	828	752	676	602	526	376	376	376	602	752	752	696
905	828	676	602	714	526	312	226	226	226	526	752	734
752	752	676	676	526	602	376	526	602	526	526	312	687
226	226	226	312	376	312	226	226	226	150	150	150	250
602	676	676	602	526	226	226	312	226	226	312	226	322
974	940	676	451	376	376	312	312	226	150	150	150	395
451	526	976	828	526	451	312	150	150	150	300	376	364
752	828	602	602	376	376	312	376	376	451	526	602	562
676	782	312	312	312	226	150	150	150	150	150	150	386
828	752	526	602	526	451	312	312	312	312	312	226	405
976	828	752	976	976	676	602	376	226	226	226	226	727
226	312	312	226	269	312	226	150	150	75	75	75	199
602	602	602	526	376	312	226	150	150	150	150	312	390
604	621	556	524	495	431	304	300	275	291	315	323	457

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

Día \ Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	2690	1795	1795	1795	1795	2690	2690	2690	1795	1795	1795	2690
2	2690	1795	1795	1795	1795	1795	2690	2690	4490	1795	898	1795
3	4490	3585	3585	2690	2690	4490	4490	2690	5380	4490	1795	4490
4	1795	1795	898	898	898	4490	2690	1795	1795	1795	898	898
5	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	4490	5380	6295	7180
7	8950	6295	8060	1795	8060	3585	2690	5380	5380	6295	8060	8950
8	898	898	898	898	898	1795	3585	1795	1795	1795	2690	-
9	4490	3585	4490	2690	3585	6290	4490	4490	3585	2690	4490	3585
10	18870	11690	6295	16130	8950	17950	11690	6295	13430	-	3585	-
11	4490	7180	4490	8950	8060	17050	-	-	-	-	7180	2690
12	10770	3585	-	4490	5380	6295	9860	4490	3585	13430	13430	2690
13	7180	6295	5380	5380	5380	8060	11690	8060	4490	6295	1795	898
14	13430	12590	16130	14350	14350	17050	8950	-	9860	12590	9860	5380
15	7180	5380	4490	5380	11690	8950	10770	11690	5380	3585	2690	3585
16	6295	6295	8060	8060	5380	10770	26900	22400	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	7180	1795
18	12590	2690	1795	-	-	898	2690	1795	3585	4490	3585	6295
19	2690	898	898	898	1795	2690	2690	2690	1795	-	2690	2690
20	1795	2690	1795	898	1795	2690	2690	2690	2690	1795	1795	2690
21	2690	1795	2690	2690	2690	2690	3585	3585	3585	4490	7180	7180
22	3585	3585	5380	7180	8060	9860	12590	8950	8060	13430	11690	10770
23	14350	15250	15250	16130	23360	24200	26900	28730	10770	14350	7180	2690
24	8060	4490	5380	5380	2690	898	1795	2690	3585	8060	11690	15250
25	20350	20350	20700	20700	22400	24200	2690	3585	1795	12590	18870	5380
26	898	898	1795	898	1795	1795	1795	1795	1795	1795	2690	2690
27	2690	1795	1795	2690	2690	2690	3585	2690	2690	4490	6295	6295
28	14350	16130	18870	17050	17050	17050	17950	20350	12590	4490	3585	3585
29	-	-	-	-	-	-	-	3585	3585	3585	3585	4490
30	17950	18870	17950	17950	17950	16130	17950	17950	22400	10770	12590	11690
31	15250	8060	3585	3585	3585	4490	6295	7180	2690	4490	5380	7180
Promedio	7832	6306	6317	6590	7107	8205	7938	7028	5447	6030	5912	4839

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

Día \ Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	2690	2690	2690	2690	2690	2690	2690	2690	1795	1795	1795	2690
2	3585	2690	2690	1795	1795	2690	3585	3585	2690	2690	1795	1795
3	4490	4490	3585	3585	4490	3585	5380	5380	6295	4490	4490	7180
4	1795	1795	1795	4490	4490	2690	2690	2690	2690	1795	1795	1795
5	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	4490	6295	7180	8060
7	8950	3585	2690	2690	2690	3585	4490	7180	9860	8060	8950	8060
8	1795	1795	1795	1795	898	2690	2690	2690	2690	2690	2690	2690
9	4490	4490	4490	3585	3585	3585	4490	4490	3585	3585	4490	5380
10	12590	9860	8060	8060	7180	9860	13430	8060	6295	-	3585	-
11	4490	4490	6295	4490	8060	6295	-	-	4490	5380	8950	2690
12	6295	8060	-	8060	4490	4490	9860	6295	5380	4490	7180	6295
13	8950	8060	6295	5380	8950	11690	13430	16130	6295	23360	-	5380
14	16130	15250	17950	17050	15250	13430	16130	9860	11690	11690	8060	8060
15	6295	5380	6295	8950	12590	11690	10770	6295	5380	3585	4490	3585
16	7180	8950	9860	6295	7180	12590	22400	29600	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	12590	8950
18	14350	4490	4490	3585	3585	4490	3585	6295	6295	6295	5380	8060
19	1795	1795	1795	2690	2690	2690	4490	2690	2690	-	3585	2690
20	2690	1795	1795	2690	2690	3585	3585	2690	2690	2690	2690	2690
21	2690	2690	3585	2690	3585	4490	4490	5380	5380	4490	9860	7180
22	5380	5380	6295	8060	9860	11690	15250	8060	15250	13430	11690	13430
23	16130	17050	17950	17950	27800	27800	29600	28730	11690	13430	7180	3585
24	8060	5380	7180	5380	3585	2690	2690	3585	6295	13430	16130	8950
25	23360	24200	24200	24200	23360	30580	2690	6295	5380	16130	20700	3585
26	1795	1795	1795	898	1795	1795	2690	1795	1795	3585	2690	3585
27	2690	1795	2690	2690	2690	2690	3585	3585	4490	7180	8060	7180
28	16130	17950	21520	20700	17950	20350	20350	21520	8950	5380	5380	3585
29	-	-	-	-	-	-	-	3585	3585	3585	5380	5380
30	20700	20350	20350	18870	17950	20350	18850	26000	17050	10770	12590	11690
31	17950	7180	3585	3585	4490	4490	8060	3585	3585	4490	7180	8060
Promedio	8276	7164	7374	7144	7643	8491	8921	8472	6027	7107	7019	5795

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
898	898	898	898	898	898	2690	8950	7180	6295	8060	7180	2990
898	898	898	898	898	1795	7180	10770	8060	8060	6295	5385	3252
4490	15250	1795	1795	1795	2690	5380	6295	11690	7180	2690	2690	4525
898	898	898	898	898	1795	1795	1795	3585	2690	1795	-	1678
-	-	-	-	-	-	-	-	-	-	-	-	-
6295	7180	5380	11690	9860	10770	10770	10770	14350	9860	7180	9860	8582
7180	4490	8060	4490	3585	4490	1795	2690	3585	1795	898	1795	4931
2690	7180	4490	-	5380	2690	3585	2690	17050	3585	8060	3585	3588
10770	4490	10770	3585	3585	6295	20350	8060	11690	12590	9860	15250	6906
-	-	11690	5380	7180	-	-	7180	-	8060	8060	7180	9977
1795	2690	2690	2690	3585	4490	7180	8060	6295	12590	6295	4490	6147
6295	4490	5380	8950	10770	5380	7180	9860	16130	8060	17050	9860	8148
898	898	-	1795	2690	3585	8950	8060	18870	17950	16130	15250	7216
7180	15250	4490	2690	3585	8060	13430	14350	17050	9860	7180	7180	10645
2690	2690	2690	3585	10770	8060	11690	20700	18870	11690	7180	6295	7820
-	-	6295	5380	8060	8950	-	-	-	-	-	-	10237
898	1795	898	8950	6295	5380	6295	7180	9860	9860	12590	12590	6540
7180	4490	2690	4490	4490	4490	8060	12590	11690	8950	7180	6295	5591
898	898	898	3585	4490	4490	7180	8950	7180	2690	1795	1795	2924
898	1795	1795	2690	1795	3585	14350	14350	17050	20350	3585	2690	4623
4490	2690	2690	3585	3585	3585	3585	898	1795	2690	1795	2690	3289
9860	9860	12590	9860	6295	8950	14350	17950	17050	20350	13430	11690	10641
1795	1795	1795	1795	2690	8060	9860	11690	9860	10770	8060	4490	11326
6295	1795	2690	1795	3585	8950	8060	10770	9860	11690	14350	17050	6952
2690	1795	3585	3585	3585	4490	5380	6295	4490	2690	1795	898	8954
2690	2690	1795	2690	1795	4490	3585	3585	3585	2690	2690	1795	2280
7180	5380	5380	9860	10770	9860	11690	10770	11690	14350	12590	13450	6806
2690	-	-	-	-	-	-	-	-	-	-	-	12749
3585	3585	3585	2690	3585	4490	12590	8060	12590	16130	16130	16130	7175
9860	10770	9860	10770	11690	12590	12590	12590	14350	12590	14350	14350	14438
8950	7180	6295	8060	11690	12590	14350	14350	14350	16130	15250	5380	8598
4390	4586	4392	4612	5168	5927	8663	9295	11104	9721	8297	7676	6765

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
2690	1795	1795	1795	1795	1795	7180	8060	8060	8060	8950	4490	3586
1795	1795	1795	1795	1795	2690	8950	6295	8950	8950	5380	5380	3623
11690	9860	1795	1795	1795	1795	4490	10770	16130	3585	2690	1795	5234
1795	898	1795	1795	1795	3585	3585	4490	2690	3585	898	-	2496
-	-	-	-	-	-	-	-	-	-	-	-	-
7180	8060	7180	12590	12590	10770	9860	11690	14350	8950	8060	9860	9198
8950	5380	6295	6295	4490	4490	2690	3585	2690	2690	1795	2690	5117
3585	2690	8060	2690	2690	-	3585	3585	4490	4490	5380	4490	3158
5380	4490	3585	4490	4490	5380	8950	17050	17050	11690	13430	13430	6652
-	-	8950	3585	2690	4490	8060	9860	-	8950	8060	7180	7832
2690	3585	2690	3585	4490	4490	6295	-	6295	6295	5380	8060	5214
6295	6295	5380	6295	5380	7180	13430	6295	8950	8950	11690	6295	7101
5380	4490	6295	6295	8060	6295	10770	11690	13430	20700	20700	17850	10690
8950	7180	5380	3585	3585	8060	15250	17950	12590	9860	8060	8060	11211
3585	3585	3585	11690	10770	8950	15250	22400	18870	9860	7180	8950	8749
-	9860	7180	6295	8950	9860	-	-	-	-	-	-	11246
8060	8060	7180	12590	9860	9860	10770	13430	14350	12590	15250	15250	11342
6295	5380	3585	5380	4490	5380	11690	15250	9860	8950	8060	9860	6878
1795	1795	1795	3585	5380	7180	8950	8950	7180	2690	1795	3585	3664
2690	1795	2690	2690	2690	3585	13430	18870	24200	9860	3585	3585	5081
4490	2690	3585	3585	6295	4490	4490	898	4490	3585	1795	3585	4187
11690	15250	11690	10770	7180	12590	18870	21520	21520	20350	12590	15250	12627
2690	1795	1795	1795	3585	11690	14350	10770	16130	11690	8950	13430	13157
4490	4490	4490	5380	17950	18870	22400	13430	18870	14350	20700	20700	10395
4490	2690	3585	3585	4490	6295	8060	6295	5380	2690	1795	1795	10660
2690	2690	3585	2690	5380	4490	4490	4490	4490	2690	2690	2690	2878
8060	5380	5380	13430	10770	12590	13430	12590	13430	14350	13430	15250	7809
2690	-	-	-	-	-	-	-	-	-	-	-	14035
5380	3585	3585	2690	6180	7180	12590	12590	13430	17950	17950	20350	8528
12590	12590	12590	12590	11690	14350	13430	13430	14350	16130	16130	16130	15897
8950	8060	6295	9860	11690	13430	16130	16130	16130	26900	10770	3585	9340
5608	5222	4951	5696	6310	7565	10408	11199	11791	10050	8684	9022	7711

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	- 1.4	1.7	1.7	- 1.4	3.4	- 1.4	- 2.7	- 5.4	- 2.7	6.9	5.2	6.9	- 1.4
2	5.2	- 1.4	- 1.4	1.7	1.7	- 1.4	- 2.7	- 9.5	- 5.4	- 1.4	3.4	1.7	1.7
3	1.7	1.7	1.7	- 1.4	3.4	-	-	-	- 1.4	8.6	6.9	3.4	- 1.4
4	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-
6	8.6	12.0	12.0	15.4	18.6	10.3	6.9	5.2	8.6	15.4	18.9	24.0	20.6
7	18.9	22.3	22.3	18.9	25.8	24.0	22.3	-	-	-	-	-	-
8	29.2	30.9	29.2	32.7	36.0	30.9	29.2	29.2	32.7	37.8	34.3	39.5	36.0
9	36.0	36.0	34.3	37.8	41.2	36.0	34.3	32.7	34.3	39.5	32.7	37.8	41.2
10	36.0	37.8	37.8	36.0	41.2	36.0	34.3	32.7	37.8	37.8	32.7	37.8	39.5
11	32.7	39,5	39.5	39.5	41.2	32.7	34.3	30,9	32.7	37.8	37.8	41.2	43.0
12	36.0	39,5	39.5	36.0	32.7	32.7	32,7	30,9	32,7	37.8	34,3	36.0	37.8
13	36.0	37.8	37.8	34.3	37.8	34.3	30.9	29.2	30,9	37.8	34.3	32.7	30.9
14	41.2	36.0	34.3	32.7	32.7	32.7	32.7	32,7	34.3	41.2	41.2	27.4	29.2
15	39.5	32.7	34.3	36.0	34.3	30.9	20.6	29.2	32.7	41.2	32.7	32.7	30.9
16	34.3	30.9	30.9	30.9	37.8	32.7	30.9	25.8	32.7	32.7	30.9	34.3	34.3
17	44.7	41.2	41.2	43.0	49.8	43.0	39.5	39.5	41.2	39.5	39.5	30.9	29,2
18	37.8	34.3	32,7	34.3	36.0	29.2	24.0	25.8	30.9	37,8	32,7	34.3	30,9
19	27.4	30.9	29.2	29.2	30.9	24.0	24,0	20.6	30,9	30,9	25,8	32,7	29.2
20	-	-	-	-	-	-	30.9	25.8	27.4	34.3	36.0	39.5	30.9
21	32.7	30,9	30.9	29.2	30.9	30.9	29.2	25.8	27.4	32.7	32.7	34.3	29.2
22	27.4	29.2	30.9	27.4	27.4	30.9	24.0	20.6	25.8	29.2	30.9	29.2	30.9
23	27.4	29.2	29.2	29,2	29.2	25.8	25.8	24.0	22.3	22,3	25.8	30.9	24.0
24	27.4	25.8	25,8	29.2	25,8	22,3	17,3	18.9	24.0	27,4	22,3	27,4	25,8
25	27.4	24.0	25.8	25.8	30.9	20.6	17.2	24.0	32.7	32.7	30.9	30.9	27.4
26	24.0	25.8	22,3	22.3	24.0	22.3	15.4	15.4	22,3	29.2	24.0	27.4	22.3
27	18.9	20.6	20.6	20.6	24.0	15.4	17.2	15.4	20.6	24,0	25,8	24.0	22,3
28	24.0	20,6	20.6	18,9	15,4	22.3	18.9	18.9	18.9	24,0	29,2	22,3	17.2
29	20.6	17.2	18.9	17.2	20.6	18.9	17,2	12.0	13,8	17,2	17.2	20,6	18.9
30	24.0	24.0	20.6	22.3	29.2	17.2	20,6	17.2	15,4	15,4	15.4	17.2	22.3
31	24.0	20.6	24.0	17.2	17.2	13.8	10.3	8.6	15.4	15.4	15.4	18.9	17.2
Prom	26.5	26.1	26.0	25.5	27.8	24.7	22.7	21.3	23.9	28.0	26.7	27.7	25.7
Var.	1.4	1.0	0.9	0.4	2.7	- 0.4	- 2.4	- 3.8	- 1.2	2.9	1.6	2.6	0.6

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	-18.6	-17.3	-16,0	-21.3	-20.0	-21.3	-16.0	-16.0	-20,0	-18.6	-18.6	-20.0	-20.0
2	-14.6	-13.3	-13.3	-18.6	-20.0	-18.6	-16.0	-16.0	-18.6	-17.3	-20,0	-18.6	-17.3
3	-14.6	-13.3	-13.3	-18.6	-10.6	-	-	-	-16.0	-16.0	-17.3	-14.6	-16.0
4	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-
6	3.1	11.0	12.6	6.3	9.4	6.3	7.8	6.3	7.8	4.7	4.7	6.3	4.7
7	3.1	4.7	4.7	3.1	3.1	3.1	4.7	-	-	-	-	-	-
8	- 1.3	1.6	1.6	- 2.7	- 2.7	- 8.0	- 5.3	- 5.3	- 2.7	- 4.0	- 4.0	- 5.3	- 5.3
9	- 6.7	- 6.7	- 1.3	- 5.3	-10.6	- 6.7	- 5.3	- 5.3	- 5.3	- 8.0	- 8.0	- 5.3	- 4.0
10	- 2.7	- 1.3	- 2.7	- 6.7	- 8.0	- 9.3	- 8.0	- 5.3	- 5.3	- 5.3	- 6.7	- 5.3	- 5.3
11	- 5.3	- 2.7	- 2.7	- 5.3	- 6.7	-11.0	- 9.3	- 8.0	- 6.7	- 2.7	- 5.3	-10.6	- 5.3
12	- 8.0	- 4.0	- 5.3	- 8.0	-10.6	-10.6	-10.6	- 6.7	- 8.0	-10.6	-10.6	- 9.3	- 8.0
13	- 8.0	- 6.7	- 8.0	- 9.3	-10.6	- 9.3	-10.6	-10.6	-11.0	-13,3	-10.6	-13,3	-11.0
14	- 9.3	- 8.0	- 6.7	-10.6	- 9.3	- 9.3	- 9.3	- 8.0	- 9.3	- 9.3	-10.6	- 9.3	- 8.0
15	- 6.7	- 6.7	- 5.3	- 9.3	-10.6	-13.3	-13.3	- 6.7	- 8.0	- 8.0	- 9.3	-10.6	-10.6
16	- 8.0	- 4.0	- 5.3	- 8.0	- 8.0	-10.6	-10.6	- 8.0	-10.6	- 8.0	- 9.3	-10.6	-10.6
17	-11.0	- 4,0	- 5.3	-10.6	-11.0	-13.3	-11.0	-11.0	-11.0	- 6.7	-11.0	-10.6	-14.6
18	-10.6	-10.6	- 9.3	- 8.0	-11.0	-11.0	-10.6	-11.0	-11.0	- 8.0	-10.6	-11.0	-10.6
19	-	-	-	-	-13,3	-14.6	-10.6	-10.6	-11.0	-11.0	-11.0	-13.3	-10.6
20	- 9.3	- 8.0	- 9.3	-12.0	-10.6	-12.0	- 9.3	- 8.0	- 9.3	-12.0	-10.6	-13.3	-13.3
21	- 6.7	- 8.0	- 6.7	- 8.0	-11.0	-10.6	- 9.3	- 9.3	- 9.3	- 9.3	-10.6	-11.0	-10.6
22	-10.6	- 9.3	- 9.3	-10.6	-13.3	-10.6	-10.6	-10.6	-12.0	-10,6	-12.0	-10.6	-12.0
23	- 9,3	- 6.7	- 9.3	-12.0	-13.3	-12.0	- 9.3	- 8.0	-13.3	-12.0	-12.0	-10.6	- 9.3
24	- 9,3	- 8.0	- 8.0	-10,6	-10.6	- 9.3	-13.3	- 9.3	-16.0	- 9.3	-10.6	-13.3	-14.6
25	-10.6	- 8.0	- 9.3	-13.3	-13.3	-16.0	-20.0	-18.6	-16.0	-13.3	-16.0	-14.6	-13.3
26	- 8.0	-10.6	- 8.0	-13,3	-14.6	-16.0	-13.3	-10.6	-13.3	- 9.3	-16.0	-14.6	-13.3
27	-14.6	-10.6	-10.6	-14.6	-14.6	-16.0	-16.0	-16.0	-18.6	-16.0	-17.3	-17.3	-17.3
28	-12.0	-12.0	-12.0	-14.6	-14.6	-14.6	-16.0	-14.6	-16.0	-14.6	-16.0	-16.0	-14.6
29	-12.0	-10.6	- 9.3	-13.3	-16.0	-16.0	-13.3	-14.6	-14.6	-13.3	-14.6	-13.3	-16.0
30	1.6	- 9.3	- 9.3	-14.6	-16.0	-16.0	-16.0	-13.3	-12.0	-16.0	-16.0	-13.3	-14.6
31	-10.6	-10.6	-10.6	-14.6	-14.6	-16.0	-13.3	-13.3	-14.6	-16.0	-14.6	-16.0	-14.6
Prom	- 8.2	- 6.9	- 6.7	-10.2	-10.8	-11.5	-10.5	- 9.9	-11.1	-10.5	-11.6	-11.6	-11.3
Var.	2.1	3.4	3.6	0.1	- 0.5	- 1.2	- 0.2	0.4	- 0.8	- 0.2	- 1.3	- 1.3	- 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
- 1.4	1.7	- 2.7	- 4.1	- 9.5	-13.6	- 1.4	- 1.4	5.2	3.4	1.7	- 0.5	2
1.7	- 4.1	- 2.7	- 1.4	- 4.1	- 5.4	- 2.7	- 4.1	- 5.4	1.7	- 2.7	- 1.5	1
10.3	-	-	-	-	-	-	-	-	-	-	3.0	1
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	3.4	6.9	8.6	6.3	1
18.9	13.8	15.4	10.3	8.6	12.0	15.4	17.2	25.8	12.0	25.8	14.6	2
-	-	-	-	-	-	-	-	32.7	32.7	30.9	25.1	2
39.5	32.7	25.8	22.3	22.3	22.3	34.3	34.3	46.3	37.8	37.8	32.6	2
27.4	29.2	29.2	32.7	41.2	41.2	37.8	37.8	41.2	43.0	39.5	36.4	1
37.8	39.7	34.3	37.8	39.5	34.3	34.3	39.5	49.8	41.2	32.7	37.4	1
46.3	32.7	34.3	34.3	30.9	34.3	36.0	41.2	43.0	44.7	39.5	37.5	2
39.5	43.0	32.7	27.4	32.7	37.8	36.0	37.8	44.7	36.0	37.8	36.0	1
39.5	32.7	24.0	24.0	36.0	27.4	25.8	32.7	30.9	39.5	44.7	33.4	2
25.8	32.7	29.2	34.3	24.0	29.2	34.3	39.5	30.9	34.3	32.7	33.1	2
29.2	32.7	30.9	27.4	27.4	36.0	30.9	30.9	34.3	30.9	32.7	32.1	1
37.8	30.9	27.4	29.2	30.9	34.3	25.8	34.3	39.5	34.3	39.5	32.6	1
27.4	27.4	25.8	24.0	30.9	22.7	25.8	27.4	37.8	30.9	30.9	34.7	2
29.2	25.8	22.3	29.2	32.7	29.2	29.2	25.8	34.3	29.2	32.7	30.8	1
29.2	24.0	22.3	25.8	-	29.2	29.2	20.6	24.0	36.0	-	20.9	1
27.4	25.8	29.2	20.6	20.6	20.6	24.0	20.6	29.2	27.4	32.7	27.9	1
25.8	27.4	20.6	20.6	22.3	20.6	27.4	20.6	27.4	25.8	25.8	27.5	1
34.3	22.3	20.6	- 2.7	18.9	30.9	24.0	24.0	27.4	18.9	25.8	25.3	2
24.0	24.0	10.3	15.4	22.3	17.2	22.3	15.4	25.8	27.4	27.4	24.0	2
20.6	17.2	20.6	24.0	25.8	20.6	17.2	20.6	25.8	24.0	27.4	23.5	1
32.7	25.8	20.6	24.0	32.7	27.4	27.4	27.4	24.0	29.2	27.4	27.0	2
32.7	20.6	20.6	15.4	20.6	29.2	24.0	17.2	24.0	24.0	22.3	22.8	2
18.9	15.4	13.8	10.3	13.8	-	20.6	13.8	24.0	24.0	25.8	19.6	2
15.4	17.2	15.4	17.2	17.2	-	-	-	-	-	27.4	20.0	1
20.6	18.9	17.2	17.2	25.8	20.6	17.2	20.6	24.0	27.4	24.0	19.3	1
22.3	15.4	-	-	-	-	-	-	-	18.9	17.2	19.7	1
24.0	18.9	15.4	15.4	15.4	17.2	17.2	15.4	17.2	15.4	17.2	16.9	1
26.3	23.8	21.2	20.4	23.2	24.0	24.5	24.4	28.4	27.0	27.3	25.1	
1.2	- 1.3	- 3.9	- 4.7	- 1.9	- 1.1	- 0.6	- 0.7	3.3	1.9	2.2		

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
-18.6	-16.0	-17.3	-16.0	-18.6	-18.6	-14.6	-17.3	-14.6	-17.3	-13.3	-17.7	1
-18.6	-16.0	-13.3	-14.6	-18.6	-18.6	-18.6	-18.6	-18.6	-13.3	-13.3	-16.8	1
-16.0	-	-	-	-	-	-	-	-	-	-	-15.1	1
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	12.6	12.6	12.6	12.6	1
6.3	7.8	4.7	6.3	4.7	4.7	3.1	4.7	6.3	6.3	6.3	6.3	1
-	-	-	-	-	-	-	-	- 2.7	- 2.7	3.1	2.4	2
- 4.0	- 2.7	- 6.7	- 2.7	- 6.7	- 5.3	- 6.7	- 6.7	- 2.7	- 5.3	- 2.7	- 4.0	1
- 5.3	- 5.3	- 6.7	- 6.7	- 8.0	- 6.7	- 6.7	- 9.3	- 5.3	- 4.0	- 2.7	- 6.0	1
- 9.4	- 6.7	- 6.7	- 8.0	- 8.0	-10.6	- 8.0	- 6.7	- 4.0	- 4.0	- 2.7	- 6.1	1
- 6.7	- 6.7	- 9.3	- 8.0	- 9.3	- 6.7	-10.6	-10.6	- 9.3	- 8.0	- 6.7	- 7.2	0
- 9.3	- 8.0	- 8.0	- 8.0	-11.0	-11.0	-11.0	- 8.0	-10.6	- 6.7	- 6.7	- 8.7	0
-11.0	-10.6	- 9.3	- 9.3	-10.6	-10.6	-11.0	- 9.3	- 9.3	- 9.3	- 8.0	-10.0	0
- 8.0	- 8.0	- 8.0	- 9.3	-10.6	-13.3	-13.3	-13.3	-11.0	- 9.3	- 6.7	- 9.5	1
-11.0	- 9.3	- 9.3	-10.6	-13.3	-10.6	-10.6	- 9.3	- 9.3	- 8.0	- 6.7	- 9.4	0
-10.6	- 9.3	- 9.3	-10.6	-13.3	-11.0	-10.6	-10.6	- 9.3	- 9.3	- 8.0	- 9.3	0
- 9.3	-10.6	-10.6	-13.3	-13.3	-10.6	-10.6	-13.3	-13.3	- 8.0	- 6.7	-10.4	1
- 9.3	- 8.0	- 9.3	-11.0	-13.3	-14.6	-	-	-	-14.6	- 9.3	-10.6	1
-13.3	-13.3	-14.6	- 9.3	-	-16.0	-16.0	-14.6	-11.0	-13.3	- 9.3	-10.3	1
-12.0	-10.6	- 9.3	-10.6	-16.0	-13.3	-10.6	-10.6	-10.6	-10.6	- 9.3	-10.8	1
- 9.3	- 8.0	- 8.0	- 9.3	-13.3	-16.0	-13.0	-14.6	-14.6	-13.3	- 8.0	-10.3	1
-13.3	-10.6	-10.6	-10.6	-13.3	-13.3	-10.6	-12.0	- 8.0	- 9.3	-10.6	-11.0	1
- 9.3	- 9.3	- 8.0	-10.6	-14.6	-10.6	-14.6	-12.0	-12.0	-12.0	- 9.3	-10.8	1
-13.3	-10.6	-12.0	-13.3	-14.6	-13.3	-16.0	-16.0	-12.0	-10.6	- 9.3	-11.8	0
-13.3	-12.0	-13.3	-16.0	-16.0	-16.0	-17.3	-16.0	- 8.0	- 9.3	-10.6	-13.8	1
-12.0	-14.6	-13.3	-14.6	-14.6	-13.3	-13.3	-13.3	-13.3	-13.3	-13.3	-12.9	1
-16.0	-13.3	-13.3	-14.6	-17.3	-16.0	-17.3	-14.6	-14.6	-14.6	-13.3	-15.2	1
-14.6	-13.3	-16.0	-16.0	-14.6	-12.0	-16.0	-18.6	-16.0	-16.0	-10.6	-14.6	1
-16.0	-10.6	-13.3	-16.0	-12.0	-13.3	-17.3	-14.6	-16.0	- 9.3	- 8.0	-13.5	1
-16.0	-14.6	-	-	-	-	-	-	-	-16.0	-12.0	-13.1	0
-14.6	-17.3	-13.3	-14.6	-17.3	-16.0	-17.3	-17.3	-13.3	-16.0	-12.0	-14.5	0
-11.2	- 9.9	-10.2	-10.7	-12.5	-12.0	-12.1	-12.1	- 9.3	- 9.1	- 7.1	-10.3	
- 0.9	0.4	0.1	- 0.4	- 2.2	- 1.7	- 1.8	- 1.8	1.0	1.2	2.2		

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	57.4	57.4	57.3	57.4	57.5	57.6	58.2	58.4	58.4	58.3	57.8	57.4	56.8	56.2	55.7
2	55.7	55.6	55.6	55.6	55.7	56.1	56.5	56.6	56.8	57.1	56.6	56.4	55.9	55.6	55.5
3	54.7	54.7	54.8	54.8	54.6	54.8	54.8	55.0	54.9	54.8	54.6	53.8	53.4	54.6	53.8
4	51.6	51.6	51.1	50.9	50.7	50.7	50.7	50.8	50.7	50.3	50.2	50.3	50.2	49.9	49.6
5	55.4	55.8	56.3	56.4	56.8	57.6	58.1	58.2	58.4	58.4	58.3	58.3	58.3	58.2	57.9
6	58.2	58.0	57.8	57.9	58.4	58.7	59.0	59.0	58.7	58.5	58.4	58.3	58.0	57.6	56.9
7	57.0	57.1	57.3	56.1	56.8	56.8	56.9	56.8	57.1	57.8	57.3	57.1	57.1	56.6	56.5
8	56.9	56.8	56.2	56.2	56.2	56.8	56.7	56.7	56.9	57.0	56.6	56.6	56.5	55.8	55.6
9	56.1	55.7	55.7	55.6	55.7	56.1	56.6	56.7	56.8	56.8	56.7	56.6	56.5	56.4	56.4
10	58.0	57.9	57.8	57.9	58.2	58.8	59.1	59.4	59.5	59.4	59.2	58.7	58.4	58.2	57.7
11	58.7	58.8	58.8	58.8	59.3	59.5	60.1	60.2	60.3	60.3	60.3	59.9	59.5	59.0	58.4
12	57.3	57.1	57.0	57.1	57.5	57.7	58.0	58.2	58.2	58.1	57.8	57.7	57.3	56.9	56.6
13	56.3	55.9	55.8	55.9	56.5	56.7	56.9	56.9	57.3	56.8	56.5	56.2	55.5	55.3	54.7
14	55.0	55.0	55.1	55.3	55.8	56.2	56.3	56.4	56.7	56.6	56.4	56.1	55.6	55.3	54.7
15	56.0	56.0	55.9	56.1	56.3	56.9	57.5	57.8	57.8	57.8	57.4	56.9	56.6	56.2	55.8
16	58.9	59.0	58.9	59.9	59.9	60.5	60.7	60.9	60.7	60.6	60.0	59.7	59.2	59.0	58.4
17	61.2	59.7	60.1	60.8	60.7	61.2	61.3	61.6	61.6	61.7	61.5	61.6	61.2	60.6	60.4
18	61.0	60.7	60.6	60.6	60.7	61.2	61.2	61.4	61.5	61.6	61.7	61.4	61.0	60.8	60.7
19	61.1	61.2	61.2	61.1	61.5	61.7	61.8	62.2	62.2	62.2	61.7	61.2	60.4	60.2	59.9
20	59.6	59.5	59.2	59.2	59.3	59.4	59.6	59.6	59.8	59.6	59.3	58.9	58.4	57.8	57.4
21	56.7	56.1	56.0	56.2	56.6	56.8	56.9	57.3	57.4	57.6	57.4	56.9	56.3	55.6	55.3
22	55.5	55.4	54.9	54.7	54.6	54.8	55.3	55.2	55.2	55.1	54.8	54.4	53.8	53.3	52.7
23	53.9	53.9	53.9	54.0	54.0	54.6	55.1	55.1	55.4	55.3	55.1	55.0	54.7	54.2	53.8
24	54.1	54.6	54.9	55.4	57.3	57.9	57.8	57.6	57.7	57.3	56.8	56.9	56.8	56.6	56.5
25	57.7	57.6	57.2	57.3	57.1	57.7	58.5	58.7	58.6	58.6	58.7	58.7	58.6	58.8	58.2
26	60.6	60.3	60.1	60.1	60.7	60.9	61.3	61.9	62.0	62.1	61.9	62.0	61.9	61.8	61.7
27	63.2	63.2	63.2	63.2	63.4	63.5	63.8	64.0	64.1	64.2	64.0	63.4	63.1	62.8	62.4
28	62.2	61.9	61.5	61.4	61.4	61.4	61.6	61.6	61.7	61.7	61.5	61.3	60.7	60.4	60.1
29	60.1	59.9	59.9	60.1	60.4	60.6	60.7	60.8	60.9	60.8	60.5	60.3	59.8	59.0	58.5
30	61.0	61.1	61.0	61.0	61.5	61.8	62.3	62.8	62.8	62.8	62.7	62.6	62.5	62.2	61.9
31	63.1	62.8	62.8	62.8	63.3	63.5	63.6	63.7	63.7	63.6	63.2	62.9	62.5	61.9	61.7
Prom	57.9	57.8	57.7	57.7	58.0	58.3	58.6	58.8	58.8	58.8	58.5	58.3	58.0	57.6	57.3

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	16.7	15.4	15.2	14.6	14.1	13.8	15.6	18.6	21.6	23.7	25.6	26.9	27.8	28.2	28.4
2	19.3	18.4	17.9	17.4	16.9	16.2	17.1	21.3	24.2	26.5	28.2	29.4	29.7	30.2	30.3
3	22.6	21.9	21.6	20.8	20.6	19.8	21.7	23.0	25.8	27.4	28.5	27.4	26.3	21.0	20.9
4	20.8	20.7	20.8	21.2	21.4	21.4	21.4	21.1	21.8	24.0	25.6	26.0	27.8	28.2	28.6
5	15.9	14.9	13.7	13.1	12.5	12.3	13.5	15.8	17.8	19.5	20.7	21.5	22.1	22.5	21.9
6	13.5	12.5	12.7	13.0	13.2	13.9	15.3	17.2	19.1	20.4	21.5	22.9	23.3	24.2	23.8
7	18.0	19.1	19.3	19.3	19.3	19.5	19.5	20.1	20.6	21.3	22.3	23.6	23.4	22.9	19.8
8	17.1	17.1	17.1	17.0	16.3	16.2	16.2	16.3	16.9	17.9	20.0	21.0	22.0	23.0	22.7
9	13.7	12.9	12.6	12.1	11.3	10.0	12.0	15.0	17.8	20.2	21.4	22.7	23.9	25.7	24.6
10	16.0	16.1	16.0	15.7	15.8	15.4	16.8	19.3	20.7	22.5	24.3	25.6	26.2	26.5	26.3
11	15.6	15.5	14.9	15.0	15.0	15.0	16.0	19.1	22.3	25.1	26.4	27.3	28.4	28.7	29.2
12	18.8	18.6	18.4	18.1	17.2	16.7	18.3	21.4	24.0	26.7	27.8	29.3	29.8	30.4	30.4
13	18.7	17.9	17.9	17.4	17.0	15.5	17.0	21.8	25.0	27.0	28.1	29.1	29.8	29.9	29.9
14	17.3	17.0	16.2	16.2	15.1	19.1	16.6	21.0	24.4	26.5	28.5	29.6	30.5	30.9	30.7
15	21.2	20.4	19.5	19.1	18.5	18.3	18.7	23.2	26.7	28.9	30.7	32.2	33.6	34.2	34.1
16	21.5	21.6	20.6	19.6	19.7	19.8	19.8	21.1	20.7	22.1	25.7	28.3	29.2	29.6	28.6
17	20.5	20.8	20.5	20.3	20.2	19.8	19.8	20.2	20.5	21.5	24.0	26.0	27.1	27.7	27.2
18	20.2	20.7	21.2	21.2	21.1	20.8	21.0	21.9	22.5	24.4	24.8	26.7	27.2	28.0	27.9
19	21.0	20.2	19.4	19.2	19.1	19.0	19.5	21.2	23.3	25.5	27.1	28.5	29.1	29.8	29.7
20	19.1	19.2	18.8	18.5	18.2	17.7	18.4	20.7	22.5	24.8	26.2	27.3	27.3	27.7	27.8
21	20.1	19.8	18.8	18.3	18.2	18.4	19.1	20.8	23.6	25.6	26.8	27.4	27.7	28.8	29.1
22	19.4	18.7	18.6	18.6	18.5	17.9	18.5	21.6	24.0	26.4	27.9	28.9	29.8	29.2	29.5
23	20.3	20.2	19.7	19.3	19.8	19.6	19.5	21.3	24.5	27.5	29.5	30.4	31.1	31.2	31.1
24	23.2	22.4	21.2	21.2	19.8	19.0	18.8	18.9	20.2	20.7	22.1	23.8	26.0	26.3	27.8
25	20.0	20.2	20.1	19.5	20.3	20.4	18.6	17.8	18.1	18.6	19.0	19.0	18.9	18.4	18.5
26	17.3	17.0	16.5	16.4	15.7	15.2	14.8	14.8	16.8	17.6	18.6	18.5	19.4	19.4	19.2
27	12.7	12.5	12.0	11.8	11.8	11.7	12.0	14.1	17.0	18.6	20.0	21.4	21.8	22.4	22.6
28	12.8	11.9	11.4	10.5	10.1	10.2	11.8	16.9	20.0	21.3	22.1	23.0	23.8	24.4	24.1
29	18.3	18.2	17.5	17.3	17.4	17.5	17.6	17.8	20.8	22.7	23.7	24.6	25.5	25.7	25.2
30	14.7	14.2	13.8	13.1	12.9	12.1	12.8	17.7	20.9	23.2	23.5	24.3	24.9	25.1	24.7
31	16.5	16.9	17.7	17.8	17.9	17.2	18.2	20.2	21.4	22.6	23.6	24.4	24.8	25.4	25.4
Prom	18.2	17.8	17.5	17.2	16.9	16.8	17.3	19.4	21.5	23.2	24.6	25.7	26.4	26.6	26.4

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
55.6	55.5	55.4	55.6	55.7	55.8	55.8	55.8	55.9	58.4	8,9	55.4	18	3.0	756.8 mm.	1009.0 mb.
55.2	55.1	55.2	55.3	55.6	55.7	55.7	55.5	55.0	57.1	10	55.0	24	2.1	55.8	1007.7
53.7	52.8	52.7	53.2	52.6	52.5	52.6	52.6	52.3	55.0	0	52.3	24	2.7	53.9	1005.2
49.6	49.8	50.1	50.2	50.6	52.5	53.3	53.9	54.8	54.8	24	49.6	15,16	5.2	51.0	1001.3
57.4	57.3	57.2	57.5	57.6	57.8	58.0	58.0	58.1	58.4	9,10	54.8	0	3.6	57.5	1010.0
56.9	56.8	56.9	57.1	57.6	57.5	57.5	57.0	57.1	59.0	7,8	56.8	17	2.2	57.8	1010.4
56.4	56.7	56.9	57.2	57.4	57.7	57.7	57.3	57.3	57.8	10	56.4	16	1.4	57.0	1009.3
55.6	55.7	55.7	55.9	56.4	56.5	56.5	56.6	56.3	57.0	10	55.6	15,16	1.4	56.4	1008.5
56.5	56.6	56.7	56.9	57.2	57.7	57.9	57.9	57.9	57.9	varios	55.6	4	2.3	56.6	1008.8
57.7	57.8	57.7	58.0	58.2	58.9	59.0	58.9	58.9	59.5	9	57.7	varios	1.8	58.5	1011.3
57.9	57.8	57.8	57.8	57.9	57.9	57.8	57.8	57.7	60.3	varios	57.7	24	2.6	58.8	1011.7
56.6	56.5	56.5	56.2	56.6	56.8	56.8	56.8	56.6	58.2	8,9	56.2	19	2.0	57.2	1009.6
54.4	53.9	53.9	54.5	54.8	54.9	55.1	55.1	55.0	56.9	7,8	53.9	18	3.0	55.6	1007.4
54.5	54.7	54.9	55.3	55.6	55.7	55.9	56.0	56.1	56.7	9	54.5	16	2.2	55.6	1007.4
55.7	56.0	56.5	56.9	57.6	57.8	57.9	58.0	58.6	57.8	varios	55.9	3	1.9	56.9	1009.2
58.3	58.3	58.6	59.0	59.6	59.7	60.4	61.2	61.1	60.9	8	58.6	0	2.3	59.7	1012.9
60.4	60.5	60.7	60.8	60.9	61.3	61.4	61.3	61.2	61.7	10	59.7	2	2.0	61.0	1014.6
60.7	60.7	60.8	60.9	61.1	61.1	61.0	61.0	61.1	61.7	11	60.7	varios	1.0	61.0	1014.6
59.6	59.5	59.5	59.5	59.6	59.7	59.7	59.7	59.6	62.2	8,9,10	59.5	varios	2.7	60.7	1014.2
57.1	57.0	56.9	56.9	57.1	57.3	57.2	57.2	57.0	59.8	9	56.9	18,19	2.9	58.3	1011.0
55.1	54.8	54.8	55.5	55.4	55.5	55.4	55.3	55.5	57.0	0	54.8	17,18	2.2	56.1	1008.1
52.8	52.7	53.0	53.4	54.0	54.1	54.0	54.2	54.1	55.5	0,1	52.7	15,17	2.8	54.2	1005.2
53.8	54.0	54.1	54.2	54.6	55.3	55.2	55.1	54.3	55.4	9	53.8	15,16	1.6	54.5	1006.0
56.1	56.0	56.3	56.9	57.0	57.1	57.0	57.0	57.5	57.9	8-9	53.8	0-1	4.1	56.6	1008.8
58.1	58.1	58.4	58.4	58.6	58.9	59.2	59.9	60.1	60.1	24	57.1	5	3.0	58.4	1011.2
61.9	62.0	62.1	62.3	63.0	63.4	63.5	63.4	63.3	63.5	22	60.1	varios	3.4	61.8	1015.7
62.3	62.2	62.3	62.4	62.6	62.6	62.6	62.4	62.3	64.2	10	62.2	17	2.0	63.0	1017.3
59.6	59.5	59.6	59.8	59.9	60.2	60.0	60.0	60.0	62.3	0	59.5	17	2.8	60.8	1014.4
58.4	59.9	59.6	59.9	60.4	60.5	60.6	60.8	60.9	60.9	24	58.3	15-16	2.6	60.2	1013.4
62.1	62.1	62.3	62.6	63.1	63.1	63.1	63.1	63.1	63.1	varios	60.9	0	2.2	62.3	1016.4
61.3	61.2	61.4	61.7	61.8	62.1	61.9	61.8	61.5	63.7	8,9	61.2	17	2.5	62.5	1016.6
57.1	57.1	57.2	57.5	57.7	58.0	58.0	58.1	58.1	59.2		56.7		2.5	57.9	1010.5

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
28.1	27.4	25.6	23.1	21.8	21.6	21.1	20.3	20.0	28.4	15	13.8	6	14.6	21.5
29.7	28.9	27.2	23.6	23.5	23.4	23.4	23.3	22.8	30.4	15-16	16.2	6	14.2	23.7
21.2	21.3	21.2	21.1	20.9	21.1	21.1	21.3	21.4	28.5	17	19.8	6	8.7	22.5
28.5	27.8	26.3	24.1	22.2	20.4	19.2	18.6	17.0	28.6	15	17.0	24	11.6	23.1
21.5	20.3	19.1	17.7	16.1	15.8	15.1	14.5	14.0	22.9	14-15	12.3	6	10.6	17.2
22.6	21.5	20.9	20.3	19.6	19.8	19.9	19.9	18.0	24.9	14-15	12.3	2-3	12.6	18.7
20.3	18.2	17.9	17.8	16.8	16.9	17.0	17.0	17.1	23.8	11-12	16.8	20	7.0	19.4
22.3	21.5	20.1	19.0	17.9	16.7	16.0	15.4	14.4	23.0	14	14.4	24	8.6	18.3
24.4	23.2	21.7	19.3	17.8	17.7	17.3	16.7	15.9	25.7	14	9.8	6-7	15.9	17.9
26.0	24.6	22.7	20.5	18.6	18.2	16.6	16.7	16.3	26.7	14-15	15.4	6	11.3	20.1
29.0	28.2	25.5	23.0	21.5	20.7	20.1	19.1	19.0	29.2	15	14.9	3	14.3	21.6
30.2	29.2	26.3	24.0	22.8	21.6	20.9	20.9	19.1	30.4	14,15	16.7	6	13.7	23.4
29.1	27.8	25.3	23.7	21.7	20.5	19.8	18.6	18.2	30.2	14-15	15.3	5-6	14.9	22.8
30.3	28.8	26.4	24.4	22.9	23.2	22.4	22.1	21.7	30.9	14	13.5	6-7	17.4	23.4
32.5	32.1	29.0	26.9	24.7	24.2	23.7	23.0	22.9	34.4	14-15	17.6	5-6	16.8	25.8
27.7	26.5	24.1	23.0	22.1	21.9	22.0	22.0	20.3	29.8	13-14	19.6	4	10.2	23.2
25.4	24.5	23.3	22.3	21.5	20.5	20.3	20.1	20.1	27.8	14-15	19.8	6,7	8.0	22.2
27.4	26.5	24.8	23.3	22.6	22.5	22.3	21.8	20.9	28.0	14	20.1	0	7.9	23.4
28.6	27.0	24.7	23.8	23.1	23.0	22.3	21.2	19.8	30.1	13-14	19.0	6	11.1	23.5
27.4	26.3	24.4	22.6	20.9	19.9	20.8	20.9	20.3	27.8	15	17.7	6	10.1	22.4
28.4	27.1	25.2	24.1	23.1	22.2	21.4	20.6	20.2	29.3	14-15	18.0	4-5	11.3	23.1
28.3	27.1	25.0	23.5	22.3	20.7	21.4	21.6	20.8	30.1	13-14	17.6	6-7	12.5	23.2
30.3	29.1	27.4	26.0	25.1	24.3	23.4	23.4	23.3	31.2	14	19.3	4	11.9	24.9
28.1	26.8	25.3	24.5	23.2	22.3	21.6	21.2	20.9	28.1	16	18.8	7	9.3	22.7
18.8	18.9	18.9	18.9	18.9	19.0	19.1	18.6	17.4	20.9	0	17.4	24	3.5	19.0
19.0	18.8	17.9	16.6	15.6	14.7	13.9	13.7	12.9	19.4	13,14	12.9	24	6.5	16.7
21.2	20.5	19.4	18.9	16.7	15.6	14.6	14.2	13.7	22.8	14-15	11.7	6	11.1	16.6
23.5	22.8	20.4	19.1	18.8	19.1	19.0	18.2	18.1	25.1	14-15	10.1	5	15.0	18.0
24.1	16.7	17.0	17.0	16.9	16.6	16.3	16.0	15.0	25.7	14	15.0	24	10.7	19.4
24.4	23.2	21.2	19.7	18.5	18.5	18.1	17.6	17.3	25.3	13-14	12.1	6	13.2	19.0
24.9	23.9	21.7	20.4	19.3	18.6	18.4	18.5	18.7	25.4	14,15	18.4	22	7.0	20.6
25.9	24.7	23.1	21.7	20.6	20.0	19.6	19.6	18.6	27.2		15.9		11.3	21.2

HUMEDAD RELATIVA en %

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

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	9.5	9.5	9.0	9.5	9.0	9.5	10.5	10.5	12.0	11.5	11.5	11.0	11.5	10.5	10.5
2	11.0	9.5	10.0	10.0	10.0	11.0	11.0	12.5	14.0	13.5	13.5	13.0	13.0	13.7	13.5
3	18.5	18.5	18.5	16.5	16.5	15.5	15.0	15.7	16.5	17.0	18.0	19.5	21.0	18.5	17.5
4	17.5	17.5	17.5	18.0	18.5	18.5	18.5	18.4	17.0	17.0	17.5	16.5	17.0	17.3	18.0
5	11.0	10.0	10.0	10.0	10.5	10.0	10.0	10.2	10.0	10.5	10.5	11.0	10.0	10.8	11.0
6	10.0	10.0	10.0	10.0	9.5	9.5	10.0	9.0	9.5	10.0	11.0	12.0	11.0	11.9	11.5
7	15.0	13.5	13.5	14.5	15.0	14.5	15.5	15.8	15.5	14.5	14.5	13.5	14.5	13.7	15.5
8	14.0	14.0	14.0	13.0	13.0	13.0	13.0	13.2	14.0	15.0	14.0	13.0	13.0	12.0	11.5
9	11.0	10.5	10.5	10.0	9.5	8.5	10.0	12.1	11.5	11.5	11.5	11.5	10.5	10.8	9.5
10	12.5	11.0	12.5	12.0	12.0	12.5	13.0	13.0	12.0	11.5	11.5	10.5	10.5	9.8	10.5
11	11.5	10.5	10.0	11.0	10.5	10.5	10.5	11.2	11.5	12.5	12.0	12.5	13.5	12.5	12.5
12	14.0	13.0	13.0	13.5	13.5	13.5	13.5	13.8	13.5	15.0	14.5	16.0	14.5	14.9	15.0
13	15.5	14.5	14.5	14.0	14.0	12.5	14.0	15.0	14.5	14.0	13.5	14.0	13.0	12.4	13.0
14	14.0	14.0	13.0	13.0	12.5	16.0	13.5	14.6	15.0	16.0	15.0	16.0	17.0	17.5	15.5
15	18.0	17.5	16.5	16.0	15.5	15.0	15.5	17.8	17.5	17.0	17.0	17.0	16.5	15.0	15.0
16	18.5	18.5	17.5	16.5	16.5	16.5	16.5	17.2	16.5	16.0	17.5	17.5	17.0	17.1	18.0
17	17.5	17.5	17.5	17.0	17.0	16.5	16.5	17.0	17.5	17.5	17.0	18.0	19.0	19.0	20.5
18	17.0	16.5	17.0	17.5	17.0	17.5	17.0	17.8	16.5	17.5	18.0	19.0	18.0	19.0	18.5
19	14.0	15.0	15.5	15.0	15.0	16.0	15.5	16.1	16.5	16.0	18.0	16.5	15.5	15.2	16.0
20	13.5	13.5	15.0	14.5	15.0	14.5	15.0	15.4	15.5	16.5	15.5	15.5	15.5	14.6	14.5
21	13.5	14.0	14.0	14.5	15.0	15.0	15.0	15.0	15.5	16.5	17.5	17.0	16.0	15.2	14.0
22	16.0	15.5	15.5	15.5	15.0	14.5	15.5	14.5	16.0	16.0	16.0	15.5	16.5	16.7	16.0
23	17.0	17.0	16.5	16.0	16.5	16.5	16.5	18.9	21.0	19.5	19.0	18.5	17.5	17.5	17.5
24	19.5	19.5	18.0	18.0	15.5	15.0	15.5	15.6	15.0	15.5	16.0	17.0	16.5	16.9	17.0
25	17.0	17.0	17.0	16.0	17.0	17.0	15.5	14.5	15.0	15.5	15.5	15.5	15.5	15.4	15.5
26	12.5	12.5	12.0	12.0	11.5	11.5	11.5	11.6	11.5	11.5	11.5	11.5	12.0	11.8	12.0
27	10.5	10.5	10.0	10.0	10.0	10.0	10.0	11.2	11.5	12.0	12.5	12.5	12.0	11.4	11.5
28	10.5	10.0	9.5	9.0	9.0	9.0	10.0	13.1	13.5	13.5	13.0	13.0	10.5	12.5	12.5
29	12.0	12.0	12.0	12.5	12.5	13.0	13.0	13.1	13.0	13.0	14.5	14.0	14.0	14.0	14.5
30	12.0	11.5	11.0	11.0	10.5	10.0	10.5	15.0	15.0	14.0	13.5	11.5	11.0	11.0	12.0
31	13.5	13.5	14.5	14.5	14.5	14.0	15.0	14.9	15.5	14.5	14.5	15.0	14.5	14.0	14.0
Prom.	14.1	13.8	13.7	13.6	13.4	13.4	13.6	14.3	14.5	14.6	14.7	14.7	14.4	14.3	14.3

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

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
10.5	8.5	9.0	12.0	14.0	14.5	15.0	15.5	11.5	15.5	23	8.5	17	7.0	11.1
14.5	15.5	15.5	17.5	17.5	17.5	18.5	18.5	17.0	18.5	22,23	9.5	2	9.0	13.8
18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.5	21.0	13	15.0	7	6.0	17.7
16.5	17.0	17.0	18.5	19.3	15.5	15.0	14.0	11.5	19.3	20	11.5	24	7.8	17.0
11.5	12.0	11.0	11.0	10.8	10.0	9.5	10.5	10.0	12.0	17	9.5	22	2.5	10.5
12.5	12.0	13.0	12.5	13.4	14.0	14.0	15.0	14.0	15.0	23	9.0	8	6.0	11.5
14.5	15.0	14.5	14.5	14.3	14.0	14.0	14.0	14.0	15.8	8	13.5	varios	2.3	14.5
10.0	10.0	11.5	12.5	12.7	13.0	13.0	12.4	11.5	15.0	10	10.0	16,17	5.0	12.8
9.5	11.0	13.0	12.5	12.7	12.5	12.5	13.0	12.5	13.0	18,23	8.5	6	4.5	10.9
10.5	11.0	10.5	13.0	13.2	14.0	13.5	12.0	12.0	14.0	21	9.8	14	4.2	11.8
12.5	13.5	14.0	15.0	15.9	15.0	14.5	13.5	13.5	15.9	20	10.0	3	5.9	12.5
16.5	15.5	17.0	18.0	18.5	17.5	17.0	17.5	16.0	18.5	20	13.0	2,3	5.5	15.2
14.0	14.5	15.0	15.5	16.5	16.5	16.5	15.5	15.0	16.5	varios	12.4	14	4.1	14.5
16.5	18.5	18.5	17.5	19.0	18.5	17.5	18.0	18.5	19.0	20	12.5	5	6.5	16.0
20.5	20.5	20.0	20.0	20.0	19.5	19.0	18.0	17.0	20.5	16,17	15.0	6	5.5	17.6
18.5	18.5	18.5	18.0	17.0	17.0	17.0	18.0	17.0	18.5	varios	16.0	10	2.5	17.4
20.0	18.5	17.5	17.5	16.5	16.5	17.0	17.0	17.0	20.5	15	16.5	varios	4.0	17.6
18.0	17.0	18.0	18.5	17.0	18.5	18.5	18.0	16.0	19.0	12,14	16.0	24	3.0	17.6
15.0	14.0	16.5	15.5	16.0	15.0	14.5	13.5	14.0	18.0	11	13.5	23	4.5	15.4
14.0	13.0	14.0	16.5	16.6	16.0	13.0	13.0	13.5	16.6	20	13.0	varios	3.6	14.7
16.5	15.0	17.0	17.0	16.8	16.0	15.5	15.5	16.0	17.5	11	13.5	0,1	4.0	15.5
16.5	16.5	17.0	17.5	16.7	16.5	17.5	18.5	17.5	18.5	23	14.5	6,8	4.0	16.2
18.5	20.0	21.0	20.5	19.6	20.5	21.0	19.5	19.5	21.0	varios	16.0	4	5.0	18.6
16.0	19.0	18.5	16.5	17.5	17.5	17.5	17.0	17.5	19.5	varios.	15.0	6,9	4.5	17.0
15.5	15.5	15.5	15.5	15.4	15.0	15.0	14.5	13.5	17.5	0	13.5	24	4.0	15.6
11.0	11.5	11.0	11.5	11.5	11.5	10.5	10.5	10.5	13.5	0	10.5	varios	3.0	11.5
12.5	12.0	13.0	13.0	12.4	12.0	12.0	11.0	11.0	13.0	18,19	10.0	varios	3.0	11.4
12.0	12.5	13.5	13.5	13.9	13.5	14.0	14.0	12.0	14.0	22,23	9.0	varios	5.0	12.0
12.5	13.0	14.0	14.0	14.0	13.5	13.0	13.0	12.0	14.5	11,15	12.0	varios	2.5	13.2
12.0	12.0	13.5	14.5	14.7	15.5	15.0	14.5	14.0	15.5	21	10.0	6	5.5	12.7
13.5	13.5	14.0	14.5	14.6	14.5	15.0	15.0	15.5	15.5	9,24	13.5	varios	2.0	14.4
14.5	14.7	15.2	15.5	15.7	15.4	15.3	15.1	14.5	16.8		12.3		4.5	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	N	8	N	6	N	4	N	4	N	3	N	4	N	7	N	12	N	16	N	16	N	14	N	12	N	10	N	8	N	8
2	NE	2	NE	6	NE	6	NE	6	NE	4	NE	4	N	4	N	7	N	4	N	5	N	8	N	12	N	5	N	4	N	5
3	E	2	E	2	C	1	NE	2	C	0	C	0	C	1	C	1	NE	4	NE	4	E	2	E	3	E	2	W	12	SW	9
4	N	7	N	8	N	5	N	4	N	4	N	3	NW	6	NW	6	W	8	W	8	W	10	W	10	W	10	W	12	SW	10
5	S	7	S	7	S	6	S	3	S	5	SW	5	S	4	S	6	S	10	S	7	S	6	S	6	S	4	S	6	S	4
6	SE	4	SE	2	SE	4	SE	5	E	3	E	4	E	7	E	7	E	11	E	10	E	9	E	8	E	7	E	8	E	12
7	SE	2	E	6	E	10	E	4	SE	6	SE	6	SE	2	SE	8	SE	13	SE	16	SE	13	SE	19	SE	16	SE	10	SE	16
8	S	9	S	10	S	10	S	10	S	9	S	7	S	11	S	8	S	7	S	9	S	9	S	14	S	9	S	9	S	7
9	C	1	C	1	SW	2	SW	3	SW	3	C	0	SW	3	C	1	C	1	W	6	SW	6	SW	4	SW	6	SW	4	SW	5
10	NW	4	NW	4	NW	6	NW	4	W	4	N	2	N	4	NW	6	NW	6	NW	9	NW	9	NW	10	NW	10	NW	9	NW	12
11	N	7	N	6	N	5	N	9	N	10	N	9	N	9	N	13	NW	16	NW	18	NW	18	NW	15	NW	14	NW	18	NW	14
12	N	11	N	12	N	10	N	9	NW	11	NW	9	NW	9	NW	13	NW	15	NW	18	NW	17	NW	18	NW	18	NW	15	NW	18
13	N	5	N	7	N	6	N	7	C	0	N	4	C	1	NW	9	NW	10	NW	12	NW	15	NW	11	NW	11	NW	10	NW	12
14	NW	3	NW	3	NW	3	N	4	C	1	C	0	C	1	NE	5	N	3	N	4	N	6	N	7	N	6	N	8	N	10
15	NE	4	NE	6	NE	5	NW	4	NW	6	NW	4	NW	6	NW	8	NW	9	NW	14	NW	13	NW	9	W	6	W	5	NW	4
16	C	0	S	4	S	3	S	7	E	9	E	5	SE	2	C	0	SE	4	E	2	E	4	E	4	E	6	E	7	E	7
17	N	8	NE	7	SE	3	S	2	C	1	C	0	C	1	C	1	C	1	S	3	S	2	S	3	S	3	S	3	SE	3
18	SE	3	E	5	E	6	E	6	E	6	E	5	E	4	E	5	E	7	NE	7	NE	6	NE	6	NE	5	NE	9	NE	6
19	NE	10	NE	12	NE	6	NE	8	NE	8	NE	6	NE	7	NE	11	N	15	N	12	N	10	N	9	N	8	NE	6	NE	9
20	NE	7	NE	8	NE	10	NE	9	NE	11	NE	11	NE	10	NE	13	N	19	N	15	N	13	N	11	N	13	N	11	N	12
21	NE	10	NE	13	NE	9	NE	9	NE	8	NE	8	NE	8	NE	5	N	13	NW	11	W	6	W	4	NW	5	NW	3	NW	5
22	C	0	C	0	C	0	C	0	C	0	C	0	C	0	SE	2	SE	4	S	2	S	2	S	3	S	2	E	3	E	4
23	C	1	C	1	C	0	C	0	SE	4	C	1	C	0	SE	2	E	2	NE	3	NE	6	N	7	N	7	N	9	N	7
24	NE	4	NE	2	C	0	C	1	S	8	S	10	S	4	S	4	SE	2	E	7	NE	7	NE	9	NE	9	NE	7	N	5
25	C	1	C	0	C	1	C	1	C	1	SE	4	S	7	S	4	SE	3	E	3	S	4	S	5	S	2	S	5	S	3
26	S	5	S	6	S	2	S	7	S	5	S	4	S	7	S	8	S	8	S	9	S	10	S	8	S	8	S	7	S	8
27	S	3	S	4	S	2	S	5	S	3	S	5	S	3	S	5	S	6	S	6	S	7	S	7	S	5	S	5	S	7
28	SE	4	SE	2	C	0	C	0	C	0	C	0	SE	4	C	1	N	7	N	7	N	6	N	5	N	5	N	3	NE	6
29	NE	4	NE	7	NE	7	NE	8	NE	7	NE	5	NE	7	NE	7	N	11	N	17	N	12	N	12	N	10	N	9	N	8
30	C	0	C	0	C	0	C	1	C	0	C	0	C	1	C	1	E	7	E	5	E	6	E	8	E	11	E	10	E	11
31	E	2	C	1	E	7	E	3	E	4	E	3	E	5	E	7	E	13	NE	10	E	8	NE	10	E	8	NE	8	E	8
DIR. PREV.	NE		NE		C		N NE S C		C		C		C		S C		N		N		N S		N		N		N		N	
Nº de HORAS	7		8		7		6		8		8		7		6		8		7		7		8		8		7		7	
PROM. HOR. DE LA VELOC		4		5		4		5		5		4		5		6		8		9		8		9		8		8		8

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
N	8	N	6	N	4	C	1	E	2	E	3	E	2	E	2	NE	2	N	18	7	22	N	8.28
N	3	N	4	N	2	C	0	E	4	E	2	E	5	E	2	E	3	N	12	5	28	N	12.04
SW	2	S	2	E	2	C	1	E	4	E	4	NE	3	NE	6	NE	8	E	8	3	50	NW	13.36
SW	11	W	9	W	5	W	3	W	2	S	7	S	5	S	11	S	10	W	10	7	24	SW	14.46
E	5	E	8	E	9	E	6	E	4	E	2	E	4	SE	6	SE	4	S	14	6	22	E	17.24
E	12	E	12	E	13	E	7	E	6	E	10	E	8	E	9	S	3	E	19	8	21	E	16.02
SE	5	SE	12	S	5	S	12	S	12	S	6	S	8	S	11	S	12	SE	14	10	44	E	11.24
S	7	S	7	S	3	C	1	S	2	C	1	C	0	S	3	C	1	S	20	7	29	S	11.46
SW	5	SW	2	C	0	C	1	C	0	C	1	N	3	N	3	C	0	SW	11	2	13	SW	11.35
NW	11	N	10	N	8	N	4	N	5	N	3	N	3	N	8	N	6	NW	13	6	20	NW	14.28
NW	16	NW	15	N	12	N	8	N	8	N	9	N	11	N	11	N	10	N	15	12	34	NW	10.02
NW	15	NW	13	N	13	N	9	N	7	N	7	N	9	N	8	N	8	NW	13	12	30	NW	14.00
NW	14	N	14	N	12	N	2	N	4	N	4	N	5	C	1	N	2	N	12	7	28	NW	9.46
N	9	N	8	NE	6	NE	4	NE	6	NE	9	NE	7	NE	6	NE	4	N	10	5	21	N	13.30
N	13	N	13	N	11	N	3	NE	5	N	7	N	6	N	5	N	2	NW	10	7	20	NW	9.23
E	11	E	11	E	9	E	10	E	9	E	10	E	9	E	8	S	8	E	16	6	23	S	23.33
E	10	E	11	E	7	E	8	E	6	SE	2	SE	3	SE	3	SE	2	SE-S	6	4	20	E	16.50
NE	9	NE	8	E	5	E	7	E	4	E	6	E	6	E	2	E	4	E	15	6	19	E	15.26
NE	10	NE	11	E	8	E	9	E	7	E	7	NE	10	NE	9	NE	7	NE	15	9	22	N	8.50
N	12	NE	12	NE	7	E	3	C	1	E	2	NE	8	NE	7	NE	7	NE	13	10	26	N	8.48
NW	2	N	5	N	5	W	3	S	3	S	3	S	5	C	1	C	0	NE	8	7	24	N	8.24
N	5	E	3	C	1	E	2	E	4	E	4	E	6	E	4	E	3	E	10	2	7	SW	11.48
N	6	NE	5	E	3	E	2	E	7	E	5	E	3	E	6	E	4	E	8	4	19	N	13.52
N	3	C	0	C	0	C	1	SE	3	E	2	C	1	SE	2	C	1	C	7	4	29	SW	5.04
S	5	S	2	S	3	S	3	S	4	S	5	S	6	S	6	S	5	S	16	2	40	S	6.05
S	7	S	4	S	3	S	3	S	3	S	3	S	3	S	3	S	5	S	24	6	21	S	11.42
E	5	E	6	E	5	C	1	SE	4	SE	2	SE	2	SE	3	SE	3	S	15	5	14	SE	10.08 10.12
E	5	E	5	E	6	E	6	E	3	E	5	E	4	E	5	NE	3	E	8	4	12	NE	13.00
NE	10	S	8	S	2	S	3	NE	2	C	1	E	2	C	1	C	0	NE	10	6	38	S	16.17
E	9	E	8	E	7	E	7	E	2	E	4	E	5	E	2	E	4	E	16	5	16	E	11.26 13.26
E	10	E	9	E	7	E	4	E	3	E	3	E	5	E	6	E	6	E	20	6	22	NE	9.24
E		E		E		E		E		E		E		E		NE E S		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		48 Km.		
9		9		12		12		14		15		12		10		6		E	167	8	DIREC.	DIA	HORA
	8		8		6		4		4		4		5		5		4				varios	varios	varios

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	18	150	1	2	4	9											1	162
2	12	63	6	28	5	16											1	107
3			6	27	8	21			1	2	2	11	1	12			6	77
4	6	31							4	33	2	21	10	77	2	12		174
5					7	38	2	10	14	81	1	5						134
6					19	163	4	15	1	3								181
7					3	20	14	144	7	66								230
8									20	160							4	163
9	2	6									11	43	1	6			10	61
10	10	53											1	4	13	100		157
11	15	137													9	144		281
12	11	103													13	189		292
13	12	72													9	104	3	178
14	10	65	8	47											3	9	3	123
15	8	60	4	20									2	11	10	77		168
16					16	121	2	6	4	22							2	149
17	1	8	1	7	5	42	6	16	6	16							5	93
18			8	56	15	78	1	3										137
19	5	54	15	130	4	31												215
20	8	106	13	120	2	5											1	232
21	3	23	8	70					3	11			3	13	5	26	2	144
22					10	38	2	6	4	9							8	54
23	5	36	3	14	8	32	2	6									6	91
24	2	8	6	38	2	9	3	7	4	26							7	92
25					1	3	2	7	16	69							5	83
26									24	136								136
27					3	16	5	14	15	73							1	104
28	6	33	2	9	8	39	3	10									5	92
29	7	79	10	64	1	2			3	13							3	160
30					16	106											8	109
31			3	28	20	121											1	150
SUMAS	141	1087	94	660	157	910	46	244	126	720	16	80	18	123	64	661	82	4529
% PREVAL POR VELOCIDAD	24.0		14.6		20.1		5.4		15.9		1.8		2.7		14.6		0.9	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	8		7		6		5		6		5		7		10		0.5	146

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	6	7	2	4	4			2	6
1 - 2	5	8	3	2	5			2	6
2 - 3	5	6	3	2	5	1		2	7
3 - 4	6	6	3	1	6	1		2	6
4 - 5	3	5	4	2	5	1	1	2	8
5 - 6	5	5	4	2	4	1		2	8
6 - 7	4	4	3	3	6	1		3	7
7 - 8	3	5	3	3	6			5	6
8 - 9	8	1	5	5	4		1	5	2
9 - 10	7	4	5	1	6		2	6	
10 - 11	7	3	5	1	7	1	2	5	
11 - 12	8	3	4	1	7	1	2	5	
12 - 13	8	2	5	1	7	1	2	5	
13 - 14	7	4	4	1	6	1	3	5	
14 - 15	7	3	5	2	5	3		6	
15 - 16	7	3	9	1	3	3		5	
16 - 17	7	4	9	1	5	1	1	2	1
17 - 18	8	2	12		5		1		3
18 - 19	5	1	12		4		2		7
19 - 20	4	3	14	2	5		1		2
20 - 21	5	1	15	2	5				3
21 - 22	6	4	12	2	5				2
22 - 23	5	4	10	4	5				3
23 - 24	5	6	6	3	6				5
SUMAS	141	94	157	46	126	16	18	64	82
% de frec. por dirección	19.0	12.6	21.1	6.2	16.9	2.2	2.4	8.6	11.0

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

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0–8	Insolación	Transparencia	Observaciones
1	9	42.1	26.2	1.29	0	5	5	
	10	45.7	29.5	1.32	0	5	5	
	12	49.0	32.6	1.35	0	5	4	
	14	49.6	33.1	1.34	0	5	5	
	15	48.6	32.1	1.34	0	5	5	
2	9	44.7	29.0	1.28	1	5	5	
	10	47.6	32.1	1.26	1	5	5	
	12	51.1	35.0	1.31	0	5	5	
	14	51.2	35.1	1.31	1	5	5	
	15	49.6	34.7	1.21	1	5	5	
3	9	42.1	29.1	1.06	8	2	5	
	10	40.4	30.6	0.80	8	2	5	
	12	32.3	28.0	0.35	8	1	5	
	14				8	0	5	Ll.
	15				8	0	5	Ll.
4	9	30.6	23.8	0.55	8	1	4	Ll.
	10	42.7	28.5	1.15	6	2	5	
	12	43.9	30.4	1.10	6	2	5	
	14	48.7	32.9	1.28	1	5	5	
	15	48.4	33.0	1.25	1	5	5	
5	9	39.4	22.0	1.41	1	5	5	
	10	42.7	24.8	1.46	3	5	5	
	12	44.9	27.2	1.44	4	3	5	
	14	42.2	27.2	1.22	7	3	5	
	15	33.1	24.6	0.69	6	3	5	
6	9	39.0	23.6	1.25	8	3	5	
	10	43.1	25.6	1.42	7	3	5	
	12	44.9	27.9	1.38	7	3	5	
	14	46.4	29.1	1.41	8	3	5	
	15	38.3	26.8	0.93	7	3	5	
7	9				8	0	5	Ll.
	10				8	0	5	Ll.
	12	38.6	27.0	0.94	8	2	5	
	14	27.6	23.6	0.32	8	0	5	
	15				8	0	5	Ll.
8	9	25.1	19.0	0.50	8	1	5	
	10	30.1	20.9	0.75	8	1	5	
	12	36.7	24.6	0.98	8	2	5	
	14	41.4	32.1	0.76	8	2	5	
	15	34.8	25.2	0.78	8	2	5	
9	9	39.8	22.8	1.38	2	4	5	
	10	43.7	26.3	1.41	3	4	5	
	12	41.7	27.6	1.15	8	2	5	
	14	39.6	31.0	0.70	8	1	5	
	15	34.1	25.9	0.69	7	1	5	
10	9	36.1	24.2	0.97	7	2	5	
	10	40.0	26.6	1.09	6	2	5	
	12	47.6	31.1	1.34	3	5	5	
	14	47.6	31.3	1.33	1	5	5	
	15	46.1	30.7	1.25	1	5	5	
11	9	42.2	26.9	1.24	0	5	5	
	10	46.1	30.2	1.29	0	5	5	
	12	48.2	32.4	1.28	0	5	5	
	14	49.0	33.6	1.25	1	5	5	
	15	48.6	33.5	1.23	1	5	5	
12	9	43.6	28.2	1.25	0	5	5	
	10	47.0	31.4	1.27	0	5	5	
	12	50.0	34.0	1.30	0	5	5	
	14	50.6	34.9	1.28	0	5	5	
	15	49.2	34.5	1.20	0	5	5	
13	9	45.7	30.0	1.28	0	5	5	
	10	48.6	32.5	1.31	0	5	5	
	12	50.5	34.4	1.31	0	5	5	
	14	50.3	34.3	1.30	0	5	5	
	15	49.5	34.3	1.24	0	5	5	
14	9	44.5	28.6	1.29	0	5	5	
	10	47.6	31.9	1.28	0	5	5	
	12	50.9	34.7	1.32	0	5	5	
	14	51.1	35.2	1.29	0	5	5	
	15	49.3	34.6	1.20	0	5	5	
15	9	46.0	30.6	1.25	0	5	5	
	10	49.2	33.6	1.27	1	5	5	
	12	52.7	37.3	1.25	3	5	5	
	14	53.9	38.2	1.28	4	5	4	B.
	15	52.1	37.5	1.19	4	5	4	B.
16	9	24.6	21.4	0.26	7	0	4	Ne.
	10	33.9	24.7	0.75	7	1	4	Ne.
	12	47.4	32.6	1.20	2	2	4	Ne.
	14	48.7	33.9	1.20	0	4	3	B.
	15	45.9	31.9	1.14	0	4	4	B.
17	9							
	10	32.4	24.2	0.67	8	0	2	Ne.
	12	44.0	30.1	1.14	6	3	4	Ne.
	14	46.3	32.0	1.16	6	3	4	Ne.
	15	45.6	31.6	1.14	8	4	4	Ne.
18	9	34.2	25.1	0.74	7	2	5	
	10	44.6	29.4	1.46	3	3	5	
	12	47.9	32.1	1.28	5	3	5	
	14	52.3	33.8	1.50	4	5	5	
	15	45.0	31.5	1.40	3	5	5	
19	9	43.9	27.6	1.25	0	5	5	
	10	46.3	30.6	1.28	0	5	5	
	12	49.7	31.5	1.32	3	3	5	
	14	52.3	33.8	1.50	4	5	5	
	15	50.2	34.2	1.30	5	3	5	
20	9	43.4	27.6	1.28	3	4	5	
	10	45.9	30.0	1.33	3	4	5	
	12	50.0	33.1	1.37	5	3	5	
	14	47.0	32.5	1.30	5	5	5	
	15	48.0	32.4	1.27	4	5	5	
21	9	45.7	29.5	1.32	6	5	5	
	10	45.0	30.0	1.21	6	5	5	
	12	38.6	29.9	0.71	8	3	5	
	14	41.0	31.3	0.80	7	3	5	
	15	45.0	33.0	0.90	7	3	5	
22	9	43.8	28.4	1.25	1	4	5	
	10	45.6	30.6	1.22	0	4	4	Ne.
	12	48.1	33.4	1.26	1	4	4	B.
	14	35.8	30.1	0.46	5	3	3	B.
	15	46.1	33.3	1.04	2	5	5	B.
23	9	33.1	28.6	0.51	8	0	3	Ll.
	10	45.7	31.6	1.15	8	3	4	B.
	12	51.2	35.1	1.30	8	3	5	
	14	49.0	35.0	1.14	8	3	5	
	15	47.1	34.4	0.98	8	3	5	
24	9	26.2	23.6	0.32	8	0	3	B.
	10	25.0	21.9	0.25	8	0	3	B.
	12	37.1	27.0	0.68	8	2	5	
	14	41.0	30.0	0.88	7	4	5	
	15	43.6	31.2	1.00	5	5	5	
25	9				8	0	3	Ll.
	10				8	0	3	Ll.
	12				8	0	3	Ll.
	14				8	0	5	Ll.
	15				8	0	5	Ll.
26	9	32.6	20.5	0.98	7	3	5	
	10	39.5	20.4	0.44	7	4	5	
	12	29.0	20.1	0.72	8	2	5	
	14	29.0	21.0	0.61	8	1	5	
	15	28.0	21.2	0.55	8	1	5	
27	9	40.5	22.5	1.46	5	5	5	
	10	41.9	25.0	1.40	5	5	5	
	12	44.5	27.0	1.42	5	5	5	
	14	40.6	26.6	1.44	6	3	5	
	15	40.3	26.9	1.09	6	3	5	
28	9	40.0	25.0	1.22	1	5	5	
	10	42.9	26.6	1.33	2	5	5	
	12	45.5	30.2	1.24	6	3	5	
	14	46.5	29.5	1.38	5	5	5	
	15	35.1	26.3	0.72	5	5	5	
29	9	39.7	24.5	1.24	3	3	5	
	10	44.4	27.7	1.36	4	3	5	
	12	47.4	29.5	1.38	4	3	5	
	14	47.9	31.1	1.36	4	3	5	
	15	31.6	25.8	0.67	6	3	5	
30	9	40.5	23.4	1.23	1	5	5	
	10	42.9	27.8	1.23	0	5	5	
	12	45.2	28.8	1.30	1	5	4	B.
	14	44.6	29.0	1.27	1	5	4	B.
	15	42.3	28.3	1.14	2	5	4	B.
31	9	39.8	25.5	1.04	2	5	5	
	10	42.9	27.4	1.26	2	5	5	
	12	45.9	29.4	1.34	4	5	5	
	14	46.1	30.0	1.31	3	5	5	
	15	43.7	31.2	1.02	1	5	5	

HELIOFANÍA

DÍAS \ HORAS	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H. EFECTIVA	H. TEÓR. ASTRON.	H. RELATIVA
1		0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9		11.6	12.7	91
2		0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1		10.3	12.7	81
3				0.1	0.3										0.4	12.7	03
4					0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7		8.5	12.6	68
5			0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.7	0.1			8.2	12.6	65
6		0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8					8.3	12.5	66
7							0.6								0.6	12.5	05
8								0.6	0.6						1.2	12.5	10
9		0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5					7.9	12.4	64
10		0.4	0.4			1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.5		8.2	12.4	66
11		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	12.4	89
12		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	12.3	89
13		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	12.3	89
14		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	12.3	89
15		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	12.2	88
16						0.6	1.0	1.0	1.0	1.0	1.0	0.8			6.4	12.2	52
17							0.8	1.0	1.0	0.9					3.7	12.1	31
18					0.9	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.4		8.0	12.1	66
19		0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.2		10.5	12.1	87
20		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	12.0	88
21			0.3	1.0	1.0	1.0	1.0	0.8	1.0	1.0	0.3				7.4	12.0	62
22		0.3	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.9	0.8	0.1			8.9	12.0	74
23					0.5	1.0	1.0	1.0	1.0	1.0					5.5	11.9	46
24								0.7	0.4	1.0	0.5	0.2			2.8	11.9	24
25															0.0	11.9	00
26				0.1	0.5	0.8									1.4	11.8	12
27			1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.1	0.2			7.9	11.8	67
28			0.6	1.0	1.0	1.0	1.0	0.8	1.0	1.0	1.0	1.0	0.2		9.6	11.7	82
29				0.5	1.0	1.0	1.0	1.0	1.0	0.9	0.4				6.8	11.7	58
30			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		10.2	11.7	87
31		0.1	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1		10.1	11.6	87
Medias		0.2	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.6	0.5	0.2		7.4	12.2	61

GEOTEMPERATURA

Días	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h
1	20.3	24.8	23.3	20.9	23.2	23.2	20.1	20.6	21.1	21.1	21.2	21.4	-	-	-
2	21.2	26.2	24.6	21.7	24.4	24.2	20.5	21.2	21.7	21.4	21.3	21.9	-	-	-
3	22.6	24.6	23.4	22.9	23.8	23.5	21.6	21.6	21.2	22.2	21.7	22.0	-	-	-
4	23.1	25.9	24.8	22.9	24.5	24.6	21.6	21.7	22.2	21.8	21.9	22.2	-	-	-
5	21.0	24.5	22.6	22.0	23.9	23.2	21.3	21.2	21.6	22.0	21.6	22.4	-	-	-
6	20.2	24.0	22.6	21.2	23.0	22.8	20.6	20.4	21.1	21.5	21.4	21.4	-	-	-
7	21.8	23.0	22.0	22.0	22.7	22.0	20.6	20.8	20.6	21.4	21.4	21.4	-	-	-
8	20.8	22.2	21.8	21.1	20.8	20.2	19.9	19.9	21.6	20.8	20.6	20.6	-	-	-
9	19.1	23.4	22.5	20.0	22.3	22.3	19.0	19.7	20.6	20.7	20.4	20.6	-	-	-
10	20.6	23.7	22.4	20.9	22.8	22.6	19.8	20.2	20.4	20.8	20.7	20.8	-	-	-
11	20.4	23.6	23.2	20.8	22.8	22.9	19.6	20.2	20.9	20.6	20.8	21.0	-	-	-
12	21.3	24.6	24.0	21.5	23.5	23.6	20.6	20.7	21.2	21.0	21.1	21.4	-	-	-
13	21.4	25.2	24.0	21.9	23.9	23.8	20.6	21.1	21.6	21.4	21.4	21.6	-	-	-
14	21.3	25.2	24.0	21.8	24.1	23.9	20.7	21.4	21.4	21.3	21.4	21.6	-	-	-
15	22.3	26.2	25.3	22.5	24.6	24.7	21.4	21.5	22.2	21.8	21.7	22.2	-	-	-
16	23.2	25.8	24.6	23.4	24.7	24.5	21.8	21.9	22.4	22.4	22.2	22.5	-	-	-
17	22.6	24.8	24.4	23.0	24.1	24.2	21.4	21.6	22.0	22.2	22.2	22.2	-	-	-
18	23.4	26.3	24.8	23.3	24.8	24.7	21.8	21.8	22.6	22.2	22.3	23.5	-	-	-
19	22.2	27.2	24.6	22.7	25.2	24.7	21.6	22.2	22.6	22.4	22.5	22.4	-	-	-
20	21.7	26.6	24.4	22.5	24.8	24.4	21.6	21.7	22.3	21.1	22.0	22.5	-	-	-
21	21.8	26.4	24.2	22.2	24.7	22.6	21.4	21.8	22.6	22.2	22.2	22.3	-	-	-
22	22.4	27.6	25.2	22.8	25.4	25.1	21.6	22.0	22.7	22.4	22.2	22.6	-	-	-
23	23.2	27.7	25.8	23.4	25.8	25.5	22.0	22.4	23.3	22.4	22.6	23.2	-	-	-
24	23.3	25.4	23.9	23.7	24.3	24.7	22.4	22.1	22.4	23.2	22.7	22.7	-	-	-
25	22.8	22.7	22.4	23.3	23.0	22.6	21.8	21.5	21.2	22.4	22.0	21.9	-	-	-
26	20.4	22.8	21.2	21.1	22.2	21.7	20.4	20.4	20.4	21.3	21.2	21.2	-	-	-
27	18.4	23.2	21.6	19.5	22.0	21.8	19.0	19.4	20.0	20.5	20.4	20.5	-	-	-
28	18.8	23.3	21.6	19.6	21.8	21.8	19.0	19.3	20.0	20.4	20.1	20.5	-	-	-
29	20.2	24.8	22.0	20.4	22.7	22.2	19.4	19.8	20.4	20.4	20.4	20.6	-	-	-
30	19.3	24.2	22.0	20.0	22.7	22.3	19.2	19.8	20.2	20.2	20.4	20.6	-	-	-
31	20.4	24.4	22.5	20.6	22.9	22.6	19.6	20.1	20.6	20.5	20.6	20.7	-	-	-
Prom.	21.3	24.8	23.4	21.8	23.6	23.4	20.7	21.0	21.4	21.5	21.4	21.7	-	-	-

LUVIA, ESTADO DEL SUELO, ETC...

ías	LLUVIA				Estado del suelo	EVAPORACIÓN				GEOHIDROMETRÍA en %						Freatímetro
	50 cm.	1.50 m.	7 m.	18 m.		8h	14h	20h	Total	Punto	7 cm.	15 cm.	30 cm.	60 cm.	1 m.	
1					0	0.6	2.5	2.7	6.8							10895
2					0	1.6	2.6	2.0	5.5							10905
3	24.2	26.4	25.8	19.3	0	0.9	1.1	0.1	1.5							10912
4					2	0.3	1.0	1.5	3.7	D.24	19.3	17.2	17.1			10920
5					2	1.2	1.5	1.3	3.5							10932
6	0.0	0.1	0.0	0.0	1	0.7	1.7	1.3	3.9							10939
7	18.2	19.6	16.8	14.8	0	0.9	1.2	0.7	2.2							10941
8					2	0.3	1.0	1.3	2.7	D.25	18.0	17.0	17.2			10938
9					2	0.4	1.4	1.2	3.2							10947
10					1	0.6	2.2	1.8	5.3							10955
11					0	1.3	2.8	2.3	6.4							10962
12					0	1.3	2.5	2.4	5.6							10964
13					0	0.7	1.9	2.2	4.3							10967
14					0	0.2	2.3	1.9	5.1	D.26	9.6	9.8	13.4	15.4		10974
15	0.0	0.0	0.0	0.0	0	0.9	2.7	2.0	5.4							10976
16	24.4	25.0	24.0	21.8	0	0.7	0.9	1.1	2.2							10989
17					2	0.2	0.5	1.1	2.0							10995
18					2	0.4	1.1	1.1	2.9	E. 1	19.3	15.4	19.4			10999
19					1	0.7	1.6	1.7	4.5							10900
20					0	1.2	1.8	1.7	4.6							10907
21	0.0	0.0	0.0	0.0	0	1.1	1.5	1.4	3.4							10909
22					0	0.5	1.4	1.1	2.7							11014
23	0.4	0.5	0.2	0.3	0	0.2	1.6	1.5	3.8	E. 2	11.3	7.7	17.8			11018
24	4.2	4.6	4.0	3.8	0	0.7	0.9	0.9	2.1							11027
25	10.5	11.2	9.9	8.9	2	0.3	0.0	0.1	0.6							11035
26					2	0.5	0.9	0.6	2.0							11045
27					1	0.5	1.3	0.9	2.5							11049
28					0	0.3	1.4	1.2	3.8	E. 3	15.4	12.3	18.9			11049
29	3.4	3.7	3.3	3.2	0	1.2	1.5	0.9	2.8							11052
30					1	0.4	1.4	1.3	3.3							11057
31					0	0.6	1.2	1.3	3.3							11061
Prom.	85.3	91.1	84.0	72.1	-	0.7	1.5	1.4	3.6	-	-	-	-	-	-	10975

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		
-	-	-	24.0	24.0	24.0	22.3	-	10.6	Ca. m. t. y n., r. m., B. t.
-	-	-	24.0	24.0	24.0	22.3	-	12.7	Ca. m. y t., Cn. n., r. m., Ne. n.
-	-	-	23.9	23.9	24.0	22.3	-	15.6	Cn. m. y t., Ca. n., r. m., Ru. LL. t., N. n.
-	-	-	23.9	24.0	24.0	22.3	-	19.4	Cn. m. y n., Ca. t., B. n.
-	-	-	23.8	23.8	23.8	22.3	-	10.7	Ca. m. y n., Cn. t., r. m.
-	-	-	23.8	23.9	23.9	22.2	-	9.2	Cn. m. t. y n., r. m.
-	-	-	23.7	23.7	23.7	22.2	-	15.2	Cn. m. t. y n., LL. m. y n., CM. t.
-	-	-	23.7	23.7	23.6	22.3	-	15.6	Cn. m. t. y n., LL. m.
-	-	-	23.5	23.5	23.5	22.3	-	9.2	Ca. m., Cn. t. y n., r. m. y n.
-	-	-	23.4	23.4	23.4	22.3	-	13.2	Cn. m., Ca. t. y n., r. m., Ne. n.
-	-	-	23.3	23.3	23.3	22.1	-	11.6	Ca. m. t. y n., r. m.
-	-	-	23.3	23.4	23.4	22.3	-	13.8	Ca. m. t. y n., r. m., Ne. t.
-	-	-	23.3	23.3	23.3	22.2	-	12.1	Ca. m. t. y n., r. m. y n., Ne. n.
-	-	-	23.3	23.4	23.4	22.3	-	10.9	Ca. m. t. y n., r. m., Ne. n.
-	-	-	23.4	23.4	23.4	22.2	-	14.4	Ca. m. y n., Cn. t., r. m., B. t.
-	-	-	23.4	23.5	23.5	22.2	-	16.7	Cn. m., Ca. t. y n., Ne. m., B. t., CM. m.
-	-	-	23.5	23.5	23.5	22.2	-	18.6	Cn. m. y t., Ca. n., N. Ru. LL. m., Ne. t. y n.
-	-	-	23.5	23.5	23.5	22.1	-	19.3	Cn. m., Ca. n.
-	-	-	23.5	23.5	23.6	22.2	-	16.5	Ca. m., Cn. t. y n., r. m., Bl. n.
-	-	-	23.6	23.6	23.6	22.0	-	23.8	Cn. m. y t., Ca. n., r. m., Bl. n.
-	-	-	23.6	23.7	23.7	22.0	-	-	Cn. m. t. y n., r. m., Z. Bl. n.
-	-	-	23.7	23.7	23.7	22.1	-	14.0	Cn. m. y t., Ca. n., r. Ne. N. m., B. t, N.Jl.n.
-	-	-	23.7	23.8	23.8	22.1	-	17.3	Cn. m. t. y n., dv. N. m., Ne. t.
-	-	-	23.7	23.8	23.8	22.1	-	16.7	Cn. m. y t., Ca. n., CM. LL. m.
-	-	-	23.8	23.8	23.8	22.1	-	17.2	Cn. m. t. y n., Ru. LL. m. y t.
-	-	-	23.8	23.8	23.8	22.2	-	13.1	Cn. m. y t., Ca. n.
-	-	-	23.5	23.5	23.5	22.1	-	14.9	Ca. m. y n., Cn. t., r. m., Ne. n.
-	-	-	23.4	23.4	23.4	22.1	-	8.7	Ca. m. y n., Cn. t., Ne. m., r. n.
-	-	-	23.3	23.3	23.3	22.2	-	-	Cn. m. t. y n., r. m., Ru. LL. t., LL. n.
-	-	-	23.2	23.2	23.2	22.2	-	10.9	Cn. m. t. y n., Ne. m. y n., B. t.
-	-	-	23.1	23.1	23.1	22.2	-	12.8	Ca. m. y n., Cn. t., Ne. m. y t.
-	-	-	23.6	23.6	23.6	22.2	-	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	56.1	59.5	10	9	49.6	4	15,16	20.2	26.3	14.8	30.4	2	15-16	9.8	9	6-7	6.5	12.6	52
2ª	58.5	62.2	19	8,9,10	53.9	13	18	23.2	30.0	17.4	34.4	15	14-15	13.5	14	6-7	9.4	12.2	77
3ª	59.1	64.2	27	10	52.7	22	15,17	20.3	25.8	15.6	31.2	23	14	10.1	28	5	6.4	11.8	54
MES	57.9	64.2	27	10	49.6	4	15,16	21.2	27.2	15.9	34.4	15	14-15	9.8	9	6-7	7.4	12.2	61

DÉCADA	HUMEDAD DEL AIRE								VIENTO									LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Velco. 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	78	100	varios	31	1	13.2	21.0	8.5	S	7	48	7	19	7	11-12	50	NW	3	13.36	46.1	26.4	3	25.0	3	14.15-15.15
2ª	78	100	varios	38	15	15.8	20.5	10.0	N	9	48	11, 13	19	20	8-9	34	NW	11	10.02	25.0	25.0	16	23.5	17	0.15-1.15
3ª	84	100	varios	48	21	14.4	21.0	9.0	E	5	48	29, 31	17	29	9-10	40	S	25	6.05	20.0	11.2	25	4.5	25	12.00-13.00
MES	80	100	varios	31	1	14.4	21.0	8.5	N	8	48	vª	19	7 20	11-12 8-9	50	NW	3	13.36	91.1	26.4	3	25.0	3	14.15-15.15

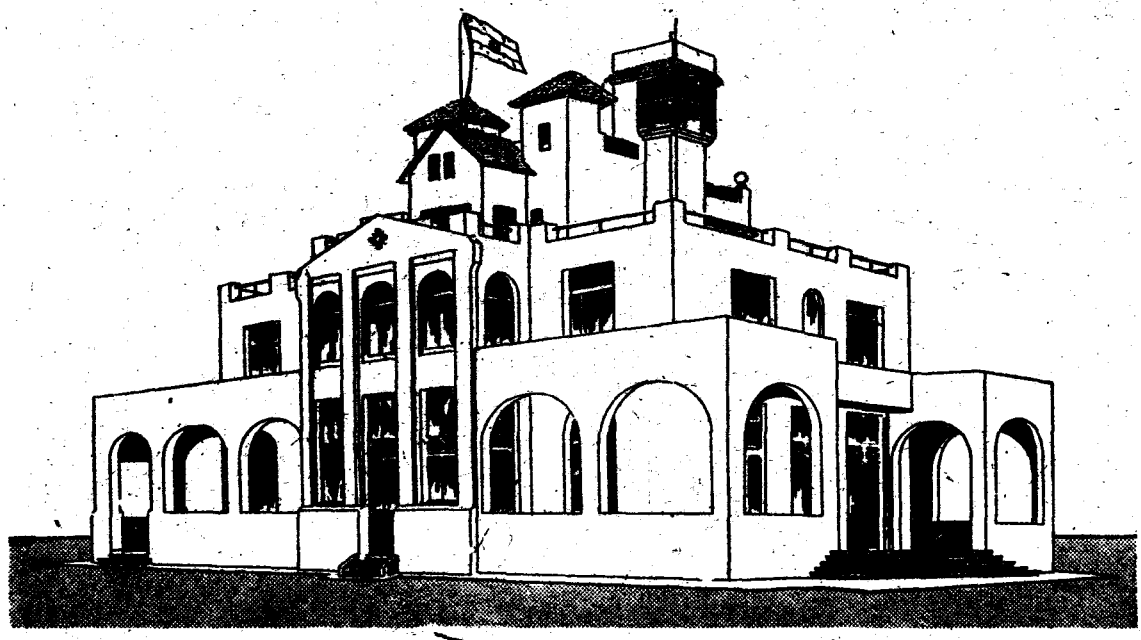
FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

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	2	1	-	-	-	2	-	-	-	-	-	-	1	1	2
2ª	-	2	5	1	-	-	-	1	1	-	-	-	-	-	-	1	2
3ª	2	2	5	2	-	-	-	3	1	-	-	-	-	-	-	2	1
MES	5	5	12	4	-	-	-	6	2	-	-	-	-	-	1	4	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	7	-	-	-	-	-	-	-	-	-	-	2	4	-	7	-
2ª	7	-	-	-	-	-	2	-	-	-	-	5	-	-	10	-
3ª	4	-	-	-	-	-	1	-	1	-	-	2	3	-	8	-
MES	18	-	-	-	-	-	3	-	1	-	-	9	7	-	25	-

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 METEOROLOGIA

VOLUMEN IX

AÑO 1954

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BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. IX — ABRIL 1954 — Nº 4

RESUMEN MENSUAL

Durante los dos primeros días del mes se mantiene el tiempo bueno y caluroso. En la mañana del día 3 un avance de aire fresco desde el SW desplaza al aire caliente. Aunque el empuje no es muy fuerte en los días siguientes la temperatura se encuentra en ininterrumpido descenso ya que continúa el aporte de masas de aire siempre más frescas y secas con nubosidad elevada. El centro de un anticiclón pasa el 5 sobre el Río de la Plata y al día siguiente cambia el viento al sector N. Se intensifica considerablemente esta corriente durante el 7, y el 8 predomina el aire de origen tropical con los valores máximos mensuales de la temperatura y tensión del vapor con 28.8°C y 17.0 mmHg respectivamente. Al anochecer de este mismo día un potente frente frío produce las únicas lluvias de esta década y un brusco cambio del tiempo. Termina la década con buen tiempo al continuar el aporte de aire fresco y seco. Las temperaturas se encuentran unos 4°C por debajo de la normal; la tensión del vapor alcanza el día 9 el nivel mínimo mensual con 4.4 mmHg; el día 10 registra a su vez su mínimo la humedad relativa con el 30%.

El aflujo de aire frío de origen subpolar continúa todavía durante el 11 y 12, desplazándose al mismo tiempo el centro de alta presión desde el SW hacia el centro de la Prov. de Buenos Aires. Como consecuencia de ello, la presión atmosférica alcanza el valor más alto del mes el 12, con 769.9 mmHg. Cambiando el viento al N se hace notar un marcado ascenso de temperatura y humedad el día 13. Sin embargo se mantiene el tiempo bueno y estable hasta el 16. Hacia el fin de la década la corriente del N se intensifica y nubosidad e inestabilidad aumentan de modo tal, que el 19 el promedio de la temperatura sobrepasa por última vez este verano los 20°C.

Con un pasaje de un frente de altura en la noche del 21 al 22, se desencadenan las lluvias más copiosas del mes (40 mm en 24 horas); la situación sinóptica se transforma entonces en una larga sudestada con cielo prácticamente cubierto durante 6 días (todo este período registra sólo 2.4 horas de brillo solar), lluvias ligeras, y temperaturas de 3 a 4°C sobre la normal. La presión marca un continuo descenso y alcanza el mínimo mensual el 27 con 745.8 mmHg, puesto que el centro de una depresión atraviesa el Sur de la Prov. de Buenos Aires. Un fuerte empuje de aire frío y seco de origen polar que dura hasta fines de mes llega hasta el Río de la Plata en la noche del 28; el último día se registra la primera helada del año y la casilla meteorológica acusa también temperaturas por debajo del punto de congelación (-0.1°C). Termina el mes con tiempo bueno y frío.

Los promedios mensuales se presentan equilibrados. La temperatura entrega justo el valor promedio, la presión apenas si excede su término medio, mientras la humedad indica una pequeña desviación negativa. Sólo la nubosidad es más alta que la normal con la correspondiente desviación negativa de la heliofanía. La precipitación disminuye en un 25%.

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	76	69	62	69	69	83	117	110	90	83	104	83	110	110
2	69	69	62	62	90	90	138	200	97	90	83	124	124	131	131
3	48	48	55	48	76	62	83	104	83	55	- 97	21	62	97	90
4	41	55	83	69	83	83	76	110	83	104	-83	62	41	48	83
5	55	62	62	55	69	69	83	104	124	138	124	124	110	97	97
6	145	131	117	69	28	21	14	41	117	252	97	48	34	76	83
7	83	69	62	41	48	34	62	220	131	131	117	110	110	117	117
8	55	48	41	41	34	34	48	41	34	28	- 62	-110	-260	-253	-159
9	± ∞	90	34	48	41	41	69	83	104	90	97	104	97	110	97
10	145	124	172	138	186	138	246	-	-	-	-	-	-	-	-
11	69	76	124	90	55	76	62	76	76	76	97	97	104	110	104
12	69	76	76	76	69	69	83	97	152	179	272	226	186	159	207
13	124	124	186	207	207	131	207	265	220	186	172	179	179	179	200
14	76	83	90	-	-	-	-	152	110	110	124	131	131	131	138
15	90	69	62	76	69	90	97	145	166	152	131	152	159	152	138
16	76	62	48	48	62	55	76	97	55	55	69	69	69	69	83
17	-	-	-	-	-	55	62	69	83	90	83	97	104	117	110
18	55	48	55	55	48	41	41	41	55	83	76	69	69	97	97
19	41	41	55	55	55	48	21	62	90	104	117	124	152	138	110
20	90	97	76	83	97	97	90	110	117	117	124	131	138	145	166
21	90	90	104	97	104	104	97	97	124	138	138	152	152	152	152
22	± ∞	± ∞	± ∞	± ∞	± ∞	± ∞	± ∞	- 48	55	69	117	220	200	131	145
23	166	166	152	159	166	166	97	246	291	322	252	166	166	166	104
24	- 14	55	∞	7	124	138	90	104	186	233	272	252	259	226	239
25	145	152	179	166	124	110	117	145	131	138	145	145	145	172	193
26	76	83	90	55	76	76	69	145	213	239	207	138	69	179	- 48
27	90	69	62	62	131	152	117	124	124	104	69	69	83	69	62
28	117	124	131	69	124	124	110	110	124	117	124	110	104	90	76
29	-	-	-	-	-	48	41	62	62	62	69	69	62	55	69
30	34	62	55	55	55	48	34	83	124	110	97	97	104	104	104
31															
Prom.	74.0	70.8	78.6	73.1	82.8	79.1	87.5	128.0	122.7	123.2	110.5	115.3	111.3	121.9	110.9

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	0.79	0.87	1.66	0.91	596	516	1112	1.15	0.93	1.18
2	0.73	0.82	1.55	0.89	494	420	912	1.18	1.03	1.37
3	0.89	0.97	1.86	0.92	642	596	1238	1.08	0.97	1.14
4	0.90	0.93	1.83	0.97	632	570	1202	1.11	1.00	1.14
5	1.07	0.78	1.85	1.37	543	555	1098	0.98	1.38	0.98
6	0.57	0.48	1.05	1.19	329	250	579	1.31	1.21	1.34
7	0.68	0.72	1.40	0.95	514	528	1042	0.97	0.93	0.95
8	0.98	1.14	2.12	0.86	389	708	1097	0.55	1.76	1.13
9	0.73	0.78	1.51	0.94	594	601	1195	0.99	0.86	0.91
10	0.52	0.52	1.04	1.00	376	330	706	1.14	0.97	1.10
11	0.69	0.73	1.42	0.95	556	551	1107	1.01	0.87	0.92
12	0.51	0.52	1.03	0.98	354	323	677	1.10	1.01	1.13
13	0.47	0.27	0.74	1.74	327	353	680	0.93	1.00	0.53
14	0.72	0.53	1.25	1.36	402	391	793	1.02	1.25	0.95
15	0.45	0.36	0.81	1.25	417	430	847	0.97	0.75	0.59
16	0.69	0.76	1.45	0.96	581	560	1141	1.04	0.83	0.95
17	1.01	1.08	2.09	0.93	605	577	1182	1.05	1.17	1.31
18	0.77	0.90	1.67	0.86	568	618	1186	0.92	0.95	1.02
19	1.05	1.10	2.15	0.95	512	460	972	1.11	1.43	1.67
20	0.89	0.94	1.83	0.95	453	356	809	1.27	1.38	1.85
21	0.85	0.91	1.76	0.93	594	428	1022	1.39	1.00	1.49
22	0.78	0.83	1.61	0.94	469	314	783	1.49	1.16	1.85
23	0.60	0.71	1.31	0.84	286	156	442	1.83	1.47	3.18
24	0.70	0.85	1.55	0.82	272	252	524	1.08	1.80	2.36
25	0.61	0.76	1.37	0.80	241	227	468	1.06	1.77	2.34
26	0.82	0.94	1.76	0.87	485	424	909	1.14	1.18	1.55
27	1.35	1.45	2.80	0.93	741	772	1513	0.96	1.27	1.31
28	1.09	1.20	2.29	0.91	755	958	1713	0.79	1.01	0.88
29	1.12	1.19	2.31	0.94	765	840	1605	0.91	1.02	0.99
30	0.78	0.76	1.54	1.02	576	499	1075	1.15	0.95	1.06
31										
Prom.	0.77	0.82	1.59	0.94	503	485	988	1.04	1.07	1.18

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplit.	Tipo de Curva
131	166	233	220	145	131	104	97	76	110.3	291	34	257	0
117	138	172	152	138	117	104	90	76	111.0	310	14	296	0
76	62	69	55	62	55	48	34	34	55.4	152	-296	448	1
83	76	69	69	55	55	55	62	55	70.1	179	- 62	241	1
97	83	76	90	97	117	131	152	124	97.5	220	41	179	0
104	90	97	-	41	48	104	117	69		310	- 21	331	1 *
104	117	200	186	90	117	83	69	62	103.3	391	- 41	432	1
- 62	69	69	-110	-390	± ∞	-	-	-438		∞	- ∞	-	3 *
-	-	-	90	90	117	220	213	213		∞	- ∞	-	3 *
-	-	-	-	-	-	97	76	69		357	28	329	0 *
110	104	124	138	145	131	117	104	83	97.8	193	00	193	0
207	179	179	193	124	138	145	117	131	142.0	322	41	281	0
193	220	207	193	117	104	97	97	69	169.3	368	55	313	0
172	252	213	159	166	124	131	138	131		322	55	267	0 *
138	207	220	179	110	90	110	152	110	127.7	297	69	228	0
83	110	166	172	159	90	62	-	-		200	21	179	0 *
124	145	159	110	83	69	41	41	55		207	14	193	0 *
97	138	220	159	110	69	69	76	62	80.4	265	7	258	0
158	166	220	200	124	62	62	55	48	96.2	259	- 55	314	1
207	233	252	213	207	152	138	110	104	137.2	310	55	255	0
179	207	284	233	186	138	159	152	± ∞		∞	- ∞	-	3 *
117	104	124	90	104	104	166	124	172		∞	- ∞	-	3 *
-	-	-	-	-	-	110	124	121		471	-207	678	1 *
233	233	239	259	297	278	200	207	152		∞	-438	-	3 *
179	152	-	-	-	-	-	76	90		226	62	164	0 *
69	117	117	124	124	131	131	117	124	113.4	529	878	1407	1
83	90	138	193	90	62	34	28	28	88.9	259	14	245	0
104	90	83	76	83	55	69	48	-		166	-181	347	1 *
83	83	69	55	55	55	48	55	41		104	00	104	0 *
104	-	-	-	-	-	159	41	41		414	- 41	455	1 *
124.7	139.7	166.4	157.6	115.9	102.1	95.2	90.7	79.1	106.7				

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
5644	5982	11626	0.94	6.10	-
6355	7011	13366	0.91	5.74	17,500
3775	4439	8214	0.85	3.43	20,750
5453	5977	11420	0.91	4.28	30,750
5494	6583	12077	0.83	6.01	16,500
9569	10727	20296	0.89	-	34,500
10055	10584	20639	0.95	4.82	29,250
2578	3139	5717	0.82	-	15,500
7168	8231	15399	0.87	-	26,500
10799	11213	20012	0.96	-	29,000
7811	8604	16415	0.91	4.63	39,000
11816	12814	24630	0.92	4.88	69,250
16766	16741	33507	1.00	4.16	49,250
8521	9085	17606	0.94	-	-
9783	10307	20090	0.95	3.45	-
5683	5720	11403	0.99	-	30,000
4635	4706	9341	0.98	-	-
5766	6058	11824	0.95	4.48	18,500
6328	8067	14395	0.78	6.90	40,250
7527	7263	14790	1.04	8.35	74,750
5932	8878	14810	0.67	-	25,000
7924	11117	19041	0.71	-	24,750
6940	12145	19085	0.57	-	64,500
9287	11636	20923	0.80	-	23,750
6506	7582	14088	0.86	-	50,250
3290	4001	7291	0.82	6.67	35,250
1943	2131	4074	0.91	8.30	9,500
2617	3028	5645	0.86	-	48,000
1831	2243	4074	0.82	-	38,000
6465	7176	13641	0.90	-	33,750
6888	7770	14658	0.89	5.48	34,385

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	0.86	1.05	1.33	0.99	0.65	1.01	1.40	0.87	0.86	0.70	0.75	0.73
2	0.77	0.86	1.00	0.88	1.10	0.61	0.64	0.66	0.74	0.91	0.91	0.83
3	1.26	1.10	1.35	0.74	1.15	1.34	0.97	0.87	1.03	0.47	1.04	0.55
4	1.02	0.82	0.88	0.70	0.67	0.66	0.81	0.84	0.99	0.89	0.88	0.98
5	1.05	1.15	1.17	1.12	0.97	0.81	0.69	1.30	1.20	1.33	1.20	1.13
6	0.82	0.82	0.92	1.20	1.09	0.98	0.57	0.46	0.35	0.30	0.27	0.51
7	-	0.28	0.44	0.45	0.51	0.59	0.78	-	0.89	0.89	0.92	0.67
8	1.04	1.06	1.27	1.38	1.25	1.48	1.03	0.93	0.78	1.01	0.80	0.85
9	0.56	1.28	1.36	0.95	0.95	0.96	0.96	0.74	0.42	0.75	0.43	0.43
10	0.62	0.69	0.42	0.45	0.31	0.56	0.39	0.56	0.45	0.45	0.53	0.62
11	0.66	0.72	0.39	0.42	0.95	0.94	0.97	1.01	0.79	0.71	0.65	0.64
12	0.92	0.73	0.92	0.71	0.69	0.91	0.63	0.69	0.59	0.40	0.29	0.44
13	-	-	-	-	-	-	-	0.52	0.49	0.65	0.56	0.56
14	0.89	0.80	0.79	0.92	1.06	0.78	0.84	0.47	0.31	0.52	0.55	-
15	-	-	-	-	-	-	0.62	0.42	0.55	0.74	0.33	0.31
16	0.61	0.68	0.88	0.86	0.53	0.28	0.59	0.93	1.11	1.03	0.96	0.85
17	1.37	1.36	1.42	1.42	1.37	1.39	1.38	1.18	1.12	1.13	1.01	0.86
18	1.31	1.22	1.17	1.05	0.92	1.00	0.91	1.06	0.89	0.53	0.51	0.66
19	1.13	1.42	1.59	1.44	1.45	1.49	1.40	1.42	1.15	1.06	1.05	0.93
20	1.27	1.26	1.47	1.13	1.05	0.93	1.01	0.87	0.80	0.99	1.02	0.81
21	0.98	1.09	1.05	0.95	1.05	0.79	0.89	1.13	0.95	1.09	1.19	0.95
22	-	-	-	-	-	-	-	-	-	0.84	0.85	0.68
23	0.50	0.59	0.74	-	-	-	-	0.48	0.65	0.46	0.51	0.45
24	0.59	0.55	0.78	0.73	0.65	0.59	0.83	0.83	0.88	0.71	0.46	0.72
25	0.70	0.77	0.76	0.55	0.63	0.60	0.67	0.71	0.70	0.75	0.52	0.69
26	0.75	0.98	0.99	1.11	-	-	-	0.74	0.87	0.81	0.76	0.81
27	0.97	1.23	1.48	1.65	1.73	1.07	1.11	1.28	1.51	1.56	1.52	1.57
28	1.02	1.14	1.27	1.39	1.34	1.21	1.54	1.28	1.00	0.67	0.82	0.75
29	1.49	1.36	1.02	1.43	1.31	1.17	1.26	1.18	1.24	1.23	1.27	1.24
30	1.22	0.96	1.11	1.19	1.19	0.95	0.80	0.57	0.81	0.89	0.96	0.91
31												
Promedio	0.90	0.93	1.00	0.96	0.95	0.89	0.88	0.83	0.80	0.79	0.76	0.74

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	0.92	1.10	1.48	1.06	0.74	0.95	1.07	0.96	1.15	0.82	0.85	0.87
2	0.83	0.92	1.20	1.20	1.03	0.61	0.56	0.65	0.78	1.02	0.97	0.95
3	1.21	1.21	1.13	0.94	1.23	1.33	1.12	1.10	1.27	0.78	1.29	0.68
4	0.84	0.67	0.71	0.69	0.53	0.44	0.79	0.83	1.00	0.76	0.94	1.09
5	1.02	1.15	1.20	1.12	0.97	0.87	0.61	0.66	0.91	0.82	0.83	0.74
6	0.47	0.51	0.53	0.58	0.65	0.59	0.27	0.42	0.39	0.37	0.38	0.67
7	-	0.24	0.34	0.43	0.69	0.50	0.69	0.45	1.00	1.02	0.94	0.81
8	1.24	1.17	1.32	0.67	1.29	1.27	0.80	1.00	1.07	1.07	1.07	1.19
9	1.11	1.24	1.50	1.07	1.07	1.12	1.07	0.80	0.66	0.87	0.49	0.54
10	0.42	0.61	0.45	0.44	0.34	0.46	0.41	0.60	0.37	0.51	0.59	0.71
11	0.66	0.72	0.45	0.56	1.10	0.95	1.04	1.04	0.89	0.80	0.75	0.77
12	0.68	0.59	0.61	0.66	0.80	0.82	0.59	0.71	0.54	0.41	0.37	0.51
13	-	-	-	-	-	-	-	0.13	0.27	0.33	0.34	0.40
14	0.54	0.43	0.46	0.62	0.67	0.51	0.47	0.67	0.26	0.62	0.60	-
15	-	-	-	-	-	-	0.62	0.47	0.60	0.71	0.41	0.31
16	0.43	0.74	1.02	0.69	0.41	0.85	0.78	0.88	1.14	1.17	1.05	0.98
17	1.40	1.55	1.55	1.31	1.53	1.48	1.32	1.37	1.22	1.14	1.02	0.89
18	1.44	1.49	1.12	1.19	1.24	1.24	1.07	1.14	0.82	0.62	0.67	0.85
19	1.40	1.66	1.55	1.71	1.42	1.66	1.19	1.38	1.20	1.15	1.15	0.97
20	1.50	1.42	1.44	1.22	1.07	0.98	1.15	0.86	0.86	0.97	1.00	0.87
21	1.14	0.92	1.35	1.09	1.07	0.86	0.90	1.13	1.12	0.99	1.25	0.98
22	-	-	-	-	-	-	-	-	-	0.98	0.87	0.78
23	0.57	0.73	0.70	-	-	-	-	0.69	0.55	0.42	0.44	0.48
24	0.75	0.88	0.73	0.92	0.82	0.75	0.96	0.89	0.85	0.77	1.01	0.85
25	0.74	0.87	0.82	0.65	0.82	0.77	0.77	0.81	0.85	0.87	0.72	0.85
26	0.82	1.03	1.13	1.25	-	-	-	0.96	0.89	0.87	0.86	0.98
27	1.09	1.39	1.71	1.60	1.04	0.88	1.14	1.50	1.50	1.78	1.68	1.83
28	1.23	1.29	1.36	1.52	1.44	1.18	1.34	1.23	1.10	1.10	0.96	0.91
29	1.45	1.43	1.22	1.60	1.36	1.25	1.39	1.19	1.27	1.27	1.37	1.34
30	1.27	0.80	0.82	1.09	1.02	0.96	0.97	0.66	0.75	0.85	0.97	0.94
31												
Promedio	0.93	0.96	0.99	0.96	0.94	0.90	0.86	0.84	0.84	0.83	0.83	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
1.01	0.45	0.63	0.61	0.62	0.51	0.55	0.67	0.73	0.58	0.63	0.69	0.79
0.72	0.74	0.62	0.67	0.88	0.62	0.53	0.70	0.33	0.34	0.63	0.79	0.73
0.38	0.60	0.53	0.59	0.75	0.88	0.85	0.86	0.76	0.92	1.06	1.20	0.89
0.96	0.85	1.02	0.82	1.06	1.06	0.96	0.96	0.94	0.91	1.03	0.97	0.90
1.08	1.21	1.21	1.10	1.22	1.22	0.93	0.87	0.98	0.95	0.90	0.84	1.07
0.57	0.69	0.84	0.75	0.71	0.54	0.26	0.33	0.22	0.11	0.16	0.15	0.57
0.58	0.65	0.77	0.91	0.75	0.55	0.49	0.44	0.52	0.78	1.08	1.02	0.68
0.94	0.85	0.68	1.03	1.14	1.14	0.80	0.56	0.48	0.89	0.94	1.09	0.98
0.61	0.61	-	-	0.66	0.60	0.53	0.81	0.68	0.67	0.51	0.56	0.73
0.52	0.49	0.45	0.47	0.54	0.59	0.45	0.49	0.59	0.70	0.45	0.74	0.52
0.65	0.71	0.68	0.54	0.55	0.75	0.48	0.62	0.57	0.54	0.65	1.02	0.69
0.49	0.43	0.44	0.43	0.43	0.38	0.36	0.21	0.45	0.05	-	0.15	0.51
0.49	0.54	0.59	0.53	0.44	0.41	0.26	0.26	0.32	0.28	0.34	0.82	0.47
-	-	-	-	-	-	-	-	-	-	-	-	0.72
0.26	0.51	0.59	0.48	0.43	0.46	0.39	0.33	0.36	0.44	0.56	0.25	0.45
0.89	0.84	0.83	0.69	0.43	0.24	0.10	0.19	0.42	0.75	0.99	1.00	0.69
0.68	0.86	0.73	0.71	0.57	0.44	0.57	0.66	0.93	0.99	1.11	1.11	1.01
0.83	0.56	0.59	0.56	0.40	0.21	0.13	0.31	0.85	0.95	0.88	1.03	0.77
0.96	0.89	0.86	0.79	0.73	0.37	0.34	0.46	0.75	1.08	1.22	1.29	1.05
0.88	0.80	0.86	0.80	0.63	0.58	0.61	0.49	0.55	0.58	0.89	0.94	0.89
0.99	0.84	0.71	0.58	0.70	0.69	0.60	0.35	0.63	0.78	0.72	0.70	0.85
0.82	0.91	0.94	1.00	0.87	1.03	0.85	0.70	0.43	0.53	0.69	0.51	0.78
1.20	0.78	0.60	0.77	-	0.37	0.54	0.47	0.44	0.60	0.63	0.56	0.60
0.71	0.71	0.76	0.73	0.70	0.73	0.73	0.68	0.73	0.65	0.68	0.62	0.70
0.69	0.65	0.73	0.77	0.64	0.39	0.36	0.42	0.51	0.60	0.38	0.53	0.61
0.85	1.28	0.77	1.10	0.73	0.29	0.62	0.26	0.84	0.99	0.87	0.86	0.82
1.38	1.46	1.41	1.46	1.61	1.29	0.88	1.08	1.60	1.32	1.47	0.83	1.35
0.73	0.84	0.83	0.72	0.99	1.13	1.28	1.07	1.24	1.27	1.30	1.42	1.09
1.03	0.96	1.09	0.88	0.77	1.04	1.06	0.74	1.00	1.08	1.15	1.00	1.12
0.69	0.74	1.03	0.96	0.95	0.88	0.32	0.23	0.30	0.33	0.37	0.40	0.78
0.75	0.75	0.75	0.74	0.70	0.65	0.56	0.54	0.64	0.69	0.77	0.77	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
1.33	0.67	0.71	0.60	0.64	0.56	0.61	0.83	0.87	0.69	0.72	0.72	0.87
0.88	0.73	0.64	0.71	0.82	0.70	0.80	0.85	0.60	0.50	0.79	0.93	0.82
0.43	0.76	0.52	0.76	0.76	0.82	0.93	0.81	0.82	1.02	1.12	1.12	0.97
1.12	1.09	1.05	0.98	1.22	1.19	0.97	1.04	1.04	1.04	1.10	1.10	0.93
0.74	0.79	0.82	0.76	0.63	0.75	0.71	0.51	0.51	0.54	0.49	0.49	0.78
0.70	0.79	0.87	0.75	0.73	0.60	0.30	0.30	0.13	0.17	0.20	0.13	0.48
0.75	0.70	0.84	1.02	0.76	0.60	0.56	0.51	0.56	0.87	0.94	1.29	0.72
1.24	1.24	0.99	1.23	1.33	0.42	1.30	0.96	1.22	1.72	0.81	1.67	1.14
0.65	0.58	-	-	0.57	0.66	0.49	0.69	0.51	0.56	0.42	0.45	0.78
0.58	0.49	0.49	0.58	0.65	0.61	0.51	0.56	0.44	0.52	0.53	0.62	0.52
0.70	0.82	0.75	0.67	0.72	0.75	0.42	0.49	0.46	0.51	0.54	0.85	0.73
0.55	0.51	0.53	0.49	0.49	0.44	0.42	0.32	0.45	0.14	-	0.29	0.52
0.37	0.34	0.37	0.33	0.25	0.28	0.07	0.15	0.16	0.09	0.20	0.55	0.27
-	-	-	-	-	-	-	-	-	-	-	-	0.53
0.31	0.53	0.59	0.56	0.41	0.51	0.45	0.38	0.44	0.53	0.54	0.38	0.36
0.95	0.88	0.78	0.71	0.44	0.33	0.16	0.33	0.58	0.76	1.09	1.15	0.76
0.73	0.92	0.70	0.75	0.64	0.49	0.60	0.79	1.02	1.07	1.12	1.32	1.08
0.95	0.71	0.76	0.49	0.42	0.29	0.22	0.42	0.88	1.09	1.17	1.24	0.90
1.12	0.79	0.84	0.76	0.72	0.51	0.41	0.52	0.89	1.02	1.12	1.22	1.10
0.92	0.86	0.90	0.79	0.64	0.60	0.64	0.56	0.60	0.65	0.92	1.15	0.94
1.03	0.77	0.94	0.96	0.78	0.49	0.41	0.51	0.75	0.79	1.10	0.48	0.91
0.91	1.04	1.17	1.02	0.79	1.09	0.71	0.73	0.49	0.60	0.64	0.57	0.83
0.88	0.89	1.05	0.82	-	0.87	0.65	0.69	0.67	0.77	0.82	0.77	0.71
0.87	0.87	0.89	0.87	0.87	0.89	0.85	0.82	0.85	0.85	0.85	0.67	0.85
0.85	0.85	0.89	0.89	0.82	0.51	0.51	0.58	0.72	0.87	0.47	0.69	0.76
0.84	1.08	1.47	1.12	0.98	0.37	0.85	0.54	0.95	0.92	0.90	1.02	0.94
1.46	1.54	1.65	1.66	1.44	1.17	1.07	1.63	1.74	1.59	1.62	1.03	1.45
0.89	0.90	0.94	0.90	1.15	1.23	1.30	1.20	1.33	1.41	1.46	1.49	1.20
1.01	1.17	1.09	0.94	0.90	1.02	1.05	0.90	0.96	1.17	1.04	1.16	1.19
0.76	0.90	1.00	0.98	0.98	0.68	0.18	0.28	0.28	0.35	0.39	0.42	0.76
0.82	0.81	0.84	0.80	0.74	0.65	0.61	0.63	0.70	0.76	0.77	0.83	0.82

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	707	831	955	955	782	782	707	608	782	955	752	608
2	521	521	782	608	608	347	434	521	707	707	608	521
3	782	782	608	782	782	707	608	570	632	782	608	782
4	707	434	434	478	434	260	390	707	955	955	707	782
5	521	608	608	434	521	521	347	521	1035	955	782	707
6	260	260	347	347	434	434	434	347	347	260	174	260
7	260	347	434	434	521	521	608	608	521	695	707	-
8	-	-	-	-	-	-	-	521	521	347	521	260
9	260	521	1035	782	782	608	707	608	608	608	868	868
10	347	434	260	260	260	260	260	260	260	347	521	521
11	434	434	260	260	521	521	521	955	1035	955	782	707
12	434	434	434	521	521	521	434	521	347	260	260	347
13	174	174	174	174	174	260	260	434	376	521	521	521
14	376	260	276	434	434	376	376	347	570	782	707	521
15	521	608	707	782	652	521	390	434	434	521	347	434
16	608	868	868	782	347	707	434	521	782	868	707	608
17	707	707	782	707	707	707	608	608	608	707	608	608
18	608	608	608	608	521	608	521	521	521	608	608	608
19	608	707	782	782	707	782	707	608	521	608	707	521
20	434	434	521	434	521	434	707	521	608	608	608	608
21	707	707	707	707	608	521	434	608	707	782	782	707
22	707	434	434	521	521	347	347	521	434	521	478	434
23	260	260	260	260	186	260	260	260	347	347	434	434
24	186	266	260	347	260	260	347	347	434	434	434	347
25	260	260	186	186	186	186	260	260	260	260	260	186
26	434	434	521	608	608	434	434	347	434	521	434	521
27	347	608	871	1115	862	434	570	782	868	955	955	955
28	782	782	868	695	955	825	782	782	782	868	868	782
29	868	782	782	868	868	782	782	782	782	782	868	868
30	707	521	608	707	707	707	478	521	608	782	912	868
31												
Promedio	501	518	568	572	551	505	488	530	594	643	618	583

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	600	602	1012	902	527	602	451	451	976	676	676	451
2	344	269	526	451	312	150	150	226	754	976	905	602
3	676	676	532	676	676	676	451	602	974	752	752	976
4	451	226	226	312	226	226	312	411	978	976	905	828
5	376	602	602	602	526	526	312	532	1188	1188	1052	905
6	150	150	150	150	312	376	376	226	226	226	226	312
7	226	226	312	312	312	451	376	376	602	905	976	905
8	828	752	905	752	790	752	602	676	676	905	676	676
9	-	961	905	828	676	828	676	676	978	1188	526	1052
10	150	226	226	226	226	226	226	150	150	226	602	602
11	312	312	226	226	526	526	602	905	1320	1250	976	828
12	312	312	226	226	451	451	376	312	312	226	226	312
13	150	150	150	150	226	226	226	226	376	640	752	602
14	312	226	150	376	376	312	312	312	676	676	608	676
15	451	602	828	676	602	376	312	226	602	676	526	602
16	389	451	451	451	312	602	312	451	905	905	976	828
17	752	905	752	752	752	457	376	451	602	676	602	451
18	752	752	676	602	526	602	526	676	676	602	676	752
19	602	676	602	602	526	451	526	376	312	376	526	312
20	526	602	451	376	226	312	226	312	376	376	451	526
21	376	451	526	451	312	376	312	451	451	676	526	451
22	-	-	-	-	-	-	-	715	602	451	226	312
23	150	150	150	150	75	75	75	75	75	75	75	150
24	226	451	451	526	312	226	376	312	226	226	312	312
25	150	150	75	75	75	75	75	150	188	226	226	150
26	526	526	602	752	752	526	602	376	312	312	312	376
27	312	751	1115	1047	677	226	457	526	676	1120	1188	1120
28	905	905	905	1113	1052	828	976	905	905	1320	1390	1120
29	1120	1052	1120	1120	1188	976	1052	976	905	828	976	976
30	676	312	376	494	451	451	382	312	451	678	1082	1120
31												
Promedio	457	497	525	530	483	444	415	446	615	678	664	643

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	608	608	707	521	260	174	174	174	260	347	434	596
434	260	608	521	478	347	260	260	260	260	570	707	494
608	782	608	608	521	608	521	478	521	521	608	608	642
707	614	868	782	707	782	608	608	521	608	608	521	632
707	608	608	521	521	521	347	347	347	347	347	260	543
260	347	434	434	434	434	260	260	260	260	260	347	329
-	-	-	-	-	-	-	-	-	-	-	-	514
260	260	174	174	260	434	347	434	174	434	707	782	389
434	868	782	707	608	434	434	434	347	347	260	347	594
521	521	521	521	521	347	347	260	347	347	347	434	376
707	707	521	376	521	521	376	376	376	434	521	521	556
260	434	521	434	434	347	174	174	174	174	174	174	354
521	434	521	434	434	260	260	260	174	174	174	434	327
434	521	521	521	260	260	174	174	260	260	347	347	402
434	521	521	521	260	260	174	174	174	174	174	260	417
608	608	608	707	347	260	174	260	347	521	707	707	581
521	707	707	707	347	260	434	521	521	521	608	608	605
707	707	782	608	521	312	260	347	608	608	608	608	568
521	521	608	608	434	260	86	86	174	347	260	347	312
608	521	434	434	260	260	174	174	174	347	434	608	453
707	707	707	782	521	260	174	260	434	521	608	608	594
347	521	608	521	707	521	521	521	347	347	347	260	469
434	347	260	260	-	347	347	347	260	260	260	186	286
260	260	260	186	186	260	186	186	260	186	186	186	272
186	260	260	260	186	186	186	186	186	347	347	434	241
347	695	521	868	695	521	434	347	347	347	347	434	485
868	912	782	782	782	521	347	570	782	707	707	707	741
608	434	434	521	707	782	782	782	782	782	868	868	755
868	868	782	782	782	782	521	521	608	608	707	707	765
707	707	707	707	707	521	347	260	260	260	260	260	576
524	561	561	552	471	409	325	337	352	390	438	473	503

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	602	752	526	226	226	226	150	226	226	312	516
451	526	602	526	451	312	226	226	150	150	339	451	420
905	828	526	676	602	451	226	226	312	312	376	451	596
752	752	905	752	676	602	376	526	451	602	676	526	570
828	828	752	451	526	312	226	226	226	150	226	150	555
226	312	226	312	376	376	150	226	226	226	226	226	250
905	752	602	676	676	376	226	226	226	526	676	828	528
676	602	602	602	602	451	376	376	-	-	1188	1120	708
828	752	451	226	312	226	-	-	-	226	150	150	601
602	526	676	602	526	312	226	150	226	226	312	312	330
828	752	602	526	526	376	226	312	312	226	226	312	551
312	526	676	602	526	312	226	226	150	150	150	150	323
602	602	602	602	451	312	226	226	226	226	150	376	353
602	676	602	602	226	226	226	226	312	226	226	226	391
526	602	526	602	312	226	226	150	150	150	150	226	430
676	676	752	828	451	312	226	226	312	451	752	752	560
602	602	526	451	376	226	376	526	602	602	676	752	577
752	828	828	676	526	312	226	312	676	676	602	602	618
312	312	376	376	226	376	451	312	376	676	602	752	460
602	376	312	376	376	226	226	226	226	226	226	376	356
526	451	451	376	312	312	226	226	451	451	754	376	428
312	376	526	376	312	376	226	226	75	75	75	75	314
312	226	226	150	-	150	150	312	188	226	226	150	156
226	226	226	150	150	226	150	150	150	150	150	150	252
226	312	312	226	150	150	226	226	312	725	451	526	227
451	457	-	752	451	376	312	150	226	150	226	226	424
1148	1052	940	828	676	376	226	602	905	828	828	905	772
905	676	676	602	828	905	752	905	940	1052	1188	1250	958
976	1052	905	752	752	602	376	312	451	602	526	564	840
828	828	676	602	526	312	376	226	226	150	226	226	499
612	600	556	534	463	344	273	292	330	368	427	450	485

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	1795	1795	898	2690	1795	2690	4490	2690	2690	2690	3585
2	2690	3585	1795	2690	3585	5380	8060	7180	2690	1795	3585	3585
3	1795	1795	1795	1795	1795	1795	3585	3585	3585	4490	1795	2690
4	5380	7180	8060	8060	7180	8950	8950	8950	5380	5380	5380	3585
5	3585	1795	1795	1795	1795	3585	3585	4490	3585	5380	5380	6295
6	12590	9860	8950	7180	6295	7180	7180	8060	11690	18860	17050	8060
7	16130	14350	14350	12590	10770	16130	12590	14350	8060	4490	4490	6295
8	2690	1795	2690	1795	1795	2690	3585	3585	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	3585
10	8950	8950	8950	14350	14350	15250	17050	17050	14350	10770	6295	7180
11	9860	9860	16130	13430	5380	3585	2690	1795	3585	3585	5380	6295
12	8060	8060	8060	7180	7180	6295	8950	2690	8950	15250	11690	8060
13	17950	25150	24200	23360	25150	23360	24200	20350	12590	7180	7180	8060
14	5380	7180	8060	5380	4490	7180	8950	10770	7180	4490	4495	6295
15	5380	3585	3585	3585	2690	4490	3585	7180	7180	6295	8060	9860
16	5380	3585	1795	2690	3585	2690	3585	6295	3585	3585	4490	3585
17	2690	1795	1795	2690	1795	2690	2690	3585	3585	3585	3585	4490
18	2690	1795	3585	1795	1795	1795	3585	3585	4490	7180	7180	5380
19	3585	2690	2690	2690	2690	2690	2690	4490	4490	4490	4490	7180
20	-	1795	1795	2690	2690	3585	2690	3585	4490	2690	4490	4490
21	3585	2690	2690	1795	2690	3585	3585	3585	6295	3585	3585	5380
22	10770	20350	20350	22400	20700	10770	7180	4490	5380	6295	8060	6295
23	1795	1795	3585	3585	3585	3585	3585	3585	3585	5380	4490	3585
24	8950	5380	7180	9860	9860	5380	-	6295	5380	7180	4490	7180
25	8950	7180	5380	6295	5380	10770	6295	5380	6295	5380	5380	6295
26	1795	1795	1795	898	1795	2690	2690	4490	5380	4490	4490	2690
27	2690	1795	898	898	898	3585	4490	898	898	898	898	898
28	898	898	898	1795	3585	1795	1795	1795	2690	2690	4490	6295
29	898	898	898	898	898	898	898	898	898	898	898	898
30	2690	3585	3585	3585	2690	3585	4490	6295	4490	4490	2690	2690
31												
Promedio	5732	5620	5832	5816	5510	5785	5721	5992	5480	5481	5256	5199

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	2690	898	1795	1795	1795	4490	4490	2690	3585	2690	4490
2	5380	3585	2690	3589	5380	7180	9860	4490	2290	3585	3585	6295
3	1795	1795	2690	1795	2690	2690	4490	4490	4490	4490	3585	4490
4	7180	10770	9860	8060	8950	8950	8950	7180	6295	5380	5380	5380
5	3585	2690	2690	2690	3585	2690	6295	3585	3585	5380	6295	7180
6	12590	10770	9860	7180	6295	8950	10770	8950	16130	21520	12590	5380
7	16130	15250	14350	13430	12590	17950	12590	14350	4490	6295	5380	6295
8	2690	2690	2690	2690	2690	3585	4490	3585	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	4490
10	9860	10770	17050	17050	16130	15250	17950	15250	14350	8950	7180	8060
11	13430	14350	17950	12590	4490	4490	1795	1795	4490	5380	6295	6295
12	9860	8950	8950	8060	7180	7180	8060	5380	12590	13430	10770	12590
13	20700	24200	25150	23360	26000	25150	23360	20350	8950	7180	8950	8950
14	6295	8060	7180	5380	6295	10770	12590	8950	5380	5380	6295	6295
15	5380	3585	3585	3585	3585	10770	6295	8060	7180	7180	10770	8950
16	5380	2690	2690	2690	5380	2690	7180	4490	3585	3585	4490	3585
17	1795	1795	1795	1795	2690	1795	3585	3585	3585	4490	3585	6295
18	2690	2690	1795	2690	2690	2690	3585	3585	4490	7180	6295	6295
19	3585	2690	2690	3585	3585	2690	3585	13430	4490	4490	5380	10770
20	-	1795	1795	3585	3585	3585	3585	-	3585	4490	3585	6295
21	-	-	-	3585	3585	-	-	4490	4490	4490	3585	17050
22	2690	22400	14350	7180	17050	35000	6295	5380	5380	-	7180	-
23	14350	-	14350	20700	1795	20700	3585	-	-	7180	-	11690
24	12590	-	8959	12590	25150	6295	-	6295	12590	2690	6295	7180
25	8950	8060	8060	7180	8950	8950	8060	7180	3585	7180	7180	8950
26	2690	3585	1795	3585	3585	5380	3585	5380	4490	6295	4490	4490
27	3585	1795	898	1795	3585	4490	2690	1795	1795	898	898	1795
28	898	898	1795	2690	1795	2690	2690	2690	2690	4490	5380	7180
29	898	898	1795	1795	898	1795	1795	1795	1795	898	1795	898
30	3585	3585	3585	2690	3585	3585	7180	6295	4490	3585	2690	5380
31												
Promedio	6680	6655	6855	6530	6744	8204	7014	6566	5702	5914	5652	6893

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	6295	4490	3585	7180	12590	14350	16130	14350	9860	8060	4490	5644
8950	6295	4490	6295	5380	8990	14350	14340	14350	12590	7180	2690	6355
5380	4490	5380	4490	3585	3585	4490	7180	5380	5380	5380	5380	3775
3585	5380	3585	4490	2690	3585	5380	5380	4495	3585	3585	2690	5453
5380	5380	5380	3585	6295	5380	5380	8060	11690	8060	10770	13430	5494
3585	3585	2690	2690	3585	5380	11650	12590	13430	17950	13430	16130	9569
7180	5380	5380	3585	7180	9860	16130	17050	21520	7180	3585	2690	10055
-	-	-	-	-	-	-	-	-	-	-	-	2578
3585	4490	-	-	5380	5380	9860	9860	9860	8950	8950	8950	7168
8950	10770	7180	6295	6295	7180	8950	16130	10770	13430	10770	8950	10799
5380	5380	6295	5380	6295	5380	12590	13430	14350	12590	10770	8060	7811
14350	12590	8060	11690	9860	11690	17050	20350	20350	20350	18870	17950	11816
8950	9860	9860	8950	10770	16130	23360	23360	21520	23360	20350	7180	16766
8060	8060	6295	7180	12590	16130	16130	15250	10770	8950	8060	7180	8521
9860	7180	6295	8060	10770	17950	20700	20350	17950	17950	17950	14350	9783
3585	3585	2680	5380	7180	12590	20700	13430	9860	5380	3585	3585	5683
6295	5380	7180	6295	8060	10770	10770	8060	3585	3585	3585	2690	4635
3585	7180	7180	7180	8060	13430	18870	11690	4490	3585	4490	3585	5766
5380	8060	7180	7180	7180	11690	20700	14350	6295	-	-	-	6328
5380	7180	14350	8950	10770	13430	17950	21520	17950	11690	5380	3585	7527
5380	4490	4490	3585	6295	12590	21520	20350	8060	5380	3585	3585	5932
7180	5380	3585	3585	3585	3585	4490	3585	4490	3585	1795	2690	7924
1795	2690	5380	7180	8950	17950	-	16130	14350	12590	16130	14350	6940
10770	11690	10770	10770	8950	9860	11690	13430	12590	12590	12590	10770	9287
7180	6295	7180	8950	10770	10770	6295	8060	4490	2690	2690	1795	6506
4490	4490	2690	1795	2690	2690	3585	5380	4490	3585	5380	2690	3290
1795	1795	1795	1795	1795	2690	8950	2690	898	898	898	898	1943
5380	5380	5380	2690	1795	1795	2690	1795	1795	1795	1795	898	2617
1795	898	1795	2690	2690	2690	3585	5380	3585	2690	2690	2690	1831
7180	4490	3585	3585	4490	5380	10770	14350	22400	14350	10770	8950	6465
5998	6004	5736	5639	6590	9004	12248	12402	10680	9092	7967	6531	6888

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
3585	4490	4490	5380	10770	12590	16130	16130	11690	9860	10770	4490	5982
6295	6295	7180	6295	8060	13430	15250	16130	14350	11690	3595	1795	7011
6295	5380	7180	4490	3585	4490	6295	6295	5380	6895	5380	5380	4439
3585	3585	3585	5380	3585	3585	5380	5380	6295	3585	3585	3585	5977
7180	7180	6295	6295	5380	6295	10770	10770	12590	9860	11690	13430	6583
3585	3585	2690	3585	3585	9860	15250	14350	17950	17950	16130	17950	10727
7180	7180	4490	4490	8060	14350	17950	18870	20700	5380	3585	2690	10584
-	-	-	-	-	-	-	-	-	-	-	-	3139
4490	5380	-	-	5380	8060	9860	10770	14350	9860	8950	8950	8231
9860	8959	6295	6295	5380	7180	12590	13430	11690	9860	9860	9860	11213
5380	6295	6295	7180	5380	5380	14350	20700	11690	10770	10770	8950	8604
15250	10770	9860	11690	9860	14350	20700	23360	20350	21520	18870	17950	12814
9860	10770	8950	8950	12590	14350	23360	23360	24200	23360	14350	5380	16741
8060	8060	7180	8060	16130	15250	20700	12590	8950	8950	8060	7180	9085
8950	6295	7180	8950	14350	20350	20700	18850	18870	17950	17050	8950	10307
3585	3585	3585	5380	10770	16130	17050	12590	6295	4490	2690	2690	5720
8950	4490	8060	8060	8950	13430	7180	4490	3585	3585	2690	2690	4706
3585	8060	6295	7180	12590	16130	17050	10770	4490	4490	4490	3585	6058
9860	10770	6295	8060	8060	17050	22400	12590	13430	-	-	-	8067
5380	7180	-	-	16130	20700	20350	13430	6295	5380	-	-	7263
13430	7180	4490	6295	10770	17950	21520	23360	5380	8060	3585	5380	8878
6295	12590	5380	-	4490	5380	-	5380	5380	-	-	32300	11117
-	7180	7180	8950	-	-	-	16130	16130	-	16130	16130	12145
14350	12590	10770	11690	10770	11690	13430	15250	12590	12590	17950	11690	11636
8060	8060	10770	10770	10770	9860	8950	6295	7180	4490	2690	1795	7582
4490	898	2690	2690	4490	3585	3585	6295	4490	5380	3585	4490	4001
1795	1795	1795	1795	2690	3585	5380	1795	1795	898	898	898	2131
7180	5380	5380	2690	2690	2690	2690	2690	1795	1795	898	898	3028
1795	1795	2690	2690	2690	2690	4490	4490	3585	3585	2690	3585	2243
8060	3585	3585	3585	3585	5380	6295	16130	25150	21520	14350	10770	7176
7013	6530	5949	6418	7912	10563	13321	12506	10918	9375	8284	7905	7770

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	29.2	22.3	18.9	18.9	18.9	15.4	8.6	10.3	13.8	20.6	20.6	17.2	15.4
2	17.2	17.2	15.4	13.8	17.2	15.4	13.8	15.4	13.8	17.2	15.4	15.4	13.8
3	17.2	15.4	10.3	12.0	18.9	13.8	10.3	6.9	10.3	13.8	10.3	13.8	15.4
4	13.8	24.0	13.8	12.0	13.8	12.0	10.3	12.0	12.0	15.4	13.8	13.8	10.3
5	15.4	12.0	12.0	12.0	13.8	15.4	17.2	6.9	8.6	13.8	12.0	15.4	10.3
6	12.0	10.3	8.6	8.6	13.8	6.9	6.9	3.4	6.9	10.3	8.6	10.3	6.9
7	6.9	8.6	8.6	6.9	12.0	8.6	6.9	1.7	6.9	8.6	10.3	12.0	8.6
8	6.9	6.9	5.2	5.2	6.9	3.4	3.4	- 1.4	3.4	6.9	10.3	17.2	13.8
9	15.4	15.4	13.8	10.3	17.2	10.3	10.3	6.9	-	-	-	-	-
10	3.4	5.2	5.2	6.9	10.3	3.4	3.4	- 2.7	-	-	8.6	10.3	8.6
11	10.3	8.6	10.3	8.6	8.6	6.9	5.2	5.2	5.2	5.2	6.9	8.6	8.6
12	10.3	10.3	17.2	13.8	10.3	8.6	8.6	10.3	8.6	3.4	6.9	8.6	3.4
13	10.3	6.9	6.9	5.2	10.3	6.9	3.4	3.4	6.9	5.2	1.7	10.3	3.4
14	3.4	5.2	3.4	6.9	6.9	5.2	10.3	- 1.4	1.7	5.2	3.4	5.2	1.7
15	6.9	5.2	5.2	3.4	8.6	3.4	- 1.4	- 1.4	- 1.4	3.4	3.4	3.4	1.7
16	8.6	6.9	3.4	3.4	1.7	3.4	6.9	1.7	3.4	3.4	1.7	1.7	1.7
17	3.4	3.4	3.4	3.4	8.6	1.7	1.7	- 1.4	- 1.4	3.4	5.2	6.9	5.2
18	8.6	5.2	5.2	1.7	1.7	1.7	- 1.4	- 2.7	-	-	-	-	-
19	5.2	6.9	3.4	3.4	5.2	5.2	3.4	- 1.4	1.7	3.4	3.4	3.4	- 2.7
20	- 1.4	- 2.7	3.4	1.7	3.4	1.7	1.7	- 4.1	3.4	1.7	6.9	6.9	1.7
21	10.3	3.4	3.4	1.7	- 1.4	3.4	- 1.4	- 5.4	- 4.1	- 1.4	1.7	- 4.1	- 1.4
22	5.2	6.9	3.4	5.2	3.4	1.7	3.4	1.7	3.4	6.9	5.2	6.9	5.2
23	8.6	10.3	6.9	12.0	13.8	8.6	10.3	8.6	10.3	10.3	8.6	10.3	3.4
24	6.9	10.3	10.3	10.3	17.2	10.3	6.9	6.9	5.2	5.2	3.4	10.3	1.7
25	10.3	8.6	3.4	5.2	5.2	3.4	5.2	5.2	3.4	6.9	8.6	10.3	5.2
26	6.9	12.0	6.9	5.2	10.3	5.2	6.9	5.2	6.9	5.2	1.7	6.9	5.2
27	15.4	13.8	13.8	12.0	10.3	5.2	3.4	1.7	1.7	3.4	3.4	8.6	5.2
28	12.0	12.0	6.9	6.9	10.3	3.4	- 1.4	- 2.7	- 1.4	5.2	8.6	10.3	8.6
29	6.9	5.2	3.4	3.4	8.6	3.4	5.2	- 1.4	1.7	1.7	1.7	3.4	5.2
30	3.4	1.7	1.7	5.2	8.6	- 1.4	3.4	1.7	- 2.7	1.7	- 1.4	6.9	3.4
31													
Prom	9.6	9.2	7.8	7.5	9.8	6.4	5.7	3.0	4.7	6.9	6.8	8.9	6.0
Var.	3.5	3.1	1.7	1.4	3.7	0.3	- 0.4	- 3.1	- 1.4	0.8	0.7	2.8	- 0.1

COMPONENTE ESTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	-12.0	- 9.3	-12.0	-13.3	-16.0	-14.6	-14.6	-12.0	-13.3	-13.3	-13.3	-14.6	-14.6
2	-10.6	- 9.3	-10.6	-13.3	-16.0	-14.6	-14.6	-13.3	-16.0	-17.3	-16.0	-14.6	-16.0
3	-13.3	-12.0	-10.6	-16.0	-16.0	-16.0	-14.6	-13.3	-16.0	-13.8	-14.6	-13.3	-14.6
4	-10.6	- 9.3	-10.6	-14.6	-14.6	-14.6	-16.0	-14.6	-14.6	-16.0	-16.0	-16.0	-14.6
5	-16.0	-13.3	-13.3	-14.6	-18.6	-14.6	-13.3	-13.3	-16.0	-16.0	-18.0	-17.3	-17.3
6	-13.3	-10.6	-10.6	-16.0	-16.0	-16.0	-18.6	-16.0	-16.0	-14.6	-17.3	-16.0	-14.6
7	-13.3	-12.0	-13.3	-16.0	-14.6	-16.0	-14.6	-13.3	-12.0	-16.0	-16.0	-16.0	-17.3
8	-13.3	-13.3	-12.0	-16.0	-16.0	-17.3	-16.0	-13.3	-14.6	-14.6	-14.6	-14.6	-17.3
9	-18.6	-17.3	-17.3	-18.6	-20.0	-21.3	-18.6	-18.6	-12.0	-	-	-	-
10	-16.0	-14.6	-16.0	-18.6	-21.3	-18.6	-18.6	-20.0	-	-	-17.3	-16.0	-20.0
11	-14.6	-13.3	-14.6	-17.3	-16.0	-16.0	-17.3	-20.0	-18.6	-21.3	-21.3	-18.6	-17.3
12	-24.0	-14.6	-16.0	-17.3	-20.0	-18.6	-20.0	-17.3	-21.3	-16.0	-17.3	-18.6	-20.0
13	-16.0	-13.3	-13.3	-17.3	-21.3	-18.6	-17.3	-17.3	-16.0	-17.3	-18.6	-17.3	-18.6
14	-16.0	-13.3	-16.0	-18.6	-20.0	-20.0	-17.3	-16.0	-17.3	-16.0	-16.0	-16.0	-17.3
15	-16.0	-13.3	-14.6	-17.3	-17.3	-18.6	-17.3	-17.3	-17.3	-16.0	-17.3	-17.3	-16.0
16	- 2.7	- 8.0	-13.3	-16.0	-17.3	-16.0	-16.0	-14.6	-16.0	-17.3	-17.3	-18.6	-17.3
17	-13.3	-13.3	-13.3	-16.0	-14.6	-18.6	-16.0	-16.0	-16.0	-16.0	-16.0	-17.3	-17.3
18	-16.0	-14.6	-13.3	-16.0	-16.0	-17.3	-14.6	-14.6	-16.0	-	-	-	-
19	-12.0	-13.3	-12.0	-16.0	-17.3	-18.6	-21.3	-20.0	-16.0	-16.0	-16.0	-16.0	-17.3
20	-10.6	-10.6	-14.6	-18.6	-18.6	-17.3	-17.3	-16.0	-17.3	-16.0	-17.3	-16.0	-17.3
21	-13.3	-12.0	-13.3	-16.0	-17.3	-17.3	-17.3	-16.0	-14.6	-17.3	-18.6	-18.6	-17.3
22	-20.0	-14.6	-14.6	-18.6	-22.6	-20.0	-22.6	-22.6	-22.6	-22.6	-24.0	-24.0	-25.3
23	-26.6	-25.3	-26.6	-31.9	-33.2	-34.6	-33.2	-31.9	-33.2	-33.2	-26.6	-26.6	-27.9
24	-30.6	-27.9	-26.6	-29.3	-29.3	-30.6	-31.9	-29.3	-27.9	-27.9	-29.3	-30.6	-30.6
25	-27.9	-27.9	-27.9	-29.3	-29.3	-29.3	-29.3	-29.3	-29.3	-30.6	-30.6	-30.6	-29.3
26	-27.9	-27.9	-29.2	-27.9	-30.6	-31.9	-31.9	-30.6	-30.6	-29.3	-31.0	-29.3	-29.3
27	-31.9	-30.6	-30.6	-34.6	-33.2	-35.9	-34.6	-31.9	-31.9	-31.9	-33.2	-33.2	-31.9
28	-37.2	-34.6	-34.6	-35.9	-33.2	-37.2	-34.6	-33.2	-33.2	-31.9	-33.2	-33.2	-33.2
29	-31.9	-31.9	-31.9	-33.2	-33.2	-34.6	-34.6	-33.2	-31.9	-30.6	-31.9	-31.9	-30.6
30	-34.6	-31.9	-31.9	-33.2	-34.6	-33.2	-33.2	-34.6	-33.2	-31.9	-33.2	-33.2	-33.2
31													
Prom	-18.7	-17.1	-17.8	-20.6	-21.5	-21.6	-21.2	-20.3	-20.4	-20.8	-21.1	-20.9	-21.2
Var.	1.9	3.5	2.8	0.0	- 0.9	- 1.0	- 0.6	0.3	0.2	- 0.2	- 0.5	- 0.3	- 0.6

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
18.9	13.8	15.4	12.0	12.0	13.8	12.0	8.6	17.2	13.8	17.2	16.0	1
15.4	15.4	12.0	8.6	3.4	3.4	17.2	18.9	17.2	15.4	13.8	10.1	2
15.4	6.9	5.2	8.6	8.6	6.9	10.3	12.0	15.4	10.3	12.0	11.7	1
6.9	6.9	3.4	3.4	5.2	10.3	6.9	10.3	8.6	12.0	17.2	11.2	2
12.0	10.3	6.9	8.6	8.6	12.0	10.3	8.6	10.3	12.0	12.0	11.5	1
8.6	3.4	3.4	5.2	8.6	3.4	6.9	6.9	12.0	10.3	10.3	8.0	1
10.3	1.7	3.4	5.2	3.4	6.9	6.9	6.9	12.0	10.3	10.3	7.7	1
8.6	3.4	3.4	- 2.7	- 1.4	3.4	10.3	5.2	24.0	20.6	13.8	7.4	2
-	-	-	-	8.6	3.4	6.9	6.9	10.3	5.2	10.3	10.1	1
6.9	3.4	5.2	1.7	1.7	1.7	3.4	8.6	6.9	10.3	12.0	5.6	1
1.7	- 6.8	- 5.4	- 2.7	1.7	- 4.1	5.2	-14.9	-16.3	3.4	32.7	3.9	2
3.4	1.7	6.9	1.7	- 2.7	3.4	- 2.7	1.7	6.9	6.9	8.6	6.5	1
5.2	6.9	6.9	3.4	- 2.7	6.9	5.2	1.7	6.9	6.9	5.2	5.6	1
3.4	1.7	3.4	1.7	1.7	- 2.7	1.7	3.4	3.4	3.4	1.7	3.3	0
8.6	- 1.4	- 6.8	- 1.4	8.6	6.9	3.4	- 1.4	5.2	3.4	8.6	3.1	1
3.4	3.4	- 2.7	- 2.7	- 1.4	- 1.4	3.4	3.4	5.2	6.9	8.6	3.1	1
1.7	- 5.4	- 1.4	1.7	1.7	3.4	- 1.4	1.7	6.9	6.9	3.4	2.6	1
-	-	-	-	-	1.7	1.7	3.4	1.7	6.9	3.4	2.8	1
- 4.1	- 2.7	- 1.4	1.7	3.4	- 1.4	- 4.1	1.7	3.4	3.4	3.4	1.8	1
- 4.1	-	-	3.4	3.4	3.4	3.4	1.7	5.2	1.7	3.4	2.1	0
- 1.4	- 2.7	- 1.4	- 1.4	- 4.1	1.7	- 2.7	- 1.4	- 1.4	1.7	- 4.1	- 0.5	0
6.9	8.6	5.2	3.4	3.4	3.4	3.4	- 1.4	6.9	6.9	6.9	4.7	1
8.6	- 2.7	3.4	-	6.9	3.4	6.9	6.9	13.8	12.0	8.6	8.2	1
3.4	1.7	1.7	1.7	3.4	1.7	1.7	3.4	8.6	8.6	10.3	6.3	1
5.2	- 1.4	- 2.7	1.7	- 1.4	- 1.4	- 1.4	1.7	1.7	8.6	5.2	4.0	1
10.3	10.3	6.9	5.2	6.9	1.7	- 1.4	5.2	10.3	20.6	12.0	7.2	2
6.9	3.4	3.4	- 1.4	- 1.4	5.2	3.4	1.7	8.6	6.9	8.6	6.0	1
6.9	6.9	10.3	1.7	3.4	3.4	- 2.7	- 1.4	10.3	8.6	6.9	5.5	2
3.4	3.4	5.2	1.7	3.4	1.7	- 2.7	- 2.7	5.2	1.7	1.7	2.9	0
1.7	1.7	1.7	- 1.4	3.4	1.7	- 1.4	- 4.1	-	-	-	1.7	1
6.2	3.4	3.4	2.4	3.3	3.5	3.7	3.4	7.8	8.5	9.1	6.1	
0.1	- 2.7	- 2.7	- 3.7	- 2.8	- 2.6	- 2.4	- 2.7	1.7	2.4	3.0		

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
-16.0	-14.6	-14.6	-16.0	-16.0	-14.6	-16.0	-16.0	-14.6	-14.6	-13.3	-14.1	0
-14.6	-13.3	-14.6	-14.6	-14.6	-16.0	-16.0	-12.0	-13.3	-14.6	-12.0	-14.1	0
-14.6	-13.3	-13.3	-14.6	-17.3	-16.0	-17.3	-13.3	-14.6	-14.6	-12.0	-14.4	0
-14.6	-14.6	-16.0	-16.0	-16.0	-16.0	-18.6	-17.3	-18.6	-16.0	-13.3	-15.0	1
-13.3	-14.6	-13.3	-16.0	-16.0	-16.0	-18.6	-14.6	-16.0	-14.6	-13.3	-15.3	0
-18.6	-17.3	-16.0	-16.0	-16.0	-17.3	-17.3	-16.0	-14.6	-14.6	-16.0	-15.6	0
-17.3	-16.0	-14.6	-18.6	-16.0	-17.3	-17.3	-13.3	-13.3	-14.6	-13.3	-15.1	0
-16.0	-14.6	-12.0	-16.0	-14.6	-16.0	-17.3	-17.3	-27.9	-18.6	-18.6	-15.9	2
-	-	-	-	-21.3	-18.6	-20.0	-18.6	-20.0	-20.0	-14.6	-18.5	1
-18.6	-17.3	-18.6	-18.6	-18.6	-18.6	-20.0	-18.6	-16.0	-16.0	-16.0	-17.9	1
-20.0	-17.3	-17.3	-20.0	-22.6	-22.6	-22.6	-22.6	-21.3	-24.0	-22.6	-19.1	1
-18.6	-17.3	-18.6	-17.3	-17.3	-18.6	-20.0	-20.0	-18.6	-18.6	-17.3	-18.5	0
-17.3	-16.0	-16.0	-17.3	-18.6	-18.6	-20.0	-20.0	-18.6	-18.6	-16.0	-17.5	0
-17.3	-17.3	-17.3	-16.0	-18.6	-18.6	-18.6	-16.0	-18.6	-17.3	-14.6	-17.1	0
-16.0	-16.0	-17.3	-17.3	-16.0	-18.6	-18.6	-17.3	-17.3	-16.0	-10.6	-16.5	0
-17.3	-14.6	-14.6	-18.6	-18.6	-18.6	-18.6	-13.3	-13.3	-13.3	-16.0	-15.3	0
-17.3	-16.0	-16.0	-17.3	-16.0	-16.0	-17.3	-14.6	-17.3	-16.0	-16.0	-16.0	0
-	-	-	-	-	-17.3	-17.3	-17.3	-16.0	-13.3	-14.6	-15.6	0
-17.3	-16.0	-17.3	-18.6	-18.6	-18.6	-17.3	-17.3	-16.0	-16.0	- 9.3	-16.4	1
-14.6	-	-	-20.0	-17.3	-17.3	-17.3	-14.6	-14.6	-14.6	-13.3	-16.0	0
-20.0	-18.6	-18.6	-16.0	-18.6	-16.0	-16.0	-16.0	-16.0	-16.0	-14.6	-16.5	0
-24.0	-24.0	-24.0	-25.3	-24.0	-26.6	-24.0	-24.0	-25.3	-24.0	-24.0	-22.6	0
-29.3	-27.9	-27.9	-	-29.3	-26.6	-30.6	-27.9	-27.9	-29.3	-30.6	-29.5	1
-29.3	-29.3	-29.3	-29.3	-29.3	-27.9	-30.6	-29.3	-29.3	-29.3	-29.3	-29.3	0
-30.6	-31.9	-31.9	-30.6	-31.9	-31.9	-30.6	-31.9	-30.6	-29.3	-27.9	-30.0	0
-30.6	-29.3	-31.9	-33.2	-31.9	-33.2	-34.6	-33.2	-31.9	-31.9	-33.2	-30.9	0
-34.6	-34.6	-33.2	-34.6	-34.6	-35.9	-38.6	-39.9	-35.9	-34.6	-37.2	-34.1	0
-31.9	-33.2	-34.6	-35.9	-34.6	-35.9	-34.6	-33.2	-33.2	-33.2	-33.2	-34.1	0
-31.9	-33.2	-33.2	-33.2	-31.9	-34.6	-34.6	-34.6	-33.2	-34.6	-31.9	-32.8	0
-34.6	-30.6	-33.2	-31.9	-33.2	-35.9	-31.9	-34.6	-	-	-	-33.2	1
-21.3	-20.7	-20.9	-21.4	-21.7	-21.8	-22.4	-21.1	-20.8	-20.3	-19.1	-20.6	
- 0.7	- 0.1	- 0.3	- 0.8	- 1.1	- 1.2	- 1.8	- 0.5	- 0.2	0.3	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	61.5	61.4	61.2	61.2	61.3	61.3	61.3	61.4	61.3	61.2	60.9	60.5	60.1	59.4	59.3
2	59.7	59.5	59.1	58.9	59.0	59.5	59.7	59.8	59.7	59.5	58.9	58.6	57.7	57.0	56.4
3	54.8	54.8	54.2	53.9	54.1	54.7	55.3	55.9	56.0	55.9	56.7	56.2	55.6	54.8	54.8
4	58.7	58.9	58.7	58.7	58.9	59.0	59.7	59.8	59.8	60.1	60.3	60.5	60.5	60.4	60.5
5	65.3	65.5	65.4	65.5	65.6	66.2	66.3	66.8	67.1	67.1	67.2	67.0	66.7	66.1	65.9
6	65.4	65.3	65.3	65.3	65.3	65.5	65.4	65.5	65.6	65.5	65.4	65.1	64.3	63.5	62.6
7	60.6	60.5	60.0	59.8	59.7	59.6	59.7	59.9	59.9	59.6	59.5	58.7	57.7	56.7	55.8
8	53.9	53.8	53.3	52.8	52.4	52.3	52.1	52.0	52.0	51.3	51.0	50.3	49.2	48.4	47.7
9	54.6	55.5	56.5	57.0	58.0	59.0	60.1	61.2	61.0	60.4	60.2	59.9	59.8	59.8	59.8
10	60.3	60.8	60.2	60.2	60.1	59.7	60.1	60.0	59.9	59.7	59.7	59.8	59.5	59.2	58.9
11	60.8	60.9	60.8	60.9	62.0	63.5	64.3	65.4	65.8	66.2	66.4	66.0	65.6	65.6	65.7
12	68.5	68.5	68.5	68.6	68.7	69.1	69.5	69.7	69.9	69.9	69.8	69.3	68.5	68.4	68.3
13	69.2	69.0	68.7	68.8	68.9	69.0	69.2	69.5	69.6	69.5	69.4	69.1	68.5	68.0	67.7
14	68.4	68.3	68.3	68.3	68.4	68.5	68.6	68.8	69.0	69.0	68.7	68.2	67.9	67.4	67.1
15	67.7	67.7	67.5	67.5	67.6	68.1	68.4	68.8	68.8	68.7	68.4	67.9	67.2	66.8	66.6
16	66.3	66.4	66.3	65.8	65.6	65.5	65.6	65.6	65.6	65.5	65.0	64.4	63.4	62.8	62.2
17	61.3	61.3	60.8	60.7	60.8	60.7	60.8	60.8	60.8	60.3	60.0	59.5	59.0	58.6	58.2
18	58.7	58.8	58.7	58.8	58.7	58.7	59.2	59.6	59.8	59.7	59.8	59.4	58.6	58.3	57.8
19	59.4	59.6	59.7	59.7	60.1	60.8	61.1	61.4	61.6	61.5	61.5	60.7	60.3	59.9	59.6
20	61.4	60.8	60.7	60.1	59.9	60.2	60.6	60.7	61.2	61.4	61.4	60.8	60.6	60.4	60.0
21	59.9	59.8	59.7	59.1	59.4	59.6	59.6	59.6	59.6	59.4	58.8	58.3	57.4	56.6	56.5
22	56.5	56.4	55.4	55.4	55.4	54.7	53.8	53.8	53.8	54.1	54.1	53.2	53.0	53.0	52.9
23	55.6	56.4	56.4	56.7	57.4	58.1	58.8	59.0	59.0	59.2	59.2	58.7	58.4	57.8	57.4
24	58.2	58.3	58.3	57.1	56.6	57.2	57.1	57.9	57.9	57.8	57.6	57.0	56.6	56.2	56.3
25	58.6	58.3	58.2	58.0	58.1	58.2	58.2	58.3	58.5	58.3	57.8	57.3	56.6	56.3	55.5
26	53.0	52.7	52.8	52.8	52.6	52.8	52.3	52.0	52.1	52.3	51.8	52.0	51.6	51.8	51.6
27	50.4	50.1	50.1	49.7	49.6	49.9	50.0	50.2	49.7	49.2	48.4	48.0	47.1	47.0	46.4
28	46.4	46.5	46.6	46.6	47.3	47.5	47.6	47.6	47.9	47.8	47.9	48.2	48.3	48.4	48.8
29	56.4	57.4	58.2	58.8	59.7	60.5	61.1	61.9	62.4	62.6	62.7	62.4	62.5	62.6	62.9
30	67.0	66.9	66.7	66.6	67.0	67.1	67.4	66.6	66.6	66.6	66.3	66.0	65.0	64.2	63.7
31															
Prom	60.0	60.0	59.9	59.8	59.9	60.2	60.4	60.6	60.7	60.6	60.5	60.1	59.6	59.5	58.9

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	18.8	18.6	17.9	17.7	17.5	17.0	17.0	19.8	21.2	22.7	23.9	24.5	25.2	26.2	25.8
2	19.1	18.8	18.3	18.0	17.7	17.6	19.1	21.0	22.6	23.9	25.0	25.8	26.8	27.0	26.7
3	20.2	19.3	19.0	18.8	18.6	18.1	18.3	20.3	22.0	22.6	19.5	21.1	22.5	23.4	23.9
4	10.7	10.0	10.2	10.3	10.4	10.3	11.0	15.7	19.0	22.0	21.8	21.6	20.7	20.7	22.3
5	10.1	9.2	8.5	7.6	7.4	6.9	7.2	9.9	12.5	14.6	15.9	16.9	18.0	18.4	18.7
6	7.6	8.8	9.2	9.4	9.7	9.9	10.2	11.0	12.5	13.8	14.8	15.8	16.3	16.9	17.6
7	5.9	5.2	5.1	4.9	4.4	4.6	5.6	11.7	16.2	17.7	19.0	20.0	20.7	21.4	21.5
8	18.9	19.0	19.1	19.2	18.9	18.7	18.7	19.0	20.5	23.4	23.9	25.5	26.8	27.6	28.8
9	15.3	15.3	14.6	13.6	13.4	12.4	12.3	11.7	12.6	13.9	15.1	16.7	17.4	17.9	18.1
10	6.9	5.9	6.4	6.1	6.2	6.4	7.5	11.6	14.8	17.9	18.8	20.0	21.0	21.2	21.2
11	7.0	7.2	7.5	8.5	9.7	9.6	9.7	9.9	11.8	12.8	14.4	15.3	15.5	16.3	16.1
12	3.5	3.6	3.6	4.0	5.3	5.3	5.5	8.3	10.8	13.0	15.8	16.3	16.9	16.9	16.8
13	8.5	8.5	7.6	7.1	6.1	5.3	5.5	11.5	15.5	17.2	17.6	17.8	18.3	18.3	18.1
14	13.2	12.1	11.9	11.9	11.9	11.6	12.3	15.8	18.2	19.2	20.8	21.4	22.3	21.6	21.7
15	14.7	14.2	14.1	14.0	13.4	12.3	13.1	16.0	18.2	20.3	20.6	20.9	21.7	22.0	21.8
16	14.6	14.5	13.8	13.6	13.2	13,3	13.4	15.8	18.4	20.5	22.5	22.7	23.5	23.1	22.8
17	16.8	16.1	15,8	15.8	15.1	15.3	15.9	17.0	18.7	21.0	20.8	22.2	22.6	23.4	23.5
18	17.9	17.4	17.3	17.3	17.2	17.1	17.2	16.9	17.4	18.4	20.3	23.3	22.9	22.8	22.6
19	18.5	18.5	17.8	17.9	18.0	18.0	17.5	18.0	19.4	20.3	22.5	23.7	24.6	25.1	24.7
20	18.5	18.2	17.8	17.2	16.6	16.3	16.4	16.5	17.4	18.3	19.2	19.4	19.6	20.2	20.3
21	16.8	16.9	16.3	16.4	16.2	16.2	16.3	17.7	19.4	21.5	23.1	23.6	23.2	24.2	24.2
22	16.4	16.3	16.5	16.6	16.7	16.8	16.9	16.9	17.0	17.0	17.7	17.9	17.5	17.3	17.3
23	16.5	16.5	16.4	16.4	16.3	16.3	16.2	16.0	16.2	16.6	17.4	17.7	19.8	20.7	20.8
24	16.9	17.0	17.1	17.1	17.2	17.3	17.4	17.5	17.5	18.2	18.4	18.4	18.4	18.4	18.4
25	17.6	17.5	17.1	16.7	16.8	17.1	17.8	18.4	18.7	19.5	19.6	19.6	19.6	19.9	20.7
26	19.3	19.3	19.2	19.1	18.9	18.6	18.4	18.0	18.4	19.2	19.3	19.4	19.3	16.5	16.1
27	13.5	13.5	13.4	13.3	13.4	13.3	12.5	11.9	12.6	14.5	14.7	14.7	15.5	16.0	16.2
28	13.3	12.8	12.0	11.3	10.1	8.9	9.0	11.1	13.2	15.5	16.6	18.4	18.5	19.0	19.2
29	10.2	10.2	9.7	9.4	9.0	8.7	8.9	8.7	8.7	8.7	9.6	10.7	11.3	12.7	12.6
30	2.7	2.1	1.7	1.2	1.1	0.7	- 0.1	3.5	7.3	10.3	11.3	12.3	13.3	13.8	13.9
31															
Prom	13.7	13.4	13.2	13.0	12.9	12.7	12.9	14.6	16.3	17.8	18.7	19.4	20.0	20.3	20.4

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
59.0	58.9	58.9	59.3	59.6	59.7	59.7	59.8	59.7	61.5	0,1	58.9	17,18	2.6	760.3 mm.	1013.7 mb.
56.5	55.8	55.7	55.7	55.6	55.4	55.0	55.0	54.8	59.8	8	54.8	24	5.0	57.6	1010.1
55.0	55.8	56.1	57.2	57.6	58.3	58.3	58.4	58.5	58.5	24	53.9	4	4.6	55.9	1007.8
60.6	60.9	61.8	62.7	63.0	64.0	64.6	64.9	65.0	65,0	24	58.5	0	6.5	60.9	1014.5
65.8	65.8	65.7	65.9	66.0	66.3	66.0	65.8	65.6	67.2	11	65.0	0	2.2	66.1	1021.4
62.4	61.9	61.9	61.6	61.7	61.5	61.5	61.4	61.2	65.6	9	61.2	24	4.4	63.8	1018.4
55.3	55.0	54.8	54.9	54.9	54.9	54.8	54.6	54.1	61.2	0	54.1	24	7.1	57.5	1010.0
47.5	47.1	47.2	48.6	49.2	50.9	52.8	53.0	54.2	54.1	0	47.1	17	7.0	51.0	1001.3
59.9	60.0	60.1	60.6	60.6	60.6	60.6	60.7	60.6	61.2	8	53.7	0-1	7.5	59.4	1012.5
59.0	59.0	59.1	59.4	59.8	60.3	60.4	60.5	60.8	60.8	2,24	58.9	15	1.9	59.8	1013.0
65.8	65.8	66.1	66.6	66.8	67.5	67.7	67.8	68.4	68.4	24	60.8	varios	7.6	65.1	1020.1
68.3	68.4	68.4	69.0	69.3	69.5	69.5	69.5	69.3	69.9	9,10	68.4	0	1.5	69.0	1025.3
67.6	67.4	67.6	68.0	68.0	68.2	68.3	68.3	68.4	69.6	9	67.4	17	2.2	68.6	1024.8
67.2	67.3	67.4	67.4	67.4	67.5	67.6	67.6	67.7	69.0	9,10	67.1	15	1.9	68.0	1024.0
66.3	66.2	66.4	66.6	66.5	66.4	66.5	66.4	66.3	68.8	8,9	66.3	24	2.5	67.3	1023.0
61.8	61.5	61.5	61.5	61.8	61.8	61.8	61.6	61.3	66.4	2	61.3	24	5.1	63.8	1018.4
58.1	57.8	57.7	57.7	57.7	58.0	58.2	58.7	58.6	61.3	varios	57.5	19-20	3.8	59.4	1012.5
57.7	57.5	57.6	57.8	58.3	58.4	58.5	58.7	59.0	59.8	11	57,5	17	2.3	58.7	1011.6
59.5	59.6	59.9	60.4	60.6	60.8	60.8	60.9	60,9	61.6	9	59,0	0	2.6	60.4	1013.8
59.8	59.7	59.7	59.8	59.9	60.0	59.9	60.0	59.9	61.5	10-11	59.7	17,18	1.8	60.4	1013.8
56.3	55.2	55.7	55.7	55.9	56.3	56.0	55.7	56.3	59.9	0,1	55,6	22-23	4.3	57.8	1010.4
52.7	52,8	53.2	53.4	54.0	54.3	54.7	55.6	55.6	56,7	0-1	52.4	16-17	4.3	54.2	1005.6
57.8	57.7	57.7	58.3	58.3	58.6	58.3	58.9	58.2	59.2	10,11	55.6	0,1	3.6	58.0	1010.6
56.5	56.7	56.1	56.7	58.2	58.2	58.2	58.2	58.3	58.3	24	56,1	18	2.2	57.4	1009.8
55.0	54.9	54.9	55.6	55.6	55.2	54.9	54.1	53.6	58.6	1	53.6	24	5.0	56.7	1008.9
50.7	50.3	50.4	51.1	51.0	50.9	50.5	50.0	50.5	53,6	0	49.8	22-23	3.8	51.6	1002.1
46.4	46.1	46.0	46.2	46.2	45.8	45.8	45.9	46.1	50.5	0	45.8	21,22	4.7	47.9	997.2
49.7	50.5	51.5	52.3	52.6	53,8	54.4	54.7	55.6	55.6	24	46.1	0	9.5	49,5	999.3
63.4	63.6	64.6	64.9	65.8	65.9	66.4	66.7	66.7	66,7	23,24	55.6	0	11.1	62.5	1016.6
63.4	63.3	63.1	63.2	63.2	63.0	63.1	63.0	62.8	67.4	7	62.8	24	4.6	65.1	1021.0
58.8	58.8	58.9	59.3	59.5	59.7	59.8	59.5	59.9	61.9		57.5		4.4	59.8	1013.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
25.3	24.6	22.4	20.8	19.9	19.8	19.9	19.8	19.5	26.4	13-14	16,8	6-7	9.6	21.1
26.3	24.8	22.6	21.4	20.6	20.3	20.4	20.5	20.5	27.0	14	17.6	6	9.4	21.9
23.7	21.8	19.2	16.4	14.4	13.2	11.7	11.3	11.0	24.3	15-16	11.0	24	13.3	18.8
21.0	19.5	18.1	15.9	14.6	14.0	13.6	12.5	11.1	22.6	14-15	10,0	2	12.6	15.7
18.4	17.2	14.1	11.6	9.5	8.6	7.1	7.5	7.3	19.0	14-15	6.9	6	12.1	11.8
16.6	15,8	13.4	11.0	9.2	8.1	7.5	7.4	6.7	17.6	15	6.7	24	10.9	11.6
21.4	20.2	17.9	16.2	14.3	15,5	18.3	18.7	18.8	21.5	15	4.3	6-7	17.2	14.4
28.6	27.6	26.3	26.2	22.6	19.9	17.1	16.2	16.3	28.8	15	16.2	23	12.6	22.0
17.8	16.9	13.6	11.5	9.3	8.4	8.4	7.9	7.5	18.1	15	7.5	24	10.6	13.4
20.5	19.5	16.1	13.5	11.9	10.1	9.3	8.3	7.9	21.2	14,15	5.5	2-3	15.7	12.9
15.6	14.4	11.7	9.3	7.4	6.9	5.4	4.8	3.6	16.3	14	3.6	24	12.7	10.4
16.3	15.3	14.2	12.2	10.2	10.0	10.1	9.9	9.6	17.1	14-15	3.5	1	13.6	10.6
17.7	16.9	14.8	13.1	11.3	11.2	11.2	12.8	13.1	18.4	14-15	5.3	6	13.1	12.7
20.6	19.8	18.1	16.9	16.8	16.8	16.3	16.0	15.3	22.4	12-13	11.6	6	10.8	16.8
21.4	20.0	17.7	16.9	15.1	14.3	14.3	14.7	14.7	22.0	14	12.3	6	9.7	16.9
22.4	20.9	18.7	18.2	16.9	16.8	16.7	16.8	16.8	24.1	12-13	13.1	6-7	11.0	17.9
22.7	22.1	20.2	20.0	20.0	19.6	19.2	19.0	18.4	23.5	15	15.1	5	8.4	19.2
21.7	20.6	19.5	18.9	18.7	18.8	18.2	18.2	18.3	23.5	12-13	16.9	8	6.6	19.1
24.1	23.1	21.0	19.9	19.5	19.9	19.3	19.0	18.4	25.3	13-14	17.5	7	7.8	20.4
21.3	20.7	18.8	18.1	17.7	17.2	17.4	17.0	16.8	21.3	16	16.3	6	5.0	18.2
22.7	20.9	19.5	18.9	18.7	19.0	19.0	19.0	17.3	24.2	14,15	16.2	5,6	8.0	19.4
17.5	17.6	17.6	17.7	17.7	17.7	17.6	17.4	16.7	17.9	12	16.3	2	1.6	17.2
20.6	19.4	18.3	18.0	17.3	17.1	16.9	16.7	16.9	20.8	15	16.0	8	4.8	17.5
18.4	18.4	18.2	18.1	18.1	18.1	18.1	18.1	18.1	18.4	varios	16.9	0,1	1.5	17.9
20.7	19.7	19.5	19.5	19.4	19.3	19.2	19.2	19.3	21.0	14-15	16.7	4	4.3	18.8
16.1	16.2	16.0	15.3	15.1	14.9	14.4	14.1	13.5	19.3	varios	13.5	24	5.8	17.3
16.2	16.1	15.0	14.8	14.8	14.7	14.7	13.9	13.3	16.2	15,16	11.9	8	4.3	14.3
17.3	16.1	14.3	12.9	12.6	11.8	11.0	10.1	10.2	19.7	13-14	8.5	6-7	11.2	13.6
12.9	11.6	9.6	7.4	6.2	5.8	5.3	4.7	3.7	12.9	16	3.7	24	9.2	9.0
13.5	12.2	8.4	6.7	5.1	5.0	4.9	5.1	5.1	13.9	15	- 0.1	7	14.0	6.7
20.0	19.0	17.2	15.9	14.8	14.4	14.1	13.9	13.5	20.8		11.2		9.6	15.9

HUMEDAD RELATIVA en %

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	89	90	96	99	100	100	100	85	76	70	67	63	61	56	55
2	94	94	95	96	98	97	95	81	75	69	64	65	58	55	58
3	82	89	93	97	98	100	100	91	82	79	75	61	54	52	50
4	100	100	100	100	100	100	100	82	67	58	59	62	61	59	50
5	81	86	91	97	98	99	98	80	70	59	51	45	46	43	41
6	84	85	88	84	85	85	87	86	83	79	75	67	65	63	62
7	100	100	100	100	100	100	100	87	76	66	65	61	58	60	60
8	69	70	73	77	76	74	73	72	67	61	61	60	60	59	56
9	88	88	49	54	54	62	57	57	45	40	38	36	37	38	37
10	95	99	95	100	97	94	82	70	60	46	43	36	32	32	31
11	100	99	90	84	74	93	91	76	67	59	50	46	46	46	43
12	100	100	100	100	95	95	98	83	78	63	53	51	51	55	56
13	99	100	100	100	100	100	100	97	77	64	58	52	47	45	49
14	97	99	100	100	100	100	100	91	79	70	61	58	56	54	57
15	85	87	87	86	89	94	91	82	67	59	61	61	57	55	53
16	93	90	92	92	94	93	95	85	72	65	60	58	54	55	56
17	87	92	96	96	99	96	89	80	69	64	64	61	60	58	57
18	79	82	85	86	88	90	89	84	81	75	66	55	58	61	61
19	92	92	96	95	91	91	96	90	84	80	72	67	62	54	56
20	81	82	84	86	88	88	88	85	79	76	74	73	72	71	70
21	89	88	92	91	94	94	94	83	74	63	57	56	55	50	51
22	100	100	100	100	100	100	100	100	98	98	94	92	98	100	98
23	100	100	100	100	100	100	99	100	100	100	100	98	89	82	82
24	99	99	100	100	100	100	100	98	96	92	89	87	87	87	87
25	98	99	100	100	100	100	100	96	94	91	92	92	91	89	85
26	96	97	96	97	97	100	100	100	94	91	92	91	94	100	100
27	100	100	99	99	99	100	100	100	92	88	85	86	83	83	80
28	97	97	92	91	87	95	99	86	78	68	64	59	57	54	54
29	85	84	94	89	90	91	90	84	82	79	76	73	70	66	63
30	100	100	100	100	100	100	100	92	79	62	55	52	49	46	46
31															
Prom.	92	93	93	93	93	94	94	86	78	71	67	64	62	61	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	14.0	14.0	14.5	14.5	14.5	14.0	14.0	14.6	14.5	13.5	14.5	14.0	14.5	14.1	13.0
2	15.0	15.0	14.5	15.0	14.5	14.5	15.0	14.9	14.5	14.5	14.5	15.5	15.0	14.5	15.0
3	14.5	14.5	15.0	15.5	15.5	15.0	15.0	16.0	16.0	15.5	12.0	11.5	10.5	11.1	10.5
4	9.0	8.5	9.0	9.0	9.0	9.0	9.5	11.0	11.0	11.0	11.0	12.0	11.0	10.9	9.5
5	7.6	7.6	7.6	7.4	7.4	7.2	7.4	7.3	7.2	7.0	7.0	6.0	7.2	6.8	6.8
6	6.4	6.8	7.6	7.2	7.4	7.4	8.0	8.5	8.5	9.0	9.0	9.0	8.5	8.9	9.0
7	6.8	6.4	6.4	6.2	6.0	6.2	6.6	8.9	10.5	10.0	10.0	10.5	10.5	11.0	11.0
8	11.0	11.0	12.0	12.5	12.5	11.5	11.5	11.5	12.0	13.0	13.5	14.0	15.0	15.5	17.0
9	11.0	11.0	5.8	6.0	6.0	6.6	6.0	5.9	4.6	4.4	4.8	5.2	5.4	5.6	5.8
10	6.8	6.6	6.6	6.8	6.8	6.6	6.4	6.8	7.2	7.2	6.8	6.6	6.0	6.1	6.0
11	7.2	7.2	6.8	6.8	6.4	8.0	8.0	7.0	6.8	6.2	5.8	6.2	6.2	6.2	5.8
12	5.6	5.6	5.6	5.8	6.0	6.0	6.4	6.8	7.4	7.0	7.0	7.2	7.4	7.9	8.0
13	8.0	8.0	7.6	7.2	6.8	6.4	6.4	9.9	10.0	9.0	8.5	7.8	7.4	7.2	7.4
14	11.0	10.0	10.0	10.0	10.0	9.5	10.0	12.1	12.0	11.0	11.0	10.5	11.5	10.4	11.0
15	10.0	10.5	10.5	10.0	10.0	9.5	10.0	11.1	10.5	10.0	11.0	11.0	11.0	10.0	10.0
16	11.5	10.5	10.5	10.5	10.5	10.5	10.5	11.0	11.0	11.0	11.5	11.5	11.0	11.4	11.5
17	12.0	12.5	13.0	13.0	12.5	12.5	11.5	11.4	10.5	11.5	11.0	12.5	11.5	12.0	12.0
18	11.5	12.0	12.0	12.5	12.5	12.5	12.5	12.1	12.0	11.0	12.0	11.0	12.0	12.5	12.5
19	14.5	14.5	14.5	14.0	14.0	14.0	14.5	13.8	13.5	13.5	14.5	14.5	14.0	12.6	13.0
20	13.0	12.5	12.5	12.5	12.0	12.0	12.0	11.9	11.5	12.0	12.0	12.0	12.0	12.5	12.0
21	12.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.0	12.0	12.0	12.5	11.0	11.1	11.5
22	13.5	13.0	13.5	13.5	13.5	13.5	13.5	14.0	14.0	14.0	13.5	14.0	14.5	14.0	14.0
23	13.5	13.5	13.5	13.5	13.5	13.5	13.0	13.0	13.0	13.5	14.0	14.5	15.0	15.0	15.0
24	13.5	14.0	14.0	14.0	14.0	14.0	14.0	14.6	14.5	14.0	13.5	13.5	13.5	13.5	13.5
25	14.5	14.5	14.0	13.5	13.5	14.0	14.5	14.9	14.5	15.5	15.5	15.5	15.5	15.3	15.0
26	16.0	16.0	16.0	16.0	15.5	15.5	15.0	15.0	15.0	15.0	15.0	15.5	15.0	14.0	13.0
27	11.0	11.0	11.0	11.0	11.0	11.0	10.5	10.4	10.0	10.5	10.0	10.5	10.5	11.3	10.5
28	11.0	10.5	9.5	9.0	8.0	7.8	8.0	8.5	8.5	8.5	8.5	9.0	9.0	8.7	8.5
29	7.6	7.6	8.0	7.6	7.4	7.6	7.4	7.0	6.8	6.4	6.8	6.8	6.6	7.2	6.8
30	5.4	5.2	5.0	4.8	4.8	4.6	4.4	5.4	5.8	5.8	5.2	5.6	5.4	5.3	5.6
31															
Prom.	10.8	10.8	10.6	10.6	10.5	10.4	10.5	10.6	10.8	10.8	10.7	10.9	10.8	10.8	10.7

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
57	61	70	76	87	92	93	91	90	100	varios	55	15	45	80
60	67	75	79	87	93	94	85	82	98	5	55	14	43	80
50	46	61	73	82	89	98	100	100	100	varios	45	16-17	55	79
60	61	63	71	79	80	74	72	77	100	varios	47	14-15	53	76
42	43	59	74	86	85	87	88	86	100	6-7	39	15-16	61	72
66	68	80	93	97	99	100	100	100	100	varios	60	14-15	40	82
58	66	78	92	100	89	70	72	70	100	varios	56	15-16	44	80
57	62	67	66	67	89	88	74	73	89	21	56	15	33	69
34	40	63	80	85	75	76	84	94	94	24	34	16	60	59
33	39	64	78	82	93	93	98	97	100	4	30	14-15	70	70
45	50	62	81	91	96	99	100	100	100	varios	42	15-16	58	74
59	61	69	78	89	86	89	92	95	100	varios	48	12-13	52	79
54	62	75	87	96	99	100	97	94	100	varios	45	14	55	81
58	65	73	83	83	88	92	92	88	100	varios	48	13-14	52	81
55	61	71	81	89	97	99	98	97	99	22	53	15	46	78
63	68	80	89	90	85	86	84	85	97	0	52	13-14	45	78
60	65	71	62	65	71	75	75	75	99	5	57	15	42	74
64	72	82	88	86	86	93	94	93	94	23	53	12-13	41	79
59	62	71	76	79	74	76	79	80	98	6-7	53	13-14	45	78
63	64	74	79	82	84	84	84	86	88	varios	63	16	25	79
54	64	76	83	81	80	81	82	99	99	24	50	14	49	76
99	99	99	99	100	100	100	100	100	100	varios	91	11-12	9	99
86	91	95	100	100	100	99	98	99	100	varios	80	13-14	20	96
86	86	86	86	85	87	92	96	98	100	varios	85	20	15	93
86	90	94	93	93	98	98	99	97	100	varios	82	15-16	18	95
98	97	99	100	100	100	100	100	100	100	varios	91	10,12	9	97
81	87	93	96	95	99	100	100	100	100	varios	78	15-16	22	94
60	63	69	81	79	78	82	88	92	100	0	51	14-15	49	78
61	66	74	88	88	97	88	91	98	98	24	59	16-17	39	82
47	57	79	91	94	97	94	94	98	100	varios	45	14-15	55	80
62	66	76	84	87	90	90	90	91	98		57		41	81

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
13,5	14,0	13,5	14,0	15,0	15,5	16,0	15,5	14,5	16,0	22	13,0	15	3,0	14,3
14,5	15,5	14,5	14,5	15,7	16,5	16,5	14,5	14,5	16,5	21,22	14,5	varios	2,0	14,9
10,0	9,0	10,0	10,0	10,2	9,5	10,0	9,5	9,5	16,0	8,9	9,0	17	7,0	12,3
10,5	10,5	9,5	9,5	9,8	9,0	8,0	7,8	7,6	12,0	12	7,6	24	4,4	9,7
6,6	6,2	6,8	7,2	7,7	6,8	6,6	6,6	6,6	7,7	20	6,0	12	1,7	7,0
9,5	9,0	8,5	9,0	8,4	7,8	7,4	7,4	7,0	9,5	16	6,4	1	3,1	8,1
10,5	11,5	11,5	12,5	11,5	11,5	10,5	11,5	10,5	12,5	19	6,0	5	6,5	9,5
16,5	17,0	17,0	17,0	13,7	15,0	12,5	10,0	10,0	17,0	varios	10,0	23,24	7,0	13,4
5,0	5,4	7,2	7,8	7,5	5,8	6,2	6,4	7,0	11,0	1,2	4,4	10	6,6	6,4
5,8	6,2	8,5	8,5	8,6	8,5	8,0	7,8	7,6	8,6	20	5,8	16	2,8	7,0
5,6	5,8	6,4	7,2	7,0	7,2	6,4	6,2	5,6	8,0	6,7	5,6	16,24	2,4	6,6
7,8	8,0	8,0	8,0	8,0	7,8	8,0	8,0	8,0	8,0	varios	5,6	varios	2,4	7,1
7,8	9,0	9,0	9,5	9,5	9,5	9,5	10,5	10,5	10,5	23,24	6,4	6,7	4,1	8,4
10,0	10,5	11,0	11,5	11,9	12,5	12,5	12,5	11,0	12,5	varios	9,5	6	3,0	11,0
10,0	10,5	10,5	11,5	11,4	11,5	11,5	12,0	12,0	12,0	23,24	9,5	6	2,5	10,7
12,5	12,0	12,5	13,5	12,8	11,5	12,0	11,5	11,5	13,5	19	10,5	varios	3,0	11,4
11,5	12,0	12,5	10,5	11,4	12,0	12,0	11,5	11,0	13,0	3,4	10,5	9,19	2,5	11,8
12,0	13,0	13,5	14,0	13,8	14,0	14,0	14,0	14,0	14,0	varios	11,0	varios	3,0	12,6
12,5	13,0	13,0	13,0	13,0	12,5	12,5	12,5	12,0	14,5	varios	12,0	24	2,5	13,4
11,5	11,0	11,5	12,0	12,0	12,0	12,0	11,5	12,0	13,0	1	11,0	17	2,0	12,0
10,5	11,5	13,0	13,0	12,9	12,5	13,5	13,5	14,0	14,0	24	10,5	16	3,5	12,3
14,5	14,5	14,5	14,5	14,5	14,5	14,5	14,0	13,5	14,5	varios	13,0	2	1,5	14,0
14,5	15,5	14,5	15,0	14,6	14,0	13,5	13,5	13,5	15,5	17	13,0	varios	2,5	14,0
13,5	13,5	13,5	13,5	13,1	13,5	14,0	15,0	15,0	15,0	23,24	13,1	20	1,9	13,9
15,5	15,0	15,5	15,5	15,5	16,0	16,0	16,0	16,0	16,0	varios	13,5	4,5	2,5	15,0
13,0	13,0	13,0	12,5	12,5	12,0	11,5	11,5	11,0	16,0	varios	11,0	24	5,0	14,1
10,5	11,5	11,5	12,0	12,0	12,0	12,0	11,5	11,0	12,0	varios	10,0	9,11	2,0	11,0
8,5	8,5	8,0	9,0	8,6	7,8	8,0	8,0	9,0	11,0	0,1	7,8	6,21	3,2	8,7
6,8	6,8	6,4	6,6	6,3	6,6	5,8	5,8	5,8	9,0	0	5,8	varios	3,2	6,8
5,4	6,0	6,2	6,6	6,1	6,2	6,0	6,0	6,4	6,6	19	4,4	7	2,2	5,6
10,5	10,8	11,0	11,3	11,2	11,0	10,7	10,7	10,6	12,5		9,2		3,3	10,8

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

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
;	8	E	6	E	7	E	4	E	4	E	4	E	5	E	4	E	4	NE	15	6	20	NE	13.44
NE	8	E	4	E	4	E	6	E	4	E	3	E	7	NE	7	NE	8	NE	12	5	14	NE	13.44
V	9	SW	10	SW	4	W	2	C	1	C	1	C	1	C	1	W	2	NE	5	6	43	S	10.43
V	6	W	4	W	4	W	3	W	4	W	4	S	6	S	7	S	3	W	17	4	16	W	14.55
;	3	S	2	C	0	C	0	C	0	C	0	C	1	C	0	S	3	S	18	3	13	S	9.44
N	3	NE	2	NE	3	C	0	C	0	C	0	C	0	C	0	C	0	C	13	1	7	N	13.28
N	8	NE	7	E	5	C	1	E	2	E	3	NE	7	NE	9	NE	7	C	9	4	24	NE	13.29 15.40
N	10	N	8	N	8	N	9	N	10	W	14	W	20	S	14	S	8	N NE	10	11	47	N	13.44
S	3	C	1	C	0	C	0	C	0	C	1	C	0	C	0	S	2	S	17	4	23	S	9.12
S	4	S	2	C	1	C	0	C	0	C	1	C	1	C	1	C	0	C	13	2	10	S	10.24
S	8	S	4	S	2	C	0	C	0	C	0	C	0	C	0	C	1	S	13	5	29	S	5.50 7.54
E	6	E	2	E	2	C	0	C	1	SE	3	SE	2	C	1	SE	2	C	11	2	16	E	13.27
E	4	E	4	E	2	C	1	C	0	E	3	E	2	E	5	E	5	E	17	3	18	E	9.52
E	3	E	3	E	2	E	3	E	2	E	4	E	2	E	4	E	4	E	13	4	18	NE	10.50
E	3	E	3	C	1	C	1	E	3	C	0	C	0	C	1	E	2	E	11	3	12	E	12.44
NE	8	E	6	E	3	E	4	E	3	E	2	E	5	NE	5	NE	6	NE	13	6	22	N	10.04
NE	4	E	2	E	2	E	4	E	4	NE	5	NE	4	NE	9	NE	8	NE	20	6	24	NE	22.24
E	3	E	3	E	2	E	2	E	2	E	2	E	3	NE	3	NE	2	NE	16	5	20	NE	10.34 11.52
E	4	E	3	E	2	E	3	E	3	E	4	NE	4	NE	5	NE	6	NE	16	4	18	NE	23.52
E	4	E	4	C	1	E	3	E	3	C	1	E	3	E	3	E	3	NE E	11	4	12	E	15.16
NE	5	E	2	E	2	E	3	E	3	E	3	E	2	E	2	E	3	E	12	4	25	NE	10.08
C	0	C	0	C	1	C	0	C	1	C	1	C	1	C	1	C	1	C	15	2	20	E	8.04
C	0	C	1	E	2	E	2	E	2	E	3	E	6	E	3	E	4	C	12	1	10	E	21.01
C	1	E	3	E	3	E	2	E	2	E	2	C	0	E	3	C	0	E	19	3	12	E	4.36
E	3	E	3	E	4	E	4	E	6	E	8	E	5	E	5	E	10	E	17	4	22	E	23.08
S	2	C	0	W	2	W	3	C	0	W	2	C	0	S	2	C	1	E	10	3	24	E	1.20
W	3	NW	2	C	1	NW	2	W	6	W	8	SW	10	SW	14	SW	12	W	14	4	30	SW	21.56 22.42
W	20	W	16	W	14	W	8	W	10	W	12	W	12	W	16	W	16	W	24	13	40	W	12.12 14.00
SW	8	SW	6	W	3	C	0	W	2	C	1	SW	2	C	1	SW	2	SW	19	8	29	SW	9.34
W	4	C	1	C	1	C	0	C	0	C	0	N	2	C	0	C	1	C	15	2	16	W	11.55
E		E		E C		E		E		E C		C		E		E		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		48 Km.		
14		14		12		14		12		10		11		8		8					DIREC.	DÍA	HORA
	5		4		3		2		2		3		4		4		4	E	176	4	N	8	de 10.55 a 11.00

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			15	96	9	46												142
2	2	16	12	66	6	28											4	114
3	4	34	5	34					3	15	4	31	3	13	1	7	4	138
4									3	16	2	6	17	67			2	90
5									18	68							6	69
6	6	21	2	5			2	4	1	2							13	36
7	8	65	4	30	3	10											9	107
8	10	112	10	107					2	22			2	34				275
9									17	99							7	101
10							2	5	9	32							13	44
11									13	94			3	15			8	111
12					6	23	4	10	3	9							11	48
13					17	60	1	2									6	64
14			8	47	13	44											3	93
15			7	26	11	40											6	70
16	5	54	13	62	6	23												139
17			20	144	4	12												156
18			16	93	8	23												116
19			16	76	8	28												104
20			11	50	11	36											2	88
21			10	65	12	30											2	97
22					9	41											15	51
23			1	2	7	22	1	3					3	6			12	37
24					19	60											5	63
25					17	87	5	12									2	100
26					10	35			3	7			4	17			7	62
27											3	36	14	51	3	7	4	97
28													24	310				310
29											19	183	2	5			3	190
30	1	2											8	39			15	47
31																		
SUMAS	36	302	150	903	176	648	15	36	72	364	28	256	80	559	4	14	159	3159
% PREVAL POR VELOCIDAD	9.6		28.6		20.5		1.1		11.5		8.1		17.7		0.4		2.4	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	9		6		4		2		5		9		7		3		0.5	105

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1		9	2	3	2	1	3		10
1 - 2		10	5		2	1	2		10
2 - 3		10	2		3	1	4		10
3 - 4		11	3	2	2	1	4		7
4 - 5		12	3	1	3	1	5		5
5 - 6	1	8	7		3	1	3		7
6 - 7	1	7	5	3	3	1	2		8
7 - 8	1	8	5	1	4	1	3		7
8 - 9	4	9	5		4	1	3		4
9 - 10	3	10	5		4	2	3	1	2
10 - 11	4	8	5		5	3	3		2
11 - 12	4	6	7	1	5	1	4		2
12 - 13	4	7	6		5	1	3	1	3
13 - 14	3	7	7		5	1	5		2
14 - 15	3	5	8	1	5	2	4		2
15 - 16	3	4	9		5	1	5		3
16 - 17	1	2	14		3	2	2	1	5
17 - 18	1	1	14		1	1	4		8
18 - 19	1		12				4	1	12
19 - 20	1		14				4		11
20 - 21		1	12	1			5		11
21 - 22	1	3	10	1	1	2	2		10
22 - 23		6	8		3	1	1		11
23 - 24		6	8	1	4	2	2		7
SUMAS	36	150	176	15	72	28	80	4	159
% de frec. por dirección	5.0	20.8	24.4	2.1	10.0	3.9	11.1	0.6	22.1

NUBES. VISIBILIDAD

DÍAS	NUBES 8h CLASE	0-8	NUBES 12h CLASE	0-8	NUBES 14h CLASE	0-8	NUBES 18h CLASE	0-8	NUBES 20h CLASE	0-8	VISIBILIDAD 8h	14h	20h
											90 - 99		
1	Claro	0	Cu	6	Cu	5	Claro	0	Claro	0	99	98	98
2	Claro	0	Cu	5	Cu	2	Claro	0	Claro	0	8	8	7
3	Sc	7	St	8	Ac	7	Claro	0	Claro	0	8	8	8
4	Ac	7	St	8	St	8	Ac	1	Claro	0	8	8	7
5	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	7
6	St	8	St	8	Sc	8	Claro	0	Claro	0	7	7	7
7	Claro	0	Cu	1	Claro	0	Claro	0	Ac	4	7	9	8
8	Sc	8	Sc Ac	7	Sc 5 Ac 2	7	St	8	St	8	8	7	7
9	Sc 1 Ac 5	6	Ci	3	Ac	5	Ac	3	Ac	2	8	9	8
10	Ci	3	Claro	0	Ci	3	Ac	5	Ac	2	7	8	8
11	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	8	8
12	Cs	6	Ci 5 Cu 3	8	Cu 1 Cs 7	8	Ci	3	Claro	0	7	8	6
13	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	7	8	7
14	Ci	3	Ci	5	Cu 1 Cs 6	7	Ci	3	Ci	4	8	8	8
15	Ci	1	Cu	2	Cu	2	Claro	0	Claro	0	8	8	7
16	Claro	0	Cu	5	Cu	4	Ci	3	Ci	4	8	8	7
17	Sc 5 Cs 3	8	Ac 4 Cs 3	7	Cs	8	Ac 1 Ci Cs 4	5	Cs	8	8	8	8
18	Sc	8	Ac 4 Cu 1 Cc 1	6	As	7	As	8	As	8	8	7	7
19	Sc	7	Cu 1 Ci 2	3	Cu 1 Ci 4	5	Ci	5	Ci	5	8	8	7
20	As	8	Sc	8	Sc	8	Ac	4	Ac	6	8	8	8
21	Ci Cs	8	Ci	3	Ci Cs	8	As	8	As	8	8	7	7
22	St	8	Fs	8	St	8	St	8	St	8	7	6	7
23	Niebla	8	St	8	Sc 2 Ci 6	8	St	6	St	8	1	6	6
24	St	8	St	8	St	8	St	8	St	8	8	7	7
25	St	8	St	8	St	8	St	8	St	8	7	7	7
26	St	8	St	8	Fs	8	Sc	2	Sc	4	7	7	8
27	St	8	Sc	8	Sc	8	Sc	8	Sc	8	7	8	8
28	Claro	0	Cu 1 Ac 2	3	Cu	6	Sc	3	Claro	0	9	9	8
29	Sc	4	Sc	7	Sc	6	Claro	0	Claro	0	7	8	8
30	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	8	8
31													
Prom.		5		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	41.1	25.6	1.26	1	5	5	
	10	43.4	27.5	1.29	2	5	5	
1	12	42.2	28.6	1.10	6	3	5	
	14	48.8	31.3	1.42	5	5	5	
	15	42.5	29.4	1.06	4	3	5	
	9	40.8	25.9	1.21	0	5	5	
	10	44.7	28.7	1.30	0	5	5	
2	12	37.0	27.5	0.77	5	3	5	
	14	46.8	31.2	1.27	2	5	5	
	15	44.9	30.9	1.14	3	5	5	
	9	32.4	24.2	0.67	6	2	5	
	10	28.0	23.9	0.33	8	0	5	
3	12	37.9	25.4	1.02	8	1	5	
	14	35.4	24.8	0.86	7	1	5	
	15	43.4	28.6	1.20	4	3	5	
	9	39.9	23.8	1.31	4	3	5	
	10	47.0	28.6	1.50	3	5	5	
4	12	27.6	22.1	0.45	8	1	5	
	14	28.2	22.0	0.50	8	1	5	
	15	29.4	23.2	0.50	7	1	5	
	9	33.2	16.7	1.34	0	5	5	
	10	37.0	19.7	1.41	0	5	5	
5	12	40.3	22.9	1.41	0	5	5	
	14	40.0	23.5	1.34	0	5	5	
	15	37.8	22.8	1.22	0	5	5	
	9				8	0	2	Ne., Am.
	10				8	0	2	Ne., Am.
6	12				8	0	3	Ne., Am.
	14				8	0	3	Ne., Am.
	15	35.6	21.5	1.15	8	2	4	Ne.
	9	36.1	20.6	1.26	0	5	5	
	10	39.4	22.9	1.34	1	5	5	
7	12	41.2	25.1	1.31	1	5	5	
	14	42.0	25.9	1.31	0	5	5	
	15	40.2	25.9	1.16	0	5	5	
	9	31.0	22.6	0.68	7	1	5	
	10	40.4	26.7	1.11	7	3	5	
8	12	41.6	29.5	0.98	7	3	5	
	14	37.2	30.0	0.58	7	1	5	
	15	41.0	32.2	0.72	4	5	5	
	9	33.0	17.4	1.27	3	4	5	
	10	32.7	18.8	1.13	6	4	5	
9	12	39.9	22.3	1.43	3	5	5	
	14	41.0	23.4	1.43	5	4	5	
	15	40.6	23.1	1.42	5	3	5	
	9	35.8	19.7	1.31	3	4	4	B.
	10	39.6	22.6	1.38	2	5	5	
10	12	42.6	25.6	1.38	0	5	5	
	14	40.1	25.9	1.15	3	5	5	
	15	40.0	25.1	1.21	3	5	5	
	9	33.0	16.5	1.34	0	5	5	
	10	35.6	18.4	1.40	0	5	5	
11	12	38.9	21.0	1.46	0	5	5	
	14	38.0	21.4	1.35	0	5	5	
	15	36.6	20.9	1.28	0	5	5	
	9	16.3	12.0	0.35	7	2	3	Ne.
	10	32.2	17.8	1.17	6	2	3	Ne.
12	12	29.2	19.0	0.83	8	2	3	Ne.
	14	33.7	20.7	1.06	3	4	5	
	15	35.3	20.7	1.19	3	4	5	
	9	35.2	19.9	1.24	1	5	5	
	10	38.4	22.0	1.33	2	5	5	
13	12	39.6	23.1	1.34	0	5	5	
	14	38.3	22.9	1.25	0	5	5	
	15	37.4	22.4	1.22	0	5	5	
	9	38.5	22.5	1.30	4	5	5	
	10	38.5	20.9	1.43	6	4	5	
14	12				5	4	5	s/R.
	14	39.9	23.2	1.36	6	4	5	
	15	41.1	26.8	1.16	6	5	5	
	9	38.8	22.5	1.33	1	5	5	
	10	41.1	24.9	1.32	1	5	5	
15	12	42.4	25.9	1.34	2	5	5	
	14	42.4	26.4	1.30	2	5	5	
	15	40.2	25.5	1.20	1	5	5	
	9	37.8	22.6	1.24	0	5	5	
	10	41.1	25.4	1.28	0	5	5	
16	12	37.0	26.0	0.88	5	3	5	
	14	39.5	27.0	1.02	4	3	5	
	15	39.4	23.7	1.28	3	3	5	

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9	38.0	28.0	0.81	4	5	5	
	10	43.6	26.4	1.40	6	5	5	
17	12	38.5	26.0	1.02	7	5	5	
	14	36.7	26.0	0.87	8	4	5	
	15	37.0	26.4	0.86	8	3	5	
	9	21.2	18.4	0.23	7	0	5	
	10	26.5	20.1	0.52	6	1	5	
18	12	44.7	28.2	1.34	6	3	5	
	14	34.8	25.2	0.78	7	3	5	
	15	29.4	23.6	0.47	7	2	5	
	9	25.3	20.4	0.40	7	1	5	
	10	31.1	22.5	0.70	6	2	5	
19	12	44.1	28.3	1.28	3	3	5	
	14	44.6	29.5	1.23	4	5	5	
	15	37.6	27.0	0.86	6	3	5	
	9	22.8	18.4	0.36	8	0	5	
	10	23.6	19.4	0.34	8	0	5	
20	12	25.7	20.6	0.41	8	0	5	
	14	25.5	21.1	0.36	8	0	5	
	15	27.1	21.9	0.42	6	0	5	
	9	35.9	22.7	1.07	4	4	5	
	10	41.2	26.2	1.22	3	4	5	
21	12	43.6	28.3	1.24	3	4	5	
	14	42.6	28.3	1.16	8	4	5	
	15	41.7	27.7	1.14	7	4	5	
	9				8	0	3	LL., Ne.
	10				8	0	3	Ne., Am.
22	12	20.2	18.4	0.15	8	0	2	Ne.
	14				8	0	3	Ne., Z.
	15				8	0	5	Z.
	9				8	0	2	Niebla
	10	24.7	24.2	0.04	8	0	3	Ne.
23	12	30.1	21.8	0.67	8	0	3	Ne.
	14	31.6	22.7	0.72	8	3	3	Ne.
	15	30.1	22.9	0.58	8	2	4	Ne.
	9	20.2	18.5	0.14	8	0	5	
	10	23.0	19.6	0.28	8	0	5	
24	12	22.6	19.8	0.23	8	0	5	
	14	21.1	19.0	0.17	8	0	3	Ne.
	15	21.3	19.0	0.19	8	0	3	Ne.
	9	21.6	19.7	0.15	8	0	5	
	10	28.3	21.8	0.53	8	0	5	
25	12	23.0	20.3	0.22	8	0	5	
	14	22.8	20.5	0.19	8	0	5	
	15	29.5	23.5	0.49	8	4	5	
	9	21.0	19.0	0.16	8	0	5	
	10	24.3	20.4	0.32	8	0	5	
26	12				8	0	5	Z.
	14				8	0	5	LL.
	15				8	0	5	LL.
	9	22.4	15.2	0.58	7	0	5	
	10	23.7	16.5	0.58	8	0	5	
27	12	20.3	16.3	0.32	8	0	5	
	14	19.4	16.2	0.26	8	0	5	
	15	22.2	17.9	0.35	8	0	5	
	9	31.6	17.2	1.17	0	5	5	
	10	36.2	20.6	1.27	1	5	5	
28	12	33.4	21.7	0.95	3	3	5	
	14	31.7	22.0	0.79	6	3	5	
	15	37.2	23.0	1.15	3	3	5	
	9	14.4	9.9	0.36	8	0	5	
	10	16.2	10.8	0.44	8	0	5	
29	12	27.1	15.0	0.98	7	2	5	
	14	29.6	16.6	1.06	6	3	5	
	15	32.1	17.1	1.22	6	3	5	
	9	26.8	11.6	1.24	0	5	5	
	10	32.1	15.6	1.34	0	5	5	
30	12	34.7	18.0	1.36	0	5	5	
	14	34.1	18.0	1.31	0	5	5	
	15	31.9	17.3	1.19	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	N.EFECTIVA	N.TEÓR.ASTRON	N.RELATIVA
1			0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.9	11.6	85
2			0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		10.1	11.6	87
3			0.7	1.0	0.6	0.1	0.5	0.6	0.9	0.5	1.0	1.0	0.3		7.2	11.5	63
4			0.2	1.0	1.0	0.3				0.5					3.0	11.5	26
5		0.1	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		10.1	11.5	88
6										0.2	0.6	0.5			1.3	11.4	11
7			0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1		9.2	11.4	81
8				0.2	0.9	0.7	0.5	0.5	0.8	1.0	1.0	0.7			6.3	11.4	55
9				0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		8.7	11.3	77
10			0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.2	11.3	81
11			0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1		9.3	11.3	82
12				0.1	0.2	1.0	0.9	0.6	0.5	0.9	0.9	0.1			5.2	11.2	46
13				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9			8.9	11.2	80
14				1.0	0.9	0.4	1.0	1.0	0.8	0.4	0.7				6.2	11.1	56
15				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8			8.8	11.1	79
16			0.1	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.0	11.1	81
17				0.5	1.0	0.6	0.1	1.0	1.0	0.6	0.1	0.5			5.4	11.0	49
18						0.1	0.8	1.0	0.7	0.8	0.6	0.2			4.2	11.0	38
19					0.4	0.6	1.0	1.0	1.0	1.0	1.0	0.9			6.9	11.0	63
20											1.0	0.5			1.5	10.9	14
21				0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.7				7.6	10.9	70
22															0.0	10.9	00
23								0.2	0.5	0.5					1.2	10.8	11
24															0.0	10.8	00
25										0.1	0.1				0.2	10.8	02
26															0.0	10.8	00
27				0.2	0.8										1.0	10.7	09
28			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.3	10.7	87
29			0.2	0.1				0.2	0.8	1.0	1.0	1.0			4.3	10.7	40
30			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.3	10.6	88
31																	
Medias		0.0	0.2	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.0		5.8	11.1	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	20.7	24.4	22.7	20.9	22.9	22.7	20.0	20.2	20.7	20.7	20.6	20.7	-	-	-
2	21.0	25.5	23.2	21.1	23.6	23.2	20.2	20.5	20.8	20.7	20.8	21.0	-	-	-
3	21.4	23.8	21.2	21.6	22.6	22.0	20.4	20,4	20.6	21.0	21.0	21.0	-	-	-
4	18.8	21.4	20.3	19.4	20.9	20.7	19.1	19,2	19.3	20.3	20.0	20,0	-	-	-
5	17.1	21.4	18.9	18.2	20.4	19.0	18.0	18.2	18.6	19.5	19.4	19.2	-	-	-
6	17.0	19.0	17.8	17.9	18.4	18.5	17.3	17.3	17.3	18.5	18.3	18.3	-	-	-
7	15.2	20.3	19.0	16.4	19.0	19.0	16.4	17.8	17.4	18.0	18.0	18.8	-	-	-
8	18.8	22.0	21.8	18.5	20.5	20.9	17.0	17.4	18.3	18.0	18.1	18.6	-	-	-
9	17.7	20.2	18.0	18.5	19.6	18.9	17.4	17.6	17.7	18.6	18.8	18.2	-	-	-
10	15.2	20.3	18.3	16.4	17.9	18.6	16.1	16.6	17.2	17.7	17.8	17.8	-	-	-
11	15.4	18.9	16.7	16.2	18.2	17.6	15.8	16.1	16.3	17.4	17.4	17.2	-	-	-
12	14.1	17.6	16.4	15.2	17.0	16.9	14.9	15.0	15.6	16.4	16.0	16.5	-	-	-
13	14.4	18.5	16.8	15.2	17.4	17.2	14.8	15.2	15.2	16.3	16.4	16.4	-	-	-
14	15.6	19.6	18.4	16.0	18.1	18.2	15.0	15.3	16.0	16.0	16.2	16.7	-	-	-
15	16.4	20.4	18.6	16.8	18.9	18.8	15.7	16.0	16.0	16.4	16.5	16.4	-	-	-
16	17.0	20.6	18.8	17.2	19.0	18.8	16.1	16.4	16.8	16.8	16.7	17.2	-	-	-
17	17.7	24.4	19.2	17.7	19.1	19.0	16.1	16.4	17.2	17.0	17.3	17.5	-	-	-
18	18.2	20.7	19.8	18.2	19.4	19.4	16.7	16.8	17.4	17.4	17.4	17.7	-	-	-
19	19.2	22.0	20.4	18.8	20.4	20.1	17.2	17.5	18.1	17.7	18.0	18.2	-	-	-
20	18.5	19.4	19.3	18.7	19.1	19.1	17.4	17.0	17.4	18.2	17.7	17.8	-	-	-
21	18.1	20.9	19.9	18.2	19.8	19.6	16.6	17.3	17.8	17.6	17.8	18.2	-	-	-
22	18.3	18.8	19.0	18.1	18.6	18.8	16.8	16.6	16.8	17.6	17.4	17.4	-	-	-
23	18.8	21.0	20.2	18.6	19.6	19.6	17.0	17.2	17.8	17.4	17.6	17.9	-	-	-
24	19.1	19.7	19.5	18.9	19.3	19.3	17.2	17.3	17.4	18.0	18.0	18.0	-	-	-
25	18.8	19.6	19.9	18.8	19.4	19.5	17.2	17.0	17.5	17.4	17.5	17.8	-	-	-
26	19.5	19.8	18.8	19.3	19.6	18.9	19.8	20.2	17.4	18.0	18.2	18.0	-	-	-
27	17.7	18.9	18.4	17.6	18.4	18.2	16.4	16.5	16.6	17.3	17.3	17.2	-	-	-
28	16.3	19.1	17.3	16.9	18.3	17.7	15.8	16.0	16.2	17.0	16.8	16.8	-	-	-
29	15.2	16.3	15.0	16.0	16.4	15.9	15.2	14.7	14.8	16.3	16.0	16.2	-	-	-
30	12.0	15.8	13.8	13.4	15.2	14.9	13.4	13.4	13.8	15.3	15.0	14.8	-	-	-
31															
Prom.	17.4	20.3	18.9	17.8	19.2	19.0	16.9	17.1	17.3	17.8	17.8	17.9	-	-	-

LUVIA, ESTADO DEL SUELO, ETC...

ÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en %						Freatí-
	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.	metro
1					0	0.8	1.1	1.3	2.8							11062
2					0	0.4	1.3	1.3	3.3	E. 4	10.5	10.5	19.4	17.5	14.8	11065
3					0	0.7	1.2	1.4	2.8							11068
4					0	0.2	1.4	0.9	3.1							11080
5					0	0.8	1.5	1.0	2.9							11091
6					0	0.4	0.7	0.7	1.4							11093
7					0	0.0	1.1	2.9	5.7	E. 5	8.6	9.1	18.1			11094
8	18.3	18.5	18.0	13.9	0	1.7	2.7	2.4	6.9							11096
9					2	1.8	2.3	1.1	4.2							11109
10					1	0.8	1.8	1.4	3.7							11112
11					0	0.5	1.8	1.1	3.1							11118
12					0	0.2	1.1	0.9	2.7	E. 6	15.4	10.0	17.1			11126
13					0	0.7	1.3	0.9	2.6							11132
14					0	0.4	1.3	0.9	2.4							11135
15					0	0.2	1.0	1.3	2.4							11136
16					0	0.1	1.6	1.2	3.8							11139
17					0	1.0	1.4	1.3	4.4	E. 7	12.4	11.9	17.9			11142
18	0.3	0.7	0.2	0.0	0	1.7	1.2	1.0	3.2							11146
19					0	1.0	1.0	1.1	2.9							11151
20					0	0.8	1.0	0.8	2.6							11158
21	38.5	40.0	38.5	36.0	0	0.8	0.9	1.4	3.0							11163
22	0.8	1.2	0.6	0.0	2	0.7	0.2	0.0	0.3							11157
23	3.5	3.9	2.9	2.6	2	0.1	0.2	0.3	0.8							11159
24					2	0.3	0.3	0.4	1.0	E. 8	21.8	23.0	24.0	19.5		11159
25	1.8	2.1	1.5	1.4	2	0.3	0.4	0.3	1.0							11161
26	7.9	8.1	7.7	-	2	0.3	0.3	0.1	0.5							11155
27	0.4	0.9	0.0	0.0	2	0.1	0.3	0.3	1.0	E. 9	21.3	24.0	19.8			11149
28					2	0.4	1.1	1.1	2.6							11149
29					2	0.4	0.8	0.5	1.8							11163
30					1	0.5	0.9	0.8	1.9							11157
31																
Prom.	71.5	75.4	69.4	-	-	0.6	1.1	1.0	2.7	-	-	-	-	-	-	11128

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		
-	-	-	23.1	23.1	23.1	22.2	-	14.2	Ca. m. y n., Cn. t., r. m.
-	-	-	22.9	22.9	22.9	22.2	-	13.2	Ca. m. y n., Cn. t., r. m.
-	-	-	22.9	23.0	22.9	22.1	-	14.6	Cn. m. y t., Ca. n., r. m.
-	-	-	22.8	22.8	22.8	22.2	-	6.0	Cn. m. y t., Ca. n., r. m.
-	-	-	22.7	22.7	22.6	22.2	-	2.7	Ca. m. t. y n., r. m.
-	-	-	22.5	22.5	22.5	22.2	-	3.1	Cn. m. y t., Ca. n., Ne. m. y t.
-	-	-	22.1	22.2	22.2	22.2	-	2.0	Ca. m. y t., Cn. n., r. m. y n.
-	-	-	22.1	22.1	22.2	22.1	-	10.6	Cn. m. t. y n., R. Ru. LL. n.
-	-	-	21.8	21.8	21.8	22.0	-	9.0	Cn. m. y t., Ca. n., r. B. m.
-	-	-	21.6	21.7	21.8	21.9	-	3.3	Ca. m. y n., Cn. t., r. m.
-	-	-	21.5	21.5	21.5	21.9	-	3.3	Ca. m. t. y n.
-	-	-	21.2	21.3	21.3	21.9	-	0.6	Cn. m. y t., Ca. n., r. m., Ne. n.
-	-	-	21.2	21.2	21.2	21.8	-	2.3	Ca. m. t. y n., r. m. y n., Ns. n.
-	-	-	21.0	21.0	20.9	21.8	-	5.7	Ca. m., Cn. t. y n., Ns. m.
-	-	-	20.8	20.7	20.7	21.8	-	7.1	Ca. m. t. y n., r. m.
-	-	-	20.6	20.6	20.6	21.7	-	10.5	Ca. m., Cn. t. y n., r. m., Ne. n.
-	-	-	20.6	20.6	20.6	21.6	-	11.5	Cn. m. t. y n., Dl. n.
-	-	-	20.7	20.7	20.8	21.6	-	13.6	Cn. m. t. y n.
-	-	-	20.7	20.8	20.8	21.6	-	-	Cn. m. t. y n., CH. m., Dl. m.
-	-	-	20.7	20.7	20.7	21.5	-	14.3	Cn. m. t. y n., Dl. n.
-	-	-	20.6	20.7	20.7	21.4	-	11.6	Cn. m. t. y n., r. m., B. t., Ne. n.
-	-	-	20.7	20.6	20.6	21.4	-	16.3	Cn. m. t. y n., LL. Ru. m., Ne. Z. t.
-	-	-	20.5	20.6	20.7	21.4	-	15.1	Cn. m. t. y n., N. m., Ne. t. y n.
-	-	-	20.6	20.6	20.7	21.3	-	16.3	Cn. m. t. y n., Ne. t.
-	-	-	20.6	20.6	20.6	21.2	-	14.1	Cn. m. t. y n., Z. CH. n.
-	-	-	20.6	20.7	20.6	21.2	-	17.7	Cn. m. t. y n., CH. LL. Z. m., LL. t.
-	-	-	20.5	20.6	20.5	21.2	-	9.1	Cn. m. t. y n., Z. m.
-	-	-	20.5	20.5	20.5	21.2	-	6.4	Ca. m. y n., Cn. t., Vx. m.
-	-	-	20.3	20.3	20.2	21.2	-	6.4	Cn. m. y t., Ca. n.
-	-	-	19.9	20.0	20.0	21.1	-	- 2.0	Ca. m. t. y n., h. m.
-	-	-	21.3	21.3	21.3	21.7	-	8.9	

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	Teóricas Astronómicas	Relativa
	mm. mb.	mm. mb.			mm. mb.			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	59.2	67.2	5	11	47.1	8	17	16.4	22.6	10.2	26.8	8	15	4.3	7	6-7	7.5	11.4	65
2ª	64.1	69.9	12	9,10	57.5	17, 18	19-20 17	16.2	21.4	11.5	25.3	19	13-14	3.5	12	1	6.5	11.1	59
3ª	56.1	67.4	30	7	45.8	27	21,22	15.2	18.4	12.0	24.2	21	14,15	- 0.1	30	7	3.3	10.8	31
MES	59.8	69.9	12	9,10	45.8	27	21,22	15.9	20.8	11.2	28.8	8	15	- 0.1	30	7	5.8	11.1	52

DÉCADA	HUMEDAD DEL AIRE								VIENTO									LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas				Instantáneas								
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Velocidad Máxima	Dirección	Día	Hora	Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	%	%		%		mm. mb.	mm. mb.	mm. mb.		Km/h	Km/h.		Km/h.			Km/h.				mm.	mm.		mm.		
1ª	75	100	varios	30	10	10.3	17.0	4.4	NE	7	48	8	20	8	21-22	47	N	8	13.44	18.5	18.5	8	16.0	8	21-22
2ª	78	100	varios	42	11	10.5	14.5	5.6	NE	6	-	-	12	16 17	9-11 8-11	29	S	11	5.50 7.54	0.7	0.7	18	0.7	19	7-8
3ª	89	100	varios	45	30	11.5	16.0	4.4	W	8	36	25	24	28	14-15	40	W	28	12.12 14.00	56.2	40.0	21	8.5	22	3.30-4.30
MES	81	100	varios	30	10	10.8	17.0	4.4	NE	6	48	8	24	28	14-15	47	N	8	13.44	75.4	40.0	21	16.0	8	21-22

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	1	1	-	-	-	-	1	-	-	-	-	-	-	1	1	1
2ª	1	-	2	2	2	-	-	1	-	-	1	-	-	-	-	-	-
3ª	1	1	4	1	-	-	-	6	4	-	4	-	-	-	1	1	1
MES	6	2	7	3	2	-	-	8	4	-	5	-	-	-	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	7	-	-	-	-	-	-	-	-	-	-	3	1	-	3	-
2ª	5	-	-	-	-	-	3	-	-	-	-	3	3	-	1	-
3ª	1	1	-	-	-	-	-	-	-	-	-	2	7	1	-	-
MES	13	1	-	-	-	-	3	-	-	-	-	8	11	1	4	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. IX — MAYO 1954 — Nº 5

RESUMEN MENSUAL

En los dos primeros días se deja notar todavía el aire fresco y seco llegado en los últimos del mes anterior. El día 3 se establece una corriente de aire marítimo debido a lo cual, temperatura, humedad y nubosidad aumentan en forma marcada, siendo el 4 el único día sin sol de este mes. Se registran ligeras lluvias en este día, y el tiempo se mantiene inestable en los siguientes hasta que cambia la masa de aire en la madrugada del 8. Puntualmente pues, este empuje de aire polar señala el principio de la estación invernal. La temperatura desciende en forma marcada, hasta alcanzar en el último día de la década 7°C por debajo de la normal.

Aire polar predomina todavía en los primeros días de la segunda década y desde el 9 hasta el 13 inclusive baja la mínima de la superficie diariamente por debajo de 0°C. En este último día la humedad relativa alcanza el mínimo mensual con 33%. El viento cambia al N por lo cual la temperatura aumenta. El día 15 un nuevo y más fuerte empuje de aire polar hace descender la temperatura hasta el mínimo mensual con -3.1°C en la casilla meteorológica y a -6.4°C en la superficie terrestre; la tensión del vapor registra 3 mmHg, el valor más bajo del mes. Debido al tiempo bueno reinante y vientos predominantes del sector N la temperatura y la humedad se encuentran en aumento hasta el fin de la década.

La primera mitad de la última década se caracteriza por una continua corriente del N que durante los primeros días tiene todavía las características de aire polar retrógrado, pero a partir del 23 se dejan ya notar las características de aire de origen tropical. Sin alterar mayormente el estado bueno del tiempo este desarrollo sigue hasta el 26 cuando en aire tropical la temperatura y la humedad alcanzan los valores máximos mensuales con 24.1°C y 15.5 mmHg. En una zona frontal entre esta masa de aire y una más fresca llueve en forma torrencial (83.5 mm en 24 horas) el 26; antes del pasaje de un frente frío baja la presión al valor mínimo mensual de 750.4 mmHg en la mañana del 27. El tiempo mejora lentamente y al pasar el centro de un anticiclón frío sobre el Río de la Plata la presión atmosférica sube a 766.7 mmHg, valor máximo mensual. Hasta el fin de mes reinan condiciones atmosféricas normales para esta altura del año.

Por la gran actividad ciclónica y el intenso aflujo de masas de aire de origen polar el promedio mensual de la presión atmosférica es de 1 mmHg y el de la temperatura de 1°C debajo de la normal. También la tensión del vapor, humedad relativa y nubosidad marcan desviaciones negativas. Sólo la precipitación fué más intensa que la normal, así como un 14% más 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	34	41	28	41	41	41	34	62	90	97	110	110	90	110	110
2	62	48	34	41	55	69	76	131	117	159	172	145	124	124	166
3	131	41	7	28	28	- 14	- 14	- 28	69	55	90	152	131	97	76
4	-	-	-	-	-	-	-	-	131	159	172	131	104	166	104
5	41	48	55	55	34	55	97	117	138	104	69	90	76	97	55
6	41	55	76	76	83	90	-	-	-	-	-	-	-	-	-
7	104	83	97	83	83	83	83	104	97	83	90	104	110	117	117
8	- 90	76	48	-406	-152	28	69	124	172	159	138	124	117	104	117
9	83	83	97	62	62	55	41	62	69	76	110	110	110	110	138
10	97	83	62	110	97	90	83	83	90	90	41	41	69	69	83
11	69	55	83	110	83	83	41	41	159	166	124	97	83	124	131
12	34	55	55	55	55	48	55	104	152	138	138	117	104	104	97
13	55	55	55	48	69	83	124	145	316	304	179	220	90	69	62
14	69	55	41	55	41	48	90	145	138	97	14	- 7	- 21	7	55
15	166	110	152	90	97	97	90	110	179	104	76	90	90	83	76
16	41	48	55	-	-	-	-	117	166	152	138	138	97	76	83
17	55	69	48	34	55	55	48	69	69	55	69	69	62	69	76
18	90	97	90	131	131	131	138	179	179	145	110	76	62	69	48
19	124	104	83	104	90	117	110	145	145	131	131	110	76	48	55
20	83	83	69	104	124	124	117	131	145	138	124	131	117	97	90
21	76	97	97	104	110	117	90	97	131	152	159	172	200	207	179
22	41	48	55	69	83	97	69	76	62	97	97	117	117	131	131
23	90	104	83	69	62	62	62	69	104	117	131	124	124	124	152
24	90	69	62	48	48	48	55	55	62	69	90	83	83	97	97
25	76	55	55	48	55	55	48	76	124	152	152	152	145	152	145
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	76	97	76	83	83	83
28	69	69	69	278	220	213	291	297	297	333	233	152	104	76	104
29	186	159	62	41	186	117	83	259	328	272	200	193	145	124	117
30	90	124	76	83	138	152	28	83	117	62	110	233	265	220	238
31	83	83	83	97	117	166	138	117	179	131	166	152	172	233	207
Prom.	81.6	80.2	73.8	90.7	94.4	100.0	91.4	113.9	130.7	122.2	119.2	117.6	112.2	111.5	118.1

RESUMEN DEL ESTADO ELÉCTRICO DEL AIRE

DÍAS	CONDUCTIBILIDAD "λ" . 10^{-4}				IONES LIVIANOS					
					número "n" por cm^3				velocidad	
	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-	n^+	n^-	$n^+ + n^-$	n^+ / n^-	K^+	K^-
1	0.60	0.63	1.23	0.95	392	388	780	1.01	1.07	1.14
2	0.59	0.59	1.18	1.00	349	296	645	1.18	1.18	1.40
3	0.80	0.80	1.60	1.00	333	282	615	1.18	1.68	1.98
4	0.69	0.84	1.53	0.82	257	237	494	1.08	1.88	2.47
5	0.83	0.93	1.76	0.89	407	384	791	1.06	1.43	1.70
6	0.48	0.51	0.99	0.94	192	138	330	1.39	1.75	2.58
7	0.70	0.73	1.43	0.96	409	349	758	1.17	1.20	1.46
8	0.81	0.95	1.76	0.85	647	736	1373	0.88	0.88	0.90
9	0.94	1.00	1.94	0.94	692	760	1452	0.91	0.95	0.92
10	0.83	0.89	1.72	0.93	614	670	1284	0.92	0.95	0.93
11	0.81	1.01	1.82	0.80	496	485	981	1.02	1.14	1.46
12	0.86	0.86	1.72	1.00	630	588	1218	1.07	0.95	1.02
13	0.75	0.72	1.47	1.04	552	516	1067	1.07	0.95	0.98
14	0.63	0.69	1.32	0.91	351	371	722	0.95	1.25	1.30
15	0.65	0.69	1.34	0.94	535	526	1061	1.02	0.85	0.92
16	0.72	0.86	1.58	0.84	450	383	833	1.18	1.12	1.57
17	0.84	0.96	1.80	0.87	709	715	1424	0.99	0.83	0.94
18	0.76	1.15	1.91	0.66	576	426	1002	1.35	0.92	1.88
19	0.90	1.05	1.95	0.86	474	527	1001	0.90	1.33	1.39
20	1.10	1.16	2.26	0.95	594	570	1164	1.04	1.29	1.42
21	0.93	0.99	1.92	0.94	458	445	903	1.03	1.43	1.55
22	0.75	0.85	1.60	1.88	398	428	826	0.93	1.32	1.39
23	0.80	0.82	1.62	0.98	375	397	772	0.94	1.48	1.44
24	0.85	0.92	1.77	0.92	445	531	976	0.84	1.33	1.21
25	0.88	0.90	1.78	0.98	432	485	917	0.89	1.43	1.30
26	1.11	1.15	2.26	0.97	525	522	1047	1.00	1.48	1.54
27	1.25	1.61	2.86	0.78	776	800	1576	0.97	1.13	1.41
28	0.69	0.66	1.35	0.80	377	288	665	1.31	1.28	1.60
29	0.53	0.51	1.04	1.04	342	271	613	1.26	1.08	1.31
30	0.54	0.57	1.11	0.94	296	226	522	1.31	1.28	1.76
31	0.60	0.61	1.21	0.98	354	317	671	1.11	1.18	1.35
Prom.	0.79	0.86	1.65	0.92	465	451	916	1.03	1.19	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
117	138	207	207	179	110	104	83	83	94.4	297	- 28	325	1
159	166	207	179	69	55	69	34	34	105.0	391	- 28	419	1
83	76	62	48	62	62	48	-	-		179	- 55	234	2 *
83	90	69	83	104	110	110	90	76		259	- 14	273	1 *
55	-	-	-	-	-	69	45	55		166	- 14	180	1 *
-	-	-	-	-	-	138	117	110		259	- 28	287	1 *
124	124	166	138	117	104	48	69	220	106.2	529	- 14	543	1
104	104	97	110	104	110	97	97	90		576	-901	1477	2
124	110	104	179	172	110	97	90	55	96.2	233	28	205	0
83	90	83	69	55	41	41	83	83	75.7	166	14	152	0
69	69	55	48	48	41	41	55	48		220	- 14	234	1
83	83	76	97	117	104	117	76	48	88.0	193	21	172	0
69	97	145	246	-	-	159	117	83		600	28	572	0 *
97	265	518	449	304	252	297	226	179		152	-812	964	2
83	186	159	200	69	62	69	69	55	106.8	449	41	408	0
62	62	76	124	239	124	97	76	62		414	00	414	0 *
69	76	76	76	55	48	62	62	69	62.3	104	28	76	0
69	76	76	104	83	83	55	83	104	100.4	220	21	199	0
55	97	117	117	97	104	117	104	90	103.0	193	21	172	0
90	104	145	131	124	124	90	76	83	110.2	179	55	124	0
124	69	-	-	-	-	-	97	76		259	- 21	280	1 *
124	138	172	179	186	138	138	124	117	108.6	297	00	297	0
152	166	246	291	284	246	220	172	117	140.4	434	48	386	0
117	117	186	233	186	166	117	48	-		339	-104	443	1 *
-	-	-	-	-	-	-	-	-		233	- 14	247	1 *
110	145	124	97	97	83	62	55	- 69		226	-253	479	1 *
62	62	55	55	69	69	62	110	90		∞	- ∞	-	3 *
131	131	145	152	220	179	233	252	226	186.4	553	69	484	0
110	110	110	131	110	124	69	83	97		368	-181	549	2
220	252	239	145	104	124	138	117	83	143.4	368	41	327	1
226	259	207	172	152	138	131	124	104	151.5	357	41	316	0
119.3	137.2	151.6	152.2	130.2	110.6	108.1	101.1	98.2	111.1				

IONES PESADOS número "N" por cm^3				CORRIENTE VERTICAL "1" . 10^{-7} U.E.S.	NÚCLEOS AITKEN
N^+	N^-	$N^+ + N^-$	N^+ / N^-	por cm^2	por cm^3
6516	5418	11934	1.20	3.87	39,250
10533	11346	21879	0.93	4.13	-
7733	6765	14498	1.14	-	64,500
6320	6423	12743	0.99	-	-
5458	6008	11466	0.91	-	42,750
13594	14221	28015	0.96	-	102,000
6133	4893	11026	1.25	5.07	22,000
3664	4522	8186	0.81	-	72,500
4261	4756	9017	0.90	6.22	57,750
5086	5418	10504	0.94	4.34	44,750
5236	5944	11180	0.88	-	-
6018	6168	12186	0.98	5.06	27,750
6729	7811	14540	0.86	-	35,750
5192	5490	10682	0.95	-	-
5756	5984	11740	0.96	4.77	54,500
6917	7665	13582	0.90	-	47,000
5653	6205	11858	0.91	3.74	41,000
6876	7448	14324	0.92	6.38	45,250
6502	7288	13790	0.90	6.70	35,500
5834	6947	12781	0.84	8.32	82,750
9634	10080	19714	0.96	-	-
6150	6634	12784	0.93	5.79	-
9089	10100	19189	0.90	7.58	-
5785	5952	11737	0.97	-	27,250
5753	6357	12110	0.91	-	46,750
4260	5305	9565	0.80	-	32,250
2974	3776	6750	0.79	-	9,750
7876	9003	16879	0.87	8.36	-
10279	11063	21342	0.93	-	-
12859	13673	26532	0.94	5.31	-
4597	9755	14352	0.47	6.11	78,250
6751	7390	14141	0.92	5.73	48,050

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	0.39	0.56	0.60	0.68	0.67	0.59	0.67	0.56	0.64	0.54	0.51	0.67
2	0.73	0.91	1.04	0.86	0.67	0.63	0.49	0.37	0.59	0.65	0.57	0.61
3	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	0.80	0.95	0.62	0.50	0.58
5	1.08	1.09	1.06	1.20	1.11	0.93	0.87	1.03	0.98	0.88	0.91	0.89
6	0.68	0.49	0.45	0.35	0.50	0.59	0.59	0.42	0.67	0.70	0.64	0.64
7	0.40	0.59	0.69	0.98	0.92	0.89	0.75	0.69	0.70	0.81	0.88	0.72
8	0.82	1.85	1.41	0.34	0.15	0.89	0.83	0.65	0.60	0.98	0.82	0.86
9	1.08	1.15	0.94	1.24	1.21	1.26	1.20	0.99	1.04	1.00	0.91	0.88
10	0.96	0.74	0.82	0.61	0.86	0.77	0.55	0.74	0.84	0.96	0.83	0.83
11	0.69	0.80	0.74	0.52	-	-	-	-	-	-	-	-
12	1.04	0.97	0.82	1.95	1.10	1.18	0.89	0.70	0.77	0.92	0.74	0.82
13	0.94	1.08	1.06	1.20	1.23	1.03	1.09	0.76	0.57	0.44	0.52	0.58
14	0.68	0.79	0.81	0.72	0.69	0.74	0.60	0.48	0.49	0.55	0.56	0.65
15	0.54	0.81	0.61	0.62	0.51	0.48	0.64	0.49	0.51	0.55	0.69	0.72
16	0.99	0.96	0.66	0.64	0.97	0.99	0.96	0.66	0.67	0.88	0.80	0.67
17	0.78	0.66	0.83	0.88	0.78	0.51	0.46	0.85	1.04	1.05	1.05	0.79
18	0.81	0.57	0.72	0.74	0.75	0.78	0.76	0.95	1.11	1.16	1.13	1.19
19	0.92	0.89	0.97	0.88	0.83	0.72	0.73	0.70	0.97	0.95	1.00	0.85
20	0.86	0.89	1.00	0.93	0.84	0.82	0.85	0.98	0.95	1.05	1.44	1.11
21	1.44	1.46	1.46	1.49	1.10	1.08	1.31	0.89	0.92	1.02	1.01	0.93
22	0.62	1.05	1.02	0.87	0.81	0.69	0.51	-	0.55	0.67	0.84	0.90
23	0.87	1.04	1.19	1.02	1.21	0.85	0.89	0.70	0.63	0.71	0.80	0.87
24	0.91	0.92	1.04	1.16	1.02	1.00	1.29	0.86	0.82	0.90	0.81	0.79
25	1.23	1.13	1.34	1.29	1.24	0.97	1.09	0.93	0.75	0.50	0.56	0.58
26	1.21	1.33	1.35	1.25	1.12	1.11	1.00	1.08	0.89	0.86	0.91	1.09
27	1.01	1.28	1.48	1.10	0.58	1.21	0.95	0.47	0.57	-	-	1.39
28	1.42	1.26	1.18	0.41	0.50	0.37	0.60	0.44	0.43	0.49	0.50	0.76
29	0.35	0.34	0.36	0.37	0.46	0.44	0.39	0.34	0.46	0.60	0.68	0.69
30	0.68	0.65	0.92	0.74	0.54	0.53	0.64	0.44	0.46	0.51	0.45	0.53
31	-	-	-	-	-	-	-	0.76	0.76	0.80	0.63	0.69
Promedio	0.86	0.94	0.95	0.89	0.83	0.82	0.80	0.70	0.78	0.75	0.77	0.80

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

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	0.41	0.51	0.70	0.73	0.75	0.61	0.66	0.60	0.67	0.60	0.63	0.70
2	0.87	0.91	1.07	0.77	0.51	0.60	0.51	0.35	0.64	0.56	0.52	0.56
3	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	0.97	0.87	0.88	0.79	0.79
5	1.27	1.19	1.24	1.44	1.32	1.12	1.09	1.00	1.02	0.99	1.14	1.09
6	0.66	0.56	0.45	0.40	0.43	0.56	0.68	0.67	0.72	0.76	0.79	0.57
7	0.43	0.65	0.65	0.80	1.04	0.78	0.75	0.68	0.89	0.90	0.91	0.85
8	1.00	0.87	1.63	1.06	1.58	0.91	0.85	0.59	0.74	0.93	0.90	0.84
9	1.17	1.35	1.07	1.37	1.27	1.29	1.24	1.06	1.22	1.12	0.99	0.94
10	0.71	0.75	0.69	0.80	0.74	0.67	0.58	0.76	1.02	1.12	0.95	1.07
11	0.78	1.02	0.77	0.61	-	-	-	-	-	-	-	-
12	1.04	0.83	0.83	1.86	1.23	1.08	0.81	0.84	0.80	0.98	0.84	0.98
13	1.02	1.10	0.98	0.88	0.69	0.43	0.77	0.54	0.47	0.54	0.61	0.75
14	0.73	0.82	0.91	0.66	0.88	0.85	0.66	0.51	0.60	0.72	0.77	0.84
15	0.70	0.72	0.63	0.74	0.67	0.58	0.63	0.53	0.56	0.65	0.81	0.82
16	1.02	1.02	0.67	1.05	1.36	1.18	1.17	1.01	1.28	0.82	0.80	0.86
17	0.75	0.68	1.07	1.02	1.01	0.65	0.63	1.05	1.14	1.29	1.14	0.94
18	1.04	0.74	0.88	0.82	0.78	0.91	0.84	1.06	1.18	1.28	1.25	1.31
19	0.99	1.11	1.05	1.07	0.97	1.04	1.22	0.92	1.02	1.08	1.13	1.00
20	1.09	0.96	1.23	1.07	0.79	0.90	0.93	0.97	1.09	1.19	1.46	1.34
21	1.51	1.49	1.49	1.49	1.20	1.25	1.49	0.87	0.98	1.09	1.11	0.99
22	0.74	1.11	1.07	0.92	0.89	0.71	0.62	-	0.72	0.89	1.01	1.10
23	0.85	0.96	1.15	1.15	1.04	0.89	0.97	0.76	0.69	0.81	0.85	0.97
24	0.92	1.00	1.10	1.32	1.22	1.03	1.02	0.88	0.98	0.94	0.90	1.00
25	1.20	1.17	1.23	1.38	1.27	1.17	1.07	0.85	0.67	0.51	0.59	0.59
26	1.33	1.35	1.42	1.33	1.20	0.88	1.03	0.94	0.80	1.00	1.05	1.13
27	2.05	1.82	1.60	2.16	1.33	1.36	1.93	1.11	1.13	-	-	1.85
28	1.17	1.32	0.90	0.38	0.38	0.46	0.76	0.38	0.38	0.54	0.66	0.84
29	0.34	0.38	0.39	0.46	0.42	0.42	0.55	0.28	0.34	0.56	0.63	0.80
30	0.51	0.53	0.83	0.72	0.45	0.44	0.42	0.41	1.44	0.58	0.49	0.50
31	-	-	-	-	-	-	-	0.81	0.59	0.87	0.70	0.73
Promedio	0.94	0.96	0.99	1.01	0.94	0.84	0.88	0.76	0.85	0.86	0.87	0.92

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
0.57	0.64	0.73	0.82	0.66	0.51	0.30	0.35	0.52	0.66	0.72	0.83	0.60
0.53	0.53	0.37	0.39	0.48	0.26	-	-	-	-	-	-	0.59
0.48	0.39	0.55	0.49	0.81	0.48	0.58	-	1.39	1.41	1.46	-	0.80
0.57	0.57	0.54	0.59	0.78	0.82	0.46	0.54	0.64	0.93	0.80	1.10	0.69
0.87	0.58	0.63	0.68	1.00	0.58	0.62	0.67	0.59	0.53	0.56	0.48	0.83
0.62	0.41	0.38	0.41	0.42	0.40	0.36	0.37	0.32	0.34	0.33	0.35	0.48
0.88	0.73	0.83	0.69	0.60	0.62	0.67	0.55	0.49	0.54	0.42	0.66	0.70
0.74	0.71	0.71	0.65	0.66	0.65	0.78	0.82	0.81	0.86	0.87	1.00	0.81
0.75	0.81	0.91	0.89	1.05	0.81	0.62	0.52	0.73	0.64	0.86	1.03	0.94
0.83	0.75	0.77	0.78	0.73	0.74	0.85	1.10	0.98	1.15	0.84	0.81	0.83
-	-	-	-	-	-	-	-	-	1.06	0.94	0.92	0.81
0.98	0.93	0.82	0.83	0.74	0.63	0.75	0.47	0.42	0.57	0.71	0.93	0.86
0.69	0.73	0.75	0.81	0.52	0.67	0.49	0.66	0.45	0.49	0.51	0.74	0.75
0.67	0.73	0.67	0.76	0.70	0.65	0.50	0.48	0.59	0.53	0.51	0.57	0.63
0.72	0.69	0.76	0.88	0.83	0.48	0.43	0.52	0.62	0.71	0.88	0.93	0.65
0.89	0.77	0.68	0.80	0.37	0.81	0.59	0.40	0.40	0.56	0.69	0.55	0.72
0.74	0.87	0.89	0.99	0.88	0.72	0.78	1.02	0.97	0.95	0.81	0.81	0.84
1.21	1.28	1.53	1.22	1.58	1.34	1.14	1.06	1.36	1.12	1.36	0.95	0.76
1.17	1.22	1.07	0.96	1.19	1.02	0.65	0.97	0.76	0.69	0.65	0.81	0.90
1.02	1.13	1.13	1.11	1.27	0.89	0.92	1.02	1.08	1.25	1.43	1.54	1.10
0.91	0.79	0.85	0.92	1.02	0.37	0.49	0.60	0.53	0.57	0.61	0.66	0.93
0.90	0.84	0.98	0.80	0.82	0.52	0.52	0.46	0.61	0.73	0.82	0.82	0.75
0.64	0.71	0.70	0.89	-	0.98	0.41	0.32	0.19	0.28	1.48	0.91	0.80
0.94	1.01	1.07	0.92	0.89	0.63	0.42	0.43	0.46	0.51	0.86	0.83	0.85
0.81	0.64	0.97	0.80	0.58	0.49	0.60	0.62	0.80	0.88	0.94	1.36	0.88
1.05	0.92	1.02	0.89	0.79	0.89	1.02	1.02	1.19	1.39	1.46	1.91	1.11
1.43	1.60	1.37	1.74	1.82	1.72	1.84	1.63	1.28	1.17	0.94	1.02	1.25
1.15	1.39	1.24	0.79	0.70	0.48	0.61	0.43	0.42	0.36	0.34	0.37	0.69
0.70	0.73	0.76	0.73	0.73	0.67	0.50	0.45	0.42	0.45	0.55	0.57	0.53
0.47	0.52	0.45	0.28	0.35	-	-	-	-	-	-	-	0.54
0.76	0.59	0.57	0.52	0.50	0.34	0.36	0.35	0.54	0.55	0.71	0.71	0.60
0.82	0.80	0.82	0.80	0.80	0.69	0.65	0.66	0.70	0.75	0.83	0.86	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
0.70	0.76	0.78	0.76	0.72	0.41	0.36	0.38	0.52	0.63	0.63	0.84	0.63
0.60	0.53	0.44	0.44	0.56	0.24	-	-	-	-	-	-	0.59
0.59	0.47	0.56	0.49	0.73	0.45	0.63	0.91	1.07	1.10	1.26	1.38	0.80
0.81	0.77	0.86	0.87	0.86	0.87	0.53	0.59	0.76	0.92	1.00	1.22	0.84
0.98	0.70	0.66	0.74	0.73	0.52	0.67	0.80	0.69	0.69	0.64	0.52	0.93
0.53	0.51	0.46	0.47	0.44	0.38	0.34	0.38	0.38	0.30	0.34	0.41	0.51
0.91	0.80	0.79	0.81	0.68	0.63	0.60	0.60	0.49	0.45	0.64	0.76	0.73
0.84	0.87	0.82	0.78	0.71	0.81	0.94	0.96	0.97	1.02	1.05	1.05	0.95
0.95	0.90	0.97	0.91	1.07	0.78	0.44	0.51	0.62	0.76	0.93	1.15	1.00
1.02	0.91	0.90	0.95	0.82	0.83	1.00	1.15	1.10	1.19	0.89	0.75	0.89
-	-	-	-	-	-	-	-	-	1.86	1.00	1.05	1.01
1.05	0.95	0.85	0.91	0.64	0.63	0.56	0.48	0.45	0.50	0.69	0.88	0.86
0.88	0.91	0.84	0.95	0.73	0.77	0.51	0.73	0.51	0.49	0.56	0.76	0.72
0.95	0.97	0.80	0.84	0.72	0.56	0.47	0.51	0.42	0.45	0.45	0.54	0.69
0.76	0.69	0.94	0.97	0.67	0.41	0.37	0.62	0.71	0.68	0.83	0.83	0.69
0.95	0.86	0.88	0.80	0.66	0.98	0.51	0.44	0.47	0.58	0.70	0.60	0.86
0.93	1.00	1.03	1.07	1.00	0.87	0.88	1.09	1.08	0.95	0.93	0.93	0.96
1.36	1.49	1.65	1.35	1.49	1.37	1.18	0.76	1.23	1.15	1.36	1.12	1.15
1.37	1.34	1.25	1.15	1.19	1.00	0.81	1.00	0.97	0.82	0.79	0.97	1.05
1.09	1.28	1.25	1.26	1.32	1.09	1.02	0.96	1.25	1.15	1.49	1.67	1.16
0.82	0.81	0.96	0.95	0.92	0.51	0.64	0.59	0.64	0.62	0.65	0.74	0.99
0.98	1.08	1.00	1.00	0.85	0.55	0.53	0.53	0.72	0.70	0.87	0.91	0.85
1.00	0.84	0.76	0.95	-	0.70	0.39	0.38	0.34	0.76	0.79	0.83	0.82
1.05	1.10	1.00	0.87	0.78	0.58	0.47	0.46	0.46	0.53	1.03	1.48	0.92
0.81	0.67	0.92	0.89	0.53	0.59	0.64	0.70	0.81	0.94	1.21	1.22	0.90
1.05	1.07	1.01	0.87	0.93	1.05	1.09	1.00	1.31	1.58	1.64	1.53	1.15
1.92	1.58	1.55	1.88	1.91	1.82	1.86	1.73	1.17	0.91	0.86	1.97	1.61
1.27	1.38	1.17	0.65	0.54	0.38	0.42	0.37	0.42	0.37	0.34	0.34	0.66
0.72	0.68	0.80	0.75	0.65	0.49	0.39	0.42	0.39	0.42	0.49	0.49	0.51
0.46	0.59	0.53	0.38	0.49	-	-	-	-	-	-	-	0.57
0.67	0.64	0.59	0.56	0.49	0.36	0.40	0.43	0.51	0.55	0.67	0.78	0.61
0.93	0.90	0.90	0.88	0.82	0.71	0.67	0.70	0.73	0.79	0.85	0.96	0.86

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	347	434	390	434	347	434	347	347	347	347	347
2	521	521	521	434	347	347	347	347	434	434	434	391
3	174	174	174	174	174	260	260	347	347	347	347	260
4	521	434	434	347	347	260	260	174	260	260	174	174
5	347	347	434	434	434	260	347	347	434	434	477	608
6	260	174	174	174	174	260	174	174	174	174	174	174
7	260	347	347	434	521	434	260	434	434	521	608	521
8	521	955	871	521	521	571	391	521	571	1035	868	868
9	707	707	571	707	707	782	707	608	868	1194	1115	955
10	434	434	434	434	434	347	347	434	707	782	955	955
11	434	521	434	347	260	347	347	260	347	347	707	782
12	521	521	521	521	608	608	608	478	608	955	1115	1035
13	608	608	707	707	707	608	521	347	260	608	782	782
14	347	434	434	434	434	434	434	260	260	260	347	434
15	260	347	260	260	260	260	260	434	608	1035	1115	868
16	434	434	521	521	434	347	347	260	260	347	434	434
17	608	608	434	521	521	608	608	707	1115	1194	1115	955
18	434	434	434	434	434	521	260	347	521	707	782	1035
19	347	347	434	434	434	347	347	347	434	608	782	868
20	434	434	521	347	347	434	434	347	434	707	955	1035
21	608	521	608	608	608	608	521	434	707	707	782	707
22	260	434	434	434	260	260	174	347	434	608	608	608
23	521	608	608	521	434	521	434	434	-	-	260	347
24	260	347	347	434	521	434	434	434	434	608	434	434
25	707	608	707	608	608	521	608	434	347	260	260	260
26	608	707	707	608	521	521	434	347	347	434	347	434
27	608	1275	1275	1275	521	782	565	434	347	-	-	347
28	707	707	521	260	174	174	174	174	260	260	260	347
29	174	174	86	86	174	174	174	260	347	478	782	707
30	347	347	521	434	260	260	260	260	347	347	260	434
31	347	347	260	347	347	347	347	347	347	608	608	608
Promedio	438	490	489	458	418	419	381	368	445	573	608	604

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	226	339	376	451	376	451	376	451	451	526	526
2	451	451	602	226	226	226	226	226	376	376	312	312
3	150	150	150	150	150	150	150	150	226	312	312	226
4	526	451	376	312	312	226	150	226	226	226	312	226
5	376	312	376	376	451	312	226	226	226	376	526	676
6	226	75	75	75	75	75	150	75	75	75	75	150
7	150	150	226	150	226	226	150	376	602	676	752	676
8	1052	-	1052	828	-	789	451	226	338	1188	1188	1120
9	752	828	640	828	828	828	790	752	1052	1595	1460	1320
10	312	312	376	312	376	312	312	451	828	976	1320	1320
11	451	451	376	312	226	226	312	312	312	312	1052	1052
12	451	339	451	376	451	526	376	263	526	1052	1390	1320
13	526	526	376	226	312	376	312	226	226	676	1120	1052
14	376	526	602	451	602	451	376	226	312	312	526	526
15	312	451	312	312	312	226	312	312	376	976	1250	1120
16	312	376	451	451	376	312	226	312	312	376	376	376
17	526	526	376	451	526	526	451	564	1390	1460	1390	1250
18	376	312	312	312	312	312	226	226	451	752	1120	1390
19	226	226	376	376	226	312	376	376	451	676	976	1188
20	376	451	451	376	312	376	312	312	451	676	1052	1120
21	526	602	-	526	526	526	451	376	676	752	976	828
22	312	526	312	376	150	150	226	376	676	976	976	976
23	376	676	676	676	526	526	376	414	376	526	526	451
24	526	602	676	602	451	451	-	-	-	602	602	676
25	602	602	752	828	752	602	602	451	376	312	312	376
26	602	752	676	676	526	376	376	312	312	451	526	602
27	-	-	-	-	-	-	-	-	-	930	451	526
28	376	451	263	150	150	150	75	75	75	75	150	312
29	75	75	75	150	75	75	226	150	75	413	976	752
30	150	150	226	226	150	150	150	75	150	312	150	376
31	376	150	150	150	226	226	226	376	226	752	676	676
Promedio	400	404	417	388	355	346	312	304	419	633	753	758

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	521	521	521	347	260	260	260	434	521	521	392
434	260	260	260	434	260	260	260	260	260	174	174	349
260	434	434	347	434	434	434	347	434	434	434	521	333
174	174	174	174	174	174	86	86	260	347	347	347	257
707	707	527	707	521	347	260	260	174	260	217	174	407
260	174	174	260	260	174	174	174	174	174	174	174	192
521	521	434	434	347	347	347	347	260	347	347	434	409
782	782	608	608	608	521	434	521	521	608	608	707	647
955	782	707	608	707	608	347	347	347	434	521	608	692
868	868	782	707	707	707	707	707	608	608	434	347	614
608	608	347	608	608	608	608	608	608	521	521	521	496
955	955	868	782	608	434	521	347	260	347	434	521	630
782	782	782	707	521	434	347	347	260	260	347	434	552
434	434	347	347	347	347	260	260	260	260	260	347	351
955	955	868	868	707	521	347	260	260	347	434	347	535
434	521	707	707	434	347	260	434	521	521	608	521	450
955	868	707	782	782	521	521	707	707	521	521	434	709
707	782	782	782	707	608	434	521	608	608	521	434	576
955	782	782	608	434	347	347	347	260	174	260	347	474
868	868	782	782	695	521	434	521	434	521	707	707	594
608	521	434	347	347	174	174	174	174	174	260	174	458
521	521	521	347	260	260	260	347	347	434	434	434	398
347	347	347	260	347	434	260	260	174	174	260	347	375
521	608	608	608	521	347	260	260	347	347	521	608	445
434	434	434	347	260	260	260	347	347	347	260	707	432
521	521	434	434	434	434	521	521	608	707	707	738	525
955	1035	782	955	955	868	955	868	707	521	521	521	776
868	955	782	434	434	260	347	260	174	174	174	174	377
608	608	521	521	434	347	260	260	260	260	260	260	342
347	434	347	174	174	174	174	174	174	260	260	347	296
521	347	347	347	260	174	174	174	260	260	347	434	354
622	614	553	528	483	398	356	365	356	376	400	431	465

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
526	602	602	526	451	150	226	226	226	312	312	451	388
451	226	226	226	376	150	312	312	226	226	150	226	296
312	451	451	376	312	312	312	226	376	376	451	526	282
150	150	226	150	150	150	226	150	150	150	150	312	237
752	752	752	707	376	226	75	226	226	226	226	226	384
150	75	226	226	226	150	150	226	150	226	150	150	138
676	451	451	376	312	226	226	226	150	226	376	312	349
976	976	676	752	602	451	451	526	526	602	676	752	736
1120	905	752	676	676	376	150	226	312	312	451	602	760
1188	1120	905	752	752	602	752	752	602	676	451	312	670
828	602	312	602	602	526	451	526	526	451	451	376	485
1188	1052	1186	828	602	226	150	226	226	226	312	376	588
1120	1052	976	828	526	226	226	312	150	226	312	451	515
676	602	376	451	312	150	150	150	150	150	150	312	371
1188	1250	1052	828	602	226	150	226	226	150	226	226	526
376	451	676	676	312	150	226	451	451	414	451	312	383
1188	1052	905	905	676	376	376	526	526	451	376	376	715
976	1052	1052	905	676	312	226	312	376	376	451	376	426
1250	1052	976	828	526	312	312	376	312	226	312	376	527
1052	1120	976	905	676	312	312	312	312	312	526	602	570
676	602	376	312	312	150	150	150	226	150	150	226	445
752	602	526	150	150	150	150	312	312	312	376	451	428
451	451	376	376	312	226	150	150	150	150	226	376	397
676	752	752	602	451	226	226	226	226	226	552	1039	531
451	451	451	376	312	312	312	376	451	376	676	526	485
602	526	376	376	312	376	312	451	752	828	905	-	522
1188	1218	976	1120	1120	1052	1120	976	489	226	226	376	800
1012	1120	676	451	312	226	150	150	150	150	150	75	288
526	676	526	451	150	150	150	150	150	150	150	150	271
376	376	226	150	226	226	226	226	150	226	312	451	226
451	376	376	376	226	150	150	150	226	226	312	376	317
752	714	626	557	440	286	276	328	306	301	355	390	451

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	8060	5380	5380	4490	3585	5380	5380	7180	5380	5380	4490	4490
2	3585	3585	3585	3585	5380	10770	7180	10770	5380	5380	7180	5380
3	16130	16130	14350	12590	10770	8950	7180	5380	7180	6295	8060	8950
4	1795	1795	2690	2690	2690	3585	3585	4490	4490	5380	8060	10770
5	1795	898	898	898	898	1795	1795	1795	1795	1795	1795	1795
6	16130	16130	14350	14350	8950	7180	22400	16130	15250	14350	12590	7180
7	12590	7180	7180	5380	5380	5380	12590	5380	3585	3585	5380	4490
8	1795	898	898	1795	1795	4490	2690	3585	4490	2690	4490	5380
9	1795	1795	1795	1795	1795	1795	1795	2690	2690	3585	3585	4490
10	4490	5380	5380	4490	5380	5380	6295	6295	4490	4490	5380	6295
11	5380	4490	5380	6295	6295	5380	5380	12590	6295	6295	4490	8060
12	4490	4490	4490	5380	4490	4490	5380	8060	7180	4490	5380	6295
13	3585	4490	3585	3585	4490	5380	5380	11690	12590	8950	8060	10770
14	4490	3585	3585	3585	3585	3585	3585	8060	5380	3585	2690	3585
15	4490	2690	4490	3585	4490	5380	4490	7180	6295	5380	3585	3585
16	3585	4490	5380	5380	5380	3585	4490	6295	6295	5380	5380	6295
17	7180	8060	5380	5380	5380	8950	8950	3585	3585	-	3585	5380
18	5380	8060	8060	8060	4490	5380	8060	10770	10770	8950	10770	-
19	8950	7180	6295	5380	5380	8060	8950	10770	8950	3585	6295	7180
20	5380	3585	3585	4490	5380	6295	6295	5380	7180	7180	4490	4490
21	-	4490	-	-	4490	4490	5380	5380	5380	4490	-	-
22	8950	5380	-	5380	5380	6295	10770	-	5380	-	4490	3585
23	5380	3585	3585	3585	4490	4490	3585	7180	6295	5380	5380	-
24	4490	4490	3585	2690	4490	5380	5380	-	-	3585	3585	3585
25	2690	3585	3585	2690	2690	4490	3585	4490	6295	8950	9860	8950
26	3585	2690	3585	2690	3585	5380	6295	8060	8950	4490	3585	2690
27	1795	7180	7180	9860	5380	1795	1795	-	-	-	-	-
28	1795	2690	2690	6295	5380	5380	7180	7180	4490	4490	6295	5380
29	16130	14350	15250	16130	9860	10770	8950	11690	8950	7180	6295	7180
30	11690	8060	8060	8060	10770	11690	13430	11690	15250	10770	8950	11690
31	5380	5380	6295	7180	7180	8060	8950	4490	4490	4490	3585	3585
Promedio	6099	5554	5536	5591	5151	5787	6682	7437	6715	5734	5785	5982

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	8060	6295	5380	4490	5380	5380	5380	5380	4490	5380	5380	3585
2	3585	2690	3585	3585	7180	8060	12590	16130	5380	7180	6295	6295
3	16130	17050	10770	12590	10770	8950	5380	5380	5380	4490	3585	7180
4	1795	2690	2690	2690	2690	3585	3585	5380	5380	7180	8950	13430
5	1795	1795	1795	1795	1795	2690	1795	1795	1795	1795	1795	1795
6	14350	16130	17950	12590	8950	7180	15250	16130	13430	18870	12590	7180
7	10770	6295	4490	1795	3585	2690	-	5380	3585	3585	2690	2690
8	1795	1795	1795	2690	2690	5380	4490	2690	3585	13430	5380	5380
9	1795	1795	3585	1795	1795	1795	-	2690	3595	3585	5380	5380
10	8950	5380	5380	5380	5380	5380	8950	5380	5380	3585	4490	5380
11	5380	5380	5380	6295	8950	4490	13430	12590	8060	5380	6295	6295
12	4490	5380	5380	5380	4490	4490	5380	8060	5380	5380	5380	4490
13	4490	4490	3585	4490	4490	7180	9860	13430	16130	10770	8060	12590
14	4490	3585	3585	3585	3585	3585	5380	7180	5380	3585	3585	3585
15	6295	4490	5380	4490	6295	7180	5380	6295	6295	4490	3585	5380
16	4490	4490	6295	5380	5380	4490	5380	8959	6295	5380	6295	7180
17	8060	10770	6295	7180	7180	10770	10770	3585	3585	3585	4490	5380
18	7180	6295	-	8060	18870	7180	8060	10770	5380	-	-	5380
19	10770	7180	6295	7180	7180	8950	9860	10770	5380	5380	8060	6295
20	4490	4490	3585	8950	6295	6295	7180	10770	7180	5380	4490	8060
21	-	1795	-	-	3585	4490	6295	5380	5380	5380	4490	8950
22	7180	5380	5380	5380	7180	10770	13430	-	5380	-	4490	3585
23	5380	4490	3585	3585	4490	6295	4490	3585	-	5380	5380	-
24	4490	3585	3585	3585	4490	5380	5380	-	-	3585	4490	3585
25	3585	4490	2690	2690	3585	4490	-	5380	8060	10770	8950	8060
26	3585	3585	3585	3585	4490	5380	10770	8060	8060	10770	4490	3585
27	1795	8950	10770	15250	1795	3585	1795	-	-	-	-	-
28	2690	2690	2690	5380	6295	8950	8060	7180	3585	12590	6295	7180
29	17050	16130	16130	16130	9860	9860	10770	13430	8060	6295	8060	8060
30	10770	20350	8950	8950	11690	17050	12590	12590	9860	10770	9860	15250
31	5380	6295	6295	7180	8060	10770	8950	6295	8060	4490	6295	7180
Promedio	6369	6329	5753	6070	6079	6539	7879	7880	6340	6731	5847	6495

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	3585	3585	3585	3585	10770	20700	20900	8060	5380	4490	3585	6516
10770	5380	11690	12590	10770	12590	17950	28730	20350	17950	16130	16130	10533
10770	8060	8950	8950	5380	3585	3585	3585	2690	3585	2690	1795	7733
12590	12590	10770	11690	11690	8060	8060	7180	7180	3585	3585	2690	6320
2690	3585	3585	4490	5380	5380	10770	10770	16130	15250	17050	17950	5458
5380	7180	9860	12590	9860	12590	15250	17950	20350	18870	16130	15250	13594
2690	3585	3585	3585	5380	7180	7180	7180	7180	7180	7180	7180	6133
5380	5380	5380	4490	3585	6295	5380	5380	4490	3585	1795	1795	3664
4490	4490	4490	4490	5380	5380	9860	9860	8060	6295	5380	4490	4261
6295	5380	5380	5380	5380	4490	4490	3585	3585	3585	5380	5380	5086
5380	3585	5380	2690	4490	3585	4490	4490	3585	3585	3585	4490	5236
3585	3585	3585	4490	6295	6295	8060	8060	14350	8950	7180	5380	6018
6295	4490	4490	4490	5380	8060	8950	7180	10770	8060	6295	4490	6729
2690	3585	4490	3585	6295	8950	9860	8060	8060	6295	8950	4490	5192
5380	5380	5380	3585	6295	8950	17950	8950	5380	5380	4490	5380	5756
5380	4490	4490	4490	5380	6295	10770	15250	21520	10770	6295	8950	6917
4490	5380	4490	4490	4490	5380	8060	4490	4490	5380	6295	7180	5653
3585	3585	3585	-	-	4490	6295	7180	7180	7180	5380	7180	6876
3585	2690	3585	4490	5380	6295	8950	6295	7180	8950	6295	5380	6502
8959	6295	5380	5380	3585	7180	8060	7180	6295	6295	-	-	5834
7180	10770	9860	8950	8060	20700	22400	16130	12590	12590	8950	10770	9634
3585	-	3585	-	4490	-	-	10770	8060	-	-	-	6150
3585	3585	-	4490	-	5380	25150	27800	20350	18870	17950	10770	9089
3585	2690	2690	3585	3585	8950	13430	14350	13430	9860	8060	1795	5785
6295	8060	4490	5380	8060	9860	9860	8060	5380	4490	3585	2690	5753
2690	2690	2690	4490	7180	8060	4490	4490	4490	1795	1795	1795	4260
898	1795	3585	898	898	898	898	898	1795	2690	3585	2690	2974
2690	2690	4490	8060	7180	11690	8060	14350	20350	16130	16130	17950	7876
7180	7180	8060	7180	8060	7180	9860	11690	11690	13430	11690	10770	10279
16130	15250	13430	13430	14350	17050	23360	24200	17050	11690	7180	5380	12859
2690	3585	2690	2690	1795	1795	3585	4490	4490	4490	3585	5380	4597
5499	5352	5590	5817	6125	7778	10525	10628	9889	8405	7486	6867	6751

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	3585	2690	3585	5380	7180	16130	7180	3585	4490	4490	3585	5418
10770	8959	11690	12590	10770	10770	21520	25150	20350	18870	17950	20350	11346
7180	8060	5380	3585	3585	5380	5380	4490	4490	2690	2690	1795	6765
12590	13430	10770	8950	8950	8950	8060	7180	5380	3585	3585	2690	6423
3585	3585	3585	3585	1795	8950	8950	12590	17950	16130	20350	20700	6008
7180	8950	13430	12590	11690	16130	15250	20700	20350	20350	17950	16130	14221
1795	1795	3585	3585	5380	7180	7180	8060	7180	7180	-	7180	4893
5380	6295	7180	3585	6295	5380	5380	5380	5380	3585	1795	1795	4522
5380	5380	5380	5380	5380	5380	10770	8950	8950	5380	5380	4490	4756
6295	5380	5380	5380	5380	4490	4490	4490	4490	4490	5380	5380	5418
5380	5380	6295	3585	4490	3585	4490	4490	3585	5380	3585	4490	5944
4490	3585	4490	4490	5380	7180	7180	15250	12590	8950	5380	5380	6168
6295	4490	4490	5380	7180	8950	13430	7180	12590	8060	5380	4490	7811
3585	4490	5380	3585	8060	8060	7180	9860	8950	8060	8060	5380	5490
5380	5380	3585	4490	9860	12590	10770	5380	5380	5380	4490	5380	5984
5380	4490	6295	4490	6295	8950	11690	25150	16130	8950	7180	8950	7665
3585	3585	4490	4490	5380	9860	4490	4490	4490	7180	8060	7180	6205
5380	7180	8950	5380	4490	6295	5380	-	7180	7180	7180	7180	7448
3585	4490	3585	5380	8060	11695	8060	7180	8950	8950	6295	5380	7288
7180	6295	5380	5380	11690	12590	7180	7180	8950	6295	4490	-	6947
8950	12590	9860	8950	16130	22400	20700	16130	14350	14350	10770	10770	10080
3585	-	8060	-	7180	-	-	8950	3585	-	-	-	6634
17950	10770	4490	5380	-	-	28730	23360	23360	18870	16130	6295	10100
3585	2690	3585	3585	5380	12590	17950	13430	13430	7180	1795	3585	5952
4490	7180	7180	7180	12590	10770	9860	7180	5380	4490	3585	3585	6357
3585	3585	3585	7180	8950	7180	5380	5380	2690	2690	3585	3585	5305
1795	4490	1795	1795	1795	1795	1795	1795	2690	2690	2690	2690	3776
3585	3585	5380	8060	8060	11690	8950	17950	20350	17050	17950	18870	9003
8060	7180	8950	8060	8950	11690	11690	12590	12590	11690	9860	14350	11062
15250	15250	14350	12590	14350	20700	26000	22400	15250	10770	7180	5380	13673
8950	11690	10770	8950	15250	23360	24200	15250	8950	8950	7180	5380	9755
6251	6460	6452	6040	7800	10059	11274	11158	9985	8662	7600	7324	7390

COMPONENTE NORTE en MV/Km.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	-	-	-	-	-	-	-	- 6.8	- 5.4	- 5.4	3.4	3.4	5.2
2	8.6	1.7	5.2	5.2	6.9	1.7	- 1.4	- 1.4	- 1.4	1.7	3.4	6.9	3.4
3	8.6	5.2	3.4	1.7	6.9	1.7	3.4	1.7	- 1.4	5.2	1.7	5.2	1.7
4	- 1.4	1.7	- 1.4	1.7	5.2	5.2	- 1.4	- 2.7	- 2.7	3.4	- 1.4	5.2	- 2.7
5	3.4	3.4	3.4	1.7	1.7	- 2.7	3.4	- 2.7	- 1.4	- 2.7	- 4.1	1.7	- 2.7
6	3.4	5.2	3.4	3.4	6.9	3.4	3.4	1.7	3.4	3.4	- 1.4	5.2	1.7
7	3.4	1.7	1.7	1.7	3.4	- 1.4	1.7	- 2.7	1.7	1.7	1.7	6.9	3.4
8	6.9	8.6	3.4	10.3	10.3	5.2	6.9	3.4	1.7	1.7	1.7	3.4	- 1.4
9	6.9	8.6	6.9	5.2	5.2	1.7	- 1.4	- 1.4	- 2.7	- 1.4	1.7	1.7	- 1.4
10	3.4	1.7	6.9	1.7	1.7	- 1.4	1.7	- 2.7	- 4.1	3.4	3.4	6.9	1.7
11	- 2.7	3.4	3.4	- 1.4	1.7	- 1.4	1.7	- 2.7	- 1.4	- 1.4	- 4.1	3.4	1.7
12	-	-	-	-	-	-	- 4.1	- 5.4	- 4.1	- 1.4	- 1.4	3.4	- 2.7
13	- 1.4	1.7	- 1.4	1.7	3.4	- 1.4	- 1.4	- 4.1	- 5.4	- 4.1	- 4.1	3.4	1.7
14	- 2.7	1.7	- 1.4	1.7	1.7	- 4.1	- 1.4	- 6.8	- 6.8	- 4.1	- 4.1	- 1.4	- 5.4
15	3.4	1.7	- 1.4	- 2.7	- 1.4	- 4.1	- 5.4	-	-	-	-	-	-
16	1.7	- 1.4	- 1.4	- 2.7	- 1.4	- 1.4	- 2.7	1.7	- 1.4	- 2.7	- 2.7	1.7	- 4.1
17	1.7	1.7	1.7	- 1.4	3.4	- 2.7	- 4.1	- 5.4	- 2.7	- 5.4	- 5.4	- 5.4	- 2.7
18	- 5.4	- 2.7	- 1.4	- 1.4	1.7	- 1.4	- 4.1	- 2.7	- 5.4	- 5.4	- 5.4	- 5.4	- 5.4
19	- 5.4	- 8.1	- 4.1	- 4.1	- 2.7	- 4.1	- 4.1	- 5.4	- 2.7	- 2.7	- 6.8	- 5.4	- 5.4
20	- 2.7	- 5.4	- 4.1	- 4.1	- 4.1	- 4.1	- 4.1	- 5.4	- 6.8	- 6.8	- 8.1	- 5.4	- 5.4
21	-	-	-	- 8.1	- 8.1	- 9.5	- 9.5	- 9.5	- 8.1	- 6.8	- 9.5	- 8.1	- 6.8
22	- 5.4	- 4.1	- 5.4	- 2.7	1.7	- 2.7	- 1.4	-	- 5.4	- 6.8	- 5.4	- 2.7	- 4.1
23	- 2.7	- 2.7	- 2.7	-	-	- 2.7	- 4.1	- 4.1	- 8.1	- 5.4	- 2.7	- 2.7	- 2.7
24	- 1.4	- 2.7	- 1.4	- 2.7	- 1.4	- 4.1	- 5.4	-	-	- 2.7	- 2.7	- 1.4	- 1.4
25	- 2.7	- 2.7	- 1.4	- 1.4	- 1.4	- 2.7	- 2.7	- 5.4	- 4.1	- 5.4	- 4.1	- 2.7	- 2.7
26	- 5.4	- 1.4	- 2.7	- 1.4	- 1.4	- 6.8	- 4.1	- 5.4	- 5.4	- 4.1	- 5.4	- 2.7	1.7
27	-16.3	-19.0	-14.9	-	-	-	-	-	-	-	-	-	-
28	- 9.5	- 8.1	- 9.5	- 9.5	- 8.1	-13.6	-12.2	-12.2	-10.8	- 9.5	-10.8	- 8.1	- 8.1
29	- 5.4	- 1.4	- 2.7	- 2.7	- 1.4	- 5.4	- 6.8	- 8.1	- 6.8	-10.8	- 9.5	- 5.4	- 6.8
30	- 4.1	- 4.1	- 4.1	- 5.4	- 2.7	- 6.8	- 5.4	- 5.4	-	-	- 6.8	- 5.4	- 9.5
31	- 8.1	- 2.7	- 2.7	- 4.1	- 1.4	- 5.4	- 5.4	- 6.8	- 8.1	- 8.1	- 9.5	- 8.1	- 8.1
Prom	- 1.1	- 0.7	- 0.9	- 0.7	1.0	- 2.5	- 2.4	- 4.0	- 3.9	- 3.0	- 3.4	- 0.4	- 2.3
Var.	1.0	1.4	1.2	1.4	3.1	- 0.4	- 0.3	- 1.9	- 1.8	- 0.9	- 1.3	1.7	- 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	-	-	-	-	-	-	-	-34.6	-35.9	-34.6	-33.2	-33.2	-33.2
2	-31.9	-30.6	-30.6	-31.9	-31.9	-31.9	-31.9	-34.6	-33.2	-33.2	-31.9	-33.2	-33.2
3	-31.9	-30.6	-31.9	-33.2	-33.2	-31.9	-33.2	-30.6	-30.6	-31.9	-30.6	-30.6	-31.9
4	-27.9	-29.3	-30.6	-31.9	-30.6	-31.9	-30.6	-31.9	-31.9	-30.6	-31.9	-31.9	-31.9
5	-31.9	-30.6	-30.6	-33.2	-35.9	-34.6	-34.6	-34.6	-33.2	-31.9	-31.9	-33.2	-34.6
6	-30.6	-30.6	-30.6	-33.2	-31.9	-31.9	-30.6	-29.3	-29.3	-31.9	-30.6	-31.9	-30.6
7	-29.3	-29.3	-29.3	-30.6	-33.2	-34.6	-34.6	-30.6	-29.3	-29.3	-30.6	-30.6	-30.6
8	-30.6	-27.9	-27.9	-30.6	-30.6	-31.9	-31.9	-33.2	-31.9	-31.9	-33.2	-33.2	-33.2
9	-31.9	-31.9	-30.6	-33.2	-33.2	-34.6	-31.9	-33.2	-33.2	-33.2	-33.2	-35.9	-33.2
10	-30.6	-30.6	-31.9	-34.6	-31.9	-31.9	-33.2	-31.9	-33.2	-30.6	-31.9	-34.6	-33.2
11	-34.6	-33.2	-31.9	-34.6	-34.6	-33.2	-31.9	-33.2	-31.9	-31.9	-31.9	-30.6	-31.9
12	-34.6	-31.9	-33.2	-33.2	-33.2	-33.2	-31.9	-31.9	-30.6	-31.9	-33.2	-33.2	-33.2
13	-35.9	-31.9	-33.2	-34.6	-33.2	-35.9	-33.2	-31.9	-31.9	-30.6	-31.9	-31.9	-33.2
14	-33.2	-31.9	-33.2	-31.9	-33.2	-34.6	-33.2	-33.2	-33.2	-31.9	-31.9	-33.2	-31.9
15	-31.9	-31.9	-31.9	-33.2	-33.2	-33.2	-33.2	-	-	-	-	-	-
16	-31.9	-31.9	-30.6	-32.3	-32.3	-32.3	-32.3	-35.9	-33.2	-34.6	-33.2	-31.9	-29.3
17	-31.9	-30.6	-30.6	-30.6	-31.9	-30.6	-31.9	-29.3	-29.3	-30.6	-29.3	-29.3	-29.3
18	-30.6	-31.9	-31.9	-30.6	-29.3	-31.9	-30.6	-30.6	-30.6	-29.3	-29.3	-29.3	-29.3
19	-31.9	-31.9	-30.6	-33.2	-29.3	-31.9	-31.9	-31.9	-30.6	-30.6	-30.6	-30.6	-29.3
20	-29.3	-27.9	-29.3	-30.6	-31.9	-31.9	-29.3	-29.3	-30.6	-29.3	-30.6	-31.9	-31.9
21	-24.0	-27.9	-29.3	-31.9	-34.6	-34.6	-34.6	-30.6	-29.3	-29.3	-29.3	-30.6	-30.6
22	-31.9	-29.3	-29.3	-30.6	-29.3	-	-29.3	-	-29.3	-29.3	-29.3	-29.3	-29.3
23	-34.6	-31.9	-31.9	-31.9	-31.9	-31.9	-30.6	-30.6	-31.9	-31.9	-31.9	-31.9	-33.2
24	-30.6	-29.3	-29.3	-30.6	-31.9	-30.6	-30.6	-	-	-27.9	-29.3	-29.3	-29.3
25	-24.0	-26.6	-29.3	-29.3	-29.3	-29.3	-29.3	-29.3	-29.3	-30.6	-30.6	-30.6	-30.6
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	12.6	12.6	- 7.8	3.1	- 1.3	- 1.3	- 2.7	4.7	3.1	3.1	1.6	- 1.3	3.1
29	1.6	9.4	3.1	- 4.0	- 5.3	1.6	- 2.7	3.1	1.6	1.6	1.6	- 1.4	- 2.7
30	- 2.7	1.6	- 1.3	- 5.3	- 4.0	- 6.7	- 5.3	- 5.3	- 5.3	- 5.3	- 6.7	- 6.7	- 2.7
31	- 8.0	- 2.7	- 4.0	- 8.0	- 8.0	- 8.0	- 8.0	- 6.7	- 2.7	- 5.3	- 5.3	- 5.3	- 4.0
Prom	-26.6	-25.4	-26.8	-28.1	-28.2	-28.3	-28.0	-26.9	-26.9	-27.0	-27.1	-27.7	-27.3
Var.	0.8	2.0	0.6	- 0.7	- 0.8	- 0.9	- 0.6	0.5	0.5	0.4	0.3	- 0.3	0.1

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
- 2.7	1.7	- 1.4	1.7	3.4	3.4	1.7	- 1.4	1.7	- 2.7	3.4	0.2	1
1.7	3.4	1.7	1.7	- 1.4	- 1.4	- 4.1	- 4.1	- 1.4	3.4	6.9	2.0	2
1.7	1.7	1.7	- 1.4	3.4	1.7	- 2.7	- 2.7	- 1.4	- 1.4	1.7	2.0	1
1.7	- 5.4	- 2.7	- 1.4	- 5.4	- 6.8	1.7	1.7	3.4	5.2	3.4	0.2	1
3.4	- 1.4	- 1.4	1.7	- 2.7	1.7	- 2.7	- 2.7	5.2	3.4	6.9	0.6	1
3.4	1.7	- 1.4	- 1.4	1.7	- 1.4	3.4	- 1.4	5.2	5.2	5.2	2.6	2
5.2	1.7	1.7	- 1.4	1.7	1.7	- 1.4	1.7	3.4	5.2	5.2	2.1	1
1.7	1.7	- 2.7	- 5.4	- 2.7	- 1.4	- 2.7	- 1.4	3.4	8.6	6.9	2.8	1
- 1.4	- 1.4	- 1.4	- 2.7	- 1.4	- 1.4	- 1.4	- 1.4	3.4	3.4	5.2	1.2	1
4.1	- 1.4	- 1.4	- 2.7	- 2.7	- 4.1	1.7	- 1.4	- 1.4	- 2.7	- 1.4	0.4	1
- 2.7	- 5.4	- 2.7	- 1.4	- 1.4	- 4.1	- 5.4	- 2.7	3.4	5.2	1.7	- 0.6	2
- 1.4	- 1.4	1.7	- 1.4	- 1.4	- 5.4	- 6.8	- 6.8	1.7	- 1.4	1.7	- 2.0	1
1.7	- 2.7	- 2.7	- 2.7	- 2.7	- 1.4	- 2.7	- 4.1	1.7	- 1.4	- 1.4	- 1.2	1
- 1.4	- 1.4	- 1.4	- 2.7	- 2.7	- 2.7	- 4.1	- 1.4	1.7	- 1.4	- 1.4	- 2.2	0
-	-	-	-	- 6.8	- 9.5	- 5.4	- 5.4	- 2.7	1.7	- 1.4	- 2.8	1
- 5.4	- 5.4	- 4.1	- 4.1	- 2.7	- 6.8	- 4.1	- 5.4	- 2.7	- 1.4	- 1.4	- 2.5	1
- 1.4	- 1.4	- 1.4	- 2.7	- 4.1	- 4.1	- 2.7	- 2.7	- 1.4	- 1.4	- 6.8	- 2.4	0
- 1.4	- 6.8	- 6.8	- 5.4	- 6.8	- 5.4	- 9.5	5.4	3.4	- 1.4	- 1.4	- 3.4	1
- 5.4	- 5.4	- 6.8	- 6.8	- 4.1	- 6.8	- 8.1	- 8.1	- 2.7	- 1.4	- 1.4	- 4.9	1
- 5.4	- 8.1	- 8.1	- 9.5	- 8.1	- 6.8	- 8.1	- 9.5	- 5.4	- 8.1	- 5.4	- 6.2	1
- 5.4	- 8.1	- 8.1	- 8.1	- 9.5	- 5.4	- 8.1	- 5.4	- 4.1	- 4.1	- 8.1	- 7.5	1
- 5.4	- 6.8	- 6.8	- 5.4	- 6.8	- 5.4	- 8.1	- 5.4	1.7	- 1.4	- 2.7	- 4.0	1
- 5.4	- 5.4	- 5.4	- 5.4	- 5.4	- 6.8	- 5.4	- 4.1	- 4.1	- 2.7	- 2.7	- 4.2	1
- 1.4	- 2.7	- 4.1	- 4.1	- 5.4	- 5.4	- 5.4	- 5.4	- 1.4	- 1.4	- 1.4	- 3.0	1
- 2.7	- 2.7	- 4.1	- 2.7	- 5.4	- 5.4	- 5.4	- 4.1	- 1.4	- 5.4	- 6.8	- 3.6	1
- 1.4	- 2.7	- 2.7	- 5.4	- 2.7	- 2.7	- 6.8	- 6.8	- 2.7	- 4.1	- 6.8	- 6.4	1
-	-	-	-	-20.3	-17.6	-16.3	-13.6	-10.8	-13.6	-12.2	-15.5	2
- 9.5	- 8.1	-10.8	-13.6	- 9.5	- 8.1	-10.8	-10.8	-14.9	- 9.5	- 9.5	-10.2	1
- 8.1	-10.8	-	-	- 9.5	- 8.1	- 6.8	- 8.1	- 2.7	- 8.1	- 2.7	- 6.3	2
- 9.5	- 8.1	-	- 9.5	- 9.5	-13.6	-10.8	-	-	- 6.8	- 2.7	- 6.8	1
- 6.8	- 5.4	- 5.4	-	- 8.1	- 6.8	- 6.8	- 6.8	- 4.1	- 4.1	- 5.4	- 6.0	1
- 2.1	- 3.3	- 3.2	- 3.8	- 4.5	- 4.7	- 5.0	- 4.1	- 0.9	- 1.4	- 1.1	- 2.1	
0.0	- 1.2	- 1.1	- 1.7	- 2.4	- 2.6	- 2.9	- 2.0	1.2	0.7	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
-33.2	-31.9	-33.2	-31.9	-31.9	-31.9	-34.6	-33.2	-33.2	-30.6	-31.9	-33.1	1
-35.9	-41.2	-35.9	-35.9	-38.6	-33.2	-33.2	-33.2	-34.6	-33.2	-29.3	-33.5	2
-31.9	-31.9	-31.9	-35.9	-31.9	-33.2	-34.6	-33.2	-33.2	-33.2	-27.9	-32.1	0
-31.9	-31.9	-31.9	-31.9	-31.9	-30.6	-31.9	-33.2	-33.2	-30.6	-31.9	-31.4	0
-34.6	-33.2	-31.9	-34.6	-34.6	-31.9	-31.9	-31.9	-31.9	-30.6	-31.9	-32.9	0
-31.9	-31.9	-31.9	-31.9	-31.9	-31.9	-30.6	-31.9	-30.6	-31.9	-31.9	-31.3	0
-31.9	-31.9	-31.9	-29.3	-30.6	-30.6	-30.6	-30.6	-30.6	-30.6	-29.3	-30.8	1
-34.6	-34.6	-34.6	-33.2	-33.2	-31.9	-31.9	-31.9	-33.2	-33.2	-33.2	-32.3	0
-33.2	-34.6	-35.9	-33.2	-34.6	-34.6	-35.9	-33.2	-33.2	-31.9	-31.9	-33.4	1
-33.2	-31.9	-31.9	-33.2	-33.2	-31.9	-33.2	-34.6	-33.2	-33.2	-33.2	-32.6	1
-33.2	-31.9	-30.6	-31.9	-31.9	-34.3	-31.9	-31.9	-34.3	-31.9	-33.2	-32.6	0
-34.6	-33.2	-31.9	-34.6	-34.6	-34.6	-35.9	-35.9	-34.6	-34.6	-31.9	-33.4	0
-33.2	-31.9	-33.2	-33.2	-33.2	-31.9	-34.6	-33.2	-33.2	-30.6	-30.6	-32.8	1
-30.6	-30.6	-31.9	-31.9	-33.2	-31.9	-33.2	-31.9	-30.6	-31.9	-34.6	-32.4	0
-	-	-	-	-34.6	-35.9	-34.6	-31.9	-31.9	-33.2	-31.9	-33.0	0
-29.3	-29.3	-30.6	-30.6	-31.9	-31.9	-30.6	-31.9	-31.9	-32.3	-30.6	-31.8	1
-29.3	-31.9	-29.3	-29.3	-29.3	-29.3	-30.6	-29.3	-29.3	-31.9	-30.6	-30.2	1
-30.6	-29.3	-31.9	-30.6	-31.9	-33.2	-34.6	-33.2	-31.9	-30.6	-31.9	-31.0	0
-29.3	-29.3	-29.3	-30.6	-30.6	-30.6	-33.2	-31.9	-29.3	-30.6	-30.6	-30.8	0
-31.9	-31.9	-31.9	-31.9	-33.2	-31.9	-33.2	-31.9	-31.9	-30.6	-27.9	-30.9	0
-30.6	-30.6	-29.3	-29.3	-29.3	-30.6	-30.6	-30.6	-30.6	-31.9	-31.9	-30.5	0
-29.3	-30.6	-30.6	-29.3	-29.3	-30.6	-30.6	-29.3	-27.9	-29.3	-29.3	-29.6	0
-31.9	-30.6	-30.6	-30.6	-31.9	-30.6	-29.3	-29.3	-30.6	-30.6	-31.9	-31.4	0
-30.6	-29.3	-29.3	-29.3	-27.9	-27.9	-29.3	-29.3	-27.9	-29.3	-27.9	-29.4	0
-29.3	-30.6	-29.3	-29.3	-31.9	-30.6	-31.9	-29.3	-30.6	-29.3	-27.9	-29.5	1
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	- 2.7	1.6	4.7	3.1	- 2.7	- 2.7	0.2	2
- 2.7	1.6	1.6	1.6	- 1.3	- 1.3	- 5.3	- 1.3	- 2.7	- 2.7	- 6.7	0.4	2
- 4.0	- 1.4	- 1.4	- 2.7	- 4.6	- 5.3	- 5.3	- 6.7	- 2.7	- 8.0	- 8.0	- 1.8	2
- 4.0	- 5.7	- 8.0	- 8.0	-10.6	- 9.3	- 8.0	- 9.3	- 9.3	-14.6	-14.6	- 6.5	2
- 5.3	- 4.0	- 5.3	- 5.3	- 5.3	- 5.3	- 6.7	- 5.3	- 5.3	- 8.0	- 8.0	- 5.8	1
-27.9	-27.7	-27.6	-27.8	-28.6	-27.4	-27.9	-27.2	-27.0	-27.4	-27.2	-27.4	
- 0.5	- 0.3	- 0.2	- 0.4	- 1.2	0.0	- 0.5	0.2	0.4	0.0	0.2		

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	62.7	62.5	62.4	62.2	62.0	62.2	62.4	62.4	62.4	62.1	61.5	60.9	60.1	59.6	59.2
2	60.4	60.3	60.3	60.4	60.5	60.8	61.4	61.8	62.1	62.1	62.1	61.9	61.5	61.3	61.3
3	63.7	63.8	63.9	63.8	63.9	64.6	64.8	65.6	66.2	66.3	65.9	65.5	64.8	64.5	64.4
4	64.6	64.4	64.1	63.9	63.6	63.6	63.9	64.0	63.9	63.8	63.4	62.9	62.2	61.6	61.5
5	62.3	62.1	61.8	61.8	61.8	61.8	61.9	62.0	61.9	61.9	61.6	61.0	60.4	60.2	59.7
6	60.2	60.1	60.2	60.1	60.1	60.1	60.2	60.2	60.3	60.2	59.7	59.2	58.4	58.2	58.1
7	57.1	57.1	57.0	56.9	56.8	56.8	56.9	56.9	56.9	57.0	56.7	56.3	55.5	55.2	55.1
8	55.1	55.2	54.5	55.0	54.8	55.2	55.3	55.9	55.9	55.8	55.6	55.1	55.0	54.9	55.0
9	58.2	58.3	58.9	59.1	59.3	59.7	60.2	60.4	60.4	60.3	59.9	59.6	59.3	58.8	58.8
10	59.4	59.2	58.8	58.6	58.6	58.6	58.5	58.4	58.2	57.6	57.2	56.4	55.4	55.0	54.4
11	54.5	54.1	53.9	53.9	54.1	54.1	54.3	55.1	55.7	55.9	56.3	55.6	55.0	54.8	54.9
12	58.0	57.9	57.9	57.8	57.9	58.1	58.5	58.9	59.4	59.6	59.5	58.8	58.9	58.0	57.5
13	61.5	61.7	61.6	61.5	61.6	61.7	62.3	62.6	62.5	62.4	62.2	61.4	60.4	60.2	59.5
14	56.4	55.9	55.8	55.7	55.7	55.9	56.1	56.0	56.3	56.3	55.8	55.2	54.3	53.8	53.1
15	52.5	52.3	51.7	51.5	51.6	51.6	51.6	52.2	52.4	52.8	53.1	52.9	52.8	52.8	53.2
16	58.1	58.0	57.9	57.5	57.7	57.8	58.0	58.5	58.8	58.8	58.6	57.6	56.8	56.0	55.6
17	55.9	55.9	56.3	56.5	56.7	57.0	57.7	58.2	58.5	58.7	58.7	58.5	58.5	58.5	58.8
18	61.6	61.6	61.3	61.3	61.3	61.4	61.9	62.0	61.9	61.7	61.0	60.4	59.7	59.2	59.3
19	60.5	60.2	60.3	60.3	60.3	60.3	60.5	60.5	60.5	60.4	60.1	59.4	58.8	57.8	57.2
20	58.2	58.4	58.3	57.9	57.7	57.6	58.3	58.4	58.4	58.5	58.3	57.6	56.9	56.4	56.0
21	60.1	60.8	61.0	61.3	62.1	63.1	64.2	65.0	65.9	66.5	66.5	66.3	65.6	65.4	65.4
22	65.4	65.1	64.6	64.5	64.4	64.5	64.8	65.0	64.9	64.8	64.6	63.7	62.9	62.4	61.8
23	62.1	61.7	61.7	61.8	62.3	62.4	62.6	62.8	62.9	62.9	62.7	62.1	61.7	61.0	60.7
24	61.0	60.9	60.6	60.4	60.0	59.9	59.7	59.6	59.7	59.7	59.3	58.8	58.3	57.6	57.3
25	56.5	56.0	55.8	55.7	55.5	55.4	55.7	55.8	55.8	55.7	55.5	55.0	54.5	54.2	53.7
26	54.1	53.8	53.9	53.6	53.8	53.9	54.2	54.2	54.3	54.4	54.3	53.7	53.3	52.6	52.4
27	51.9	51.6	51.0	50.8	52.1	51.8	50.4	51.8	52.2	53.1	52.8	53.8	53.5	53.2	54.1
28	58.1	58.1	58.1	58.6	58.7	58.9	59.0	59.6	59.9	60.7	60.5	60.1	59.6	59.0	58.9
29	60.1	59.7	60.3	59.7	59.9	60.2	60.7	61.4	61.5	61.8	61.9	61.9	61.5	61.5	61.8
30	64.1	64.2	64.3	64.4	64.5	65.0	65.3	66.0	66.1	66.5	66.4	65.9	65.5	65.0	64.9
31	64.6	64.8	65.0	64.9	64.8	64.8	64.8	64.0	64.0	64.6	64.1	63.2	62.2	61.6	60.9
Prom	59.3	59.2	59.1	59.1	59.2	59.3	59.6	59.8	60.0	60.1	59.9	59.4	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	5.2	5.2	5.2	5.3	5.3	4.9	5.4	7.9	10.7	12.9	14.6	15.6	16.6	16.9	16.9
2	9.7	9,0	8.6	7.4	6,1	5,6	5.6	8.8	12.6	14.8	15,8	17.7	18.0	18.8	18.1
3	9.0	8,9	9.0	8.7	8.7	8.6	9.0	9.9	11.3	12.6	15,2	17.4	18,1	19.0	18.9
4	12.8	12.4	12.4	12.4	12.0	12.0	12.6	13.3	14.4	16.3	17.3	17.7	18.3	19.3	18.3
5	15.2	15.2	15.2	15.3	15.2	15.1	15.1	14.7	15.4	16.1	16.4	17.6	17.8	18.8	18.7
6	10.1	10.0	9.0	10,1	9,8	9.4	9.5	10.2	11.4	13.4	16.6	17.0	19.8	19.3	18.1
7	10.8	11,0	11.2	11,8	11.7	11.1	10,9	12.0	14,1	15.1	16.6	18.5	19.6	20.2	19.3
8	12.9	12.4	11.8	11,3	11.2	11.2	11.3	10.9	12.3	13,5	14.9	15.9	15.9	16.5	15.9
9	5.7	4.7	4.5	4.3	3.8	3.7	3,2	5.1	7.2	9.2	11.2	13.0	13.8	14.7	14.2
10	1.7	1.2	1.2	1.3	1.2	1.1	0.6	3.7	7.7	11.3	13.3	14.3	14.6	15.3	15.2
11	4.8	5.0	4.9	4.9	5.1	5,9	5.4	7.5	9.2	12.0	15,3	17.2	16,3	15.4	15.3
12	4.3	3.4	3.0	2.4	2.2	2.2	1.6	4.7	8.6	11.8	14.5	16.9	18.3	18.7	18.6
13	6.1	5.1	4.3	2.7	1.8	1.3	1,0	4.8	10.6	13.7	15.5	16.9	17.8	18.5	18.6
14	10.1	10.0	9.3	9.1	8.4	7.9	7.3	9.1	11.2	14.5	16.5	18.4	19.6	20.3	20.0
15	9.6	9.2	9.5	8.8	8.1	7.9	7.8	9.8	12.8	15.1	16.3	16.3	17.1	18.0	17.9
16	5.6	4.9	4.0	2.8	1.8	1.4	0.8	3.5	7.0	9.9	12.3	14.5	15.4	15.7	15.5
17	3.0	2.4	2.3	1.5	1.4	0.5	0.5	4.1	6.4	7.0	8.3	9.9	9.9	9.7	9.4
18	- 1.4	- 1.7	- 2.4	- 2.9	- 2.8	- 2.9	- 2.9	0.1	3.5	7.6	10.2	12.1	12.0	13.1	13.6
19	4.9	5.8	5.1	4.1	3.5	3.5	3.7	5.0	8.8	12.3	15.6	17.5	18.4	18.4	18.9
20	8.7	8.5	6.8	7.3	7.0	6.8	5.8	5.1	8.2	12.1	14.9	17.3	18.4	19.7	20.0
21	9.5	9.5	8.8	7.9	7.2	6.9	6.0	7.3	10.1	11.7	13.4	14.4	15.4	16.5	16.5
22	5.5	5.4	4.7	4.4	4.4	3.6	3.8	6.1	9.2	12.4	15.4	17.0	17.8	18.3	18.0
23	8.3	8.6	7.3	6.1	6.1	6.2	6.4	7.7	10.5	13.4	16.5	18.1	19.2	19.4	19.4
24	10.9	10.9	10.9	10.9	9.9	9.5	9.7	11.7	13.7	15.7	17.6	19.5	19.9	21.1	20.8
25	15.2	15.0	14.9	14.5	14.0	13.2	13.1	14.5	15.9	17.2	18.1	20.5	21.8	22.2	22.3
26	17.2	17.1	17.1	17.3	17.2	17.2	17.3	17.5	18.8	20.3	21.0	22.2	23.5	24.1	23.9
27	18.4	18.8	18.7	18.7	16.4	16.1	15.7	15.6	16.0	16,3	18.4	16.6	16.7	18.6	16.3
28	8.8	8.2	7.0	6.2	6.0	6.0	6.0	5.9	7.3	9.1	11.1	14.4	14.9	16.1	16.1
29	8.8	8.9	9.1	9.7	9.5	8.8	8.8	9.0	12.2	14.6	16.3	17.0	17.9	18.4	18.1
30	3.6	3.5	2.9	3.0	2.5	3.1	2.6	4.7	9.4	12.2	15.4	16.6	17.5	17.7	17.1
31	11.0	10.0	8.6	7.4	8.2	8.3	8.4	10.4	12.4	12.9	15.6	16.9	18.1	18.2	17.9
Prom	8.6	8.3	7.9	7.6	7.2	7.0	6.8	8.4	10.9	13.1	15.2	16.6	17.4	18.0	17.7

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
58.8	58.6	58.9	59.4	59.7	60.2	60.3	60.4	60.4	62.8	0	58.6	17	4.2	760.9 mm.	1014.5 mb.
61.4	61.4	61.8	62.5	62.7	62.9	63.6	63.8	63.7	63.8	23	60.3	2,3	3.5	61.8	1015.7
64.2	64.2	64.4	64.9	65.0	65.2	65.1	65.2	64.7	66.3	10	63.6	0-1	2.7	64.8	1019.7
61.7	61.8	62.3	62.3	62.4	62.4	62.5	62.5	62.3	64.7	0	61.5	15	3.2	63.0	1017.0
59.5	59.5	59.7	60.1	60.2	60.6	60.6	60.4	60.4	62.3	0,1	59.5	16,17	2.8	61.0	1014.6
58.1	57.8	57.8	58.4	57.9	57.8	57.8	57.5	57.4	60.3	9	57.4	24	2.9	59.0	1012.0
55.1	54.9	55.0	55.0	54.9	54.8	54.9	54.5	55.2	57.4	0	54.3	23-24	3.1	55.9	1007.8
55.7	55.8	56.4	57.1	57.2	57.9	58.1	58.2	58.2	58.3	23-24	54.4	2-3	3.9	56.0	1008.0
58.7	58.8	59.1	59.3	59.4	59.4	59.5	59.5	59.6	60.4	8,9	58.0	0-1	2.4	59.4	1012.5
54.5	54.6	54.6	54.6	54.8	54.7	54.8	54.7	54.6	59.6	0	54.4	15	5.2	56.5	1008.6
55.2	55.5	55.8	56.5	56.8	57.1	57,6	57.6	57.9	56.3	11	53.9	3,4	2.4	55.5	1007.3
58.2	58,6	58.9	59.8	59.8	60.0	60.4	60.8	60.9	60.9	24	57.8	4	3.1	58.9	1011.8
59.0	58.6	58.2	58.0	57.6	57.5	57.4	56.9	56.7	62.6	8	56.7	24	5.9	60.1	1013.4
53.2	53.1	53.0	53.1	52.9	53.0	53.0	52.7	52.6	56.7	0	52.6	24	4.1	54.5	1006.0
53.2	53.1	53.8	54.7	55.8	56.9	57.3	57.8	58.0	58.0	24	51.5	4	6.5	53.6	1004.8
55.4	55.1	55.4	55.6	55.6	55.7	55.8	55.9	56.0	60.0	9-10	55.1	17	4.9	56.9	1009.2
59.0	59.0	59.6	60.1	60.5	60.8	60.9	61.2	61.6	61.6	24	55.8	1-2	5.8	58.6	1011.4
59.4	59.5	59.7	59.9	60.4	60.5	60.7	60.7	60.6	62.0	8	59.2	14	2.8	60.7	1013.4
57.1	57.1	57.4	57.6	57.8	58.0	58.2	58.3	58.0	60.5	varios	57.1	16,17	3.4	59.0	1012.0
56.0	56.3	56.5	57.0	57.4	58.1	58.7	59.0	59.6	59.6	24	56.0	15,16	3.6	57.7	1010.2
65.4	65.6	65.6	65.7	65.5	65.7	65.6	65.6	65.5	66.6	11-12	59.6	0	7.0	64.5	1019.3
61.8	61.8	61.9	62.1	62.2	62.2	62.3	62.2	62.1	65.5	0	61.8	varios	3,7	63.4	1017,8
60.7	60.9	61.1	61.4	61.8	61.8	61.4	61.2	61.1	62.9	9,10	60.7	15,16	2.2	61.8	1015.7
57.2	57.0	56.7	56.7	56.5	56.5	56.6	56.6	56,6	61.1	0	56.3	20-21	4.8	58.5	1011.3
53.7	53.8	53.9	54.1	54.3	54.6	54.7	54.9	54.3	56.6	0	53.7	15,16	2.9	55.0	1006.6
52.5	52.6	53.0	53.0	52.9	52.8	52.8	52.3	51.9	54.4	10	51.9	24	2.5	53.3	1004.4
55.5	56.2	56.5	57.2	57.4	57,5	57.5	58.2	58.2	58.2	23,24	50,4	7	7.8	54.1	1005.4
58.5	58.5	58.8	59.1	59.4	60.2	60.3	60.3	60.2	60.7	10	58.0	0-1	2.7	59.3	1012.4
62.0	62.0	62.0	62.4	63.0	63.4	63.7	64.0	64.1	64.1	24	59.7	2,4	4.4	61.7	1015.6
65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.0	64.9	66.7	10-11	64.0	0-1	2.7	65.1	1020.1
60.9	60.7	60.8	60.8	60.7	60.5	60.4	60.3	59.4	64.6	10	59.4	24	5.2	62.6	1016.8
58.3	58.3	58.5	58.8	59.0	59.2	59.3	59.3	59.2	61.1		57.2		3.9	59.1	1012.1

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
16.7	14,8	12.7	9.8	10.6	10.7	10.7	10.6	10.1	17.0	14-15	4.9	6	12.1	10.6
17.2	15.2	12.8	10.9	9.8	8.8	9.2	9.4	9.3	18,8	14	5.6	6,7	13.2	11.6
18.9	17.4	16.6	15.2	14.3	14.0	13.7	13.2	12.8	19.2	15-16	8.6	6	10.6	13.4
17.6	17.2	16.5	15.9	15.3	15.1	15.2	15.1	15.1	19,5	13-14	12.0	5,6	7.5	15.2
18.5	17.7	15.1	13.8	13.5	12.7	12.0	11.8	10.7	19.1	15-16	10.7	24	8.4	15.3
17.3	15.5	14.1	12.8	12.1	11.6	10.1	10.5	10.3	19.8	13	9.0	3	10.8	12.8
18.2	17.2	16.4	16.1	15.7	15.5	15.1	14.5	14.1	20,4	13-14	10.9	7	9.5	14.9
14.9	12.5	10.4	9.4	8.1	7.4	7.5	7.1	6.2	16.5	14	6.2	24	10.3	11.7
13.3	10,7	8,0	5.9	4.9	4.1	4.2	3.3	2,5	14.7	14	3.2	7	11.5	7.3
14.9	12.4	9.7	7.7	6.4	5.9	5.1	4.8	4.8	15.4	14-15	0.6	7	14.8	7.3
15.2	12.5	10.1	8.7	7.9	7.6	7.0	6.9	5.2	17.3	11-12	4.8	0,1	12.5	9.4
18.0	15.1	11.2	9.0	7.0	6.9	6.9	7.0	6.8	18.9	14-15	1.6	7	17.3	9.1
18.4	15.2	13.4	12.3	11.5	10,4	11,1	10.5	10.5	18.6	15	1.0	7	17.6	10.5
19.3	16.6	14.1	13.7	11.5	10.6	10.5	9.6	9.7	20.3	14	7.3	7	13.0	12.8
18.0	15.6	12.1	10.6	11.5	9.9	8.6	7.7	6.6	18.0	16	6.6	24	11.4	11.9
15.2	12.5	9,0	6.6	4.9	4.8	4.1	4.0	3.3	15.7	14	0.6	7-8	15.1	7.5
9.2	7.9	5.4	4.0	3.1	2.3	0.8	0.2	-0.6	9.9	12,13	- 0.6	24	10.5	4.5
13.4	11.6	10.4	8.4	6.4	6.3	5.8	6.1	4.9	13.6	15	- 3.1	5-6	16.7	5.4
18.1	16.2	12.9	12.0	12.0	11.3	10.6	10.3	9.6	18.9	15	3.5	5,6	15.4	10.8
19.7	17.5	14.6	12.4	11.1	10.1	9.0	9.3	9.3	20.0	15	4.9	7-8	15.1	11.6
16.0	12.9	10.5	8.9	7.5	7.0	6.4	6,4	5.8	16,8	14-15	5,8	7-8	11.0	10.1
17.0	14.2	11.9	10.5	10.3	10.1	10.0	9.6	8.8	18.3	14	3.6	6	14.7	10.4
18.8	16.5	13.7	11.9	11.9	11.6	10.9	10.6	11.0	19.7	14-15	6.1	4,5	13.6	12.1
20.1	19.1	17.8	16.0	15.2	15.1	15.0	15.0	15.2	21.6	14-15	9.5	6	12.1	15.0
21.5	19.5	18.5	18.4	18.6	18.1	18.1	18.1	17.2	22.3	15	13.1	7	9.2	17.5
23.2	21.7	21.2	21.0	19.7	19.6	19.5	19.4	18.2	24.1	14	17.0	7-8	7.1	19.8
15.4	14.8	14.0	12.9	12.5	11.7	10.1	9.7	9.1	18.8	2	9.1	24	9.7	15.3
15.9	14.6	13.0	11.5	10.7	9.8	9.1	8.3	8.7	16.6	14-15	5.2	7-8	11.4	10.2
18.1	14.8	11.5	8.6	6.8	5.8	5.2	4.4	3.6	18.1	15,16	3.6	24	14.5	11.1
15.0	13.2	11.7	11.0	10.8	10.9	10.9	11.0	11.1	17.9	13-14	2.6	7	15.3	9.9
16.8	14.8	13.6	12.8	12.5	13.1	13.1	12.5	12.4	18.2	14	7.2	3-4	11.0	12.7
17.1	15.1	13.0	11.6	10.8	10.3	9.8	9.6	9.1	18.2		5.9		12.3	11.5

HUMEDAD RELATIVA en %

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

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	6.4	6.4	6.4	6.2	6.4	6.2	6.4	6.7	7.4	7.4	7.0	7.6	7.4	7.1	6.8
2	7.8	7.8	8.0	7.4	6.8	6.6	6.6	8.5	8.5	9.0	8.0	8.5	8.5	9.0	9.5
3	8.0	8.0	8.0	8.0	8.0	8.0	8.0	9.1	9.5	10.5	10.5	11.5	11.0	11.5	11.5
4	10.5	10.5	10.5	10.5	10.0	10.0	10.5	11.0	11.5	12.0	12.5	13.0	12.5	13.5	13.5
5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.0	12.0	11.5	11.5	11.5	11.5	11.5	11.5
6	9.0	8.5	8.0	9.0	8.5	8.5	8.5	9.0	9.5	11.0	10.0	9.5	9.5	11.0	11.0
7	9.0	9.5	9.5	10.0	10.0	9.5	9.0	9.6	10.5	10.5	10.5	10.5	10.5	11.2	10.5
8	10.5	10.0	10.0	9.5	9.5	9.5	9.5	9.7	8.5	7.8	7.2	6.4	5.6	5.6	5.6
9	5.6	5.6	5.8	5.6	5.8	5.4	5.6	5.3	5.4	5.8	5.6	5.2	5.0	4.8	5.0
10	4.8	4.8	4.6	4.6	4.8	4.8	4.6	5.2	6.0	6.2	6.0	5.8	5.8	5.0	4.8
11	4.8	5.2	6.0	6.2	6.4	6.6	6.4	7.0	7.0	7.0	7.4	7.0	7.2	7.6	7.4
12	6.0	5.6	5.4	5.2	5.2	5.2	5.0	5.0	5.6	5.8	6.4	6.0	5.8	5.2	6.0
13	5.8	5.6	6.0	5.4	5.0	4.8	4.8	5.4	5.8	6.0	6.2	5.4	5.6	5.6	5.2
14	7.6	7.0	6.8	6.6	6.8	6.0	6.6	6.7	7.2	7.0	7.4	8.0	8.5	9.0	8.0
15	6.8	6.6	6.8	7.0	7.0	6.8	6.8	7.4	7.8	8.5	8.5	7.8	7.6	7.2	7.2
16	6.2	6.2	5.8	5.4	5.0	4.8	4.6	5.0	5.4	5.6	5.6	5.2	5.2	5.0	4.2
17	4.8	4.6	4.6	4.8	4.8	4.6	4.6	5.8	6.2	6.2	5.4	5.2	4.8	4.7	4.6
18	3.4	3.2	3.2	3.0	3.2	3.0	3.0	3.2	3.6	4.0	3.8	5.0	4.8	5.2	5.4
19	6.0	6.0	6.0	5.8	5.6	5.6	5.8	5.7	6.0	6.6	6.8	7.0	6.6	6.6	6.8
20	6.4	6.4	6.4	6.2	5.8	6.0	6.0	5.7	5.8	6.0	6.6	6.2	6.6	6.4	6.4
21	6.4	6.4	6.0	6.0	6.2	6.4	6.4	6.6	7.6	7.4	7.0	7.0	6.8	7.2	6.6
22	6.4	6.4	6.2	6.0	6.0	5.6	5.8	7.0	7.0	7.2	7.4	7.6	7.2	6.6	6.4
23	6.2	6.4	7.0	6.4	6.8	6.8	7.0	7.4	7.8	8.0	8.0	7.4	6.2	6.1	6.2
24	7.8	7.8	7.8	8.5	8.5	8.5	8.5	9.0	9.0	9.0	9.0	9.5	9.5	8.5	9.5
25	10.5	11.0	11.0	10.5	11.0	10.5	10.0	10.0	11.0	12.0	12.0	13.0	13.0	14.1	13.5
26	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.8	13.0	13.5	14.0	13.5	14.5	15.0	15.0
27	14.5	15.5	15.5	15.5	13.5	13.0	13.0	12.5	13.0	12.5	13.5	13.0	11.5	12.0	11.0
28	8.0	7.8	7.2	6.4	6.2	6.2	6.2	6.9	7.4	8.0	9.5	8.5	9.0	9.7	9.5
29	8.0	8.0	8.0	8.5	8.5	8.0	8.0	7.8	7.6	8.0	7.8	6.0	6.4	6.6	6.6
30	5.6	5.6	5.4	5.4	5.2	5.4	5.2	6.4	6.8	7.8	7.2	7.4	7.0	7.4	9.0
31	9.0	8.5	8.0	7.0	7.0	7.0	7.0	7.2	7.2	7.4	7.6	7.4	8.5	9.6	9.5
Prom.	7.6	7.6	7.6	7.5	7.4	7.2	7.2	7.6	8.0	8.2	8.2	8.1	8.0	8.2	8.2

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

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
6,6	7,2	7,4	7,8	7,6	7,4	7,4	7,4	7,6	7,8	19	6,2	4,6	1,6	7,0
9,0	8,5	8,5	8,5	8,4	8,0	8,5	8,5	8,5	9,5	15	6,6	6,7	2,9	8,2
12,5	11,5	11,5	11,0	10,8	11,0	10,5	10,5	10,0	12,5	16	8,0	varios	4,5	10,0
13,0	13,5	13,5	13,0	12,5	12,5	12,5	12,5	12,5	13,5	varios	10,0	varios	3,5	12,0
11,5	11,5	11,0	11,0	11,0	10,5	10,0	10,0	9,0	12,5	varios	9,0	24	3,5	11,5
11,0	10,0	10,0	10,0	9,5	9,0	9,0	9,0	9,0	11,0	varios	8,0	3	3,0	9,4
9,5	9,5	10,0	9,5	9,9	10,0	10,5	11,5	11,0	11,5	23	9,0	varios	2,5	10,1
4,6	5,0	4,8	5,0	4,8	4,8	5,2	5,4	5,4	11,0	0	4,6	16	6,4	7,1
4,8	5,0	5,4	5,2	4,9	5,0	5,0	5,0	5,0	5,8	varios	4,8	14,16	1,0	5,3
4,6	4,4	4,6	4,8	4,9	4,6	4,4	4,6	4,6	6,2	10	4,4	17,22	1,8	4,8
7,4	7,2	7,6	7,2	7,3	7,2	6,8	6,8	6,4	7,6	14,18	4,6	0	3,0	6,8
5,8	6,6	7,2	7,0	6,4	6,0	6,0	6,0	5,6	7,2	18	5,0	7,8	2,2	5,8
5,8	6,0	6,6	7,2	7,4	7,2	7,6	7,8	7,2	7,8	23	4,8	6,7	3,0	6,0
7,8	8,0	7,4	7,2	7,4	7,2	6,8	6,8	7,0	9,0	14	6,0	6	3,0	7,3
6,4	8,0	8,0	7,8	5,8	6,0	6,4	6,4	6,4	8,5	10,11	5,8	20	2,7	7,1
4,8	4,6	5,2	5,2	5,4	5,0	4,6	4,6	4,6	6,4	0	4,2	15	2,2	5,1
4,0	4,2	4,2	3,8	3,8	3,6	3,4	3,2	3,4	6,2	9,10	3,2	23	3,0	4,6
6,6	6,4	6,8	6,4	6,2	6,2	6,0	6,0	6,0	6,8	18	3,0	varios	3,8	4,7
6,6	6,4	6,8	6,4	6,9	6,6	6,8	6,8	6,8	7,0	12	5,6	5,6	1,4	6,4
6,4	7,0	7,6	7,2	7,0	7,0	6,6	6,2	6,2	7,6	18	5,7	8	1,9	6,4
6,4	8,5	8,5	8,0	7,5	7,2	7,0	7,0	6,6	8,5	17,18	6,0	3,4	2,5	6,9
6,8	6,8	7,0	6,8	6,5	6,2	6,6	6,4	6,4	7,6	12	5,6	6	2,0	6,6
6,8	7,2	7,8	8,5	8,6	8,5	8,5	8,5	9,0	9,0	24	6,1	14	2,9	7,4
10,0	10,0	10,0	10,5	10,5	10,5	10,5	10,5	10,5	10,5	varios	7,8	varios	2,7	9,3
13,0	13,0	12,0	12,0	12,3	12,5	12,5	13,5	13,5	14,1	14	10,0	7,8	4,1	12,0
15,0	15,0	15,5	15,0	15,0	14,5	14,5	13,5	15,0	15,5	18	12,5	varios	3,0	13,8
10,0	10,0	9,5	9,5	9,2	9,0	9,0	8,0	8,0	15,5	varios	8,0	23,24	7,5	11,7
9,0	10,0	9,5	9,5	9,3	8,5	8,0	7,8	8,0	10,0	17	6,2	varios	3,8	8,2
7,4	7,8	7,2	7,2	7,0	6,6	6,4	6,0	5,6	8,5	4,5	5,6	24	2,9	7,3
9,5	9,0	9,0	9,0	9,6	9,5	9,0	9,0	8,5	9,6	20	5,2	5,7	4,4	7,4
10,0	9,5	10,0	10,0	10,0	10,0	10,0	10,0	9,5	10,0	varios	7,0	varios	3,0	8,6
8,1	8,3	8,4	8,3	8,2	8,0	7,9	7,9	7,8	9,5		6,4		3,1	7,9

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	C	1	NE	2	C	1	N	3	N	2	N	2	C	1	N	3	N	10	N	14	N	16	N	14	N	14	N	12	N	12
2	NE	6	NE	4	NE	4	C	0	C	0	C	0	C	1	C	1	NE	3	C	0	C	1	C	0	C	0	C	1	E	6
3	C	0	C	1	C	0	C	0	C	0	C	1	C	0	C	1	S	3	S	3	SE	3	SE	7	SE	4	SE	4	SE	4
4	S	2	S	2	S	2	S	2	S	2	S	2	S	2	S	2	SE	2	SE	2	E	3	E	2	E	4	E	5	E	10
5	C	0	C	0	C	1	C	0	C	0	C	1	C	0	S	2	S	2	S	3	S	3	S	2	S	2	S	2	S	2
6	C	0	C	0	C	0	C	0	C	0	C	0	C	1	C	0	C	0	C	0	C	1	C	0	C	0	C	1	E	2
7	C	1	C	0	C	1	C	0	C	0	C	1	C	0	N	4	N	12	N	10	N	12	N	11	N	13	N	9	N	14
8	SW	15	SW	8	S	6	W	4	NW	2	W	4	W	5	W	6	W	9	W	9	W	12	W	12	W	15	W	14	W	17
9	W	11	W	13	W	15	W	16	W	12	W	9	W	11	W	10	W	15	W	15	W	14	W	16	W	15	W	14	W	16
10	W	7	NW	9	NW	12	NW	13	NW	14	NW	13	NW	11	NW	13	NW	19	W	22	W	28	W	28	W	28	W	25	W	23
11	NW	10	NW	12	NW	10	NW	10	NW	9	NW	10	NW	10	NW	10	NW	17	NW	15	NW	23	NW	25	NW	25	NW	18	NW	19
12	W	5	W	4	W	6	W	5	W	7	W	8	W	5	W	5	W	7	W	7	W	10	W	11	W	14	W	11	W	10
13	SW	6	SW	6	SW	2	C	0	C	0	NW	2	W	5	NW	2	NW	7	NW	9	NW	14	W	16	W	18	W	15	W	18
14	NW	18	NW	18	NW	24	NW	22	NW	20	NW	18	NW	16	NW	24	NW	22	NW	20	NW	25	NW	31	NW	28	NW	27	NW	27
15	N	19	N	20	N	19	N	19	N	14	N	14	N	16	N	13	NW	21	NW	19	W	17	W	11	S	10	S	9	S	7
16	SW	5	SW	6	SW	6	SW	5	W	5	W	5	W	4	W	5	W	6	SW	5	W	7	W	8	W	10	W	11	W	11
17	NW	6	NW	8	W	7	W	5	W	5	W	4	W	5	W	6	W	11	SW	10	SW	13	SW	15	SW	15	SW	14	W	12
18	W	7	W	6	W	5	W	7	W	4	W	6	W	8	NW	7	NW	10	NW	13	NW	18	NW	22	NW	18	NW	20	W	21
19	NW	5	NW	4	NW	8	NW	8	NW	7	NW	7	NW	7	NW	8	NW	8	NW	10	NW	13	NW	17	NW	18	NW	24	NW	21
20	NW	12	NW	10	W	6	NW	13	NW	12	NW	14	NW	9	NW	8	NW	11	W	9	W	10	W	9	NW	15	NW	15	NW	15
21	SW	9	SW	12	SW	10	SW	5	SW	6	SW	4	SW	7	S	8	S	6	S	8	S	6	S	7	SE	5	C	1	SW	2
22	N	9	N	10	N	7	N	9	N	6	N	5	N	7	N	7	N	13	N	16	N	19	N	21	N	22	N	19	N	19
23	N	10	N	14	N	12	N	9	N	9	N	10	N	11	N	14	N	14	N	17	N	14	N	19	N	18	NW	21	NW	17
24	NE	10	N	13	N	14	N	16	N	11	N	11	NE	12	NE	15	N	21	N	20	N	16	N	17	N	17	N	17	N	19
25	NE	12	NE	10	NE	11	NE	15	NE	12	NE	11	NE	10	NE	13	NE	8	NE	9	NE	10	NE	12	NE	10	E	9	E	11
26	E	9	NE	10	NE	10	NE	12	NE	9	NE	5	NE	5	NE	10	NE	12	N	19	N	20	N	18	N	15	N	15	NE	14
27	NE	15	NE	24	NE	9	N	27	W	27	SW	7	E	9	W	5	NW	12	NW	14	W	17	W	18	W	14	W	12	W	15
28	W	6	W	6	NW	3	N	6	N	8	NW	6	W	4	C	0	W	3	NW	5	NW	5	W	3	W	8	W	7	W	3
29	C	1	S	3	C	1	S	3	E	2	C	1	SW	2	C	0	S	4	S	4	S	5	S	4	S	4	S	3	SW	2
30	C	0	C	0	C	0	NW	2	C	1	C	1	W	4	W	3	C	1	C	0	C	1	N	3	N	3	NE	2	E	5
31	E	5	NE	4	C	1	E	3	NE	4	NE	4	NE	10	NE	15	NE	15	NE	9	NE	9	NE	9	NE	8	E	7	E	8
DIR. PREV.	C		NE NW		C		N		C		NW C		W		W NW		NW		NW		W		W		W		W		W	
Nº de HORAS	7		6		8		7		7		7		9		7		9		8		8		10		8		8		10	
PROM. HOR. DE LA VELOC		7		8		7		8		7		6		6		7		10		10		12		12		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
N	10	NE	8	N	2	C	1	NE	2	NE	4	NE	8	NE	8	NE	6	N	13	6	27	N	10.45
E	3	E	2	C	1	C	1	C	0	C	1	C	0	C	0	C	0	C	17	1	8	E	14.24
SE	3	SE	2	S	2	S	2	S	3	S	4	S	3	S	4	S	2	S	9	2	16	SE	11.47
E	8	C	1	C	0	C	0	C	0	C	1	C	0	C	1	C	0	C S	8	2	22	E	15.12
S	2	C	0	C	0	C	0	C	0	C	0	C	0	C	1	C	0	C	15	1	10	S	14.17
C	0	C	1	C	1	C	0	C	0	C	0	C	1	C	1	C	0	C	23	0.4	4	E	14.45
N	10	N	9	N	7	NE	8	NE	5	NE	4	C	1	E	2	W	6	N	11	6	23	W	23.52
W	19	W	12	W	9	W	11	W	10	W	12	W	12	W	12	W	10	W	20	10	31	W	14.39
W	13	W	8	W	7	NW	8	NW	8	NW	9	NW	9	W	9	W	9	W	20	12	25	W	14.00
W	20	W	13	W	11	W	13	W	11	W	10	W	10	NW	10	NW	11	W	14	16	42	W	12.16
NW	15	W	9	W	7	W	6	W	8	W	7	W	8	W	7	W	5	NW	16	12	42	NW	14.52
W	9	W	5	W	3	W	3	NW	4	NW	6	W	6	W	7	W	4	W	22	7	26	W	12.14
W	14	W	8	NW	8	NW	8	NW	11	NW	10	NW	12	NW	17	NW	18	NW	12	9	24	W	14.43
NW	25	N	15	N	16	N	16	N	11	N	9	N	11	N	11	N	17	NW	16	20	40	NW	11.46
S	4	C	1	C	1	C	1	S	7	S	6	S	5	S	4	S	4	S	9	11	26	W	3.20
W	8	W	3	W	4	NW	4	NW	5	NW	5	NW	7	NW	7	NW	6	W	13	6	18	W	11.47
W	11	W	7	W	6	W	6	W	5	W	6	W	5	W	5	W	5	W	17	8	22	W	11.36
W	15	W	7	W	4	W	4	W	3	W	4	W	3	W	6	W	5	W	17	9	31	W	14.42
NW	19	NW	11	NW	7	NW	8	NW	16	NW	13	NW	15	NW	16	NW	13	NW	24	12	37	NW	15.32
NW	14	NW	9	NW	10	NW	10	NW	8	W	4	W	4	W	5	SW	6	NW	16	10	36	NW	13.42
C	1	NE	3	C	0	NE	2	N	4	N	4	N	2	N	4	N	4	SW	8	5	20	S	9.08 9.36
N	16	N	9	N	9	N	8	N	10	N	9	N	8	N	13	N	10	N	24	12	39	N	12.12
NE	11	NE	6	E	3	E	5	E	7	E	8	E	8	E	2	NE	9	N	13	11	36	NW	13.57
NE	13	NE	8	NE	4	E	6	E	8	E	6	NE	7	NE	10	NE	7	N	12	12	34	N	14.16
E	11	E	7	E	12	E	10	E	14	E	10	NE	11	NE	14	E	9	NE	15	11	30	NE	22.44
NE	9	E	7	NE	11	NE	11	NE	10	NE	14	NE	14	NE	13	NE	15	NE	17	12	36	N	9.52
W	13	W	8	W	11	W	11	W	9	W	5	C	1	W	7	W	7	W	15	12	120	N	3.16
SW	7	SW	3	C	0	C	0	C	1	C	1	C	0	E	2	E	3	W	8	4	12	W	13.28
SW	2	C	0	C	0	C	1	W	2	W	2	SW	3	C	1	C	1	C	9	2	12	S	10.18
E	8	E	5	E	5	E	8	E	7	E	6	E	6	E	8	E	9	E	10	4	12	E	22.42
E	9	E	9	E	10	E	8	E	9	E	9	E	7	E	6	E	6	E	13	8	27	NE	7.19 7.21
W		W		W		C		W		W		W C		W		W		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		96 Km.		
9		10		9		8		7		8		7		8		8					DIREC.	DIA	HORA
	10		6		6		6		6		6		6		7		7	W	175	8	W	27	de 4.25 a 4.30

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	13	114	7	38													4	156
2			4	17	3	11											17	35
3							7	27	9	26							8	56
4					6	32	2	4	8	16							8	55
5									9	20							15	23
6					1	2											23	9
7	11	111	3	17	1	2							1	6			8	140
8									1	6	2	23	20	214	1	2		245
9													20	248	4	34		282
10													14	249	10	125		374
11													8	57	16	238		295
12													22	152	2	10		162
13											3	14	7	94	12	118	2	226
14	8	106													16	365		471
15	8	134							9	56			2	28	2	40	3	261
16											5	27	13	87	6	34		148
17											5	67	17	111	2	14		192
18													17	115	7	108		223
19															24	283		283
20											1	6	7	34	16	198		238
21	5	18	2	5			1	5	5	35	8	55					3	120
22	24	281																281
23	13	171	3	26	6	33									2	38		268
24	12	192	9	86	3	20												298
25			15	168	9	93												261
26	5	87	17	184	2	16												287
27	1	27	3	48	1	9					1	7	15	179	2	26	1	297
28	2	14			2	5					2	10	8	40	4	19	6	90
29					1	2			8	30	4	9	2	4			9	51
30	2	6	1	2	10	67							2	7	1	2	8	88
31			10	87	13	96											1	184
SUMAS	104	1261	74	678	58	386	10	36	49	189	31	218	175	1625	127	1654	116	6099
% PREVAL POR VELOCIDAD	20.7		11.1		6.4		0.6		3.1		3.6		26.6		27.1		0.8	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	12		9		7		4		4		7		9		13		0.4	197

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	3	4	2		1	4	5	5	7
1 - 2	4	6			2	4	4	6	5
2 - 3	4	4			2	3	5	5	8
3 - 4	7	2	1		2	2	5	6	6
4 - 5	6	3	1		1	1	6	6	7
5 - 6	5	3			1	2	6	7	7
6 - 7	3	4	1		1	2	9	5	6
7 - 8	5	4			3		7	7	5
8 - 9	5	4		1	4		6	9	2
9 - 10	6	2		1	4	2	5	8	3
10 - 11	6	2	1	1	3	1	8	6	3
11 - 12	7	2	1	1	3	1	10	4	2
12 - 13	7	2	1	2	3	1	8	5	2
13 - 14	5	1	3	1	3	1	8	6	3
14 - 15	4	1	6	1	2	2	10	5	
15 - 16	3	3	5	1	2	2	9	4	2
16 - 17	3	4	5	1		1	10	2	5
17 - 18	4	2	4		1		9	3	8
18 - 19	2	3	5		1		7	5	8
19 - 20	3	3	5		2		7	6	5
20 - 21	3	3	5		2		8	5	5
21 - 22	3	4	3		2	1	7	4	7
22 - 23	3	4	5		2		8	4	5
23 - 24	3	4	4		2	1	8	4	5
SUMAS	104	74	58	10	49	31	175	127	116
% de frec. por dirección	14.0	9.9	7.8	1.3	6.6	4.2	23.5	17.1	15.6

NUBES. VISIBILIDAD

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

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
1	9	29.1	14.6	1.18	0	5	5	
	10	33.7	17.7	1.30	0	5	5	
	12	36.2	20.4	1.28	0	5	5	
	14	36.2	21.0	1.24	0	5	5	
	15	34.8	20.6	1.15	0	5	5	
2	9	31.1	16.3	1.20	3	4	5	
	10	34.7	19.6	1.23	5	4	5	
	12	31.3	20.2	0.90	7	4	5	
	14	32.4	21.3	0.90	7	4	4	B.
	15	30.2	20.2	0.81	8	4	4	B.
3	9	16.1	12.8	0.27	8	0	4	
	10	18.7	14.5	0.34	8	0	4	
	12	32.1	20.4	0.95	8	3	4	
	14	30.6	21.3	0.76	8	2	5	
	15	26.1	19.9	0.50	8	3	5	
4	9	21.7	16.7	0.41	8	1	3	Ne.
	10	20.0	17.4	0.21	8	1	3	Ne.
	12	24.3	19.4	0.40	8	1	2	Ne.
	14	33.2	22.6	0.86	8	1	3	Ne.
	15				8	0	3	Ne., Am.
5	9	19.7	16.7	0.24	8	0	4	
	10	21.9	17.7	0.34	8	0	4	
	12	38.2	23.6	1.19	6	3	5	
	14	23.5	19.6	0.32	7	1	5	
	15	36.1	23.2	1.05	6	3	5	
6	9	17.7	12.8	0.40	8	0	1	N.
	10	33.6	18.2	0.25	6	3	3	N.
	12	37.7	22.7	1.22	4	3	3	Ne.
	14	37.5	23.2	1.16	7	3	3	Ne.
	15	26.2	19.1	0.58	5	3	3	Ne.
7	9	22.4	16.0	0.52	7	2	5	
	10	20.4	17.6	0.23	8	1	5	
	12	37.1	23.1	1.14	4	4	5	
	14	36.8	23.8	1.06	5	3	5	
	15	22.9	19.7	0.26	8	0	5	
8	9	32.1	16.9	1.24	1	5	5	
	10	35.3	18.6	1.36	0	5	5	
	12	38.0	21.1	1.37	0	5	5	
	14	36.0	20.5	1.26	0	5	5	
	15	33.5	19.0	1.18	0	5	5	
9	9	27.2	11.7	1.26	0	5	5	
	10	30.5	13.8	1.36	0	5	5	
	12	34.0	17.5	1.34	0	5	5	
	14	32.5	17.8	1.20	0	5	5	
	15	30.9	16.3	1.19	0	5	5	
10	9	24.4	10.8	1.10	6	3	5	
	10	30.3	15.4	1.21	6	3	5	
	12	35.2	19.1	1.31	0	5	5	
	14	32.7	19.4	1.08	2	5	5	
	15	32.6	18.7	1.13	1	5	5	
11	9	14.0	10.5	0.28	8	1	5	
	10	26.8	15.6	0.91	8	4	5	
	12	36.1	21.7	1.17	8	4	5	
	14	19.8	16.2	0.29	8	0	5	
	15	20.7	16.6	0.33	7	2	5	
12	9	28.0	13.0	1.22	0	5	5	
	10	33.2	16.6	1.35	0	5	5	
	12	38.2	21.8	1.33	0	5	5	
	14	38.0	22.4	1.27	0	5	5	
	15	35.2	21.2	1.14	0	5	5	
13	9	28.8	14.3	1.18	4	4	4	
	10	33.0	17.6	1.25	6	4	5	
	12	37.7	21.7	1.30	2	5	5	
	14	37.4	22.4	1.22	0	5	5	
	15	35.2	21.7	1.10	0	5	5	
14	9	28.9	15.0	1.13	3	4	4	
	10	34.5	19.5	1.22	7	4	4	
	12	38.3	23.7	1.19	5	4	5	
	14	38.6	24.4	1.15	6	4	4	B.
	15	35.7	23.2	1.02	8	4	4	B.
15	9	29.2	16.1	1.06	2	4	5	
	10	34.3	19.5	1.20	2	4	5	
	12	34.6	20.6	1.14	8	4	3	Ne.
	14	36.8	22.4	1.17	8	4	4	B.
	15	30.6	20.2	0.84	8	4	4	B.
16	9	26.1	11.1	1.22	0	5	5	
	10	31.1	14.7	1.33	0	5	5	
	12	36.2	19.4	1.36	0	5	5	
	14	35.2	19.6	1.27	0	5	5	
	15	32.4	18.2	1.15	0	5	5	
17	9	23.0	10.5	1.02	8	4	5	
	10	17.3	9.7	0.62	8	1	5	
	12	28.7	14.6	1.15	8	2	5	
	14	20.9	12.0	0.72	8	2	5	
	15	17.4	11.0	0.52	8	2	5	
18	9	21.6	7.6	1.14	0	5	5	
	10	29.3	13.1	1.32	4	5	5	
	12	33.9	18.1	1.28	6	3	5	
	14	29.6	17.0	1.02	6	3	5	
	15	30.4	17.1	1.08	5	3	5	
19	9	28.3	13.4	1.21	0	5	5	
	10	32.6	17.1	1.26	0	5	5	
	12	37.8	22.2	1.27	0	5	5	
	14	36.8	22.4	1.17	3	5	5	
	15	35.2	21.8	1.09	3	5	5	
20	9	26.3	12.3	1.14	4	5	4	
	10	32.9	17.2	1.28	2	5	4	
	12	37.9	22.4	1.26	0	5	5	
	14	37.5	23.4	1.15	0	5	5	
	15	35.6	22.7	1.05	0	5	4	
21	9	27.8	13.9	1.13	0	5	5	
	10	32.9	16.9	1.30	0	5	5	
	12	36.2	19.6	1.35	1	5	5	
	14	36.0	20.1	1.29	2	5	5	
	15	34.3	19.7	1.19	8	4	4	
22	9	28.0	13.8	1.15	0	5	5	
	10	32.7	17.2	1.26	0	5	5	
	12	37.7	22.2	1.26	0	5	5	
	14	36.9	22.3	1.19	3	4	4	B.
	15	33.4	20.9	1.02	3	4	4	B.
23	9	26.5	14.5	0.98	8	4	5	
	10	25.5	16.0	0.77	8	4	5	Ds.
	12	38.0	23.0	1.22	8	4	5	
	14	35.5	22.9	1.02	8	4	5	
	15	33.0	22.0	0.88	5	5	5	
24	9	26.3	16.6	0.79	6	3	5	
	10	31.7	19.6	0.98	7	2	5	
	12	34.4	22.8	0.94	6	3	5	
	14	34.1	23.9	0.83	7	3	5	
	15	36.1	24.2	0.97	6	4	5	
25	9	29.0	19.0	0.81	6	3	4	
	10	22.5	18.2	0.35	8	0	4	
	12	39.5	24.9	1.19	7	4	4	
	14	40.8	26.0	1.20	8	4	4	
	15	30.5	23.4	0.58	8	4	4	
26	9	29.6	21.2	0.68	7	3	5	
	10	35.1	23.7	0.93	6	3	5	
	12	31.0	24.1	0.56	7	2	5	
	14	30.4	24.6	0.47	5	3	5	
	15	29.4	24.8	0.37	7	2	5	
27	9				7	0	5	Am.
	10	21.6	17.7	0.32	7	0	5	
	12	17.2	16.4	0.06	8	0	5	
	14	37.2	22.5	1.20	3	5	5	
	15	17.1	15.9	0.10	8	0	5	
28	9	16.6	10.1	0.53	8	1	0	N.
	10	21.1	12.2	0.72	8	1	1	N.
	12	35.2	19.2	1.30	4	3	3	Ne.
	14	29.3	19.0	0.84	7	3	5	
	15	24.5	16.2	0.67	7	3	5	
29	9	29.9	15.9	1.14	0	5	5	
	10	34.6	19.2	1.25	1	5	5	
	12	38.9	22.3	1.35	2	5	5	
	14	37.3	22.0	1.24	5	4	5	
	15	29.6	18.7	0.89	3	4	5	
30	9	26.5	13.5	1.06	3	5	3	Ne.
	10	31.5	15.5	1.30	3	5	3	Ne.
	12	32.6	19.4	1.07	8	4	3	Ne., Ds.
	14	35.8	21.0	1.20	3	5	4	B.
	15	28.2	18.4	0.80	2	5	4	B.
31	9	31.8	16.7	1.23	6	4	5	
	10	24.6	15.6	0.73	5	3	5	
	12	36.2	21.2	1.22	6	4	5	
	14	36.4	21.8	1.19	5	4	5	
	15	31.4	19.9	0.93	6	4	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	1.0	1.0	1.0			9.4	10.6	89
2				1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6				7.6	10.6	72
3						0.2	0.7	0.7	0.1		0.3				2.0	10.5	19
4															0.0	10.5	00
5							0.5	0.6	0.5	1.0	0.4				3.0	10.5	29
6					0.5	1.0	1.0	1.0	1.0	0.9	0.9	0.2			6.5	10.4	62
7				0.6		0.1	0.8	1.0	1.0	0.6					4.1	10.4	39
8				0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			8.6	10.4	83
9			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.4	10.4	90
10			0.4	0.7	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.0	10.3	87
11					0.2	1.0	1.0	0.2			0.5	0.8			3.7	10.3	36
12			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.4	10.3	91
13			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.4	10.3	91
14			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9			9.4	10.2	92
15			0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.5	1.0	0.4			8.4	10.2	82
16			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.5	10.2	93
17			0.5	1.0	0.3	0.3	1.0	1.0	0.6	0.1	0.2	0.3			5.3	10.2	52
18			0.4	1.0	1.0	1.0	1.0	0.2	0.9	1.0	1.0	0.2			7.7	10.1	76
19			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6			9.0	10.1	89
20				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			8.5	10.1	84
21			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			9.0	10.1	89
22			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			9.0	10.0	90
23				0.5	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.5			7.9	10.0	79
24			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			8.9	10.0	89
25			0.5	0.7	0.4	0.5	0.8	0.8	0.8	1.0	0.8	0.2			6.5	10.0	65
26				0.9	0.5	0.6	0.9	0.9	0.7	1.0					5.5	10.0	55
27						0.5			0.7	0.1					1.3	9.9	13
28						0.6	0.6	0.5	0.4	0.7	0.7	0.2			3.7	9.9	37
29			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8			9.3	9.9	94
30			0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.5			8.8	9.9	89
31			0.2	1.0	0.6	1.0	1.0	1.0	1.0	1.0	0.7	0.1			7.6	9.9	77
Medias			0.3	0.7	0.7	0.8	0.9	0.8	0.8	0.8	0.7	0.5			7.0	10.2	69

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	12.3	15.8	14.2	13.1	14.7	14.7	12.8	13.8	13.2	14.3	14.2	14.3	-	-	-
2	12.6	16.3	14.8	13.3	15.2	15.2	12.7	13.1	13.6	14.3	14.3	14.4	-	-	-
3	13.4	16.3	16.0	14.0	15.4	15.8	13.0	13.0	13.8	14.0	14.0	14.4	-	-	-
4	15.5	17.2	16.8	14.3	16.3	16.4	13.7	15.3	14.5	14.7	14.9	15.0	-	-	-
5	16.2	18.0	17.4	16.2	17.1	17.0	14.2	14.6	15.0	15.0	15.2	15.3	-	-	-
6	15.3	18.1	16.6	15.6	16.9	16.7	14.4	14.7	14.8	15.3	15.2	15.4	-	-	-
7	15.4	17.5	17.2	15.5	16.6	16.6	14.0	14.2	14.6	15.2	15.2	15.3	-	-	-
8	15.6	17.3	15.4	15.6	16.6	15.8	14.0	14.4	14.6	15.1	15.1	15.2	-	-	-
9	12.2	14.7	13.2	13.3	14.5	14.0	12.8	12.6	13.1	14.2	14.0	14.2	-	-	-
10	11.0	14.2	12.6	11.9	13.3	13.2	11.7	11.6	12.0	13.5	13.2	13.2	-	-	-
11	11.2	14.0	12.8	11.8	13.3	13.2	11.2	11.3	11.8	12.4	12.4	12.6	-	-	-
12	10.4	13.9	12.8	11.3	13.1	13.0	11.0	11.2	11.6	12.5	12.2	12.4	-	-	-
13	10.2	14.0	13.2	15.1	12.8	13.1	10.8	11.0	11.4	12.0	11.8	12.1	-	-	-
14	11.8	14.8	13.8	12.0	13.4	13.6	11.4	11.4	11.8	12.3	12.2	12.4	-	-	-
15	12.2	14.9	13.7	12.3	13.8	13.7	11.6	11.6	12.2	12.5	12.3	12.5	-	-	-
16	10.8	13.7	12.4	11.7	13.0	12.7	11.2	11.2	11.6	12.1	12.3	12.5	-	-	-
17	9.8	12.0	10.8	10.8	11.9	11.4	10.4	10.3	10.4	11.8	11.4	11.4	-	-	-
18	8.0	11.4	10.8	9.2	10.8	11.1	9.4	9.2	9.7	10.9	10.6	10.8	-	-	-
19	9.5	13.0	12.2	10.0	11.8	12.0	9.2	9.6	10.2	10.4	10.2	10.8	-	-	-
20	10.4	13.7	12.6	10.9	12.4	12.5	10.2	10.4	10.6	10.8	11.2	11.2	-	-	-
21	11.0	13.4	12.3	11.3	12.5	12.6	10.4	10.4	10.8	11.0	11.0	11.4	-	-	-
22	10.2	13.7	12.2	10.8	12.3	12.3	11.0	10.3	10.5	11.0	11.2	11.2	-	-	-
23	10.6	13.6	12.6	11.1	12.3	12.6	10.0	10.1	10.8	11.0	10.9	11.3	-	-	-
24	11.9	14.9	14.6	11.9	13.9	13.7	10.5	11.0	11.4	11.6	11.6	11.7	-	-	-
25	13.6	16.2	16.6	13.4	14.6	14.9	11.7	12.0	12.4	12.1	12.1	12.4	-	-	-
26	15.4	17.9	17.4	14.9	16.1	16.4	12.7	13.2	12.7	12.6	13.2	13.4	-	-	-
27	17.6	17.6	16.4	16.8	16.8	16.2	14.4	14.4	14.2	14.4	14.4	14.2	-	-	-
28	12.4	15.4	14.6	12.8	14.7	14.7	12.9	13.6	13.0	13.9	13.7	13.4	-	-	-
29	13.2	15.3	13.6	13.4	14.5	14.2	12.5	12.4	12.7	13.3	13.4	13.2	-	-	-
30	11.2	14.0	13.4	11.9	13.1	13.2	11.4	11.2	11.5	12.6	12.2	12.4	-	-	-
31	12.1	14.2	13.5	11.2	13.3	11.7	12.2	11.5	11.8	12.3	12.3	12.3	-	-	-
Prom.	12.4	15.1	14.1	12.8	14.1	14.0	11.9	12.1	12.3	12.9	12.8	13.0	-	-	-

LLUVIA, ESTADO DEL SUELO, ETC...

DÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en %						Preatímetro
	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	0.2	1.3	0.9	2.8							11167
2					0	0.6	0.9	0.7	1.8	E.10	18.2	13.7	16.3			11168
3					0	0.2	0.3	0.5	1.2							11169
4	0.0	0.3	0.0	0.0	0	0.4	0.3	0.2	0.6							11169
5					0	0.1	0.5	0.4	1.0							11169
6					0	0.1	0.5	0.6	1.1							11170
7	12.0	12.0	11.7	11.5	0	0.0	0.8	1.0	2.1	E.11	18.6	18.6	20.5			11169
8					2	0.3	0.9	1.1	2.7							11168
9					2	0.7	0.8	0.8	2.2							11174
10					1	0.6	1.5	1.3	3.7							11175
11					0	0.9	1.2	0.7	2.2							11173
12					0	0.3	1.1	1.0	2.5	E.12	20.1	20.1	22.5	16.9	15.1	11177
13					0	0.4	1.4	1.3	3.7							11179
14					0	1.0	1.7	2.2	5.0							11179
15					0	1.1	1.2	0.8	2.4							11179
16					0	0.4	1.2	0.7	2.3							11185
17					0	0.4	0.3	1.2	1.9	E.13	18.5	18.2	20.0			11188
18					0	0.4	1.4	0.7	2.5							11195
19					0	0.4	1.5	1.5	4.0							11198
20					0	1.0	0.7	1.4	2.9							11199
21					0	0.8	0.8	0.6	1.5							11105
22					0	0.1	1.4	1.2	3.4	E.14	17.9	16.7	17.5			11107
23					0	0.8	1.6	1.3	3.7							11109
24	0.0	0.3	0.0	0.0	0	0.8	1.4	1.2	3.5							11109
25	0.0	0.3	0.0	0.0	0	0.9	1.0	1.6	3.8							11109
26	76.6	83.5	74.5	64.0	0	1.2	1.2	0.7	2.0							11211
27					2	0.1	0.3	0.4	0.8							11322
28					2	0.1	0.4	0.3	0.9							11058
29					2	0.2	1.2	0.8	2.5	E.15	19.0	19.1	22.9			11100
30					2	0.5	0.3	0.7	1.4							11123
31					1	0.4	1.1	0.6	2.2							11124
Prom.	88.6	96.4	86.2	75.5	-	0.5	1.0	0.9	2.4	-	-	-	-	-	-	11162

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		
-	-	-	19.8	19.7	19.7	21.0	-	1.2	Ca. m. t. y n., r. m.
-	-	-	19.5	19.5	19.4	20.8	-	2.7	Ca. m. y n., Cn. t., r. m., B. t. y n.
-	-	-	19.3	19.3	19.3	20.9	-	4.1	Cn. m. y t., Ca. n., Ne. m. y n.
-	-	-	19.2	19.2	19.1	20.9	-	11.2	Cn. m. t. y n., Ne. m. y t., LL. m.
-	-	-	19.1	19.1	19.1	20.7	-	13.0	Cn. m. y t., Ca. n., Z. m., Ne. n.
-	-	-	19.0	19.0	19.0	20.7	-	6.2	Cn. m. t. y n., Ne. m., N. Ne. m. y t.
-	-	-	18.9	18.9	18.9	20.7	-	7.6	Cn. m. t. y n., LL. n.
-	-	-	18.8	18.7	18.6	20.6	-	14.0	Cn. m., Ca. t. y n., LL. Ru. m.
-	-	-	18.5	18.5	18.4	20.6	-	- 0.1	Ca. m. t. y n., r. m. y n.
-	-	-	18.4	18.6	18.5	20.5	-	- 1.8	Cn. m., Ca. t. y n., r. m.
-	-	-	18.3	18.4	18.2	20.5	-	- 0.4	Cn. m. y t., Ca. n., r. m. y n.
-	-	-	18.1	18.0	18.0	20.5	-	- 2.0	Ca. m. t. y n., h. m.
-	-	-	17.8	17.8	17.7	20.5	-	- 2.3	Ca. m. t. y n., h. m.
-	-	-	17.5	17.7	17.6	20.3	-	4.5	Ca. m. y n., Cn. t., Ne. m., B. t.
-	-	-	17.4	17.4	17.4	20.4	-	3.3	Cn. m. t. y n., Ne. B. t., Dl. n.
-	-	-	17.2	17.3	17.3	20.2	-	- 3.1	Ca. m. t. y n., r. m., Ne. n.
-	-	-	17.0	17.0	16.9	20.1	-	- 3.1	Cn. m. y t., Ca. n., h. m., r. n.
-	-	-	16.5	16.7	16.7	19.9	-	- 6.4	Ca. m., Cn. t. y n., h. m.
-	-	-	16.5	16.6	16.7	19.9	-	- 1.0	Ca. m. y t., Cn. n., r. m.
-	-	-	16.4	16.4	16.5	19.7	-	1.1	Cn. m. y n., Ca. t., r. m.
-	-	-	16.4	16.4	16.4	19.6	-	1.1	Ca. m. t. y n., r. m., Ne. t., N. Jl. n.
-	-	-	16.1	16.2	16.1	19.6	-	- 1.4	Ca. m. t. y n., N. m., B. t.
-	-	-	16.0	16.0	15.9	19.6	-	1.6	Cn. m. y t., Ca. n., Ne. t. y n.
-	-	-	16.0	16.1	16.0	19.4	-	4.5	Cn. m. y t., Ca. n., r. m.
-	-	-	16.0	16.0	16.1	19.3	-	10.1	Ca. m., Cn. t. y n., CH. m., Ne. n.
-	-	-	16.3	16.1	16.2	19.3	-	13.4	Cn. m. t. y n., CH. m., R. LL. n.
-	-	-	16.1	16.2	16.2	19.4	-	15.1	Cn. m. y n., Ca. t., Ru. LL. G. m.
-	-	-	16.2	16.3	16.4	18.8	-	2.3	Cn. m. t. y n., N. m., Ne. t., r. n.
-	-	-	16.3	16.4	16.4	18.8	-	4.8	Cn. m. y t., Ca. n., Ne. m.
-	-	-	16.4	16.4	16.4	18.8	-	0.6	Ca. m. y n., Cn. t, Ne. m. y t, B. t, Ds. t.
-	-	-	16.3	16.3	16.4	18.7	-	3.5	Ca. n., Cn. m. y t., r. m., Ne. n.
-	-	-	17.5	17.5	17.5	20.0	-	3.4	

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	59.8	66.3	3	10	54.3	7	23-24	12.0	18.0	7.2	20.4	7	13-14	0.6	10	7	6.0	10.5	57
2ª	57.6	62.6	13	8	51.5	15	4	9.4	17.1	2.8	20.3	14	14	-3.1	18	5-6	8.0	10.2	79
3ª	59.9	66.7	30	10-11	50.4	27	7	13.1	19.3	7.5	24.1	26	14	2.6	30	7	7.0	10.0	71
MES	59.1	66.7	30	10-11	50.4	27	7	11.5	18.2	5.9	24.1	26	14	-3.1	18	5-6	7.0	10.2	69

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	83	100	varios	36	8	8.5	13.5	4.4	W	13	72	10	28	10	10-13	42	W	10	12.16	12.3	12.0	7	4.5	8	3-4
2ª	72	100	varios	33	13	6.0	9.0	3.0	NW	14	60	v.e	31	14	11-12	42	NW	11	14.52	-	-	-	-	-	-
3ª	81	100	varios	34	23	9.0	15.5	5.2	N	12	96	27	27	27	3-5	120	N	27	3.16	84.1	83.5	26	30.3	27	3-4
MES	79	100	varios	33	13	7.9	15.5	3.0	NW	13	96	27	31	14	11-12	120	N	27	3.16	96.4	83.5	26	30.3	27	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	4	1	4	1	1	-	-	2	1	-	-	-	-	-	1	1	-
2ª	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3ª	-	2	8	3	-	-	-	3	-	-	-	-	-	-	1	2	1
MES	4	5	15	4	1	-	-	5	1	-	-	-	-	-	2	3	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	-	-	-	-	-	-	-	-	-	-	2	3	-	-	-
2ª	5	2	-	-	-	-	1	-	1	-	-	3	1	1	-	-
3ª	4	-	-	-	-	1	-	-	1	-	-	3	1	-	-	-
MES	13	2	-	-	-	1	1	-	2	-	-	8	5	1	-	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. IX JUNIO 1954 Nº 6

RESUMEN MENSUAL

Durante el primer día del mes una corriente del N aporta aire tropical hasta la Prov. de Buenos Aires. La temperatura y la tensión del vapor alcanzan ya sus máximos mensuales en este día con 19.4°C y 15.5 mmHg respectivamente. En la zona frontal entre esta masa de aire y una más fría se forma una depresión en que la presión atmosférica baja al mínimo mensual de 747.3 mmHg el día 2, produciendo además elevada nubosidad y lluvias durante estos 2 días. Hasta el 6 predomina la advección de masas de aire frías que llegaron con su primer empuje al Observatorio en la tarde del día 2. La temperatura que se encuentra a principios del mes 6°C por encima de la normal, acusa 6°C por debajo de la misma 6 días después. El día 6 se registran también los mínimos mensuales de la temperatura (-0.3°C), tensión del vapor (4 mmHg) y humedad relativa (52%). Al mismo tiempo el centro de un anticiclón frío se desplaza sobre la región del Río de la Plata y la presión atmosférica alcanza en este día su extremo mensual con 768.2 mm Hg. Solo durante dos días sopla viento N aumentando en consecuencia la temperatura y humedad. Llueve ligeramente el 8 debido al nuevo pasaje de un débil frente frío. La década termina con tiempo inestable y temperaturas alrededor del término medio.

El grado de inestabilidad se acentúa durante la segunda década. En todo este lapso llueve durante 6 días registrándose sólo 12.6 horas de brillo solar. Al formarse un anticiclón estable sobre el mar al SE de la costa bonaerense, una corriente de masas de aire húmedas entra al continente en forma casi continua, con alta nubosidad, humedad y temperatura, produciendo al mismo tiempo lluvias de variada intensidad o llovizna. Esta sudestada típica y prolongada termina recién el día 19 por la formación de una intensa depresión sobre el NE del país que atraviesa rápidamente el Uruguay y se desplaza hacia el SE. Los vientos cambian al S, pero el aflujo de aire marítimo se mantiene hasta el fin de la década.

El tiempo mejora al principio de la última década. El anticiclón frío se desplaza al E y el viento cambia al sector N aumentando temperatura y humedad en forma pronunciada hasta que llega a Buenos Aires el aire tropical. El día 26 se anota el promedio diario más alto del mes de la temperatura (15.9°C) y de la tensión del vapor (12.9 mm Hg) y se desencadenan las lluvias más copiosas del mes (87.8 mm en 24 horas). Las lluvias continúan todavía el día siguiente en que se hace presente aire de origen polar, formándose una depresión sobre el Río de la Plata en una zona frontal. Durante los 3 últimos días del mes predomina una corriente del S; la temperatura y la tensión del vapor bajan de nuevo a su nivel mínimo mensual el día 29.

En los promedios mensuales se manifiestan claramente las características de la fuerte y larga sudestada. Todos los elementos en discusión marcan desviaciones positivas, destacándose la precipitación cuyo total fué 3 veces superior a la normal. La heliofanía fué inferior a aquella en un 20%.

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	62	48	41	34	-	21	-	28	28	69	69	28	28	28	28
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	69	83	41	34	48	28	48	69	110	193	138	166	110	76	83
4	104	110	138	159	159	110	83	104	124	166	239	252	186	159	159
5	152	131	131	145	138	145	159	172	193	220	172	159	145	-	-
6	124	124	110	104	104	110	117	138	233	294	193	166	152	117	110
7	124	83	90	90	104	138	124	131	145	138	117	97	104	110	131
8	69	55	69	69	76	76	97	138	152	83	69	83	104	138	152
9	83	41	48	83	159	233	152	193	252	200	172	166	166	159	124
10	117	138	152	193	159	131	152	186	233	272	272	246	172	159	138
11	131	117	124	117	131	138	166	220	252	193	166	172	186	193	131
12	110	110	110	159	152	162	193	207	186	186	131	117	159	179	138
13	110	97	110	97	104	97	159	145	284	233	213	∞	∞	- 90	166
14	90	69	76	69	55	-	34	152	-	-	-	-	-	-	-
15	76	62	124	110	110	90	28	-	-	-	-	55	76	291	272
16	166	138	41	34	90	117	207	291	339	414	345	322	322	304	310
17	124	55	55	90	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	402	402	304	259	259
19	90	97	97	90	104	117	117	152	159	138	152	166	152	131	117
20	41	28	21	28	34	34	28	48	90	90	138	138	145	83	83
21	69	48	83	110	104	97	83	172	233	131	104	104	90	104	104
22	69	62	62	62	83	90	193	213	193	186	124	97	97	83	97
23	200	291	252	233	131	152	166	117	179	278	233	138	124	138	145
24	110	104	104	110	117	117	138	207	233	193	145	145	131	124	138
25	97	90	97	97	131	131	131	166	213	220	200	48	138	265	246
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62
28	62	62	62	69	83	83	97	117	179	193	179	159	145	145	131
29	104	90	90	110	131	131	145	166	166	186	193	179	152	117	104
30	124	97	69	62	69	76	90	62	76	90	90	76	117	97	97
31															
Prom.	103.5	98.8	92.8	100.8	107.3	112.1	126.1	154.3	186.0	190.9	168.4	157.3	148.1	137.7	131.2

RESUMEN DEL ESTADO ELÉCTRICO DEL AIRE

DÍAS	CONDUCTIBILIDAD "λ" . 10^{-4}				IONES LIVIANOS					
					número "n" por cm^3				velocidad	
	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-	n^+	n^-	$n^+ + n^-$	n^+ / n^-	K^+	K^-
1	1.04	1.11	2.15	0.93	496	423	919	1.17	1.47	1.84
2	0.98	1.14	2.12	0.86	384	490	874	0.78	1.78	1.63
3	1.10	1.04	2.14	1.06	695	676	1371	1.03	1.11	1.07
4	0.53	0.42	0.95	1.26	311	170	481	1.83	1.19	1.73
5	0.55	0.47	1.02	1.17	323	238	561	1.36	1.19	1.98
6	0.67	0.69	1.36	0.97	326	232	558	1.40	1.44	2.05
7	0.80	0.71	1.51	1.12	464	453	917	1.02	1.20	1.09
8	0.57	0.72	1.29	0.74	387	391	778	0.99	1.03	1.29
9	0.73	0.73	1.46	1.00	329	187	516	1.76	1.56	2.73
10	0.50	0.45	0.95	1.11	275	178	453	1.54	1.27	1.77
11	0.58	0.56	1.14	1.03	406	374	780	1.08	1.00	1.05
12	0.51	0.52	1.03	0.98	335	268	603	1.25	1.06	1.35
13	0.74	0.80	1.54	0.92	265	153	418	1.73	1.95	3.67
14	0.74	0.65	1.39	1.14	351	163	514	2.15	1.47	2.79
15	0.54	0.61	1.15	0.89	196	153	349	1.28	1.93	2.79
16	0.56	0.68	1.24	0.82	214	173	387	1.24	1.83	2.75
17	0.60	0.66	1.26	0.91	246	392	638	0.63	1.70	1.18
18	0.55	0.63	1.18	0.87	374	350	724	1.07	1.03	1.26
19	-	-	-	-	694	771	1465	0.90	-	-
20	0.94	0.94	1.88	1.00	517	410	927	1.26	1.27	1.60
21	0.91	0.93	1.84	0.98	582	426	1008	1.37	1.09	1.52
22	0.79	0.78	1.57	1.01	522	470	992	1.11	1.06	1.16
23	0.54	0.55	1.09	0.98	308	214	622	1.44	1.23	1.80
24	0.77	0.68	1.45	1.13	497	384	881	1.29	1.08	1.24
25	0.63	0.65	1.28	0.97	329	286	615	1.15	1.33	1.59
26	0.43	0.72	1.15	0.60	247	450	697	0.55	1.22	1.12
27	1.05	1.28	2.33	0.82	602	666	1268	0.90	1.22	1.34
28	0.97	0.90	1.87	1.08	708	679	1387	1.04	0.96	0.93
29	0.65	0.57	1.22	1.14	457	322	779	1.42	1.00	1.23
30	0.81	1.30	2.11	0.62	574	528	1102	1.09	0.99	1.72
31										
Prom.	0.72	0.73	1.45	0.99	417	370	787	1.13	1.21	1.38

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplit.	Tipo de Curva
21	28	76	97	104	131	76	83	90		220	- 21	241	1 *
-	-	-	-	-	-	-	-	-		-	-	-	-
83	83	104	117	138	145	145	97	76	95.2	233	14	219	0
152	152	166	138	159	172	179	159	159	153.7	272	28	244	0
-	-	-	316	328	272	272	172	145		368	104	264	0 *
104	83	278	291	220	124	152	138	124	154.7	506	- 69	575	1
117	200	278	252	207	117	83	83	83	131.1	357	34	323	0
138	145	179	145	152	200	152	220	62	117.6	333	- 97	430	1
131	138	117	124	138	124	97	104	97	137.5	310	- 55	365	1
145	220	200	233	179	233	90	69	117	175.2	353	- 7	360	1
152	145	97	97	104	76	69	104	104	141.0	284	- 28	312	1
179	152	124	124	117	90	69	131	159	143.1	265	34	231	0
193	265	186	179	152	145	97	62	90		∞	-886	-	3 *
-	-	-	-	-	-	-	-	193		246	- 14	260	1 *
259	90	-	-	-	-	-	41	97		368	00	368	0 *
284	166	213	246	179	138	207	207	172	218.8	495	00	495	0
-	-	-	-	-	-	-	-	-		∞	- ∞	-	3 *
226	200	172	152	138	117	83	83	90		∞	- ∞	-	3 *
104	76	76	97	104	104	90	62	55	110.3	200	28	172	0
131	104	124	104	76	69	97	83	83	79.2	193	00	193	0
69	83	90	117	193	166	117	90	90	110.4	297	34	263	0
104	104	145	179	186	145	110	166	166	125.7	246	34	212	0
159	246	272	291	259	186	138	131	124	191.0	357	- 28	385	1
200	246	246	193	193	159	138	131	124	156.1	333	83	250	0
233	233	207	220	220	152	76	- 28	-181		454	-576	1033	2
-	-	-	-	-	-	-	-	-		∞	- ∞	-	3 *
83	83	83	55	28	62	76	62	55		∞	- ∞	-	3 *
117	124	159	200	186	166	138	110	83	127.0	239	55	184	0
97	104	145	200	186	152	131	90	117	136.9	220	69	151	0
110	110	104	34	48	69	83	104	90	85.2	138	28	110	0
135.6	141.1	164.0	167.5	159.2	138.7	120.3	119.9	109.7	136.3				

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^-		
3588	4822	8410	0.74	-	27,250
8388	8788	17176	0.95	-	-
2573	3178	5751	0.81	7.14	21,750
6616	7584	14200	0.87	4.87	109,000
9003	8715	17718	1.03	-	22,250
11612	13328	24940	0.87	7.00	20,750
5794	6504	12298	0.89	6.61	32,500
8476	9412	17888	0.90	5.06	-
5756	7304	13060	0.71	6.69	38,750
10016	11068	21084	0.91	5.26	34,250
8022	8658	16680	0.93	5.37	65,500
6871	8842	13713	0.78	4.82	76,750
6543	6964	13507	0.94	-	-
5085	5903	10988	0.86	-	22,250
11774	12536	24310	0.94	-	-
10023	10651	20674	0.94	9.05	84,000
7660	12903	20563	0.59	-	53,250
6506	7530	14036	0.87	-	-
1944	2205	4149	0.88	-	43,750
1561	-	-	-	-	31,500
2288	2510	4798	0.91	4.96	14,000
5084	5521	11605	0.92	6.40	17,000
6232	6241	12473	1.00	6.94	8,250
4336	-	-	-	7.54	29,500
5942	7133	13075	0.83	-	81,500
6767	7125	13892	0.94	-	-
3140	3375	6515	0.93	-	-
3026	3394	6420	0.89	3.80	9,750
5349	5758	11107	0.93	5.56	51,250
3851	3981	7832	0.97	5.98	79,750
6098	7144	13242	0.85	6.06	42,370

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	0.99	1.02	1.25	1.27	1.08	1.00	1.29	1.06	1.00	1.08	1.10	1.19
2	-	-	-	-	-	-	-	0.49	0.54	0.50	0.53	0.46
3	1.08	1.59	1.57	1.46	1.26	1.31	0.99	1.00	1.19	1.13	1.13	0.95
4	0.84	0.78	0.70	0.55	0.55	0.51	0.41	0.42	0.41	0.33	0.45	0.47
5	0.48	0.60	0.60	0.52	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	0.78	0.70
7	1.00	0.56	0.89	0.98	0.89	0.89	0.76	0.69	0.61	0.68	-	-
8	-	-	-	-	-	-	-	-	0.76	0.79	0.70	0.68
9	0.60	0.60	0.76	0.85	0.64	0.64	0.60	0.57	0.69	0.62	0.72	0.91
10	0.60	0.54	0.60	0.66	0.72	0.70	0.47	0.41	0.31	0.47	0.40	0.47
11	0.91	0.70	0.72	0.82	0.66	0.45	0.70	0.56	0.50	0.50	0.72	0.60
12	0.85	0.82	0.69	0.44	0.50	0.50	0.33	0.33	0.30	0.33	0.58	0.66
13	0.71	0.77	0.90	0.90	0.87	0.79	0.71	0.72	0.71	0.87	0.67	0.56
14	0.99	1.03	0.94	0.76	0.90	1.19	0.98	0.95	0.78	0.85	1.20	0.63
15	0.42	0.48	0.56	0.60	0.57	0.47	0.35	0.55	0.67	0.56	0.50	0.48
16	0.74	0.72	0.74	0.66	0.50	0.54	0.51	0.39	0.47	0.48	0.54	0.58
17	0.55	0.77	0.65	0.64	0.58	0.73	0.52	0.44	0.42	0.42	0.63	0.56
18	0.54	0.63	0.57	0.71	0.63	0.54	0.54	0.51	0.47	0.33	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	0.91	0.86	0.78	0.84	0.76
21	-	-	-	-	-	-	-	0.83	0.68	1.13	1.03	1.06
22	1.17	1.45	1.42	1.26	1.15	0.76	0.59	0.42	0.72	0.83	0.87	0.94
23	0.16	0.31	0.39	0.39	0.48	0.33	0.33	0.31	0.45	0.30	0.41	0.62
24	1.02	1.02	1.15	0.80	0.96	0.79	0.80	0.68	0.79	0.84	0.86	0.82
25	0.73	0.92	1.08	0.79	0.66	0.64	0.48	0.61	0.60	0.57	0.61	0.49
26	0.54	0.65	0.48	0.92	0.93	0.64	0.81	0.12	0.32	0.13	0.13	0.12
27	0.32	0.73	0.73	1.12	0.70	-	-	-	-	-	0.55	0.85
28	1.15	1.21	1.00	1.15	1.06	1.03	1.01	0.99	1.21	1.17	1.00	0.94
29	-	-	-	-	-	-	-	1.17	0.16	0.28	0.48	0.73
30	0.68	1.06	1.49	1.31	1.07	1.06	0.83	0.77	0.72	0.84	0.62	0.60
31												
Promedio	0.74	0.82	0.87	0.85	0.79	0.74	0.67	0.64	0.62	0.65	0.69	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	0.98	0.95	1.23	1.04	1.14	0.96	0.99	1.01	1.10	1.15	1.20	1.25
2	-	-	-	-	-	-	-	0.66	0.68	0.68	0.68	0.71
3	1.43	1.56	1.54	1.46	1.20	1.31	1.02	1.06	1.03	1.13	0.90	0.90
4	0.58	0.47	0.42	0.41	0.42	0.38	0.39	0.37	0.37	0.34	0.40	0.37
5	0.37	0.55	0.47	0.48	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	0.58	0.67
7	0.95	0.55	0.92	0.92	0.86	0.66	0.64	0.51	0.55	0.55	-	-
8	-	-	-	-	-	-	-	-	0.69	0.91	0.79	0.89
9	0.82	0.82	0.96	0.87	0.69	0.60	0.65	0.74	0.82	0.82	0.87	0.91
10	0.55	0.46	0.51	0.51	0.55	0.51	0.42	0.42	0.26	0.42	0.42	0.46
11	0.87	0.74	0.77	0.83	0.65	0.39	0.46	0.42	0.42	0.51	0.64	0.55
12	0.69	0.64	0.59	0.42	0.46	0.46	0.30	0.33	0.23	0.45	0.62	0.64
13	0.82	0.87	0.95	0.92	0.89	0.80	0.79	0.77	0.74	0.81	0.77	0.78
14	0.91	0.91	0.84	0.61	0.90	0.91	0.70	0.76	0.63	0.75	0.83	0.58
15	0.51	0.55	0.62	0.62	0.64	0.60	0.55	0.74	0.74	0.60	0.60	0.58
16	0.79	0.79	0.91	0.84	0.70	0.72	0.81	0.46	0.59	0.65	0.76	0.69
17	0.59	0.85	0.69	0.69	0.58	0.60	0.53	0.42	0.49	0.47	0.55	0.55
18	0.67	0.77	0.64	0.75	0.69	0.65	0.67	0.60	0.49	0.41	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	0.85	0.79	0.79	0.85	0.84
21	-	-	-	-	-	-	-	0.64	0.79	0.83	1.09	1.19
22	1.30	1.29	1.29	1.58	0.84	0.58	0.66	0.47	0.61	0.44	0.94	0.84
23	0.30	0.35	0.39	0.42	0.51	0.37	0.37	0.33	0.41	0.30	0.40	1.25
24	0.88	0.86	0.82	0.75	0.84	0.76	0.83	0.54	0.56	0.75	0.72	0.73
25	0.75	0.81	0.73	0.79	0.56	0.60	0.49	0.58	0.55	0.58	0.57	0.72
26	0.65	1.26	1.83	1.36	1.33	0.81	0.81	0.54	0.49	0.21	0.24	0.24
27	1.79	1.34	1.30	1.18	1.27	-	-	-	-	-	1.06	0.93
28	1.09	1.05	1.00	1.05	0.95	1.00	0.90	1.04	1.15	1.08	0.98	0.90
29	-	-	-	-	-	-	-	0.56	0.16	0.27	0.58	0.71
30	0.59	0.99	1.05	1.14	1.12	0.99	0.64	0.69	0.73	0.80	0.63	0.60
31												
Promedio	0.82	0.84	0.89	0.85	0.81	0.70	0.65	0.62	0.62	0.64	0.72	0.75

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
1.22	1.03	0.86	0.92	0.94	0.95	0:50	-	-	-	-	-	1.04
0.70	0.72	0.66	0.67	1.23	1.28	1.75	1.48	1.44	1.31	1.42	1.43	0.98
0.94	1.16	1.16	1.03	1.12	0.98	0.94	0.82	0.76	0.67	1.01	1.15	1.10
0.52	0.52	0.47	0.65	0.51	0.49	0.41	0.45	0.47	0.58	0.64	0.57	0.53
-	-	-	-	-	-	-	-	-	-	-	-	0.55
0.54	0.60	0.65	0.79	0.72	0.56	-	-	-	-	-	-	0.67
-	-	-	-	-	-	-	-	-	-	-	-	0.80
0.80	0.70	0.76	0.57	0.60	0.52	0.35	0.16	0.39	0.41	0.47	0.47	0.57
0.82	0.64	0.72	0.66	0.91	0.85	0.89	0.70	0.57	0.74	1.05	0.82	0.73
0.50	0.54	0.62	0.62	0.19	0.29	0.24	0.37	0.37	0.47	0.89	0.60	0.50
0.56	0.54	0.56	0.40	0.29	0.26	0.32	0.37	0.35	0.54	0.91	0.92	0.58
0.48	0.37	0.39	0.39	0.36	0.39	0.49	0.52	0.53	0.55	0.67	0.79	0.51
0.73	0.72	0.68	0.75	0.63	0.68	0.59	0.65	0.64	0.90	0.86	0.88	0.74
0.64	0.67	0.67	0.55	0.47	0.50	0.62	0.54	0.61	0.53	0.45	0.41	0.74
0.59	0.68	0.54	0.48	0.37	0.46	0.46	0.48	0.52	0.65	0.69	0.75	0.54
0.56	0.66	0.63	0.52	0.58	0.62	0.53	0.50	0.50	0.45	0.48	0.47	0.56
0.57	0.53	0.53	0.74	0.61	0.68	0.71	0.63	0.60	0.63	0.61	0.54	0.60
-	-	-	-	-	-	-	-	-	-	-	-	0.55
-	-	-	-	-	-	-	-	-	-	-	-	-
1.02	1.02	1.03	1.10	1.10	0.91	0.90	0.99	-	-	-	-	0.94
1.17	0.98	0.97	0.85	0.81	1.13	1.10	0.67	0.55	0.67	0.96	0.95	0.91
0.91	0.98	0.93	0.89	0.82	0.62	0.30	0.39	0.49	0.37	0.35	0.27	0.79
0.98	0.84	1.05	0.91	0.53	0.39	0.47	0.45	0.44	0.51	0.97	1.04	0.54
0.75	0.80	0.88	0.79	0.59	0.54	0.48	0.61	0.62	0.65	0.67	0.66	0.77
0.78	0.78	0.75	0.76	0.68	0.50	0.35	0.50	0.58	0.53	0.49	0.17	0.63
0.23	0.35	0.41	0.40	0.33	0.42	0.11	0.54	0.40	0.85	0.20	0.40	0.43
0.68	1.32	1.40	1.40	1.35	1.42	1.26	1.28	1.48	0.96	1.14	1.21	1.05
0.71	0.79	0.87	0.96	0.97	0.62	0.67	-	-	-	-	-	0.97
0.67	0.62	0.59	0.57	0.71	0.76	0.70	0.62	0.68	0.69	0.87	0.69	0.65
0.73	0.67	0.87	0.66	0.68	0.70	0.66	0.61	0.69	0.81	0.74	0.51	0.81
0.72	0.74	0.76	0.73	0.70	0.67	0.63	0.62	0.62	0.69	0.79	0.75	0.72

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
1.46	1.27	1.25	1.33	1.19	1.02	0.51	-	-	-	-	-	1.11
0.89	0.89	0.92	0.87	-	2.01	1.88	1.47	1.47	1.43	1.51	1.47	1.14
1.00	1.15	1.08	0.98	0.90	0.96	0.78	0.68	0.53	0.53	0.86	0.89	1.04
0.47	0.47	0.53	0.59	0.46	0.42	0.30	0.38	0.41	0.44	0.37	0.44	0.42
-	-	-	-	-	-	-	-	-	-	-	-	0.47
0.66	0.67	0.71	0.94	0.52	0.76	-	-	-	-	-	-	0.69
-	-	-	-	-	-	-	-	-	-	-	-	0.71
0.84	0.69	0.69	0.55	0.65	0.66	0.64	0.51	0.69	0.74	0.82	0.79	0.72
0.77	0.74	0.55	0.60	0.77	0.83	0.60	0.60	0.60	0.60	0.74	0.65	0.73
0.55	0.59	0.64	0.46	0.12	0.29	0.20	0.34	0.34	0.65	0.69	0.55	0.45
0.55	0.46	0.55	0.50	0.29	0.34	0.34	0.37	0.32	0.60	0.87	0.97	0.56
0.47	0.40	0.42	0.40	0.40	0.44	0.56	0.60	0.65	0.69	0.77	0.87	0.52
0.81	0.90	0.72	0.78	0.69	0.69	0.60	0.67	0.72	0.98	0.88	0.87	0.80
0.60	0.63	0.60	0.49	0.47	0.53	0.51	0.51	0.51	0.46	0.46	0.42	0.65
0.54	0.57	0.72	0.60	0.47	0.47	0.51	0.53	0.65	0.70	0.76	0.83	0.61
0.72	0.75	0.75	0.69	0.71	0.72	0.60	0.60	0.51	0.49	0.49	0.51	0.68
0.62	0.67	1.03	0.73	0.73	0.60	0.94	0.71	0.67	0.70	0.75	0.69	0.66
-	-	-	-	-	-	-	-	-	-	-	-	0.63
-	-	-	-	-	-	-	-	-	-	-	-	-
1.03	1.10	1.10	1.05	1.07	0.85	0.94	1.03	-	-	-	-	0.94
1.19	0.95	1.05	0.88	0.89	0.99	0.83	0.56	0.68	0.97	1.17	1.09	0.93
0.97	1.05	0.99	1.02	0.90	0.51	0.43	0.45	0.41	0.44	0.37	0.32	0.78
1.02	0.89	0.89	0.69	0.45	0.40	0.47	0.47	0.38	0.54	0.72	0.83	0.55
0.70	0.67	0.72	0.63	0.53	0.49	0.56	0.56	0.58	0.60	0.60	0.60	0.68
0.87	0.89	0.77	0.80	0.73	0.49	0.42	0.44	0.55	0.53	0.60	0.83	0.65
0.36	0.47	0.45	0.53	0.42	0.44	0.66	0.76	0.97	1.04	0.53	0.82	0.72
1.00	1.39	1.57	1.41	1.47	1.41	1.29	1.33	1.22	1.19	1.00	1.14	1.28
0.76	0.86	0.89	0.64	0.66	0.49	0.69	-	-	-	-	-	0.90
0.69	0.63	0.60	0.56	0.65	0.62	0.69	0.65	0.65	0.54	0.55	0.52	0.57
0.65	0.72	0.82	0.67	0.65	0.58	0.56	0.53	0.65	0.73	0.54	0.44	1.30
0.78	0.79	0.81	0.74	0.67	0.69	0.66	0.64	0.64	0.71	0.73	0.75	0.73

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	608	608	521	521	434	434	347	434	347
2	260	260	260	260	260	260	260	174	174	174	174	174
3	707	782	868	608	608	782	608	608	868	1115	1035	1035
4	434	434	347	260	260	260	174	174	174	260	260	260
5	260	347	347	347	347	260	260	260	260	451	608	608
6	347	347	347	347	347	347	347	347	260	260	434	521
7	174	260	260	260	347	521	521	521	434	521	707	608
8	608	608	608	608	608	521	347	434	434	347	434	434
9	174	174	260	347	260	174	174	174	260	347	347	434
10	260	260	260	260	347	347	260	174	260	260	347	260
11	564	434	608	608	564	260	434	347	260	521	707	521
12	521	521	347	260	260	260	174	-	-	-	-	-
13	-	-	-	-	-	-	-	260	347	347	260	260
14	347	434	347	347	434	521	434	434	521	521	608	347
15	174	174	260	174	174	174	174	174	174	174	174	260
16	260	347	260	260	174	174	174	260	347	347	260	174
17	260	434	260	260	260	347	260	174	260	174	174	174
18	174	260	260	260	260	174	174	260	347	260	260	260
19	782	707	707	707	608	608	521	608	608	707	782	868
20	434	434	434	521	521	521	521	434	521	434	347	434
21	782	782	782	782	707	707	434	347	608	707	707	707
22	782	955	868	782	608	521	260	260	434	608	608	434
23	174	174	174	174	174	174	174	174	260	260	347	347
24	707	707	707	521	608	521	521	521	521	608	608	608
25	347	521	521	521	347	347	347	347	347	347	260	260
26	347	608	347	1035	484	260	260	260	174	86	86	86
27	782	347	434	347	260	521	347	434	-	-	-	521
28	782	782	782	782	782	782	782	608	347	521	782	955
29	707	608	608	707	434	347	347	260	347	434	434	608
30	434	608	868	868	707	782	570	347	347	434	608	707
31												
Promedio	452	477	474	477	426	414	358	338	369	413	457	456

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	526	526	602	376	451	451	376	451	451	451	602	602
2	312	226	226	150	150	150	150	150	150	226	150	150
3	828	976	1052	828	602	905	451	602	1052	1250	1120	1250
4	150	75	75	75	75	75	75	75	75	75	75	150
5	75	150	150	150	150	150	150	75	150	419	752	676
6	75	150	226	150	150	150	150	150	150	150	300	451
7	75	75	150	226	226	150	226	312	312	678	976	976
8	752	828	752	676	526	376	376	226	226	451	602	526
9	226	150	226	150	75	75	150	150	75	75	150	312
10	150	75	75	75	75	75	75	150	75	226	226	226
11	312	376	376	526	376	226	226	75	75	602	905	752
12	602	451	226	150	150	150	150	-	-	-	-	-
13	-	-	-	-	-	-	-	75	75	75	75	312
14	150	150	75	150	226	226	226	150	75	226	451	226
15	150	150	150	75	150	150	150	75	150	226	226	150
16	150	226	312	312	226	150	150	75	75	150	226	150
17	226	376	226	312	312	226	226	226	376	312	526	526
18	312	226	150	226	312	312	150	75	75	150	150	150
19	828	714	676	828	602	602	526	602	602	752	905	1052
20	376	376	312	526	451	526	451	226	226	226	226	312
21	602	752	526	451	526	376	376	75	75	532	828	828
22	976	1052	752	754	451	376	75	75	75	75	526	602
23	75	75	75	75	75	75	75	75	75	75	150	376
24	526	526	451	312	376	376	376	312	312	451	676	602
25	376	451	376	376	226	226	226	226	226	312	226	602
26	312	1136	-	1052	1320	526	312	752	451	226	312	226
27	-	-	-	-	-	-	-	-	-	-	226	150
28	905	976	828	828	628	828	828	312	676	905	1188	1320
29	312	312	312	150	150	75	150	75	312	312	526	676
30	312	526	905	752	752	752	376	226	312	376	526	828
31												
Promedio	381	432	380	382	350	312	258	216	248	357	477	523

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	608	707	782	608	608	434	347	347	434	347	347	496
174	174	260	260	676	521	782	707	782	707	782	707	384
782	782	707	608	608	608	521	434	347	347	608	707	695
347	347	434	521	434	260	260	260	260	347	347	347	311
608	434	260	-	-	-	174	174	174	174	174	260	323
347	434	521	608	347	260	174	174	174	174	174	174	326
608	608	707	608	434	174	260	260	521	608	608	608	464
434	434	434	347	174	174	260	260	260	174	174	174	387
434	434	347	347	434	434	434	347	260	434	434	434	329
347	347	347	347	174	174	174	260	174	174	434	347	275
521	434	347	347	260	174	174	174	174	260	521	521	406
-	-	-	-	-	-	-	-	-	-	-	-	335
174	260	260	260	174	174	174	260	260	347	347	347	265
347	347	347	260	260	260	260	260	260	174	174	174	351
260	347	174	174	174	174	174	174	174	174	174	260	196
174	174	174	174	174	174	174	174	174	174	174	174	214
347	260	260	260	260	260	260	174	260	174	174	174	246
260	260	347	434	608	521	434	434	707	608	707	707	374
955	868	868	782	707	608	521	608	707	782	521	521	694
521	608	608	707	707	521	434	521	521	391	608	707	517
782	521	434	521	521	707	521	347	260	347	434	521	582
707	707	782	782	608	347	174	347	347	260	174	174	522
434	608	608	521	260	260	174	174	174	347	521	707	308
608	608	521	521	347	260	260	260	347	347	347	347	497
434	347	260	260	260	260	260	260	260	260	260	260	329
86	86	174	86	86	174	86	260	86	260	347	174	247
608	707	608	782	782	782	707	608	707	707	782	868	602
1035	1035	1035	955	868	782	608	347	260	347	434	608	708
521	521	521	521	608	347	260	260	260	434	434	434	457
707	782	782	707	707	521	347	347	391	521	347	347	574
483	486	477	482	438	376	327	318	332	362	399	418	417

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	676	526	451	451	451	226	150	150	312	150	75	423
226	226	526	376	976	1665	976	828	905	905	976	976	490
976	905	828	602	312	312	150	150	150	150	451	312	676
312	312	451	602	376	150	150	150	150	150	75	150	170
676	376	226	-	-	-	150	150	150	75	75	75	238
376	451	526	676	312	226	150	150	150	150	75	75	232
976	905	752	602	312	150	150	150	451	676	676	676	452
526	419	312	226	226	226	226	226	226	150	150	150	391
312	312	226	226	226	312	226	150	150	226	150	150	187
312	376	312	312	150	150	150	75	75	226	312	312	178
602	526	376	312	226	150	150	150	150	312	602	602	374
-	-	-	-	-	-	-	-	-	-	-	-	268
312	312	150	150	75	75	75	75	75	226	312	150	153
150	150	226	150	150	150	75	150	150	75	75	75	163
75	150	150	75	150	150	150	150	150	226	226	226	153
150	150	150	150	150	150	150	150	150	226	150	226	173
602	752	526	526	602	376	312	451	226	338	602	226	392
312	312	451	451	526	451	376	376	676	676	752	752	350
1188	1188	1120	905	752	676	602	602	752	752	676	602	771
451	676	676	451	602	419	376	312	451	226	451	526	410
828	451	451	376	376	376	75	75	75	226	451	526	426
828	828	1120	905	451	226	226	226	226	226	150	75	470
526	602	676	312	226	150	150	150	150	150	312	451	214
602	602	602	376	226	226	150	226	226	226	226	226	384
451	226	150	226	226	226	226	150	150	150	312	526	286
226	226	312	312	226	226	312	451	602	451	451	376	450
451	676	752	828	828	828	752	602	752	752	828	905	666
1320	1120	905	752	602	226	150	75	75	226	312	312	679
602	602	602	602	602	226	226	150	150	226	150	226	322
828	905	976	752	602	376	226	150	312	451	226	226	528
547	531	519	453	391	333	252	236	278	316	357	351	370

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

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	4490	3585	3585	2690	2690	3585	3585	4490	4490	4490	3585	3585
2	5380	8950	5380	6295	3585	9860	13430	14350	20700	23360	15250	13430
3	898	-	898	898	898	1795	1795	1795	1795	2690	2690	3585
4	3585	3585	3585	4490	4490	4490	6295	7180	10770	14350	8950	6295
5	7180	5380	5380	5380	5380	5380	7180	7180	8950	4490	4490	5380
6	6295	8060	4490	-	-	-	-	7180	14350	10770	6295	5380
7	15250	9860	7180	6295	5380	5380	5380	4490	5380	4490	2690	2690
8	1795	1795	1795	2690	2690	2690	5380	6295	7180	5380	3585	4490
9	11690	9860	5380	3585	4490	6295	8950	9860	8060	5380	3585	4490
10	6295	8950	7180	7180	5380	6295	8060	9860	10770	10770	7180	8060
11	5380	4490	2690	2690	3585	7180	7180	5380	7180	5380	5380	5380
12	2690	3585	5380	8950	8950	11670	-	-	-	-	-	-
13	-	-	-	-	-	-	-	7180	6295	6295	6295	5380
14	2690	2690	1795	2690	2690	2690	4490	4490	5380	4490	1795	4490
15	18870	18870	8060	7180	7180	13430	10770	17950	14350	16130	16130	13430
16	5380	4490	3585	4490	7180	8060	10770	13430	9860	7180	10770	12590
17	6295	3585	4490	5380	5380	8060	10770	8950	7180	10770	5380	8950
18	7180	4490	4490	4490	4490	9860	8950	10770	10770	12590	12590	10770
19	898	898	898	898	1795	2690	2690	1795	2690	1795	2690	2690
20	898	898	898	898	898	898	898	1795	1795	1795	2690	2690
21	898	898	898	898	898	898	1795	1795	-	-	-	-
22	898	1795	1795	1795	2690	2690	3585	5380	5380	3585	1795	2690
23	15250	5380	2690	3585	3585	5380	3585	4490	4490	5380	3585	2690
24	2690	1795	2690	2690	2690	1795	2690	3585	4490	3585	2690	2690
25	2690	2690	2690	2690	3585	4490	5380	7180	6295	7180	7180	7180
26	3585	3585	3585	1795	1795	4490	8950	18870	8060	18870	16130	17050
27	8060	4490	2690	1795	7180	9860	10770	9860	-	-	1795	1795
28	898	3585	898	898	898	1795	898	3585	2690	2690	2690	2690
29	2690	2690	1795	3585	4490	5380	5380	6295	6295	4490	6295	6295
30	3585	2690	1795	898	1795	2690	2690	3585	4490	3585	6295	4490
31												
Promedio	5324	4772	3402	3493	3812	5349	6011	7208	7412	7480	6088	6119

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	5380	3585	3585	3585	4490	4490	5380	5380	5380	5380	5380
2	9860	7180	7180	5380	7180	8950	17050	16130	13430	18870	20700	11690
3	1795	1795	898	1795	1795	1795	2690	12590	1795	1795	3585	3585
4	3585	2690	3585	4490	4490	5380	8060	8950	13430	17950	8950	7180
5	6295	5380	5380	5380	6295	7180	8060	7180	8060	5380	4490	7180
6	6295	5380	5380	-	-	-	9860	11690	18870	6295	8060	8950
7	7180	7180	6295	6295	5380	5380	6295	5380	4490	6295	2690	3585
8	2690	10770	2690	1795	1795	10770	7180	5380	5380	4490	17950	4490
9	8950	4490	8060	6295	7180	8950	9860	6295	10770	3585	2690	17950
10	8950	20350	5380	5380	6295	9860	-	10770	12590	10770	20700	7180
11	3585	4490	4490	3585	5380	-	6295	8060	8060	7180	5380	7180
12	4490	5380	6295	7180	13430	11690	13430	-	-	-	-	-
13	-	-	-	-	-	-	-	6295	7180	6295	7180	2690
14	2690	2690	3585	3585	4490	3585	4490	7180	5380	3585	3585	4490
15	20350	20350	8060	10770	10770	16130	14350	17950	15250	15250	16130	10770
16	5380	5380	4490	4490	8060	12590	13430	15250	8950	8950	8950	12590
17	6295	4490	6295	6295	7180	6295	8060	12590	20700	17950	35000	32300
18	8950	4490	9860	7180	6295	10770	9860	10770	11690	13430	12590	14350
19	1795	1795	898	1795	1795	1795	2690	2690	2690	2690	2690	2690
20	1795	1795	1795	1795	1795	1795	1795	1795	1795	2690	2690	2690
21	898	898	898	1795	898	898	1795	1795	-	-	-	-
22	2690	1795	1795	1795	2690	2690	7180	6295	4490	3585	3585	2690
23	8060	5380	2690	6295	4490	3585	5380	6295	5380	4490	4490	2690
24	2690	8950	6295	2690	2690	16130	5380	4490	-	20350	-	5380
25	-	4490	-	3585	17950	5380	898	8950	11690	7180	2690	8060
26	1795	3585	2690	1795	2690	8950	8950	7180	8950	17050	20350	16130
27	4490	3585	5380	3585	8950	17950	6295	-	-	-	3585	2690
28	1795	898	1795	1795	1795	1795	-	4490	3585	3585	3585	3585
29	3585	2690	2690	4490	4490	6295	6295	7180	5380	6295	6295	6295
30	3585	2690	1795	1795	2690	2690	4490	5380	1795	4490	4490	6295
31												
Promedio	5179	5586	4294	4168	5447	7176	7208	8013	8352	8365	8832	7883

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	3585	2690	2690	1795	1795	3585	4490	4490	4490	3585	5380	3588
8950	9860	11690	11690	-	3580	898	2690	898	898	898	898	8388
2690	1795	1795	3585	3585	3585	3585	3585	5380	5380	1795	2690	2573
5380	5380	8950	6295	7180	6295	8060	8950	7180	5380	6295	5380	6616
6295	7180	20350	-	-	-	20700	12590	16130	15250	10770	8060	9003
8950	6295	7180	4490	4490	6295	29600	20700	17050	25150	20350	18870	11612
2690	2690	3585	3585	4490	12590	14350	8950	4490	1795	2690	2690	5794
4490	3585	3585	5380	10770	14350	17950	18870	18870	20350	21520	17950	8476
3585	5380	5380	6295	4490	3585	3585	5380	7180	4490	3585	3585	5756
8950	7180	12590	6295	16130	16130	17950	17050	15250	16130	5380	5380	10016
8060	7180	6295	9860	13430	16130	13430	15250	20350	12590	3585	4490	8023
-	-	-	-	-	-	-	-	-	-	-	-	6871
7180	7180	7180	5380	8060	8950	9860	7180	8950	4490	2690	2690	6543
3585	3585	2690	2585	5380	7180	4490	7180	6295	7180	15250	15250	5085
12590	9860	9860	9860	13430	8950	11690	12590	10770	8950	6295	5380	11774
10770	10770	10770	14350	12590	12590	14350	12590	12590	12590	9860	8950	10023
17050	15250	8060	6295	7180	2690	4490	8950	5380	6295	8950	8060	7660
10770	8950	8950	6295	4490	2690	3585	3585	1795	1795	898	898	6506
2690	2690	1795	1795	2690	2690	1795	2690	1795	898	1795	898	1944
1795	1795	898	1795	1795	2690	2690	898	1795	-	1795	898	1561
898	3585	2690	2690	2690	1795	2690	5380	6295	4490	1795	1795	2288
1795	1795	2690	2690	3585	5380	17050	10770	5380	11690	10770	14350	5084
1795	1795	1795	2690	5380	11690	15250	17050	20350	6295	2690	2690	6232
3585	2690	2690	3585	5380	8950	10770	12590	5380	5380	4490	4490	4336
8950	8950	8060	7180	8950	8060	8060	6295	6295	6295	2690	3585	5942
10770	4490	2690	3585	5380	4490	3585	2690	4490	2690	4490	6295	6767
898	898	898	898	898	898	898	898	898	898	898	898	3140
3585	3585	2690	1795	3585	4490	5380	8950	4490	4490	2690	2690	3026
7180	7180	6295	7180	5380	7180	7180	7180	5380	4490	3585	4490	5349
4490	4490	3585	3585	4490	3585	5380	7180	4490	3585	4490	4490	3851
5969	5505	5806	5193	6211	6760	9065	8729	7934	7300	5744	5661	6098

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	3585	3585	2690	2690	6295	6295	8060	4490	5380	5380	4822
9860	7180	14350	10770	11690	4490	1795	1795	898	1795	1795	898	8788
2690	2690	1795	4490	3585	3585	3585	3585	5380	4490	1795	2690	3178
6295	10770	8060	6295	8060	8060	8950	8950	7180	7180	6295	7180	7584
6295	7180	16130	-	-	-	12590	21520	14350	11650	9860	7180	8715
6295	16130	4490	11690	-	26900	17950	18870	24200	25150	21520	12590	13328
4490	3585	3585	6295	15250	8950	7180	8950	1795	14350	13430	1795	6504
5380	5380	5380	9860	4490	20700	20350	20700	22400	17050	5380	13430	9412
5380	5380	6295	-	4490	4490	6295	7180	-	8950	-	9860	7304
7180	8950	7180	10770	14350	17050	17950	17050	16130	7180	5380	7180	11068
8060	8060	8950	11690	17950	17950	13430	17050	17950	7180	3585	3585	8658
-	-	-	-	-	-	-	-	-	-	-	-	8842
17950	7180	5380	8060	7180	8950	8950	8950	7180	2690	2690	3585	6964
3585	3585	3585	5380	4490	5380	5380	7180	8950	11650	16130	17050	5903
12590	9860	11690	9860	13430	10770	11690	14350	8950	8950	6295	6295	12536
10770	10770	12590	13430	14350	15250	14350	12590	11690	13430	8950	8950	10651
27800	15250	20700	14350	8060	6295	9860	9860	8060	8060	9860	8060	12903
11690	9860	7180	5380	4490	-	3585	3585	2690	1795	1795	898	7530
2690	2690	1795	2690	2690	2690	2690	2690	1795	1795	898	1795	2205
1795	1795	1795	2690	5380	2690	2690	10770	3585	12590	898	1795	3029
1795	2690	2690	2690	3585	1795	2690	8950	5380	2690	2690	2690	2510
1795	2690	2690	2690	3585	10770	14350	5380	5380	10770	10770	20350	5521
1795	1795	2690	2690	8950	13430	16130	14350	10770	3585	2690	11690	6241
20350	8950	8950	8950	5380	16130	23360	12590	13430	-	15250	7180	10265
8950	8060	8060	7180	8950	9860	7180	7180	6295	8950	3585	1795	7133
7180	6295	3585	6295	5380	8950	6295	5380	8060	3585	6295	3585	7125
898	898	898	898	898	1795	898	898	1795	1795	1795	898	3375
3585	3585	2690	2690	3585	5380	6295	6295	5380	4490	2690	2690	3394
8950	7180	6295	6295	5380	8060	8060	8060	5380	3585	4490	4490	5758
4490	4490	4490	4490	5380	5380	3585	-	4490	3585	4490	4490	3981
7416	6525	6467	6746	7174	9201	9118	9679	8486	7624	6310	6209	7144

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	- 5.4	- 6.8	- 6.8	- 6.8	- 5.4	- 6.8	- 6.8	- 4.1	- 5.4	- 4.1	- 9.5	- 6.8	- 8.1
2	- 5.4	- 2.7	- 5.4	- 5.4	- 6.8	- 5.4	- 2.7	- 1.4	- 2.7	1.7	- 2.7	1.7	- 1.4
3	-	-	-	-	-	-	-	-	-	-	-13.6	-10.6	-13.6
4	- 6.8	- 6.8	- 2.7	- 6.8	1.7	- 6.8	- 6.8	- 6.8	- 4.1	- 2.7	- 8.1	- 5.4	- 6.8
5	- 4.1	- 4.1	- 4.1	- 2.7	- 1.4	- 2.7	- 2.7	- 4.1	- 2.7	- 4.1	- 4.1	- 4.1	- 6.8
6	- 2.7	- 2.7	- 2.7	- 2.7	- 2.7	- 2.7	- 1.4	- 2.7	- 4.1	- 4.1	- 1.4	- 2.7	- 1.4
7	- 4.1	- 1.4	- 2.7	- 2.7	- 2.7	- 1.4	- 2.7	- 1.4	- 1.4	- 2.7	- 4.1	- 1.4	- 1.4
8	- 1.4	- 2.7	- 1.4	- 2.7	3.4	- 1.4	- 1.4	- 2.7	1.7	- 1.4	- 4.1	1.7	- 1.4
9	- 1.4	1.7	- 1.4	3.4	3.4	1.7	1.7	3.4	6.9	3.4	- 5.4	- 4.1	- 4.1
10	- 4.1	- 2.7	- 4.1	- 1.4	- 1.4	- 1.4	- 4.1	- 2.7	- 4.1	- 5.4	- 5.4	- 1.4	- 2.7
11	3.4	1.7	- 1.4	- 1.4	3.4	- 2.7	- 2.7	- 1.4	- 1.4	- 2.7	- 4.1	1.7	- 1.4
12	- 1.4	1.7	- 1.4	- 1.4	1.7	- 2.7	- 1.4	- 2.7	- 4.1	- 5.4	- 4.1	- 1.4	- 5.4
13	3.4	1.7	1.7	- 1.4	1.7	1.7	3.4	5.2	1.7	- 1.4	1.7	- 1.4	- 1.4
14	3.4	1.7	- 1.4	- 1.4	3.4	- 2.7	- 2.7	- 6.8	- 2.7	- 5.4	- 2.7	- 1.4	- 1.4
15	1.7	5.2	3.4	5.2	8.6	5.2	5.2	3.4	5.2	6.9	8.6	10.3	6.9
16	6.9	5.2	6.9	6.9	10.3	8.6	10.3	10.3	6.9	- 2.7	- 2.7	1.7	- 1.4
17	- 1.4	1.7	1.7	- 1.4	3.4	1.7	- 1.4	-	-	-	-	-	-
18	8.6	6.9	8.6	6.9	12.0	6.9	6.9	3.4	1.7	- 1.4	- 5.4	- 1.4	- 4.1
19	- 1.4	- 2.7	-	-	-	-	- 2.7	- 1.4	3.4	- 1.4	- 1.4	-	-
20	1.7	-	-	-	-	-	-	-	-	-	-	-	-
21	1.7	- 1.4	- 1.4	- 1.4	3.4	- 2.7	1.7	- 1.4	- 1.4	- 2.7	- 1.4	1.7	- 1.4
22	- 4.1	1.7	- 1.4	- 2.7	3.4	- 2.7	1.7	3.4	- 1.4	- 1.4	- 2.7	- 1.4	- 2.7
23	3.4	3.4	-	-	-	-	-	-	-	-	-16.3	-14.9	-13.6
24	- 2.7	- 4.1	- 2.7	- 4.1	1.7	- 2.7	- 5.4	- 2.7	- 2.7	- 2.7	- 5.4	- 4.1	- 2.7
25	- 1.3	- 1.3	- 2.7	- 1.4	- 2.7	- 4.1	- 5.4	- 2.7	- 4.1	- 2.7	- 5.4	- 1.4	1.7
26	- 5.4	- 8.1	- 9.5	-12.2	-17.6	-20.3	-33.9	-28.5	-	-25.8	-27.1	-27.1	-29.3
27	5.2	3.4	5.2	6.9	6.9	3.4	5.2	- 8.1	-12.2	-17.6	-21.7	-16.3	-19.0
28	-	-	-	-	-	-	-	-	-	-14.9	-21.7	-	-
29	-14.9	-13.6	-12.2	-12.2	-13.6	-14.9	-10.8	-10.8	-13.6	-14.9	-16.3	-13.6	-14.9
30	-12.2	-12.2	-12.2	- 8.1	- 8.1	-12.2	-12.2	-12.2	-10.8	-12.2	-19.0	-12.0	-14.9
31													
Prom	- 1.5	- 1.4	- 2.0	- 2.0	0.2	- 2.7	- 2.7	- 3.0	- 2.1	- 4.9	- 7.3	- 4.4	- 5.9
Var.	2.4	2.5	1.9	1.9	4.1	1.2	1.2	0.9	- 1.8	- 1.0	- 3.4	- 0.5	- 2.0

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	-	-	-	-	-	- 6.7	- 9.3	1.6	1.6	- 1.3	- 1.3	- 1.3	- 2.7
2	- 5.3	- 5.3	- 4.0	-	-	-12.0	-12.0	-13.3	-10.6	- 6.7	- 8.0	- 8.0	- 9.3
3	-	-	-	-	-	-	-	-	- 9.3	-14.6	-12.0	-13.3	-14.6
4	-10.6	- 8.0	- 8.0	-10.6	-13.3	-17.3	-16.0	-13.3	-12.0	-10.6	-10.6	-10.6	-10.6
5	-17.3	- 6.8	- 8.1	- 9.3	-12.0	-12.0	-12.0	- 8.0	-10.6	-10.6	-10.6	-13.3	-14.6
6	-12.0	- 8.0	- 8.0	- 9.3	-10.6	- 9.3	- 9.3	- 9.3	-10.6	-10.6	- 9.3	-10.6	-10.6
7	-10.6	- 6.7	- 6.7	- 9.3	-13.3	- 9.3	-12.0	- 8.0	- 9.3	- 8.0	- 9.3	- 8.0	- 9.3
8	- 9.3	- 6.7	- 8.0	-10.6	-10.6	- 9.3	- 9.3	- 9.3	- 8.0	- 9.3	- 9.3	- 9.3	- 9.3
9	- 8.0	- 8.0	- 8.0	- 9.3	-10.6	- 9.3	- 8.0	- 6.7	- 8.0	- 9.3	- 8.0	- 8.0	- 8.0
10	- 6.7	- 5.3	- 8.0	-12.0	- 8.0	-10.6	- 9.3	- 9.3	-12.0	-12.0	- 9.3	- 9.3	- 9.3
11	- 8.0	- 8.0	- 9.3	-13.3	-12.0	-12.0	-10.6	-10.6	- 8.0	- 9.3	-10.6	- 9.3	-10.6
12	- 9.3	- 9.3	- 9.3	-16.0	-14.6	-12.0	-10.6	-10.6	-10.6	- 9.3	-10.6	-10.6	-12.0
13	- 9.3	- 8.0	-10.6	-10.6	- 9.3	- 9.3	- 9.3	-12.0	-12.0	-12.0	-14.6	-14.6	-14.6
14	-13.3	-12.0	-13.3	-14.6	-14.6	-16.0	-14.6	-18.6	-13.3	-13.3	-17.0	-16.0	-16.0
15	-16.0	-13.3	-12.0	-14.6	-14.6	-16.0	-14.6	-14.6	-16.0	-16.0	-13.3	-12.0	-14.6
16	-12.0	-10.6	-12.0	-13.3	-14.6	-16.0	-13.3	- 9.3	-12.0	-14.6	-17.3	-14.6	-14.6
17	-12.0	-10.6	-14.6	-16.0	-17.3	-18.6	-17.3	-	-	-	-	-	-
18	-10.6	- 8.0	- 8.0	-10.6	-13.3	-14.6	-12.0	-12.0	-13.3	-12.0	-10.6	-14.6	-17.3
19	-	-	-	-	-	-	-20.0	-18.6	-14.6	-14.6	-14.6	-13.3	-17.3
20	-17.3	-16.0	-10.6	-14.6	-14.6	-14.6	-16.0	-16.0	-14.6	-16.0	-14.6	-16.0	-14.6
21	-14.6	-12.0	-12.0	-14.6	-18.6	-17.3	-16.0	-14.6	-14.6	-12.0	-14.6	-14.6	-14.6
22	- 9.3	- 5.3	-10.6	-14.6	-16.0	-17.3	-17.3	-16.0	-16.0	-16.0	-17.3	-13.3	-16.0
23	- 9.3	-12.0	-10.6	-14.6	-13.3	-13.3	-14.6	-14.6	-10.6	- 9.3	-10.6	6.7	3.1
24	- 2.7	1.6	- 1.3	- 6.7	- 5.3	- 4.0	- 4.0	- 4.0	- 1.3	- 1.3	- 2.7	- 5.3	- 2.7
25	- 1.3	- 1.3	- 1.3	- 4.0	- 5.3	- 5.3	- 4.0	- 4.0	- 4.0	- 4.0	- 2.7	- 1.3	- 4.0
26	1.6	3.1	12.6	9.4	9.4	9.4	6.3	10.6	-	15.7	11.0	9.4	12.6
27	- 4.0	- 2.7	- 1.3	- 2.7	- 8.0	- 4.0	- 5.3	6.3	6.3	6.3	3.1	4.7	1.6
28	12.6	12.6	12.6	6.3	3.1	1.6	3.1	7.8	9.4	7.8	7.8	6.3	4.7
29	- 1.3	- 1.3	1.6	- 2.7	- 4.0	- 4.0	- 4.0	- 2.7	- 2.7	- 1.3	- 2.7	- 1.3	- 1.3
30	- 4.0	- 4.0	- 5.3	-10.6	- 5.3	- 9.3	-10.6	- 8.0	-12.0	-10.6	- 9.3	- 8.0	- 9.3
31													
Prom	- 8.1	- 6.4	- 6.4	- 9.6	-10.2	-10.3	-10.4	- 8.5	- 8.9	- 8.1	- 8.6	- 7.9	- 8.8
Var.	1.3	3.0	3.0	- 0.2	- 0.8	- 0.9	- 1.0	0.9	0.5	1.3	0.8	1.5	0.6

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
- 2.7	- 4.1	- 5.4	- 6.8	- 6.8	- 6.8	- 5.4	- 5.4	- 4.1	- 5.4	- 2.7	- 5.8	1
3.4	3.4	1.7	- 5.4	-	-	-	-	-	-	-	- 2.1	2
- 6.8	- 8.1	- 8.1	-10.6	- 5.4	- 6.8	- 8.1	- 9.5	- 6.8	- 2.7	- 6.8	- 8.4	1
- 5.4	- 8.1	- 8.1	- 8.1	- 5.4	- 5.4	-10.6	- 6.8	- 5.4	- 2.7	- 4.1	- 5.8	2
-	-	-	- 6.8	- 5.4	- 2.7	- 2.7	- 5.4	- 4.1	- 2.7	- 1.4	- 3.8	1
- 1.4	- 5.4	- 5.4	- 4.1	- 5.4	- 4.1	- 8.1	- 5.4	- 5.4	- 4.1	1.7	- 3.4	1
3.4	1.7	- 4.1	- 6.8	- 2.7	- 5.4	1.7	- 4.1	- 1.4	- 1.4	- 1.4	- 2.1	2
3.4	- 2.7	- 2.7	- 5.4	- 2.7	- 2.7	- 2.7	- 1.4	- 1.4	1.7	1.7	- 1.2	1
- 1.4	- 1.4	- 2.7	- 8.1	- 4.1	- 2.7	- 4.1	- 5.4	1.7	- 2.7	6.9	- 0.6	2
3.4	- 1.4	1.7	- 2.7	- 2.7	- 1.4	- 6.8	- 5.4	1.7	- 1.4	3.4	- 2.2	1
- 1.4	- 2.7	- 2.7	- 1.4	- 4.1	- 1.4	- 2.7	- 1.4	1.7	1.7	- 1.4	- 1.0	1
- 2.7	- 5.4	- 9.5	- 5.4	- 2.7	- 1.4	- 1.4	- 2.7	1.7	5.2	6.9	- 1.9	1
- 4.1	- 5.4	- 5.4	- 2.7	- 1.4	- 4.1	- 5.4	- 4.1	- 6.8	- 4.1	- 5.2	- 1.3	1
1.7	1.7	1.7	- 4.1	- 1.4	- 2.7	- 2.7	- 2.7	1.7	- 1.4	1.7	- 1.1	1
5.2	1.7	1.7	- 2.7	8.6	13.8	10.3	1.7	12.0	5.2	6.9	5.8	2
6.9	5.2	1.7	- 1.4	1.7	- 1.4	- 1.4	- 4.1	3.4	1.7	3.4	3.4	2
-	-	-	-	-	-	-	-	-	6.9	8.6	2.2	1
3.4	- 5.4	- 8.1	-10.8	- 4.1	- 2.7	- 2.7	- 2.7	1.7	- 1.4	- 2.7	0.6	2
-	-	-	-	-	- 6.8	- 6.8	- 4.1	- 1.4	- 1.4	- 5.4	- 2.0	2
-	- 4.1	- 8.1	- 6.8	- 5.4	- 6.8	- 5.4	- 4.1	- 2.7	3.4	5.2	- 3.0	1
- 2.7	- 2.7	- 6.8	- 9.5	- 6.8	- 5.4	- 4.1	- 5.4	- 2.7	- 1.4	- 2.7	- 2.4	1
1.7	- 2.7	- 2.7	-	-	-	-	-	1.7	3.4	3.4	- 0.3	1
- 9.5	-10.8	-13.6	-13.6	-	-	- 5.4	- 8.1	- 2.7	- 4.1	- 5.4	- 7.9	1
1.7	1.7	-	-	-	-	-	-	- 1.4	- 2.7	- 1.4	- 2.4	1
3.4	- 5.4	- 4.1	- 5.4	- 5.4	- 2.7	- 5.4	- 1.4	1.7	1.7	1.7	- 2.3	1
-29.8	-27.1	-23.0	-20.3	-25.8	-25.8	-27.1	-24.4	-21.7	-23.0	-13.6	-22.0	2
-13.6	-14.9	-14.9	-16.3	-14.9	-16.3	-12.2	-10.8	- 8.1	- 6.8	- 4.1	- 8.0	2
-	-	-19.0	-20.3	-17.6	-16.3	-16.3	-16.3	-14.9	-13.6	-13.6	-16.8	1
-10.8	-13.6	-13.6	-13.6	-10.8	-10.8	-13.6	-14.6	-10.8	-14.9	-13.6	-13.2	1
- 9.5	- 8.1	-10.8	-16.3	-13.6	-12.2	-19.0	-13.6	-16.3	-10.8	-14.9	-12.6	1
- 2.6	- 4.8	- 6.6	- 8.3	- 6.0	- 5.6	- 6.5	- 6.4	- 3.2	- 2.7	- 1.7	- 3.9	
1.3	- 0.9	- 2.7	- 4.4	- 2.1	- 1.7	- 2.6	- 2.5	0.7	1.2	2.2		

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
- 2.7	- 8.0	- 8.0	-12.0	-12.0	- 9.3	- 9.3	- 8.0	- 9.3	-10.6	-10.6	- 6.3	2
- 8.0	- 9.3	- 8.0	- 8.0	-	-	-	-	-	-	-	- 8.5	2
-13.3	-12.6	-10.6	-10.6	-13.3	-14.6	-13.3	-13.3	-13.3	-18.6	-18.6	-13.5	2
-10.6	- 9.3	-10.6	-10.6	-12.0	-13.3	-16.0	-13.3	-10.6	-16.0	-17.3	-12.1	2
-	-	-	-13.3	-12.0	-10.6	-13.3	- 8.0	- 8.0	-12.0	-17.3	-11.4	2
-10.6	- 9.3	-10.6	- 9.3	-10.6	-12.0	-12.0	- 9.3	-10.6	-18.6	-17.3	-10.7	2
- 9.3	- 6.7	- 8.0	- 8.0	- 9.3	-10.6	- 9.3	- 9.3	- 9.3	-14.6	-12.0	- 9.4	2
-12.0	- 9.3	- 8.0	- 8.0	- 9.3	-10.6	-12.0	-10.6	-10.6	- 9.3	-14.6	- 9.7	1
- 6.7	- 6.7	- 8.0	- 8.0	- 9.3	-10.6	- 9.3	- 9.3	- 8.0	-13.3	-12.0	- 8.8	2
-10.6	-12.0	-10.6	-10.6	- 9.3	-12.0	-12.0	-10.6	- 9.3	- 8.0	-14.6	-10.0	1
- 9.3	-10.6	- 9.3	- 9.3	-12.0	-12.0	-12.0	-12.0	- 9.3	-10.6	-14.6	-10.5	1
-10.6	-12.0	-10.6	-12.0	-13.3	-12.0	-13.3	-10.6	-10.6	- 9.3	-14.6	-11.4	2
-16.0	-18.6	-17.3	-18.6	-16.0	-20.0	-21.3	-17.3	-18.6	-17.3	-20.0	-14.5	1
-16.0	-16.0	-14.6	-16.0	-18.6	-16.0	-17.3	-13.3	-14.6	-18.6	-18.6	-15.5	1
-14.6	-16.0	-16.0	-16.0	-13.3	-12.0	-13.3	-14.6	-10.6	-12.0	-10.6	-14.0	1
-16.0	-16.0	-14.6	-13.3	-14.6	-14.6	-16.0	-17.3	-14.6	-21.3	-16.0	-14.5	1
-	-	-	-	-	-	-	-	-	-14.6	-18.6	-15.5	1
-17.3	-13.3	-16.0	-16.0	-16.0	-18.6	-17.3	-18.6	-17.3	-	-	-14.0	1
-18.6	-17.3	-17.3	-18.6	-18.6	-14.6	-18.6	-14.6	-14.6	-14.6	-14.6	-16.4	1
-13.3	-12.0	-17.3	-16.0	-17.3	-18.6	-18.6	-18.6	-16.0	-16.0	-20.0	-15.8	1
-12.0	-14.6	-17.3	-17.3	-17.3	-20.0	-18.6	-17.3	-16.0	-14.6	-14.6	-15.4	1
-16.0	-17.3	-17.3	-16.0	-14.6	-14.6	-17.3	-16.0	-14.6	-12.0	-10.6	-14.6	2
1.6	- 1.3	1.6	- 2.7	- 2.7	- 2.7	- 2.7	- 4.0	- 1.3	- 2.7	- 1.3	- 5.9	2
- 4.0	- 4.0	- 5.3	- 5.3	- 5.3	- 4.0	- 5.3	- 2.7	- 1.3	- 2.7	- 2.7	- 3.4	1
- 6.7	- 6.7	- 5.3	- 5.3	- 6.7	- 8.0	- 6.7	- 4.0	- 6.7	- 4.0	- 4.0	- 4.4	1
14.1	12.6	12.6	11.0	11.0	11.0	11.0	7.6	9.4	9.4	9.4	10.0	2
1.6	1.6	1.6	- 1.3	- 1.3	- 2.7	1.6	- 1.3	- 1.3	1.6	- 1.3	0.0	2
4.7	1.6	4.7	1.6	-	- 2.7	- 4.0	- 2.7	- 1.3	- 1.3	1.6	4.3	1
- 1.3	- 2.7	- 4.0	- 4.0	- 5.3	- 8.0	- 8.0	- 8.0	- 9.3	- 6.7	- 6.7	- 3.8	2
- 9.3	-12.0	-13.3	-12.0	-12.0	-10.6	-14.6	-12.0	- 8.0	-16.0	-10.6	- 9.9	2
- 8.7	- 9.2	- 9.2	- 9.8	-10.8	-10.9	-11.4	-10.3	- 9.5	-10.9	-11.5	- 9.4	
0.7	0.2	0.2	- 0.4	- 1.4	- 1.5	- 2.0	- 0.9	- 0.1	- 1.5	- 2.1		

PRESIÓN ATMOSFÉRICA

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

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	59.1	58.8	58.0	57.6	57.4	57.0	57.0	56.9	56.2	55.2	55.3	54.0	53.4	53.2	53.0
2	54.0	53.7	53.5	53.1	52.1	51.6	51.3	51.4	51.9	51.3	51.9	51.1	50.1	49.3	48.2
3	56.7	56.8	56.8	56.7	56.9	57.7	59.2	60.0	60.6	61.3	60.9	60.6	60.6	60.6	60.6
4	61.9	61.8	62.0	62.2	62.8	63.2	63.7	64.0	64.0	64.2	64.2	64.0	63.4	63.0	63.0
5	65.2	65.3	65.3	65.3	65.4	65.6	66.1	66.4	66.6	67.1	67.0	66.7	66.5	66.4	66.5
6	68.2	68.1	68.1	68.1	67.9	68.0	68.0	68.1	68.1	68.0	67.5	67.3	66.6	66.2	65.7
7	65.2	65.5	65.3	64.8	64.5	64.3	64.7	64.8	64.3	64.3	63.8	62.9	61.8	61.0	60.5
8	59.5	59.1	59.0	58.6	58.6	58.6	58.9	59.0	58.9	58.8	58.4	57.7	56.5	55.0	55.2
9	56.2	56.2	56.4	56.2	56.2	56.3	57.2	57.5	57.8	58.1	58.8	59.1	59.0	59.0	58.9
10	63.3	63.8	64.2	64.7	64.8	65.1	65.4	65.6	65.9	66.0	65.8	65.8	65.3	65.0	65.1
11	65.3	65.2	65.0	64.6	64.7	64.8	65.0	65.0	65.1	65.2	65.2	65.1	64.4	64.0	63.5
12	63.5	63.5	63.6	63.5	63.7	63.7	64.3	64.8	64.9	65.0	64.9	64.4	63.7	63.6	63.5
13	63.5	63.5	63.4	63.4	63.3	63.4	63.5	63.6	63.6	63.6	63.4	63.1	62.1	61.9	61.6
14	61.5	61.3	60.5	60.4	60.3	60.3	60.2	60.2	60.2	60.3	60.3	60.1	59.5	59.0	58.6
15	59.4	59.1	59.1	58.9	58.8	58.9	59.3	59.6	59.7	60.1	60.0	59.8	59.4	59.1	58.9
16	60.2	60.1	60.0	60.5	60.7	60.8	60.8	60.7	61.3	61.5	61.4	60.6	59.9	59.4	59.8
17	62.4	62.9	62.8	62.8	62.2	61.7	61.9	62.0	62.5	62.4	62.4	62.2	62.0	60.0	60.1
18	61.9	61.8	61.6	61.5	61.3	61.3	61.4	61.3	61.6	61.8	61.6	60.9	60.7	60.2	60.1
19	60.4	60.5	60.4	59.8	59.7	59.8	60.2	60.0	60.3	60.6	60.5	60.2	59.7	59.5	59.4
20	59.4	59.4	59.3	59.1	58.9	59.0	59.4	59.5	59.7	59.7	59.1	58.3	57.8	57.2	57.2
21	56.9	56.8	56.8	56.6	56.6	56.8	57.3	57.4	57.7	58.5	58.5	58.4	58.1	57.9	57.9
22	60.2	60.1	60.1	60.1	60.4	60.8	60.9	61.1	61.9	61.8	61.5	60.8	60.5	60.0	59.8
23	61.4	61.5	61.3	60.8	60.8	61.7	62.1	62.0	62.3	62.8	62.8	62.7	61.7	61.7	61.4
24	60.7	60.6	60.6	60.6	60.3	60.0	60.4	61.0	61.0	60.9	60.3	59.4	58.8	58.3	58.0
25	58.8	58.6	58.3	58.2	58.2	58.5	58.6	58.7	58.8	58.9	58.7	58.2	57.5	57.2	56.8
26	57.9	57.5	57.5	57.2	57.2	57.2	57.5	57.6	57.5	58.0	58.0	57.8	57.3	56.6	56.8
27	57.3	56.5	56.2	55.8	55.2	54.2	53.6	53.2	54.8	53.9	53.9	54.1	54.0	53.9	54.2
28	61.9	62.0	62.2	62.5	62.8	63.3	64.0	64.6	64.9	65.6	65.5	65.1	64.7	64.7	64.8
29	68.0	67.9	67.7	67.6	67.2	67.5	67.4	67.5	67.3	67.4	67.4	67.0	66.2	65.6	65.8
30	65.7	65.7	65.7	65.7	65.6	65.7	65.7	65.7	65.6	65.9	66.4	66.3	65.8	65.4	65.0
31															
Prom	61.2	61.1	61.0	60.9	60.8	60.9	61.2	61.3	61.5	61.6	61.5	61.1	60.6	60.1	60.0

TEMPERATURA DEL AIRE

a la sombra en grados C.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	12.4	13.3	13.4	13.6	13.7	13.7	13.8	14.6	15.5	18.3	18.2	18.1	19.4	18.9	18.9
2	13.3	13.2	13.1	12.9	12.8	13.0	13.1	13.3	13.3	12.9	12.9	12.9	12.9	12.9	12.9
3	8.1	7.1	6.3	6.1	5.5	4.6	4.3	4.4	6.0	6.5	7.5	9.7	9.9	10.4	10.2
4	5.6	5.1	4.8	5.0	5.1	5.2	5.3	5.5	6.2	7.4	7.7	8.6	8.8	9.5	9.6
5	2.8	2.2	1.8	1.6	1.2	0.4	0.3	1.1	4.1	7.3	8.5	9.7	10.7	11.7	11.5
6	1.2	1.1	1.2	0.4	0.1	0.4	- 0.3	0.3	5.0	9.0	11.5	12.6	12.8	13.5	12.9
7	3.3	3.6	4.4	4.5	5.4	5.8	6.3	7.1	8.1	10.0	10.9	11.7	12.7	12.9	12.7
8	8.7	8.6	8.6	8.1	7.6	7.6	6.5	6.6	7.7	10.1	11.7	12.4	12.8	13.6	13.8
9	10.7	10.7	10.8	10.4	9.7	9.1	8.3	8.4	9.1	9.4	10.0	10.6	12.6	13.3	13.5
10	8.3	7.1	6.8	7.0	7.1	7.3	7.3	7.1	8.2	11.2	12.2	12.3	13.0	13.1	13.0
11	9.7	9.3	9.1	9.0	8.3	8.2	7.5	7.7	9.2	10.1	10.3	11.0	10.9	10.7	10.1
12	10.0	10.0	9.8	9.4	9.1	8.7	8.6	8.8	9.9	11.5	12.1	12.4	13.5	13.5	12.9
13	12.6	12.6	12.7	12.7	12.7	12.7	12.7	12.4	12.7	13.0	13.2	13.3	13.8	14.7	14.7
14	12.0	12.0	10.9	8.8	8.9	9.1	9.1	9.6	10.2	12.2	14.1	14.0	14.0	14.0	13.9
15	11.7	11.5	11.5	11.6	11.6	11.6	11.7	11.9	11.9	11.9	12.1	12.2	12.2	12.7	12.6
16	11.4	11.6	11.3	10.9	10.6	10.5	10.2	10.5	11.0	11.7	12.2	12.6	12.7	13.1	13.0
17	11.7	11.5	11.4	11.6	11.5	11.4	11.7	11.8	11.8	11.9	12.1	12.0	11.9	11.5	11.8
18	11.8	11.8	11.8	11.9	11.8	11.7	11.5	11.3	11.5	12.4	13.1	14.1	14.7	14.5	14.2
19	10.1	10.2	10.2	9.9	9.3	9.1	9.0	9.5	9.7	10.4	11.6	13.2	14.2	15.1	15.2
20	10.2	10.1	10.1	10.2	10.2	10.2	10.3	10.3	10.3	10.3	11.2	12.0	13.0	13.4	14.0
21	11.3	11.2	10.9	10.1	9.8	9.7	9.3	9.3	10.5	10.7	12.1	12.5	13.2	13.6	13.5
22	10.2	9.6	8.4	7.2	5.4	5.5	6.4	6.3	6.8	9.1	11.9	12.3	13.1	14.2	13.5
23	7.1	7.1	7.1	7.5	7.9	7.4	7.7	7.4	7.4	7.3	9.2	11.2	14.0	15.1	15.1
24	9.5	9.3	9.1	8.4	8.5	8.8	8.9	9.4	11.1	12.8	14.5	15.7	17.0	17.7	17.8
25	11.3	11.5	11.9	12.2	12.4	12.5	13.0	13.7	14.5	16.2	16.6	14.9	16.6	17.7	19.1
26	16.0	16.0	15.0	15.1	15.1	15.1	15.1	16.9	17.0	17.0	17.2	17.3	18.1	18.1	18.0
27	13.8	13.2	12.3	12.4	12.5	13.5	13.5	14.0	11.8	11.6	12.1	12.3	12.1	11.9	11.6
28	7.7	6.9	6.3	6.0	5.8	5.1	4.9	4.5	6.2	7.6	9.2	10.1	10.4	10.8	11.2
29	2.1	1.6	1.1	0.5	0.4	- 0.3	- 0.3	0.6	2.4	5.1	7.9	9.2	9.5	9.8	10.1
30	4.0	4.3	4.3	4.2	4.1	3.9	2.8	2.1	2.2	3.4	4.3	5.3	6.2	7.1	7.1
31															
Prom	9.3	9.1	8.9	8.6	8.5	8.4	8.3	8.5	9.4	10.6	11.6	12.2	12.9	13.3	13.3

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
53.1	52.8	53.7	53.7	54.0	54.2	54.1	53.9	53.9	59.4	0	52.8	17	6.6	755.2 mm.	1006.9 mb.
48.2	50.6	47.3	51.6	53.0	53.7	55.0	55.9	56.8	56.8	24	47.3	18	9.5	51.9	1002.5
60.7	60.8	61.4	61.2	61.4	61.4	61.6	61.6	61.8	61.8	24	56.5	0-1	5.3	59.9	1013.2
63.1	63.6	63.6	64.3	64.6	64.6	64.7	64.9	65.0	65.0	24	61.8	0,2	3.2	63.6	1018.1
66.7	66.9	67.0	67.4	67.6	68.1	68.1	68.1	68.2	68.2	24	65.0	0	3.2	66.6	1022.1
65.8	66.1	65.9	65.9	66.3	66.4	66.2	65.9	65.5	68.2	0,1	65.5	24	2.7	67,0	1022.6
60.5	60.6	60.5	60.4	60.0	59.6	59.7	59.8	59.8	65.5	0,2	59.6	21	5.9	62.4	1016.5
55.0	54.9	55.1	55.6	56.0	56.0	56.0	56.1	56.2	59.8	0	54.9	17	4.9	57.2	1009.6
59.1	59.9	60.8	61.6	62.0	62.6	62.6	62.7	62.9	62.9	24	59.0	4-5	3.9	59.0	1012.0
65.2	65.2	65.4	65.6	66.0	66.4	66.3	66.3	65.8	66.0	10	62.9	0	3.1	65.3	1020.4
63.3	63,2	63.1	63,0	63.0	63.1	63.1	63.0	63,2	65.8	0	62.7	23,24	3.1	64.2	1018.9
63.3	63.4	63.3	63,4	63.7	63.7	63.7	63.7	63.5	65.0	10	63.3	16,18	1.7	63.8	1018.4
61.4	61.5	61.7	62.2	62.2	62.0	61.9	61.9	61.6	63.6	varios	61.4	16	2.2	62.6	1016.8
58.5	58.6	58.8	58.9	59.0	59.5	59.2	59.6	59.6	61.6	0	58.5	16	3.1	59.8	1013.0
59.0	59.0	59.5	59.3	59.6	59.8	59.9	60.0	60.3	60.6	10	58.8	5	1.8	59.4	1012.5
60.3	60.4	60.5	61.2	61.5	61.6	61.7	61.7	61.4	62.0	22-23	59.4	14	2.6	60.8	1014.8
60.4	59,6	60.5	61.3	61.7	61.8	61.9	61,9	62.0	62.9	6	59.6	17	3.3	61.7	1015.6
60.2	60.3	60.4	60.4	60.6	60.6	60.5	60.5	60.5	62.0	0	60.1	15	1.9	61.0	1014.6
59.4	59.6	59.7	60.0	60.1	59.8	59.7	59.7	59.6	60.6	10	59.4	15,16	1.2	59.9	1013.2
57:2	57.3	57.3	57.5	57.6	57.3	57.0	56.9	56.9	59.6	0	56.7	22-23	2.9	58.2	1010.9
58.0	58.2	58.4	58.9	59.1	59.3	59.4	60.1	60.1	60.1	23,24	56.4	4-5	3.7	58.1	1010.8
60.4	60.5	60.4	60.6	60.5	60.4	60.4	60.5	61.5	61.9	9	59.8	15	2.1	60.6	1014.1
61.4	61.4	61.5	61.5	61.4	61.4	61.4	61.4	60.8	62.8	10,11	60.8	varios	2.0	61.6	1015.4
58.0	58.2	58.3	58.5	58.8	59.1	59.1	59.2	59.2	60.8	0	58.0	15,16	2.8	59.6	1012.8
56.9	56.9	57.1	57.0	57.2	57.9	58.0	58.0	57.9	59.2	0	56.8	15	2.4	58.0	1010.6
56.9	57.7	57.8	58.0	58.2	58.0	58.0	58.0	57.6	58.7	7-8	56.6	14	2.1	57.6	1010.1
55.0	56.1	57.2	58.2	59.4	60.1	60.8	61.6	61.7	61.7	24	53.2	8	8.5	56.3	1008.4
65.2	65.9	66.2	67.2	67.4	67,7	67,9	67.9	68.0	68.0	24	61.7	0	6.3	65.1	1020.1
65.4	65.3	65.2	65.2	65.2	65.3	65.5	65.7	65.7	68.0	0,1	65.0	17-18	3.0	66.5	1022.0
65.3	65.7	65.8	66.7	66.8	66.8	66.9	66.9	67.1	67.1	24	65.0	15	2.1	66.0	1021.3
60.1	60.3	60.4	60.9	61.1	61.3	61.3	61.4	61.5	62.8		59.3		3.5	61.0	1014.6

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
18.8	17.7	17.0	16,2	15.5	15.2	15.4	14,0	12,8	19.4	13	12.8	24	6.6	15.8
12,9	10.7	10,0	9.8	9.5	8,8	8,8	8.2	8.2	13.3	1	8.2	23,24	5.1	11.8
9,9	9,3	8,8	8.0	7.4	7.1	6.6	6,3	5,8	10.4	14	3.7	7-8	6.7	7.3
9.4	8.3	7.4	6,8	5.7	5.7	5.2	4.0	3.5	9.9	15-16	3.5	24	6.4	6.5
11.1	9.1	6.7	5.2	3.6	2.9	2.4	1.7	1.4	11.9	14-15	0.1	7-8	11.8	5.0
12,8	9.8	8.0	6.6	5.1	4.9	3.8	3.2	2,8	13.8	14-15	- 0.3	7	14.1	5.8
12.5	10.9	10.1	9.5	9.3	9.3	9.1	8,7	8,7	12.9	14	2.6	0-1	10.3	8.6
13,5	13,0	12.8	12.3	11.7	11.3	10,5	10,7	10,7	13.8	15	6.5	7	7.3	10.4
13.2	12.5	11.4	11:1	10.7	10.4	10.3	10,2	9.6	13.5	15	8.3	7	5.2	10.7
12:0	11.5	10.4	9.8	9.7	9.7	9.7	9.8	9.9	13.4	13-14	7.1	8	6.3	9.7
9.9	9.6	9.1	8.6	8.6	8.8	9.7	10.0	10.0	11.2	12-13	7.3	7-8	3.9	9.4
12.8	12.7	12.2	12.1	12.0	12.0	12.1	12.4	12.6	14,0	13-14	8,6	7	5.4	11.3
14.1	14,0	13.8	13.1	13.0	13.0	12.7	12.7	12.6	14,7	14,15	12,3	7-8	2.4	13.1
13.7	13.4	12.7	12.5	12.4	12.3	12.2	11.9	11.9	14.5	11-12	8,8	4	5.7	11.9
12.5	12.1	11.7	11.4	11.3	11.4	11.4	11.4	11.4	12.7	14	11.3	20	1.4	11.8
12.9	12.5	12.4	12.2	12.0	12.2	12.3	12.3	11.9	13.1	14	10.2	7	2.9	11.8
11.7	11.7	12,0	11.9	11.7	11,7	11.7	11.7	11,8	12,1	11	11,2	2-3	0.9	11,7
13.9	13.1	12.5	11.7	11.3	10.6	10.6	10.6	10.6	14.7	13	10,6	varios	4.1	12.2
14.8	13.9	13.5	12.9	12.4	11.8	11.1	11.0	10.3	15.4	14-15	9.0	7	6.4	11.6
14.1	13.8	13.2	12.9	12.6	12.1	11.9	11.4	11.3	14.1	16	9.9	7-8	4.2	11.6
13.4	12.7	12.4	11.5	11.1	11,1	11.2	11.3	10.9	13:6	15	9.3	7,8	4.3	11.4
12.4	10.7	9.4	8,7	8.6	8.1	7.3	7.1	6.2	14,2	14	5.4	5	8.8	9.1
14,3	12.3	11.1	10.9	10.5	10.6	10.6	10.2	10.0	15.2	14-15	5.5	0-1	9.7	10.0
17.2	15.2	14.1	13.0	12.9	12.3	11.6	11.2	11.1	17.8	15	8.4	4	9.4	12.4
19.0	17.6	17.3	17.1	16.5	15.0	15.8	15.9	16.1	19.1	15	11.1	0	8.0	15.2
16.7	16.0	15.1	14.8	14.7	14.2	14.3	14.4	14.2	18.3	13-14	14.0	2-3	4.3	15.9
11.5	11.2	11.0	9.6	8.7	8.5	8.5	8.1	8.0	14.2	0	8.0	24	6.2	11.4
10.1	9.1	7.7	6.2	5.2	4.8	3.8	3.2	2.3	11.2	15	2.3	24	8.9	6.9
9.6	8.1	7.4	7.1	6.9	6.8	6.4	4.9	4.4	10.1	15	- 0.3	6,7	10.4	5.0
7.2	7.0	5.5	5.2	5.2	5.3	4.6	4.0	3.1	7.2	16	2.1	8	5.1	4.7
12.9	12.0	11.2	10.6	10.2	9.9	9.7	9.5	9.1	13.6		7.2		6.4	10.3

HUMEDAD RELATIVA en %

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

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	9.5	10.5	11.0	11.0	11.0	11.0	11.5	11.5	12.0	12.5	12.5	13.5	14.5	15.0	15.5
2	11.0	11.0	10.5	10.5	10.5	10.5	10.5	11.0	11.0	10.5	10.5	10.5	10.5	10.5	10.5
3	7.4	7.0	6.6	6.0	6.2	5.8	5.6	5.8	6.0	5.8	6.4	6.4	6.6	6.8	6.6
4	6.6	6.4	6.2	6.2	6.4	6.4	6.4	6.6	6.4	6.2	6.0	6.4	6.0	6.5	6.4
5	5.4	5.2	5.0	5.0	4.8	4.6	4.4	5.0	5.2	5.4	5.6	5.6	5.4	5.8	5.8
6	4.8	4.8	4.8	4.6	4.4	4.2	4.0	4.4	6.0	5.8	6.2	6.2	6.2	6.0	5.8
7	5.6	5.6	6.0	6.0	6.2	6.0	6.4	6.2	6.2	6.2	6.4	6.4	6.2	6.6	6.8
8	6.8	7.2	7.6	7.4	7.4	7.4	7.0	7.3	7.6	8.5	9.0	9.0	9.0	9.5	9.5
9	9.0	9.0	9.0	9.0	9.0	8.0	7.8	7.8	8.0	8.5	8.5	8.0	8.0	8.5	8.5
10	7.8	7.2	7.2	7.2	7.2	7.4	7.4	7.1	6.6	6.6	6.6	6.6	7.4	7.4	7.4
11	8.0	8.0	7.8	7.8	7.6	7.4	7.4	7.2	6.6	6.6	6.6	6.6	7.0	7.2	7.0
12	7.4	7.8	7.8	8.0	8.0	8.0	8.0	7.8	8.0	8.0	8.0	7.8	7.8	8.5	8.5
13	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.7	10.5	10.5	10.5	11.0	11.0	11.3	11.5
14	10.0	10.0	9.5	8.0	8.0	8.0	8.0	8.5	9.0	8.0	8.5	8.5	8.5	8.5	8.5
15	10.0	9.5	9.5	9.5	9.5	9.5	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
16	9.5	9.5	9.5	9.5	9.0	9.0	9.0	9.2	9.0	9.0	8.5	8.5	9.0	9.5	9.0
17	9.0	9.0	9.0	8.5	8.5	9.0	9.0	8.6	8.5	8.5	9.0	9.5	10.0	9.9	10.0
18	11.0	10.0	10.0	10.0	10.0	10.0	9.5	9.5	9.5	9.5	9.5	9.0	9.5	9.7	9.0
19	8.5	8.5	8.5	8.0	8.0	8.0	8.0	8.3	8.0	8.5	8.5	9.0	9.0	9.2	9.0
20	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.5	10.0	10.0	10.5	11.0
21	9.5	9.5	9.5	9.0	8.5	8.5	8.5	8.5	8.5	8.5	9.0	9.0	9.5	10.0	10.0
22	8.0	7.8	7.6	7.4	6.4	6.6	7.0	7.0	7.0	7.8	8.0	8.5	8.5	9.0	9.0
23	7.2	7.2	7.2	7.4	7.6	7.4	7.6	7.4	7.4	7.4	8.0	9.5	9.0	8.5	8.5
24	8.5	8.5	8.0	7.8	8.0	8.0	8.0	8.3	8.5	8.5	8.5	9.0	9.5	9.2	10.0
25	9.0	9.0	9.0	9.5	9.0	9.0	9.5	9.4	9.5	10.5	10.5	11.5	12.0	13.0	13.5
26	13.0	13.0	12.0	12.0	12.0	12.0	12.0	14.0	14.0	14.0	14.0	14.0	15.0	15.0	15.0
27	11.5	11.0	10.0	10.0	10.5	11.0	11.0	11.5	10.0	10.0	10.0	10.0	10.0	10.0	9.5
28	7.2	6.8	6.6	6.8	6.6	6.4	6.2	6.2	6.2	6.4	6.6	6.6	6.8	6.4	6.6
29	4.8	4.6	4.8	4.6	4.2	4.0	4.0	4.2	4.4	5.0	5.2	5.4	5.4	6.0	5.6
30	5.6	5.4	5.4	5.4	5.2	5.2	4.8	4.9	4.4	4.4	4.4	4.8	4.8	5.1	5.0
31															
Prom.	8.4	8.3	8.2	8.0	8.0	7.9	7.9	8.1	8.1	8.2	8.4	8.6	8.7	9.0	9.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
97	97	96	98	100	100	100	99	99	100	varios	81	10	19	95
100	100	99	87	89	88	100	97	96	100	varios	85	19-20	15	98
77	82	88	93	96	97	95	98	100	100	24	72	14	28	88
73	80	86	92	97	92	94	100	100	100	varios	69	15-16	31	90
59	77	90	95	100	100	100	99	99	100	varios	56	14,15	44	87
55	74	81	87	93	94	97	98	98	100	0-1	52	14	48	83
66	75	81	84	84	83	85	86	86	100	0-1	59	14	41	80
84	91	97	99	100	100	100	100	100	100	varios	81	14-15	19	93
80	83	86	86	93	94	96	97	99	100	varios	75	13-14	25	92
74	80	88	89	92	96	98	98	95	100	varios	62	11-12	38	86
77	81	84	85	86	89	89	86	84	96	7	70	12	26	84
83	87	94	98	100	100	100	100	100	100	varios	70	13	30	89
94	95	98	99	100	100	100	100	100	100	varios	92	14	8	98
76	84	87	90	92	92	92	92	93	100	varios	69	11-12	31	89
96	99	100	100	100	99	99	99	99	100	varios	94	15	6	99
87	89	88	88	90	88	88	88	88	100	6,7	83	11-12	17	91
96	97	92	94	100	100	100	100	100	100	varios	83	8	17	93
82	82	88	90	93	97	98	97	97	100	varios	77	13-14	23	92
72	77	77	80	83	86	91	92	99	99	24	71	15	28	87
93	100	99	99	100	99	98	97	97	100	varios	92	15-16	8	98
88	93	96	98	100	100	100	99	96	100	varios	86	14-15	14	95
84	94	98	100	100	100	100	100	100	100	varios	75	14	25	93
74	83	92	91	95	96	96	96	97	100	varios	67	14-15	33	93
75	82	85	91	89	90	93	94	94	100	4	61	14	39	87
86	91	94	94	96	98	98	98	98	99	22-23	75	9-10	24	90
100	100	100	100	100	100	100	100	100	100	varios	87	3-4	13	99
97	98	97	100	100	91	89	89	89	100	varios	87	22-23	13	98
69	76	82	88	90	89	93	90	93	97	7,8	67	14-15	30	86
65	73	81	80	80	77	72	81	84	97	3	62	12	35	80
68	69	74	80	82	80	83	88	93	95	7-8	66	15-16	29	81
81	86	90	92	94	94	95	95	96	99		74		25	90

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
15.5	14.5	14.0	13.0	12.5	12.5	12.5	11.5	10.5	15.5	15,16	9.5	0,1	6.0	12.4
10.5	9.0	8.5	7.8	7.6	7.4	8.0	7.8	7.8	11.0	varios	7.4	21	3.6	9.7
7.0	7.2	7.0	7.4	7.4	7.2	6.6	6.8	6.6	7.8	0	5.6	7	2.2	6.6
6.4	6.2	6.6	6.8	6.6	6.2	6.0	5.8	5.6	6.8	19	5.6	24	1.2	6.3
5.6	6.6	6.4	6.0	5.6	5.4	5.2	5.0	4.8	6.6	17	4.4	7	2.2	5.4
5,8	6.4	6.6	6.4	6.1	6,0	5.8	5.6	5.4	6.6	18	4.0	7	2,6	5.5
7.2	7.0	7.6	7.2	7.3	7.2	7.0	7.2	7.2	7.6	18	5.4	0	2.2	6.6
9.5	10.0	10.5	10.0	10.0	9.5	9,0	9,0	9.0	10,5	18	6.8	1	3.7	8.6
8.5	8.5	8.5	8.5	8.5	8.5	9.0	9.0	8.5	9.0	varios	7.8	7,8	1.2	8.5
7.4	7.8	8.0	7.8	8.3	8.5	8.5	8.5	8.5	8.5	varios	6.6	varios	1.9	7.5
7.0	7.2	7.0	6.8	7.2	7,4	7.8	7,8	7.6	8.5	0	6.6	varios	1.9	7.3
9.0	9.5	9.5	10.0	10.0	10,0	10,0	10,0	10,5	10.5	24	7,4	1	3.1	8.7
11.0	11.0	11.0	10.5	10.5	10.5	10,5	10.5	10,5	11.5	15	10.5	varios	1.0	10.7
9.0	9.0	9.5	9.0	9.9	9.5	9.5	9.5	9.5	10.5	0	8.0	varios	2.5	8.9
10.5	10.0	10.0	9.5	9.5	9.5	9.5	9.5	9.5	10.5	16	9.5	varios	1.0	9.8
9.5	9,5	9,0	9,0	9.4	9,0	9.0	9,0	9,0	9.5	varios	8.5	11,12	1.0	9.1
10,0	10,0	9,5	9,5	10.0	10,0	10.0	10.0	10.0	10.0	varios	8.5	varios	1.5	9.4
9,5	9,0	9,5	9,0	9.2	9,0	9,0	9,0	9.0	11,0	1	9.0	varios	2.0	9.5
9.0	9.0	8,5	8.5	8.5	9,0	9,0	9,0	9,0	9,2	14	8.0	varios	1.2	8.6
11.0	11.0	11.0	10.5	10.5	10.0	10.0	9.5	9.5	11.0	varios	9.0	varios	2.0	9.8
10.0	10.0	10.0	9.5	9.5	9.5	9.5	9.5	9.0	10.0	varios	8.5	varios	1.5	9.3
8.5	8.5	8.5	8,0	8.0	7,8	7,4	7,2	6,8	9.0	varios	6.4	5	2.6	7.8
8.5	8.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.5	12	6.8	0	2.7	8.2
10.5	10.5	9.5	10.0	9.5	9,0	9.0	9,0	9.0	10.5	16,17	7.8	4	2.7	8.9
14.0	13.5	13.5	13.5	13.4	12.0	13.0	13.0	13.0	14.0	16	9.0	varios	5.0	11.4
13.5	13.0	12.5	12.0	12.0	11.5	11.5	11.5	11.5	15.0	varios	11.5	varios	3.5	12.9
9.5	9.5	9.5	8.5	8.0	7.6	7.2	7.0	7.0	11.5	varios	7.0	23,24	4.5	9.6
6.2	6.6	6.4	6.2	5.9	5.6	5.4	5.0	5.0	7.2	1	5.0	23,24	2.2	6.3
5.6	5.8	6.2	5.8	5.9	5.6	5.2	5.2	5.0	6.2	18	4.0	6,7	2.2	5.1
5.0	5.0	4.8	5.0	5.5	5.0	5.2	5.2	5.2	5.6	1	4.4	varios	1.2	5.0
9.0	8.9	8.9	8.7	8.7	8.5	8.5	8.4	8.3	9.7		7.3		2.4	8.4

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	E	4	NE	5	NE	7	NE	9	NE	9	NE	7	NE	9	NE	12	NE	13	NE	15	N	17	NW	18	NW	19	NW	17	W	11
2	C	1	S	2	S	2	SE	5	SE	5	E	5	E	10	E	10	E	7	SE	10	SE	6	SE	8	SE	8	E	12	E	12
3	SW	17	SW	15	SW	14	S	16	S	11	S	6	C	0	W	4	W	8	W	8	SW	6	SW	8	SW	8	SW	7	SW	6
4	C	0	C	0	C	0	C	0	C	0	C	0	C	0	C	0	SE	3	SE	3	S	2	SE	4	S	5	S	5	S	4
5	S	2	S	4	S	2	S	5	S	3	S	3	S	3	S	2	S	5	S	5	S	6	S	7	S	6	S	7	S	6
6	SW	3	SW	6	SW	4	SW	3	SW	2	C	1	C	1	C	1	C	0	NE	2	N	3	W	3	W	3	NW	4	NW	7
7	NE	4	NE	3	NE	5	NE	8	NE	7	NE	7	NE	8	NE	9	NE	13	NE	16	NE	18	NE	21	NE	21	NE	19	NE	15
8	NE	17	NE	16	NE	14	NE	13	NE	9	NE	7	NE	8	NE	7	NE	9	N	12	N	11	N	8	N	8	NE	6	NE	4
9	S	4	S	4	S	3	C	1	C	1	C	1	SW	2	SW	6	SW	6	SW	4	S	5	SE	7	E	6	SE	2	SE	3
10	E	2	C	1	S	2	C	1	SE	2	C	1	SE	3	SE	3	SE	4	E	4	E	5	S	4	S	3	E	4	E	3
11	E	9	E	5	E	5	E	8	NE	3	NE	2	NE	4	NE	6	NE	10	NE	13	NE	14	E	9	E	9	E	10	E	12
12	E	9	E	5	E	4	E	4	C	0	C	0	C	1	SE	3	E	3	E	6	E	11	E	11	E	11	E	14	E	8
13	E	7	E	8	E	6	E	3	E	3	E	5	E	7	E	5	E	4	E	5	E	4	W	2	S	3	S	4	S	3
14	SW	3	C	1	C	1	C	0	W	4	SW	4	S	2	C	0	C	0	E	2	N	3	NE	2	C	0	NE	4	N	4
15	C	1	E	4	E	7	E	5	E	4	E	7	E	3	E	4	E	8	E	10	E	10	E	10	E	12	E	13	E	13
16	E	17	E	14	E	14	E	11	E	10	E	10	E	8	E	15	E	15	E	15	E	14	E	13	E	17	E	19	E	15
17	E	8	E	6	E	8	E	11	E	11	E	18	E	17	E	21	SE	14	SE	14	SE	14	SE	12	SE	7	SE	11	SE	18
18	SE	15	SE	18	SE	17	SE	13	SE	10	SE	7	SE	8	SE	7	SE	8	SE	12	SE	16	SE	16	SE	15	SE	18	SE	15
19	S	10	S	12	S	11	S	11	S	8	S	10	S	10	S	11	S	11	S	11	S	12	S	12	S	13	S	17	S	13
20	S	9	S	10	S	10	S	10	S	11	S	12	S	10	S	9	S	11	S	12	S	10	S	10	S	10	S	10	S	9
21	SW	2	SW	3	W	5	W	7	W	5	SW	5	W	4	SW	4	SW	4	W	4	W	6	W	9	W	6	W	5	SW	6
22	W	8	SW	6	SW	4	W	2	W	4	W	3	W	5	W	7	W	5	NW	3	NW	8	NW	13	NW	12	W	12	W	13
23	NW	9	NW	8	NW	5	NW	7	NW	8	NW	9	NW	6	N	5	N	6	N	8	N	12	N	13	N	14	N	11	N	12
24	NE	11	NE	12	NE	9	NE	8	NE	11	NE	17	NE	14	NE	13	NE	12	NE	16	NE	17	NE	13	NE	15	NE	17	NE	15
25	NE	10	NE	7	NE	5	NE	4	NE	4	NE	3	E	5	E	5	NE	9	NE	11	NE	7	E	8	E	7	NE	5	NE	6
26	W	4	S	3	W	11	S	2	E	2	E	2	C	1	E	7	S	2	C	0	NE	2	C	0	SW	3	SW	4	S	4
27	S	9	SE	10	SE	11	E	13	E	12	E	10	E	12	E	12	SW	13	S	7	S	6	S	6	SW	11	SW	12	SW	12
28	SW	12	SW	13	SW	10	SW	9	SW	10	SW	10	SW	5	S	4	S	7	S	8	S	16	S	8	S	9	S	8	S	5
29	S	3	S	3	C	1	S	2	S	2	S	2	S	3	S	3	SE	5	SE	6	SE	8	SE	9	SE	7	SE	7	SE	5
30	S	5	S	5	S	5	S	2	S	2	S	2	S	2	S	2	S	6	S	5	S	5	S	6	S	9	S	8	S	7
31																														
DIR. PREV.	E S		S		S		S E		S NE E		E		E		E		NE S		S E NE		S		S		S		S		S	
Nº de HORAS	7		8		7		7		6		7		7		8		6		6		8		7		8		7		8	
PROM. HOR. DE LA VELOC		7		7		7		6		6		6		6		6		7		8		9		9		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	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	9	SW	7	SW	8	C	0	C	1	C	0	S	3	C	0	C	0	NE	9	8	33	NW	12.39
E	12	SW	25	S	31	S	23	S	17	S	11	S	14	SW	14	SW	17	E S	7	11	84	SW	16.47
SW	4	C	1	C	0	C	0	C	0	C	1	C	1	C	0	C	0	C SW	9	6	33	S	3.12
S	5	S	3	S	2	C	1	C	0	SE	4	SE	2	SE	3	SE	2	C	10	2	10	S	15.10
S	4	S	3	C	0	C	1	C	1	C	0	C	0	SW	3	SW	4	S	17	3	15	S	10.44 15.21
NW	6	W	3	NE	2	NE	4	NW	2	NW	2	NE	2	NE	3	NE	3	NE	6	3	12	NW	14.47
NE	13	NE	7	NE	5	NE	7	NE	10	NE	15	NE	17	NE	15	NE	16	NE	24	12	32	NE	11.08
C	0	E	6	E	4	E	2	E	2	C	0	C	1	S	3	S	4	NE	11	7	26	NE	0.20
S	4	S	2	SE	5	SE	4	C	0	C	0	S	2	C	0	C	0	S C	7	3	20	SE	11.26
E	3	E	5	E	4	E	2	C	0	C	0	NE	3	NE	3	E	6	E	10	3	9	E	13.40
E	10	E	6	E	3	E	7	E	8	E	11	E	10	E	12	E	11	E	17	8	24	NE	10.17
E	11	E	11	E	8	E	9	E	6	E	3	E	4	E	8	E	9	E	20	6	20	E	14.36
E	5	E	4	C	0	W	2	SW	2	C	0	SW	5	S	3	SW	2	E	13	4	10	E	1.40
E	3	NE	5	NE	5	C	1	C	1	C	0	E	3	E	2	E	3	C	9	2	8	W	4.36
E	13	E	9	E	9	E	11	E	11	E	13	E	13	E	15	E	12	E	23	9	31	E	22.20
E	13	E	10	E	12	E	15	E	13	E	12	E	14	E	12	E	11	E	24	13	32	E	13.10
SE	18	SE	21	SE	18	SE	22	SE	21	SE	17	SE	16	SE	15	SE	15	SE	16	15	46	SE	16.50
SE	9	SE	10	SE	10	SE	11	SE	10	S	8	S	10	S	10	S	10	SE	20	12	38	SE	13.18
S	13	S	10	S	12	S	11	S	11	S	11	S	12	S	12	S	11	S	24	11	30	S	13.48
S	8	S	9	S	7	S	7	S	5	S	5	S	3	S	4	SW	4	S	23	8	25	S	5.32
SW	4	SW	6	SW	3	NW	2	NW	4	NW	4	W	4	W	7	W	7	W	12	5	14	W	11.06
W	10	W	7	NW	6	NW	6	NW	9	NW	8	NW	6	NW	5	NW	5	W NW	11	7	18	NW	14.10
NE	9	NE	5	NE	4	NE	8	NE	6	NE	8	NE	11	NE	11	NE	10	NE	9	8	20	NW	12.05
NE	9	NE	7	NE	7	E	7	NE	9	NE	10	NE	9	NE	9	NE	8	NE	24	11	29	NE	14.21
E	6	E	5	NE	7	NE	8	NE	8	NE	6	NE	3	NE	6	NE	9	NE	18	6	16	NE	19.19
S	4	S	4	S	5	S	6	S	6	S	8	E	12	E	3	SE	6	S	10	4	68	W	2.12
SW	12	SW	11	SW	17	SW	21	S	18	S	14	S	10	S	10	SW	11	SW	9	12	46	S	19.32
S	8	S	3	S	4	S	3	S	5	S	4	S	2	S	4	S	3	S	17	7	23	S	10.56
SE	4	S	3	S	2	S	4	S	5	S	4	S	5	C	1	S	3	S	14	4	18	SE	11.48
S	6	S	5	S	3	S	2	S	5	S	4	S	4	S	2	S	4	S	24	4	18	S	13.32
E		S		S		E S		S		S		S		S		S E		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		72 Km.		
9		9		8		7		8		9		10		8		6		S	170	7	DIREC.	DIA	HORA
	8		7		7		7		6		6		7		6		7				SW	2	de 16.40 a 16.45

FRECUENCIAS, KILÓMETROS RECORRIDOS Y VELOCIDAD MEDIA POR DIRECCIÓN

DÍAS	NORTE		NORESTE		ESTE		SUDESTE		SUD		SUDOESTE		OESTE		NOROESTE		Calma	TOTALES DIARIOS DE KILÓMETROS
	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	KILÓM. RECOR.	Nº DE HORAS	
1	1	17	9	86	1	4			1	3	2	15	2	20	3	54	5	200
2					7	68	6	42	7	100	3	56					1	267
3									3	33	9	85	3	20			9	141
4							7	21	7	26							10	48
5									17	73	2	7					5	82
6	1	3	6	16							5	18	3	9	5	21	4	70
7			24	279														279
8	4	39	11	110	4	14			2	7							3	171
9					1	6	5	21	7	24	4	18					7	72
10			2	6	10	38	4	12	3	9							5	68
11			7	52	17	145												197
12					20	155	1	3									3	159
13					13	66			4	13	3	9	2	4			2	92
14	2	7	4	16	5	13			1	2	2	7	1	4			9	53
15					23	216											1	217
16					24	319												319
17					8	100	16	253										353
18							20	245	4	38								283
19									24	275								275
20									23	201	1	4						205
21											9	37	12	69	3	10		116
22											2	10	11	76	11	91		167
23	8	81	9	72											7	52		205
24			23	268	1	7												275
25			18	118	6	36												154
26			1	2	5	26	1	6	10	44	2	7	2	15			3	101
27					5	59	2	21	8	80	9	120						280
28									17	161	7	9						170
29							8	51	14	44							2	97
30									24	106								106
31																		
SUMAS	16	147	114	1025	150	1272	70	675	176	1239	60	402	36	217	29	218	69	5222
% PREVAL POR VELOCIDAD	2.8		19.6		24.4		12.9		23.7		7.7		4.2		4.2		0.5	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	9		9		8		10		7		7		6		8		0.4	174

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1		4	7	1	7	5	2	1	3
1 - 2		5	6	2	8	5		1	3
2 - 3		5	6	2	7	4	2	1	3
3 - 4		5	7	2	7	2	2	1	4
4 - 5		6	6	3	6	2	3	1	3
5 - 6		6	7	1	6	3	1	1	5
6 - 7		5	7	2	6	2	2	1	5
7 - 8	1	5	8	3	6	2	2		3
8 - 9	1	6	5	5	6	3	2		2
9 - 10	2	6	6	5	6	1	2	1	1
10 - 11	5	5	5	4	8	1	1	1	
11 - 12	2	3	5	6	7	1	3	2	1
12 - 13	2	2	6	4	8	3	2	2	1
13 - 14	1	5	6	4	7	3	2	2	
14 - 15	2	4	6	4	8	3	2	1	
15 - 16		3	9	3	8	3	2	1	1
16 - 17		4	8	2	9	4	2		1
17 - 18		6	6	3	8	3		1	3
18 - 19		4	7	3	7	1	1	2	5
19 - 20		4	5	2	8	1		3	7
20 - 21		4	4	2	9			3	8
21 - 22		6	6	2	10	1	1	1	3
22 - 23		6	6	2	8	2	1	1	4
23 - 24		5	6	3	6	5	1	1	3
SUMAS	16	114	150	70	176	60	36	29	69
% de frec. por dirección	2.2	15.8	20.8	9.7	24.4	8.3	5.0	4.0	9.7

NUBES. VISIBILIDAD

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

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9	19.6	16.5	0.25	7	0	5	
	10	38.5	22.7	1.28	6	3	5	
1	12				7	0	4	LL.
	14				8	0	3	LL.
	15				7	0	4	Am.
	9				8	0	2	Z., N.
	10				8	0	2	Z., N.
2	12				8	0	3	Z., N.
	14				8	0	2	LL., N.
	15				8	0	2	Z., Ne.
	9	25.2	10.6	1.19	7	4	5	
	10	11.2	7.2	0.32	7	0	5	
3	12	30.6	15.3	1.24	6	3	5	
	14	18.5	12.4	0.50	7	1	5	
	15	11.8	10.6	0.10	8	0	5	
	9	10.0	7.2	0.23	8	0	3	Ne.
	10	11.6	8.5	0.25	8	0	3	Ne.
4	12	16.6	10.6	0.49	8	0	4	
	14	18.0	11.4	0.54	8	0	4	
	15	14.1	10.0	0.33	7	0	5	
	9	21.5	8.1	1.09	0	5	5	
	10	27.5	12.3	1.24	0	5	5	
5	12	31.6	15.1	1.34	1	5	5	
	14	31.2	16.2	1.22	2	3	5	
	15	27.2	14.7	1.02	5	3	5	
	9	17.3	7.1	0.83	5	4	3	Ne.
	10	27.4	13.2	1.15	4	4	3	Ne.
6	12	32.6	16.9	1.28	1	5	4	
	14	30.7	16.5	1.15	5	3	5	
	15	28.0	15.7	1.00	6	3	5	
	9	14.0	9.4	0.37	8	1	5	
	10	23.5	12.8	0.87	8	2	5	
7	12	25.7	14.6	0.90	8	2	5	
	14	25.0	15.4	0.78	8	4	5	
	15	24.6	15.1	0.77	8	3	5	
	9	14.6	9.6	0.41	8	1	5	
	10	19.7	12.4	0.59	8	1	5	
8	12	20.9	14.4	0.53	8	0	5	
	14	22.3	15.6	0.54	8	2	5	
	15	14.8	13.6	0.10	8	0	5	
	9	13.3	10.4	0.24	8	0	2	N.
	10	14.6	10.9	0.30	8	0	3	Ne.
9	12	20.4	13.7	0.54	8	1	4	
	14	16.7	14.0	0.22	8	0	4	
	15	16.0	13.9	0.17	8	0	4	
	9	18.2	11.1	0.58	7	2	3	Ne.
	10	28.4	15.1	1.08	7	3	5	
10	12	22.0	14.0	0.65	6	3	4	
	14	17.8	14.0	0.31	6	3	5	
	15	14.9	13.0	0.15	8	0	5	
	9	21.7	11.6	0.82	6	3	5	
	10	29.8	14.3	1.26	4	3	5	
11	12	30.2	15.9	1.16	7	3	5	
	14	18.2	12.5	0.46	7	1	5	
	15	13.7	10.9	0.23	7	1	5	
	9	14.0	10.7	0.27	8	0	3	Ne.
	10	20.6	13.8	0.55	7	3	5	
12	12	26.0	16.2	0.80	8	3	5	
	14	22.6	15.6	0.57	8	0	4	
	15	15.0	13.0	0.16	8	0	4	
	9				8	0	3	Z., Ne.
	10				8	0	3	Z., Ne.
13	12				8	0	3	Z., Ne.
	14	18.2	15.2	0.24	8	0	4	Ne.
	15	16.6	14.5	0.17	8	0	3	Ne.
	9	15.7	12.0	0.30	8	0	3	Ne.
	10	20.4	14.2	0.50	7	2	5	
14	12	17.6	14.6	0.24	8	0	5	
	14	19.9	15.4	0.36	7	0	5	
	15	17.3	14.3	0.24	8	0	5	
	9				8	0	2	Z., Ne.
	10				8	0	2	Z., Ne.
15	12				8	0	3	Z., Ne.
	14				8	0	3	Am., Ne.
	15				8	0	3	Am., Ne.
	9	13.6	11.9	0.14	8	0	5	
	10	16.3	13.0	0.27	8	0	5	
16	12	16.6	13.6	0.24	8	0	5	
	14	17.9	13.0	0.40	8	0	3	Ne.
	15	15.4	13.4	0.16	8	0	3	Ne.
	9				8	0	5	Am.
	10				8	0	4	LL.
17	12				8	0	4	LL.
	14				8	0	4	LL.
	15				8	0	4	LL.
	9	14.2	12.1	0.17	8	0	3	Ne.
	10	16.2	13.2	0.24	8	0	3	Ne.
18	12	22.3	15.9	0.52	6	1	4	
	14	19.0	15.3	0.30	6	0	5	
	15	16.2	14.5	0.14	6	0	5	
	9	13.6	10.8	0.23	7	0	5	
	10	15.6	12.0	0.29	7	0	5	
19	12	32.1	18.2	1.13	5	3	5	
	14	28.9	18.1	0.88	7	3	5	
	15	32.1	20.6	0.93	6	4	5	
	9				8	0	3	Z., Ne.
	10				8	0	3	Z., Ne.
20	12	18.7	14.1	0.37	8	0	5	
	14	17.1	14.5	0.21	8	0	5	
	15	22.7	16.2	0.53	6	2	5	
	9	16.1	11.9	0.34	8	1	5	
	10	13.9	11.9	0.16	7	0	5	
21	12	17.7	13.9	0.31	8	0	5	
	14	17.4	14.5	0.24	8	0	5	
	15	15.8	14.0	0.15	8	0	5	
	9	9.6	8.0	0.13	8	0	5	
	10	21.1	12.4	0.71	7	2	5	
22	12	33.2	17.9	1.24	6	3	5	
	14	30.9	17.4	1.10	3	3	5	
	15	29.2	16.4	1.04	1	5	5	
	9				8	0	0	Niebla
	10	13.2	9.2	0.32	8	0	1	N.
23	12	20.2	13.3	0.56	7	1	5	
	14	32.0	18.0	1.14	8	5	5	
	15	31.1	18.4	1.03	7	4	5	
	9	27.4	14.4	1.06	6	4	5	
	10	29.2	15.4	1.12	6	4	5	
24	12	34.8	20.2	1.19	7	4	5	
	14	35.2	21.3	1.13	6	4	5	
	15	28.6	19.2	0.76	5	4	5	
	9	17.7	15.2	0.20	7	0	5	
	10	22.2	17.4	0.39	7	0	5	
25	12				7	0	5	Am.
	14	24.5	18.7	0.47	7	3	5	
	15	31.8	21.7	0.82	6	3	5	
	9	19.5	17.5	0.16	6	0	3	Ne.
	10	20.5	18.0	0.20	8	0	2	N.
26	12	20.1	18.4	0.14	8	0	2	N.
	14	20.3	18.8	0.12	8	0	3	Ne.
	15				8	0	2	Z., Ne.
	9				8	0	5	LL.
	10	18.8	13.5	0.43	7	0	5	
27	12				8	0	5	Am.
	14				8	0	3	Z.
	15				8	0	5	Z.
	9	23.0	10.0	1.06	0	5	5	
	10	23.6	11.5	0.98	3	3	5	
28	12	32.1	16.0	1.31	4	3	5	
	14	26.7	14.2	1.02	4	3	5	
	15	22.5	13.0	0.77	5	3	5	
	9	11.7	4.2	0.61	8	4	5	
	10	21.2	8.7	1.02	7	4	5	
29	12	25.7	12.6	1.06	6	4	5	
	14	22.0	12.0	0.81	8	2	5	
	15	22.3	12.2	0.82	7	3	5	
	9	6.2	3.2	0.24	8	1	5	
	10	8.7	4.8	0.32	8	0	5	
30	12	13.4	7.6	0.47	8	0	5	
	14	18.2	9.7	0.69	8	1	5	
	15	15.4	8.9	0.53	8	2	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	N.EFECTIVA	N.TEÓR.ASTRON	N.RELATIVA
1				0.3	0.3	0.3									0.9	9.9	09
2															0.0	9.9	00
3			0.5	1.0	0.5	0.1	1.0	0.8							3.9	9.9	39
4										0.2	0.5				0.7	9.9	07
5			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			9.0	9.9	90
6				0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1			7.8	9.9	79
7					0.3	0.5	0.3	0.9	0.9	0.5	0.6				4.0	9.8	41
8															0.0	9.8	00
9						0.1		0.8	0.4						1.3	9.8	13
10			0.2		0.3	1.0	1.0	0.9	0.4	0.1					3.9	9.8	40
11				0.4	0.8	1.0	1.0	1.0	0.1						4.3	9.8	44
12						0.2	0.1	0.6	0.7						1.6	9.8	16
13															0.0	9.8	00
14					0.5	0.9	0.4								1.8	9.8	18
15															0.0	9.8	00
16															0.0	9.8	00
17															0.0	9.8	00
18															0.0	9.8	00
19							0.7	1.0	1.0	1.0	0.6				4.3	9.8	44
20										0.3	0.3				0.6	9.8	06
21				0.5											0.5	9.8	05
22					0.1	0.8	1.0	1.0	1.0	1.0	1.0	0.5			6.4	9.8	65
23								1.0	1.0	1.0	0.8	0.1			3.9	9.8	40
24			0.3	1.0	1.0	1.0	1.0	1.0	0.6	1.0	1.0	0.5			8.4	9.8	86
25					0.4			0.4	0.6	0.9	0.5				2.8	9.8	29
26															0.0	9.8	00
27					0.1						0.1				0.2	9.8	02
28				1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.1			7.8	9.8	80
29					0.5	1.0	1.0	0.4	0.5	1.0	0.6				4.0	9.8	41
30								0.1	0.3	0.1	0.3	0.1			0.9	9.8	09
31																	
Medias			0.0	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.1			2.6	9.8	27

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	13.4	15.6	15.6	13.4	14.6	14.8	11.6	12.0	12.4	12.0	12.2	12.6	-	-	-
2	14.6	14.7	13.6	14.3	14.3	12.3	12.3	12.3	12.3	12.9	13.1	12.5	-	-	-
3	11.2	12.4	12.4	12.0	12.5	12.0	11.0	10.7	11.0	12.0	11.8	11.8	-	-	-
4	11.2	11.9	11.8	11.4	10.2	10.2	10.5	10.4	10.4	11.3	11.4	11.3	-	-	-
5	9.2	11.5	10.5	10.1	11.1	11.1	9.7	9.8	9.9	10.9	11.0	11.1	-	-	-
6	8.7	11.4	10.4	9.3	10.6	10.8	9.1	9.0	9.4	10.4	10.2	10.3	-	-	-
7	8.4	11.0	10.5	9.7	10.5	10.7	8.6	8.8	9.2	9.8	9.8	10.0	-	-	-
8	10.0	11.8	11.8	10.1	10.9	11.4	9.0	9.2	9.6	10.4	10.0	9.8	-	-	-
9	11.6	12.6	12.5	11.2	11.9	12.1	9.5	9.8	10.2	10.0	10.5	10.6	-	-	-
10	11.2	12.5	12.2	11.3	12.1	12.1	10.1	10.1	10.3	10.7	10.5	10.8	-	-	-
11	11.0	12.0	11.9	11.3	11.9	11.8	10.0	10.0	10.2	10.7	10.7	10.8	-	-	-
12	11.3	12.6	12.6	11.3	12.0	12.3	9.8	10.0	10.3	10.4	10.6	10.7	-	-	-
13	12.8	13.3	13.7	12.4	12.7	13.1	10.3	10.7	11.0	10.8	11.1	11.3	-	-	-
14	12.7	14.0	13.7	12.6	13.4	12.3	11.2	11.4	11.4	11.4	11.7	11.7	-	-	-
15	13.2	13.3	13.4	13.0	13.2	13.1	11.0	11.0	11.3	11.6	11.6	11.5	-	-	-
16	12.8	13.2	13.2	12.8	13.0	12.9	11.4	11.2	11.2	11.9	11.8	11.7	-	-	-
17	12.5	12.6	12.6	12.5	12.6	12.4	10.6	10.8	10.8	11.4	11.4	11.2	-	-	-
18	12.7	13.4	13.2	12.4	12.9	12.8	10.7	10.8	10.9	11.3	11.4	11.4	-	-	-
19	12.0	12.3	13.3	12.1	12.7	12.9	10.7	10.7	11.1	11.5	11.3	11.3	-	-	-
20	12.7	13.3	13.4	12.5	12.9	13.1	10.8	11.1	11.2	11.2	11.4	11.4	-	-	-
21	12.8	13.6	11.5	12.7	13.2	13.2	11.0	11.0	11.2	11.3	11.5	11.4	-	-	-
22	11.9	13.8	12.4	11.1	12.9	12.6	10.8	10.9	11.2	11.5	11.5	11.5	-	-	-
23	11.5	13.0	12.6	11.6	12.2	12.4	10.0	10.0	10.6	11.0	11.0	11.1	-	-	-
24	11.4	13.2	13.2	11.4	12.3	12.6	10.4	10.6	10.7	11.1	11.2	11.2	-	-	-
25	12.7	13.8	14.5	12.4	13.0	13.8	10.9	10.6	11.4	11.4	11.2	11.5	-	-	-
26	13.8	15.3	15.5	13.5	14.6	14.6	11.1	11.8	12.6	11.6	11.8	12.3	-	-	-
27	14.2	14.4	13.8	14.0	14.1	13.0	12.0	12.0	11.8	12.2	12.3	12.0	-	-	-
28	11.7	12.8	11.8	11.9	12.4	12.1	11.1	10.9	10.6	12.0	11.7	10.6	-	-	-
29	9.0	10.8	10.8	9.7	10.6	10.6	9.4	9.0	9.0	10.6	10.0	10.4	-	-	-
30	9.4	10.8	9.8	9.8	10.1	9.9	9.2	9.7	9.7	10.2	10.0	9.6	-	-	-
31															
Prom.	11.7	12.9	12.6	11.8	12.4	12.3	10.4	10.5	10.8	11.2	11.2	11.2	-	-	-

LLUVIA, ESTADO DEL SUELO, ETC...

DÍAS	LLUVIA				ESTADO DEL SUELO	EVAPORACIÓN				GEOHIDROMETRÍA en ⁄						Preatí-metro
	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	1.5	1.7	1.3	0.7	0	0.5	0.4	0.1	0.7							11122
2	19.7	20.1	19.3	18.8	2	0.2	0.1	0.4	0.6							11115
3					2	0.1	0.4	0.3	0.9							11084
4					2	0.2	0.2	0.3	0.6							11005
5					2	0.1	0.4	0.4	0.8							11005
6					1	0.0	0.7	0.6	1.6	E.16	20.8	18.8	18.8			11003
7					1	0.3	1.0	0.7	2.6							11004
8	0.2	0.5	0.0	0.0	1	0.9	0.2	0.2	0.4							11006
9					1	0.0	0.2	0.4	0.7							11093
10					0	0.1	0.6	0.6	1.3							11095
11					0	0.1	0.7	0.3	1.4	E.17	20.5	20.8	21.3			11001
12	0.0	0.4	0.0	0.0	0	0.4	0.5	0.2	0.9							11001
13	0.0	0.0	0.0	0.0	1	0.2	0.1	0.1	0.5							11001
14					0	0.3	0.2	0.4	0.7							11009
15	3.9	4.1	3.6	1.5	1	0.1	0.2	0.0	0.3							11098
16					2	0.1	0.4	0.4	1.4	E.18	22.5	20.8	22.6			11098
17	23.9	23.9	23.5	19.1	1	0.6	0.3	0.1	0.7							11095
18					2	0.3	0.3	0.4	1.2							11093
19	1.0	1.1	1.1	0.9	2	0.5	0.5	0.7	1.6							11081
20	0.0	0.2	0.0	0.0	2	0.4	0.2	0.0	0.3							11076
21	0.0	0.0	0.0	0.0	2	0.1	0.2	0.2	0.4	E.19	23.6	21.2	23.8	21.0	15.6	11076
22					2	0.0	0.5	0.3	0.8							11076
23					2	0.0	0.2	0.5	0.9							11074
24					1	0.2	0.9	0.7	2.1							11071
25	38.1	41.6	34.8	29.1	1	0.5	0.5	0.3	0.8							11070
26	81.5	87.8	78.8	75.3	2	0.0	0.0	0.0	0.1							11505
27	3.5	4.2	3.5	2.8	2	0.1	0.1	0.1	0.7							10919
28					2	0.5	0.5	0.4	1.5	E.20	22.7	20.0	22.6			10577
29					2	0.6	0.1	0.4	0.9							10772
30					2	0.4	0.4	0.4	1.1							10672
31																
Prom.	173.3	185.6	165.9	148.2	-	0.3	0.4	0.3	1.0	-	-	-	-	-	-	10996

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	16.3	16.3	18.6	-	8.1	Cn. m. t. y n., Ne. m, LL.Z. m, CH.R. t, N. n.
-	-	-	16.3	16.3	16.1	18.6	-	8.9	Cn. m. t. y n, N.m. y t, Z.m.t.y n, LL. Ru. Tv. t.
-	-	-	16.0	16.0	16.0	18.5	-	0.1	Ca. m. y n., Cn. t.
-	-	-	16.0	16.0	15.9	18.6	-	1.8	Cn. m. t. y n., Ne. m. y t.
-	-	-	15.7	15.8	15.7	18.4	-	- 2.0	Ca. m. t. y n., N. n., h. m., r. n.
-	-	-	15.5	15.4	15.5	18.4	-	- 1.6	Cn. m. t. y n., Ns. m., Ne. m. y n., h. m.
-	-	-	15.6	15.5	15.5	18.4	-	- 1.2	Cn. m. t. y n., Ne. m., h. m.
-	-	-	15.3	15.1	15.1	18.4	-	3.5	Ca. m., Cn. t. y n., r. m., Z. t. y n, Ne.N. n.
-	-	-	15.1	15.1	15.2	18.3	-	5.6	Cn. m. t. y n., N. Ne. m.
-	-	-	14.9	15.0	15.0	18.3	-	2.4	Cn. m. t. y n., Ne. m.
-	-	-	15.0	15.1	15.0	18.2	-	4.7	Cn. m. t. y n., r. m., LL. Ne. n.
-	-	-	15.0	15.0	15.0	18.1	-	6.1	Cn. m. t. y n., Ne. m. y n., Z. n.
-	-	-	15.0	15.0	15.0	18.0	-	11.5	Cn. m. t. y n., Z. m. y t., Ne. m. t. y n.
-	-	-	15.1	15.1	15.0	18.0	-	4.7	Cn. m. t. y n., Ne. m.
-	-	-	15.1	15.1	15.0	18.0	-	11.1	Cn. m. t. y n., N. m., Ne. t. y n., Z. m. y n.
-	-	-	15.0	15.1	15.1	17.8	-	10.3	Cn. m. t. y n., Ne. m. t. y n., Z. m.
-	-	-	15.1	15.1	15.0	17.8	-	9.4	Cn. m. t. y n., CH. m., LL. m. t. y n, Ru. t.
-	-	-	15.1	15.0	15.0	17.7	-	10.3	Cn. m. t. y n., LL. m., Ne. m.
-	-	-	15.0	15.1	15.0	17.7	-	6.3	Cn. m. t. y n.
-	-	-	15.0	15.0	15.0	17.6	-	9.9	Cn. m. t. y n., Ne. m., Z. m. y n., Dl. n.
-	-	-	15.0	15.1	15.1	17.5	-	9.1	Cn. m. t. y n., Ne. m., Z. t.
-	-	-	15.0	15.1	15.0	17.4	-	1.4	Cn. m., Ca. t. y n., r. m. y n.
-	-	-	15.0	15.1	15.0	17.4	-	1.2	Cn. m. y t., Ca. n., N. Ne. m., r. n.
-	-	-	14.9	15.0	15.0	17.4	-	4.4	Cn. m. y t., Ca. n., r. m. y n.
-	-	-	15.0	15.0	15.0	17.4	-	8.8	Cn. m. y t., Ca. n., CH. t.
-	-	-	15.0	15.0	15.0	17.3	-	12.6	Cn. m. t. y n, Ru.LL.G. m., N.Ne. m, LL. t. y n.
-	-	-	14.9	14.8	14.8	17.3	-	12.1	Cn. m. t. y n., Ru. LL. m., LL. t. y n.
-	-	-	14.8	14.9	14.8	15.5	-	1.3	Ca. m. y n., Cn. t., r. m. y n.
-	-	-	14.6	14.7	14.6	16.1	-	- 3.4	Cn. m. t. y n., h. m.
-	-	-	14.5	14.5	14.4	16.4	-	- 0.2	Cn. m. t. y n., r. m.
-	-	-	15.2	15.2	15.2	17.8	-	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	60.8	68.2	5,6	24;0,1	47.3	2	18	9.2	13.2	5.2	19.4	1	13	- 0.3	6	7	3.2	9.9	32
2ª	61.1	65.8	11	0	56.7	20	22-23	11.6	13.6	9.9	15.4	19	14-15	7.3	11	7-8	1.3	9.8	13
3ª	60.9	68.0	28, 29	24;0,1	53.2	27	8	10.2	14.1	6.6	19.1	25	15	- 0.3	29	6,7	3.5	9.8	36
MES	61.0	68.2	5,6	24;0,1	47.3	2	18	10.3	13.6	7.2	19.4	1	13	- 0.3	6, 29	7;6,7	2.6	9.8	27

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	89	100	varios	52	6	7.7	15.5	4.0	NE	10	72	2	31	2	17-18	84	SW	2	16.47	22.3	20.1	2	14.0	2	16.30-17.30
2ª	92	100	varios	69	14	9.2	11.5	6.6	E	9	60	17	22	17	18-19	46	SE	17	16.50	29.7	23.9	17	-	-	-
3ª	90	100	varios	61	24	8.4	15.0	4.0	NE	9	48	22,24, 27	21	27	18-19	68	W	26	2.12	133.6	87.8	26	20.0	26	5-6
MES	90	100	varios	52	6	8.4	15.5	4.0	E	8	72	2	31	2	17-18	84	SW	2	16.47	185.6	87.8	26	20.0	26	5-6

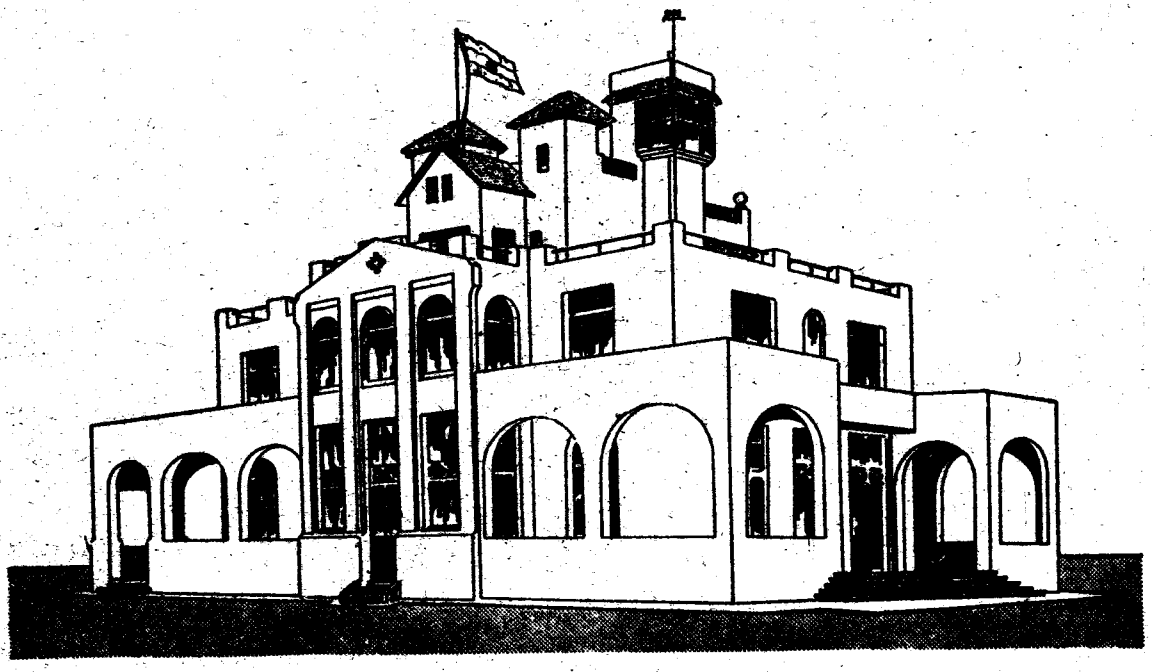
FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACIÓN							VIENTO - TORM. ELÉCT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1ª	-	-	8	5	-	-	-	3	2	-	-	-	-	-	1	1	1
2ª	-	-	9	1	-	-	-	6	4	-	-	-	-	-	1	1	-
3ª	-	-	3	3	-	-	-	3	1	-	-	-	1	-	1	1	-
MES	-	-	20	9	-	-	-	12	7	-	-	-	1	-	3	3	1

DÉCADA	FENÓMENOS DE SUPERFICIE					FENÓMENOS ÓPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Congelada blanda	Congelada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	0°	25°	35°
1ª	2	-	-	-	-	-	-	-	-	-	-	1	7	1	-	-
2ª	1	-	-	-	-	-	1	-	-	-	-	-	10	-	-	-
3ª	6	1	-	-	-	-	-	-	-	-	-	-	3	1	-	-
MES	9	1	-	-	-	-	1	-	-	-	-	1	20	2	-	-

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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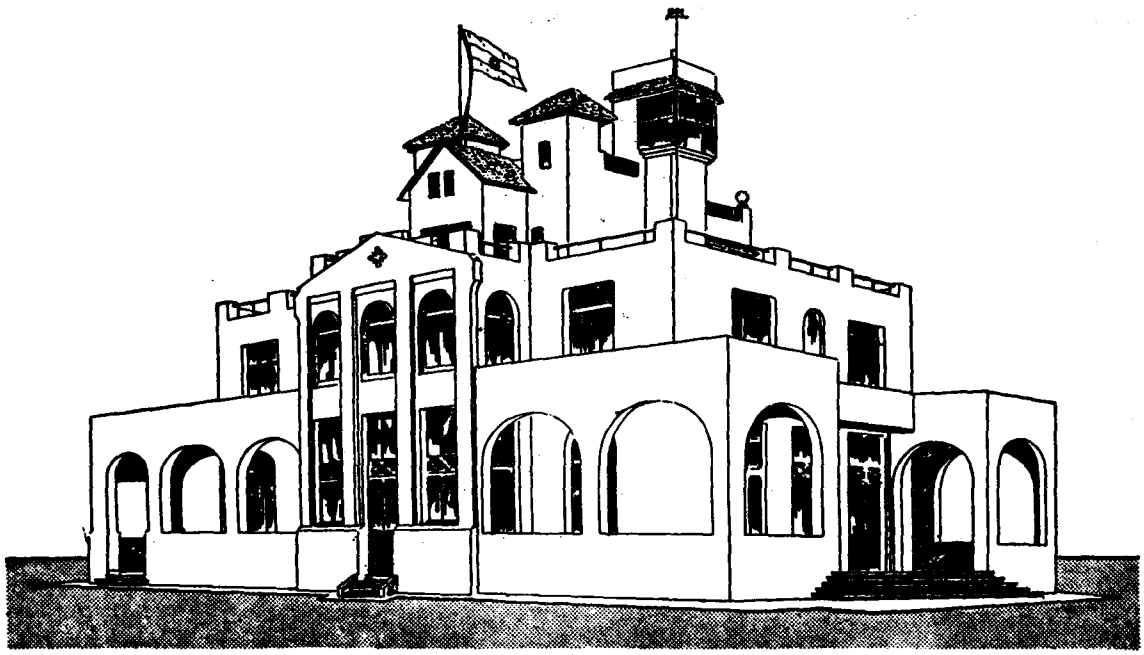
OBSERVATORIO DE FISICA COSMICA

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. IX JULIO 1954 Nº 7

RESUMEN MENSUAL

La masa de aire polar, llegada en los últimos días de Junio, provoca el período más frío del año a principios de Julio. La mínima registra diariamente temperaturas por debajo del punto de congelación; el día 4 alcanza a -3.9°C, mínima mensual y anual. Conjuntamente se observa también el mínimo mensual de la tensión del vapor con 3.2mmHg. La presión atmosférica acusa a su vez el valor máximo el día 2 con 771.1 mmHg, al desplazarse el centro del anticiclón frío desde la Provincia de Buenos Aires hacia el Atlántico. En la noche del día 5 al cambiar el viento hacia el NE, la temperatura sube pronunciadamente, desarrollándose una típica situación de sudestada invernal que se mantiene hasta el fín de la década. El cielo se cubre durante 5 días, registrándose lluvias ligeras, lloviznas y nieblas. Durante toda la década la presión desciende casi contínuamente hasta alcanzar el nivel mínimo (751.5 mmHg) en la mañana del día 10, lo que representa una caída total de casi 20 mmHg.

Al principio de la segunda década se hace notar un nuevo empuje de aire frío ocasionando en los días siguientes un tiempo típicamente invernal. El cielo está parcialmente nublado y la temperatura y humedad varían dentro de los límites normales para esta altura del año. Entre el 17 y 18 llega al Río de la Plata otro empuje de aire frío y muy seco; durante una semana reina tiempo bueno con cielo despejado. La humedad relativa registra en estos días los valores mínimos mensuales con 37%, mientras la temperatura se caracteriza por una variación muy grande, con mínimas diarias de alrededor de 0°C y máximas de 13 - 15°C.

Termina este tiempo anticiclonal el 25 por el desplazamiento del centro de alta presión hacia el Atlántico con lo que se establece una corriente del Norte que se intensifica hacia el fín del mes. Como consecuencia aumentan nubosidad, humedad y sobre todo la temperatura. El mínimo diario que descendió el 26 hasta -0.6°C, marca 15.9°C tres días después; la máxima sube el último día del mes hasta 24.0°C. Los promedios diarios de estos 2 últimos días son tan altos, que corresponden mas bien a condiciones propias del mes de noviembre. En esta masa de aire de origen tropical se producen también las únicas lluvias de consideración de este mes.

En los promedios mensuales se presentan equilibrados en gran parte los grandes contrastes reinantes entre el principio y el fín del mes. Destácanse sin embargo el predominio de las masas de aire polar frío y seco acusando desviaciones negativas, aunque relativamente pequeñas: la temperatura con 0.7°C, la humedad absoluta y relativa con 0.7 mmHg y 3% respectivamente y la nubosidad con 0.5 del cielo. A su vez, y por las mismas causas, exceden su término medio: la presión atmosférica en 0.2 mmHg, la heliofanía efectiva y relativa en 0.2 horas y 3% respectivamente. Sólo la lluvia acusa una marcada desviación puesto que sólo se registró la mitad de lo normal para 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	69	83	69	69	97	138	110	124	138	152	145	117	104	97	97
2	104	138	152	152	159	138	124	166	220	220	166	138	131	134	83
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	200	226	220	193	166	179	172
5	90	83	90	104	104	124	110	124	213	159	131	138	124	131	166
6	97	97	97	97	104	117	124	124	104	48	110	110	124	62	110
7	220	179	131	124	124	131	138	200	226	213	259	233	193	179	193
8	131	138	145	193	186	138	138	138	166	97	41	97	166	159	138
9	172	233	297	284	207	316	291	207	272	246	226	172	138	179	172
10	272	316	402	483	460	420	252	97	159	166	76	90	55	83	41
11	104	117	104	76	69	76	69	69	131	159	172	193	179	138	145
12	97	97	110	193	207	272	333	408	449	385	304	345	220	220	239
13	186	166	131	172	186	213	220	145	159	213	193	166	186	193	179
14	124	104	90	90	90	117	124	138	179	193	117	76	104	97	97
15	-	-	-	-	-	-	-	-	172	110	124	110	104	104	138
16	172	138	152	110	124	110	104	179	186	172	186	179	172	138	145
17	172	226	193	152	179	220	207	233	213	186	131	104	110	76	97
18	76	76	76	69	83	83	104	138	179	259	252	239	200	179	200
19	166	117	117	124	124	179	207	246	252	186	145	124	117	124	131
20	117	76	83	117	83	69	97	124	172	97	138	117	104	110	97
21	110	117	110	124	138	145	145	246	246	193	374	252	193	138	110
22	117	41	83	159	-110	200	200	110	131	297	220	246	233	239	186
23	138	124	124	117	124	124	152	159	166	207	131	48	28	83	76
24	62	83	90	90	97	90	110	166	207	213	207	186	179	213	152
25	104	90	117	117	97	124	179	41	104	124	104	110	104	104	110
26	76	90	76	90	90	83	97	110	179	220	213	166	124	138	138
27	246	368	272	226	408	322	374	200	265	259	259	259	259	233	259
28	110	110	83	62	76	138	138	131	83	239	220	233	226	246	278
29	239	291	328	368	220	333	252	239	83	291	278	246	220	110	152
30	-	-	76	90	90	97	90	90	110	145	152	138	145	186	117
31	200	186	166	124	117	138	131	124	207	166	110	90	124	138	131
Prom.	147.0	151.4	149.3	153.8	161.0	173.0	174.2	166.3	200.4	184.2	174.4	159.2	145.0	138.2	141.8

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	0.85	0.76	1.61	1.12	631	501	1132	1.26	0.94	1.06
2	0.73	0.58	1.31	1.26	474	330	804	1.43	1.08	1.23
3	0.80	0.65	1.45	1.23	492	343	835	1.42	1.14	1.33
4	0.52	0.52	1.04	1.00	391	265	656	1.47	0.93	1.37
5	0.84	0.79	1.63	1.06	778	565	1343	1.38	0.76	0.98
6	0.61	0.63	1.24	0.97	887	562	1449	1.58	0.48	0.78
7	0.60	0.68	1.28	0.88	255	583	838	0.44	1.65	0.82
8	0.25	0.28	0.53	0.89	167	191	358	0.87	1.04	1.02
9	0.27	0.38	0.65	0.71	-	203	-	-	-	1.31
10	0.66	0.73	1.39	0.90	486	374	860	1.30	0.95	1.37
11	0.61	0.48	1.09	1.27	566	538	1104	1.05	0.75	0.62
12	0.52	0.44	0.96	1.18	275	225	500	1.22	1.32	1.37
13	0.52	0.58	1.10	0.90	290	276	566	1.05	1.26	1.47
14	0.57	0.65	1.22	0.88	420	433	853	0.97	0.95	1.05
15	0.61	0.72	1.33	0.85	358	229	587	1.56	1.19	2.20
16	0.43	0.47	0.90	0.91	336	320	656	1.05	0.89	1.03
17	0.39	0.42	0.81	0.93	377	242	619	1.56	0.72	1.21
18	0.63	0.56	1.19	1.12	500	352	852	1.42	0.88	1.11
19	0.59	0.54	1.13	1.09	494	449	943	1.10	0.84	0.84
20	0.70	0.66	1.36	1.06	672	528	1200	1.27	0.73	0.87
21	0.49	0.43	0.92	1.14	546	383	929	1.43	0.63	0.79
22	0.36	0.40	0.76	0.90	383	364	747	1.05	0.66	0.77
23	0.46	0.47	0.93	0.98	573	598	1171	0.96	0.56	0.68
24	0.43	0.44	0.87	0.98	458	400	858	1.14	0.66	0.77
25	0.59	0.53	1.12	1.11	476	484	960	0.98	0.87	0.77
26	0.37	0.38	0.75	0.97	461	396	857	1.16	0.56	0.67
27	0.29	0.31	0.60	0.94	296	236	532	1.25	0.58	0.92
28	0.22	0.29	0.51	0.76	235	244	479	0.96	0.65	0.83
29	0.23	0.25	0.48	0.92	-	256	-	-	-	0.68
30	0.32	0.37	0.69	0.86	223	279	502	0.80	1.00	0.93
31	0.39	0.45	0.84	0.87	265	219	484	1.21	1.03	1.43
Prom.	0.51	0.51	1.02	1.00	446	364	810	1.22	0.80	0.98

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
- 90	90	97	131	104	104	110	104	124	106.8	193	55	138	0
104	110	131	166	138	97	-	-	-		246	55	191	0*
-	-	-	-	-	-	-	-	-		-	-	-	-
179	138	207	322	380	69	233	124	138		506	-181	687	1*
- 186	252	252	252	252	166	138	131	110	151.2	322	34	288	0
- 166	193	316	233	272	207	239	239	226	150.7	380	- 14	394	1
278	339	437	460	226	159	117	110	131	208.3	600	55	545	0
97	159	179	226	310	252	345	310	220	173.7	576	- 69	645	1
117	104	104	83	83	97	97	152	200	185.4	495	21	474	0
- 41	104	83	83	76	104	90	69	104	171.9	699	00	699	0
- 138	131	138	159	166	138	124	117	110	125.9	213	28	185	0
233	220	207	207	207	152	124	152	166	231.1	483	34	449	0
226	220	179	48	48	97	117	104	131	161.6	368	- 55	423	1
104	90	76	55	-	-	-	-	-		350	- 14	364	1*
- 193	-	-	-	200	207	200	233	207		297	21	276	0*
- 159	226	213	207	233	239	179	193	200	171.5	345	69	276	0
97	124	179	179	172	166	131	110	83	155.8	304	- 28	332	1
213	357	304	345	345	454	322	284	213	210.4	600	55	545	0
159	252	374	350	246	284	124	117	152	184.0	535	90	445	0
- 104	145	152	166	104	110	104	90	69	110.2	220	28	192	0
- 110	110	110	166	200	179	193	179	145	168.0	541	28	513	0
207	207	226	265	304	233	166	145	145		518	-224	742	2
90	110	131	159	117	104	104	97	76	116.2	291	-152	443	1
145	97	-	-	-	-	97	152	138		297	-166	463	1*
- 117	200	246	239	220	193	124	110	83	131.7	593	- 62	655	1
- 166	166	186	83	-	-	-	117	83		322	-253	575	1*
304	297	220	200	179	272	297	172	90	260.0	634	00	634	0
252	97	21	∞	± ∞	-	-	152	166		∞	- ∞	-	3*
186	207	± ∞	± ∞	-	-	-	-	-		∞	- ∞	-	3*
104	117	124	226	265	110	138	152	200		414	-166	580	1*
- 117	97	55	83	62	83	69	145	62	121.9	339	-470	809	1
152.1	186.5	198.8	198.8	181.1	178.0	157.4	149.2	134.8	164.8				

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^-		
3550	4081	7631	0.87	5.73	11,750
5386	5385	10771	1.00	-	15,250
5307	5794	11101	0.92	-	13,000
11521	12094	23615	-	-	52,000
3851	4521	8372	0.85	8.22	17,750
6250	6832	13082	0.91	6.22	27,750
9411	9235	18646	1.02	8.88	-
13003	13558	26561	0.96	3.07	57,750
14578	15260	29838	0.96	4.02	-
6842	6934	13776	0.99	7.97	17,250
3177	3589	6766	0.88	4.57	56,000
11327	11347	22674	1.00	7.40	94,000
12810	13298	26108	0.96	5.92	68,750
5215	5993	11208	0.87	-	30,250
3861	4473	8334	0.86	-	7,250
6316	6904	13220	0.91	5.14	-
6766	6769	13535	1.00	4.20	3,250
8886	9710	18596	0.91	8.03	12,500
6399	6730	13129	0.95	6.95	8,250
4561	4787	9348	0.95	4.98	13,000
9010	9417	18427	0.95	5.16	30,000
10846	12610	23456	0.86	-	-
5531	6017	11548	0.92	3.61	6,250
11709	12461	23170	0.94	-	29,750
9117	9271	18388	0.98	4.93	12,750
11138	11712	22850	0.95	-	11,000
16935	16461	33396	1.03	5.20	35,000
10603	12027	22630	0.88	-	-
10430	9946	20376	1.05	-	-
6007	7774	13781	0.77	-	-
10056	10850	20906	0.93	3.41	-
8388	8982	17370	0.93	5.68	26,978

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

MES \ 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	0.83	0.84	0.73	0.90	1.01	1.15	0.93	0.87	0.81	0.67	0.78
2	0.91	0.55	0.66	0.65	0.68	0.72	1.15	0.45	0.68	0.51	0.56	0.54
3	0.67	0.54	0.52	0.61	0.58	0.68	1.26	-	-	-	0.56	0.67
4	1.41	-	-	-	-	-	-	-	0.50	0.63	0.68	0.55
5	0.89	1.10	0.76	0.96	0.83	0.84	0.89	0.83	0.68	0.86	0.91	0.88
6	1.17	1.12	1.03	1.06	1.00	0.99	0.92	0.43	0.60	0.43	0.46	0.51
7	-	-	-	-	-	-	-	0.72	0.65	0.62	0.69	0.63
8	-	-	-	-	-	-	-	-	0.31	0.28	0.22	0.26
9	0.1'	0.20	0.22	0.24	0.25	0.32	0.36	0.40	-	-	-	-
10	-	-	-	-	-	-	-	-	0.37	0.50	0.51	0.48
11	-	-	-	-	-	-	-	-	-	-	-	-
12	0.72	0.83	0.75	0.56	0.43	0.42	0.37	-	-	-	-	-
13	0.46	0.43	0.48	0.41	0.35	0.40	0.34	0.33	0.55	0.66	0.68	0.62
14	0.56	0.66	0.71	0.38	0.38	0.41	0.45	0.56	0.57	0.63	0.55	0.60
15	0.49	0.69	0.81	0.72	0.52	0.75	-	0.59	-	0.50	0.52	-
16	0.55	0.56	0.72	0.61	-	-	-	-	-	-	-	-
17	0.20	0.25	0.26	0.41	0.33	0.27	0.30	0.26	0.33	0.29	0.23	0.26
18	0.94	0.99	0.94	0.93	1.12	0.87	0.81	0.95	0.79	0.61	0.55	0.61
19	0.48	0.68	0.82	0.64	0.74	0.57	0.37	0.41	0.42	0.54	0.56	0.64
20	0.89	0.68	0.79	0.72	0.69	0.74	0.87	1.17	0.38	0.44	0.57	0.72
21	0.70	0.54	0.54	0.59	0.57	0.61	0.46	0.46	0.37	0.53	0.33	0.36
22	0.38	0.46	0.43	0.20	0.30	0.33	0.30	0.20	0.42	0.33	0.40	0.45
23	0.30	0.52	0.25	0.46	0.19	0.44	0.42	0.31	0.34	0.26	0.42	0.43
24	0.54	0.64	0.55	0.57	0.66	0.83	0.70	0.60	0.33	0.34	0.33	0.34
25	0.52	0.67	0.79	0.64	0.53	0.97	-	-	-	-	-	0.51
26	-	-	-	-	-	-	-	0.59	0.70	0.37	0.42	0.27
27	0.23	0.31	0.16	0.14	0.18	0.25	0.26	0.14	0.14	0.22	0.36	0.35
28	0.23	0.28	0.26	0.26	0.20	-	-	0.24	0.21	0.22	0.19	0.26
29	0.21	0.13	0.17	0.12	0.22	0.22	0.20	0.15	0.24	0.20	0.22	0.30
30	0.35	0.34	0.34	0.28	0.26	0.22	0.25	0.35	0.29	0.34	0.31	0.33
31	0.23	0.31	0.25	0.30	0.28	0.36	0.39	0.47	0.52	0.39	0.48	0.43
Promedio	0.58	0.57	0.56	0.53	0.51	0.57	0.58	0.50	0.47	0.46	0.48	0.49

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

MES \ 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	0.79	0.79	0.56	0.48	0.87	1.33	0.59	0.73	0.68	0.64	0.73
2	0.63	0.64	0.75	0.60	0.49	0.60	0.55	0.32	0.44	0.47	0.49	0.59
3	0.34	0.34	0.34	0.37	0.37	0.58	1.04	-	-	-	0.53	0.73
4	0.48	-	-	-	-	-	-	-	0.40	0.52	0.49	0.54
5	0.84	0.96	0.84	0.82	0.79	0.61	0.78	0.73	0.65	0.88	0.93	0.92
6	1.15	1.07	1.22	1.09	1.12	0.89	0.82	0.60	0.62	0.55	0.55	0.55
7	-	-	-	-	-	-	-	1.00	0.67	0.70	0.72	0.64
8	-	-	-	-	-	-	-	-	0.32	0.31	0.29	0.31
9	0.35	0.37	0.37	0.37	0.37	0.39	0.41	0.41	-	-	-	-
10	-	-	-	-	-	-	-	-	0.36	0.50	0.51	0.54
11	-	-	-	-	-	-	-	-	-	-	-	-
12	0.65	0.61	0.51	0.35	0.32	0.35	0.37	-	-	-	-	-
13	0.47	0.43	0.48	0.43	0.32	0.41	0.39	0.91	0.74	0.77	0.75	0.68
14	0.54	0.56	0.61	0.46	0.47	0.40	0.38	0.60	0.67	0.75	0.80	0.73
15	0.64	0.78	0.84	0.69	0.57	0.72	-	0.70	-	0.61	0.60	-
16	0.65	0.67	0.73	0.74	-	-	-	-	-	-	-	-
17	0.25	0.29	0.27	0.34	0.29	0.27	0.27	0.32	0.27	0.27	0.32	0.38
18	0.96	0.96	0.81	0.86	0.81	0.67	0.62	0.54	0.62	0.49	0.52	0.52
19	0.46	0.55	0.60	0.66	0.53	0.52	0.39	0.38	0.41	0.51	0.57	0.71
20	0.76	0.76	0.93	0.76	0.76	0.97	0.87	1.09	0.41	0.38	0.68	0.81
21	0.64	0.47	0.47	0.44	0.37	0.45	0.36	0.30	0.37	0.51	0.32	0.42
22	0.32	0.43	0.52	0.26	0.39	0.38	0.38	0.39	0.48	0.37	0.45	0.47
23	0.38	0.45	0.27	0.43	0.39	0.44	0.30	0.23	0.36	0.42	0.45	0.53
24	0.59	0.57	0.62	0.59	0.56	0.54	0.55	0.30	0.32	0.30	0.32	0.40
25	0.40	0.50	0.50	0.42	0.64	0.99	-	-	-	-	-	0.60
26	-	-	-	-	-	-	-	0.40	0.67	0.35	0.41	0.33
27	0.28	0.32	0.21	0.18	0.20	0.25	0.20	0.19	0.21	0.25	0.29	0.29
28	0.34	0.35	0.31	0.38	-	-	-	0.27	0.27	0.31	0.27	0.32
29	0.25	0.19	0.20	0.23	0.29	0.27	0.20	0.16	0.27	0.20	0.20	0.16
30	0.35	0.37	0.37	0.30	0.30	0.28	0.32	0.34	0.34	0.37	0.37	0.47
31	0.29	0.33	0.32	0.38	0.30	0.40	0.51	0.46	0.53	0.51	0.56	0.47
Promedio	0.53	0.55	0.56	0.51	0.48	0.53	0.52	0.49	0.46	0.48	0.50	0.53

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	0.89	0.83	0.77	0.83	0.82	0.64	0.86	0.93	0.99	0.78	0.81	0.85
0.70	0.67	0.81	0.96	0.79	0.72	0.70	0.76	0.92	0.99	0.91	0.62	0.73
0.46	0.94	1.12	0.96	0.98	0.94	0.78	0.84	0.57	0.99	1.40	0.81	0.80
0.46	0.48	0.46	0.38	0.41	0.08	0.41	-	-	-	0.26	0.56	0.52
0.73	0.97	0.75	0.71	0.57	0.59	0.63	0.72	0.80	0.92	1.08	1.25	0.84
0.61	0.60	0.52	0.34	0.41	0.33	0.25	0.35	0.29	0.27	0.32	-	0.61
0.66	0.66	0.77	0.65	0.60	0.62	0.60	0.22	0.33	-	-	-	0.60
0.24	0.20	0.22	0.29	0.33	0.34	0.24	0.21	0.20	0.20	0.26	0.26	0.25
-	-	-	-	-	-	-	-	-	-	-	-	0.27
0.65	0.74	0.96	0.60	0.78	1.02	-	-	-	-	-	-	0.66
-	-	-	-	-	-	-	-	-	-	-	0.61	0.61
-	-	-	-	-	-	-	-	-	0.33	0.35	0.43	0.52
0.60	0.64	0.58	0.59	-	0.37	0.59	0.58	0.57	0.49	0.57	0.65	0.52
0.74	0.66	0.80	0.71	0.60	1.05	0.30	0.33	0.53	0.40	0.56	0.55	0.57
-	0.51	0.65	0.59	0.59	0.85	0.56	0.50	0.67	0.53	0.54	0.63	0.61
-	-	-	-	-	-	-	0.23	0.28	0.31	0.34	0.28	0.43
0.39	0.39	0.34	0.29	0.19	0.64	0.33	0.54	0.65	0.68	0.60	0.84	0.39
0.58	0.47	0.57	0.52	0.51	0.35	0.28	0.30	0.36	0.35	0.36	0.37	0.63
0.71	0.60	0.77	0.71	0.58	0.50	0.43	0.63	0.42	0.86	0.62	0.53	0.59
0.68	0.67	0.57	0.68	0.65	0.54	0.46	0.75	0.70	0.75	0.92	0.71	0.70
0.45	0.40	0.44	0.60	0.73	0.63	0.46	0.45	0.39	0.37	0.31	0.45	0.49
0.40	0.30	0.33	0.36	0.48	0.38	0.33	0.29	0.32	0.36	0.48	0.51	0.36
0.51	0.54	0.63	0.74	0.54	0.59	0.40	0.54	0.70	0.57	0.43	0.52	0.46
0.42	0.34	0.33	0.37	0.31	0.27	0.26	0.14	0.22	0.64	0.35	0.40	0.43
0.46	0.51	0.58	0.65	0.53	0.31	-	-	-	-	-	-	0.59
0.42	0.37	0.56	0.34	0.34	0.30	0.23	0.30	0.31	0.27	0.27	0.25	0.37
0.37	0.66	0.80	0.54	0.32	0.42	0.17	0.17	0.17	0.14	0.07	0.31	0.29
0.25	0.21	0.22	0.17	0.13	0.21	0.21	0.17	0.29	0.28	0.16	0.13	0.22
0.16	0.37	0.27	0.28	0.32	0.27	0.30	0.19	0.20	0.08	0.32	0.30	0.23
0.43	0.33	0.49	0.52	0.51	0.25	0.16	-	-	0.24	0.24	0.28	0.32
0.43	0.36	0.34	0.36	0.55	0.50	0.50	0.44	0.43	0.35	0.38	0.39	0.39
0.51	0.54	0.58	0.54	0.52	0.51	0.40	0.44	0.47	0.49	0.50	0.52	0.51

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
0.94	0.97	0.88	0.88	0.93	0.60	0.43	0.72	0.66	0.70	0.97	0.61	0.76
0.68	0.78	0.91	0.67	0.58	0.49	0.47	0.56	0.80	0.70	0.54	0.24	0.58
0.47	0.84	1.04	0.98	1.05	0.99	0.76	0.75	0.35	0.80	0.57	0.47	0.65
0.47	0.45	0.43	0.42	0.49	0.76	0.91	-	-	-	0.42	0.54	0.52
0.75	0.87	0.75	0.65	0.56	0.54	0.55	0.63	0.77	1.00	1.02	1.07	0.79
0.69	0.65	0.47	0.38	0.32	0.29	0.27	0.36	0.29	0.25	0.29	-	0.63
0.68	0.66	0.76	0.70	0.60	0.69	0.64	0.28	0.72	-	-	-	0.68
0.27	0.25	0.29	0.32	0.39	0.27	0.23	0.21	0.23	0.25	0.27	0.27	0.28
-	-	-	-	-	-	-	-	-	-	-	-	0.38
0.82	0.85	1.07	0.88	0.93	0.89	-	-	-	-	-	-	0.73
-	-	-	-	-	-	-	-	-	-	-	0.48	0.48
-	-	-	-	-	-	-	-	-	0.37	0.36	0.44	0.44
0.54	0.49	0.49	0.42	-	0.59	0.71	0.72	0.71	0.62	0.62	0.62	0.58
0.91	0.93	0.95	0.97	0.72	0.85	0.36	0.53	0.56	0.59	0.68	0.60	0.65
-	0.74	0.75	0.86	1.08	0.98	0.60	0.69	0.69	0.59	0.58	0.67	0.72
-	-	-	-	-	-	-	0.25	0.23	0.30	0.34	0.31	0.47
0.51	0.42	0.35	0.36	0.36	0.45	0.62	0.60	0.53	0.68	0.71	0.86	0.42
0.49	0.47	0.61	0.69	0.32	0.36	0.34	0.34	0.32	0.33	0.38	0.36	0.56
0.69	0.62	0.66	0.69	0.51	0.53	0.45	0.45	0.41	0.59	0.59	0.47	0.54
0.67	0.66	0.67	0.62	0.66	0.39	0.31	0.60	0.58	0.62	0.44	0.56	0.66
0.49	0.49	0.53	0.69	0.71	0.51	0.30	0.28	0.37	0.32	0.27	0.28	0.43
0.42	0.38	0.43	0.38	0.48	0.32	0.32	0.21	0.28	0.40	0.47	0.64	0.40
0.64	0.62	0.67	0.73	0.55	0.54	0.42	0.47	0.63	0.51	0.43	0.52	0.47
0.45	0.37	0.37	0.63	0.42	0.34	0.31	0.29	0.27	0.73	0.40	0.41	0.44
0.55	0.56	0.64	0.49	0.37	0.28	-	-	-	-	-	-	0.53
0.46	0.38	0.52	0.38	0.37	0.26	0.28	0.37	0.32	0.30	0.32	0.35	0.38
0.36	0.86	0.69	0.49	0.44	0.40	0.23	0.20	0.25	0.19	0.24	0.34	0.31
0.30	0.25	0.23	0.18	0.25	0.31	0.25	0.46	0.34	0.35	0.18	0.16	0.29
0.21	0.42	0.30	0.29	0.29	0.38	0.32	0.24	0.21	0.17	0.37	0.30	0.25
0.51	0.42	0.58	0.60	0.56	0.27	0.21	0.25	-	0.25	0.27	0.34	0.37
0.47	0.37	0.37	0.36	0.51	0.55	0.53	0.55	0.53	0.53	0.49	0.51	0.45
0.56	0.58	0.61	0.58	0.56	0.51	0.43	0.44	0.46	0.47	0.47	0.48	0.51

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

HORAS / DÍAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	608	521	608	707	521	434	434	434	608	608	868	955
2	434	434	434	347	347	434	434	312	312	312	434	707
3	260	260	260	260	260	260	217	831	718	608	828	955
4	347	434	434	434	260	347	347	347	347	347	521	521
5	-	-	1035	1194	955	955	955	782	868	868	608	608
6	955	1115	955	868	782	707	825	-	-	-	-	-
7	-	-	-	-	-	-	-	-	260	86	174	347
8	174	174	174	174	174	174	174	174	174	174	174	86
9	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	174	347	434	347	347
11	521	434	521	608	521	521	608	707	608	608	608	608
12	521	521	434	260	260	174	174	174	174	174	260	260
13	174	174	260	260	174	174	260	174	174	260	521	707
14	174	260	347	608	521	434	347	260	260	347	434	521
15	434	434	434	434	260	260	260	-	-	-	-	-
16	174	174	260	347	347	347	521	521	260	347	434	434
17	174	174	260	347	260	260	260	260	347	260	260	347
18	782	782	825	782	782	707	608	565	707	521	521	608
19	434	707	434	707	608	521	260	260	347	608	608	608
20	608	521	521	434	521	521	434	434	434	434	608	1035
21	608	521	521	608	521	434	347	347	347	521	434	782
22	434	260	347	260	174	174	174	174	260	521	521	521
23	304	434	521	434	347	434	347	347	434	707	778	608
24	782	782	707	782	707	782	707	521	347	521	707	521
25	260	347	260	347	347	260	304	260	347	347	782	868
26	608	652	868	782	608	521	521	434	347	608	434	521
27	260	260	260	260	347	347	347	260	260	347	521	434
28	260	260	260	260	260	260	86	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	260	174	174	347	174
31	-	-	-	-	-	-	-	434	347	260	260	260
Promedio	429	443	478	500	435	418	398	378	377	423	481	531

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

HORAS / DÍAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	526	451	451	376	312	150	150	226	458	640	1120	1250
2	226	226	226	150	150	226	150	150	75	312	526	827
3	150	150	75	150	75	75	150	150	150	312	494	1120
4	150	150	150	150	150	150	226	451	231	150	150	376
5	-	828	526	526	376	376	451	312	312	752	976	905
6	676	752	752	676	602	526	451	451	526	451	451	526
7	-	-	752	526	312	226	312	312	864	1250	1120	1120
8	226	226	226	226	150	226	226	226	226	150	226	150
9	150	150	150	150	150	75	75	75	75	150	150	226
10	150	150	150	150	75	75	150	75	150	451	312	312
11	312	312	376	602	602	526	676	905	602	526	602	602
12	150	312	150	75	75	75	75	150	150	150	226	226
13	150	150	226	150	150	226	150	150	150	150	527	828
14	150	226	526	312	312	226	150	150	226	226	-	-
15	226	312	376	312	150	75	75	-	-	-	150	226
16	150	150	226	312	312	312	526	376	226	312	376	521
17	150	150	150	150	150	150	150	150	150	150	226	376
18	602	602	676	602	676	526	451	226	376	312	376	376
19	301	526	526	602	376	376	376	312	312	676	752	905
20	526	451	451	312	263	312	312	150	226	312	526	1120
21	451	312	312	226	226	150	150	150	226	451	451	602
22	226	312	150	150	312	226	150	150	226	602	526	526
23	312	451	526	451	312	526	312	376	602	867	902	905
24	752	676	676	602	602	526	376	312	312	526	676	451
25	226	226	150	150	226	150	312	312	376	451	1188	1250
26	526	451	676	602	451	451	312	226	226	150	312	602
27	150	226	226	226	226	312	312	270	226	150	312	226
28	150	150	150	226	150	150	226	150	312	376	226	226
29	150	150	150	226	226	226	150	150	226	75	75	150
30	312	376	376	312	312	312	226	226	226	312	312	312
31	75	150	150	150	150	150	226	150	150	226	312	312
Promedio	286	325	345	318	278	261	259	249	286	387	486	585

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	782	782	782	782	608	434	521	602	521	628	434	631
955	707	608	608	521	434	434	347	521	521	434	347	474
955	707	707	608	521	347	347	347	347	347	434	434	492
434	347	260	260	260	260	347	608	782	-	-	-	391
608	608	608	521	347	434	434	608	782	955	1275	1115	778
-	-	-	-	-	-	-	-	-	-	-	-	887
434	434	434	260	260	260	260	174	174	174	174	174	255
-	-	-	-	-	-	-	-	-	-	-	-	167
-	-	-	-	-	-	-	-	-	-	-	-	-
521	608	521	434	521	521	521	608	707	608	521	521	486
608	782	782	707	707	521	434	347	434	521	434	434	566
347	434	434	347	347	260	174	174	174	174	174	174	275
608	707	608	347	260	174	174	174	174	86	174	174	290
608	608	608	521	347	347	434	434	434	260	521	434	420
434	347	434	434	521	521	260	130	434	347	174	260	358
521	521	434	521	434	260	174	260	174	260	174	174	336
434	434	347	347	347	434	434	434	521	608	707	782	377
521	434	521	434	260	174	174	260	260	260	260	260	500
707	707	707	608	478	260	260	434	303	521	434	347	494
1115	1115	955	868	707	608	521	782	782	707	782	707	672
868	782	782	955	955	608	434	347	347	260	347	434	546
521	608	608	521	521	347	260	260	347	434	434	521	383
434	608	782	782	707	707	521	707	707	608	707	782	573
521	434	347	260	260	260	174	174	174	174	174	174	458
868	955	868	782	608	347	260	260	260	347	434	707	476
521	608	608	521	434	260	174	174	174	260	260	174	461
347	347	260	260	347	347	260	260	174	174	174	260	296
-	-	-	-	-	-	-	-	-	-	-	-	235
-	-	-	-	-	-	-	-	-	-	-	-	-
174	260	-	-	-	-	-	-	-	-	-	-	223
260	260	260	347	347	260	260	260	174	174	174	174	265
588	582	571	521	472	382	326	363	398	388	417	416	446

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
1250	976	905	828	676	226	150	150	226	150	226	150	501
1047	828	676	526	312	220	150	150	150	312	150	150	330
1120	976	905	602	526	150	150	150	150	150	150	150	343
526	451	312	226	226	226	150	226	226	451	602	-	265
976	752	828	602	312	312	226	312	451	602	602	676	565
676	602	526	451	451	-	-	-	-	-	-	-	562
1120	1052	905	526	376	376	376	312	312	226	226	226	583
150	150	226	226	150	150	150	150	226	226	150	150	191
312	226	226	312	312	312	451	312	226	150	226	226	203
451	526	676	526	526	451	526	752	676	602	602	451	374
826	1052	905	676	676	526	376	226	312	226	312	150	538
414	451	451	376	312	376	150	150	226	226	312	150	225
602	754	376	451	150	150	150	226	226	226	150	150	276
-	-	602	752	526	376	676	564	790	676	676	526	433
312	312	312	451	312	226	226	226	150	150	75	150	229
707	608	608	608	226	226	226	150	75	150	150	150	320
376	376	312	312	226	150	150	188	226	312	487	602	242
312	376	376	312	150	150	150	226	150	150	150	150	352
976	828	676	451	226	226	150	150	150	451	312	150	449
1320	1250	1052	905	639	312	150	376	451	376	344	526	528
752	676	976	976	828	312	150	150	150	226	150	150	383
676	752	752	526	376	226	150	150	226	376	451	526	364
676	752	828	905	752	526	451	602	526	451	602	752	598
451	376	312	312	226	226	226	226	226	226	150	150	400
1188	1188	1120	676	451	226	226	150	150	312	312	602	484
676	602	676	602	451	226	312	226	150	150	226	226	396
226	226	226	226	312	312	226	226	150	226	226	226	236
226	226	150	150	226	269	376	-	752	451	312	226	244
226	376	312	312	312	376	602	451	312	376	312	226	256
376	451	451	451	301	188	150	188	150	150	150	75	279
312	312	312	312	312	226	226	226	226	226	226	150	219
639	616	580	502	382	275	261	262	281	299	301	282	364

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	2690	2690	2690	2690	5380	4490	3585	3585	4490	4490	4490
2	-	-	-	-	5380	5380	4490	5380	6295	8060	6295	6295
3	7180	8060	8060	5380	5380	4490	3585	5380	5380	7180	5380	2690
4	6295	7180	6295	5380	5380	6295	7180	10770	12590	7180	6295	3585
5	2690	1795	2690	2690	4490	4490	3585	3585	5380	3585	2690	2690
6	1795	2690	1795	1795	2690	3585	2690	3585	3585	5380	5380	4490
7	10770	6295	3585	3585	2690	4490	7180	7180	6295	6295	7180	8060
8	17950	17950	12590	9860	12590	6295	12590	11690	15250	20350	11690	10770
9	16130	17050	21520	16130	14350	11690	10770	6295	8060	8060	7180	6295
10	25150	23360	24200	23360	13430	9860	7180	3585	3585	2690	2690	1795
11	1795	2690	1795	898	898	1795	1795	2690	3585	2690	3585	3585
12	4490	3585	3585	4490	6295	8060	7180	8950	7180	8950	8060	8950
13	15250	12590	8950	8950	11690	11690	15250	22400	21520	10770	5380	4490
14	8950	6295	3585	3585	4490	7180	8950	8950	8950	8060	5380	5380
15	2690	2690	1795	1795	1795	2690	3585	2690	898	898	3585	2690
16	4490	3585	2690	3585	1795	2690	1795	2690	3585	2690	1795	2690
17	16130	11690	7180	5380	6295	8950	8950	8950	9860	10770	12590	7180
18	2690	3585	3585	3585	3585	3585	3585	4490	6295	7180	7180	6295
19	6295	4490	3585	3585	4490	5380	9860	11690	9860	5380	6295	3585
20	3585	3585	5380	5380	3585	3585	4490	4490	5380	4490	3585	3585
21	3585	5380	5380	4490	6295	7180	7180	7180	11690	9860	13430	8950
22	8950	10770	8060	10770	17050	17050	12590	20700	14350	10770	8950	9860
23	8950	5380	7180	4490	8950	4490	7180	10770	6295	5380	7180	4490
24	4490	4490	4490	4490	4490	4490	4490	6295	8950	7180	8060	6295
25	11690	9860	6295	7180	8060	10770	16130	13430	9860	8060	5380	5380
26	5380	4490	4490	4490	4490	3585	7180	5380	13430	8060	8950	5380
27	26000	23360	21520	17950	15250	16130	18870	25150	34080	14350	5380	7180
28	11690	8060	11690	9860	12590	16130	17050	20350	21520	26000	13430	5380
29	15250	15250	14350	14350	14350	15250	22400	22400	24200	17950	7180	3585
30	2690	898	898	1795	1795	2690	2690	3585	2690	2690	2690	1795
31	17950	17950	16130	11690	9860	12590	17950	9860	5380	5380	4490	2690
Promedio	9121	8258	7535	6789	7005	7352	8480	9165	9663	8091	6510	5180

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	2690	2690	2690	2690	4490	-	4490	5380	3585	5380	-	4490
2	-	-	-	-	2690	6295	8060	5380	-	-	5380	8060
3	7180	11690	8060	5380	6295	5380	5380	5380	6295	1795	4490	3585
4	5380	7180	6295	6295	5380	8060	8950	17050	7180	-	4490	6295
5	3585	3585	2690	3585	4490	4490	3585	4490	5380	3585	3585	3585
6	2690	2690	1795	2690	2690	-	2690	4490	4490	6295	7180	4490
7	10770	5380	3585	4490	3585	5380	5380	8060	5380	6295	10770	6295
8	17950	17050	11690	10770	14350	6295	12590	9860	16130	20350	9860	14350
9	17950	20350	18870	17950	13430	10770	8950	7180	13430	8060	6295	5380
10	25150	25150	25150	20350	-	8950	7180	4490	4490	2690	5380	1795
11	2690	2690	1795	3585	3585	2690	2690	2690	2690	3585	4490	4490
12	4490	4490	3585	5380	8950	8060	7180	10770	9860	9860	6295	6295
13	14350	14350	7180	8950	14350	13430	20700	22400	16130	10770	5380	6295
14	7180	5380	3585	5380	7180	10770	8950	10770	8950	7180	7180	5380
15	2690	1795	1795	2690	3585	2690	2690	898	898	4490	2690	4490
16	4490	4490	3585	2690	2690	2690	1795	4490	4490	2690	2690	2690
17	16130	10770	6295	5380	7180	10770	10770	10770	12590	11690	8950	4490
18	3585	3585	3585	3585	4490	3585	4490	6295	6295	7180	7180	7180
19	5380	4490	3585	3585	4490	8060	10770	11690	5380	5380	3585	4490
20	3585	3585	6295	5380	4490	4490	3585	5380	5380	3585	3585	4490
21	4490	5380	5380	5380	8060	7180	8060	13430	11690	9860	9860	8060
22	10770	17050	8950	20350	29600	16130	12590	20350	13430	11690	9860	9860
23	7180	7180	4490	8950	9860	6295	7180	8950	6295	7180	8950	5380
24	4490	4490	4490	4490	4490	4490	5380	8950	8060	7180	7180	5380
25	9860	7180	8060	8950	9860	11690	17950	11690	10770	7180	5380	5380
26	6295	5380	4490	4490	4490	6295	6295	8950	8060	8950	7180	3585
27	26000	24200	20350	15250	17050	16130	18870	17950	25150	9860	7180	8060
28	12590	10770	11690	8950	14350	17050	20700	20350	27800	25150	8950	8060
29	15250	17050	16130	14350	14350	25150	21520	20700	25150	12590	8950	5380
30	3585	2690	2690	3585	3585	3585	3585	3585	4490	3585	4490	4490
31	16130	17950	11690	12590	8950	14350	17950	7180	6295	6295	5380	5380
Promedio	9152	9024	7351	7605	8101	8662	9063	9677	9540	7944	6427	5730

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
2690	1795	1795	2690	2690	3585	4490	4490	4490	4490	4490	-	3550
5380	5380	4490	3585	4490	4490	6295	5380	5380	4490	4490	6295	5386
2690	2690	1795	2690	3585	3585	6295	7180	8060	7180	7180	6295	5307
9860	10770	8950	8950	11690	17050	17050	25150	23360	29600	23360	6295	11521
3585	2690	2690	3585	6295	8060	6295	6295	4490	2690	2690	2690	3851
4490	5380	5380	6295	6295	12590	11690	12590	12590	11690	11690	9860	6250
7180	7180	7180	9860	10770	20350	14350	12590	16130	12590	16130	17950	9411
13430	22400	11690	8060	6295	6295	10770	10770	12590	17950	16130	16130	13003
4490	8060	7180	7180	8950	11690	15250	22400	36790	26900	28730	28730	14578
1795	1795	898	2690	2690	2690	1795	1795	1795	898	1795	2690	6842
4490	3585	3585	3585	2690	3585	4490	5380	4490	4490	3585	4490	3177
10770	7180	7180	8950	10770	13430	17950	17950	24200	28730	24200	20770	11327
5380	6295	6295	8060	-	-	-	23360	20350	18870	18870	12590	12810
-	-	3585	2690	3585	5380	4490	4490	3585	2690	2690	1795	5215
2690	2690	2690	3585	3585	2690	8950	17950	4490	5380	-	6295	3861
1795	1795	2690	4490	5380	15250	14350	9860	14350	17950	14350	15250	6316
4490	3585	3585	3585	5380	6295	4490	3585	3585	2690	2690	4490	6766
6295	7180	7180	8950	14350	18870	18870	20350	17050	15250	13430	9860	8886
4490	2690	2690	3585	5380	10770	13430	6295	11690	4490	-	7180	6399
3585	4490	4490	5380	6295	7180	5380	3585	4490	4490	4490	4490	4561
9860	10770	8060	6295	5380	6295	8950	8950	11690	20700	14350	14350	9010
8950	11690	11690	8060	8060	10770	12590	12590	8950	6295	6295	4490	10846
3585	3585	2690	2690	3585	5380	5380	5380	5380	5380	4490	4490	5531
6295	9860	11690	11690	10770	12590	21520	30850	26900	29600	20700	20350	11709
5380	5380	3585	4490	7180	12590	17050	15250	13430	8950	8060	5380	9117
3585	3585	3585	8060	7180	14350	26000	25150	22400	25150	23360	29600	11138
7180	5380	11690	11690	10770	17050	17050	24200	24200	24200	16130	11690	16935
4490	8060	8060	8060	10770	6295	3585	3585	2690	5380	8060	11690	10603
-	-	-	-	-	1795	898	898	898	898	2690	3585	10430
3585	2690	1795	1795	1795	7180	16130	11690	20350	17950	17050	15250	6007
3585	2690	3585	3585	4490	4490	6295	8060	16130	16130	21520	18870	10056
5382	5908	5240	5829	6591	9087	10738	11872	12483	12392	11851	10796	8388

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	2690	3585	-	5380	3585	7180	4490	5380	5380	-	4081
4490	5380	4490	6295	4490	1795	5380	6295	898	4490	5380	11690	5385
-	4490	-	2690	3585	4490	6295	6295	8060	7180	7180	6295	5794
9860	10770	9860	10770	10770	16130	21520	24200	31460	24200	20700	5380	12094
7180	2690	2690	4490	8950	10770	8060	5380	3585	2690	2690	2690	4521
4490	5380	5380	8060	7180	15250	12590	12590	11690	14350	6295	11690	6832
8060	7180	7180	9860	10770	17950	12590	14350	12590	14350	14350	17050	9235
16130	14350	15250	8060	6295	17050	13430	13430	12590	17050	15250	15250	13558
7180	8060	8950	8060	11690	13430	17050	26000	28730	29600	31460	27800	15260
2690	1795	1795	3585	2690	3585	2690	1795	1795	1795	1795	2690	6934
4490	3585	3585	4490	3585	-	-	-	4490	4490	4490	4490	3589
8060	8060	8060	8950	10770	17050	21520	23360	-	29600	24200	16130	11347
6295	6295	6295	13430	-	-	20700	20350	20350	20350	15250	8950	13298
-	-	6295	3585	4490	7180	3585	5380	2690	3585	3585	3585	5993
2690	3585	3585	3585	3585	7180	15250	20350	4490	4490	3585	3585	4473
2690	1795	4490	3585	7180	14350	-	12590	16130	17050	17050	22400	6904
4490	4490	4490	4490	4490	4490	4490	3585	3585	2690	2690	2690	6769
6295	8060	10770	10770	15250	21520	20350	0700	17050	15250	16130	9860	9710
9860	3585	3585	7180	10770	12590	10770	6295	7180	4490	5380	8950	6730
4490	5380	4490	5380	6295	5380	6295	4490	4490	5380	4490	4490	4787
14350	9860	8060	6295	6295	8060	9860	9860	16130	18870	10770	10770	9417
9860	11690	11690	8060	9860	15250	13430	8950	15250	6295	6295	5380	12610
4490	3585	2690	3585	5380	5380	6295	5380	5380	5380	4490	4490	6017
8060	11690	11690	10770	13430	17950	27800	34080	30850	25150	22400	16130	12461
5380	4490	5380	6295	7180	13430	17950	14350	12590	8060	8060	5380	9271
4490	4490	6295	8060	7180	16130	30850	25150	22400	27800	26900	26900	11712
7180	8060	11690	12590	13430	15250	20350	26900	24200	21520	15250	12590	16461
6295	8950	8950	9860	4490	7180	8060	5380	7180	7180	12590	16130	12027
1795	1795	2690	2690	3585	4490	5380	3585	3585	5380	3585	3585	9946
3585	3585	2690	2690	5380	8060	15250	28730	21520	18870	16130	16130	7774
4490	3585	3585	3585	5380	6295	-	10770	21520	16130	23360	20700	10850
6279	5980	6301	6625	7394	10795	12906	13592	12565	12551	11521	10795	8982

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	-14.9	-12.2	-13.6	-13.6	- 9.5	-13.6	-13.6	-12.2	-13.6	-13.6	-16.3	-12.2	-12.2
2	-14.9	-13.6	-14.9	- 9.5	- 9.5	-10.8	-14.9	-14.9	-13.9	-14.9	-17.6	-16.3	-19.0
3	-14.9	-14.9	-14.9	-12.2	- 9.5	-13.6	- 9.5	-10.8	-12.2	-14.9	-17.6	-14.9	-16.3
4	-14.9	-13.6	-14.9	-16.3	-13.6	-13.6	-13.6	-12.2	-16.3	-14.9	-14.9	-13.6	-14.9
5	-16.3	-14.9	-16.3	-16.3	-13.6	-17.6	-16.3	-16.3	-13.6	-14.9	-19.0	-16.3	-16.3
6	-19.0	-19.0	-19.0	-19.0	-17.6	-17.6	-16.3	-12.0	-13.6	-13.6	-16.3	-16.3	-14.9
7	-14.9	-16.0	-17.6	-16.3	-17.6	-19.0	-13.6	-14.9	-16.3	-19.0	-17.6	-16.3	-20.3
8	-17.6	-17.6	-17.6	-16.3	-16.3	-17.6	-14.9	-17.6	-17.6	-16.3	-17.6	-17.6	-19.0
9	-14.9	-14.9	-16.3	-13.6	-14.9	-14.9	-14.9	-16.3	-17.6	-14.9	-17.6	-17.6	-17.6
10	-13.6	-10.8	-14.9	-12.2	- 9.5	-10.8	-12.2	- 9.5	-12.2	-14.9	-14.9	-14.9	-17.6
11	-14.9	-12.2	-16.3	-14.9	-13.6	-16.3	-17.6	-14.9	-17.6	-17.6	-20.3	-20.3	-17.6
12	-17.6	-13.6	-12.2	-14.9	-16.3	-16.3	-17.6	-16.3	-17.6	-19.0	-20.3	-19.0	-20.3
13	-14.9	-14.9	-16.3	-16.3	-10.8	-12.2	- 9.5	-13.6	-17.6	-19.0	-19.0	-16.3	-14.9
14	-14.9	-16.3	-17.6	-12.2	-12.2	-16.3	-14.9	-14.9	-17.6	-16.3	-17.6	-17.6	-17.6
15	-10.8	-14.9	-14.9	-13.6	- 9.5	-14.9	-13.6	-12.2	-19.0	-16.3	-20.3	-14.9	-16.3
16	-10.8	-12.2	-12.2	-14.9	-10.8	-12.2	-10.8	-14.9	-17.6	-14.9	-17.6	-14.9	-17.6
17	-14.9	-12.2	-12.2	-12.2	- 9.5	-16.3	-13.6	-13.6	-16.3	-14.9	-16.3	-14.9	-19.0
18	-13.6	-13.6	-14.9	-13.6	-12.2	-12.2	-13.6	-13.6	-16.3	-14.9	-19.3	-16.3	-16.3
19	-14.9	-12.2	-12.2	-12.2	-12.2	-13.6	-13.6	-12.2	-16.3	-17.6	-13.6	- 6.8	-10.8
20	-13.6	-10.8	-14.9	-16.3	-14.9	-13.6	-12.2	-16.3	-10.8	-10.8	-17.6	-16.3	-16.3
21	-13.6	-13.6	-19.0	-13.6	-17.6	-14.9	-13.6	-16.3	-14.9	-19.0	-19.0	-14.9	-14.9
22	-14.9	-14.9	-16.3	-14.9	-10.8	-16.3	-13.6	-14.9	-14.9	-14.9	-16.3	-10.8	-14.9
23	- 9.5	-13.6	-13.6	-14.9	- 9.5	-12.2	-13.6	-13.6	-10.8	-14.9	-13.6	- 9.5	-13.6
24	-14.9	-12.2	-16.3	-14.9	- 9.5	-13.6	-12.2	- 9.5	-12.2	-10.8	-12.2	-10.8	-13.6
25	-12.2	-14.9	-13.6	-12.2	-14.9	-14.9	-12.2	- 6.8	-13.6	-14.9	-13.6	-14.9	-13.6
26	- 8.1	- 9.5	-12.2	-10.8	- 9.5	-12.2	-13.6	-12.2	-10.8	-16.3	-14.9	-10.8	-16.3
27	-10.8	- 8.1	- 8.1	- 9.5	- 9.5	-10.8	- 8.1	-10.8	-10.8	-12.2	-14.9	- 9.5	-12.2
28	- 9.5	-12.2	- 9.5	- 9.5	- 8.1	-13.6	-12.2	- 5.4	-14.9	- 8.1	- 6.8	- 8.1	-13.6
29	- 5.4	- 2.7	- 4.1	- 4.1	- 2.7	- 6.8	- 4.1	- 6.8	- 5.4	-10.8	-10.8	- 6.8	- 8.1
30	-14.9	-13.6	-14.9	-14.9	-12.2	-13.6	-14.9	-17.6	-14.9	-16.3	-14.9	-14.9	-16.3
31	- 9.5	-13.6	-12.2	-12.2	- 9.5	-10.8	- 9.5	-10.8	-12.2	-14.9	-14.9	-13.6	-13.6
Prom	-13.6	-13.2	-14.3	-13.5	-11.9	-14.0	-13.0	-13.0	-14.5	-15.0	-16.2	-14.1	-15.7
Var.	1.1	1.5	0.4	1.2	2.8	0.7	1.7	1.7	0.2	- 0.3	- 1.5	0.6	- 1.0

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	3.1	3.1	- 1.3	-14.6	-13.3	-17.3	-13.3	-14.9	-17.3	-14.6	-13.3	-13.3	-12.0
2	-13.3	- 9.3	-10.6	-14.6	-16.0	-18.6	-16.0	-13.3	-16.0	-16.0	-14.6	-16.0	-14.6
3	-10.6	- 9.3	- 9.3	-13.3	-14.6	-12.0	-10.6	- 8.0	- 9.3	-10.6	-12.0	- 9.3	-13.3
4	-10.6	- 8.0	- 9.3	-10.6	- 9.3	- 9.3	- 9.3	-12.0	-12.0	-12.0	-14.6	-13.3	-10.6
5	-10.6	- 9.3	- 9.3	-12.0	-14.6	-13.3	- 9.3	-14.6	-10.6	- 9.3	-13.3	-13.3	-13.3
6	-12.0	- 9.3	-12.0	-16.0	-17.3	-16.0	-14.6	-13.3	-14.6	-13.3	-14.6	-13.3	-13.3
7	-12.0	- 9.3	-10.6	-14.6	-16.0	-14.6	-14.6	-12.0	-12.0	-13.3	-14.6	-12.0	-12.0
8	-13.3	-10.6	-10.6	-16.0	-17.3	-16.0	-14.6	-16.0	-14.6	-12.0	-14.6	-14.6	-14.6
9	-16.0	-13.3	-14.6	-14.6	-20.0	-18.6	-17.3	-16.0	-17.3	-17.3	-18.6	-16.0	-22.6
10	-17.3	-17.3	-17.3	-21.3	-22.6	-17.3	-21.3	-17.3	-21.3	-20.0	-18.6	-17.3	-21.3
11	-16.0	-16.0	-14.6	-20.0	-18.6	-16.0	-17.3	-21.3	-17.3	-17.3	-20.0	-17.3	-18.6
12	-20.0	-17.3	-16.0	-22.6	-24.0	-25.3	-22.6	-21.3	-20.0	-21.3	-20.0	-17.3	-20.0
13	-21.3	-18.6	-20.0	-24.0	-24.0	-22.6	-22.6	-20.0	-24.0	-20.0	-21.3	-24.0	-25.3
14	-24.0	-22.6	-22.6	-27.9	-27.9	-29.3	-27.9	-22.6	-47.1	-29.3	-26.6	-25.3	-25.3
15	-26.6	-20.0	-22.6	-30.6	-29.3	-30.6	-27.9	-29.3	-30.6	-27.9	-27.9	-27.9	-31.9
16	-25.3	-21.3	-24.0	-27.9	-29.3	-24.0	-27.9	-25.3	-20.0	-27.9	-24.0	-24.0	-22.6
17	-22.6	-22.6	-22.6	-26.6	-26.6	-25.3	-25.3	-24.0	-31.9	-45.6	-42.6	-31.9	-31.9
18	-25.3	-21.3	-22.6	-22.6	-24.0	-25.3	-26.6	-26.6	-26.6	-26.6	-26.6	-26.6	-30.6
19	-26.6	-22.6	-24.0	-27.9	-29.3	-27.9	-27.9	-24.0	-27.9	-18.6	-26.6	-27.9	-27.9
20	-29.3	-25.3	-24.0	-30.6	-27.9	-30.6	-30.6	-30.6	-	-	-	-	-
21	-29.3	-27.9	-27.9	-33.2	-31.9	-31.9	-30.6	-34.6	-29.3	-24.0	-29.3	-29.3	-30.6
22	-29.3	-27.9	-27.9	-30.6	-33.2	-31.9	-33.2	-30.6	-27.9	-30.6	-29.3	-26.6	-29.3
23	-29.3	-27.9	-27.9	-30.6	-29.3	-33.2	-29.3	-27.9	-29.3	-29.3	-29.3	-30.6	-29.3
24	-30.6	-29.3	-27.9	-31.9	-31.9	-30.6	-29.3	-27.9	-29.3	-30.6	-27.9	-29.3	-33.2
25	-27.9	-26.6	-27.9	-30.6	-30.6	-31.9	-30.6	-31.9	-31.9	-31.9	-31.9	-33.2	-31.9
26	-30.6	-26.6	-27.9	-31.9	-31.9	-31.9	-33.2	-31.9	-31.9	-31.9	-33.2	-34.6	-34.6
27	-27.9	-25.3	-27.9	-29.3	-30.6	-31.9	-29.3	-29.3	-30.6	-29.3	-30.6	-30.6	-30.6
28	-29.3	-29.3	-26.6	-29.3	-33.2	-31.9	-34.6	-31.9	-30.6	-29.3	-31.9	-30.6	-30.6
29	-14.6	-25.3	-26.6	-29.3	-33.2	-29.3	-29.3	-30.6	-31.9	-30.6	-31.9	-33.2	-30.6
30	-22.6	-27.9	-25.3	-36.1	-31.9	-30.6	-31.9	-30.6	-29.3	-31.9	-29.3	-30.6	-29.3
31	-30.6	-27.9	-30.6	-34.6	-35.9	-31.9	-30.6	-31.9	-34.6	-31.9	-34.6	-31.9	-31.9
Prom	-21.0	-19.4	-20.1	-24.5	-25.0	-24.4	-23.8	-23.3	-24.3	-23.5	-24.1	-23.4	-24.1
Var.	3.0	4.6	3.9	- 0.5	- 1.0	- 0.4	0.2	0.7	- 0.3	0.5	- 0.1	0.6	- 0.1

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
-14.9	-13.6	-10.8	-13.6	-14.9	-12.2	-14.9	-16.3	-10.8	-12.2	-13.6	-13.3	1
-14.9	-17.6	-17.6	-20.3	-17.6	-14.9	-13.6	-17.6	-10.8	-12.2	- 9.5	-14.6	2
-10.8	-14.9	-13.6	-19.0	-17.6	-14.9	-20.3	-16.3	-13.6	-12.2	-10.8	-14.2	1
-16.3	-14.9	-14.9	-14.9	-16.3	-14.9	-16.3	-13.6	-13.6	-13.6	-12.2	-14.5	1
-14.9	-17.6	-19.0	-21.7	-19.0	-16.3	-16.3	-20.3	-17.6	-16.3	-17.6	-16.8	1
-14.9	-17.6	-20.3	-21.7	-17.6	-16.3	-19.0	-21.7	-16.3	-12.2	-12.2	-16.8	1
-17.6	-20.3	-20.3	-21.7	-21.7	-19.0	-17.6	-19.0	-16.3	-16.3	-14.9	-17.7	2
-16.3	-19.0	-20.3	-21.7	-19.0	-19.0	-19.0	-16.3	-10.8	-10.8	-14.9	-17.1	2
-17.6	-19.0	-17.6	-20.3	-21.7	-20.3	-16.3	-14.9	-12.2	- 9.5	-10.8	-16.1	2
-14.9	-14.9	-16.3	-21.7	-23.0	-23.0	-20.3	-19.0	-13.6	-13.6	-13.6	-15.1	2
-14.9	-16.3	-17.6	-20.3	-23.0	-21.7	-21.7	-23.0	-19.0	-19.0	-10.8	-17.6	2
-16.3	-19.0	-20.3	-20.3	-17.6	-19.0	-24.4	-16.3	-14.9	-16.3	-16.3	-17.6	1
-12.2	-14.9	-19.0	-19.0	-16.3	-13.6	-19.0	-19.0	-14.9	-17.6	-13.6	-15.6	2
-14.9	-17.6	-17.6	-19.0	-17.6	-17.6	-19.0	-16.3	- 8.1	- 9.5	- 9.5	-15.5	2
-14.9	-16.3	-16.3	-21.7	-17.6	-16.3	-17.6	-19.0	-14.9	-14.9	-13.6	-15.6	2
-12.2	-12.2	-17.6	-28.5	-19.0	-17.6	-14.9	-16.3	-13.6	-16.3	-13.6	-15.1	2
-14.9	-17.6	-14.9	-19.0	-16.3	-16.3	-19.0	-13.6	-13.6	-16.3	-16.3	-15.2	2
-17.6	-14.9	-14.9	-19.0	-17.6	-19.0	-19.0	-20.3	-19.0	-14.9	-12.2	-15.8	1
-10.8	-14.9	-20.3	-19.0	-19.0	-16.3	-17.6	-17.6	-13.6	-13.6	-12.2	-14.3	1
-14.9	-19.0	-16.3	-19.0	-17.6	-16.3	-16.3	-17.6	-13.6	-14.9	-12.2	-15.1	2
- 9.5	-13.6	-13.6	-16.3	-14.9	-16.3	-17.6	-17.6	- 8.1	-12.2	-10.8	-14.8	2
-10.8	-13.6	-13.6	-19.0	-16.3	-13.6	-14.9	-16.3	-10.8	-10.8	- 9.5	-14.1	1
-12.2	-13.6	-16.3	-17.6	-14.9	-13.6	-14.9	-16.3	-14.9	-13.6	-12.2	-13.5	1
-14.9	-16.3	-19.0	-17.6	-14.9	-16.3	-13.6	-14.9	- 9.5	-10.8	-12.2	-13.4	2
-16.3	-16.3	-16.3	-12.2	-20.3	-16.3	-16.3	-20.3	-10.8	-10.8	- 8.1	-14.0	1
-14.9	-16.3	-14.9	-16.3	-17.6	-16.3	-14.9	-12.2	-16.3	-13.6	- 8.1	-13.3	1
-12.2	-12.2	-10.8	-16.3	-14.9	-16.3	-16.3	-14.9	-10.8	-10.8	- 9.5	-11.7	1
-12.2	-13.6	-13.6	-16.3	-10.8	- 9.5	- 6.8	- 6.8	3.4	- 1.4	- 5.4	- 9.4	2
- 9.5	-10.8	- 9.5	-14.9	-14.9	-19.0	-21.7	-23.0	-14.3	-13.6	-12.2	-10.1	2
-12.2	-12.2	-10.8	-16.3	-14.9	-14.9	-19.0	-16.3	-14.9	-13.6	-12.2	-14.6	1
-10.8	-13.6	-12.2	-14.9	-16.3	-13.6	-16.3	-14.9	-13.6	-10.8	-10.8	-12.7	2
-13.9	-15.6	-16.0	-18.7	-17.4	-16.5	-17.2	-17.0	-12.9	-13.0	-12.0	-14.7	
0.8	- 0.9	- 1.3	- 4.0	- 2.7	- 1.8	- 2.5	- 2.3	1.8	1.7	2.7		

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
-14.6	-14.6	-13.3	-14.6	-14.6	-14.6	-16.0	-14.6	-13.3	-17.3	-10.6	-12.4	2
-14.6	-14.6	-13.3	-13.3	-14.6	-14.6	-16.0	-13.3	-10.6	-10.6	- 9.3	-13.9	1
-13.3	-10.6	- 9.3	-14.6	-10.6	-13.3	-13.3	- 8.0	- 9.3	- 8.0	- 8.0	-10.8	1
-13.3	- 9.3	-10.6	-14.6	-12.0	-16.0	-14.6	-13.3	-12.0	- 9.3	- 8.0	-11.4	1
-13.3	-13.3	-12.0	-14.6	-14.6	-14.6	-16.0	-14.6	-13.3	-13.3	-12.0	-12.7	1
-14.6	-12.0	-14.6	-14.6	-17.3	-17.3	-16.0	-13.3	-13.3	-12.0	- 9.3	-13.9	1
-14.6	-14.6	-14.6	-18.6	-17.3	-18.6	-18.6	-17.3	-14.6	-14.6	-12.0	-14.3	2
-16.0	-16.0	-16.0	-14.6	-17.3	-17.3	-17.3	-16.0	-14.6	-16.0	-17.3	-15.1	2
-17.3	-17.3	-16.0	-16.0	-20.0	-20.0	-21.3	-20.0	-21.3	-18.6	-14.6	-17.7	2
-22.6	-18.6	-18.6	-21.3	-21.3	-24.0	-20.0	-18.6	-18.6	-18.6	-17.3	-19.6	2
-18.6	-16.0	-16.0	-16.0	-18.6	-22.6	-20.0	-21.3	-25.3	-22.6	-16.0	-18.5	2
-22.6	-21.3	-22.6	-22.6	-24.0	-22.6	-21.3	-21.3	-21.3	-21.3	-20.0	-21.2	1
-25.3	-25.3	-22.6	-24.0	-25.3	-24.0	-25.3	-22.6	-21.3	-24.0	-21.3	-22.9	1
-26.6	-27.9	-25.3	-27.9	-26.6	-29.3	-44.9	-39.9	-38.6	-37.2	-30.6	-29.7	2
-31.9	-26.6	-29.3	-29.3	-29.3	-31.9	-27.9	-27.9	-26.6	-33.2	-24.0	-28.4	2
-24.0	-25.3	-24.0	-24.0	-26.6	-29.3	-30.6	-24.0	-24.0	-24.0	-21.3	-25.0	2
-29.3	-29.3	-29.3	-30.6	-31.9	-31.9	-29.3	-27.9	-26.6	-27.9	-25.3	-29.1	2
-30.6	-29.3	-27.9	-29.3	-30.6	-33.2	-31.9	-35.9	-34.6	-31.9	-26.6	-28.2	2
-29.3	-30.6	-27.9	-31.9	-30.6	-33.2	-34.6	-29.3	-27.9	-27.9	-25.3	-27.8	2
~	~	-30.6	-31.9	-33.2	-31.9	-31.9	-31.9	-29.3	-30.6	-29.3	-30.0	1
-30.6	-29.3	-29.3	-29.3	-29.3	-33.2	-31.9	-33.2	-29.3	-30.6	-26.6	-30.1	2
-29.3	-29.3	-30.6	-31.9	-31.9	-29.3	-34.6	-30.6	-27.9	-27.9	-27.9	-30.0	1
-29.3	-31.9	-27.9	-31.9	-30.6	-29.3	-33.2	-29.3	-27.9	-29.3	-27.9	-29.6	1
-33.2	-31.9	-30.6	-34.6	-34.6	-33.2	-31.9	-30.6	-27.9	-27.9	-27.9	-30.6	0
-31.9	-31.9	-33.2	-30.6	-34.6	-34.6	-30.6	-30.6	-31.9	-29.3	-27.9	-31.1	1
-30.6	-31.9	-30.6	-30.6	-31.9	-31.9	-31.9	-33.2	-30.6	-27.9	-29.3	-31.4	1
-31.9	-31.9	-31.9	-31.9	-31.9	-31.9	-33.2	-29.3	-27.9	-31.9	-29.3	-30.2	0
-31.9	-33.2	-31.9	-31.9	-31.9	-31.9	-31.9	-29.3	-29.3	-29.3	-29.3	-30.9	1
-33.2	-54.7	-57.7	-42.6	-34.6	-29.3	-30.6	-27.9	-27.9	-26.6	-30.6	-32.2	2
-38.6	-50.2	-48.6	-31.9	-33.2	-31.9	-33.2	-33.2	-31.9	-31.9	-29.3	-32.6	2
-30.6	-29.3	-29.3	-31.9	-35.9	-33.2	-35.9	-35.9	-33.2	-33.2	-31.9	-32.5	1
-24.8	-25.3	-25.0	-25.3	-25.7	-26.1	-28.6	-25.0	-23.9	-24.0	-21.8	-24.0	
- 0.8	- 1.3	- 1.0	- 1.3	- 1.7	- 2.1	- 4.6	- 1.0	0.1	0.0	2.2		

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	67.4	67.7	67.8	67.8	67.8	67.9	68.1	68.5	68.7	69.3	69.2	68.8	68.5	68.4	68.4
2	70.7	71.1	71.0	70.7	70.0	69.9	70.1	70.3	70.1	70.4	69.9	69.9	69.3	69.2	69.3
3	69.8	69.8	69.6	69.3	69.0	69.5	69.7	69.8	69.6	70.0	70.0	69.6	69.4	69.2	69.2
4	69.7	69.2	69.2	69.2	69.2	69.2	69.1	68.8	68.6	68.8	68.6	67.8	67.0	66.3	66.0
5	65.9	65.4	65.4	65.3	65.0	65.4	65.0	64.8	64.7	64.9	64.6	63.6	62.2	61.2	61.0
6	59.4	58.9	58.5	57.8	57.6	57.5	57.4	57.7	58.1	58.9	59.1	58.8	58.1	58.3	58.4
7	64.3	64.3	64.2	64.5	65.0	65.4	65.6	65.8	65.8	65.8	65.6	65.2	64.5	63.8	63.6
8	62.3	62.2	61.8	61.1	60.6	60.7	60.8	60.8	60.7	60.8	60.7	59.5	58.6	58.7	58.1
9	58.1	57.7	57.1	56.8	56.5	56.4	56.3	56.4	55.8	56.0	55.3	54.8	53.8	53.4	53.1
10	53.2	53.2	52.7	52.6	51.7	51.8	52.7	53.4	54.1	55.1	55.1	55.2	54.8	55.0	55.7
11	62.1	62.1	62.1	62.1	61.7	61.9	62.1	63.9	64.6	64.8	65.6	65.3	64.6	64.1	64.0
12	67.5	67.6	67.6	67.5	67.3	66.9	67.2	67.6	67.7	67.6	67.5	66.7	66.1	65.4	65.0
13	63.4	63.5	62.9	62.6	62.5	62.7	62.8	63.0	62.7	62.6	62.1	61.4	60.4	59.9	59.6
14	59.5	59.2	59.1	59.0	58.9	58.9	58.8	59.0	59.1	59.1	59.0	58.2	57.1	56.4	56.3
15	57.9	57.9	57.7	57.6	57.6	57.9	58.0	58.7	59.0	59.3	59.2	58.9	58.2	57.7	57.4
16	59.2	59.2	59.1	58.7	58.6	58.9	59.0	59.2	59.2	59.4	59.5	58.7	58.3	58.2	57.8
17	57.5	57.3	57.3	57.1	56.8	56.7	57.1	57.2	57.6	57.9	57.9	57.8	57.7	57.8	57.4
18	64.0	64.3	64.8	64.8	65.6	65.9	66.0	67.0	67.4	67.4	67.4	67.2	66.4	66.1	65.6
19	64.1	63.4	63.2	62.9	62.9	62.3	62.2	61.4	60.9	60.4	59.9	58.9	57.8	57.1	56.4
20	57.1	57.0	57.1	57.2	57.2	57.4	58.3	58.8	59.0	59.5	59.6	59.4	59.2	59.2	59.2
21	63.9	63.7	63.4	63.8	63.9	64.7	65.4	65.6	65.7	65.8	65.7	65.5	64.8	64.6	64.2
22	65.4	65.1	65.2	64.8	64.6	64.7	65.1	65.0	65.1	65.3	65.1	64.3	63.4	62.6	62.2
23	60.6	60.3	59.9	59.8	59.9	60.2	60.4	60.9	60.9	61.4	61.5	61.2	60.7	60.8	60.8
24	66.5	66.7	66.7	66.7	67.1	67.3	67.7	68.1	68.2	68.6	68.3	67.9	67.2	66.5	66.1
25	66.3	66.1	66.1	65.9	65.9	66.1	66.6	66.8	66.8	66.9	66.9	66.8	65.9	65.2	65.0
26	65.6	65.4	65.2	64.6	64.5	64.6	64.7	65.4	65.4	65.5	65.1	64.2	63.4	62.8	61.9
27	63.4	62.9	62.8	62.7	62.8	62.8	63.0	63.2	63.2	63.2	63.0	62.3	61.4	60.8	60.3
28	59.8	59.5	59.3	58.8	58.7	59.0	59.2	59.4	59.4	59.7	59.2	58.9	58.1	57.4	57.0
29	57.5	57.5	57.4	57.4	57.2	57.5	57.6	57.9	58.0	58.1	58.0	57.4	56.7	56.4	56.0
30	56.3	56.3	56.2	56.2	55.9	55.4	55.5	55.7	55.7	55.8	55.8	55.0	54.5	53.9	53.9
31	56.3	56.2	56.2	55.8	55.6	55.6	55.7	55.7	55.8	55.7	55.2	54.1	53.0	52.6	52.3
Prom	62.4	62.3	62.1	62.0	61.9	62.0	62.2	62.4	62.5	62.3	62.6	62.0	61.3	60.9	60.7

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	2.5	2.6	2.4	1.4	0.8	0.4	0.0	- 0.2	2.7	5.7	6.8	7.9	8.4	9.0	8.6
2	- 1.2	- 2.0	- 2.0	- 1.9	- 1.9	- 1.7	- 1.7	- 1.1	- 0.1	3.8	5.6	7.9	8.4	8.1	7.8
3	- 1.8	- 2.0	- 1.9	- 1.9	- 1.8	- 1.7	- 1.7	- 1.5	0.7	4.5	6.8	8.5	9.0	9.5	9.4
4	- 1.9	- 3.5	- 2.9	- 3.0	- 3.1	- 3.7	- 3.9	- 1.9	2.1	6.6	8.2	9.3	10.2	10.1	10.1
5	4.1	4.0	4.0	3.4	2.8	2.8	3.4	4.2	5.2	7.6	9.5	11.1	12.1	12.4	12.4
6	7.0	6.7	6.7	6.6	6.7	7.0	7.1	7.4	7.6	8.2	8.4	9.1	10.1	10.8	10.8
7	7.5	7.4	7.0	6.4	5.9	5.2	5.1	5.4	6.7	8.0	9.3	10.2	10.4	10.5	10.3
8	7.0	6.3	6.0	6.1	6.2	6.2	6.4	6.7	7.3	7.7	7.9	8.2	8.2	9.3	9.4
9	9.5	9.5	9.4	9.4	9.4	9.3	9.3	9.9	10.0	10.3	11.1	12.1	12.1	12.3	12.3
10	11.6	11.6	11.5	11.4	11.2	11.1	11.1	11.7	11.9	12.0	12.0	11.9	11.3	11.3	11.1
11	8.0	8.0	8.1	8.0	7.5	7.2	6.9	6.2	6.2	6.3	6.4	6.7	7.5	7.6	7.5
12	1.2	1.1	0.4	0.1	0.3	0.2	- 0.4	- 0.5	1.0	3.7	7.5	9.2	9.6	10.6	10.3
13	3.0	1.8	3.5	3.5	1.9	3.7	1.3	3.9	7.2	9.8	11.1	12.9	13.7	14.2	14.4
14	4.2	3.9	3.9	3.9	2.9	2.9	2.8	4.2	5.7	8.4	10.0	11.9	13.2	13.3	13.3
15	8.3	8.0	7.8	7.2	6.9	6.3	5.4	5.3	5.3	5.4	5.8	6.8	7.3	7.9	9.4
16	4.8	4.8	5.0	5.2	6.1	7.0	7.2	7.9	7.9	8.2	9.3	11.0	10.9	12.1	12.8
17	7.4	7.5	7.7	7.9	7.3	7.5	7.2	8.1	9.5	10.6	11.6	12.5	13.5	13.9	14.5
18	5.2	4.0	3.1	2.2	1.8	1.1	0.9	1.4	4.2	8.1	10.3	12.6	13.6	14.1	14.5
19	5.6	5.0	4.5	3.2	3.0	3.0	2.9	6.0	8.5	10.4	12.8	14.1	15.6	15.6	15.3
20	10.1	10.1	9.8	9.1	8.2	7.2	6.7	7.5	10.3	11.9	13.4	14.8	15.6	16.4	17.2
21	6.1	5.4	5.0	4.1	3.0	2.1	1.4	- 0.1	4.8	9.5	12.0	13.6	14.3	14.5	14.4
22	1.9	1.5	2.3	1.7	1.0	0.8	0.8	2.8	6.4	9.8	12.1	13.8	14.3	15.1	14.9
23	4.8	3.9	3.9	3.6	3.2	3.2	2.9	3.3	6.3	9.4	11.6	12.9	13.2	13.3	13.3
24	0.9	0.3	0.1	- 0.5	- 0.8	- 0.8	- 0.9	0.8	3.3	6.3	8.3	9.9	10.7	11.6	11.9
25	1.9	1.9	1.5	1.2	0.3	0.3	- 1.3	2.4	5.6	8.7	10.0	11.2	12.5	12.7	13.2
26	3.9	3.6	3.5	3.4	3.3	3.0	2.7	3.7	7.1	9.4	12.0	13.1	14.0	14.3	13.6
27	1.0	0.7	0.3	1.2	0.2	- 0.2	- 0.6	1.3	7.1	11.6	14.8	16.6	17.0	18.3	17.6
28	8.3	8.2	9.1	9.3	9.2	9.3	9.4	11.0	11.2	13.2	15.2	17.0	16.6	16.7	17.3
29	12.7	12.7	11.8	11.7	11.7	11.4	10.0	11.7	13.0	14.5	15.8	17.9	18.7	19.4	18.5
30	17.2	17.2	17.0	16.6	16.3	16.9	16.2	17.0	18.4	20.0	21.8	22.4	22.9	22.1	23.2
31	15.1	14.8	14.3	14.1	14.1	13.2	12.8	17.0	17.7	19.4	21.0	22.3	24.0	24.0	23.8
Prom	5.7	5.3	5.2	5.0	4.6	4.5	4.2	5.2	7.1	9.3	10.9	12.2	12.9	13.2	13.3

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
68.8	69.0	69.3	69.7	70.0	70.2	70.3	70.4	70.3	70.4	23	67.1	0	3.3	768.8 mm.	1025.0 mb.
69.1	69.1	69.3	69.5	69.8	69.8	69.9	70.3	70.3	71.1	2	69.1	16,17	2.0	69.9	1026.5
69.2	69.3	69.5	69.6	69.7	69.8	69.7	69.7	69.6	70.3	0	69.0	5	1.3	69.6	1026.1
66.0	65.8	65.8	65.6	66.0	66.0	65.9	66.0	66.0	69.7	1	65.6	19	4.1	67.5	1023.3
61.0	60.4	60.5	60.5	60.5	60.3	59.9	59.7	59.6	66.0	0	59.6	24	6.4	62.8	1016.4
58.8	59.3	60.1	61.2	62.6	63.2	63.4	63.6	64.0	64.0	24	57.2	6-7	6.8	59.6	1012.8
63.5	63.4	63.3	63.2	63.2	63.2	63.2	63.1	62.7	65.8	varios	62.7	24	3.1	64.2	1018.9
57.7	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.1	62.7	0	57.7	16	5.0	59.5	1012.6
53.0	53.2	53.1	53.1	53.0	53.3	53.5	53.4	53.2	58.1	0,1	52.8	19-20	5.3	54.8	1006.4
56.4	56.6	57.8	59.3	60.0	60.3	60.5	61.4	61.4	61.4	23,24	51.5	5-6	9.9	55.8	1007.7
64.7	65.3	66.1	66.2	66.7	67.1	67.4	67.8	67.9	67.9	24	61.7	5	6.2	64.6	1019.4
64.7	64.7	64.5	64.5	64.5	64.2	63.7	63.6	63.7	67.9	0	63.6	23	4.3	66.0	1021.3
59.4	59.8	60.2	60.2	60.2	60.2	60.1	60.1	59.6	63.7	0	59.4	16	4.3	61.3	1015.0
56.3	56.4	56.6	56.9	57.5	57.5	57.6	57.7	58.0	59.6	0	56.3	15,16	3.3	58.0	1010.6
57.4	58.4	58.3	58.4	58.2	58.3	58.4	58.9	58.8	59.3	10	57.1	15-16	2.2	58.2	1010.9
57.7	57.3	57.7	57.5	57.4	57.4	57.8	58.0	57.9	59.5	11	57.1	19-20	2.4	58.4	1011.2
58.2	59.2	60.2	60.5	61.4	62.2	62.5	63.2	63.5	63.5	24	56.7	6	6.8	58.8	1011.7
65.6	65.8	65.8	65.9	66.0	65.7	65.6	65.3	64.8	67.4	varios	63.5	0	3.9	65.8	1021.0
56.3	56.2	56.3	56.1	56.2	56.2	56.6	56.8	56.9	64.8	0	56.1	19	8.7	59.2	1012.2
59.6	60.2	60.7	61.5	62.4	62.5	63.2	63.7	64.0	64.0	24	56.9	4-5	7.1	59.7	1012.9
64.2	64.2	64.4	64.8	65.0	64.9	65.2	65.3	65.4	65.8	10	63.4	3	2.4	64.8	1019.7
61.9	61.9	62.0	62.1	62.0	61.7	61.7	61.2	60.8	65.5	9-10	60.8	24	4.7	63.5	1018.0
61.5	62.1	63.2	64.4	64.8	65.5	65.9	66.5	66.5	66.5	23,24	59.8	4	6.7	62.1	1016.1
65.5	65.8	66.1	66.2	66.4	66.6	66.6	66.7	66.7	68.6	10	65.5	16	3.1	66.9	1022.5
65.0	65.0	65.2	65.4	65.6	65.8	65.8	65.9	65.8	67.1	10-11	65.0	varios	2.1	66.0	1021.3
62.3	62.6	62.9	63.1	63.3	63.4	63.5	63.4	63.4	65.6	1	61.9	15	3.7	64.0	1018.6
60.3	60.5	60.5	60.5	60.5	60.4	60.4	60.3	60.2	63.4	0,1	60.2	24	3.2	61.7	1015.6
56.2	56.7	56.9	56.7	56.8	56.3	56.0	57.1	57.3	60.2	0	55.8	16-17	4.4	58.0	1009.7
55.8	55.9	56.0	56.1	56.2	56.3	56.3	56.3	56.2	58.1	10	55.5	16-17	2.6	56.9	1009.2
54.1	54.4	54.8	55.1	55.4	55.5	55.9	56.2	56.3	56.3	varios	53.9	14,15	2.4	55.4	1007.2
52.2	52.3	52.7	52.9	52.8	52.8	52.8	52.6	52.4	56.3	0,1	52.2	16	4.1	54.1	1005.4
60.7	60.9	61.2	61.4	61.7	61.8	61.8	62.0	62.0	64.1		59.8		4.3	61.8	1015.7

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
8.1	6.4	4.1	2.6	1.1	0.6	- 0.2	- 1.2	- 1.2	9.4	14-15	- 1.2	23,24	10.6	3.3
7.3	5.9	4.2	3.5	2.5	1.6	1.0	- 0.2	- 1.1	8.6	13-14	- 2.0	2,3	10.6	2.2
9.2	8.4	4.5	2.5	1.5	0.2	- 0.4	- 1.4	- 2.0	9.5	14	- 2.0	2,24	11.5	2.4
8.5	6.7	5.5	3.4	2.6	1.7	1.4	2.4	3.7	10.2	13	- 3.9	7	14.1	2.8
11.1	9.5	8.5	8.3	8.3	8.2	7.9	7.4	7.3	12.4	14,15	2.5	5-6	9.9	7.3
10.9	10.8	10.2	10.1	9.5	9.5	9.5	9.1	7.8	10.8	14,15	6.6	4	4.2	8.6
10.3	10.1	9.5	9.3	9.2	9.1	8.4	8.1	7.4	10.5	14	4.8	6-7	5.7	8.2
9.4	9.4	9.6	9.6	9.6	9.9	9.8	9.8	9.8	9.9	21	6.0	3	3.9	8.2
12.2	12.0	11.8	11.8	11.7	11.6	11.6	11.6	11.6	12.3	14,15	9.3	6,7	3.0	10.9
11.0	11.0	11.0	10.5	10.1	9.9	9.9	9.4	8.7	11.6	varios	8.7	24	2.9	11.0
7.4	7.1	5.9	4.9	4.1	3.7	3.0	2.6	1.7	8.7	0	1.7	24	7.0	6.2
9.6	8.2	6.7	5.7	4.8	2.4	2.6	2.9	3.4	10.6	14	- 0.5	8	11.1	4.2
13.0	11.0	9.0	7.8	6.7	6.2	5.7	5.7	5.0	14.8	15-16	1.3	7	13.5	7.3
12.5	11.7	10.9	10.1	9.9	9.8	9.8	9.8	9.7	14.0	14-15	2.8	7	11.2	8.3
9.3	8.6	6.9	5.0	4.9	5.2	4.9	4.8	4.8	9.7	0	4.8	23,24	4.9	6.6
12.9	11.2	9.1	8.3	8.7	7.0	5.9	6.0	6.7	12.9	16	4.8	varios	8.1	8.2
14.4	13.5	11.8	10.3	10.0	8.8	8.1	7.3	6.2	14.7	15-16	6.2	24	8.5	9.9
14.3	11.0	8.8	7.7	6.7	6.3	5.8	5.1	5.5	14.5	15	0.4	7-8	14.1	7.0
14.6	13.6	12.5	11.8	11.4	10.9	9.5	9.2	9.8	15.6	13,14	2.9	7	12.7	9.5
16.0	13.6	10.8	9.3	8.3	7.8	7.0	6.0	6.0	17.2	15	6.7	7	10.5	10.5
13.7	11.6	8.3	5.5	3.7	3.2	2.9	2.3	2.1	14.5	14	- 0.1	8	14.6	6.8
14.0	11.8	8.9	8.0	7.3	6.6	5.9	5.8	5.5	15.1	14	- 0.1	7-8	15.2	7.2
13.3	11.7	9.5	8.0	6.3	5.0	4.4	2.7	1.7	13.3	varios	1.7	24	11.6	7.1
9.9	7.4	5.4	4.6	2.7	1.7	1.4	1.0	1.2	12.2	14-15	- 0.9	7	13.1	4.0
12.1	10.9	8.1	6.0	5.0	4.8	5.0	4.8	4.3	13.2	15	- 1.3	7	14.5	6.0
13.2	11.9	9.0	7.0	5.4	4.6	3.5	2.1	1.9	14.3	14	1.9	24	12.4	7.1
15.6	13.0	11.3	9.3	7.7	8.2	9.0	8.9	8.8	18.5	13-14	- 0.6	7	19.1	8.3
16.8	16.1	15.3	14.8	14.5	14.4	13.9	13.6	12.9	17.3	15	8.0	2-3	9.3	13.0
18.5	17.7	17.4	17.5	17.7	17.6	16.8	16.4	16.1	19.4	14	10.0	7	9.4	15.3
22.1	20.9	19.0	18.0	17.0	17.0	17.0	17.0	15.9	23.5	12-13	15.9	24	7.6	18.7
23.1	20.2	16.9	16.7	16.7	16.8	16.6	16.6	15.7	24.0	13,14	12.4	7-8	11.6	17.8
12.7	11.4	9.7	8.6	7.9	7.4	7.0	6.6	6.4	13.6		3.4		10.2	8.2

HUMEDAD RELATIVA en %

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	95	92	90	99	99	100	100	100	83	68	63	57	55	52	55
2	99	99	98	99	99	96	97	96	91	73	67	63	55	59	62
3	100	100	99	98	97	95	94	92	80	73	61	59	58	56	59
4	100	100	100	100	100	100	100	100	80	67	58	53	52	52	54
5	91	90	87	92	96	96	91	87	82	71	64	56	52	52	49
6	85	85	85	86	85	85	87	86	87	87	87	86	85	84	85
7	100	100	97	97	98	100	100	95	78	71	67	62	63	67	67
8	98	98	100	100	100	100	100	100	98	98	98	100	100	100	100
9	100	100	100	100	100	99	99	100	100	100	98	93	95	95	94
10	100	100	99	99	99	99	99	100	100	100	96	99	97	94	99
11	99	100	100	100	100	100	99	89	88	85	84	83	80	78	79
12	100	100	100	100	100	100	100	100	100	97	70	66	65	64	67
13	100	100	100	100	100	99	99	100	81	71	64	57	54	52	49
14	100	98	89	87	93	96	100	97	92	79	78	74	72	75	77
15	99	98	96	97	98	98	99	100	100	100	100	96	92	91	83
16	100	100	100	100	100	100	100	97	98	97	91	85	87	85	80
17	100	100	100	100	100	100	99	100	100	99	93	93	89	89	85
18	84	87	89	92	92	92	91	81	71	64	57	51	49	43	41
19	88	89	91	92	89	92	95	85	76	66	61	61	55	56	58
20	84	86	88	92	98	100	100	100	88	77	66	56	50	44	37
21	90	93	95	99	100	100	100	100	85	65	53	52	48	45	39
22	92	99	100	100	100	100	100	100	74	59	57	47	45	44	46
23	83	86	83	84	85	86	90	89	78	66	66	66	61	59	56
24	93	91	94	96	96	100	100	92	85	77	70	61	55	50	49
25	98	98	99	99	99	100	100	100	81	67	62	59	56	55	53
26	89	89	90	90	91	96	100	100	87	76	69	64	60	60	65
27	100	100	100	100	100	100	100	100	100	76	61	60	56	51	56
28	95	98	98	99	100	100	99	100	100	99	91	84	85	85	82
29	100	100	99	99	99	98	98	100	99	100	95	86	87	81	88
30	96	96	96	96	96	92	95	92	85	79	72	65	64	70	69
31	100	100	100	100	100	100	100	93	91	84	78	73	67	66	68
Prom.	95	96	96	96	97	97	98	96	88	80	74	70	67	66	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	5.0	5.0	4.6	4.8	4.6	4.4	4.4	4.4	4.4	4.6	4.6	4.6	4.2	4.5	4.4
2	4.0	3.8	3.8	3.8	3.8	3.8	3.8	4.0	4.2	4.2	4.6	4.8	4.2	4.6	4.8
3	3.8	3.8	3.8	3.8	3.8	3.6	3.6	3.8	3.6	4.4	4.6	4.8	4.8	5.0	5.0
4	3.8	3.4	3.6	3.4	3.4	3.4	3.2	3.8	4.0	4.8	4.6	4.6	4.8	4.9	4.8
5	5.6	5.2	5.2	4.8	5.4	5.4	5.4	5.4	5.4	5.6	5.4	5.6	5.4	5.6	5.0
6	6.2	6.0	6.0	6.2	6.0	6.2	6.2	6.7	6.8	7.0	7.2	7.4	7.6	7.8	7.8
7	7.4	7.4	7.2	7.0	6.6	6.4	6.4	6.4	5.6	5.8	5.8	5.8	5.8	6.3	6.2
8	7.2	7.0	6.8	6.8	6.8	6.8	7.0	7.4	7.4	7.6	7.6	7.8	7.8	8.5	8.5
9	8.5	8.5	8.5	8.5	8.5	8.5	8.5	9.0	8.5	9.0	9.5	9.5	9.5	9.5	9.5
10	9.5	9.5	9.5	9.5	9.5	9.5	9.5	10.0	10.0	10.0	10.0	10.0	9.5	9.0	9.5
11	7.8	7.8	7.8	7.8	7.4	7.2	7.2	6.4	6.2	5.8	5.8	6.0	6.0	6.0	6.0
12	4.8	4.8	4.6	4.4	4.4	4.4	4.2	4.2	4.6	5.8	5.2	5.8	5.6	5.8	6.2
13	5.4	5.0	5.6	5.6	5.0	5.8	4.8	6.0	6.2	6.4	6.0	6.4	6.0	6.4	6.0
14	6.0	5.8	5.2	5.2	5.2	5.4	5.4	6.0	6.6	6.4	7.0	7.4	8.0	8.0	8.5
15	7.8	7.8	7.6	7.4	7.2	7.0	6.4	6.4	6.4	6.4	6.6	7.2	7.0	7.3	7.2
16	6.2	6.2	6.2	6.4	6.8	7.2	7.2	7.7	7.6	7.8	8.0	8.0	8.5	8.5	8.0
17	7.4	7.4	7.6	7.6	7.4	7.4	7.4	7.8	8.5	9.0	9.0	9.5	10.0	10.0	10.0
18	5.4	5.2	5.0	4.8	4.8	4.6	4.4	4.1	4.4	5.0	5.4	5.6	5.4	5.2	5.2
19	5.8	5.6	5.8	5.2	4.8	5.2	5.2	5.6	6.4	6.2	6.8	7.4	6.8	7.5	7.4
20	7.6	7.8	7.8	7.8	7.8	7.4	7.0	7.4	8.0	7.8	7.8	7.2	6.2	6.1	5.4
21	6.0	6.2	6.0	6.0	5.4	5.2	4.8	4.6	5.2	5.4	5.4	6.0	5.8	5.2	4.6
22	4.6	4.8	5.2	5.0	4.8	4.6	4.6	5.6	5.2	5.2	6.0	5.6	5.2	5.4	6.0
23	5.2	5.2	5.0	4.8	4.6	5.0	4.8	5.2	5.4	5.8	6.8	7.4	7.0	6.4	6.4
24	4.4	4.2	4.2	4.2	4.2	4.2	4.0	4.5	4.6	5.4	5.4	5.6	5.0	4.8	4.8
25	5.0	5.0	5.0	4.8	4.4	4.4	4.0	5.2	5.6	5.6	5.8	5.6	6.2	5.6	5.8
26	5.2	5.2	5.0	5.0	5.2	5.4	5.4	5.8	6.6	6.8	7.0	7.0	6.8	7.0	7.2
27	4.8	4.6	4.4	4.8	4.4	4.4	4.2	4.8	7.2	7.8	7.8	8.0	8.0	7.9	8.5
28	7.6	7.8	8.0	8.5	8.5	8.5	8.5	9.5	9.5	11.0	11.5	11.5	11.5	11.5	12.0
29	10.5	10.5	10.0	10.0	10.0	9.5	8.5	10.0	10.5	12.0	12.0	13.0	14.0	13.6	13.5
30	14.0	14.0	14.0	13.5	13.5	13.0	12.5	13.2	13.0	13.5	14.0	12.5	13.0	13.0	14.0
31	12.5	12.0	11.5	11.5	11.5	11.0	10.5	13.0	13.5	13.5	14.0	14.5	15.0	15.0	14.5
Prom.	6.6	6.5	6.5	6.4	6.3	6.3	6.1	6.6	6.8	7.1	7.3	7.5	7.4	7.5	7.5

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

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
4.6	4.4	5.0	4.8	4.6	4.0	4.2	4.0	4.0	5.2	0	4.0	varios	1.2	4.5
5.0	5.2	5.4	5.0	5.0	5.0	4.8	4.4	4.0	5.4	18	3.8	varios	1.6	4.4
5.0	5.4	5.2	5.0	4.9	4.4	4.2	4.0	3.8	5.4	17	3.6	varios	1.8	4.3
5.6	5.2	5.2	5.0	5.1	5.0	4.6	5.2	5.4	5.6	16	3.2	7	2.4	4.4
5.6	5.4	5.6	5.8	6.0	5.8	6.4	6.2	6.2	6.4	22	4.8	4	1.6	5.6
8.5	8.0	8.5	8.5	8.0	8.0	8.5	8.0	7.6	8.5	varios	6.0	varios	2.5	7.3
6.2	6.6	5.4	6.2	7.5	7.4	7.6	7.8	7.4	7.8	23	5.4	18	2.4	6.6
8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	varios	6.8	varios	1.7	7.8
9.5	10.0	10.0	10.0	10.0	9.5	9.5	9.5	9.5	10.0	varios	8.5	varios	1.5	9.2
9.5	9.5	9.5	9.0	8.5	8.0	8.0	7.6	7.4	10.0	varios	7.4	24	2.6	9.2
5.8	6.2	6.0	5.6	5.6	5.4	5.4	5.2	5.0	7.8	varios	5.0	24	2.8	6.3
6.4	6.2	6.4	6.2	6.2	5.2	5.2	5.4	5.6	6.4	16,18	4.2	7,8	2.2	5.3
7.4	7.6	7.4	7.2	7.0	6.8	6.6	6.6	6.2	7.6	17	4.8	7	2.8	6.2
8.5	9.0	9.0	9.0	8.5	8.5	8.5	8.5	8.5	9.0	varios	5.2	varios	3.8	7.2
7.6	7.6	6.8	6.2	6.2	6.4	6.2	6.2	6.2	8.5	0	6.2	varios	2.3	6.9
9.0	8.5	8.0	7.8	8.0	7.2	6.8	6.8	7.0	9.0	16	6.2	varios	2.8	7.5
10.5	10.5	10.0	9.0	8.5	8.0	7.4	6.2	5.8	10.5	16,17	5.8	24	4.7	8.4
5.0	6.6	6.4	5.6	5.6	5.4	6.0	6.0	5.8	6.6	17	4.1	8	2.5	5.3
7.6	7.8	7.2	7.4	7.4	7.4	7.2	7.2	7.4	7.8	17	4.8	5	3.0	6.6
5.8	6.6	5.6	5.8	6.0	5.8	6.0	6.0	6.0	8.0	9	5.4	15	2.6	6.8
4.8	5.2	5.4	5.2	5.3	5.0	4.8	4.6	4.6	6.2	2	4.6	varios	1.6	5.3
5.6	5.8	6.0	5.8	5.4	5.6	5.6	5.6	5.4	6.0	varios	4.6	varios	1.4	5.4
6.4	5.8	5.0	5.0	4.8	4.6	4.8	4.8	4.4	7.4	12	4.4	24	3.0	5.4
5.6	5.8	5.4	5.4	5.0	4.8	4.8	4.8	4.8	5.8	17	4.0	7	1.8	4.8
6.0	5.6	5.8	5.4	5.6	5.6	5.6	5.6	5.4	6.2	13	4.0	7	2.2	5.4
7.0	7.0	7.4	7.2	6.4	6.2	5.6	6.2	5.0	7.4	18	5.0	varios	2.4	6.2
8.0	7.6	6.8	6.6	6.5	6.2	6.6	7.8	7.8	8.5	15	4.2	7	4.3	6.5
12.5	13.0	12.5	12.0	12.0	11.5	11.5	11.0	10.5	13.0	17	7.6	1	5.4	10.5
13.5	14.0	13.5	13.5	14.1	13.5	13.5	13.5	13.0	14.1	20	8.5	7	5.6	12.1
15.0	15.0	15.0	15.0	14.0	14.0	14.0	14.0	13.0	15.0	varios	12.5	7,12	2.5	13.7
15.0	15.0	14.0	13.5	13.6	13.0	13.0	13.0	12.0	15.0	varios	10.5	7	4.5	13.2
7.8	7.9	7.7	7.5	7.4	7.2	7.1	7.1	6.9	8.3		5.6		2.7	7.0

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

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
SW	10	SW	5	W	3	SW	2	W	3	SW	3	SW	3	W	3	S	5	SW	16	5	26	SW	13.46
W	3	SW	3	SW	4	SW	3	SW	2	W	4	W	3	W	3	W	3	W	11	4	16	S	10.24
SW	4	SW	4	W	2	W	3	SW	4	SW	2	SW	4	SW	3	SW	3	W-SW	12	4	20	W	14.16
E	7	E	6	E	5	E	6	E	2	NE	3	NE	2	NE	6	NE	8	E-W	5	4	14	NE	23.52
N	18	NE	13	NE	12	NE	11	NE	12	NE	13	NE	15	NE	13	NE	15	NE	16	15	37	N	10.44
NE	7	NE	5	C	1	S	4	C	1	C	1	C	0	C	1	C	0	NE	17	9	24	NE	9.03
E	6	E	6	E	8	E	12	E	10	E	9	E	4	E	6	E	6	E	9	6	24	E	18.12
E	12	E	8	E	2	C	1	C	0	C	0	C	1	C	1	S	2	SE	8	4	23	E	15.56
E	6	E	6	E	4	SE	4	SE	4	SE	3	SE	3	SE	2	C	1	E	9	4	18	E	12.57
S	7	S	8	S	6	S	7	S	10	S	8	S	9	SE	8	SE	8	S	11	6	23	S	19.40
S	13	S	12	S	6	S	5	S	5	S	5	S	3	SE	4	C	0	S	21	8	34	S	16.08
E	8	E	6	E	8	E	8	E	5	E	5	E	8	E	2	E	3	E	12	5	20	NE	12.32 12.36
E	5	E	3	E	4	E	8	E	5	NE	4	NE	4	NE	3	NE	6	E	12	5	16	NE	10.00
NW	15	NW	15	NW	12	NW	7	NW	8	NW	11	NW	9	NW	8	W	7	N	13	10	32	N	12.52
NW	10	W	7	NW	3	NW	3	NW	5	NW	10	NW	11	NW	14	NW	12	NW	13	6	20	NW	15.26
NW	8	NE	5	NE	3	NE	5	E	5	C	0	C	0	C	1	NE	6	NW	16	11	32	NW	6.37
S	6	SW	4	SW	5	SW	6	SW	7	SW	6	SW	10	SW	7	SW	7	SW	9	5	18	SW	13.32
C	1	NE	6	NE	3	NE	6	NE	3	E	6	NE	4	NE	3	NE	6	NE	7	4	10	E	16.30
NE	7	E	5	NE	4	NE	7	NE	8	NE	11	N	8	N	4	NW	7	NE	15	11	36	N	10.51
SW	9	SW	5	SW	5	SW	4	SW	4	SW	5	SW	5	C	1	SW	7	SW	20	6	23	SW	14.48
W	9	W	5	W	3	W	3	W	3	NW	4	NW	3	NW	6	NW	4	W	9	4	21	W	13.54
NW	16	NW	8	N	7	N	8	N	7	N	8	N	11	N	12	N	13	NW	16	11	34	NW	12.34
S	16	S	13	S	10	S	11	S	7	SW	7	SW	9	SW	6	SW	6	N	9	13	48	W	11.31
E	7	NE	8	NE	4	NE	5	NE	3	NE	2	NE	3	NE	3	NE	5	NE	8	4	14	SW	4.13
NE	7	NE	8	NE	4	N	7	N	3	NE	6	NE	9	NE	9	NE	9	N	13	8	27	N	11.04
E	6	E	6	E	3	NE	2	C	1	C	1	C	1	C	0	C	0	NE	11	6	22	N	11.24
E	7	E	7	E	8	E	6	E	6	E	7	E	9	E	7	E	6	E	12	4	11	E	16.08
E	8	W	10	C	0	SE	3	N	5	E	7	SE	4	N	2	C	1	E	17	6	35	W	16.30
NE	12	NE	9	E	7	E	12	NE	12	NE	11	NE	10	NE	6	NE	9	NE	13	6	35	NE	18.00
W	13	W	5	C	0	C	0	E	2	E	2	C	1	C	1	C	0	N	13	14	40	N	12.12
W	7	W	5	S	4	S	3	SE	6	E	5	E	7	E	5	E	2	C	7	5	23	NW	13.36
E		E		E		E NE		E		E NE		NE		NE		NE		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		72 Km.		
10		9		9		6		7		7		7		7		8		NE	126	7	DIREC.	DIA	HORA
	9		7		5		6		5		5		6		5		6				N	19	de 10.55 a 11.00
																						30	de 12.00 a 12.05

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	15	16	107	3	9				131
2									4	17	9	34	11	45				96
3											12	61	12	48				109
4	3	10	4	19	5	26	1	2	1	3	1	3	5	18	1	6	3	88
5	8	164	16	191														355
6			17	216					1	4							6	224
7					9	67	7	39	5	24							3	132
8					7	47	8	43	4	15							5	108
9	2	7	4	14	9	56	5	16									4	95
10							2	16	11	86	4	21	4	18			3	143
11							2	10	21	183							1	193
12			2	23	12	73	3	6	4	12							3	116
13	5	31	7	30	12	63												124
14	13	143	2	15									1	7	8	85		250
15					1	2					6	25	2	10	13	97	2	136
16			4	19	1	5									16	245	3	270
17	1	3	6	29	2	4			2	12	9	60	1	5	3	17		130
18			7	31	2	10	1	2	4	13	6	34	3	11			1	102
19	7	108	15	138	1	5									1	7		258
20											20	119			3	20	1	140
21									3	10	1	9	9	61	6	26	5	108
22	8	71													16	189		260
23	9	114							5	57	5	42	2	41	3	64		318
24			8	33	2	12	1	4	4	18	7	40					2	109
25	13	131	9	58													2	191
26	4	42	11	69	4	25											5	139
27	2	6	1	2	12	74											9	84
28	2	7			17	125	2	7					1	10			2	150
29			13	108	4	27			1	2	1	2					5	142
30	13	270			2	4							4	59			5	335
31	6	53			4	19	1	6	2	7			2	12	2	29	7	128
SUMAS	96	1160	126	995	106	644	33	151	77	478	97	557	60	354	72	785	77	5164
% PREVAL POR VELOCIDAD	22.5		19.3		12.5		2.9		9.2		10.8		6.8		15.2		0.8	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	12		8		6		4		6		6		6		11		0.5	166

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	4	5	2	3		5	3	3	6
1 - 2	4	5	3	1	6	3	3	3	3
2 - 3	3	6	2		5	5	2	3	5
3 - 4	2	7	2	1	4	4	4	2	5
4 - 5	4	5	2	1	4	4	4	2	5
5 - 6	4	5	4		3	5	3	2	5
6 - 7	3	6	3		4	6	1	2	6
7 - 8	6	6	2	1	4	4	3	2	3
8 - 9	8	6	2	2	3	4	1	1	4
9 - 10	6	6	1	4	4	2	2	5	1
10 - 11	8	2	3	2	4	3	1	6	2
11 - 12	9	2	4	3	3	4	1	5	
12 - 13	9	3	5	1	4	3	3	3	
13 - 14	6	3	4	2	2	4	4	5	1
14 - 15	6	2	7	1	3	4	3	4	1
15 - 16	1	4	10		4	3	4	4	1
16 - 17		7	9		3	5	5	2	
17 - 18	1	6	9		4	3	3	2	3
18 - 19	2	6	6	2	5	4	2	2	2
19 - 20	3	5	7	2	3	4	2	2	3
20 - 21	1	7	7	1	2	5	1	3	4
21 - 22	2	7	4	2	2	5	1	3	5
22 - 23	3	7	4	3		3	2	3	6
23 - 24	1	8	4	1	1	5	2	3	6
SUMAS	96	126	106	33	77	97	60	72	77
% de frec. por dirección	12.9	16.9	14.2	4.4	10.3	13.0	8.1	9.8	10.3

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

RADIACIÓN SOLAR

DÍAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9	19.6	6.6	1.06	0	5	5	
	10	25.1	10.2	1.21	0	5	5	
1	12	28.6	13.8	1.20	1	5	5	
	14	25.8	13.2	1.02	3	5	5	
	15	25.7	12.0	1.11	2	5	5	
	9	18.4	4.3	1.15	3	4	5	
	10	25.1	9.6	1.26	4	4	5	
2	12	32.4	14.5	1.46	7	4	5	
	14	14.2	9.3	0.40	8	0	5	
	15	16.3	9.7	0.54	8	1	5	
	9	18.9	5.6	1.08	1	5	5	
	10	24.2	9.0	1.24	0	5	5	
3	12	30.0	13.7	1.33	2	5	5	
	14	31.2	14.6	1.35	4	3	5	
	15	27.0	12.7	1.16	3	3	5	
	9	18.8	5.9	1.05	6	4	5	
	10	27.6	11.4	1.32	5	4	5	
4	12	28.3	13.6	1.20	8	4	5	
	14	22.9	12.5	0.84	8	4	5	
	15	23.4	12.4	0.88	8	4	5	
	9	20.4	8.7	0.95	8	4	5	
	10	25.9	12.0	1.13	8	4	5	
5	12	30.0	15.7	1.16	6	4	5	
	14	31.5	16.5	1.22	3	5	5	
	15	25.4	14.4	0.88	8	4	5	
	9	10.0	8.6	0.11	8	0	5	
	10	10.2	8.9	0.10	8	0	5	
6	12	13.1	10.6	0.20	8	0	5	
	14	12.3	11.2	0.09	8	0	5	
	15	13.0	11.4	0.13	8	0	5	
	9	12.3	8.4	0.32	8	0	5	
	10	14.7	9.7	0.41	8	0	5	
7	12	16.7	12.0	0.38	8	0	5	
	14	13.5	11.0	0.20	8	0	5	
	15	12.7	10.9	0.15	8	0	5	
	9				8	0	3	Am.
	10				8	0	3	Am.
8	12				8	0	3	Am.
	14				8	0	3	Am.
	15				8	0	3	Am.
	9				8	0	3	Am., Ne.
	10				8	0	4	Am.
9	12	17.6	13.7	0.32	8	0	4	Ne.
	14	15.2	13.2	0.16	8	0	4	Ne.
	15	13.6	13.0	0.05	8	0	4	Ne.
	9	16.2	13.5	0.22	8	0	4	
	10	13.6	12.6	0.08	8	0	5	
10	12				8	0	5	Am.
	14	13.9	12.0	0.15	8	0	5	
	15				8	0	3	Z., Ne.
	9	8.9	6.8	0.17	8	0	5	
	10	10.0	7.2	0.23	8	0	5	
11	12	12.2	8.2	0.32	8	1	5	
	14	15.6	9.4	0.50	8	2	5	
	15	13.9	8.8	0.41	8	2	5	
	9	15.6	4.8	0.88	0	3	2	N.
	10	24.5	9.3	0.24	0	5	4	Ne.
12	12	23.2	12.3	0.89	6	3	3	Ne.
	14	29.7	14.7	0.22	4	3	5	
	15	24.8	13.0	0.96	2	5	5	
	9	23.6	10.7	1.05	0	5	3	Ne.
	10	28.1	14.0	1.15	1	5	5	
13	12	32.7	17.3	1.25	2	5	5	
	14	28.4	16.7	0.95	8	4	5	
	15	31.2	17.7	1.10	7	4	5	
	9	9.7	6.5	0.26	8	1	5	
	10	23.0	11.7	0.92	7	3	5	
14	12	25.2	15.1	0.82	8	2	5	
	14	22.2	15.2	0.57	6	2	5	
	15	19.1	13.2	0.48	6	1	5	
	9				8	0	1	N., Am.
	10				8	0	2	Ne., Am.
15	12	16.2	9.7	0.53	8	0	3	Ne.
	14	15.0	9.6	0.44	8	0	3	Ne.
	15	28.3	13.9	1.17	7	4	5	
	9	9.8	8.4	0.11	8	0	5	
	10	14.1	10.0	0.33	8	0	5	
16	12	27.6	16.1	0.93	6	3	5	
	14	24.2	14.9	0.76	7	3	5	
	15	29.1	16.7	1.01	2	5	5	
	9	15.1	11.2	0.32	8	2	3	Ne.
	10	14.8	12.3	0.20	8	0	3	Ne.
17	12	21.6	15.3	0.51	8	0	4	
	14	16.9	14.5	0.20	8	0	4	
	15	22.0	16.5	0.45	8	3	4	
	9	23.5	10.0	1.10	0	5	5	
	10	29.6	13.6	1.30	0	5	5	
18	12	33.7	17.4	1.33	0	5	5	
	14	33.4	18.0	1.25	0	5	5	
	15	31.0	17.0	1.14	1	5	5	
	9	25.7	12.1	1.10	0	5	5	
	10	29.4	14.9	1.18	0	5	5	
19	12	34.6	19.2	1.25	2	5	5	
	14	27.1	18.2	0.72	7	3	5	
	15	21.0	16.1	0.40	7	2	5	
	9	27.8	14.2	1.10	0	5	5	
	10	32.2	17.1	1.23	0	5	5	B.
20	12	35.9	20.3	1.27	0	5	5	
	14	35.8	20.5	1.24	2	5	5	
	15	33.8	19.7	1.15	1	5	5	
	9	21.4	8.6	1.04	0	5	5	
	10	28.7	13.8	1.21	0	5	4	
21	12	34.6	18.6	1.30	0	5	5	
	14	33.7	18.4	1.24	0	5	5	
	15	31.6	17.2	1.17	0	5	5	
	9	23.1	9.8	1.08	0	5	5	
	10	28.9	14.3	1.19	0	5	5	
22	12	33.6	18.3	1.24	0	5	5	
	14	33.4	19.0	1.17	0	5	5	
	15	31.1	18.1	1.06	0	5	5	
	9	23.6	10.4	1.07	0	5	5	
	10	28.4	14.0	1.17	0	5	5	
23	12	32.6	17.6	1.22	1	5	5	
	14	32.7	17.8	1.21	0	5	5	
	15	30.7	17.4	1.08	0	5	5	
	9	22.0	8.0	1.14	0	5	5	
	10	27.0	11.5	1.26	0	5	5	
24	12	32.0	15.5	1.34	2	5	5	
	14	30.0	15.2	1.20	0	5	4	B.
	15	26.9	14.2	1.03	0	5	4	B.
	9	24.5	10.0	1.18	4	5	5	
	10	29.0	14.0	1.22	8	5	5	
25	12	30.5	16.0	1.18	8	5	5	
	14	29.1	16.3	1.04	8	4	5	
	15	31.8	17.1	1.20	6	4	5	
	9	16.2	8.7	0.61	8	3	5	
	10	25.9	12.9	1.06	6	4	5	
26	12	31.1	17.3	1.12	3	4	5	
	14	33.2	18.3	1.21	2	5	5	
	15	30.7	17.2	1.10	0	5	5	
	9	20.1	9.6	0.85	7	4	3	Ne.
	10	32.7	16.4	1.33	7	4	5	
27	12	35.3	20.3	1.32	7	4	5	
	14	34.4	21.0	1.09	8	4	3	B.
	15	33.2	19.7	1.10	7	4	5	
	9				8	0	3	LL., Ne.
	10	31.7	17.8	1.13	6	3	3	Ne.
28	12	34.5	21.7	1.04	7	2	4	Ne.
	14	22.6	17.7	0.40	8	1	3	Ne.
	15	19.6	17.7	0.15	8	0	3	Ne.
	9				8	0	3	Am., Ne.
	10	17.9	15.9	0.16	8	0	3	Ne.
29	12	36.6	22.4	1.15	7	2	4	Ne.
	14	23.0	20.1	0.24	8	0	5	
	15	23.2	19.6	0.29	7	1	5	
	9	31.0	21.8	0.75	6	4	5	
	10	28.0	21.8	0.50	6	3	5	
30	12	29.9	24.1	0.47	6	2	5	
	14	25.2	22.0	0.26	7	1	5	
	15	32.6	25.7	0.56	8	3	5	
	9	24.5	19.5	0.41	6	3	4	
	10	29.5	22.0	0.61	6	3	4	
31	12	40.0	26.5	1.10	3	5	4	
	14	39.6	27.4	0.99	6	4	4	
	15	34.0	25.5	0.69	7	4	4	

HELIOFANÍA

DÍAS \ HORAS	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H.EFECTIVA	H.TEÓR. ASTRON.	H.RELATIVA
1			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.3	9.8	95
2				0.5	1.0	1.0	0.8	0.7							4.0	9.8	41
3				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			8.5	9.8	87
4			0.5	1.0	1.0	1.0	1.0	1.0	0.7	1.0	0.5				7.7	9.8	79
5				0.3	1.0	1.0	1.0	1.0	1.0	1.0	0.2				6.5	9.8	66
6															0.0	9.8	00
7															0.0	9.9	00
8															0.0	9.9	00
9															0.0	9.9	00
10															0.0	9.9	00
11											0.6	0.5			1.1	9.9	11
12			0.3	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	0.6			8.8	9.9	89
13			0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			8.7	9.9	88
14			0.1	0.5	0.6		0.3	0.8	0.4	0.4					3.1	9.9	31
15									0.2	0.7	0.5				1.4	9.9	14
16						0.5	1.0	1.0	1.0	1.0	1.0	0.5			6.0	9.9	61
17										0.4	0.1				0.5	10.0	05
18			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			9.0	10.0	90
19			0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.1				7.5	10.0	75
20			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			9.0	10.0	90
21			0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8			9.6	10.0	96
22			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8			9.3	10.1	92
23			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8			9.3	10.1	92
24			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			9.0	10.1	89
25			0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.3	0.5			8.2	10.1	81
26					1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8			7.8	10.2	76
27				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8			8.8	10.2	86
28					0.4	0.7	0.2								1.3	10.2	13
29							0.5	0.3	0.1	0.3	1.0	0.3			2.5	10.2	24
30			0.2	1.0	1.0	0.3	0.7	1.0	0.9	0.9	0.6	0.1			6.7	10.3	65
31			0.1	0.2	1.0	0.9	1.0	1.0	1.0	1.0	0.4				6.6	10.3	64
Medias			0.2	0.5	0.6	0.6	0.7	0.7	0.6	0.7	0.6	0.3			5.5	10.0	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	8.0	9.8	8.7	8.6	9.4	9.2	7.8	8.0	8.0	9.2	9.0	9.2	-	-	-
2	6.9	9.1	8.7	7.6	8.6	8.8	7.2	7.3	7.6	8.7	8.2	8.3	-	-	-
3	6.2	8.7	8.2	6.8	8.1	8.4	6.5	6.9	7.4	8.2	7.8	7.9	-	-	-
4	6.0	8.6	8.1	5.6	6.8	8.1	6.3	6.3	6.5	7.7	7.7	7.8	-	-	-
5	6.8	9.0	8.6	7.1	8.1	8.4	6.1	6.2	6.4	7.1	7.3	7.5	-	-	-
6	8.3	9.0	9.3	8.0	8.5	7.9	6.9	6.2	7.3	7.8	7.5	7.8	-	-	-
7	8.5	9.6	9.6	8.4	9.1	9.3	7.1	7.2	7.5	7.6	7.6	8.0	-	-	-
8	9.1	9.4	9.6	8.9	9.2	9.4	7.4	7.5	7.7	8.1	8.1	8.3	-	-	-
9	9.9	11.2	10.3	9.7	10.4	10.6	8.3	8.3	8.5	8.7	8.7	8.8	-	-	-
10	11.2	11.7	11.7	10.8	11.2	11.2	9.9	9.3	9.3	9.2	3.4	8.4	-	-	-
11	10.4	10.5	9.7	10.3	10.4	9.8	8.9	8.7	8.5	9.3	9.2	9.2	-	-	-
12	7.7	9.8	8.9	8.2	9.2	9.3	7.6	7.7	7.8	8.7	8.6	8.5	-	-	-
13	7.5	10.3	8.7	7.8	9.2	9.4	7.2	7.4	7.8	8.3	8.3	8.3	-	-	-
14	7.8	10.2	10.4	8.1	9.1	9.7	7.3	7.4	7.6	8.2	8.2	8.3	-	-	-
15	9.8	10.6	8.6	9.6	9.9	9.6	7.8	7.8	8.0	8.2	8.3	8.6	-	-	-
16	9.3	11.2	10.2	9.0	9.9	10.0	7.5	7.8	8.2	8.4	8.5	8.6	-	-	-
17	9.3	11.0	10.7	9.2	10.1	10.4	7.7	7.9	8.3	8.4	8.4	8.6	-	-	-
18	7.8	10.3	9.8	8.5	9.6	9.8	7.5	7.6	8.3	8.4	8.2	8.6	-	-	-
19	8.2	10.6	10.6	8.3	9.4	10.2	7.4	7.5	8.0	8.2	8.3	8.6	-	-	-
20	9.6	11.6	10.6	9.4	10.6	10.6	7.9	8.2	8.6	8.3	8.5	8.6	-	-	-
21	8.2	11.2	9.6	8.8	9.9	9.9	8.0	8.2	8.4	8.7	8.8	8.8	-	-	-
22	7.6	10.5	9.6	8.1	9.4	9.5	7.3	7.4	7.6	8.0	8.0	8.1	-	-	-
23	7.8	10.6	9.5	8.1	9.3	9.4	7.3	7.4	7.7	8.2	8.1	8.2	-	-	-
24	6.6	9.5	8.3	7.4	8.7	8.7	6.6	6.6	7.2	7.8	7.4	7.3	-	-	-
25	6.4	9.6	8.6	7.0	8.4	8.6	6.2	6.3	7.0	6.5	7.0	7.4	-	-	-
26	6.9	10.3	9.3	7.3	8.9	9.4	6.6	6.8	7.2	7.5	7.6	7.8	-	-	-
27	7.0	10.7	10.1	7.5	9.3	9.7	6.6	6.9	7.8	7.2	7.4	7.8	-	-	-
28	9.2	12.0	12.0	9.1	10.6	11.2	7.6	7.9	8.6	8.2	8.2	8.6	-	-	-
29	11.7	13.6	13.7	11.1	12.2	12.8	9.0	9.1	10.0	9.0	9.2	9.7	-	-	-
30	13.8	16.0	15.5	13.0	14.2	14.4	10.3	11.0	11.7	10.0	10.6	11.0	-	-	-
31	14.0	16.7	16.4	13.6	14.8	5.3	11.3	11.6	12.4	11.0	11.2	11.6	-	-	-
Prom.	8.6	10.4	10.1	8.8	9.8	9.6	7.6	7.6	8.2	8.3	8.3	8.5	-	-	-

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	0.3	0.6	0.5	1.3	E.22	22.4	19.7	21.2			10671
2					1	0.2	0.4	0.3	0.8							10671
3					1	0.1	0.5	0.3	0.9							10666
4					1	0.1	0.6	0.5	1.4							10663
5					1	0.3	1.1	0.9	2.7							10658
6					0	0.7	0.3	0.2	0.6	E.23	21.8	19.8	22.4			10673
7	0.0	0.0	0.0	0.0	0	0.1	0.6	0.5	1.2							10648
8	0.0	0.0	0.0	0.0	0	0.1	0.2	0.1	0.3							10643
9	1.6	1.9	1.2	1.1	0	0.0	0.0	0.2	0.3							10643
10	0.0	0.2	0.0	0.0	1	0.1	0.1	0.1	0.5							10637
11					1	0.3	0.5	0.4	0.9	E.24	21.6	19.8	21.0	22.5		10642
12					1	0.0	0.5	0.5	1.0							10645
13					0	0.0	0.6	0.7	1.5							10645
14	1.5	2.0	1.0	0.8	0	0.2	0.7	0.5	1.4							10642
15					2	0.2	0.1	0.2	0.5							10635
16					1	0.2	0.2	0.4	0.7	E.25	20.8	20.3	24.3			10632
17					1	0.1	0.4	0.0	0.6							10626
18					0	0.2	0.8	0.8	2.2							10635
19					0	0.6	1.4	0.7	3.1							10634
20					0	1.0	1.0	1.0	2.5							10625
21					0	0.5	0.6	0.8	1.4	E.26	20.4	19.6	23.6			10629
22					0	0.0	1.4	1.1	3.1							10638
23					0	0.6	0.9	1.1	2.3							10635
24					0	0.3	0.6	0.5	1.2							10641
25					0	0.1	0.9	0.8	2.2							10443
26					0	0.5	0.7	0.4	1.1	F. 1	20.1	20.9	25.9			10642
27					0	0.0	0.6	0.7	1.5							10638
28	10.6	11.2	10.4	9.4	0	0.2	0.1	0.3	0.4							10637
29	2.1	3.0	1.6	1.5	2	0.0	0.3	0.0	0.7							10829
30	0.0	0.0	0.0	0.0	2	0.4	1.4	0.6	2.2							10629
31	8.5	8.3	8.0	8.0	2	0.2	0.9	0.5	1.6							10632
Prom.	24.3	26.6	22.2	20.8	-	0.3	0.6	0.5	1.4	-	-	-	-	-	-	10643

0.50 m.			1 m.			2 m.	3 m.	Temper. Mínima de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos
8^h	14^h	20^h	8^h	14^h	20^h	8^h	8^h		
-	-	-	14.4	14.4	14.3	16.4	-	- 2.5	Ca. m. t. y n., h. m., r. n.
-	-	-	14.2	14.3	14.1	16.4	-	- 5.4	Cn. m. y t., Ca. n., h. m., R. r. n.
-	-	-	13.9	14.0	13.9	16.6	-	- 6.2	Ca. m. y n., Cn. t., h. m., r. n.
-	-	-	13.7	13.7	13.6	16.6	-	- 6.1	Cn. m. t. y n., h. m., r. Jl. n.
-	-	-	13.4	13.4	13.4	16.6	-	- 2.4	Cn. m. t. y n., h. m.
-	-	-	13.4	13.3	13.3	16.7	-	3.5	Cn. m. t. y n., r. m.
-	-	-	13.1	13.1	13.3	16.5	-	1.1	Cn. m. t. y n., r. m., Dl. n.
-	-	-	13.0	13.0	13.0	16.7	-	3.0	Cn. m. t. y n., Z. m. y t., Ne. m. t. y n.
-	-	-	13.0	13.0	13.0	16.6	-	8.8	Cn. m. t. y n., Ne. m. t. y n., Z. t. y n, N.n.
-	-	-	13.0	13.1	13.1	16.4	-	9.7	Cn. m. t. y n.. Ne. m., Z. t. y n.
-	-	-	13.1	13.2	13.0	16.3	-	4.9	Cn. m. y t., Ca. n., Z. m.
-	-	-	13.0	13.0	13.1	16.4	-	- 4.0	Cn. m. y t, Ca. n, N. h. m, Ne. t, N. n.
-	-	-	12.9	13.0	13.0	16.3	-	- 1.8	Ca. m. y n., Cn. t., Ns. m., Ne. t. y n.
-	-	-	12.9	12.8	12.8	16.1	-	- 1.8	Cn. m. t. y n., Z. n.
-	-	-	12.8	12.8	12.8	16.0	-	5.8	Cn. m. y t, Ca. n, N. m, Ne. t, Ns. r. n.
-	-	-	12.8	12.8	12.7	16.1	-	- 0.5	Cn. m. t. y n., Ns. Dl. dv. n.
-	-	-	12.8	12.8	12.8	16.0	-	1.3	Cn. m. t. y n., Ns. m., Ne. m. y t., r. n.
-	-	-	12.6	12.7	12.7	16.0	-	- 3.9	Ca. m. t. y n., h. m., r. n.
-	-	-	12.5	12.6	12.6	15.9	-	- 2.0	Ca. m. y n., Cn. t.
-	-	-	12.7	12.7	12.7	15.9	-	1.5	Ca. m. t. y n., r. m.
-	-	-	12.5	12.6	12.5	15.8	-	- 4.1	Ca. m. t. y n., h. m., Ns. m.
-	-	-	12.5	12.6	12.6	15.8	-	- 3.5	Ca. m. t. y n., Ns. Ne. m., r. n.
-	-	-	12.5	12.5	12.5	15.8	-	- 2.1	Ca. m. t. y n.
-	-	-	12.3	12.4	12.4	15.7	-	- 5.4	Ca. m. t. y n., h. m., B. t., Ne. n.
-	-	-	12.3	12.4	12.4	15.6	-	- 4.4	Cn. m. y t., Ca. n, h. m, Ds. t, Ns. m, r. n.
-	-	-	12.3	12.4	12.2	15.6	-	- 1.6	Cn. m., Ca. t. y n., Ne. m., Ns. N. n.
-	-	-	12.2	12.3	12.4	15.5	-	- 2.4	Cn. m. y t.. Ca. n., N. m., Ne. B. t., r. n.
-	-	-	12.2	12.2	12.2	15.5	-	1.5	Cn. m. t. y n, Ne. m. t. y n, LL. m, CH. t. y n, N. Ru. n.
-	-	-	12.3	12.4	12.4	15.6	-	8.5	Cn. m. y t, Ca. n, CH. N. m, Ne. LL. t, CH. Ru. R. n.
-	-	-	12.5	12.4	12.5	15.3	-	17.5	Cn. m. y t., Ca. n., CH. LL. t, Ns. N. R. n.
-	-	-	12.6	12.6	12.6	15.4	-	10.1	Cn. m. t. y n., R. n.
-	-	-	12.9	12.9	12.9	16.1	-	0.4	

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	63.2	70.4	1,2	23,10	51.5	10	5-6	6.5	10.5	2.9	12.4	5	14-15	- 3.9	4	7	3.6	9.8	37
2ª	61.0	67.9	11,12	24,0	56.1	19	19	7.8	13.3	3.1	17.2	20	15	- 0.5	12	8	5.5	9.9	55
3ª	61.2	68.6	24	10	52.2	31	16	10.1	16.8	4.3	24.0	31	13,14	- 1.3	25	7	7.2	10.2	71
MES	61.8	70.4	1,2	23,10	51.5	10	5-6	8.2	13.6	3.4	24.0	31	13,14	- 3.9	4	7	5.5	10.0	55

DÉCADA	HUMEDAD DEL AIRE								VIENTO									LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas				Instantáneas								
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Velocidad Máxima	Dirección	Día	Hora	Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	%	%		%		mm. mb.	mm. mb.	mm. mb.		Km/h	Km/h		Km/h			Km/h				mm.	mm.		mm.		
1ª	88	100	varios	47	5	6.3	10.0	3.2	NE	11	60	5	24	5	11-12	37	N	5	10.44	2.1	1.9	9	1.3	9	17-18
2ª	87	100	varios	37	20	6.6	10.5	4.1	NW	11	72	19	23	19	10-11 11-12	36	N	19	10.51	2.0	2.0	14	1.0	14	20-21
3ª	84	100	varios	37	21	8.0	15.0	4.0	N	12	72	30	28	30	12-13	48	W	23	11.31	22.5	11.2	28	8.0	28	19-20
MES	86	100	varios	37	20,21	7.0	15.0	3.2	N	12	72	19; 30	28	30	12-13	48	W	23	11.31	26.6	11.2	28	8.0	28	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	1	-	3	1	-	-	-	-	3	-	-	-	-	-	-	-	1
2ª		-	4	3	3	-	-	-	2	-	-	-	-	-	-	-	-
3ª	-	3	8	6	5	-	-	2	1	-	3	-	-	-	2	2	2
MES	1	3	15	10	8	-	-	2	6	-	3	-	-	-	2	2	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	6	1	-	-	-	-	1	-	1	-	-	2	8	4	-	-
2ª	2	-	-	-	-	-	-	-	-	-	-	3	4	1	-	-
3ª	4	-	-	-	-	1	-	-	-	-	-	4	4	5	-	-
MES	12	1	-	-	-	1	1	-	1	-	-	9	16	10	-	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. IX AGOSTO 1954 Nº 8

RESUMEN MENSUAL

En la madrugada del 1º entre el límite del aire tropical y del marítimo fresco reinantes se forma una depresión sobre el Río de la Plata. La presión atmosférica baja al mínimo mensual de 750.4 mmHg, lloviendo copiosamente. Con la afluencia del aire frío baja la temperatura en los días siguientes y sube la presión en forma marcada. El tiempo se mantiene con todo inestable, generándose una sudestada que provoca lluvias ininterrumpidas desde la tarde del 5 hasta la noche del 6. Con el cambio del viento al Oeste se despeja el cielo el día 7 reinando hasta el fin de la década tiempo bueno y seco con noches frías (el día 10 baja el termómetro a -1.9°C, valor mínimo mensual) y días relativamente calientes debido a la ya intensa insolación. En esta masa de aire polar alcanzan la tensión del vapor y la humedad relativa sus valores mínimos mensuales con 3.8 mmHg y 37% respectivamente.

Al principio de la segunda década gira hacia el Norte la dirección predominante del viento, con lo que la temperatura y la humedad aumentan rápidamente. Desde el 10 hasta el 16 sube la temperatura media diaria de 5.9°C a 22.7°C y la mínima diaria de -1.9°C hasta 17.9°C. El día 16 regístrase también la temperatura máxima del mes con 28.6°C. En lo que respecta a la tensión del vapor, sube en este mismo lapso hasta 16 mmHg. Con el avance lento de una masa de aire fresco desde el Sud, el tiempo empeora el 17, lloviendo después del pasaje de un frente frío la tarde del 18. La temperatura que fué de 9°C sobre la normal en los días anteriores, vuelve al nivel correspondiente al mes de agosto. El fin de la 2a. década está caracterizado por el predominio de aire polar con tiempo bueno, fresco y seco.

Los primeros 3 días de la última década se mantiene todavía el tiempo bueno. Con un nuevo empuje de aire polar cambia el viento al Este el día 24. Las aeromasas marítimas y frescas producen una fuerte nubosidad. El desplazamiento lento del centro del anticiclón frío desde el Sud de la Provincia de Buenos Aires hacia el Atlántico eleva ininterrumpidamente la presión atmosférica hasta registrar el máximo mensual con 773.8 mmHg el día 27. Por la misma causa gira el viento al sector norte con temperatura en rápido ascenso. Intensa advección de masas de aire calientes y húmedas y al mismo tiempo el avance de aire polar motivan condiciones atmosféricas sumamente inestables. Con el pasaje de un frente frío en la noche del 30 al 31 se desencadenan lluvias intensas y la primera tormenta eléctrica de la primavera (tormenta de Santa Rosa).

En los términos medios mensuales la desviación positiva más grande viene dada por la temperatura con 1.7°C. De la misma desviación positiva, relativamente pequeña de la tensión del vapor de 0.6 mmHg resulta un valor medio mensual de la humedad relativa en un 4% por debajo de su término medio, lo que indica el estado relativamente seco de las masas de aire de origen tropical. Los otros elementos no acusan mayores desviaciones, siendo ligeramente superior a la normal sólo la lluvia, con un total de 76 mm.

POTENCIAL ATMOSFÉRICO en V/M.

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	69	76	90	90	± ∞	± ∞	∞	∞	-	-	28	- 76	- 21	34	69
2	76	76	90	76	76	62	55	104	159	131	152	200	145	145	117
3	90	83	90	83	117	117	124	145	159	145	124	131	124	110	124
4	83	83	83	83	90	90	97	104	117	124	104	110	145	138	124
5	259	278	284	284	291	291	291	259	252	239	233	124	110	124	239
6	- 34	41	48	- 14	28	41	- 76	-104	-138	-124	-124	21	14	7	- 69
7	97	90	97	104	104	104	97	110	131	138	131	117	97	97	117
8	213	152	159	239	97	117	124	179	179	220	213	124	90	97	97
9	90	90	97	90	55	55	55	62	76	104	104	110	104	104	-
10	110	159	207	207	284	252	272	333	460	310	246	207	193	207	193
11	117	124	152	152	145	152	90	159	200	252	138	138	131	117	138
12	152	152	166	152	152	124	117	110	131	193	207	207	179	117	124
13	90	69	76	41	41	14	14	83	97	83	83	83	83	90	76
14	97	90	90	76	76	48	21	83	76	90	104	110	104	124	186
15	110	104	110	138	145	110	90	41	124	159	152	97	-	-	-
16	76	110	104	83	90	124	131	145	172	159	131	104	124	166	179
17	69	76	90	110	110	110	76	110	138	145	145	207	48	41	76
18	138	62	76	69	62	124	97	97	220	138	152	117	76	34	28
19	-	-	-	-	34	41	- 48	- 41	- 69	104	110	110	104	97	104
20	138	124	124	124	117	104	97	124	207	152	193	159	104	110	104
21	117	233	259	345	207	186	124	220	380	233	159	152	152	179	207
22	110	124	110	117	104	110	124	152	166	193	200	152	166	166	166
23	104	97	117	110	104	69	83	159	159	138	145	145	124	104	131
24	62	83	104	152	186	207	233	291	239	239	97	159	200	259	284
25	104	48	- 14	- 83	97	55	83	124	- 62	179	265	265	265	312	304
26	104	124	145	159	131	83	83	213	110	104	138	166	166	145	152
27	69	69	62	48	55	83	124	152	117	104	83	83	69	62	69
28	34	34	28	34	41	41	-	-	-	-	-	-	-	-	-
29	69	69	83	83	76	83	76	83	83	83	104	90	83	83	117
30	41	34	28	28	34	14	-	28	48	90	131	62	48	28	28
31	34	28	41	- 7	28	55	14	34	34	131	138	207	110	193	259
Prom.	102.8	111.5	122.7	131.7	122.2	117.1	113.0	156.6	178.0	165.9	148.1	145.3	128.6	129.8	142.4

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	0.66	0.83	1.49	0.79	542	564	1106	0.96	0.85	1.03
2	0.54	0.56	1.10	0.96	686	677	1263	1.01	0.55	0.58
3	0.59	0.61	1.20	0.97	795	834	1629	0.95	0.53	0.51
4	0.52	0.53	1.05	0.98	599	595	1194	1.00	0.61	0.62
5	0.32	0.40	0.72	0.80	354	315	669	1.12	0.63	0.89
6	0.81	1.08	1.89	0.80	471	790	1261	0.60	1.20	0.96
7	0.74	0.75	1.49	0.99	677	890	1567	0.76	0.77	0.59
8	0.58	0.59	1.17	0.98	438	332	770	1.32	0.93	1.24
9	1.04	1.14	2.18	0.91	1014	1205	2219	0.84	0.72	0.66
10	0.62	0.67	1.29	0.92	574	645	1219	0.89	0.75	0.72
11	0.47	0.52	0.99	0.90	318	287	605	1.11	1.03	1.27
12	0.48	0.52	1.00	0.92	289	230	519	1.26	1.16	1.58
13	0.44	0.50	0.94	0.88	242	182	424	1.33	1.27	1.92
14	0.56	0.62	1.18	0.90	231	207	438	1.11	1.69	2.09
15	0.54	0.60	1.14	0.90	217	202	419	1.07	1.74	2.08
16	0.62	0.67	1.29	0.92	278	299	577	0.93	1.55	1.57
17	0.49	0.54	1.03	0.91	256	245	501	1.04	1.34	1.54
18	0.58	0.63	1.21	0.92	386	383	769	1.00	1.05	1.15
19	0.82	0.74	1.56	1.11	698	766	1464	0.90	0.82	0.67
20	0.85	0.82	1.67	1.03	763	630	1393	1.05	0.78	0.91
21	0.50	0.54	1.04	0.93	413	395	808	1.05	0.85	0.95
22	0.60	0.63	1.23	0.95	484	531	1015	0.91	0.87	0.83
23	0.70	0.71	1.41	0.99	580	492	1072	1.18	0.84	1.10
24	0.34	0.40	0.74	0.85	223	256	529	1.06	0.87	1.09
25	0.40	0.47	0.87	0.85	294	293	587	1.00	0.95	1.12
26	0.43	0.49	0.92	0.88	326	377	703	0.86	0.92	0.91
27	0.74	0.76	1.50	0.97	668	680	1348	0.98	0.77	0.78
28	0.81	0.88	1.69	0.92	627	732	1359	0.86	0.90	0.84
29	0.76	0.78	1.54	0.97	423	429	852	0.99	1.25	1.27
30	0.68	0.75	1.43	0.91	369	400	769	0.92	1.29	1.31
31	0.36	0.40	0.76	0.90	372	250	622	1.48	0.68	1.12
Prom.	0.58	0.63	1.21	0.92	463	462	925	1.00	0.88	0.96

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplit.	Tipo de Curva
48	55	41	48	28	21	-	-	-		∞	- ∞	-	3 *
124	90	104	110	110	110	97	69	83	106.7	246	41	205	0
124	124	124	110	104	104	90	90	90	113.6	252	55	197	0
152	159	200	226	246	220	226	259	297	148.3	316	41	275	0
- ∞	200	-	-	-	166	138	69	-		∞	- ∞	-	3 *
-152	34	- 41	- 41	- 34	- 7	41	- 48	69		226	-430	656	2
124	131	186	193	272	333	345	193	252	152.5	716	76	640	0
104	117	145	152	166	124	90	83	83	140.2	357	76	281	0
-	-	-	-	-	145	138	110	104		179	48	131	0 *
226	265	284	310	272	213	179	159	131	236.6	634	90	544	0
179	233	220	304	265	193	166	159	166	170.4	495	28	467	0
166	186	186	207	138	152	145	110	90	152.6	345	34	311	0
104	117	117	104	90	76	97	152	131		207	- 41	248	2
166	152	145	145	138	131	138	124	110	109.3	310	- 14	324	1
-	-	-	-	-	-	-	-	-		220	14	206	0 *
152	145	159	159	152	124	110	83	76	127.4	272	34	238	0
110	104	179	186	90	110	124	138	76	111.2	420	- 28	448	1
28	28	7	14	62	-104	- 14	14	14		402	-502	904	2
131	138	200	186	233	200	166	166	166		∞	- ∞	-	3 *
117	110	97	124	172	193	239	186	304	146.8	449	62	387	0
179	193	339	380	252	213	186	145	117	218.9	764	- 90	854	1
166	284	252	310	246	233	246	200	83	174.2	460	55	405	0
117	110	104	186	233	152	117	131	90	126.2	471	28	443	0
304	304	284	252	200	193	110	104	110	194.0	385	21	364	0
322	333	291	259	272	239	179	131	110		716	-778	1494	2
179	186	152	117	97	104	90	90	110	131.2	322	7	315	0
83	104	110	145	83	90	62	48	69	85.1	220	14	206	0
-	-	-	-	-	-	-	-	76		83	21	62	0 *
97	104	110	117	110	104	76	55	48	86.9	246	28	218	0
69	97	97	138	83	69	59	41	34		193	00	193	0 *
186	316	333	368	350	278	179	166	110		460	-477	937	2
151.0	163.2	177.9	196.5	176.1	162.9	149.3	127.7	125.5	143.6				

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^-		
4637	5794	10431	0.80	-	-
2056	2504	4560	0.82	3.92	-
2280	2579	4859	0.88	5.44	12,000
5049	5534	10583	0.92	5.18	26,500
6807	7064	13871	0.96		-
1533	1944	3477	0.79	-	12,000
5812	4866	10678	1.19	7.58	18,500
3888	3963	7851	0.98	5.47	9,250
2819	3105	5924	0.91	-	10,500
6653	6757	12410	0.98	10.15	-
6691	6794	13485	0.99	5.63	9,250
3761	4411	8172	0.85	5.08	21,000
7775	8694	16469	0.89	-	-
5756	6838	12594	0.84	4.30	-
8599	8862	17461	0.97	-	22,750
4299	4560	8859	0.94	5.48	10,750
7627	8449	15076	0.90	3.82	9,500
6765	7103	13868	0.95	-	11,500
4073	4633	8706	0.88	-	21,000
6170	7277	13447	0.85	8.17	21,000
10019	10689	20708	0.93	7.60	41,750
7518	8004	15522	0.94	7.18	36,250
6621	7220	13841	0.92	5.96	15,750
13610	13829	27439	0.98	4.78	123,000
11214	11702	22916	0.96	-	61,500
14466	15600	30066	0.92	4.03	33,250
5045	5196	10241	0.97	4.26	28,500
3739	4224	7963	0.89	-	4,000
3962	4448	8410	0.89	4.46	-
5492	5972	11464	0.92	-	8,750
9005	9642	18647	0.94	-	40,500
6310	6782	13092	0.93	5.71	25,364

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	0.34	0.35	0.39	0.38	0.59	0.16	0.40	0.71	0.91	0.68	0.76
2	-	0.77	0.74	0.76	0.79	0.65	0.52	0.46	0.40	0.50	0.40	0.37
3	-	-	-	-	-	-	-	0.60	0.49	0.43	0.41	0.44
4	0.81	0.44	0.73	0.90	0.89	0.85	0.70	0.58	0.59	0.49	0.45	0.36
5	0.29	0.32	0.40	0.55	0.52	0.38	0.49	0.37	0.42	0.36	0.26	0.26
6	0.86	0.86	0.61	0.78	0.92	0.82	0.61	0.69	0.82	0.79	0.91	0.89
7	0.89	0.89	0.95	0.99	1.02	0.94	0.94	0.98	0.86	-	-	-
8	0.35	0.49	0.52	0.50	0.49	0.54	0.64	0.46	0.48	0.47	0.43	0.52
9	0.92	0.92	0.87	1.02	1.22	1.24	1.21	1.15	1.08	0.92	0.91	1.05
10	-	-	-	-	-	-	-	0.29	0.33	0.39	0.52	0.86
11	0.66	0.56	0.40	0.65	0.41	0.39	0.35	0.45	0.44	0.43	0.36	0.60
12	0.53	0.44	0.49	0.50	0.36	0.43	0.59	0.40	0.40	0.40	0.45	0.45
13	0.38	0.30	0.33	0.32	0.33	0.31	0.31	0.41	0.48	0.52	0.50	0.72
14	0.35	0.40	0.41	0.49	0.48	0.53	0.50	0.62	0.53	0.45	0.62	0.61
15	0.30	0.35	0.53	0.47	0.35	0.22	0.28	0.29	0.36	0.43	0.55	0.66
16	0.86	0.80	0.78	0.86	0.88	0.74	0.64	0.68	0.50	0.43	0.45	0.54
17	0.46	0.46	0.48	0.46	0.37	0.36	0.44	0.42	0.41	0.39	0.43	0.48
18	0.58	0.51	0.54	0.59	0.63	0.65	0.63	0.62	0.78	0.64	0.49	0.42
19	-	-	-	-	-	-	-	1.11	1.00	1.01	0.93	0.98
20	0.63	0.77	0.80	0.76	0.95	1.00	1.15	1.03	0.81	0.81	1.09	0.79
21	0.32	0.33	0.35	0.36	0.46	0.47	0.34	0.34	0.37	0.45	0.63	0.68
22	0.67	0.63	0.65	0.76	0.73	0.70	0.78	0.68	0.61	0.68	0.71	0.76
23	0.57	0.55	0.86	0.75	0.80	0.83	0.89	0.86	0.76	0.78	0.89	0.81
24	0.32	0.28	0.28	0.35	0.31	0.34	0.36	0.28	0.31	0.36	0.32	0.37
25	0.38	0.35	0.40	0.40	0.47	0.81	0.75	0.41	0.44	0.40	0.30	0.30
26	0.32	0.31	0.26	0.34	0.39	0.37	0.33	0.43	0.57	0.65	0.38	0.37
27	0.71	0.81	1.05	0.88	1.05	0.66	0.54	0.51	0.48	0.76	-	-
28	-	-	-	-	-	-	-	-	1.00	0.91	0.77	0.65
29	-	-	-	-	-	-	-	-	0.56	0.52	0.54	0.66
30	-	-	-	-	-	-	-	-	-	0.60	0.54	0.52
31	-	-	-	-	-	-	-	0.56	0.49	0.35	0.35	0.35
Promedio	0.54	0.54	0.57	0.62	0.63	0.62	0.59	0.57	0.58	0.57	0.56	0.59

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	0.42	0.44	0.46	0.47	0.61	0.68	1.04	0.40	1.06	1.16	0.90	1.17
2	0.66	0.77	0.68	0.73	0.61	0.73	0.51	0.47	0.42	0.46	0.44	0.42
3	-	-	-	-	-	-	-	0.55	0.36	0.46	0.49	0.44
4	0.65	0.67	0.76	0.76	0.89	0.80	0.69	0.55	0.59	0.49	0.44	0.44
5	0.29	0.32	0.23	0.44	0.46	0.34	0.37	0.40	0.42	0.40	0.32	0.34
6	1.05	0.97	0.81	0.95	0.95	0.90	1.04	1.15	1.31	1.26	1.14	1.07
7	0.87	0.90	1.00	1.00	1.05	0.91	0.86	0.87	1.02	-	-	-
8	0.40	0.55	0.49	0.40	0.60	0.51	0.57	0.47	0.55	0.51	0.58	0.62
9	0.95	0.95	0.97	1.09	1.36	1.34	1.29	1.19	1.14	0.97	1.04	1.14
10	-	-	-	-	-	-	-	0.29	0.32	0.44	0.79	1.09
11	0.77	0.68	0.58	0.74	0.46	0.51	0.51	0.51	0.51	0.48	0.42	0.51
12	0.60	0.49	0.51	0.53	0.46	0.49	0.65	0.42	0.44	0.49	0.51	0.53
13	0.46	0.42	0.42	0.40	0.37	0.40	0.42	0.53	0.62	0.60	0.89	0.77
14	0.46	0.46	0.51	0.62	0.58	0.62	0.58	0.64	0.59	0.62	0.80	0.76
15	0.36	0.49	0.64	0.55	0.37	0.29	0.32	0.31	0.48	0.51	0.79	0.64
16	0.91	0.83	0.80	0.90	0.87	0.74	0.64	0.62	0.51	0.51	0.53	0.65
17	0.55	0.55	0.55	0.50	0.46	0.42	0.47	0.49	0.46	0.48	0.46	0.57
18	0.65	0.58	0.56	0.72	0.73	0.65	0.65	0.78	0.65	0.57	0.51	0.49
19	-	-	-	-	-	-	-	1.26	0.69	0.82	1.04	0.94
20	0.60	0.63	0.87	1.02	1.03	1.05	0.83	0.97	0.74	0.94	1.12	0.87
21	0.37	0.36	0.32	0.32	0.42	0.42	0.38	0.36	0.37	0.58	0.77	0.78
22	0.74	0.72	0.81	0.72	0.81	0.82	0.67	0.57	0.72	0.69	0.81	0.82
23	0.47	0.56	0.65	0.72	0.91	0.98	0.87	0.78	0.77	0.79	0.90	0.85
24	0.37	0.25	0.29	0.37	0.37	0.34	0.36	0.34	0.38	0.44	0.42	0.51
25	0.42	0.42	0.53	0.59	0.64	0.78	0.79	0.51	0.56	0.39	0.28	0.35
26	0.37	0.34	0.32	0.37	0.44	0.38	0.37	0.51	0.60	0.66	0.47	0.51
27	0.76	0.69	1.01	1.02	1.02	0.76	0.51	0.46	0.60	-	-	-
28	-	-	-	-	-	-	-	-	1.01	0.99	0.80	0.72
29	-	-	-	-	-	-	-	-	0.69	0.59	0.69	0.72
30	-	-	-	-	-	-	-	-	-	0.69	0.60	0.72
31	-	-	-	-	-	-	-	0.55	0.51	0.37	0.40	0.36
Promedio	0.59	0.58	0.62	0.66	0.69	0.66	0.64	0.60	0.64	0.63	0.67	0.68

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
0.72	1.02	0.99	0.94	0.83	0.74	0.67	0.72	0.72	0.69	0.61	1.03	0.66
0.30	0.20	0.37	0.46	0.80	0.49	0.59	0.64	0.49	0.74	-	-	0.54
0.49	0.55	0.68	0.59	0.60	0.59	0.69	0.78	0.70	0.83	0.72	0.45	0.59
0.40	0.48	0.47	0.45	0.55	0.53	0.48	0.37	0.30	0.28	0.26	0.26	0.52
0.34	0.37	0.28	0.19	0.40	0.26	0.38	0.31	0.36	0.35	0.56	0.57	0.37
0.92	1.04	1.00	0.67	0.63	0.69	0.58	0.71	0.69	0.96	0.99	0.94	0.81
0.96	1.03	0.78	0.85	0.72	0.56	0.52	0.43	0.33	0.35	0.32	0.31	0.74
0.70	0.72	0.66	0.58	0.56	0.56	0.57	0.50	0.61	0.79	0.89	0.92	0.58
0.94	1.11	-	-	-	-	-	-	-	-	-	-	1.04
0.86	0.75	0.73	0.74	0.83	1.01	0.41	0.41	0.50	0.55	0.62	0.68	0.62
0.45	0.72	0.76	0.53	0.58	0.37	0.32	0.29	0.39	0.41	0.36	0.37	0.47
0.49	0.55	0.56	0.63	0.60	0.50	0.41	0.48	0.46	0.40	0.63	0.32	0.48
0.75	0.69	0.61	0.57	0.63	0.66	0.39	0.23	0.28	0.32	0.23	0.18	0.44
0.73	0.58	0.51	0.44	0.69	0.65	0.86	0.64	0.43	0.74	0.63	0.47	0.56
0.35	0.66	0.79	0.74	0.55	0.52	0.46	0.79	0.84	0.74	0.91	0.94	0.54
0.60	0.56	0.64	0.63	0.56	0.54	0.56	0.58	0.55	0.51	0.50	0.49	0.62
0.45	0.48	0.55	0.54	0.63	0.41	0.46	0.49	0.54	0.73	0.70	0.73	0.49
0.46	-	-	-	-	-	-	-	-	-	-	-	0.58
0.92	0.95	1.04	1.01	0.84	0.77	0.73	0.56	0.47	0.47	0.51	0.56	0.82
0.97	1.06	1.02	1.18	1.09	1.27	0.86	0.71	0.55	0.40	0.37	0.37	0.85
0.76	0.67	0.74	0.60	0.60	0.52	0.32	0.35	0.52	0.55	0.60	0.58	0.50
0.76	0.59	0.55	0.54	0.50	0.55	0.39	0.35	0.36	0.38	0.51	0.57	0.60
0.87	0.88	0.95	0.66	0.76	0.81	0.63	0.40	0.34	0.37	0.43	0.41	0.70
0.38	0.40	0.35	0.39	0.42	0.40	0.36	0.31	0.32	0.41	0.28	0.32	0.34
0.30	0.36	0.38	0.37	0.40	0.37	0.36	0.35	0.39	0.37	0.31	0.29	0.40
0.48	0.58	0.52	0.61	0.43	0.33	0.26	0.26	0.23	0.51	0.71	0.68	0.43
-	-	-	-	-	-	-	-	-	-	-	-	0.74
0.70	0.80	0.87	-	-	-	-	-	-	-	-	-	0.81
-	-	0.75	0.72	0.71	1.00	0.82	0.84	0.86	1.02	0.81	0.87	0.76
0.66	0.69	0.72	0.89	0.82	0.68	-	-	-	-	-	-	0.68
0.46	0.43	0.41	0.37	0.36	0.29	0.41	0.38	0.29	0.24	0.18	0.28	0.36
0.63	0.68	0.67	0.62	0.63	0.60	0.52	0.50	0.48	0.54	0.55	0.54	0.58

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
1.12	1.14	1.09	0.97	0.94	0.82	0.77	0.82	0.86	0.82	0.85	0.89	0.83
0.37	0.28	0.49	0.49	0.60	0.56	0.63	0.63	0.51	0.76	-	-	0.56
0.57	0.69	0.65	0.58	0.60	0.55	0.73	0.76	0.74	0.83	0.74	0.63	0.61
0.53	0.56	0.51	0.51	0.56	0.51	0.40	0.34	0.32	0.31	0.27	0.25	0.53
0.37	0.44	0.36	0.32	0.44	0.40	0.51	0.36	0.40	0.42	0.58	0.69	0.40
1.07	1.24	1.26	1.04	0.95	1.21	1.12	0.98	1.17	1.07	1.21	0.97	1.08
1.15	1.16	0.83	0.92	0.62	0.55	0.46	0.40	0.29	0.32	0.32	0.32	0.75
0.80	0.72	0.69	0.58	0.60	0.46	0.36	0.55	0.60	0.76	0.92	0.90	0.59
1.15	1.36	-	-	-	-	-	-	-	-	-	-	1.14
0.94	0.75	0.80	0.80	0.94	0.93	0.38	0.42	0.51	0.58	0.71	0.71	0.67
0.62	0.82	0.71	0.56	0.53	0.33	0.43	0.32	0.34	0.37	0.42	0.40	0.52
0.53	0.58	0.62	0.62	0.74	0.51	0.48	0.55	0.50	0.51	0.42	0.42	0.52
0.75	0.71	0.72	0.64	0.64	0.68	0.44	0.32	0.40	0.34	0.32	0.38	0.50
0.78	0.57	0.53	0.46	0.58	0.80	0.87	0.62	0.58	0.82	0.53	0.60	0.62
0.43	0.81	0.90	0.68	0.55	0.51	0.47	0.85	0.77	0.76	0.89	0.98	0.60
0.69	0.75	0.69	0.69	0.67	0.58	0.59	0.53	0.62	0.59	0.59	0.59	0.67
0.58	0.60	0.62	0.65	0.53	0.42	0.46	0.43	0.58	0.72	0.70	0.76	0.54
0.60	-	-	-	-	-	-	-	-	-	-	-	0.63
0.92	1.04	1.07	0.95	0.81	0.50	0.55	0.38	0.34	0.38	0.41	0.42	0.74
1.11	1.08	1.13	1.16	1.07	0.95	0.60	0.42	0.42	0.37	0.37	0.34	0.82
0.85	0.85	0.87	0.69	0.59	0.42	0.32	0.36	0.55	0.51	0.73	0.79	0.54
0.87	0.72	0.62	0.60	0.53	0.51	0.37	0.37	0.37	0.36	0.40	0.60	0.63
0.88	0.91	0.97	0.78	0.77	0.81	0.51	0.44	0.42	0.46	0.51	0.44	0.71
0.49	0.46	0.44	0.46	0.50	0.46	0.39	0.39	0.39	0.44	0.36	0.40	0.40
0.41	0.48	0.48	0.50	0.46	0.44	0.37	0.35	0.41	0.41	0.34	0.34	0.47
0.62	0.64	0.62	0.67	0.51	0.37	0.29	0.32	0.31	0.64	0.73	0.72	0.49
-	-	-	-	-	-	-	-	-	-	-	-	0.76
0.87	0.92	0.89	-	-	-	-	-	-	-	-	-	0.88
-	-	0.86	0.82	0.71	0.75	0.93	0.71	0.75	0.87	0.76	1.00	0.78
0.75	0.83	0.85	0.91	0.77	0.64	-	-	-	-	-	-	0.75
0.50	0.46	0.50	0.50	0.41	0.29	0.48	0.37	0.29	0.25	0.23	0.33	0.40
0.74	0.77	0.74	0.69	0.65	0.59	0.54	0.50	0.52	0.56	0.57	0.59	0.63

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	608	707	-	-	608	707
2	707	782	782	707	608	608	521	521	521	521	434	608
3	868	782	782	868	868	707	608	521	707	782	707	868
4	782	782	955	868	1035	1035	782	608	707	608	478	347
5	174	260	347	434	434	260	260	347	347	347	260	347
6	608	608	434	521	608	521	347	347	174	174	347	521
7	707	707	782	782	868	782	782	1194	1194	-	-	-
8	347	434	434	347	434	347	434	260	347	260	434	434
9	782	707	707	782	1035	1035	1035	1115	1435	1435	1194	1115
10	-	-	-	-	-	-	-	347	434	608	707	782
11	521	434	347	521	347	347	260	347	347	260	260	260
12	260	260	347	347	347	347	347	347	260	260	260	174
13	260	260	347	260	260	174	260	434	260	260	260	260
14	174	260	174	174	174	174	174	434	260	260	260	174
15	174	174	174	174	86	86	174	260	174	174	174	174
16	260	260	260	260	260	260	260	260	260	260	260	260
17	260	260	260	260	260	260	260	260	174	174	174	260
18	174	174	174	260	260	260	260	347	738	260	260	260
19	478	631	347	434	707	390	827	731	738	1035	1115	1194
20	521	521	521	521	782	782	782	782	608	1115	1275	1115
21	260	260	260	260	347	347	260	347	260	347	608	707
22	434	347	434	434	521	521	521	434	521	707	782	707
23	434	347	608	521	521	521	608	521	521	608	707	868
24	174	174	174	174	260	347	347	260	347	434	304	347
25	260	260	260	260	347	565	608	260	260	260	260	347
26	260	174	174	174	174	174	174	260	391	608	434	434
27	478	707	955	868	868	652	434	434	521	868	868	608
28	707	782	782	707	782	707	658	707	868	955	707	608
29	521	434	434	347	347	347	434	347	347	260	260	347
30	434	434	347	434	434	434	434	347	347	347	347	347
31	347	260	347	304	707	911	955	608	434	347	347	347
Promedio	418	422	437	439	495	469	480	474	483	501	503	518

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	150	150	150	75	226	226	-	-	-	-	-	715
2	676	676	602	602	451	602	451	376	312	451	376	602
3	905	752	752	905	828	451	451	451	676	976	828	905
4	752	752	905	828	976	1035	828	676	829	526	526	451
5	75	75	75	226	150	150	75	150	226	312	312	451
6	1052	752	752	714	676	676	905	-	-	-	-	-
7	-	-	-	-	-	-	-	1460	2000	-	-	-
8	75	312	150	150	376	226	312	226	312	376	526	602
9	676	602	602	828	1188	1320	1390	1320	1795	1865	1595	1460
10	-	-	-	-	-	-	-	300	752	905	1120	1188
11	451	312	526	451	376	376	376	376	376	312	376	312
12	150	312	312	312	312	312	376	312	312	226	226	226
13	226	150	150	150	150	150	150	75	150	226	312	312
14	226	150	150	150	226	226	188	150	226	226	312	312
15	75	150	150	150	75	150	150	75	150	226	226	226
16	312	312	312	312	226	226	226	226	226	312	312	312
17	312	312	312	226	226	226	150	226	226	226	226	226
18	150	150	150	150	150	150	150	150	150	150	226	226
19	1188	1109	861	644	451	976	976	1036	748	936	1188	1425
20	226	312	376	602	451	602	312	564	414	1253	1460	1320
21	150	150	150	150	150	150	226	150	150	376	905	1052
22	526	451	602	526	707	526	376	376	602	905	1052	1052
23	150	150	226	312	451	570	312	376	376	376	602	976
24	150	150	150	150	150	226	226	226	312	451	376	451
25	226	226	312	451	376	526	532	312	451	226	226	451
26	150	150	150	150	226	226	150	312	527	828	602	602
27	376	451	828	752	752	451	312	312	602	1188	1320	905
28	905	905	905	905	828	752	679	864	1309	1460	1052	828
29	526	526	376	376	376	376	376	376	376	376	376	451
30	526	526	526	376	376	376	451	451	451	451	376	451
31	312	312	312	376	-	-	-	451	376	226	226	150
Promedio	403	391	408	414	425	438	411	426	531	584	616	643

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
477	608	782	707	707	608	707	707	782	608	782	782	542
608	707	868	868	707	707	707	782	707	782	782	868	684
955	868	868	955	782	707	782	782	782	955	868	707	795
608	707	608	707	707	565	434	347	174	174	174	174	599
434	521	347	347	434	174	260	260	347	347	608	608	354
608	608	521	174	347	260	347	521	608	782	608	707	471
1035	955	782	868	521	434	434	347	260	260	260	260	677
434	434	434	434	434	434	347	347	521	608	782	782	438
955	868	-	-	-	-	-	-	-	-	-	-	1014
868	782	782	608	707	521	347	347	434	434	521	521	574
260	260	260	347	347	347	174	260	260	260	260	347	318
260	347	260	347	260	260	260	260	260	347	260	260	289
260	260	260	260	260	260	174	174	174	174	174	86	242
260	174	174	260	260	260	260	260	174	260	260	260	231
174	174	260	260	260	260	260	260	347	347	260	347	217
260	260	347	347	347	347	260	347	260	260	260	260	278
260	260	260	347	347	260	260	260	260	260	260	260	256
260	260	347	434	434	434	521	521	260	707	782	868	386
1275	1035	955	955	782	782	434	434	347	347	434	347	698
1194	1115	955	955	868	1115	737	570	434	434	347	260	763
752	608	521	347	434	434	347	347	434	434	478	521	413
782	658	608	608	521	347	260	260	260	260	347	347	484
1035	992	912	707	782	707	434	260	260	347	434	260	580
347	260	260	260	260	260	260	260	260	260	260	260	273
260	260	260	260	260	260	260	260	260	260	260	260	294
521	521	521	434	434	260	174	174	174	304	434	434	326
521	608	782	608	608	707	434	521	707	707	782	782	668
521	521	521	347	608	521	347	434	521	521	608	608	627
347	347	347	434	434	521	521	521	608	608	521	521	423
347	347	347	434	434	347	260	347	347	347	260	347	369
347	347	347	347	260	260	260	174	174	174	174	174	372
556	538	516	499	485	445	375	378	380	419	441	441	463

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
715	676	676	828	752	676	676	790	905	676	828	828	564
752	976	1052	976	752	752	752	676	752	828	905	905	677
1120	1120	1120	1012	976	828	676	752	828	828	976	905	834
752	905	752	828	526	451	226	150	150	150	150	150	595
451	676	526	339	451	414	451	376	312	312	451	526	315
-	-	-	-	-	-	-	-	-	-	-	-	790
1930	1795	1256	1390	826	602	376	226	226	150	150	75	890
526	451	312	312	312	150	150	226	312	376	526	676	332
1180	1052	-	-	-	-	-	-	-	-	-	-	1205
1120	976	752	676	312	226	226	312	451	526	526	602	645
312	312	226	150	150	188	188	150	150	150	150	150	287
312	312	226	150	75	75	150	150	75	150	226	226	230
226	226	226	226	150	150	150	150	226	150	150	150	182
312	226	226	226	226	226	150	150	150	226	150	150	207
226	226	226	226	226	226	226	226	312	312	312	312	202
312	312	376	376	312	312	312	312	312	312	312	312	299
312	312	312	312	226	226	226	150	226	226	226	226	245
312	312	376	376	376	451	526	489	867	1052	976	1120	383
1460	1250	1052	974	676	451	226	75	150	226	150	150	766
1460	1250	1052	976	752	451	226	226	226	150	226	226	630
1250	828	754	376	451	226	150	150	312	312	451	451	395
1052	828	752	676	451	312	226	150	150	150	150	150	531
1188	1120	905	752	602	451	226	226	312	376	451	312	492
376	312	312	226	226	226	226	312	226	226	226	226	256
226	226	226	226	226	226	226	226	226	226	226	226	293
602	676	676	526	376	226	226	226	312	376	376	376	377
752	905	976	752	602	376	312	451	526	828	828	752	680
828	676	676	451	526	376	226	312	451	526	602	526	732
451	526	451	451	451	376	376	376	376	526	526	526	429
526	526	451	451	376	312	150	226	312	312	312	312	400
312	376	312	312	150	150	150	150	150	150	150	150	250
712	679	594	536	431	349	290	289	344	373	403	403	462

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	17050	15250	14350	15250	6295	6295	4490	8060	4490	1795	4490	898
2	898	898	898	898	898	898	898	898	2690	2690	3585	4490
3	898	898	3585	898	898	1795	2690	3585	2690	3585	1795	4490
4	1795	1795	1795	1795	898	898	1795	1795	2690	2690	2690	4490
5	12590	10770	6295	4490	4490	8060	7180	6295	6295	7180	9860	8950
6	898	898	3585	898	898	898	1795	1795	1795	898	898	898
7	2690	2690	2690	2690	2690	2690	2690	15250	5380	-	-	-
8	6295	3585	4490	5380	3585	4490	3585	5380	4490	6295	3585	4490
9	2690	3585	2690	2690	2690	1795	898	1795	1795	2690	3585	3585
10	-	-	-	-	-	-	-	15250	11690	8060	6295	5380
11	4490	3585	8950	3585	3585	6295	6295	7180	6295	6295	5380	5380
12	5380	7180	4490	4490	4490	5380	5380	6295	5380	2690	4490	4490
13	898	1795	5380	6295	5380	8060	5380	6295	5380	898	2690	2690
14	8950	7180	8950	7180	10770	9860	5380	5380	5380	3585	2690	2690
15	6295	5380	6295	7180	10770	18870	10770	9860	16130	9860	11690	9860
16	2690	3585	3585	3585	4490	4490	4490	5380	4490	4490	3585	3585
17	5380	5380	5380	5380	4490	5380	7180	8950	6295	7180	5380	5380
18	14350	18870	14350	8950	8950	10770	10770	12590	10770	8950	5380	7180
19	3585	898	1795	2690	1795	2690	2690	2690	1795	2690	1795	2690
20	6295	6295	5380	5380	4490	4490	3585	4490	7180	5380	3585	6295
21	16130	16130	13430	12590	9860	10770	17950	17050	17050	7180	5380	5380
22	4490	4490	4490	4490	4490	4490	4490	5380	5380	5380	6295	4490
23	7180	8950	6295	6295	6295	4490	4490	6295	4490	4490	3585	4490
24	14350	14350	17050	16130	16130	9860	10770	17950	15250	9860	10770	11690
25	9860	10770	9860	7180	8060	4490	3585	8950	8950	15250	16130	9860
26	13430	16130	17050	17050	20350	21520	26000	27800	20700	5380	8060	8950
27	8950	5380	4490	3585	2690	3585	8060	7180	7180	4490	4490	4490
28	2690	1795	1795	1795	2690	2690	1795	2690	2690	2690	4490	4490
29	3585	3585	4490	4490	4490	4490	4490	5380	5380	4490	4490	4490
30	2690	2690	5380	4490	4490	5380	4490	5380	4490	4490	4490	4490
31	5380	4490	3585	2690	6295	2690	2690	4490	7180	9860	9860	9860
Promedio	6428	6309	6428	5683	5613	5952	5992	7670	6834	5382	5383	5353

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	17950	17950	18870	13430	16130	8950	7180	6295	3585	2690	2690	2690
2	1795	1795	898	1795	1795	1795	1795	1795	2690	2690	3585	5380
3	898	1795	1795	898	1795	1795	2690	3585	4490	4490	5380	4490
4	1795	2690	1795	898	1795	1795	1795	2690	2690	2690	4490	5380
5	13430	9860	6295	3585	5380	10770	8950	7180	7180	8060	8950	7180
6	1795	898	1795	1795	1795	1795	1795	2690	1795	1795	1795	1795
7	2690	2690	2690	2690	2690	2690	2690	4490	2690	-	-	-
8	6295	3585	6295	5380	6295	4490	3585	5380	4490	3585	3585	3585
9	3585	2690	3585	2690	1795	1795	1795	1795	2690	3585	4490	5380
10	-	-	-	-	-	-	-	17050	8950	6295	6295	5380
11	3585	5380	6295	6295	8060	6295	7180	6295	7180	6295	5380	3585
12	5380	5380	5380	4490	6295	5380	5380	6295	5380	7180	4490	4490
13	4490	7180	3585	7180	6295	8060	8060	5380	6295	3585	2690	2690
14	8060	8950	7180	8060	9860	7180	6295	7180	6295	5380	4490	4490
15	6295	6295	6295	8950	15250	15250	10770	10770	9860	10770	14350	9860
16	3585	4490	3585	4490	4490	5380	5380	5380	5380	4490	4490	3585
17	6295	5380	5380	5380	6295	10770	8060	7180	6295	6295	6295	5380
18	17050	17050	14350	10770	10770	10770	11690	11690	8950	8950	7180	5380
19	1795	2690	2690	5380	3585	2690	1795	2690	2690	3585	2690	2690
20	7180	5380	5380	5380	4490	3585	4490	4490	7180	5380	7180	7180
21	16130	16130	13430	12590	10770	13430	17950	21520	16130	7180	5380	5380
22	5380	5380	4490	4490	4490	5380	5380	6295	5380	4490	4490	4490
23	7180	10770	7180	6295	5380	5380	5380	4490	4490	4490	4490	4490
24	15250	16130	17050	16130	16130	10770	12590	16130	8950	10770	10770	12590
25	11690	10770	8060	7180	9860	4490	7180	9860	11690	15250	16130	10770
26	15250	17950	20350	20350	26000	25150	28730	37680	6295	6295	8950	8950
27	6295	5380	3585	3585	3585	7180	8950	7180	7180	4490	4490	4490
28	2690	2690	1795	3585	2690	2690	3585	2690	2690	3585	4490	5380
29	3585	3585	4490	4490	5380	4490	5380	5380	5380	5380	6295	4490
30	3585	3585	6295	4490	6295	5380	4490	4490	5380	4490	5380	4490
31	5380	4490	3585	4490	4490	2690	3585	7180	8950	8950	9860	10770
Promedio	6879	6966	6482	6240	6998	6609	6819	7845	6105	5772	6041	5563

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
898	1795	898	898	898	898	1795	898	898	898	898	898	4637
4490	4490	2690	2690	1795	1795	1795	1795	2690	1795	898	1795	2056
3585	2690	2690	2690	2690	2690	1795	1795	1795	898	898	2690	2280
4490	5380	5380	5380	5380	4490	5380	7180	11690	12590	12590	16130	5049
7180	7180	7180	6295	5380	7180	6295	7180	5380	5380	3585	2690	6807
898	898	898	1795	2690	1795	2690	1795	1795	1795	1795	1795	1533
4490	3585	4490	2690	4490	4490	5380	5380	11690	12590	15250	8060	5812
2690	2690	2690	2690	3585	3585	5380	5380	2690	1795	1795	2690	3888
4490	4490	-	-	-	-	-	-	-	-	-	-	2819
4490	5380	4490	4490	4490	6295	8950	7180	6295	5380	4490	4490	6653
3585	3585	3585	3585	4490	6295	21520	15250	10770	8950	6295	5380	6691
4490	2690	898	-	-	898	898	898	4490	2690	-	898	3761
2690	2690	2690	2690	3585	898	7180	16130	24200	25150	24200	23360	7775
898	898	1795	4490	4490	5380	6295	7180	8950	6295	6295	7180	5756
8060	5380	6295	7180	6295	8950	8950	11690	8950	4490	3585	3585	8599
2690	3585	3585	4490	5380	5380	6295	5380	3585	3585	4490	6295	4299
3585	3585	3585	7180	3585	7180	16130	8060	20700	11690	13430	12590	7627
5380	3585	3585	3585	2690	1795	2690	1795	2690	898	898	898	6765
2690	2690	2690	2690	3585	6295	7180	7180	8060	10770	8060	8060	4073
4490	3585	3585	3585	4490	4490	5380	7180	9860	9860	12590	16130	6170
4490	5380	5380	7180	7180	9860	12590	11690	9860	7180	5380	5380	10019
3585	6295	11690	10770	10770	10770	12590	14350	11690	10770	9860	8950	7518
3585	5380	4490	7180	6295	6295	7180	12590	11690	8950	8060	9860	6621
11690	15250	16130	17050	14350	15250	13430	11690	12590	10770	12590	11690	13610
12590	14350	12590	12590	13430	13430	13430	12590	10770	12590	12590	15250	11214
8950	8060	8950	7180	10770	12590	20350	21520	20350	11690	7180	7180	14466
4490	5380	5380	4490	4490	5380	8950	4490	4490	2690	2690	3585	5045
4490	4490	3585	4490	5380	6295	7180	5380	5380	4490	2690	3585	3739
3585	2690	2690	2690	2690	3585	5380	5380	3585	3585	2690	2690	3962
3585	3585	3585	2690	3585	5380	9860	16130	13430	8950	4490	3585	5492
8950	8950	10770	11690	13430	16130	11690	10770	14350	16130	13430	10770	9005
4718	4860	4965	5417	5598	6191	8154	8197	8845	7510	7024	6938	6310

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	898	1795	1795	2690	1795	1795	1795	1795	898	1795	5794
4490	5380	2690	3585	1795	1795	1795	2690	2690	1795	1795	1795	2504
3585	2690	1795	2690	2690	2690	1795	1795	1795	1795	2690	1795	2579
4490	4490	4490	6295	4490	6295	6295	8060	14350	12590	13430	17050	5534
7180	5380	10770	8060	6295	6295	4490	7180	6295	5380	2690	2690	7064
898	898	1795	2690	1795	3585	2690	3585	1795	1795	1795	1795	1944
3585	3585	3585	2690	5380	4490	5380	5380	13430	13430	8060	7180	4866
2690	2690	2690	3585	3585	3585	4490	4490	2690	2690	2690	2690	3963
4490	-	-	-	-	-	-	-	-	-	-	-	3105
5380	5380	4490	4490	5380	8060	10770	7180	6295	4490	4490	4490	6757
3585	3585	3585	3585	6295	10770	20350	11690	8060	8060	7180	4490	6794
3585	2690	1795	1795	2690	3585	2690	3585	9860	2690	2690	2690	4411
2690	2690	2690	2690	3585	5380	10770	22400	24200	21520	24200	20350	8694
3585	4490	4490	5380	5380	8060	7180	9860	8950	6295	8950	8060	6838
7180	6295	7180	8060	7180	10770	11690	10770	6295	4490	4490	3585	8862
3585	3585	3585	5380	5380	4490	5380	5380	3585	4490	5380	4490	4160
4490	3585	5380	5380	6295	12590	9860	8060	22400	17950	14350	13430	8449
5380	4490	3585	3585	3585	3585	1795	2690	1795	1795	1795	1795	7103
3585	4490	2690	4490	5380	6295	8950	7180	7180	9860	8060	8060	4633
4490	5380	5380	4490	4490	4490	7180	9860	11690	16130	13430	20350	7277
6295	6295	8060	8060	7180	10770	15250	11690	8950	6295	5380	6295	10689
4490	11690	10770	11690	10770	10770	15250	14350	11690	10770	10770	8950	8004
8060	3585	6295	7180	6295	7180	10770	12590	10770	10770	7180	12590	7220
15250	15250	16130	17050	16130	16130	14350	14350	11690	10770	12590	8950	13829
14350	14350	14350	12590	13430	13430	11690	10770	11690	12590	13430	15250	11702
8060	8950	8950	12590	11690	16130	22400	21520	16130	10770	7180	8060	15600
5380	5380	5380	4490	4490	7180	8060	4490	4490	2690	2690	3585	5196
5380	4490	5380	4490	3585	6295	9860	6295	4490	5380	3585	3585	4224
3585	3585	2690	2690	5380	5380	5380	4490	4490	3585	3585	3585	4448
3585	3585	3585	3585	3585	7180	10770	20350	12590	7180	4490	4490	5972
9860	9860	12590	13430	15250	15250	12590	13430	15250	16130	12590	10770	9642
5324	5353	5591	5952	6042	7506	8724	8932	8913	7866	7084	7156	6782

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	-10.8	-12.2	-10.8	-13.6	-10.8	-10.8	- 5.4	- 6.8	-12.2	-10.8	-12.2	-10.8	-12.2
2	- 5.4	- 2.7	- 5.4	- 6.8	- 5.4	- 6.8	- 5.4	- 9.5	- 8.1	-10.8	-10.8	- 8.1	- 9.5
3	- 6.8	- 5.4	- 8.1	- 6.8	- 5.4	- 5.4	- 6.8	- 8.1	- 8.1	- 8.1	- 9.5	- 8.1	-13.6
4	- 8.1	- 5.4	- 9.5	- 5.4	- 2.7	- 8.1	- 8.1	- 6.8	- 8.1	- 9.5	-10.8	-	-
5	- 8.1	- 6.8	- 8.1	- 6.8	- 6.8	- 9.5	- 8.1	- 8.1	- 6.8	- 6.8	- 9.5	- 8.1	- 9.5
6	- 6.8	- 4.1	- 6.8	- 6.8	- 4.1	-12.2	- 8.1	- 9.5	-12.2	-12.2	-17.6	-12.2	-10.8
7	- 6.8	- 8.1	- 8.1	- 9.5	- 8.1	-10.8	- 9.5	-	-	-	-10.8	-12.2	-13.6
8	- 9.5	- 8.1	- 8.1	-10.8	- 9.5	-10.8	- 9.5	- 9.5	- 9.5	- 9.5	- 8.1	- 9.5	-10.8
9	- 5.4	- 5.4	- 5.4	- 5.4	- 5.4	- 6.8	- 4.1	- 6.8	- 4.1	- 4.1	-10.8	- 6.8	- 5.4
10	- 2.7	- 1.4	- 4.1	- 1.4	- 1.4	- 2.7	3.4	- 6.8	- 8.1	- 8.1	- 8.1	1.7	6.9
11	- 5.4	- 2.7	- 2.7	- 1.4	- 2.7	- 5.4	- 2.7	- 6.8	- 6.8	- 4.1	- 6.8	1.7	1.7
12	- 1.4	- 2.7	- 4.1	- 1.4	- 4.1	- 1.4	- 1.4	- 1.4	- 5.4	- 5.4	- 8.1	1.7	- 6.8
13	- 5.4	- 4.1	- 2.7	- 2.7	1.7	- 1.4	- 1.4	- 5.4	- 8.1	- 8.1	- 9.5	- 2.7	- 8.1
14	- 1.4	1.7	- 1.4	1.7	- 4.1	- 5.4	1.7	- 5.4	- 5.4	- 5.4	- 6.8	- 8.1	- 5.4
15	3.4	1.7	- 1.4	- 1.4	1.7	3.4	4.1	4.1	- 1.4	3.4	1.7	1.7	- 5.4
16	- 1.4	-	-	- 1.4	1.7	- 2.7	- 8.1	- 1.4	- 1.4	- 4.1	- 4.1	- 5.4	- 5.4
17	- 2.7	1.7	- 4.1	- 2.7	1.7	1.7	3.4	1.7	1.7	1.7	- 1.4	- 4.1	- 5.4
18	- 1.4	1.7	- 1.4	- 2.7	1.7	- 1.4	5.2	- 1.4	1.7	- 4.1	- 8.1	- 1.4	- 4.1
19	3.4	1.7	3.4	5.2	8.6	3.4	1.7	- 2.7	- 2.7	- 1.4	1.7	6.9	3.4
20	1.7	4.1	1.7	3.4	8.6	3.4	1.7	- 2.7	1.7	1.7	- 1.4	3.4	- 1.4
21	6.9	1.7	- 2.7	1.7	6.9	3.4	1.7	1.7	1.7	3.4	1.7	6.9	3.4
22	8.6	13.8	- 1.4	- 1.4	1.7	1.7	3.4	1.7	- 1.4	- 1.4	- 1.4	1.7	- 1.4
23	1.7	1.7	- 1.4	3.4	5.2	1.7	- 1.4	- 5.7	1.7	1.7	- 2.7	3.4	- 2.7
24	1.7	3.4	5.2	5.2	6.9	3.4	5.2	3.4	5.2	- 5.4	- 6.8	- 1.4	1.7
25	3.4	5.2	5.2	3.4	6.9	5.2	3.4	- 1.4	- 1.4	- 4.1	- 2.7	1.7	1.7
26	5.2	5.2	1.7	6.9	10.3	8.6	3.4	1.7	1.7	- 1.4	- 4.1	3.4	- 4.1
27	6.9	6.9	6.9	8.6	5.2	1.7	- 2.7	- 1.4	1.7	- 1.4	- 1.4	- 1.4	3.4
28	3.4	6.9	3.4	3.4	5.2	6.9	3.4	1.7	1.7	1.7	1.7	3.4	- 2.7
29	1.7	- 1.4	1.7	1.7	3.4	3.4	3.4	3.4	3.4	1.7	- 1.4	- 1.4	- 2.7
30	1.7	1.7	- 1.4	- 1.4	6.9	5.2	3.4	- 1.4	- 1.4	3.4	- 1.4	- 1.4	- 2.7
31	1.7	3.4	1.7	6.9	10.8	6.9	3.4	3.4	5.2	3.4	1.7	3.4	3.4
Prom	- 1.2	- 0.3	- 2.3	- 1.2	0.8	- 1.3	- 1.0	- 2.9	- 2.8	- 3.5	- 5.4	- 2.1	- 3.9
Var.	1.7	2.6	0.6	1.7	3.7	1.6	1.9	0.0	0.1	- 0.6	- 2.5	0.8	- 1.0

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	-30.6	-30.6	-29.3	-34.6	-34.6	-31.9	-31.9	-35.9	-41.2	-27.9	-27.9	-27.9	-26.6
2	-24.0	-24.0	-26.6	-27.9	-29.3	-31.9	-29.3	-26.6	-29.3	-27.9	-29.3	-27.9	-29.3
3	-17.3	-16.0	-20.0	-26.6	-31.9	-30.6	-31.9	-30.6	-29.3	-29.3	-30.6	-29.3	-29.3
4	-29.3	-24.0	-26.6	-31.9	-33.2	-35.9	-38.6	-29.3	-31.9	-27.9	-30.6	-29.3	-31.9
5	-30.6	-30.6	-29.3	-34.6	-37.2	-37.2	-34.6	-34.6	-33.2	-31.9	-31.9	-34.6	-35.9
6	-30.6	-30.6	-29.3	-35.9	-35.9	-34.6	-35.9	-34.6	-38.6	-39.9	-38.6	-38.6	-35.9
7	-38.6	-34.6	-38.6	-	-	-	-	-	-	-	-33.2	-34.6	-34.6
8	-30.6	-29.3	-30.6	-31.9	-29.3	-33.2	-33.2	-35.9	-31.9	-33.2	-34.6	-33.2	-33.2
9	-29.3	-29.3	-30.6	-34.6	-33.2	-35.9	-33.2	-33.2	-30.6	-27.9	-29.3	-30.6	-30.6
10	-30.6	-27.9	-27.9	-33.2	-33.2	-31.9	-31.9	-30.6	-33.2	-31.9	-29.3	-31.9	-30.6
11	-30.6	-29.3	-30.6	-35.9	-34.6	-33.2	-33.2	-31.9	-31.9	-27.9	-30.6	-34.6	-31.9
12	-29.3	-29.3	-30.6	-37.2	-38.6	-31.9	-35.9	-34.6	-34.6	-35.9	-34.6	-33.2	-34.6
13	-31.9	-31.9	-30.6	-35.9	-38.6	-37.2	-35.9	-29.3	-30.6	-29.3	-29.3	-27.9	-27.9
14	-33.2	-31.9	-35.9	-38.6	-37.2	-37.2	-35.9	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-35.9	-34.6	-35.9	-35.9	-31.9
16	-31.9	-31.9	-30.6	-38.6	-37.2	-39.9	-39.9	-38.6	-33.2	-31.9	-34.6	-31.9	-31.9
17	-31.9	-31.9	-31.9	-38.6	-37.2	-35.9	-34.6	-34.6	-34.6	-37.2	-33.2	-34.6	-35.9
18	-33.2	-30.6	-31.9	-37.2	-41.2	-39.9	-35.9	-34.6	-34.6	-34.6	-34.6	-33.2	-
19	-31.9	-27.9	-30.6	-34.6	-39.9	-38.6	-37.2	-37.2	-37.2	-38.6	-37.2	-38.6	-35.9
20	-33.2	-31.9	-30.6	-35.9	-39.9	-39.9	-38.6	-38.6	-37.2	-34.6	-34.6	-35.9	-35.9
21	-31.9	-29.3	-33.2	-35.9	-38.6	-41.2	-41.2	-34.6	-39.9	-35.9	-37.2	-35.9	-39.9
22	-31.9	-31.9	-30.6	-33.2	-33.2	-33.2	-33.2	-33.2	-33.2	-34.6	-37.2	-39.9	-34.6
23	-34.6	-30.6	-31.9	-34.6	-35.9	-35.9	-35.9	-37.2	-35.9	-34.6	-33.2	-31.9	-35.9
24	-29.3	-27.9	-31.9	-34.6	-34.6	-38.6	-38.6	-34.6	-35.9	-34.6	-38.6	-37.2	-37.2
25	-30.6	-31.9	-29.3	-34.6	-35.9	-35.9	-35.9	-34.6	-35.9	-34.6	-31.9	-33.2	-31.9
26	-33.2	-29.3	-31.9	-35.9	-38.6	-37.2	-34.6	-	-	-30.6	-34.6	-33.2	-35.9
27	-34.6	-30.6	-30.6	-39.9	-37.2	-37.2	-38.6	-34.6	-34.6	-33.2	-35.9	-34.6	-33.2
28	-31.9	-31.9	-31.9	-35.9	-38.6	-35.9	-34.6	-34.6	-37.2	-37.2	-34.6	-34.6	-35.9
29	-31.9	-29.3	-29.3	-35.9	-34.6	-33.2	-33.2	-35.9	-35.9	-38.6	-34.6	-35.9	-31.9
30	-31.9	-27.9	-27.9	-31.9	-31.9	-35.9	-34.6	-37.2	-31.9	-31.9	-33.2	-34.6	-33.2
31	-31.9	-30.6	-30.6	-33.2	-34.6	-37.2	-34.6	-42.6	-37.2	-38.6	-35.9	-31.9	-33.2
Prom	-31.1	-29.5	-30.4	-34.8	-35.7	-35.8	-35.3	-34.4	-34.5	-33.3	-33.6	-33.6	-33.3
Var.	2.6	4.2	3.3	- 1.1	- 2.0	- 2.1	- 1.6	- 0.7	- 0.8	0.4	0.1	0.1	0.4

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
- 8.1	-10.8	-12.2	- 8.1	-12.2	-12.2	-14.9	-12.2	- 9.5	-10.8	- 6.8	-10.7	1
- 6.8	- 9.5	-10.8	-10.8	-12.2	- 8.1	-12.2	-12.2	- 8.1	- 8.1	- 6.8	- 8.3	1
-13.6	- 9.5	- 8.1	-13.6	- 8.1	- 6.8	- 8.1	- 9.5	- 6.8	- 8.1	- 8.1	- 8.4	1
-	-	-	-	-	-	-	- 8.1	- 6.8	- 5.4	- 6.8	- 7.3	1
- 9.5	- 9.5	- 9.5	-13.6	-10.8	-14.9	- 9.5	-12.2	- 8.1	-10.8	- 9.5	- 9.2	1
- 8.1	- 8.1	- 9.5	-21.7	-13.6	-10.8	-13.6	-12.2	- 8.1	- 6.8	- 8.1	-10.2	2
- 9.5	-16.3	-17.6	-14.9	-14.9	-12.2	-16.3	-12.2	- 6.8	- 6.8	- 6.8	-11.0	2
-12.2	- 9.5	-10.8	-10.8	-12.2	- 9.5	- 9.5	-10.8	- 9.5	- 8.1	- 5.4	- 9.6	2
1.7	- 1.4	- 8.1	- 8.1	- 2.7	- 2.7	- 5.4	- 1.4	1.7	- 1.4	- 1.4	- 4.4	2
- 1.4	- 6.8	- 6.8	- 8.1	- 5.4	- 5.4	- 6.8	- 8.1	- 4.1	- 9.5	- 5.4	- 4.2	2
- 1.4	- 5.4	- 2.7	- 6.8	- 5.4	- 4.1	- 8.1	- 8.1	- 6.8	- 5.4	- 5.4	- 4.3	1
- 6.8	- 6.8	- 8.1	- 9.5	- 8.1	- 8.1	- 8.1	- 8.1	- 5.4	- 4.1	- 6.8	- 5.1	2
3.4	- 1.4	- 5.4	- 8.1	- 5.4	- 8.1	- 8.1	- 9.5	- 6.8	- 4.1	1.7	- 4.6	2
- 1.4	- 5.4	- 5.4	- 6.8	- 8.1	- 8.1	- 6.8	- 5.4	- 4.1	- 1.4	- 2.7	- 4.1	1
- 5.4	- 2.7	- 8.1	- 4.1	- 5.4	- 5.4	- 5.4	- 4.1	- 5.4	1.7	5.2	- 1.0	2
1.7	- 4.1	- 1.4	- 5.4	- 5.4	- 2.7	- 1.4	- 1.4	3.4	1.7	1.7	- 2.0	2
- 2.7	- 4.1	1.7	- 2.7	- 4.1	- 4.1	- 4.1	- 5.4	- 2.7	1.7	- 1.4	- 1.4	1
- 1.4	- 1.4	- 1.4	- 4.1	- 6.8	- 4.1	- 5.4	- 2.7	6.9	3.4	6.9	- 1.1	1
3.4	- 5.4	- 1.4	- 2.7	1.7	1.7	- 4.1	3.4	6.9	8.6	3.4	2.0	1
- 1.4	- 1.4	- 1.4	- 5.4	- 1.4	- 2.7	- 1.4	- 1.4	5.2	3.4	6.9	1.0	1
1.7	- 2.7	- 2.7	- 9.5	- 5.4	- 5.4	- 1.4	- 1.4	1.7	3.4	1.7	0.8	1
- 2.7	- 2.7	- 2.7	- 5.4	- 5.4	- 9.5	- 4.1	- 4.1	- 1.4	5.2	3.4	- 0.2	2
3.4	- 2.7	- 1.4	- 8.1	- 1.4	- 2.7	- 1.4	- 4.1	3.4	5.2	1.7	- 0.1	1
1.7	- 1.4	- 5.4	- 2.7	- 1.4	- 2.7	- 4.1	1.7	3.4	3.4	1.7	0.9	1
5.2	1.7	3.4	- 1.4	- 1.4	1.7	1.7	1.7	6.9	5.2	5.2	2.4	1
- 2.7	3.4	1.7	- 2.7	- 4.1	3.4	- 2.7	- 5.4	- 4.1	3.4	5.2	1.4	1
1.7	- 1.4	- 2.7	- 2.7	1.7	1.7	3.4	- 2.7	1.7	1.7	1.7	1.5	2
- 4.1	- 6.8	- 1.4	- 4.1	- 2.7	- 6.8	- 4.1	- 2.7	1.7	1.7	9.5	0.8	1
- 1.4	- 5.4	- 2.7	- 2.7	- 4.1	- 4.1	- 2.7	- 8.1	- 4.1	1.7	5.2	- 0.5	1
3.4	- 1.4	3.4	- 1.4	- 1.4	3.4	1.7	1.7	6.9	6.9	3.4	1.6	1
1.7	1.7	6.9	1.7	3.4	3.4	1.7	- 1.4	6.9	5.2	1.7	3.7	1
- 2.4	- 4.6	- 4.4	- 6.8	- 5.4	- 4.9	- 5.4	- 5.4	- 1.7	- 0.9	- 0.5	- 2.9	
0.5	- 1.7	- 1.5	- 3.9	- 2.5	- 2.0	- 2.5	- 2.5	1.2	2.9	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
-26.6	-25.3	-24.0	-26.6	-29.3	-30.6	-30.6	-29.3	-27.9	-31.9	-27.9	-30.0	1
-27.9	-27.9	-30.6	-30.6	-30.6	-30.6	-34.6	-31.9	-29.3	-29.3	-27.9	-28.9	2
-27.9	-30.6	-29.3	-27.9	-26.6	-29.3	-31.9	-30.6	-29.3	-29.3	-27.9	-28.0	1
-34.6	-31.9	-29.3	-31.9	-33.2	-33.2	-37.2	-31.9	-29.3	-31.9	-30.6	-31.5	1
-35.9	-34.6	-33.2	-35.9	-34.6	-33.2	-37.2	-35.9	-35.9	-35.9	-34.6	-34.3	2
-35.9	-37.2	-35.9	-35.9	-38.6	-35.9	-41.2	-33.2	-35.9	-31.9	-31.9	-35.5	1
-34.6	-33.2	-33.2	-34.6	-34.6	-37.2	-35.9	-34.6	-31.9	-31.9	-31.9	-34.6	2
-33.2	-30.6	-29.3	-31.9	-31.9	-35.9	-35.9	-35.9	-31.9	-31.9	-29.3	-32.4	2
-31.9	-30.6	-33.2	-34.9	-30.6	-33.2	-35.9	-33.2	-33.2	-33.2	-30.6	-32.0	2
-34.6	-34.6	-33.2	-34.6	-34.6	-35.9	-35.9	-33.2	-31.9	-30.6	-30.6	-32.2	1
-31.9	-30.6	-33.2	-34.6	-34.6	-33.2	-37.2	-35.9	-33.2	-31.9	-30.6	-32.6	2
-34.6	-31.6	-33.2	-34.6	-34.6	-37.2	-38.6	-37.2	-35.9	-35.9	-34.6	-34.5	1
-34.6	-35.9	-35.9	-34.6	-37.2	-35.9	-41.2	-37.2	-37.2	-35.9	-31.9	-33.9	2
-	-	-	-	-	-	-	-	-	-	-	-35.7	1
-31.9	-31.9	-35.9	-35.9	-38.6	-38.6	-37.2	-38.6	-41.2	-41.2	-34.6	-36.2	2
-33.2	-35.6	-38.6	-37.2	-37.2	-37.2	-41.2	-39.9	-35.9	-33.2	-33.2	-35.6	1
-35.9	-33.2	-33.2	-33.2	-35.9	-35.9	-38.6	-37.2	-37.2	-34.6	-34.6	-35.1	2
-	-31.9	-31.9	-31.9	-31.9	-34.6	-37.2	-37.2	-33.2	-33.2	-33.2	-34.4	1
-38.6	-37.2	-38.6	-35.9	-38.6	-35.9	-35.9	-33.2	-33.2	-31.9	-29.3	-35.6	2
-37.2	-33.2	-34.6	-37.9	-31.9	-35.9	-35.9	-33.2	-34.6	-34.6	-33.2	-35.4	2
-38.6	-35.9	-39.9	-37.2	-37.2	-37.2	-38.6	-33.2	-34.6	-31.9	-31.9	-36.3	1
-31.9	-34.6	-34.6	-39.9	-37.2	-38.6	-39.9	-39.9	-39.9	-34.6	-31.9	-35.1	1
-34.6	-31.9	-33.2	-34.6	-33.2	-34.6	-35.9	-33.2	-33.2	-31.9	-31.9	-34.0	1
-35.9	-34.6	-34.6	-35.9	-35.9	-35.9	-37.2	-35.9	-31.9	-34.6	-33.2	-35.0	1
-33.2	-31.9	-30.6	-31.9	-31.9	-31.9	-33.2	-34.6	-30.6	-33.2	-31.9	-33.0	2
-39.9	-33.2	-37.2	-35.9	-35.9	-34.6	-37.2	-31.9	-31.9	-34.6	-34.6	-34.6	2
-34.6	-31.9	-34.6	-34.6	-33.2	-34.6	-34.6	-33.2	-34.6	-33.2	-31.9	-34.4	1
-35.9	-33.2	-35.9	-35.9	-35.9	-35.9	-34.6	-33.2	-31.9	-33.2	-33.2	-34.7	1
-31.9	-29.3	-33.2	-35.9	-38.6	-39.9	-37.2	-39.9	-38.6	-33.2	-31.9	-34.6	1
-29.3	-31.9	-31.9	-31.9	-33.2	-31.9	-30.6	-34.6	-31.9	-29.3	-29.3	-32.1	1
-35.9	-31.9	-37.2	-35.9	-37.2	-39.9	-37.2	-37.2	-33.2	-35.9	-33.2	-35.3	2
-33.9	-32.6	-33.6	-34.3	-34.5	-35.1	-36.5	-34.9	-33.7	-33.2	-31.8	-33.7	
- 0.2	1.1	0.1	- 0.6	- 0.8	- 1.4	- 2.8	- 1.2	0.0	0.5	1.9		

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	52.7	52.1	51.3	50.9	50.6	51.3	51.0	52.4	51.0	51.3	51.2	52.1	51.9	52.4	52.5
2	59.0	59.4	60.1	60.2	59.4	59.3	59.5	60.2	59.6	60.0	60.1	60.3	59.9	59.6	59.6
3	64.4	64.4	64.4	64.2	64.1	64.3	64.5	65.6	65.9	66.6	66.8	66.7	66.0	66.2	66.6
4	69.4	69.4	69.4	69.1	68.7	68.6	68.7	69.0	69.7	70.2	70.3	69.3	68.5	68.1	67.9
5	67.4	67.2	67.1	66.2	65.5	65.9	66.0	65.8	65.8	65.9	65.4	64.9	64.4	63.8	63.6
6	60.5	60.0	59.6	58.5	57.8	57.5	57.1	57.2	57.0	56.6	56.3	55.3	54.3	53.8	53.8
7	57.2	57.1	57.2	57.2	57.3	57.5	57.7	58.0	57.9	58.5	58.7	58.4	57.7	57.0	57.0
8	57.2	56.6	57.0	57.0	57.0	57.0	57.2	57.8	58.0	57.9	57.9	57.9	57.1	57.0	57.2
9	62.2	62.3	62.5	62.9	63.4	64.3	65.3	66.2	66.4	67.0	67.2	67.0	66.7	66.6	66.8
10	69.2	69.1	68.7	68.2	67.9	67.8	67.6	67.4	67.4	67.0	66.8	66.2	65.0	64.2	63.6
11	61.5	61.3	61.2	60.9	60.9	61.1	61.0	61.3	61.2	61.4	61.6	60.8	59.9	59.6	59.1
12	58.0	57.6	57.1	56.5	56.5	56.4	56.3	55.9	56.2	56.6	56.3	55.7	55.3	55.1	54.5
13	55.2	55.1	54.4	54.2	54.2	54.5	55.0	55.2	55.4	55.8	55.9	55.7	55.3	55.4	55.6
14	57.2	56.4	56.1	55.9	55.4	55.0	54.9	54.9	55.0	54.7	54.6	54.5	53.7	52.8	52.4
15	56.8	57.5	57.5	57.2	56.9	57.4	57.8	58.0	58.0	57.8	57.3	56.8	55.7	54.8	54.1
16	53.7	53.6	53.2	53.0	52.9	52.8	52.8	52.9	52.9	52.9	52.5	52.2	51.7	51.1	50.9
17	52.4	52.4	52.3	52.4	52.4	52.8	53.5	53.8	53.9	53.8	53.6	53.2	52.7	52.2	52.1
18	54.1	54.1	54.1	53.9	53.9	53.5	53.4	53.4	53.6	53.4	53.1	52.8	52.1	52.4	52.6
19	57.9	59.1	59.9	58.7	58.8	60.1	59.5	60.8	61.2	61.7	61.3	61.3	60.8	60.8	61.0
20	63.8	63.8	63.7	63.6	63.5	63.6	63.7	64.4	64.6	64.6	64.7	64.6	64.2	64.1	64.1
21	66.2	65.5	65.4	65.4	65.5	65.7	65.6	65.6	65.6	65.5	65.4	64.7	63.6	62.8	62.2
22	61.1	60.4	60.2	59.9	59.9	59.9	59.9	60.0	59.8	59.7	59.1	58.7	58.0	57.5	57.2
23	59.2	59.3	59.8	59.8	60.0	60.9	61.3	62.2	62.2	62.3	62.5	62.5	62.4	62.4	62.3
24	66.7	66.9	67.0	67.2	67.4	67.6	67.7	68.0	67.8	68.2	68.2	67.7	67.2	67.0	67.0
25	67.9	67.9	68.0	67.8	68.3	69.1	69.2	69.8	69.8	69.8	69.6	69.5	68.7	68.4	68.3
26	71.0	71.0	71.0	70.9	70.9	71.1	71.2	71.4	71.6	71.8	71.7	71.6	71.3	71.0	70.7
27	72.2	72.3	71.9	71.9	72.0	72.3	72.8	73.8	73.6	73.2	73.1	72.5	71.7	71.3	70.9
28	70.3	70.2	70.0	70.0	70.0	70.0	70.0	70.0	69.8	69.5	68.7	68.0	66.9	66.0	65.5
29	64.3	64.4	64.1	64.0	63.5	63.5	64.2	64.2	64.0	63.8	63.5	62.6	61.4	60.4	59.9
30	59.4	59.3	59.1	58.9	59.0	58.9	59.0	59.3	59.4	59.3	59.0	58.3	57.3	57.2	57.2
31	59.9	60.5	60.5	60.8	61.8	62.8	63.8	64.0	64.2	64.3	64.9	64.7	64.1	64.0	63.8
Prom	61.5	61.5	61.4	61.2	61.1	61.4	61.5	61.9	61.9	62.0	61.8	61.5	60.8	60.5	60.3

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	14.9	14.2	14.1	14.1	14.1	14.1	14.2	12.7	12.0	12.1	12.1	12.2	12.2	11.6	11.4
2	9.3	8.6	8.5	8.4	8.4	8.3	8.4	8.4	8.5	8.9	9.1	10.3	10.4	10.5	9.7
3	6.4	6.2	6.2	5.7	5.1	4.3	4.5	5.7	7.2	7.5	7.9	8.3	8.7	8.5	8.2
4	4.2	4.1	4.1	4.1	4.1	3.6	3.4	3.3	4.2	4.8	5.9	6.6	7.7	8.5	8.3
5	3.3	3.3	3.4	2.6	3.1	3.1	3.5	4.5	5.7	7.4	8.7	9.0	9.2	9.1	8.5
6	6.4	6.4	6.5	6.3	6.4	6.6	6.7	6.7	6.9	6.9	6.8	7.1	7.3	7.3	7.2
7	5.4	5.4	5.1	4.4	3.8	3.2	2.9	3.5	6.2	8.1	9.9	11.0	12.5	13.4	13.4
8	4.4	5.4	5.4	5.3	5.3	4.5	5.1	7.0	9.7	11.8	12.8	14.0	13.6	13.5	13.5
9	5.1	4.1	4.2	4.5	4.1	3.5	3.4	4.2	6.2	8.6	10.3	11.4	12.1	12.5	12.4
10	- 0.3	- 0.3	- 0.9	- 1.3	- 1.2	- 1.6	- 1.9	2.1	6.8	9.3	11.2	12.4	12.9	13.2	13.0
11	5.0	5.0	4.7	4.0	3.7	3.2	4.0	6.1	9.1	11.6	13.6	15.2	16.2	16.7	17.2
12	6.4	8.4	8.2	8.1	7.3	7.4	7.4	9.3	12.3	15.1	16.4	18.4	20.4	21.3	21.1
13	15.7	14.7	14.4	14.0	14.1	14.0	14.1	15.1	16.6	18.2	20.1	20.4	20.5	21.2	21.0
14	13.9	14.0	13.9	13.4	13.3	14.0	15.0	15.7	18.5	20.3	21.6	22.9	24.2	24.9	24.4
15	15.9	15.6	15.0	15.2	16.1	16.6	16.7	17.5	19.2	20.9	20.6	20.7	20.7	21.6	22.2
16	19.9	19.7	19.2	18.2	17.9	17.9	17.8	19.1	21.1	23.6	26.1	27.1	28.0	28.3	28.6
17	20.2	19.9	19.5	19.2	18.2	16.8	16.4	18.1	20.1	21.6	23.6	25.2	25.9	26.1	25.8
18	15.7	15.4	15.6	16.1	15.5	15.0	14.7	17.1	18.6	20.1	21.4	22.5	21.6	17.5	16.6
19	10.6	10.5	10.0	9.8	9.8	9.7	9.0	8.5	8.4	9.0	10.2	11.1	12.1	12.2	12.1
20	4.7	4.1	3.8	3.1	2.6	2.2	1.2	3.7	7.1	10.0	12.1	13.4	14.0	14.0	13.6
21	1.1	0.8	0.8	0.7	0.1	0.1	- 0.1	4.6	9.2	11.2	12.7	14.0	14.4	14.7	14.3
22	7.2	7.0	6.7	5.6	4.8	4.2	3.9	7.1	10.2	12.5	13.8	15.2	15.9	16.1	16.0
23	6.7	6.8	7.4	7.6	7.2	6.9	6.7	11.0	12.9	16.1	18.1	18.9	20.0	19.9	19.3
24	7.1	6.8	6.9	7.1	7.3	7.9	8.1	9.5	11.1	11.9	11.4	12.1	13.1	13.5	12.7
25	7.3	7.2	7.1	6.6	6.7	6.7	6.8	6.8	7.1	8.6	10.6	12.1	12.2	12.5	11.7
26	4.7	4.1	2.9	2.0	3.2	1.8	1.4	7.1	9.9	11.1	12.2	13.2	13.5	14.3	14.3
27	8.4	8.4	7.7	7.3	7.2	6.8	6.9	10.5	12.4	14.3	15.4	16.2	16.9	17.1	17.7
28	11.7	11.1	10.8	10.7	10.2	10.0	10.0	12.0	14.1	15.8	17.3	18.9	19.8	20.2	20.2
29	14.8	14.4	13.4	12.7	12.0	11.7	11.3	13.4	15.7	17.8	19.8	21.7	22.7	23.7	23.8
30	14.9	13.9	12.9	12.2	11.8	11.8	12.0	14.1	16.9	19.0	21.5	22.8	24.4	24.8	24.4
31	15.9	15.9	16.0	15.5	13.7	11.4	11.0	11.0	11.3	11.9	12.2	12.3	13.2	14.3	14.5
Prom	9.2	9.1	8.8	8.5	8.2	7.9	7.9	9.5	11.4	13.1	14.4	15.4	16.0	16.2	16.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
52.9	53.5	54.6	55.5	55.8	56.0	56.6	56.5	57.9	57.9	24	50.4	4-5	7.5	753.1 mm.	1004.1 mb.
60.1	60.6	61.8	62.0	62.2	63.0	63.6	63.6	63.9	63.9	24	57.9	0	6.0	60.7	1014.2
67.0	67.2	67.8	68.1	68.4	68.7	69.1	69.3	69.4	69.4	24	63.9	0	5.5	66.5	1022.0
67.8	67.9	68.0	68.1	68.2	68.3	68.1	68.1	67.9	70.3	11	67.8	16	2.5	68.7	1024.9
62.5	62.3	62.4	62.9	62.2	62.1	62.1	61.4	61.3	67.9	0	61.3	24	6.6	64.3	1019.0
54.0	54.7	55.3	56.3	56.8	57.4	57.5	57.5	57.5	61.3	0	53.8	14,15	7.5	56.8	1009.0
57.1	57.1	57.8	57.3	57.4	57.4	57.5	57.3	57.3	58.7	11	57.0	14,15	1.7	57.5	1010.0
57.3	58.0	58.3	58.6	59.4	60.4	61.0	61.5	61.9	61.9	24	56.6	2	5.3	58.2	1010.9
67.2	67.6	68.0	68.5	68.8	68.8	69.2	69.2	69.3	69.3	24	61.9	0	7.4	66.4	1021.8
63.2	63.0	62.7	62.7	62.8	62.5	61.7	61.5	61.5	69.3	0	61.5	23,24	7.8	65.3	1020.9
58.8	58.8	58.9	59.1	58.8	58.8	58.0	57.6	58.0	61.6	11	57.4	23-24	4.2	60.0	1013.3
54.4	54.2	54.3	55.0	55.0	54.9	54.6	55.0	55.2	58.0	0,1	54.2	17	3.8	55.7	1007.6
55.8	56.1	56.3	56.6	57.2	58.1	58.0	57.5	57.3	58.1	21	54.2	4,5	3.9	55.8	1007.7
52.4	53.0	53.3	54.2	54.8	55.1	55.4	56.0	56.5	57.3	0	52.4	15,16	4.9	54.8	1006.4
53.9	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	58.2	8-9	53.8	varios	4.4	55.7	1007.6
50.8	50.9	51.0	51.3	51.5	52.0	52.2	52.3	52.3	53.8	0	50.8	16	3.0	52.2	1002.9
52.1	52.1	52.3	53.2	53.4	53.6	53.9	54.3	54.2	54.3	23	52.1	varios	2.2	53.0	1004.0
52.7	53.1	54.0	54.8	55.8	56.7	57.0	57.2	57.2	57.2	23,24	52.1	13	5.1	54.1	1005.4
61.1	61.6	61.6	61.8	62.4	62.7	63.5	63.5	63.7	63.7	24	57.2	0	6.5	61.0	1014.6
64.4	64.9	65.3	65.6	66.0	66.3	66.4	66.3	65.9	66.4	22	63.5	5	2.9	64.7	1019.6
62.0	61.9	62.0	62.1	62.0	61.9	61.9	61.8	61.7	66.2	1	61.7	24	4.5	63.8	1018.4
57.1	57.1	57.4	57.8	57.8	58.0	58.6	59.1	59.1	61.7	0	57.1	16,17	4.6	58.9	1011.8
62.7	63.3	63.7	63.9	64.8	65.8	66.2	66.4	66.4	66.4	23,24	59.1	0	7.3	62.6	1016.8
66.8	67.2	67.5	67.6	67.8	68.2	67.9	67.9	67.9	68.2	21	66.4	0	1.8	67.5	1023.3
68.3	68.4	68.9	69.6	69.6	70.0	70.6	70.6	70.8	70.8	24	67.6	3-4	3.2	69.1	1012.1
70.5	71.0	70.9	71.2	71.3	71.5	71.7	72.0	72.2	72.2	24	70.5	16	1.7	71.3	1028.4
70.7	70.7	70.8	70.8	71.0	71.0	70.9	70.5	70.4	73.8	8	70.4	24	3.4	71.8	1029.0
65.4	65.1	65.0	64.9	65.0	65.0	64.8	64.7	64.5	70.4	0	64.5	24	5.9	67.5	1023.3
59.5	59.3	59.5	59.7	59.8	59.9	59.8	59.7	59.5	64.5	0	59.3	17	5.2	61.8	1015.7
57.2	57.2	57.4	57.8	58.4	58.8	59.3	59.6	59.7	59.7	24	57.2	varios	2.5	58.6	1011.4
63.8	63.9	63.7	64.0	64.1	64.0	64.1	64.3	64.0	64.9	11	59.7	0	5.2	63.3	1017.7
60.3	60.5	60.8	61.1	61.4	61.6	61.8	61.8	61.9	63.8		59.1		4.7	61.3	1015.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
11.3	11.0	11.1	11.0	10.9	10.6	10.6	10.6	10.4	15.7	0	10.4	24	5.3	12.2
9.2	8.8	8.1	7.4	6.9	6.9	6.9	6.7	6.5	10.5	14	6.5	24	4.0	8.5
8.1	7.4	7.0	6.2	5.7	5.5	5.2	4.6	4.3	8.7	13	4.3	24	4.4	6.4
7.7	7.1	5.6	4.7	3.1	3.0	3.1	3.2	3.2	8.5	14	2.8	20-21	5.7	4.9
7.6	7.4	7.1	7.0	6.6	6.3	6.3	6.3	6.4	9.2	13	2.6	4	6.6	6.0
6.5	6.2	5.6	5.5	5.3	5.6	5.6	5.6	5.8	7.3	13,14	5.3	20	2.0	6.4
13.1	10.3	8.5	7.1	6.2	5.7	4.9	4.4	4.2	13.8	14-15	2.9	7	10.9	7.2
13.0	11.5	9.9	9.0	8.9	8.6	7.3	6.5	6.1	14.2	12-13	4.2	0	10.0	8.8
12.2	10.9	8.3	5.7	4.1	3.1	2.2	1.1	0.5	12.6	15-16	0.5	24	12.1	6.4
12.7	10.9	7.9	6.9	6.5	5.8	6.5	5.9	5.6	13.4	13-14	- 1.9	7	15.3	5.9
16.5	14.5	12.2	10.2	9.4	9.3	8.3	8.3	8.8	17.2	15	3.2	6	14.0	9.7
20.7	18.9	17.0	16.0	15.8	14.7	16.7	15.8	15.9	21.3	14	6.4	1	14.9	14.1
20.2	19.0	17.1	15.0	13.6	14.4	13.0	13.9	13.8	21.2	14	12.3	23-24	8.9	16.4
24.0	22.3	20.2	18.6	17.7	17.5	17.6	16.6	15.7	24.9	14	13.0	5-6	11.9	18.3
22.7	22.3	20.9	20.4	20.1	20.3	20.2	20.2	20.0	22.7	16	15.0	3	7.7	19.2
28.0	26.0	24.2	23.5	22.9	22.9	22.9	22.1	20.9	28.6	15	17.9	5,6	10.7	22.7
25.3	24.3	22.0	19.2	18.1	16.7	16.4	15.8	15.4	26.1	14	15.4	24	10.7	20.4
16.0	14.8	13.4	12.9	12.4	12.3	11.4	11.1	11.2	23.2	12-13	11.1	23	12.1	15.8
11.9	11.3	9.2	8.1	6.9	5.6	4.9	4.7	4.7	12.2	14	4.7	23,24	7.5	9.2
13.2	12.6	9.5	6.6	4.5	3.8	2.6	2.3	1.5	14.0	13,14	1.5	24	12.5	6.9
13.8	12.1	9.9	8.2	7.2	6.6	6.6	7.3	6.6	14.7	14	- 0.1	7	14.8	7.4
16.0	14.3	12.5	10.6	10.0	9.2	8.3	7.3	6.9	16.1	14	3.7	6-7	12.4	10.0
18.8	17.4	15.1	13.9	12.0	11.0	10.1	10.0	8.0	20.0	13	6.7	1,7	13.3	12.6
12.4	11.6	10.8	10.1	9.1	8.1	8.0	7.4	7.3	13.5	14	6.8	2	6.7	9.6
11.3	10.3	8.8	7.7	6.8	6.2	5.6	4.9	4.8	12.5	14	4.8	24	7.7	8.2
13.8	13.0	11.5	10.1	9.5	9.6	9.6	9.6	9.2	14.5	15-16	1.4	7	13.1	8.8
17.3	16.2	14.6	13.7	13.7	12.9	12.7	12.6	12.1	17.7	15	6.6	6-7	11.1	12.4
20.1	18.7	17.0	16.6	16.6	16.2	15.2	15.6	15.1	20.6	14-15	9.8	6-7	10.8	15.2
23.5	21.8	19.7	18.4	17.5	17.0	16.7	15.7	15.5	23.8	15	11.3	7	12.5	17.3
23.8	22.3	20.5	18.5	17.5	16.8	17.1	16.9	16.2	24.8	14	11.8	5,6	13.0	17.8
14.5	13.9	13.2	12.6	11.7	11.2	10.6	10.7	10.6	16.2	0	10.6	22,24	5.6	12.9
15.6	14.5	12.8	11.6	10.9	10.4	10.1	9.8	9.4	16.7		6.8		9.9	11.5

HUMEDAD RELATIVA en %

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

TENSIÓN DEL VAPOR

en mm. de Hg.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	12.0	11.5	11.5	11.5	11.5	11.5	11.5	10.5	10.0	10.0	10.0	10.0	10.0	9.5	9.5
2	8.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.4	7.0	6.8	6.8	6.8	6.8
3	6.2	6.2	6.2	6.0	6.0	5.6	5.8	6.0	6.2	6.4	6.0	6.6	6.0	6.0	6.2
4	5.0	5.0	5.0	5.0	5.2	5.2	5.4	5.2	5.4	5.2	5.2	5.6	5.6	6.0	5.8
5	5.6	5.6	5.6	5.2	5.4	5.4	5.6	6.1	6.0	6.2	6.4	6.2	6.2	6.3	6.0
6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.2	7.2	7.2	7.2	7.4	7.4	7.4
7	6.4	6.4	6.0	5.8	5.4	5.2	5.2	5.6	5.8	6.2	6.6	7.0	6.8	6.4	6.6
8	6.0	6.2	6.2	6.0	6.0	5.8	5.6	6.4	7.0	7.0	7.4	7.4	7.2	7.6	7.8
9	5.4	5.0	4.4	4.2	4.0	4.2	4.2	4.5	4.6	4.8	4.8	5.2	5.4	5.1	4.6
10	4.4	4.4	4.2	4.0	4.0	3.8	3.8	5.0	5.0	5.0	4.6	4.6	4.6	4.5	4.6
11	5.4	5.4	5.6	5.2	5.4	5.2	5.2	5.7	5.8	6.2	6.6	7.4	7.2	7.5	7.6
12	6.2	6.4	6.6	7.0	7.0	7.0	7.0	7.8	8.5	9.5	10.5	11.0	12.0	12.8	13.5
13	13.0	12.0	11.5	11.5	11.5	11.5	11.5	12.5	13.0	13.5	14.0	13.5	14.0	14.5	14.0
14	11.5	11.5	11.5	11.0	11.0	11.5	12.0	13.0	13.5	14.5	15.5	15.0	15.0	15.8	15.0
15	13.0	12.5	12.0	12.5	13.0	13.5	13.5	14.5	14.5	15.0	14.5	13.0	14.0	14.5	15.0
16	15.0	14.5	14.5	14.0	14.0	13.0	13.0	13.3	13.5	14.5	15.0	14.0	14.5	14.6	15.0
17	12.5	13.0	13.0	12.5	12.5	13.0	12.5	13.2	13.5	13.5	13.5	13.5	13.0	13.0	14.0
18	12.5	12.5	12.5	12.5	12.5	12.0	12.0	13.2	13.0	13.5	13.5	13.5	15.5	13.0	13.0
19	9.0	9.0	8.5	8.5	8.5	8.5	8.0	7.8	7.6	7.4	7.6	7.0	7.6	7.4	7.2
20	5.8	5.6	5.4	5.2	5.0	4.8	4.8	5.2	5.4	5.2	5.4	5.4	5.0	5.0	4.4
21	4.8	4.6	4.6	4.6	4.4	4.4	4.4	5.3	7.0	6.2	6.2	5.6	5.8	5.7	5.0
22	5.8	5.8	5.6	5.8	5.2	6.0	5.8	6.2	6.2	6.6	6.6	6.6	7.0	6.4	6.4
23	7.0	7.2	7.0	7.2	7.0	6.8	7.0	8.0	8.5	8.5	8.5	7.6	7.4	7.4	7.8
24	7.2	6.8	6.8	6.6	6.2	6.0	6.2	6.6	7.0	7.0	6.8	7.0	7.0	6.2	5.6
25	7.0	7.0	7.0	7.0	7.0	7.0	6.4	6.8	7.0	6.8	6.8	7.0	6.6	6.8	6.8
26	6.2	6.0	5.4	5.0	5.6	5.0	4.8	7.2	7.8	7.6	7.2	7.0	6.6	6.9	7.0
27	7.6	7.6	7.6	7.4	7.2	7.2	7.2	7.9	7.8	7.6	7.4	7.2	7.4	7.0	7.2
28	8.5	9.0	8.5	9.0	9.0	8.5	8.5	9.2	9.0	9.5	10.0	10.0	10.0	9.0	9.0
29	10.0	10.0	9.5	9.0	9.0	9.0	8.5	9.4	9.5	10.0	10.5	11.0	11.5	11.5	11.5
30	11.5	10.5	10.5	10.0	10.0	10.0	10.0	11.0	11.5	11.5	12.5	12.5	13.0	12.0	13.0
31	13.0	13.0	13.0	12.5	11.0	9.5	8.5	7.7	7.2	7.4	7.6	8.0	8.5	8.0	8.0
Prom.	8.3	8.2	8.1	7.9	7.9	7.8	7.7	8.2	8.4	8.6	8.8	8.7	8.8	8.7	8.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
100	99	100	100	100	100	100	100	94	100	varios	94	24	6	99
78	82	83	84	86	86	87	89	86	100	varios	74	14	26	88
73	76	77	75	75	75	76	78	80	94	6	73	16	21	81
75	80	87	92	100	100	97	94	100	100	varios	72	14	28	86
85	84	86	83	85	85	88	91	94	100	varios	72	13	28	88
100	100	100	100	100	96	98	98	98	100	varios	94	0	6	100
63	72	76	82	85	90	94	96	95	98	0,1	54	13-14	44	83
72	80	88	96	93	93	94	91	82	96	1	61	12-13	35	83
45	49	60	76	85	91	93	96	99	99	24	40	14-15	59	69
46	55	69	75	79	82	78	77	80	100	varios	37	13-14	63	74
56	64	77	87	78	78	79	79	79	93	6	51	14-15	42	74
79	89	95	92	98	100	96	99	99	100	21	68	14	32	86
83	91	97	100	100	100	100	100	100	100	varios	79	13	21	94
70	79	87	95	96	94	93	96	99	100	varios	68	14,15	32	89
73	76	77	81	83	80	84	85	86	100	varios	73	16	27	87
56	61	62	63	64	64	66	69	73	91	4,5	51	14	40	70
64	68	81	86	90	96	97	97	97	97	varios	54	13	43	78
94	97	99	98	98	97	94	95	94	100	7	70	12	30	92
67	69	83	82	92	99	100	100	98	100	22,23	65	15-16	35	88
43	49	70	86	93	94	98	99	100	100	7,24	39	12-13	61	76
50	56	67	76	78	82	81	76	79	100	varios	41	14-15	59	76
53	60	69	83	79	84	89	96	97	97	7,24	50	14,15	47	74
50	57	69	75	88	89	89	87	94	100	1	44	13,14	56	76
64	66	69	74	78	84	91	92	91	97	1	52	14-15	45	76
66	70	75	81	85	90	95	99	100	100	24	61	14-15	39	84
65	69	76	86	89	93	92	92	95	100	varios	57	14	43	84
48	54	61	66	66	74	75	76	82	99	4	47	14	52	73
55	63	70	77	81	85	87	84	83	100	6	53	14-15	47	78
57	64	72	75	76	80	84	89	90	90	7,24	53	14-15	37	75
61	68	79	90	94	96	94	94	98	100	varios	54	14	46	84
68	77	72	67	75	83	88	91	95	100	varios	65	14-15	35	83
66	72	78	83	86	88	90	90	92	98		60		38	82

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
9.5	9.5	9.5	9.5	9.0	9.0	9.0	9.0	8.5	12.0	0,1	8.5	24	3.5	10.1
6.6	6.8	6.6	6.2	6.4	6.4	6.4	6.4	6.2	8.5	0	6.2	19,24	2.3	7.0
5.8	5.8	5.8	5.0	5.2	4.8	5.0	4.8	4.8	6.6	12	4.8	varios	1.8	5.8
5.6	5.8	5.8	5.8	5.4	5.4	5.4	5.2	5.6	6.0	14	4.8	0	1.2	5.4
6.4	6.2	6.6	6.2	6.2	5.8	5.8	6.6	6.6	6.6	varios	5.2	4	1.4	6.0
7.0	6.8	6.6	6.6	6.7	6.6	6.6	6.6	6.6	7.4	varios	6.6	varios	0.8	7.0
7.0	6.8	6.4	6.2	5.8	6.0	6.0	6.0	5.6	7.0	12,16	5.2	6,7	1.8	6.1
8.0	7.8	7.8	8.0	8.0	7.6	7.0	6.6	5.8	8.0	varios	5.6	0,7	2.4	6.9
4.4	4.6	4.6	5.2	5.2	5.2	4.8	4.8	4.6	5.8	0	4.0	5	1.8	4.7
5.2	5.0	5.2	5.4	5.7	5.6	5.6	5.4	5.2	5.7	20	3.8	6,7	1.9	4.8
7.8	7.6	8.0	8.0	6.8	6.6	6.2	6.2	6.4	8.0	18,19	5.2	varios	2.8	6.4
14.0	14.0	13.0	12.5	12.6	12.0	13.5	13.0	13.0	14.0	16,17	6.2	1	7.8	10.4
14.5	15.0	14.0	12.0	11.0	11.5	10.5	11.5	11.0	15.0	17	10.5	22	4.5	12.6
15,0	15.5	15.5	14.5	14.4	13.5	13.5	13.5	13.0	15.8	14	11.0	varios	4.8	13.6
14.5	15.5	14.0	15.5	14.6	13.5	14.5	14.5	15.5	15.5	varios	12.0	3	3.5	14.0
16.0	15.5	14.0	13.5	13.0	13.0	13.5	13.0	13.0	16.0	16	13.0	varios	3.0	14.0
15.0	15.0	16.0	14.5	13.9	13.5	13.5	13.0	12.5	16.0	18	12.5	varios	3.5	13.5
12.5	12.0	11.0	10.5	10.5	10.0	9.0	9.0	9.0	15.5	13	9.0	varios	6.5	12.0
7.0	6.6	7.0	6.6	6.9	6.6	6.2	6.2	6.2	9.0	varios	6.2	varios	2.8	7.4
4.8	5.0	6.0	6.2	5.9	5.4	5.2	5.2	5.0	6.2	19	4.4	15	1.8	5.3
5.6	6.0	6.0	6.2	5.9	6.0	6.0	5.8	5.6	7.0	9	4.4	varios	2.6	5.5
7.0	7.0	7.2	7.8	7.2	8.0	8.0	7.4	7.2	8.0	21,22	5.2	5	2.8	6.6
7.6	8.5	8.5	8.5	9.0	8.5	8.0	7.8	7.4	9.0	20	6.8	6	2.2	7.8
6.6	6.8	6.4	6.6	6.6	6.6	7.4	7.0	7.0	7.4	22	5.6	15	1.8	6.7
6.6	6.2	6.0	6.4	6.0	6.2	6.2	6.2	6.2	7.0	varios	6.0	18,20	1.0	6.6
7.2	7.4	7.8	8.0	8.0	8.0	8.0	8.0	8.0	8.0	varios	4.8	7	3.2	6.9
7.0	7.2	7.6	7.8	7.8	7.8	7.8	8.0	8.5	8.5	24	7.0	14,16	1.5	7.5
9.0	10.0	9.5	10.5	11.3	11.0	11.0	10.5	10.5	11.3	20	8.5	varios	2.8	9.6
12.5	12.0	12.0	11.0	11.3	11.0	11.5	11.5	11.5	12.5	16	8.5	7	4.0	10.6
13.5	13.5	14.0	13.5	13.5	13.5	13.5	13.0	13.0	14.0	18	10.0	varios	4.0	12.1
8.0	9.0	8.0	7.4	7.6	8.0	8.0	8.5	8.5	13.0	varios	7.2	9	5.8	9.0
8.9	9.0	8.9	8.8	8.6	8.5	8.5	8.4	8.3	10.0		7.0		3.0	8.4

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

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	11	S	11	S	12	S	11	S	11	S	10	S	9	S	11	S	11	S	22	8	31	S	14.00
SE	13	SE	15	SE	13	SE	14	SE	16	SE	10	SE	11	SE	13	SE	11	SE	18	12	34	SE	16.29
SE	8	SE	10	SE	9	SE	14	SE	13	SE	9	SE	11	SE	10	SE	8	SE	24	10	30	SE	11.32
SE	8	SE	6	SE	7	SE	4	SE	2	E	4	E	8	E	7	E	4	SE	20	7	20	SE	12.12
SE	10	SE	11	SE	13	SE	14	SE	16	SE	13	SE	12	SE	7	SE	6	SE	22	9	30	SE	12.20 20.23
S	15	S	20	S	23	S	24	S	23	S	21	S	16	S	12	SW	12	S	15	16	44	S	17.16
NW	18	NW	20	NW	15	NW	11	NW	8	NW	6	NW	5	N	7	N	8	W	14	13	34	W	13.26
SW	6	SW	6	SW	5	W	2	W	6	SW	9	SW	6	W	7	W	7	N	9	10	37	NW	9.38
SW	15	W	9	W	5	W	4	W	2	W	4	W	4	W	3	W	4	W	16	9	36	SW	14.28
NW	21	NW	17	N	10	N	8	N	10	N	13	N	16	N	17	N	14	N	11	12	37	NW	11.12
NW	9	NW	7	NW	3	N	3	N	7	N	6	N	7	N	10	N	6	NW	14	12	32	NW	10.19
NW	2	NE	3	E	3	NE	8	NE	5	NE	7	NE	11	N	14	N	13	N	10	11	30	NW	10.32
SE	4	E	2	C	0	E	3	E	2	E	3	E	4	E	5	E	7	N	9	5	-	-	-
NW	14	NW	7	NW	5	NW	5	W	4	W	7	W	6	SW	5	S	4	NW	11	10	-	-	-
E	10	E	7	E	6	E	6	NE	6	NE	11	NE	14	NE	15	N	14	E	15	11	-	-	-
N	16	N	12	N	10	N	18	N	18	N	20	N	22	N	24	N	20	N	20	20	46	NW	11.36
NW	13	NW	6	NW	4	NW	2	W	3	C	0	C	0	S	2	SE	4	N	11	11	44	NW	13.42
SW	9	SW	12	SW	12	SW	11	SW	10	SW	12	SW	15	S	13	S	12	SW	9	8	30	SW	21.38
S	8	S	4	C	1	S	4	C	1	W	2	W	3	W	4	W	4	S	18	8	25	S	11.20
SW	9	SW	4	C	0	W	2	C	0	C	1	C	1	C	0	C	0	W	13	5	24	SW	12.50
NW	23	NW	16	NW	8	N	8	N	8	N	11	N	8	N	11	N	10	NW	15	11	38	NW	13.30
NW	12	NW	9	N	4	NW	3	N	8	N	6	NW	3	W	4	W	3	N	12	12	34	N	10.50
S	6	S	3	C	1	SE	4	E	16	E	11	E	9	E	8	E	5	S-W	6	7	28	E	19.16
E	10	E	13	E	10	E	12	SE	9	SE	8	SE	8	SE	4	SE	8	E	16	8	24	E	13.50
E	15	E	15	E	10	E	7	E	9	E	9	E	5	E	4	E	4	E	16	9	31	E	11.04
E	13	E	13	E	9	E	7	E	7	E	9	E	9	E	7	E	7	E	23	10	30	E	11.26
NE	16	NE	14	NE	8	NE	10	NE	15	NE	10	NE	13	NE	13	NE	15	NE	23	13	28	NE	13.57
N	18	NE	12	NE	10	NE	8	NE	13	NE	13	NE	11	NE	17	NE	16	NE	20	17	42	N	9.02
N	20	NE	12	NE	11	NE	9	NE	10	NE	12	NE	15	NE	16	NE	16	NE	16	16	33	N	13.56
NW	15	NW	10	NW	3	C	1	C	1	C	1	S	4	S	5	S	3	NW	10	12	40	NW	11.00 11.09
E	8	E	9	E	8	E	10	E	7	E	4	E	3	E	3	E	4	E	16	6	22	E	4.49 13.32
NW		NW		E NW		E		N NE E SE		E		E		N E		N		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		72 Km.		
9		8		6		6		5		6		6		6		7					DIREC.	DÍA	HORA
	12		10		9		9		8		8		10		10		8	N	127	11	S	6	de 17.55 a 18.00
																					NW	16	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					1	3			22	199							1	203
2							18	238	6	49								287
3							24	252										252
4					4	23	20	150										173
5							22	210									2	212
6							8	109	15	274	1	12						395
7	2	15											14	186	8	104		305
8	9	104									6	38	6	50	3	64		256
9											8	106	16	115				221
10	11	141											3	11	8	132	2	284
11	10	98													14	195		293
12	10	141	5	34	2	7									7	79		261
13	9	71			7	26	2	8	2	6	1	4	1	6	1	7	1	128
14	1	12	2	21	5	30			1	4	1	5	3	17	11	154		243
15	1	14	4	46	15	209	4	13										282
16	20	372													4	110		482
17	11	126					1	4	1	2			1	3	8	139	2	274
18	3	24	3	12	3	10			3	28	9	102			2	30	1	207
19									18	166			4	13			2	181
20											5	46	13	77			6	125
21	8	62													15	195	1	257
22	12	150											2	7	10	142		299
23					5	49	1	4	6	51	3	20	6	40	2	11	1	176
24					16	133	8	64										197
25					16	176	8	46										222
26					23	227	1	4										231
27			23	279	1	7												286
28	4	78	20	335														413
29	8	154	16	236														390
30	8	106							3	12					10	180	3	301
31					16	104	2	14	6	35								153
SUMAS	127	1668	73	963	114	1004	119	1116	83	826	34	333	69	525	103	1542	22	7989
% PREVAL POR VELOCIDAD	20.9		12.0		12.6		14.0		10.3		4.2		6.6		19.3		0.1	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	13		13		9		9		10		10		8		15		0.5	258

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	7	2	6	6	4		4	1	1
1 - 2	8	4	3	6	3		4	2	1
2 - 3	8	4	4	5	3		5	1	1
3 - 4	8	3	3	6	4		4	1	2
4 - 5	7	3	4	5	5		4	3	
5 - 6	7	4	3	5	4		4	3	1
6 - 7	8	4	4	7	2		4	1	1
7 - 8	11	3	3	7	2		4	1	
8 - 9	8	3	5	4	3	2	2	4	
9 - 10	5	2	5	4	3	2	2	8	
10 - 11	5	2	4	5	3	2	3	7	
11 - 12	1	2	4	5	4	2	2	11	
12 - 13	2	1	4	5	5	2	2	10	
13 - 14	2	1	5	4	5	3	2	9	
14 - 15	2	1	5	5	4	4		10	
15 - 16	3	1	5	5	4	4		9	
16 - 17	1	4	6	4	4	3	1	8	
17 - 18	3	3	6	4	2	2	1	6	4
18 - 19	4	4	6	5	3	1	3	4	1
19 - 20	5	5	5	5	2	1	4	1	3
20 - 21	5	5	6	4	2	2	3	1	3
21 - 22	4	5	6	4	3	2	3	2	2
22 - 23	6	4	6	4	5	1	4		1
23 - 24	7	3	6	5	4	1	4		1
SUMAS	127	73	114	119	83	34	69	103	22
% de frec. por dirección	17.1	9.8	15.3	16.0	11.1	4.6	9.3	13.8	3.0

NUBES. VISIBILIDAD

DÍAS	NUBES 8h CLASE	8h 0-8	NUBES 12h CLASE	12h 0-8	NUBES 14h CLASE	14h 0-8	NUBES 18h CLASE	18h 0-8	NUBES 20h CLASE	20h 0-8	VISIBILIDAD 8h	VISIBILIDAD 14h	VISIBILIDAD 20h
											90 - 99		
1	Ns	8	St	8	St	8	St	8	St	8	95	95	97
2	St	8	Sc 7 As 1	8	Sc	7	St	8	Sc 3 Cu 5	8	7	8	7
3	Sc	8	Sc	8	Sc	8	Sc	7	Sc	7	8	8	8
4	Sc	7	As 3 Cu 5	8	Sc 6 As 1	7	Claro	0	Claro	0	8	7	8
5	Sc	7	Sc 2 As 4	6	Sc 3 As 5	8	St	8	As	8	8	8	8
6	Ns	8	Ns	8	Ns	8	Ns	8	Ns	8	5	7	7
7	Claro	0	Ci	2	Ci	2	Claro	0	Claro	0	9	8	8
8	Ci Cu	4	Ci Cu	7	As	7	St	7	St	8	8	8	8
9	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	9	9	9
10	Claro	0	Claro	0	Ci	5	Ci	1	Ci	2	7	8	8
11	Ci	3	Ci	2	Claro	0	Cu	8	Ci Cu	6	8	6	8
12	Ci	7	Cu	8	Cu	8	Cu	8	Cu	7	7	5	5
13	Ci	7	As	8	As	8	Cu	8	Cu	7	5	5	0
14	Ci Cu	8	Cu	8	Cu	8	Cu	8	Cu	8	6	6	6
15	As	3	Claro	0	Claro	0	Claro	0	Claro	0	5	5	6
16	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	7	6	7
17	Claro	0	Claro	0	Ci	7	Claro	0	Claro	0	7	7	7
18	Sc	7	Cu	8	As	8	As	8	As	8	6	5	7
19	Fs	8	Sc 6 Cu 2	8	Sc	7	Claro	0	Claro	0	8	9	8
20	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	9	8
21	Ci	5	Ci	1	Cu	1	Cu	3	Cu	3	7	8	8
22	Claro	0	Ci	4	Ci	4	Ci	3	Claro	0	8	8	7
23	Ci Cu	8	Ci Cu	8	Ci Cu	8	Ci Cu	8	Ci Cu	8	7	8	8
24	As	8	As 5 As 3	8	As	8	As	8	As	8	7	6	7
25	Ns	7	Sc 3 As 4	7	As	6	Claro	0	Claro	0	7	6	7
26	Sc	3	Cu	1	Ci	1	Claro	0	Claro	0	5	8	7
27	Cu	8	Ci Cu	6	Ci	6	Claro	0	Claro	0	8	8	8
28	Ci	3	Ci	8	Ci Cu	8	Ci Cu	8	Ci Cu	8	8	8	8
29	Ci	3	Cu	8	Ci Cu	8	Ci	3	Claro	0	8	8	8
30	Claro	0	Claro	0	Claro	0	Cu	3	Ci Cu	5	7	6	7
31	St Sc	8	St Sc	8	Sc 4 As 3	7	Sc	7	Sc	8	7	7	7
Prom.		5		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
	9				8	0	3	LL.
	10				8	0	5	Am.
1	12				8	0	5	Z.
	14				8	0	3	Z., Ne.
	15				8	0	3	Z., Ne.
	9	10.0	9.0	0.08	8	0	5	
	10	11.5	9.7	0.15	8	0	5	
2	12	23.1	13.4	0.79	8	0	5	
	14	16.2	11.5	0.37	7	0	5	
	15	13.0	10.4	0.21	8	0	5	
	9	11.9	8.4	0.28	8	0	5	
	10	11.7	8.6	0.25	8	0	5	
3	12	14.4	9.9	0.36	8	0	5	
	14	13.9	9.9	0.32	8	0	5	
	15	10.7	8.7	0.16	8	0	5	
	9	8.1	5.3	0.23	8	0	5	
	10	9.2	6.1	0.25	8	0	5	
4	12	20.6	10.2	0.84	8	1	5	
	14	26.1	12.7	1.09	7	3	5	
	15	19.6	8.9	0.87	4	1	5	
	9	11.0	7.1	0.32	6	1	5	
	10	16.1	9.4	0.54	7	1	5	
5	12	16.0	10.7	0.43	8	0	5	
	14	10.6	9.3	0.10	8	0	5	
	15	8.7	8.2	0.04	8	0	5	
	9				8	0	5	LL.
	10				8	0	5	LL.
6	12				8	0	5	LL.
	14				8	0	5	LL.
	15				8	0	5	LL.
	9	25.1	10.2	1.21	0	5	5	
	10	28.3	12.9	1.25	0	5	5	
7	12	31.9	17.2	1.20	2	5	5	
	14	32.4	17.8	1.19	2	5	5	
	15	31.1	17.0	1.15	0	5	5	
	9	24.3	12.2	0.98	3	5	5	
	10	31.4	16.0	1.25	5	4	5	
8	12	30.1	17.6	1.02	7	4	5	
	14	20.6	14.7	0.48	7	1	5	
	15	31.3	17.6	1.11	7	4	5	
	9	24.6	9.9	1.20	0	5	5	
	10	30.1	13.9	1.32	0	5	5	
9	12	33.3	16.6	1.36	0	5	5	
	14	33.4	17.5	1.29	0	5	5	
	15	30.6	16.2	1.17	0	5	5	
	9	24.5	10.4	1.15	0	5	5	
	10	30.1	14.4	1.28	0	5	5	
10	12	33.1	17.2	1.29	0	5	5	
	14	33.4	17.6	1.28	5	4	5	
	15	30.1	16.6	1.10	6	4	5	
	9	26.2	12.7	1.10	3	5	5	
	10	31.4	16.2	1.24	4	4	5	
11	12	35.2	19.6	1.27	2	5	5	
	14	35.6	20.6	1.22	0	5	3	B.
	15	33.6	20.2	1.09	5	4	4	B.
	9	22.4	14.5	0.64	8	3	5	
	10	28.6	18.2	0.84	8	3	3	Ne.
12	12	30.7	21.2	0.77	8	2	3	Ne.
	14	35.7	24.3	0.93	8	3	3	Ne.
	15	27.6	22.1	0.45	8	2	3	Ne.
	9	26.4	18.4	0.65	8	2	3	Ne.
	10	28.7	20.6	0.66	8	2	3	Ne.
13	12	34.8	23.8	0.88	8	1	3	Ne.
	14	31.3	23.3	0.65	8	1	3	Ne.
	15	27.0	22.0	0.41	8	1	3	Ne.
	9	26.0	20.2	0.47	8	1	3	Ne.
	10	31.8	23.0	0.72	8	1	3	Ne.
14	12	35.2	25.6	0.78	8	2	3	Ne.
	14	41.6	28.5	1.06	8	4	3	Ne.
	15	38.1	27.0	0.90	8	4	3	Ne.
	9	29.0	21.5	0.61	4	4	3	Ne.
	10	35.8	24.0	0.96	4	4	3	Ne.
15	12	37.0	24.8	0.99	0	5	3	Ne.
	14	37.3	24.9	1.01	0	5	3	Ne.
	15	36.0	25.0	0.88	0	5	3	Ne.
	9	35.6	24.2	0.93	0	5	5	
	10	40.2	27.2	1.06	0	5	5	
16	12	44.6	31.0	1.10	0	5	4	B.
	14	44.4	31.8	1.02	0	5	4	B.
	15	42.6	31.2	0.93	0	5	4	B.
	9	34.0	24.0	0.81	0	5	3	Ne.
	10	38.0	26.0	0.97	0	5	3	Ne.
17	12	43.0	30.0	1.06	0	5	3	Ne.
	14	41.8	29.5	1.00	7	5	4	B.
	15	38.0	28.4	0.78	8	5	4	B.
	9	21.3	19.1	0.18	7	1	4	
	10	27.3	21.7	0.46	7	1	3	Ne.
18	12	38.9	26.4	1.02	8	4	3	Ne.
	14	22.7	17.6	0.41	8	1	3	Ne.
	15	21.8	17.9	0.32	8	0	3	Ne.
	9				8	0	5	Am.
	10	14.6	10.6	0.32	8	0	5	
19	12	33.1	17.0	1.31	8	3	5	
	14	19.6	13.9	0.46	7	0	5	
	15	19.3	13.9	0.44	7	0	5	
	9	27.9	12.3	1.27	0	5	5	
	10	32.2	15.4	1.36	0	5	5	
20	12	36.1	18.9	1.40	0	5	5	
	14	35.3	18.6	1.36	0	5	5	
	15	33.5	17.8	1.28	0	5	5	
	9	28.1	13.3	1.20	4	4	5	
	10	32.4	16.4	1.30	2	4	5	
21	12	35.2	18.9	1.33	1	5	5	
	14	34.4	19.2	1.24	1	5	5	
	15	32.6	18.1	1.18	2	5	5	
	9	29.2	14.4	1.20	1	5	5	
	10	33.2	17.3	1.29	3	5	5	
22	12	36.7	20.3	1.33	4	4	5	
	14	36.1	20.7	1.25	4	4	5	
	15	30.1	17.7	1.01	6	4	5	
	9	25.1	15.2	0.80	8	4	5	
	10	31.7	19.5	0.99	7	4	5	
23	12	37.5	23.4	1.15	7	4	5	
	14	38.8	24.1	1.20	8	4	5	
	15	35.2	22.7	1.02	7	4	5	
	9	16.3	12.2	0.33	8	1	5	
	10	20.9	14.0	0.56	8	1	5	
24	12	23.2	14.5	0.71	8	1	5	
	14	25.0	15.9	0.74	8	1	4	B.
	15	18.3	13.7	0.37	8	1	5	
	9				7	0	4	LL.
	10	11.7	9.4	0.19	8	0	5	
25	12	34.6	17.7	1.37	7	2	5	
	14	30.9	16.6	1.16	6	3	4	
	15	28.3	15.3	1.06	4	3	4	
	9	25.1	13.6	0.93	5	3	5	
	10	28.1	15.0	1.06	4	3	5	
26	12	34.0	17.9	1.31	1	5	5	
	14	34.5	18.0	1.34	1	5	5	
	15	32.9	18.2	1.20	5	4	5	
	9	30.9	16.4	1.18	7	4	5	
	10	35.4	19.2	1.32	7	4	5	
27	12	35.8	20.8	1.22	6	4	5	
	14	36.1	21.4	1.20	6	4	5	
	15	36.4	21.6	1.20	6	4	5	
	9	33.5	18.5	1.22	8	5	5	
	10	35.0	20.0	1.22	8	5	5	
28	12	40.6	24.4	1.32	8	4	5	
	14	39.2	24.5	1.20	8	4	5	
	15	37.4	24.0	1.09	8	4	5	
	9	35.0	20.5	1.18	5	5	5	
	10	38.0	23.0	1.22	8	5	5	
29	12	42.5	26.7	1.28	8	5	5	
	14	40.7	27.4	1.08	8	4	5	
	15	40.7	27.3	1.09	8	4	5	
	9	34.2	20.6	1.10	0	5	5	
	10	38.8	23.8	1.22	0	5	5	
30	12	42.4	27.6	1.20	0	5	5	
	14	42.6	28.7	1.13	0	5	4	B.
	15	39.9	27.3	1.02	0	5	4	B.
	9	14.3	12.3	0.16	8	0	5	
	10	13.8	12.5	0.10	8	0	5	
31	12	13.9	12.6	0.10	8	0	5	
	14	25.0	17.0	0.65	8	1	5	
	15	23.4	16.4	0.57	7	1	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															0.0	10.3	00
2							0.5	0.2	0.3						1.0	10.3	10
3								0.1	0.3		0.2				0.6	10.4	06
4							0.2	0.6	0.9	0.9		0.2			2.8	10.4	27
5				0.1	0.6	0.1									0.8	10.4	08
6															0.0	10.4	00
7			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		9.5	10.5	90
8			0.1	0.9	1.0	0.7	0.9	0.8	0.5	0.4	0.5	0.7			6.5	10.5	62
9			0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3		9.5	10.5	90
10			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5		9.9	10.6	93
11			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		9.5	10.6	90
12			0.1	1.0	0.7	0.4	0.8	1.0	1.0	0.2					5.2	10.6	49
13				0.1	0.2	0.2	0.3		0.4						1.2	10.7	11
14								1.0	1.0	1.0	1.0	0.1			4.1	10.7	38
15				0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5		9.2	10.7	86
16			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
17				1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.5			8.2	10.8	76
18						0.5	1.0	0.9	0.1						2.5	10.8	23
19						0.5	0.9	1.0	0.7	0.2	0.9	0.1			4.3	10.8	40
20			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		9.5	10.9	87
21			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4		9.7	10.9	89
22			0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8			9.0	10.9	83
23			0.1	1.0	1.0	0.5	1.0	1.0	1.0	0.8	0.9	0.2			7.5	11.0	68
24							0.2	0.3							0.5	11.0	05
25						0.1	1.0	1.0	1.0	1.0	1.0	0.4			5.5	11.0	50
26				0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7		9.6	11.1	86
27				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9		9.9	11.1	89
28				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				8.0	11.1	72
29				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6			8.6	11.2	77
30				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4			8.4	11.2	75
31									0.1	0.5	0.3				0.8	11.3	07
Medias			0.1	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.5	0.1		5.8	10.8	54

GEOTEMPERATURA

DÍAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h
1	15.2	14.8	14.0	14.4	14.2	13.7	12.3	12.0	11.7	12.2	12.3	11.8	-	-	-
2	12.4	12.7	11.9	12.6	12.6	12.2	10.8	10.5	10.6	11.4	11.2	11.0	-	-	-
3	10.5	11.3	10.6	10.8	11.2	10.9	9.9	9.8	9.4	10.7	10.5	10.1	-	-	-
4	9.2	10.6	9.9	9.6	10.3	10.1	8.5	8.6	8.7	9.6	9.5	9.4	-	-	-
5	9.0	10.0	9.8	9.1	9.8	9.7	8.1	8.3	8.1	9.1	9.2	9.0	-	-	-
6	9.2	9.4	8.9	9.2	9.4	9.0	7.8	7.2	7.6	8.6	8.6	8.4	-	-	-
7	7.8	10.9	10.2	7.9	9.6	9.8	7.2	7.4	8.1	8.1	8.0	8.4	-	-	-
8	8.2	11.2	10.7	8.4	9.9	10.3	7.4	7.6	8.2	8.5	8.2	8.5	-	-	-
9	8.3	10.8	9.5	8.6	10.0	9.1	7.8	7.6	8.1	8.4	8.2	8.5	-	-	-
10	7.2	10.4	9.3	7.6	9.2	9.3	7.2	7.3	7.6	8.3	8.0	8.1	-	-	-
11	7.8	15.0	10.3	8.7	9.7	10.0	7.0	7.2	8.0	7.7	7.6	8.0	-	-	-
12	9.2	12.7	12.7	9.0	10.9	11.6	7.7	8.3	9.1	8.6	8.4	8.8	-	-	-
13	12.8	15.0	14.0	11.4	13.0	13.2	9.0	9.6	10.5	9.2	9.5	10.1	-	-	-
14	13.0	16.0	15.5	12.5	14.2	14.6	10.1	10.6	11.6	10.1	10.6	11.0	-	-	-
15	14.2	16.6	16.4	13.8	15.2	15.4	11.2	11.8	12.4	11.2	11.6	12.0	-	-	-
16	16.0	18.5	18.1	15.1	16.5	16.8	12.6	13.2	13.8	12.5	12.6	13.0	-	-	-
17	16.1	18.6	17.8	15.7	17.0	17.0	13.4	13.5	14.0	13.0	13.2	13.6	-	-	-
18	16.4	18.4	16.8	15.8	16.8	16.4	13.6	13.7	13.9	13.5	13.6	13.8	-	-	-
19	14.4	15.0	13.6	14.4	14.7	14.2	12.8	12.6	12.4	13.3	13.0	12.8	-	-	-
20	11.2	14.2	12.2	9.8	13.4	13.0	11.3	11.3	11.4	12.2	11.9	11.8	-	-	-
21	9.7	12.5	12.0	10.6	12.4	12.1	10.3	10.3	10.5	11.6	11.1	11.2	-	-	-
22	10.3	13.7	12.4	10.6	12.4	12.3	9.7	10.1	10.6	10.9	10.7	10.8	-	-	-
23	10.8	14.0	13.6	11.0	12.9	13.1	9.6	10.1	10.7	10.4	10.6	11.0	-	-	-
24	11.6	13.2	12.4	11.6	12.5	12.3	10.6	10.4	10.8	11.3	11.2	11.0	-	-	-
25	11.2	12.8	11.8	11.3	12.2	11.9	9.9	10.3	10.3	10.9	10.9	10.7	-	-	-
26	9.8	12.6	12.0	10.3	12.0	12.0	9.5	9.7	10.1	10.4	10.3	10.3	-	-	-
27	10.8	13.8	13.1	10.8	12.6	12.6	9.4	10.2	10.5	10.2	10.7	10.8	-	-	-
28	11.8	15.0	14.6	11.7	13.5	13.6	10.0	10.5	11.2	10.6	10.6	11.0	-	-	-
29	13.0	16.6	15.7	12.8	14.6	14.7	13.0	11.4	12.2	11.2	11.5	12.0	-	-	-
30	13.9	17.5	16.7	13.6	15.6	15.7	12.0	12.5	13.0	12.2	12.4	12.7	-	-	-
31	15.0	14.6	14.6	14.4	14.4	14.3	12.5	12.2	12.3	12.8	12.5	12.7	-	-	-
Prom.	11.5	13.8	12.9	11.4	12.7	12.6	10.1	10.2	10.6	10.6	10.6	10.7	-	-	-

LLUVIA, ESTADO DEL SUELO, ETC...

DÍAS	LLUVIA 50 cm.	1.50 m.	7 m.	18 m.	Nieve en cm.	EVAPORACIÓN 8h	14h	20h	Total	GEOHIDROMETRÍA en % Punto	7 cm.	15 cm.	30 cm.	60 cm.	1 m.	Freatímetro
1	12.0	12.0	11.1	11.1	2	0.2	0.1	0.1	0.4							10627
2					2	0.2	0.4	0.5	1.4	F. 2	24.2	21.6	25.7	22.0	16.6	10592
3					2	0.5	0.4	0.6	1.5							10628
4					1	0.5	0.4	0.3	1.0							10636
5	6.7	7.3	6.3	5.1	1	0.3	0.4	0.3	1.0	F. 3	22.6	20.6	25.2			10635
6	19.4	20.2	18.5	14.4	2	0.3	0.0	0.2	0.5							10615
7					2	0.3	0.6	0.9	1.9							10592
8					2	0.4	0.9	0.4	1.9							10591
9					2	0.6	0.9	0.9	1.9							10591
10					1	0.1	1.0	1.3	3.2	F. 4	24.4	20.2	25.1			10596
11					1	0.9	1.4	0.8	2.8							10584
12					0	0.6	0.9	0.5	1.8							10579
13					0	0.4	0.5	0.2	0.8							10574
14					0	0.1	1.1	0.9	2.2							10573
15					0	0.2	0.6	0.9	2.8	F. 5	22.4	21.0	25.8			10572
16					0	1.3	2.6	1.5	6.1							10571
17					0	2.0	2.4	1.3	4.1							10565
18	6.5	6.8	6.1	6.0	0	0.4	0.8	0.2	1.4							10566
19					1	0.4	0.5	0.5	1.4							10570
20					1	0.4	1.0	0.9	2.3	F. 6	22.2	19.4	25.6	22.8		10584
21					0	0.4	1.5	1.4	3.8							10585
22					0	0.9	1.5	1.1	2.9							10580
23					0	0.3	1.3	1.0	2.8							10576
24	0.4	0.6	0.4	0.3	0	0.5	0.6	0.8	1.8							10584
25	0.2	0.4	0.2	0.0	1	0.4	0.6	0.6	1.3	F. 7	20.8	18.8	28.4			10593
26					0	0.1	1.0	0.7	2.1							10593
27					0	0.4	1.4	1.6	4.0							10601
28					0	1.0	1.5	1.3	3.5							10596
29					0	0.7	2.1	2.1	5.1							10585
30	19.2	20.0	18.8	17.9	0	0.9	1.8	1.1	3.4	F. 8	21.3	17.5	24.4			10581
31	7.4	8.4	7.3	7.3	2	0.5	0.5	0.7	1.7							10581
Prom.	71.8	75.7	68.7	62.1	-	0.5	1.0	0.8	2.3	-	-	-	-	-	-	10590

0.50 m. 8h	14h	20h	1 m. 8h	14h	20h	2 m. 8h	3 m. 8h	Temper. Mínima de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos
-	-	-	12.8	12.8	12.9	15.4	-	12.8	Cm. m. t. y n., Bn. LL. n., Z. Ne. t., Z. n.
-	-	-	13.0	13.1	13.0	15.4	-	8.2	Cm. m. t. y n.
-	-	-	13.0	13.1	13.0	15.2	-	1.6	Cm. m. t. y n.
-	-	-	13.1	13.1	13.2	15.2	-	2.9	Cm. m. y t., Cm. n.
-	-	-	13.1	13.1	13.1	15.1	-	0.7	Cm. m. t. y n., LL. t.
-	-	-	13.0	13.0	13.0	15.1	-	-	Cm. m. t. y n., LL. m. t. y n.
-	-	-	12.8	12.9	12.8	14.9	-	- 1.5	Cm. m. t. y n.
-	-	-	12.5	12.7	12.8	14.9	-	- 0.7	Cm. m. t. y n., F. n.
-	-	-	12.5	12.6	12.6	15.0	-	- 1.2	Cm. m. t. y n., F. n. y n.
-	-	-	12.4	12.4	12.5	15.0	-	- 5.3	Cm. m. y n., Cm. t., h. n.
-	-	-	12.2	12.4	12.3	15.0	-	- 0.5	Cm. m. y t., Cm. n., B. t., Jl. n.
-	-	-	12.3	12.4	12.5	14.9	-	0.9	Cm. m. t. y n., F. n., B. t. y n., N. t.
-	-	-	12.4	12.5	12.5	15.0	-	9.1	Cm. m. t. y n., Ne. m. y t., Ns. N. n.
-	-	-	12.6	12.6	12.6	15.0	-	8.6	Cm. m. t. y n., Ne. m. t. y n.
-	-	-	12.7	12.7	12.7	15.0	-	11.0	Cm. m. t. y n., Ne. m. t. y n.
-	-	-	12.9	13.0	13.0	14.9	-	14.7	Cm. m. t. y n., F. n., B. t.
-	-	-	13.2	13.3	13.3	14.8	-	11.6	Cm. m. t. y n., Ne. n., B. t., F. n.
-	-	-	13.5	13.5	13.5	14.9	-	11.9	Cm. m. t. y n., F.Ne. n, Ne. t, B. S. CH. n.
-	-	-	13.7	13.8	13.7	14.9	-	8.3	Cm. m. y t., Cm. n., Bn. LL. n., F. n.
-	-	-	13.7	13.9	13.9	14.9	-	- 1.7	Cm. m. t. y n., F. n. y n.
-	-	-	14.0	14.0	14.0	14.9	-	- 2.0	Cm. n., Cm. t. y n., h. n., F. n.
-	-	-	13.9	14.0	14.0	14.8	-	0.3	Cm. m. y n., Cm. t., F. n. y n.
-	-	-	13.9	13.9	13.9	14.9	-	1.6	Cm. m. t. y n., F. n., Ne. n.
-	-	-	13.8	13.9	13.8	14.8	-	1.8	Cm. m. t. y n., F. n. y n., B. t.
-	-	-	13.8	13.9	13.8	14.9	-	4.6	Cm. m. y t, Cm. n, CH. n, LL. n, B. t, F. n.
-	-	-	13.8	13.8	13.8	14.9	-	- 1.7	Cm. m. t. y n., Ns. N. Ne. n., F. n.
-	-	-	13.7	13.8	13.8	14.9	-	2.7	Cm. m. y t., Cm. n., F. n. y n.
-	-	-	13.6	13.8	13.8	15.0	-	8.1	Cm. n., Cm. t. y n.
-	-	-	13.7	13.8	13.8	15.0	-	8.6	Cm. m. y n., Cm. t.
-	-	-	13.8	13.8	13.9	15.1	-	7.3	Cm. m. y t., Cm. n., F. n. y n., B. t.
-	-	-	14.0	14.0	13.9	15.0	-	11.3	Cm. m. t. y n., Bn. LL. n., CH. n. y t.
-	-	-	13.2	13.3	13.3	15.0	-	4.5	

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	61.8	70.3	4	11	50.4	1	4-5	7.3	11.4	3.8	15.7	1	0	- 1.9	10	7	4.1	10.4	39
2ª	56.7	66.4	20	22	50.8	16	16	15.3	21.1	10.0	28.6	16	15	1.5	20	24	6.3	10.7	58
3ª	65.1	73.8	27	8	57.1	22	16,17	12.0	17.7	6.7	24.8	30	14	- 0.1	21	7	7.0	11.1	64
MES	61.3	73.8	27	8	50.4	1	4-5	11.5	16.7	6.8	28.6	16	15	- 1.9	10	7	5.8	10.8	54

DÉCADA	HUMEDAD DEL AIRE								VIENTO									LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas				Instantáneas			Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Velocidad Máxima	Dirección	Día	Hora				
	%	%		%		mm. mb.	mm. mb.	mm. mb.		Km/h	Km/h		Km/h			Km/h				mm.	mm.		mm.		
1ª	85	100	varios	37	10	6.4	12.0	3.8	SE	10	72	6	24	6	18-19	44	S	6	17.16	39.5	20.2	6	11.0	1	8-9
2ª	83	100	varios	39	20	10.9	16.0	4.4	N	13	72	16	33	16	11-12	46	NW	16	11.36	6.8	6.8	18	1.8	19	0-1
3ª	78	100	varios	41	21	8.1	14.0	4.4	NE	14	60	v.a	27	28	8-9 9-10	42	N	28	9.02	29.4	20.0	30	10.8	31	4-5
MES	82	100	varios	37	10	8.4	16.0	3.8	N	13	72	6; 16	33	16	11-12	46	NW	16	11.36	75.7	20.2	6	11.0	1	8-9

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACIÓN							VIENTO - TORM. ELÉCT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1ª	2	-	1	-	-	-	-	3	1	-	-	-	-	-	1	1	1
2ª	2	3	6	2	1	-	-	1	1	-	1	-	-	-	-	1	1
3ª	-	3	1	1	1	-	-	2	-	-	2	-	-	-	-	1	1
MES	4	6	8	3	2	-	-	6	2	-	3	-	-	-	1	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	2	-	-	-	-	-	-	-	-	-	-	2	6	1	-	-
2ª	6	-	-	-	-	-	-	-	-	-	-	3	4	-	2	-
3ª	8	-	-	-	-	1	-	-	-	-	-	3	4	1	-	-
MES	16	-	-	-	-	1	-	-	-	-	-	8	14	2	2	-

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. IX SETIEMBRE 1954 Nº 9

RESUMEN MENSUAL

Al principio del mes el Observatorio se encuentra en una zona limítrofe de aire tropical húmedo, que cubre el nordeste del país. Llueve sin interrupción durante los dos primeros días. La presión baja en forma pronunciada registrándose el valor mínimo mensual en la madrugada del 3 con 750.9 mmHg. En rápido avance desde el Oeste llega esta misma mañana un frente frío, aclarando el cielo poco después. Sigue un período de tiempo bueno con temperatura en continuo ascenso. Antes del pasaje de un frente frío sube la temperatura al máximo mensual de 22.8°C la tarde del 7, para descender luego 8°C en 4 horas. A pesar del fuerte empuje de aire polar, el fín de la década se caracteriza por un intenso y rápido avance de aire tropical con lo que la temperatura y humedad aumentan rápidamente alcanzando la tensión del vapor el 11 el valor máximo mensual de 15.0 mmHg.

Un nuevo empuje de aire polar desplaza al aire tropical en la tarde del 11. La temperatura baja bruscamente y el tiempo presenta por unos días características típicamente invernales. El centro del anticiclón frío pasa por el centro de la República antes de desplazarse hacia el Este. Corresponde pues a estos 4 días la presión más alta del mes que sube el 13 hasta 772.5 mmHg, mientras la temperatura y la tensión del vapor bajan al mínimo mensual de -0.7°C y 4.2 mmHg respectivamente. En este día como en el siguiente la temperatura mínima de la superficie terrestre baja hasta -3.4 y -3.6°C. Corrido el anticiclón hacia el Atlántico el tiempo se torna nuevamente inestable. Advección de aire caliente alterna con empujes de aire polar en rápida sucesión. Recién los dos últimos días de la década acusan tiempo bueno.

Continuos cambios del tiempo se observan también en la primera mitad de la última década. El 21, aire marítimo fresco invade la Provincia de Buenos Aires provocando lluvias de variada intensidad. En los próximos días la humedad es muy superior a la normal, mientras la temperatura se mantiene en sus términos medios. El último empuje de aire polar fresco de este mes se registra el 25. La temperatura baja de 3 a 4°C por debajo de la normal y las temperaturas mínimas de la superficie registran valores bajo 0°C desde el 26 hasta el 29. Recién el último día del mes debido al cambio del viento al sector Nordeste, las condiciones térmicas e hígricas vuelven a ser normales.

Los frecuentes e intensos empujes de aire polar son la causa de que aparte de la presión atmosférica con 0.5 mmHg y la heliofanía con 5%, todos los otros elementos meteorológicos acusen en mayor o menor grado desviaciones negativas respecto a sus términos medios. Así es como la normal de la temperatura varíe en 0.4°C, la tensión del vapor en 1.0 mmHg, la humedad relativa en 6% y la nubosidad en 0.3% del cielo.

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	62	55	55	83	138	62	- 28	265	- 41	- 14	41	- 14	138	90	41
2	97	55	76	90	104	21	-	-	-	-	-	-	-	-	-
3	48	41	-	28	48	97	90	76	97	97	117	110	104	90	97
4	124	117	138	166	233	152	131	449	∞	∞	316	272	186	152	138
5	110	83	83	83	69	69	97	138	138	138	159	166	159	159	159
6	14	28	41	55	62	90	138	207	193	145	131	110	97	97	104
7	97	124	124	117	97	97	110	138	117	138	179	172	166	145	138
8	34	28	41	48	62	55	97	117	138	104	-	-	-	-	-
9	97	117	138	172	179	159	69	207	193	246	152	138	152	179	179
10	69	55	69	69	69	69	76	-	-	-	-	-	124	110	104
11	97	93	104	131	131	131	55	117	110	117	138	124	110	104	-110
12	83	55	76	83	76	69	152	104	124	131	145	124	97	69	62
13	41	48	69	90	104	90	179	193	166	145	145	131	138	138	138
14	117	110	97	83	90	97	117	124	34	41	69	90	97	104	90
15	55	48	41	62	83	69	69	76	69	69	55	69	69	83	83
16	193	265	207	252	166	166	-	-	-	-	-	-	-	-	-
17	97	97	124	220	259	172	104	110	83	104	90	83	90	69	-
18	83	69	69	76	76	97	117	104	131	145	152	207	186	172	246
19	69	69	69	69	83	166	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-145	138	97	207	21	- 21	21	138	- 69
22	- 34	- 28	- 7	-	-	-	21	14	- 21	- 14	48	62	48	41	48
23	69	69	69	83	124	186	166	207	397	328	193	145	104	69	90
24	48	104	104	104	117	159	131	193	179	138	124	90	90	97	76
25	69	55	21	41	62	48	28	110	138	166	172	166	- 55	- 14	28
26	138	124	166	159	145	172	246	259	345	226	239	246	152	193	145
27	69	41	62	62	90	117	117	179	278	333	172	104	90	90	104
28	138	117	83	97	90	138	226	291	265	291	252	220	213	186	124
29	131	117	145	152	138	166	213	259	246	138	117	104	117	159	172
30	138	138	152	172	159	145	226	265	166	166	138	97	97	104	124
31															
Prom.	87.9	87.3	95.7	104.5	108.7	123.4	151.7	187.1	193.5	178.7	150.9	136.5	124.3	125.7	125.0

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	0.38	0.42	0.80	0.90	239	300	539	0.80	1.11	0.98
2	0.64	0.62	1.26	1.03	266	295	561	0.90	1.68	1.47
3	1.10	0.97	2.07	1.14	628	554	1182	1.13	1.22	1.22
4	0.69	0.54	1.23	1.28	406	279	685	1.45	1.19	1.35
5	0.84	0.82	1.66	1.02	593	604	1197	0.98	0.99	0.95
6	0.94	0.85	1.79	1.11	667	609	1276	1.09	0.98	0.98
7	0.99	0.91	1.90	1.09	591	609	1200	0.97	1.17	1.05
8	0.86	0.88	1.74	0.98	705	902	1607	0.78	0.85	0.68
9	0.60	0.51	1.11	1.18	365	283	648	1.29	1.15	1.26
10	1.00	0.93	1.93	1.08	514	529	1043	0.97	1.36	1.23
11	0.83	0.89	1.72	0.93	512	534	1046	0.96	1.13	1.17
12	0.90	0.89	1.79	1.01	726	638	1364	1.14	0.87	0.98
13	0.77	0.66	1.43	1.17	468	380	848	1.23	1.15	1.21
14	0.74	0.71	1.45	1.04	590	642	1232	0.92	0.88	0.78
15	0.99	0.98	1.97	1.01	564	612	1176	0.92	1.23	1.12
16	0.56	0.52	1.08	1.08	256	225	481	1.14	1.53	1.61
17	0.81	0.69	1.50	1.17	351	276	627	1.27	1.61	1.76
18	0.39	0.36	0.75	1.08	436	348	784	1.26	0.62	0.73
19	0.72	0.76	1.48	0.95	736	715	1451	1.03	0.68	0.74
20	0.79	0.71	1.50	1.11	546	593	1139	0.92	1.02	0.84
21	1.07	1.05	2.12	1.02	500	546	1046	0.92	1.49	1.34
22	1.29	1.26	2.55	1.02	779	814	1593	0.96	1.16	1.08
23	0.86	0.78	1.64	1.10	380	309	689	1.23	1.58	1.76
24	0.96	0.89	1.85	1.08	453	368	821	1.23	1.48	1.69
25	0.80	0.72	1.52	1.11	473	499	972	0.95	1.19	1.00
26	0.62	0.50	1.12	1.24	434	311	745	1.39	1.19	1.12
27	0.68	0.61	1.29	1.11	401	365	766	1.10	1.18	1.17
28	0.59	0.53	1.12	1.11	336	305	641	1.10	1.23	1.21
29	0.61	0.53	1.14	1.15	440	427	867	1.03	0.97	0.86
30	0.58	0.53	1.11	1.09	373	410	783	0.91	1.09	0.90
31										
Prom.	0.80	0.75	1.55	1.07	491	476	967	1.03	1.14	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
- 41	97	62	14	55	- 14	69	97	90		858	-894	1752	2
- 7	41	- 62	28	-117	55	34	41	41		∞	- ∞	-	3*
97	117	117	124	138	138	131	110	110		166	- 7	173	1*
124	117	97	166	186	193	152	124	117		∞	00	-	3*
117	110	110	104	110	76	41	-	-		239	00	239	0*
117	138	145	200	186	159	117	90	90	114.7	414	00	414	0
131	110	104	62	34	14	14	76	55	106.6	252	- 28	280	1
-	-	-	-	-	-	-	-	-		179	- 69	248	2*
172	172	166	166	166	76	83	117	124	150.8	339	- 14	353	1
124	110	110	124	124	97	62	110	117		233	14	219	0*
-138	- 41	- 76	-	-	-	34	14	48		272	-195	467	1*
69	90	97	131	159	117	90	76	76	98.1	193	34	159	0
131	104	117	117	159	172	159	110	97	124.2	272	7	265	0
145	166	179	186	117	124	83	62	62	103.5	297	- 69	366	1
104	110	110	117	124	145	124	110	117	85.9	213	00	213	0
138	246	220	272	233	172	172	138	117		333	83	250	0*
-	-	-	-	-	-	-	-	-		333	34	299	0*
322	374	284	220	179	145	104	110	104	157.2	588	7	581	0
-	-	-	-	-	-	-	-	-		-	-	-	-
-	-	-	-	-	-	-	-	-		-	-	-	-
- 69	- 14	14	- 14	-	- 34	- 28	- 14	- 34		740	-778	1518	2*
48	48	34	28	28	21	-	-	14		117	- 83	200	2*
110	110	104	124	166	104	62	55	34	132.0	454	- 14	468	1
69	69	117	152	149	139	152	159	138	120.7	322	00	322	0
90	200	246	297	374	297	226	252	186		512	594	1106	2
97	131	117	138	172	131	97	55	62	164.8	391	- 14	405	1
104	97	179	220	259	220	145	200	145	144.9	681	7	674	0
124	145	131	172	186	179	193	193	145	175.0	322	- 14	336	1
200	220	213	252	252	166	110	145	138	169.6	414	41	373	0
117	97	172	272	213	239	179	124	104	158.5	368	00	368	0
134.1	142.2	149.0	168.6	168.1	142.0	114.1	112.1	99.4	133.8				

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^-		
12373	14670	27043	0.84	-	23,250
9796	10004	19800	0.98	-	-
3292	3666	6958	0.90	-	14,250
9068	9981	19049	0.91	-	15,750
6134	6544	12678	0.94	-	27,250
- 6541	6770	14311	0.97	7.84	14,500
4186	4784	8960	0.88	6.74	13,250
6728	7252	13980	0.93	-	35,750
10011	11273	21284	0.88	5.85	13,750
4709	5346	10055	0.88	-	21,250
- 5568	5607	11175	0.99	-	8,750
4708	5531	10239	0.85	5.86	-
10872	11284	22156	0.96	5.93	-
8565	9048	17613	0.95	5.00	23,750
6019	6838	12857	0.88	5.65	9,250
- 11593	12820	24413	0.90	-	40,250
8042	7292	15334	1.10	-	9,500
9388	10158	19546	0.93	3.94	40,500
8414	9270	17684	0.91	-	12,000
8285	8544	16829	0.97	-	19,000
- 4822	4935	9757	0.97	-	-
3027	3475	6502	0.87	-	22,500
5080	6582	11662	0.77	7.22	14,500
-	-	-	-	7.43	8,250
-	-	-	-	-	23,250
-	-	-	-	6.16	25,000
-	-	-	-	6.22	52,750
-	-	-	-	6.53	-
-	-	-	-	6.44	33,500
12080	12887	24967	0.94	5.87	-
7476	8126	15602	0.92	6.18	21,739

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	0.35	-	-	-	-	-	-	0.15	0.26	0.20	0.38	0.49
2	0.40	0.46	0.57	0.66	0.66	0.61	0.55	0.55	0.60	0.73	0.63	0.49
3	0.87	0.84	0.90	0.93	0.95	1.46	1.56	1.43	1.58	1.45	1.33	1.17
4	0.82	0.85	0.94	0.88	0.76	0.68	0.61	0.35	0.36	0.42	0.53	0.64
5	0.68	0.78	0.68	1.11	-	-	-	0.91	0.91	0.87	0.74	0.74
6	1.31	1.27	1.34	1.22	1.38	1.06	0.97	0.62	0.68	0.87	0.78	0.89
7	0.94	0.78	1.04	1.09	0.93	0.97	1.02	1.03	1.13	1.05	0.88	0.82
8	1.39	1.35	1.52	1.51	1.46	1.42	1.10	0.90	0.80	0.52	0.69	0.63
9	0.65	0.63	0.58	0.50	0.49	0.47	0.41	0.59	0.50	0.58	0.54	0.74
10	0.76	0.88	0.95	1.12	1.09	1.23	-	0.95	1.21	1.22	1.19	1.17
11	0.67	0.82	0.68	0.70	0.57	0.48	0.61	0.76	0.73	0.71	0.73	0.78
12	-	-	-	-	-	-	-	-	0.82	0.86	0.82	0.75
13	0.93	1.09	1.03	0.94	0.73	0.81	0.72	0.78	0.84	0.88	0.68	0.71
14	-	-	-	-	-	-	-	0.95	0.90	0.69	0.66	0.64
15	1.22	1.20	1.09	1.06	1.02	1.13	1.21	1.02	1.18	1.16	1.21	1.06
16	0.54	0.48	0.35	0.42	0.41	0.40	0.39	0.43	0.55	0.61	0.69	0.86
17	-	-	-	-	-	-	-	-	-	0.56	0.60	0.74
18	0.49	0.40	0.35	0.42	0.39	0.34	0.34	-	-	-	-	-
19	-	-	-	-	-	-	-	0.94	0.91	0.63	0.54	0.61
20	0.53	0.50	0.72	0.71	1.00	0.82	0.84	0.87	0.72	0.77	0.74	0.71
21	1.07	0.87	0.99	0.94	0.66	1.00	1.11	0.92	0.52	0.55	0.63	0.89
22	1.27	1.32	1.38	1.21	1.33	1.41	1.39	1.29	1.31	1.42	1.19	1.08
23	1.43	1.54	1.33	0.94	0.77	0.74	-	-	0.76	0.87	0.68	0.71
24	0.89	0.69	0.71	0.75	0.95	1.12	1.14	0.96	0.87	1.09	1.07	1.06
25	1.53	1.27	1.34	1.25	1.39	1.08	1.16	1.02	0.92	0.69	0.57	0.53
26	0.53	0.54	0.48	0.57	0.57	0.47	0.44	0.49	0.45	0.54	0.56	0.57
27	0.77	0.97	0.92	0.87	0.87	0.87	0.79	0.56	0.55	0.50	0.52	0.58
28	0.61	0.47	0.50	0.46	0.47	0.55	0.55	0.50	0.56	0.61	0.49	0.47
29	0.83	0.92	0.89	0.74	0.87	0.66	0.59	0.42	0.73	0.68	0.66	0.58
30	0.41	0.44	0.44	0.35	0.35	0.38	0.49	0.54	0.71	0.74	0.80	0.66
31												
Promedio	0.84	0.85	0.87	0.85	0.84	0.84	0.82	0.77	0.79	0.77	0.74	0.75

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	0.42	-	-	-	-	-	-	0.16	0.40	0.35	0.58	0.46
2	0.36	0.48	0.49	0.53	0.55	0.53	0.44	0.58	0.68	0.64	0.51	0.60
3	0.82	0.78	0,89	0.92	1.09	1.49	1.47	1.17	1.51	1.28	1.10	1.21
4	0.49	0.47	0.58	0.46	0.53	0.47	0.51	0.38	0.25	0.36	0.44	0.53
5	0.62	0.71	0.63	0.76	-	-	-	0.83	0.88	0.88	0.74	0.72
6	1.43	1.51	1.28	1.05	0.79	0.70	0.77	0.47	0.53	0.85	0.94	0.88
7	0.67	0.63	0.98	0.96	0.94	0.85	0.83	1.00	1.00	0.88	0.82	0.89
8	1.56	1.56	1.67	1.54	1.41	1.34	0.82	0.71	0.68	0.58	0.67	0.60
9	0.69	0.51	0.51	0.42	0.40	0.30	0.32	0.40	0.44	0.46	0.51	0.69
10	0.64	0.94	0.87	1.02	1.10	1.12	-	1.08	1.18	1.17	1.17	1.19
11	0.69	0.79	0.58	0.62	0.49	0.51	0.65	0.76	0.88	0.61	0.68	0.63
12	-	-	-	-	-	-	-	-	0.82	0.74	0.85	0.75
13	0.77	0.78	0.76	0.58	0.65	0.72	0.59	0.60	0.85	0.77	0.73	0.69
14	-	-	-	-	-	-	-	0.77	0.84	0.65	0.68	0.67
15	1.31	1.29	1.10	1.20	1.22	1.45	1.07	1.18	1.20	1.26	1.20	1.05
16	0.42	0.37	0.30	0.34	0.37	0.36	0.37	0.40	0.51	0.62	0.83	0.71
17	-	-	-	-	-	-	-	-	0.55	0.51	0.56	0.72
18	0.42	0.40	0.34	0.40	0.34	0.29	0.34	-	-	-	-	-
19	-	-	-	-	-	-	-	0.98	0.91	0.71	0.69	0.86
20	0.37	0.49	0.60	0.62	0.77	0.74	0.75	0.72	0.69	0.67	0.68	0.73
21	1.12	1.14	0.95	1.06	0.90	0.82	1.31	0.90	0.55	0.53	0.71	0.92
22	1.33	1.33	1.23	1.32	1.41	1.46	1.36	1.31	1.33	1.49	1.24	1.02
23	1.40	1.30	0.94	0.89	0.81	0.67	-	-	0.77	0.79	0.65	0.80
24	0.87	0.70	0.89	0.85	0.95	0.97	1.06	0.76	0.78	0.84	0.98	0.97
25	1.60	0.46	1.23	1.20	1.24	0.94	1.05	0.76	0.86	0.65	0.53	0.53
26	0.49	0.40	0.32	0.37	0.34	0.30	0.34	0.35	0.32	0.56	0.49	0.51
27	0.69	0.86	0.83	0.83	0.72	0.64	0.57	0.53	0.49	0.47	0.56	0.65
28	0.51	0.49	0.49	0.37	0.36	0.44	0.42	0.42	0.47	0.48	0.48	0.46
29	0.73	0.82	0.66	0.53	0.62	0.47	0.44	0.33	0.56	0.64	0.62	0.60
30	0.37	0.41	0.41	0.32	0.32	0.34	0.42	0.43	0.55	0.64	0.73	0.60
31												
Promedio	0.80	0.78	0.78	0.77	0.76	0.75	0.72	0.69	0.74	0.72	0.74	0.75

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
0.46	0.30	0.32	0.36	0.46	0.63	0.54	0.45	0.48	0.42	0.25	0.31	0.38
0.50	0.58	0.62	0.59	0.64	0.58	0.66	0.78	0.77	0.89	0.82	0.90	0.64
1.10	1.06	1.27	1.14	0.92	1.07	0.89	0.96	0.96	0.79	0.99	0.82	1.10
0.77	0.60	0.79	0.93	1.03	0.82	0.72	0.56	0.66	0.61	0.60	0.66	0.69
0.81	0.85	0.71	0.89	1.02	1.02	0.83	0.55	0.68	0.59	1.13	1.16	0.84
0.88	0.91	1.01	0.86	0.94	0.87	0.72	0.65	0.60	0.86	0.89	0.94	0.94
0.94	0.92	0.99	0.90	0.81	0.83	0.63	1.05	1.06	1.23	1.29	1.34	0.99
0.66	0.55	0.71	0.66	0.76	0.71	0.53	0.58	0.48	0.64	0.56	0.65	0.86
0.69	0.64	0.77	0.64	0.64	0.63	0.58	0.44	0.52	0.58	0.67	0.92	0.60
0.97	1.02	1.10	1.15	1.02	0.94	0.69	0.81	0.91	0.94	0.83	0.77	1.00
0.74	0.61	1.00	0.99	1.09	0.97	1.15	1.22	1.32	1.34	1.35	-	0.83
0.77	1.05	1.12	1.02	1.12	1.06	0.86	0.69	0.69	0.72	1.05	1.04	0.90
0.76	0.69	0.61	0.69	0.58	0.55	0.69	-	-	-	-	-	0.77
0.74	0.77	0.76	0.76	0.52	0.52	0.55	0.72	0.71	0.74	0.93	0.97	0.74
1.11	1.14	1.15	1.04	0.94	0.95	0.89	0.76	0.62	0.56	0.46	0.50	0.99
0.66	0.59	0.54	0.84	0.78	0.44	0.53	0.42	0.83	-	-	-	0.56
0.89	0.77	0.88	1.02	1.07	0.99	1.13	1.04	0.88	0.59	0.54	0.42	0.81
-	-	-	-	-	-	-	-	-	-	-	-	0.39
0.69	0.68	0.69	0.71	0.82	1.51	1.02	0.47	0.38	0.40	0.55	0.62	0.72
0.69	0.76	0.77	0.79	0.86	0.93	0.79	0.59	0.85	0.90	1.03	1.06	0.79
1.03	1.14	0.90	0.73	1.09	1.03	1.12	1.24	1.22	1.34	1.37	1.38	1.07
1.22	1.14	1.16	1.39	1.24	1.33	1.42	1.50	1.41	1.46	1.45	0.55	1.29
0.74	0.77	0.76	0.66	0.69	0.73	0.68	0.72	0.70	0.77	0.83	1.02	0.86
0.96	0.89	0.86	0.89	0.92	0.81	0.65	0.72	0.92	1.00	1.46	1.58	0.96
0.49	0.67	0.68	0.73	0.54	0.56	0.52	0.46	0.44	0.48	0.49	0.44	0.80
0.60	0.61	0.69	0.82	0.99	0.68	0.59	0.72	0.62	0.73	0.89	0.65	0.62
0.72	0.79	0.68	0.59	0.74	0.72	0.55	0.57	0.55	0.53	0.46	0.59	0.68
0.51	0.53	0.65	0.59	0.75	0.82	0.80	0.60	0.58	0.66	0.61	0.80	0.59
0.53	0.58	0.62	0.65	0.55	0.42	0.50	0.55	0.47	0.45	0.29	0.40	0.61
0.61	0.69	0.72	0.76	0.92	0.89	0.50	0.51	0.46	0.45	0.47	0.61	0.58
0.77	0.77	0.81	0.82	0.84	0.83	0.75	0.73	0.74	0.77	0.82	0.81	0.80

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
0.40	0.37	0.44	0.41	0.55	0.64	0.69	0.40	0.44	0.38	0.18	0.29	0.42
0.67	0.65	0.60	0.69	0.64	0.72	0.76	0.66	0.76	0.74	0.82	0.83	0.62
1.11	1.09	1.11	1.07	0.90	0.81	0.72	0.72	0.51	0.51	0.51	0.49	0.97
0.68	0.62	0.71	0.80	0.96	0.64	0.55	0.42	0.44	0.44	0.49	0.62	0.54
0.78	0.94	1.13	0.96	0.84	0.97	0.58	0.54	0.62	0.61	1.12	1.36	0.82
0.86	0.96	0.95	0.89	0.91	0.67	0.49	0.56	0.58	0.65	0.80	0.92	0.85
0.92	0.90	0.81	0.71	0.72	0.60	0.54	0.88	1.12	1.31	1.34	1.46	0.91
0.62	0.53	0.64	0.64	0.74	0.77	0.60	0.42	0.51	0.85	0.87	0.69	0.88
0.69	0.60	0.67	0.56	0.65	0.62	0.32	0.33	0.47	0.55	0.51	0.67	0.51
0.92	1.02	1.04	1.00	1.07	0.81	0.56	0.58	0.76	0.81	0.68	0.72	0.93
0.62	0.53	1.08	1.18	1.11	1.16	1.30	1.38	1.43	1.39	1.41	-	0.89
0.88	1.14	1.16	0.96	1.04	1.04	0.69	0.55	0.71	1.02	0.97	0.99	0.89
0.72	0.69	0.60	0.57	0.58	0.49	0.49	-	-	-	-	-	0.66
0.68	0.75	0.80	0.67	0.55	0.49	0.49	0.64	0.71	0.75	0.94	1.00	0.71
1.05	1.10	0.96	0.92	0.96	0.93	0.69	0.58	0.58	0.42	0.47	0.46	0.98
0.58	0.58	0.46	0.91	0.64	0.47	0.47	0.41	0.70	-	-	-	0.52
0.80	0.69	0.89	1.01	0.88	1.07	0.87	0.73	0.62	0.44	0.37	0.40	0.69
-	-	-	-	-	-	-	-	-	-	-	-	0.36
0.89	0.86	0.86	0.89	0.98	1.50	0.83	0.43	0.34	0.32	0.44	0.41	0.76
0.78	0.78	0.87	0.77	0.74	0.82	0.64	0.58	0.73	0.71	0.87	0.95	0.71
1.06	0.90	0.93	1.23	1.11	1.09	1.23	1.28	1.31	1.46	1.41	1.44	1.05
1.14	1.12	1.16	1.31	1.19	1.23	1.32	1.16	1.25	1.31	1.22	1.12	1.26
0.69	0.75	0.62	0.62	0.57	0.72	0.51	0.68	0.60	0.83	0.76	1.01	0.78
0.93	0.85	0.78	0.92	0.90	0.65	0.45	0.66	0.77	0.92	1.31	1.57	0.89
0.58	0.73	0.80	0.66	0.49	0.51	0.46	0.37	0.41	0.44	0.46	0.44	0.72
0.53	0.56	0.74	0.81	0.82	0.53	0.55	0.53	0.44	0.53	0.64	0.55	0.50
0.77	0.82	0.51	0.58	0.73	0.68	0.51	0.53	0.46	0.37	0.34	0.42	0.61
0.48	0.51	0.58	0.79	0.71	0.77	0.65	0.53	0.53	0.62	0.57	0.69	0.53
0.60	0.58	0.60	0.60	0.50	0.44	0.44	0.50	0.46	0.41	0.25	0.36	0.53
0.67	0.71	0.75	0.75	0.89	0.73	0.44	0.51	0.42	0.37	0.40	0.55	0.53
0.76	0.77	0.80	0.82	0.81	0.78	0.65	0.63	0.67	0.71	0.75	0.78	0.75

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

DÍAS \ HORAS	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	174	174	260	260	260	260	260	174	260	347	347	260
2	174	174	260	260	260	174	260	174	260	260	347	347
3	260	260	347	347	347	608	707	707	745	707	955	955
4	521	434	434	434	347	260	260	174	174	260	260	608
5	347	521	347	434	434	434	521	608	828	828	707	707
6	707	707	608	608	707	707	434	347	521	782	1035	1035
7	434	434	608	707	608	521	521	608	782	707	521	434
8	868	868	1035	955	955	868	782	707	868	707	782	608
9	434	347	347	260	260	260	260	434	434	347	347	521
10	347	347	347	521	434	521	-	434	434	608	608	707
11	347	434	347	434	347	347	347	434	434	260	347	260
12	745	868	782	608	707	608	347	521	782	782	608	608
13	608	707	707	521	260	260	174	347	868	868	707	608
14	347	434	608	608	521	608	521	831	868	782	707	707
15	868	782	707	707	608	608	521	608	707	707	707	707
16	260	260	260	174	174	260	260	260	260	260	260	347
17	174	174	174	174	260	260	260	260	347	260	260	347
18	260	260	260	260	260	260	174	260	347	347	521	707
19	521	707	521	434	707	608	787	955	1354	1035	1035	1115
20	260	347	347	434	608	434	521	521	521	707	608	608
21	707	782	608	521	521	521	434	260	260	347	260	347
22	521	608	608	608	608	608	521	521	707	707	782	1115
23	608	707	521	434	260	347	347	347	260	347	521	434
24	260	260	260	260	347	521	521	434	434	608	782	782
25	347	260	260	707	782	707	745	868	868	608	434	434
26	434	521	347	434	434	347	434	347	260	260	521	434
27	434	521	434	521	434	434	434	347	260	347	434	434
28	347	260	260	174	260	260	260	260	347	347	260	260
29	434	565	521	434	521	391	260	260	304	782	707	608
30	174	174	174	174	174	260	260	260	521	608	608	707
31												
Promedio	431	463	443	447	447	442	418	442	534	551	566	592

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	226	150	312	419	312	312	451	1052	312	451	376
2	150	150	150	150	226	269	226	226	312	312	312	676
3	226	312	376	376	344	526	602	602	676	752	1113	1052
4	150	75	226	150	150	150	226	150	150	150	226	676
5	312	226	226	226	312	376	376	526	1188	1320	976	828
6	905	676	526	376	226	312	150	226	376	790	1188	1250
7	312	226	601	451	451	526	602	676	1120	1008	676	602
8	1120	1052	1120	1052	676	676	526	752	1052	676	1052	905
9	376	226	150	150	150	150	150	226	312	312	226	526
10	150	150	150	312	312	376	-	451	676	1120	1052	1052
11	226	226	150	312	312	451	312	312	312	226	312	312
12	602	602	676	376	451	376	226	376	752	905	676	676
13	312	226	226	75	75	75	75	150	905	1052	905	752
14	226	226	338	312	226	451	451	1033	1390	1188	1052	976
15	976	905	752	752	602	602	601	676	752	828	905	905
16	150	150	150	150	150	150	150	150	150	226	312	376
17	150	150	150	150	75	150	150	226	312	226	226	376
18	150	150	150	150	75	150	150	150	150	226	526	676
19	526	828	451	312	451	376	526	828	1460	1188	1320	1460
20	226	226	226	312	376	451	451	451	526	828	828	1052
21	676	828	602	602	526	226	752	376	376	226	226	312
22	676	602	602	676	676	676	602	602	752	828	974	1460
23	526	526	376	312	150	150	226	226	150	376	676	526
24	150	75	150	150	312	226	376	226	451	602	905	905
25	226	226	226	602	676	602	676	828	976	752	602	602
26	312	226	150	150	150	150	226	226	150	312	526	451
27	312	312	312	312	312	226	312	226	226	226	564	602
28	226	226	226	226	150	150	150	150	376	312	312	312
29	226	376	312	226	226	150	150	226	376	976	976	905
30	150	150	150	-	-	-	150	150	678	676	752	676
31												
Promedio	365	352	335	335	336	337	341	396	604	641	695	742

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	174	174	174	347	347	347	174	174	174	174	174	239
347	260	260	260	260	174	304	260	260	347	347	347	266
868	782	782	782	782	707	608	608	521	521	652	521	628
707	521	608	608	608	521	347	260	347	347	347	347	406
707	782	521	782	707	707	521	347	521	434	707	786	593
1035	955	868	868	707	521	434	347	434	434	608	608	667
608	608	608	521	521	521	434	347	707	782	782	868	591
608	782	868	955	868	527	347	434	347	347	391	434	705
434	434	434	434	521	434	260	347	260	260	347	347	365
608	707	521	608	782	608	434	434	521	521	434	347	514
260	347	527	707	521	521	707	707	868	955	868	955	512
782	955	1035	955	868	868	707	521	434	782	782	782	726
521	521	434	434	347	521	347	260	260	260	347	347	468
707	608	707	608	434	347	434	521	434	434	608	782	590
782	782	782	521	347	347	347	260	347	260	260	260	564
434	174	260	260	260	260	260	260	260	260	260	174	256
434	434	521	608	608	521	521	521	434	347	260	260	351
608	608	707	782	707	521	434	347	347	434	521	521	436
1115	955	868	868	868	868	608	347	347	347	434	260	736
707	707	608	521	707	707	521	434	347	608	608	707	546
521	521	608	434	608	434	521	608	608	521	521	521	500
1194	1194	1194	1194	955	955	955	608	608	608	707	608	779
521	434	347	347	347	347	260	260	260	260	260	347	380
782	707	695	521	521	434	347	260	260	260	260	347	453
347	434	521	434	347	347	347	260	260	260	434	347	473
434	434	521	608	782	434	434	347	434	347	521	347	434
521	521	434	434	521	434	347	260	260	260	260	347	401
260	260	347	521	608	608	521	347	260	260	347	434	336
608	608	608	608	347	347	347	260	260	260	260	260	440
521	434	434	521	608	521	347	260	260	260	347	347	373
608	588	593	596	580	514	445	374	388	405	455	458	491

12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios
150	226	312	312	312	312	312	150	150	150	75	150	300
-	552	451	312	312	376	376	376	226	269	188	188	295
976	905	828	828	752	602	451	312	150	226	150	150	554
752	526	602	602	451	226	150	226	150	150	150	226	279
905	905	676	826	676	602	376	226	376	376	752	905	604
1320	1250	1120	905	676	376	226	226	312	312	451	451	609
676	676	602	451	312	226	226	602	828	828	828	1120	609
828	976	1120	1188	1052	752	602	226	451	526	1008	752	902
526	451	451	451	451	376	226	150	226	226	150	150	283
826	976	752	752	828	526	312	312	312	312	226	226	529
312	312	751	1120	752	828	828	828	905	905	905	905	534
828	1113	1320	976	905	828	312	226	226	602	602	676	638
602	526	526	526	376	376	226	226	226	226	226	226	380
976	752	905	676	526	312	312	526	451	526	676	905	642
976	905	828	602	451	376	376	312	226	150	150	150	612
526	312	312	312	312	312	226	150	150	150	150	150	225
451	451	602	676	526	451	312	226	150	150	150	150	276
451	602	602	752	602	312	226	226	451	376	526	526	348
1390	1188	976	905	905	457	312	226	226	312	226	312	715
1120	1052	976	752	752	602	376	312	602	457	602	676	593
526	752	526	-	752	451	526	676	676	676	602	676	546
1595	1460	1320	1250	1052	905	752	451	526	376	376	338	814
602	451	312	312	312	226	150	150	150	150	150	226	309
828	676	451	451	451	312	226	150	150	150	226	226	368
602	752	752	602	451	376	312	226	226	226	226	226	499
526	451	602	676	602	376	150	226	150	226	226	226	311
676	752	526	602	602	451	312	226	150	150	150	226	365
312	312	409	602	602	676	376	226	226	226	226	312	305
828	828	828	676	451	376	376	150	150	150	150	150	427
602	526	526	602	676	526	312	312	226	226	226	312	410
748	720	699	679	596	463	342	295	314	326	358	397	476

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

día \ horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	10770	8950	8950	8950	9860	10770	20350	14350	20700	17950	7180	7180
2	18870	12590	6295	4490	4490	6295	9860	8950	17950	4490	7180	16130
3	2690	2690	1795	1795	1795	1795	1795	1795	898	1795	1795	1795
4	7180	5380	5380	6295	8060	10770	10770	20350	17950	11690	8060	6295
5	6295	6295	7180	7180	6295	5380	5380	4490	4490	4490	6295	6295
6	3585	3585	4490	4490	5380	6295	6295	17950	8950	5380	5380	5380
7	4490	7180	4490	3585	4490	4490	5380	4490	3585	3585	2690	2690
8	1795	1795	1795	1795	1795	1795	2690	4490	5380	8950	8950	9860
9	8060	8950	8060	8950	8950	9860	11690	8950	7180	9860	8950	6295
10	10770	8950	7180	5380	4490	6295	5380	3585	3585	2690	1795	1795
11	8950	4490	4490	5380	7180	10770	13430	7180	6295	8950	6295	7180
12	1795	2690	2690	2690	2690	3585	3585	5380	3585	5380	7180	8060
13	5380	4490	5380	5380	8060	11690	16130	10770	5380	6295	8950	9860
14	11690	10770	7180	6295	6295	12590	10770	5380	8060	6295	8060	7180
15	3585	3585	3585	3585	4490	3585	4490	3585	3585	3585	3585	3585
16	10770	12590	12590	13430	12590	14350	10770	7180	8950	6295	8060	7180
17	15250	17950	18870	17950	12590	6295	6295	5380	5380	7180	7180	5380
18	9860	11690	12590	12590	13430	12590	14350	16130	10770	4490	4490	4490
19	3585	3585	4490	5380	3585	4490	4490	4490	4490	7180	7180	5380
20	20350	14350	11690	8950	7180	8060	8060	8060	8060	7180	7180	8060
21	3585	3585	4490	3585	7180	5380	4490	7180	13430	11690	10770	6295
22	2690	2690	2690	2690	2690	2690	2690	2690	2690	2690	2690	3585
23	3585	2690	3585	4490	7180	8950	–	–	–	–	–	–
24	–	–	–	–	–	–	–	–	–	–	–	–
25	–	–	–	–	–	–	–	–	–	–	–	–
26	–	–	–	–	–	–	–	–	–	–	–	–
27	–	–	–	–	–	–	–	–	–	–	–	–
28	–	–	–	–	–	–	–	–	–	–	–	–
29	–	–	–	–	–	–	–	–	–	–	–	–
30	–	–	–	–	–	–	–	–	–	8950	8950	10770
31												
Promedio	7634	7023	6519	6318	6554	7338	8143	7855	7788	6828	6472	6553

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

día \ horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	11690	10770	9860	12590	22400	23360	22400	20350	30580	7180	7180	7180
2	21520	7180	6295	5380	5380	7180	7180	8950	21520	9860	10770	8950
3	3585	2690	2690	2690	1795	1795	1795	1795	1795	1795	3585	2690
4	7180	5380	6295	6295	8950	14350	11690	24200	23360	9860	7180	8060
5	6295	8060	7180	7180	6295	5380	6295	5380	4490	4490	7180	7180
6	3585	4490	4490	4490	7180	6295	6295	13430	8950	6295	6295	6295
7	7180	8950	3585	4490	5380	5380	5380	4490	3585	3585	3585	3585
8	1795	1795	1795	1795	1795	2690	4490	5380	8060	11690	8950	15250
9	8950	8950	9860	9860	8950	12590	15250	8060	8950	8060	7180	8950
10	13430	8060	6295	5380	6295	4490	5380	5380	3585	2690	2690	1795
11	6295	5380	6295	7180	7180	10770	8950	7180	6295	10770	5380	8060
12	3585	2690	2690	3585	3585	3585	6295	4490	5380	7180	8060	8060
13	5380	4490	5380	5380	11690	17050	16130	10770	5380	6295	8950	11690
14	14350	8950	7180	6295	11690	17950	10770	5380	8060	6295	8060	7180
15	3585	3585	2690	3585	3585	3585	4490	4490	4490	3585	3585	3585
16	13430	14350	12590	13430	14350	17950	8950	10770	8060	7180	7180	11690
17	14350	8060	11690	8060	11690	8060	6295	5380	5380	7180	8060	5380
18	12590	13430	14350	15250	17050	17050	17950	12590	6295	4490	6295	8950
19	3585	3585	4490	5380	4490	5380	4490	5380	6295	7180	7180	5380
20	20350	12590	9860	9860	8060	8060	8060	8060	8060	7180	9860	8060
21	3585	4490	4490	3585	7180	5380	5380	9860	11690	11690	10770	3585
22	2690	2690	2690	2690	2690	2690	3585	4490	3585	2690	3585	3585
23	3585	3585	4490	7180	8060	12590	–	–	–	–	–	–
24	–	–	–	–	–	–	–	–	–	–	–	–
25	–	–	–	–	–	–	–	–	–	–	–	–
26	–	–	–	–	–	–	–	–	–	–	–	–
27	–	–	–	–	–	–	–	–	–	–	–	–
28	–	–	–	–	–	–	–	–	–	–	–	–
29	–	–	–	–	–	–	–	–	–	–	–	–
30	–	–	–	–	–	–	–	–	8060	8950	8060	12590
31												
Promedio	8373	6704	6401	6592	8075	9287	8523	8466	8778	6790	6940	7293

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	13430	9860	6295	7180	7180	4490	10770	16130	26000	20350	20350	12373
15250	11690	13430	10770	7180	14350	5380	16130	10770	7180	2690	2690	9796
3585	2690	2690	2690	4490	4490	4490	5380	6295	7180	6295	6295	3292
6295	8950	8950	5380	5380	7180	8060	16130	8950	8950	8060	7180	9068
6295	6295	7180	8950	4490	4490	6295	9860	7180	8950	3585	3585	6134
5380	5380	5380	5380	6295	8060	10770	10770	8060	5380	4490	4490	6541
2690	2690	3585	5380	6295	5380	8060	5380	2690	2690	2690	1795	4186
11690	9860	11690	7180	7180	7180	8060	10770	10770	9860	8950	7180	6728
8060	8950	8950	8950	9860	10770	14350	14350	17950	10770	9860	11690	10011
1795	1795	1795	1795	2690	3585	5380	4490	4490	4490	9860	8950	4709
8060	7180	5380	3585	3585	2690	3585	1795	1795	1795	1795	1795	5568
6295	4490	3585	3585	3585	4490	7180	8950	8060	4490	4490	4490	4708
12590	13430	13430	14350	13430	10770	13430	16130	17050	14350	13430	10770	10872
7180	7180	8060	10770	11690	16130	11690	7180	8060	7180	5380	4490	8565
3585	2690	2690	4490	7180	8950	8060	11690	9860	15250	12590	12590	6019
7180	12590	13430	12590	12590	13430	12590	14350	14350	14350	12590	13430	11593
6295	5380	3585	2690	2690	3585	3585	5380	5380	7180	9860	11690	8042
13430	7180	5380	4490	5380	6295	11690	16130	12590	6295	4490	4490	9388
5380	5380	5380	5380	5380	6295	6295	11690	24200	26000	20700	21520	8414
7180	7180	6295	6295	7180	7180	8950	9860	7180	5380	4490	4490	8285
3585	2690	2690	1795	3585	3585	2690	2690	2690	2690	2690	2690	4822
2690	3585	2690	1795	2690	2690	2690	3585	4490	4490	3585	4490	3027
-	-	-	-	-	-	-	-	-	-	-	-	5080
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
11690	11690	12590	10770	8950	9860	14350	14350	14350	15250	15250	13430	12080
7180	7060	6900	6320	6476	7331	7918	9905	9710	9398	8181	8025	7476

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
12590	13430	8060	10770	7180	6295	5380	15250	24200	21520	21520	20350	14670
13430	11690	17950	4490	7180	11690	8950	14350	20350	3585	3585	2690	10004
2690	3585	2690	3585	5380	4490	6295	5380	6295	6295	6295	6295	3666
7180	11690	7180	6295	6295	8950	10770	13430	10770	8950	8060	7180	9981
7180	5380	11690	4490	6295	4490	7180	9860	7180	8950	5380	3585	6544
6295	6295	7180	6295	8060	8060	11690	8060	6295	6295	5380	4490	6770
2690	3585	5380	6295	6295	8060	7180	4490	3585	2690	2690	2690	4784
10770	9860	7180	8060	7180	8060	9860	11690	12590	8060	6295	8950	7252
8950	9860	9860	9860	10770	15250	16130	20350	18870	11690	10770	12590	11273
2690	2690	2690	2690	2690	4490	7180	6295	4490	4490	12590	9860	5346
8950	5380	3585	4490	4490	3585	2690	1795	1795	2690	2690	2690	5607
6295	5380	5380	5380	5380	4490	8950	10770	8060	4490	4490	4490	5531
13430	14350	13430	14350	14350	10770	13430	20350	17050	14350	13430	13430	11284
7180	7180	8060	10770	11690	16130	11690	7180	8060	7180	5380	4490	9048
3585	3585	5380	8060	8060	9860	9860	11690	13430	17050	14350	14350	6838
16130	12590	13430	12590	12590	11690	13430	17050	15250	13430	13430	16130	12820
6295	5380	5380	4490	3585	3585	4490	4490	7180	7180	10770	12590	7292
7180	6295	5380	5380	5380	8950	16130	20350	7180	6295	4490	4490	10158
5380	6295	5380	6295	6295	7180	13430	23360	25150	25150	22400	23360	9270
8060	7180	6295	7180	8060	9860	8950	9860	7180	5380	4490	4490	8544
3585	2690	2690	4490	3585	3585	2690	2690	2690	2690	2690	2690	4935
2690	3585	3585	1795	3585	2690	3585	5380	5380	4490	4490	4490	3475
-	-	-	-	-	-	-	-	-	-	-	-	6582
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
11690	14350	12590	11690	8060	11690	20350	14350	15250	18870	17050	12590	12887
7605	7492	7410	6947	7062	7996	9578	11238	10795	9207	8814	8650	8126

COMPONENTE NORTE en MV/Km.

Día \ Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	5.2	3.4	1.7	6.9	12.0	5.2	12.0	12.0	12.0	10.3	6.9	- 2.7	- 5.4
2	3.4	5.2	8.6	5.2	10.3	5.2	3.4	5.2	6.9	6.9	5.2	3.4	- 4.1
3	1.7	- 1.4	1.7	3.4	5.2	1.7	5.2	- 6.8	3.4	6.9	- 4.1	- 4.1	- 5.4
4	3.4	1.7	5.2	3.4	6.9	6.9	3.4	5.2	3.4	5.2	3.4	6.9	1.7
5	3.4	6.9	6.9	3.4	12.0	8.6	8.6	3.4	3.4	5.2	3.4	3.4	- 1.4
6	3.4	1.7	1.7	3.4	8.6	6.9	8.6	3.4	1.7	3.4	3.4	6.9	- 4.1
7	12.0	6.9	6.9	6.9	8.6	5.2	6.9	3.4	3.4	5.2	1.7	6.9	3.4
8	5.2	8.6	6.9	8.6	10.3	10.3	6.9	3.4	5.2	5.2	5.2	10.3	8.6
9	5.2	5.2	6.9	12.0	15.4	10.3	12.0	6.9	- 2.7	5.2	1.7	6.9	8.6
10	10.3	6.9	6.9	10.3	13.8	8.6	6.9	1.7	- 2.7	3.4	1.7	6.9	6.9
11	5.2	5.2	5.2	10.3	17.2	17.2	15.4	5.2	6.9	3.4	3.4	6.9	6.9
12	8.6	10.3	12.0	8.6	13.8	10.3	12.0	8.6	8.6	12.0	8.6	8.6	5.2
13	6.9	8.6	8.6	10.3	17.2	15.4	10.3	8.6	8.6	8.6	10.3	13.8	8.6
14	8.6	5.2	12.0	10.3	16.3	16.3	12.0	5.2	5.2	6.9	6.9	8.6	6.9
15	5.2	3.4	5.2	10.3	10.3	10.3	12.0	3.4	1.7	6.9	1.7	3.4	- 2.7
16	1.7	1.7	1.7	6.9	12.0	10.3	6.9	1.7	6.9	3.4	6.9	12.0	5.2
17	10.3	6.9	6.9	8.6	13.8	15.4	13.8	5.2	5.2	6.9	6.9	10.3	10.3
18	5.2	3.4	5.2	6.9	13.8	13.8	13.8	12.0	12.0	6.9	5.2	3.4	5.2
19	3.4	5.2	5.2	6.9	8.6	6.9	6.9	5.2	6.9	10.3	8.6	6.9	6.9
20	6.9	3.4	6.9	10.3	12.0	8.6	3.4	- 1.4	3.4	6.9	6.9	10.3	6.9
21	12.0	6.9	5.2	8.6	13.8	10.3	8.6	3.4	3.4	3.4	5.2	6.9	12.0
22	10.3	12.0	8.6	12.0	18.6	10.3	6.9	3.4	6.9	3.4	5.2	8.6	6.9
23	8.6	6.9	8.6	8.6	10.3	10.3	3.4	- 2.7	5.2	5.2	3.4	13.8	8.6
24	6.9	8.6	6.9	6.9	12.0	12.0	8.6	5.2	8.6	8.6	8.6	13.8	6.9
25	8.6	3.4	8.6	8.6	13.8	10.3	5.2	1.7	3.4	12.0	13.8	12.0	8.6
26	8.6	12.0	6.9	6.9	12.0	12.0	12.0	6.9	10.3	12.0	10.3	13.8	10.3
27	12.0	10.3	12.0	12.0	13.8	15.4	10.3	3.4	8.6	12.0	10.3	20.6	10.3
28	6.9	6.9	13.8	10.3	-	-	10.3	5.2	8.6	13.8	6.9	17.2	15.4
29	10.3	6.9	6.9	10.3	13.8	13.8	5.2	3.4	6.9	6.9	5.2	17.2	13.8
30	8.6	6.9	5.2	10.3	15.4	13.8	8.6	3.4	8.6	12.0	12.0	20.6	17.2
31													
Prom	6.9	6.0	6.8	8.2	12.5	10.4	8.6	4.2	5.7	7.3	5.8	9.1	5.9
Var.	- 0.1	- 1.0	- 0.2	1.2	5.5	3.4	1.6	- 2.8	- 1.3	0.3	- 1.2	2.1	- 1.1

COMPONENTE ESTE en MV/Km.

Día \ Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1	-31.9	-30.6	-31.9	-37.2	-35.9	-35.9	-34.6	-34.6	-31.9	-27.9	-31.9	-29.3	-29.3
2	-26.6	-29.3	-29.3	-33.2	-31.9	-35.9	-34.6	-31.9	-31.9	-25.3	-27.9	-27.9	-31.9
3	-31.9	-30.6	-29.3	-31.9	-33.2	-31.9	-35.9	-34.6	-34.6	-31.9	-34.6	-37.2	-37.2
4	-34.6	-31.9	-31.9	-31.9	-31.9	-29.3	-29.3	-30.6	-29.3	-31.9	-31.9	-31.9	-31.9
5	-31.9	-29.3	-38.6	-33.2	-34.6	-33.2	-30.6	-38.6	-34.6	-33.2	-31.9	-31.9	-31.9
6	-38.6	-35.9	-34.6	-35.9	-37.2	-34.6	-33.2	-34.6	-34.6	-37.2	-37.2	-37.2	-35.9
7	-33.2	-31.9	-31.9	-34.6	-37.2	-39.9	-35.9	-33.2	-34.6	-34.6	-34.6	-34.6	-34.6
8	-29.3	-29.3	-30.6	-34.6	-38.6	-37.2	-	-	-	-	-	-	-
9	-29.3	-29.3	-29.3	-31.9	-31.9	-34.6	-33.2	-33.2	-39.9	-34.6	-34.6	-31.9	-30.6
10	-29.3	-29.3	-31.9	-31.9	-31.9	-33.2	-31.9	-35.9	-41.2	-35.9	-33.2	-34.6	-31.9
11	-27.9	-27.9	-29.3	-29.3	-29.3	-30.6	-30.6	-34.6	-39.9	-29.3	-31.9	-31.9	-33.2
12	-29.3	-29.3	-29.3	-29.3	-29.3	-29.3	-29.3	-31.9	-30.6	-33.2	-33.2	-33.2	-33.2
13	-29.3	-27.9	-29.3	-31.9	-33.2	-33.2	-33.2	-31.9	-30.6	-30.6	-31.9	-31.9	-33.2
14	-26.6	-24.0	-27.9	-29.3	-31.9	-29.3	-33.2	-33.2	-33.2	-31.9	-31.9	-31.9	-31.9
15	-27.9	-26.6	-26.6	-29.3	-30.6	-30.6	-31.9	-29.3	-30.6	-29.3	-29.3	-29.3	-27.9
16	-26.6	-27.9	-27.9	-26.6	-26.6	-30.6	-31.9	-29.3	-30.6	-27.9	-27.9	-29.3	-29.3
17	-26.6	-26.6	-26.6	-26.6	-29.3	-27.9	-29.3	-29.3	-26.6	-24.0	-26.6	-24.0	-24.0
18	-24.0	-24.0	-22.6	-24.0	-22.6	-22.6	-22.6	-21.3	-24.0	-26.6	-24.0	-26.6	-27.9
19	-26.6	-25.3	-24.0	-25.3	-25.3	-22.6	-22.6	-25.3	-26.6	-27.9	-29.3	-29.3	-29.3
20	-26.6	-24.0	-25.3	-27.9	-29.3	-26.6	-27.9	-25.3	-26.6	-25.3	-27.9	-27.9	-26.6
21	-24.0	-22.6	-22.6	-26.6	-26.6	-24.0	-26.6	-25.3	-26.6	-27.9	-27.9	-26.6	-26.6
22	-25.3	-24.0	-24.0	-22.6	-27.9	-29.3	-29.3	-29.3	-30.6	-27.9	-27.9	-29.3	-29.3
23	-26.6	-26.6	-27.9	-31.9	-34.6	-31.9	-31.9	-27.9	-29.3	-29.3	-33.2	-34.6	-33.2
24	-29.3	-27.9	-27.9	-29.3	-31.9	-30.6	-31.9	-29.3	-31.9	-27.9	-29.3	-27.9	-26.6
25	-30.6	-26.6	-27.9	-30.6	-34.6	-31.9	-31.9	-27.9	-27.9	-29.3	-27.9	-29.3	-30.6
26	-27.9	-26.6	-27.9	-29.3	-29.3	-26.6	-25.3	-26.6	-26.6	-26.6	-27.9	-27.9	-27.9
27	-25.3	-24.0	-26.6	-27.9	-29.3	-29.3	-29.3	-27.9	-27.9	-26.6	-26.6	-27.9	-27.9
28	-27.9	-26.6	-26.6	-27.9	-	-	-27.9	-26.6	-26.6	-26.6	-25.3	-27.9	-29.3
29	-26.6	-25.3	-25.3	-26.6	-29.3	-31.9	-30.6	-30.6	-30.6	-31.9	-31.9	-34.6	-31.9
30	-26.6	-21.3	-24.0	-26.6	-30.6	-29.3	-29.3	-29.3	-27.9	-27.9	-26.6	-29.3	-27.9
31													
Prom	-28.6	-27.4	-28.3	-29.8	-31.2	-30.8	-30.5	-30.3	-31.0	-29.7	-30.2	-30.6	-30.4
Var.	1.3	2.5	1.6	0.1	- 1.3	- 0.9	- 0.6	- 0.4	- 1.1	0.2	- 0.3	- 0.7	- 0.5

LÍNEAS CORTAS

13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedio	Tipo
6.9	5.2	- 1.4	1.7	5.2	8.6	6.9	5.2	18.9	6.9	22.3	6.9	1
5.2	3.4	3.4	1.7	3.4	3.4	3.4	1.7	13.8	3.4	5.2	4.7	1
- 2.7	- 4.1	- 9.5	- 4.1	1.7	- 4.1	- 4.1	5.2	6.9	6.9	5.2	0.2	2
1.7	1.7	3.4	5.2	1.7	- 2.7	- 1.4	1.7	3.4	6.9	6.9	3.5	0
6.9	3.4	- 5.4	1.7	3.4	- 1.4	1.7	1.7	1.7	3.4	5.2	3.7	1
- 1.4	- 2.7	- 2.7	- 1.4	- 1.4	1.7	1.7	1.7	5.2	6.9	8.6	2.7	1
5.2	3.4	8.6	- 5.4	- 4.1	1.7	1.7	1.7	3.4	8.6	6.9	4.5	1
10.3	5.2	10.3	8,6	8.6	6.9	6.9	6.9	12.0	10.3	10.3	8.0	1
10.3	8.6	6.9	3.4	5.2	6.9	6.9	3.4	10.3	8.6	6.9	7.1	1
5.2	3.4	3.4	3.4	5.2	3.4	3.4	3.4	3.4	6.9	5.2	5.3	1
3.4	1.7	1.7	3.4	1.7	6.9	6.9	6.9	10.3	10.3	10.3	7.2	1
6.9	5.2	6.9	6.9	6.9	6.9	8.6	6.9	8.6	13.8	10.3	9.0	0
12.0	10.3	12.0	8.6	12.0	3.4	1.7	2.7	10.3	12.0	5.2	9.2	1
12.0	3.4	6.9	8.6	5.2	3.4	8.6	8.6	10.3	8.6	8.6	8.5	1
5.2	3.4	5.2	3.4	6.9	5.2	5.2	5.2	6.9	6.9	6.9	5.5	1
6.9	1.7	1.7	6.9	5.2	3.4	8.6	6.9	6.9	6.9	5.2	5.7	0
10.3	5.2	1.7	- 1.4	6.9	10.3	6.9	6.9	12.0	8.6	6.9	8.1	1
3.4	- 1.4	3.4	1.7	3.4	3.4	5.2	6.9	10.3	10.3	8.6	6.7	1
6.9	3.4	3.4	3.4	3.4	5.2	8.6	5.2	6.9	10.3	5.2	6.2	1
10.3	1.7	1.7	- 2.7	8.6	10.3	13.8	13.8	13.8	12.0	6.9	7.3	2
13.8	10.3	3.4	6.9	10.3	6.9	6.9	6.9	17.2	13.8	10.3	8.6	1
10.3	5.2	6.9	5.2	6.9	6.9	6.9	1.7	10.3	10.3	8.6	8.0	1
12.0	6.9	5.2	3.4	6.9	6.9	5.2	3.4	10.3	10.3	6.9	7.0	1
13.8	8.6	8.6	5.2	1.7	1.7	8.6	10.3	13.8	13.8	6.9	8.6	1
12.0	8.6	6.9	- 2.7	3.4	8.6	6.9	6.9	13.8	10.3	8.6	8.0	1
6.9	6.9	8.6	10.3	8.6	6.9	10.3	5.2	10.3	13.8	10.3	9.7	1
8.6	6.9	5.2	1.7	6.9	13.8	8.6	5.2	12.0	10.3	10.3	10.0	2
13.8	10.3	8.6	5.2	5.2	6.9	6.9	8.6	12.0	10.3	6.9	9.5	1
8.6	12.0	3.4	- 8.1	- 2.7	15.4	15.4	17.2	15.4	13.8	8.6	9.1	2
13.8	6.9	5.2	6.9	8.6	8.6	1.7	8.6	6.9	6.9	17.2	9.7	2
7.9	4.8	4.1	2.9	4.8	5.5	6.0	5.7	9.9	9.4	8.4	7.0	
0.9	- 2.2	- 2.9	- 4.1	- 2.2	- 1.5	- 1.0	- 1.3	2.9	2.4	1.4		

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
-29.3	-31.9	-33.2	-31.9	-30.6	-35.9	-34.6	-30.6	-27.9	-26.6	-26.6	-31.7	0
-30.6	-29.3	-31.9	-29.3	-27.9	-31.9	-33.2	-30.6	-29.3	-27.9	-30.6	-30.4	1
-41.2	-39.9	-	-37.2	-34.6	-37.2	-39.9	-37.2	-31.9	-34.6	-31.9	-34.8	1
-31.9	-31.9	-34.6	-31.9	-39.9	-38.6	-37.2	-37.2	-34.6	-33.2	-31.9	-33.0	0
-31.9	-30.6	-31.9	-33.2	-31.9	-37.2	-35.9	-35.9	-34.6	-34.6	-31.9	-33.5	1
-35.9	-39.9	-34.6	-34.6	-34.6	-34.6	-37.2	-34.6	-34.6	-31.9	-31.9	-35.5	0
-31.9	-31.9	-31.9	-33.2	-37.2	-34.6	-39.9	-37.2	-33.2	-31.9	-31.9	-34.4	1
-	-31.9	-	-	-31.9	-34.6	-35.9	-31.9	-29.3	-29.3	-31.9	-32.6	1
-31.9	-31.9	-31.9	-33.2	-31.9	-31.9	-31.9	-30.6	-27.9	-27.9	-29.3	-31.9	0
-29.3	-29.3	-34.6	-30.6	-29.3	-29.3	-31.9	-31.9	-29.3	-30.6	-30.6	-32.0	1
-33.2	-30.6	-31.9	-30.6	-31.9	-31.9	-33.2	-31.9	-30.6	-29.3	-29.3	-31.2	0
-31.9	-31.9	-35.9	-34.6	-33.2	-34.6	-33.2	-31.9	-31.9	-30.6	-29.3	-31.6	0
-35.9	-37.2	-29.3	-31.9	-31.9	-31.9	-30.6	-27.9	-25.3	-26.6	-27.9	-31.0	0
-30.6	-27.9	-29.3	-29.3	-27.9	-31.9	-30.6	-30.6	-27.9	-27.9	-29.3	-30.0	1
-27.9	-26.6	-27.9	-29.3	-27.9	-29.3	-30.6	-27.9	-26.6	-26.6	-27.9	-28.6	0
-29.3	-22.6	-24.0	-29.3	-27.9	-27.9	-29.3	-27.9	-24.0	-26.6	-26.6	-27.8	0
-24.0	-26.6	-26.6	-24.0	-24.0	-25.3	-26.6	-24.0	-21.3	-22.6	-22.6	-25.6	1
-26.6	-24.0	-24.0	-25.3	-25.3	-24.0	-24.0	-22.6	-21.3	-21.3	-24.0	-24.0	0
-26.6	-26.6	-26.6	-29.3	-29.3	-30.6	-29.3	-29.3	-29.3	-26.6	-26.6	-27.1	1
-24.0	-26.6	-26.6	-26.6	-25.3	-26.6	-29.3	-26.6	-25.3	-24.0	-24.0	-26.3	0
-24.0	-26.6	-27.9	-29.3	-27.9	-27.9	-30.6	-27.9	-26.6	-26.6	-26.6	-26.5	0
-33.2	-33.2	-29.3	-31.9	-29.3	-31.9	-31.9	-27.9	-27.9	-27.9	-27.9	-28.7	1
-31.9	-27.9	-29.3	-31.9	-31.9	-31.9	-34.6	-29.3	-29.3	-29.3	-29.3	-30.6	1
-30.6	-29.3	-27.9	-26.6	-27.9	-27.9	-29.3	-27.9	-26.6	-27.9	-27.9	-28.8	1
-30.6	-27.9	-26.6	-27.9	-27.9	-29.3	-30.6	-27.9	-25.9	-26.6	-26.6	-28.9	0
-29.3	-26.6	-26.6	-26.6	-27.9	-26.6	-27.9	-29.3	-27.9	-25.3	-25.3	-27.3	0
-27.9	-22.6	-27.9	-26.6	-26.6	-26.6	-27.9	-26.6	-25.3	-25.3	-27.9	-27.0	1
-29.3	-27.9	-26.6	-33.2	-35.9	-34.6	-35.9	-31.9	-29.3	-29.3	-30.6	-29.3	1
-34.6	-31.9	-30.6	-31.9	-33.2	-31.9	-30.6	-27.9	-24.0	-26.6	-26.6	-29.9	1
-29.3	-27.9	-27.9	-29.3	-29.3	-29.3	-31.9	-29.3	-26.6	-27.9	-33.2	-28.3	1
-30.5	-29.7	-29.5	-30.4	-30.4	-31.3	-32.2	-30.1	-28.2	-28.1	-28.6	-29.9	
- 0.6	0.2	0.4	- 0.5	- 0.5	- 1.4	- 2.3	- 0.2	1.7	1.8	1.3		

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	64.1	63.7	63.4	62.9	62.9	62.9	63.3	63.2	63.0	62.7	62.6	62.6	61.2	60.8	60.8
2	59.3	58.7	58.2	58.1	57.3	57.2	57.1	57.1	56.1	56.9	56.9	55.6	53.8	52.4	51.5
3	50.9	51.5	51.3	50.9	51.0	52.0	52.5	53.1	53.5	54.0	54.1	54.2	54.3	54.3	54.5
4	61.0	61.7	62.1	62.9	62.9	62.8	62.9	63.1	64.0	64.2	64.7	64.5	63.9	63.2	63.0
5	62.9	62.2	61.4	61.2	61.2	61.6	61.7	62.0	62.1	62.0	62.0	61.4	60.7	59.9	59.7
6	61.7	61.7	61.5	61.4	61.4	61.6	62.1	62.2	61.9	61.7	61.3	60.7	59.8	59.2	58.7
7	57.3	56.8	56.2	55.5	55.5	55.5	55.6	55.8	55.6	55.4	55.3	55.2	54.5	54.3	54.2
8	61.6	61.8	62.5	62.9	63.5	64.4	64.4	64.0	65.3	65.5	65.5	65.4	64.9	64.6	64.3
9	65.4	65.3	64.7	64.5	63.9	63.9	63.9	64.0	63.8	63.7	62.9	62.3	61.0	60.0	59.9
10	58.4	57.8	56.9	56.4	56.1	56.2	56.1	56.2	56.0	55.4	55.0	53.9	53.2	52.2	51.6
11	53.4	53.3	53.3	53.2	53.3	54.0	54.2	54.5	55.2	54.9	54.6	54.6	54.2	54.0	54.7
12	61.0	61.0	61.1	61.1	61.7	62.4	63.3	64.0	64.2	64.6	64.8	64.6	64.4	64.1	64.2
13	69.8	70.1	70.2	70.5	70.9	71.0	71.3	71.7	72.4	72.5	72.5	72.3	71.9	71.6	70.8
14	70.4	70.1	70.0	70.2	70.4	70.2	70.3	70.3	70.3	70.2	69.5	69.0	68.0	66.6	66.1
15	62.6	62.3	61.3	60.6	60.1	59.9	59.8	60.0	59.7	59.0	58.5	57.5	56.1	54.7	54.2
16	55.0	55.0	54.8	54.9	55.0	55.3	55.9	56.6	56.7	56.8	56.7	56.5	55.8	55.6	55.6
17	58.7	58.2	57.6	57.5	57.8	57.9	58.3	59.2	59.5	59.6	59.7	59.6	59.2	58.7	58.5
18	58.7	58.3	58.0	57.5	57.6	58.1	58.3	58.6	58.7	58.7	58.5	58.0	57.0	56.8	57.0
19	59.6	59.9	60.3	60.7	61.0	61.8	62.7	62.9	63.0	63.0	62.9	62.6	62.0	61.4	61.1
20	61.2	61.1	60.6	60.2	60.1	60.1	60.0	59.9	59.9	59.4	58.8	57.8	57.0	55.5	55.1
21	54.2	53.4	53.2	53.5	54.8	54.7	54.8	54.4	54.2	53.9	54.5	54.4	54.0	53.9	54.0
22	55.1	55.2	55.4	55.5	55.8	56.4	56.6	57.4	57.9	57.9	57.9	57.9	58.0	58.0	57.8
23	59.2	59.1	59.0	59.3	59.4	59.7	60.1	60.4	60.5	60.8	60.9	60.5	60.3	59.6	59.2
24	59.6	59.5	59.4	59.4	59.5	59.9	60.6	60.6	60.4	60.4	60.2	60.0	59.5	59.0	58.7
25	61.2	61.4	61.7	62.5	62.7	63.5	63.8	63.8	63.8	63.8	64.0	63.9	64.0	64.3	64.1
26	65.7	65.4	65.2	64.9	65.1	65.5	65.6	65.6	65.5	65.5	65.4	65.3	65.2	64.6	64.4
27	65.0	64.8	64.7	64.5	64.5	64.8	65.2	65.2	65.1	65.1	64.4	64.2	63.8	63.5	63.5
28	65.0	64.9	64.9	65.0	65.8	66.7	67.1	67.8	68.0	68.2	68.3	68.3	68.2	68.2	68.2
29	69.8	69.7	69.5	69.4	69.5	69.5	69.7	69.8	69.7	69.6	69.5	69.5	69.2	68.6	68.2
30	68.9	68.5	68.2	68.0	68.1	68.4	68.5	68.8	68.7	68.5	68.3	68.2	67.6	67.1	66.6
31															
Prom	61.2	61.1	60.9	60.1	61.0	61.3	61.5	61.7	61.8	61.8	61.7	61.4	60.8	60.2	60.0

TEMPERATURA DEL AIRE

a la sombra en grados C.

DÍAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	10.7	10.7	10.8	10.7	10.7	11.1	11.4	12.1	12.2	13.0	13.2	13.1	13.1	13.3	13.4
2	13.5	13.6	13.8	13.9	13.9	13.9	13.9	14.4	14.6	14.7	14.9	15.0	15.0	15.1	15.1
3	14.8	14.8	14.8	14.9	13.7	12.2	12.0	12.0	13.0	13.1	15.0	16.6	16.8	17.1	16.9
4	5.0	4.9	3.9	4.0	4.0	3.8	3.9	10.1	12.9	14.1	15.0	16.8	17.6	17.9	18.3
5	8.7	9.0	7.7	6.9	6.8	6.6	7.1	9.7	12.1	14.0	15.9	16.9	17.9	18.4	18.3
6	8.3	7.3	6.9	6.5	3.9	3.7	3.8	9.1	12.2	15.3	16.8	17.7	18.1	18.7	18.8
7	9.1	8.6	8.8	8.6	7.9	7.9	9.3	13.1	16.2	17.7	19.8	21.0	21.3	22.1	22.2
8	10.0	9.7	9.0	8.0	7.0	6.6	6.1	8.3	10.9	12.3	13.3	13.7	14.4	15.0	14.4
9	7.0	6.9	7.0	6.7	5.2	4.3	4.1	7.9	10.9	11.9	12.2	13.2	14.0	14.7	14.8
10	5.3	7.5	7.6	7.9	7.8	8.3	9.3	12.5	15.4	17.4	18.8	20.5	21.0	22.0	22.1
11	15.0	14.9	14.7	13.7	12.0	11.6	13.1	15.9	18.1	18.3	20.0	21.2	22.1	22.3	16.8
12	7.9	6.9	6.0	5.3	4.8	4.2	3.7	7.1	9.9	11.3	12.8	13.8	14.4	15.0	14.8
13	4.4	3.2	1.9	1.0	0.2	- 0.7	0.7	5.4	8.3	9.6	10.5	11.4	12.4	13.3	13.5
14	3.1	4.2	4.1	3.2	1.3	0.2	4.5	9.1	10.1	10.6	11.2	11.7	11.9	12.4	12.9
15	12.3	12.3	12.1	12.0	11.9	11.4	11.4	11.5	11.8	12.7	13.2	15.1	16.8	17.7	17.8
16	12.0	11.0	10.7	10.3	10.2	9.8	9.8	11.1	12.8	15.5	17.5	19.0	19.9	19.8	19.2
17	10.5	10.3	9.8	9.5	9.6	9.7	9.9	10.9	12.0	13.1	14.4	15.3	16.3	17.2	17.1
18	4.9	4.8	5.9	5.9	6.9	7.4	8.2	10.1	10.0	14.1	15.2	17.8	18.8	19.7	19.8
19	12.3	11.6	10.2	9.1	7.6	6.1	6.9	10.8	13.7	14.9	15.9	16.9	17.1	17.9	18.0
20	5.0	6.5	6.5	6.6	7.7	7.3	8.4	12.7	16.2	17.6	18.6	19.7	20.9	21.4	21.6
21	15.0	14.9	14.5	13.9	12.8	12.2	11.8	11.9	12.3	13.6	13.6	13.0	11.8	11.7	11.1
22	9.0	8.7	8.4	8.4	8.5	8.6	9.1	9.4	10.2	10.9	12.4	14.2	15.1	15.3	15.6
23	6.3	5.7	4.5	4.7	4.5	4.3	5.3	9.5	13.3	15.2	16.2	17.6	17.5	18.7	18.7
24	10.4	9.9	8.0	6.9	6.1	5.6	7.8	12.6	16.5	17.8	18.8	19.8	20.1	20.7	20.4
25	9.8	9.5	9.7	8.1	7.3	6.8	6.7	9.8	11.9	13.5	14.7	14.8	14.9	14.9	14.9
26	7.1	5.9	4.9	4.2	3.0	2.9	5.2	7.7	11.9	12.9	13.0	13.3	13.0	13.7	13.9
27	3.3	2.2	1.4	2.5	1.9	1.4	4.5	9.5	13.2	15.0	15.5	16.5	16.5	17.1	16.1
28	3.4	2.6	2.7	2.3	2.6	3.0	6.2	10.9	12.1	13.2	13.9	14.2	14.0	13.0	12.1
29	6.7	5.9	4.9	4.5	3.9	3.6	4.5	8.8	11.9	12.0	13.0	12.9	13.4	14.0	14.1
30	7.1	7.0	6.5	5.9	4.5	4.3	8.2	12.9	13.8	15.3	15.5	15.7	16.5	16.9	16.8
31															
Prom	8.6	8.4	7.9	7.5	6.9	6.6	7.6	10.6	12.7	14.0	15.0	15.9	16.4	16.9	16.6

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
60.4	60.0	59.5	60.0	60.2	60.3	60.3	60.2	59.6	64.3	0-1	59.5	18	4.8	761.7 mm.	1015.6 mb.
52.1	52.1	52.3	53.8	52.6	51.8	51.7	51.8	51.7	59.6	0	51.7	22,24	7.9	54.8	1006.4
54.8	55.7	56.8	57.7	58.7	59.2	59.7	60.3	60.7	60.7	24	50.9	1,4	9.8	54.8	1006.4
63.0	63.0	63.1	63.1	63.2	63.1	63.1	63.0	63.0	64.7	11	60.7	0	4.0	63.1	1017.4
60.0	60.1	60.2	61.0	61.2	61.4	61.6	61.6	61.7	63.0	0	59.7	15	3.3	61.3	1015.0
58.1	58.0	58.0	58.0	58.0	57.7	57.6	57.4	57.3	62.2	8	57.3	24	4.9	59.9	1013.2
54.2	54.6	55.1	56.1	57.8	59.1	59.9	60.0	61.0	61.0	24	54.0	16-17	7.0	56.2	1008.2
64.2	64.3	64.2	64.6	64.9	65.4	65.4	65.4	65.4	65.5	10,11	61.0	0	4.5	64.4	1019.2
59.5	59.5	59.5	59.4	60.4	59.4	59.2	58.7	58.7	65.4	0,1	58.7	23,24	6.7	61.8	1015.7
51.8	51.7	52.0	52.5	52.8	53.1	53.5	53.8	53.8	58.7	0	51.6	15	7.1	54.4	1005.8
55.2	56.3	57.8	58.9	59.8	60.5	60.9	61.0	60.9	61.0	23	53.2	4	7.8	55.9	1007.8
64.5	64.7	65.2	65.9	66.8	67.2	68.1	68.8	69.1	69.1	24	60.9	0	8.2	64.4	1019.2
70.7	70.7	70.7	70.7	70.3	71.0	70.9	70.8	70.6	72.5	10,11	69.1	0	3.4	71.1	1028.1
65.4	64.8	64.8	64.7	64.4	64.2	63.6	63.1	62.7	70.6	0	62.7	24	7.9	67.5	1023.3
54.0	54.0	54.1	54.2	54.6	54.6	54.7	54.8	54.9	62.7	0	54.0	16,17	8.7	57.3	1009.7
55.6	55.9	56.2	56.8	57.0	57.7	58.1	58.2	58.3	58.3	24	54.8	3	3.5	56.2	1008.2
58.4	58.8	58.9	58.9	59.1	59.2	59.2	59.1	59.1	59.9	10-11	57.5	4	2.4	58.7	1011.6
56.8	57.0	57.3	57.5	57.6	58.2	58.3	58.4	58.6	59.1	0	56.8	16	2.3	57.9	1010.5
61.1	61.2	61.2	61.3	61.4	61.5	61.4	61.2	61.3	63.2	9-10	58.6	0	4.6	61.5	1015.3
54.6	54.5	54.8	55.1	54.8	54.6	54.3	54.3	54.4	61.3	0	54.3	22,23	7.0	57.4	1009.8
53.7	53.2	53.5	53.8	54.0	54.6	54.7	54.8	55.0	55.0	24	52.9	3-4	2.1	54.1	1005.4
57.8	58.1	58.2	58.2	59.0	59.3	59.3	59.2	59.2	59.3	21,22	55.0	0	4.3	57.5	1010.5
59.2	59.2	59.4	59.4	59.4	59.5	60.2	59.8	59.8	60.9	11	59.0	3	1.9	59.7	1012.9
58.7	59.1	59.3	59.5	59.8	60.3	60.5	60.7	60.7	60.7	23,24	59.4	3,4	1.3	59.8	1013.0
64.0	64.8	64.7	65.0	65.0	65.2	65.9	65.6	65.8	65.9	22	60.7	0	5.2	63.9	1018.5
64.4	64.5	64.8	64.8	65.2	65.6	65.5	65.3	65.2	65.8	0	64.4	15,16	1.4	65.2	1020.2
63.5	63.7	63.9	64.0	64.5	64.8	64.9	65.0	65.1	65.2	varios	63.5	varios	1.7	64.5	1019.3
68.4	68.6	68.7	68.9	69.6	69.7	69.6	69.5	69.6	69.7	21	64.9	2,3	4.8	67.8	1023.7
68.1	68.0	67.9	68.2	68.3	68.8	68.9	69.0	69.1	69.8	1,8	67.9	18	1.9	69.1	1025.4
66.3	66.3	66.5	66.6	66.8	66.8	66.8	66.6	66.6	69.1	0	66.3	16,17	2.8	67.6	1023.4
60.0	60.1	60.3	60.6	60.9	61.1	61.3	61.2	61.3	63.4		58.7		4.7	61.0	1014.6

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
13.4	13.4	13.6	13.7	13.6	13.6	13.6	13.6	13.5	13.7	19	10.6	0	3.1	12.6
15.1	15.0	15.0	15.1	15.5	15.5	15.5	15.4	15.1	15.5	varios	13.5	0,1	2.0	14.7
16.6	15.8	13.8	12.1	10.6	8.5	8.0	6.7	5.4	17.6	14-15	5.4	24	12.2	13.1
18.1	17.7	15.5	12.9	11.0	10.6	9.9	9.5	9.0	18.3	15	3.6	6-7	14.7	11.1
17.9	16.5	14.2	11.5	11.1	10.5	10.6	9.9	9.3	18.4	14	6.6	6	11.8	12.0
18.1	16.8	14.6	12.6	11.8	11.5	10.5	10.4	10.1	18.8	15	3.5	6-7	15.3	11.8
22.8	22.1	18.5	16.3	14.2	13.1	12.1	10.9	10.4	22.8	16	7.9	5,6	14.9	14.6
13.3	12.2	11.1	10.7	9.6	9.0	8.6	7.7	7.0	15.0	14	5.9	6-7	9.1	10.3
14.8	14.3	11.9	10.6	8.7	7.9	7.9	7.9	6.7	15.3	14-15	3.7	6-7	11.6	9.6
21.8	21.1	19.0	17.6	16.6	16.4	16.3	14.7	15.3	22.4	15-16	5.3	1	17.1	15.1
14.1	12.8	11.8	10.7	9.9	9.6	8.9	8.8	8.8	22.6	13-14	8.8	23,24	13.8	14.4
14.0	12.9	11.3	9.2	8.0	7.8	7.3	6.5	5.4	15.0	14	3.7	7	11.3	9.2
13.3	11.5	9.6	7.2	6.3	7.2	7.2	6.3	4.5	13.5	15	- 0.7	6	14.2	7.0
12.6	12.5	12.1	12.1	12.3	12.4	12.4	12.4	12.3	12.9	15	0.0	5-6	12.9	9.2
16.9	16.6	15.8	14.8	13.9	13.9	13.8	13.8	13.0	17.8	15	11.4	6,7	6.4	13.8
18.1	16.7	14.6	14.6	12.1	11.4	10.6	10.3	10.4	19.9	13	9.8	6,7	10.1	13.6
16.6	15.4	14.0	12.4	10.6	9.7	8.5	6.8	5.0	17.4	15-16	4.8	23-24	12.6	11.8
19.2	18.3	16.0	13.4	12.3	12.2	11.7	11.7	11.7	19.8	15	3.8	1-2	16.0	12.4
17.9	17.1	14.7	11.7	8.9	7.7	6.6	5.7	5.5	18.0	15	5.5	24	12.5	11.9
21.5	20.7	18.5	17.2	17.0	16.9	16.1	15.9	15.2	21.6	15	5.0	1	16.6	14.8
10.9	10.9	11.1	11.1	11.1	10.7	10.3	9.8	9.2	15.2	0	9.2	24	6.0	12.0
15.9	15.7	13.7	12.2	9.7	9.1	7.6	6.7	6.3	16.3	15-16	6.3	24	10.0	10.9
17.1	16.5	15.7	14.9	13.6	12.6	10.7	10.6	10.6	18.9	14-15	3.0	6-7	15.9	11.8
21.2	20.3	17.7	15.1	12.6	12.0	11.0	10.0	9.9	21.2	16	5.6	6	15.6	13.8
13.7	13.1	12.2	11.6	10.8	9.8	9.1	8.9	8.1	15.2	11-12	6.5	6-7	8.7	11.0
13.5	12.5	11.1	9.7	7.6	6.0	5.6	4.9	3.7	13.9	15	2.9	6	11.0	8.6
15.0	13.8	12.2	11.2	10.1	7.7	6.0	4.6	4.1	17.3	14-15	1.1	3-4	16.2	9.2
12.0	11.5	10.0	8.7	7.7	7.7	7.2	6.7	6.8	15.0	11-12	1.3	4-5	13.7	8.5
13.8	12.8	11.8	10.5	9.7	9.1	8.1	7.2	7.0	14.1	15	3.6	6	10.5	9.3
16.4	15.4	13.3	11.5	10.9	10.7	9.0	7.9	8.0	17.1	13-14	4.3	6	12.8	11.2
16.2	15.4	13.8	12.4	11.3	10.7	10.0	9.4	8.9	17.4		5.4		12.0	11.6

HUMEDAD RELATIVA en %

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

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	9.0	9.0	9.5	9.5	10.0	10.0	10.5	11.0	10.5	10.5	11.0	11.0
2	11.0	11.0	11.5	11.5	11.5	11.5	11.5	11.5	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3	12.0	12.0	12.0	12.0	11.0	11.0	11.0	9.8	9.5	9.0	9.0	8.5	8.0	8.0	7.4
4	6.2	6.2	5.8	5.8	5.8	5.8	5.8	6.6	5.2	6.8	7.8	7.4	7.8	8.1	8.0
5	7.2	7.8	7.6	7.2	7.2	7.2	7.2	7.6	7.6	8.0	8.0	8.0	8.0	7.6	7.4
6	7.8	7.4	7.2	7.0	5.8	5.8	5.8	7.0	7.0	6.2	5.4	5.6	5.0	4.4	5.2
7	7.8	7.6	7.0	7.2	7.2	6.8	7.2	8.8	9.0	10.0	10.5	10.5	9.5	9.0	10.5
8	7.6	7.4	6.6	6.6	6.8	6.6	6.4	6.4	5.6	4.4	4.2	4.8	4.6	5.0	4.6
9	7.2	7.2	7.2	7.0	6.4	6.0	6.0	6.2	6.4	7.0	7.0	7.0	6.8	7.2	7.2
10	6.4	7.4	7.4	7.6	7.6	7.8	8.5	10.4	11.0	11.5	11.5	12.0	11.5	12.0	11.5
11	12.0	12.0	12.0	11.0	10.0	9.5	10.5	13.0	13.5	13.5	13.5	14.5	15.0	13.5	8.0
12	7.6	7.2	6.8	6.4	6.2	6.0	5.8	6.9	6.6	6.6	6.2	6.2	5.8	5.0	4.6
13	5.4	5.6	5.0	4.8	4.4	4.2	4.6	5.5	5.0	5.0	5.0	5.2	5.0	5.3	4.8
14	5.4	6.0	6.0	5.6	4.8	4.4	5.4	6.0	5.8	5.4	5.2	5.4	5.4	5.5	5.2
15	7.2	7.6	8.0	8.0	8.0	8.0	8.0	8.0	8.5	9.0	9.0	9.5	11.0	11.0	11.0
16	10.0	9.5	9.0	9.0	9.0	8.5	8.5	9.5	10.5	10.5	10.5	10.0	10.0	11.5	11.0
17	9.0	9.0	8.5	8.5	8.5	8.5	8.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
18	6.2	6.2	6.6	6.6	7.2	7.4	7.8	9.0	9.5	8.5	8.5	7.8	8.5	9.1	8.0
19	9.0	7.8	7.6	7.4	7.4	6.8	7.2	8.0	6.6	6.6	5.6	6.0	5.4	5.6	5.8
20	5.6	6.2	6.2	6.2	6.0	6.2	5.8	6.8	7.2	7.8	7.6	7.2	7.8	6.2	6.2
21	8.5	9.0	9.5	9.5	10.0	9.5	10.0	10.2	9.5	10.0	10.0	10.0	10.0	10.0	9.5
22	7.8	7.8	7.6	7.6	7.6	7.6	7.8	8.1	8.0	8.5	8.0	8.5	8.5	8.6	8.5
23	6.8	6.6	6.0	6.2	6.0	6.0	6.4	8.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0
24	9.0	8.5	7.8	7.2	6.8	6.6	7.6	10.5	9.5	10.0	9.0	9.5	9.0	9.6	9.0
25	8.5	8.5	8.0	6.6	6.2	6.4	6.4	6.7	7.0	6.6	6.4	7.2	7.2	7.2	7.2
26	6.2	6.0	5.6	5.6	5.4	5.4	5.4	6.3	7.4	6.8	6.4	6.4	5.8	5.7	5.0
27	5.6	5.2	4.8	5.2	5.0	4.8	6.0	7.2	7.6	7.2	6.8	6.6	6.6	6.5	7.8
28	5.6	5.2	5.4	5.2	5.2	5.4	6.2	7.6	7.6	8.0	6.8	6.8	7.4	7.8	7.6
29	6.0	5.6	6.0	5.8	5.8	5.6	6.0	6.4	6.4	6.4	5.8	5.8	6.0	5.6	5.6
30	6.2	5.8	6.6	6.6	6.0	6.0	7.4	9.0	7.8	7.6	6.2	6.2	6.6	6.1	6.0
31															
Prom.	7.6	7.6	7.5	7.3	7.1	7.0	7.3	8.2	8.2	8.2	8.0	8.1	8.1	8.1	7.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
100	100	100	100	100	100	100	100	100	100	varios	95	varios	5	99
99	99	99	99	93	94	96	99	100	100	varios	93	20	7	99
49	53	56	65	74	89	94	99	100	100	varios	49	16	51	81
51	54	70	85	78	80	80	84	87	100	varios	48	9	52	76
50	61	74	85	82	83	87	85	92	100	varios	45	13-14	55	78
42	52	62	73	74	80	85	86	92	100	varios	30	14	70	72
48	55	72	81	73	70	67	76	78	95	1-2	48	16	47	72
45	52	54	54	56	63	74	90	93	94	7	36	14-15	58	65
57	58	70	80	90	96	97	99	100	100	varios	55	14-15	45	81
61	67	79	81	84	85	88	95	97	100	varios	60	15	40	84
61	71	78	77	79	81	86	92	91	100	varios	57	15	43	85
43	47	55	70	77	76	77	80	83	100	varios	38	15	62	74
51	61	70	82	90	86	87	87	96	100	varios	44	15	56	77
57	62	65	59	56	59	62	66	69	100	varios	48	15	52	70
80	83	88	94	95	95	96	96	97	97	24	69	0	28	84
75	67	75	77	84	93	98	100	100	100	varios	60	13	40	86
67	75	84	89	95	97	99	99	100	100	varios	63	15	37	88
49	52	59	74	74	85	86	88	89	100	varios	43	15-16	57	79
38	38	53	68	78	87	92	96	94	100	7	38	16,17	62	70
39	42	51	53	55	55	59	64	69	94	0	35	14,15	59	60
100	100	98	97	98	98	95	93	92	100	varios	69	0	31	92
65	65	75	82	95	97	100	100	100	100	varios	63	16-17	37	85
68	76	77	80	84	90	96	93	98	100	varios	56	14	44	84
49	49	67	76	88	93	94	98	98	100	varios	46	15-16	54	80
72	63	60	59	63	63	62	64	73	99	1,2	55	11	44	70
46	53	65	73	84	91	96	98	99	100	5-6	40	15-16	60	76
64	67	75	73	72	84	94	98	100	100	varios	42	13-14	58	78
70	70	72	77	80	77	77	78	80	100	varios	57	11-12	43	80
52	56	61	68	76	79	76	76	82	100	6	50	14,15	50	72
45	50	59	67	77	80	97	95	84	100	5,6	39	14-15	61	73
60	63	71	77	80	84	86	89	91	99		52		47	79

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Prom.
11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	varios	8.5	varios	2.5	10.2
12.0	12.0	12.0	12.0	12.1	12.0	12.5	12.5	12.5	12.5	varios	11.0	varios	1.5	11.8
6.6	7.0	6.8	6.6	6.8	7.2	7.4	7.0	6.4	12.5	0	6.6	16,19	5.9	8.8
8.0	7.8	8.5	9.0	7.7	7.4	7.0	7.2	7.4	9.0	19	5.2	9	3.8	7.0
7.2	8.5	8.5	8.0	8.2	7.8	8.0	7.4	8.0	8.5	17,18	7.2	varios	1.3	7.7
6.6	7.4	7.6	7.8	7.5	7.8	7.8	8.0	8.5	8.5	24	4.4	14	4.1	6.7
9.5	10.0	11.5	11.0	8.9	7.6	7.0	7.4	7.2	11.5	18	6.8	6	4.7	8.7
4.8	5.6	5.2	5.0	5.1	5.2	6.0	6.8	6.8	7.6	1	4.2	11	3.4	5.8
7.2	7.0	7.0	7.0	7.2	7.6	7.6	7.6	7.0	7.6	varios	6.0	6,7	1.6	7.0
12.0	12.5	12.5	12.0	11.5	11.5	12.0	11.5	12.5	12.5	varios	6.4	1	6.1	10.5
7.4	7.8	7.8	7.4	7.2	7.4	7.4	7.8	7.8	15.0	13	7.2	20	7.8	10.4
5.0	5.2	5.2	5.8	6.2	6.0	5.8	5.6	5.4	7.8	0	4.6	15	3.2	6.0
6.0	6.2	6.0	6.2	6.4	6.6	6.6	6.2	6.0	6.6	21,22	4.2	6	2.4	5.4
6.2	6.6	6.6	6.0	6.0	6.2	6.6	7.2	7.2	7.2	23,24	4.4	6	2.8	5.8
11.0	11.5	11.5	11.5	10.5	10.5	11.5	11.5	10.5	11.5	varios	7.2	0,1	4.3	9.6
11.0	9.5	9.0	9.0	8.7	9.0	9.0	9.0	9.0	11.5	14	8.5	6,7	3.0	9.6
9.5	9.5	9.5	9.0	8.5	8.5	8.0	7.2	6.2	9.5	varios	6.2	24	3.3	8.8
7.8	8.0	7.0	8.0	7.6	8.5	8.5	8.5	8.5	9.5	9	6.2	varios	3.3	7.9
5.6	5.4	6.4	6.8	6.7	6.8	6.6	6.6	6.2	9.0	1	5.4	13,17	3.6	6.7
7.2	7.6	8.0	7.6	7.6	7.6	7.8	8.0	8.5	8.5	24	5.6	1	2.9	7.0
9.5	9.5	9.5	9.5	9.6	9.0	8.5	8.0	8.0	10.2	8	8.0	23,24	2.2	9.4
8.0	8.0	8.5	8.5	8.0	8.0	7.6	7.0	6.8	8.6	14	6.8	24	1.8	8.0
9.5	10.5	10.0	9.5	9.5	9.5	9.0	8.5	9.0	10.5	17	6.0	varios	4.5	8.4
8.5	8.5	10.0	9.5	9.6	9.5	9.0	8.5	8.5	10.5	8	6.6	6	3.9	8.8
8.0	7.0	6.0	5.8	6.1	5.6	5.4	5.2	5.8	8.5	varios	5.2	23	3.3	6.7
5.4	5.6	6.0	6.4	6.5	6.4	6.6	6.2	5.8	7.4	9	5.0	15	2.4	6.0
7.8	7.8	7.6	7.2	6.6	6.4	6.4	6.2	6.0	7.8	varios	4.8	3,6	3.0	6.4
7.0	6.8	6.6	6.4	6.3	6.0	5.8	5.6	5.6	8.0	10	5.2	varios	2.8	6.4
6.2	6.2	6.4	6.4	6.9	6.6	6.2	5.8	6.0	6.9	20	5.6	varios	1.3	6.1
5.8	6.2	6.4	6.8	7.6	7.4	8.0	7.4	6.6	9.0	8	5.8	2,16	3.2	6.8
7.9	8.1	8.2	8.1	7.9	7.9	7.9	7.7	7.7	9.5		6.2		3.3	7.8

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

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	8	E	11	NE	12	E	7	E	4	E	7	E	6	E	7	E	9	E	23	8	20	E	9.52
E	10	E	7	E	11	E	7	E	13	NE	14	NE	16	NE	18	NE	7	E	20	9	26	NE	20.52
SW	14	SW	12	SW	10	SW	3	C	0	C	0	C	0	C	0	C	0	SW	14	10	38	SW	6.26
W	8	W	4	W	2	N	2	N	5	N	4	N	6	N	5	N	9	N-C	9	4	16	W	15.20
W	15	W	12	W	8	W	7	W	8	W	8	W	8	W	11	W	6	N-W	10	10	26	W	14.36
NW	17	NW	15	NW	10	N	7	N	12	N	11	N	9	N	9	N	12	NW	9	9	28	NW	12.27 13.18
W	5	W	3	SW	2	C	1	SE	13	SE	13	SE	11	SE	14	SE	14	N	10	13	38	NW	11.08
SE	8	SE	7	SE	6	E	6	E	6	SE	2	E	5	E	4	E	5	SE	15	9	35	SE	13.06
E	5	E	6	E	4	E	4	NE	3	NE	6	NE	8	E	2	C	0	E	8	4	17	N	12.20
NW	17	NW	9	N	7	NE	6	NE	8	NE	7	NE	3	E	3	E	5	N	13	12	39	N	9.20
S	15	S	18	S	17	S	17	S	14	S	13	S	10	S	5	S	4	S	17	8	42	S	16.20
S	8	S	5	S	5	S	3	S	2	S	4	SE	7	SE	6	SE	5	S	16	6	22	S	13.05
E	6	NE	8	NE	3	E	2	E	5	E	6	E	7	E	4	E	4	E-SE	8	5	18	E	12.12
E	13	E	9	E	7	E	5	E	10	E	11	E	12	E	10	E	11	E	15	10	38	E	12.54
E	7	E	8	E	7	E	6	S	4	E	2	E	3	C	1	S	2	NE	11	8	15	N	11.58
E	11	E	12	E	4	E	11	E	6	E	7	E	4	E	3	E	3	E	11	6	20	E	17.26
SE	8	SE	5	SE	4	SE	3	SE	3	SE	4	C	1	C	0	E	2	SE	21	6	20	SE	8.04 15.30
W	10	NW	9	NW	5	NW	5	NW	7	NW	8	NW	9	NW	11	NW	11	NW	9	5	16	W	23.18
SW	10	SW	7	C	1	C	0	C	1	C	1	C	1	E	5	E	3	SW	10	6	26	SW	0.09
NE	17	NE	15	NE	9	NE	8	NE	7	NE	11	NE	15	NE	13	NE	9	NE	18	12	38	NE	13.38
S	12	S	13	S	13	S	15	S	16	S	19	S	24	S	24	S	25	S	16	12	56	S	22.28
S	9	S	9	SW	5	W	5	W	2	W	5	W	2	SW	4	SW	4	S	17	12	52	S	0.21
E	2	E	2	C	1	E	2	E	4	C	1	C	0	N	5	C	1	C	7	3	16	NW	11.39 12.39
W	4	W	2	C	0	E	2	C	0	C	0	C	0	C	1	C	0	C	13	2	15	NW	10.40
E	6	E	8	E	10	E	8	E	8	E	8	E	6	E	6	E	3	E	9	6	18	SE	11.28
NE	3	N	5	N	3	N	3	C	0	C	0	C	0	C	1	C	1	C	9	3	16	NE	10.28
E	9	E	7	E	8	E	7	E	4	E	3	E	3	C	1	E	2	E	9	4	22	E	11.56
E	7	E	8	E	6	E	3	E	5	E	5	E	5	E	4	E	2	E	13	5	20	E	13.36 14.12
E	9	E	9	E	10	E	7	E	4	E	4	E	2	C	1	SE	4	E	15	6	32	E	12.48
NE	7	NE	6	E	5	E	4	E	6	E	7	E	6	E	4	E	5	E	13	4	24	E	11.00
E		E		E		E		E		E		E		E		E		PREVAL. MENSUAL		VELOC. MEDIA HORARIA EN EL MES	MÁXIMA DEL MES		
																		DIR.	HORAS		84 Km.		
12		11		10		15		12		10		11		11		12					DIREC.	DÍA	HORA
	9		8		6		5		6		6		6		6		6	E	183	7	S	22	de 0.55 a 1.00

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	12	23	188												200
2			4	47	20	165												212
3	1	9									16	195	4	43			5	247
4	9	53											4	16	2	22	9	91
5	10	95											10	99	4	48		242
6	6	60									2	7	7	29	9	122		218
7	10	130					5	65			1	2	2	8	5	97	1	303
8					9	82	15	133										215
9	3	22	3	17	8	40	1	4	3	9			1	2			5	96
10	13	165	4	24	2	8									5	90		287
11	1	6			5	15			17	160							1	182
12							3	18	16	92	5	22						132
13			2	11	8	39	8	53	4	10							2	114
14	1	2	8	109	15	132												243
15	4	36	11	109	6	33			2	6							1	185
16					11	78	5	43	8	33								154
17					1	2	21	132									2	135
18	6	26					1	2	3	9			1	10	9	70	4	118
19					2	8			5	26	10	96	2	6			5	140
20	5	39	18	239	1	5												283
21					5	48	3	20	16	216								284
22									17	270	3	13	4	14				297
23	4	20			4	10			4	11	1	6	1	7	3	16	7	75
24	5	28			1	2							3	8	2	13	13	53
25					9	63	6	38	8	39							1	140
26	3	11	7	40	3	11	2	6									9	73
27					9	53	5	28			4	11					6	96
28					13	83	7	34									4	121
29					15	125	8	23									1	149
30			9	46	13	50											2	97
31																		
SUMAS	81	702	67	654	183	1240	90	599	103	881	40	354	39	242	39	478	78	5182
% PREVAL POR VELOCIDAD	13.6		12.6		23.9		11.6		17.0		6.8		4.7		9.2		0.6	VELOCIDAD MEDIA DIARIA EN EL MES
VELOCIDAD MEDIA POR DIRECCIÓN	8		9		7		7		8		9		6		12		0.4	173

FRECUENCIA HORARIA MENSUAL DE DIRECCIONES

HORAS	DIRECCIONES								
	NORTE	NORESTE	ESTE	SUDESTE	SUD	SUDOESTE	OESTE	NOROESTE	CALMA
0 - 1	5	1	9	4	3	3	1		4
1 - 2	4	1	6	5	7	1	2		4
2 - 3	4	2	6	4	7	1	2		4
3 - 4	5	1	6	3	8	3	1		3
4 - 5	4	2	3	3	7	2	2		7
5 - 6	4	1	4	3	6	2	1		9
6 - 7	4	2	4	6	4	2	2		6
7 - 8	3	4	3	6	5	2	2		5
8 - 9	6	4	4	7	3	2	1		3
9 - 10	7	5	6	6	3	2		1	
10 - 11	5	5	6	5	4	2		3	
11 - 12	4	3	5	6	4	2		5	1
12 - 13	4	4	4	6	4	2		6	
13 - 14	3	3	6	4	5	2	1	6	
14 - 15	2	3	7	3	5	2	3	5	
15 - 16		3	12	2	4	2	5	2	
16 - 17	1	3	11	2	4	2	4	3	
17 - 18	2	3	10	2	3	3	2	2	3
18 - 19	3	2	15	1	3	1	2	1	2
19 - 20	2	3	12	2	4		2	1	4
20 - 21	2	4	10	3	3		2	1	5
21 - 22	2	4	11	2	2		2	1	6
22 - 23	3	2	11	2	2	1	1	1	7
23 - 24	2	2	12	3	3	1	1	1	5
SUMAS	81	67	183	90	103	40	39	39	78
% de frec. por dirección	11.2	9.3	25.4	12.5	14.3	5.6	5.4	5.4	10.8

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	VISIBILIDAD 14h	VISIBILIDAD 20h
											90 - 99		
1	Ns	8	Ns	8	Ns	8	St	8	St	8	96	95	94
2	Fs	8	Fs	8	Ns	8	Ns	8	Ns	8	6	6	7
3	Sc	8	Cu	6	Cu	5	Claro	0	Claro	0	8	9	8
4	Ci	7	Ci Cu	3	Cu	1	Claro	0	Claro	0	3	8	7
5	Claro	0	Ci	2	Ci	1	Claro	0	Claro	0	8	8	8
6	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	7	9	8
7	Claro	0	Ci	2	Claro	0	Cu	2	Claro	0	8	7	8
8	Claro	0	Cu	7	Ac	7	St	8	St	8	8	7	7
9	Claro	0	Cu Sc	7	Cu	2	Ci	2	Ci	3	7	9	8
10	Claro	0	Cu	2	Claro	0	Sc	4	Sc	4	8	7	7
11	Sc	3	Cu	5	St	7	Fs	8	Sc	8	7	7	7
12	Claro	0	Cu	3	Cu	4	Sc	3	Claro	0	8	8	8
13	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	7	7
14	Ci Cu	6	Ac	7	Ac Ac	8	St Sc	8	St	8	8	8	8
15	St Sc	8	Sc	7	St	8	Sc	6	Ac	7	8	8	7
16	Niebla	8	Ci 7 Sc 1	8	Cu	8	Cu	6	Claro	0	1	5	7
17	St	8	Sc	7	Sc	5	Sc 1 Cu 2	3	Claro	0	7	7	7
18	Niebla	8	Cu	1	Claro	0	Sc	1	Claro	0	2	6	7
19	Claro	0	Claro	0	Claro	0	Claro	0	Claro	0	8	9	8
20	Claro	0	Claro	0	Claro	0	Sc	5	Ac	7	8	8	8
21	St	8	Fs	8	Fs	8	Fs	8	Fs	8	6	7	7
22	St	8	Cu	5	Sc	7	Sc	3	Ac	2	8	8	8
23	Claro	0	Cu 4 Ac 2	6	Cu	5	Sc	8	Claro	0	5	8	8
24	Cu 1 Cu 1	2	Cu 5 Ci 2	7	Cu 3 Ci 3	6	Cu	1	Claro	0	7	7	8
25	Cc	1	Ac	8	Ac Ac	8	Sc	8	Sc	6	8	8	8
26	Ac	8	Ac	8	Ac	8	Ac	8	Claro	0	6	7	8
27	Cc	3	Cu 2 Cu 2	4	Cu 4 Cu 4	8	Cu	8	Claro	0	5	7	8
28	Ac	7	Sc	8	St	8	Sc 1 Ci Cu 7	8	Ac	6	7	7	7
29	Cu	2	Cu	6	Cu 3 Cu 2	5	Ac	7	Ac	5	5	8	8
30	Ac	7	Sc	6	Cu 3 Cu 5	8	Claro	0	Claro	0	7	7	8
31													
Prom.		4		5		5		4		3			

RADIACIÓN SOLAR

Días	Hora	Bulbos Negro °C	Bulbos Blanco °C	Calorías Gr. Cal. Cm². min.	Nubes 0-8	Insolación	Transparencia	Observaciones
	9				8	0	3	Ll., Ne.
	10				8	0	5	Am.
1	12				8	0	5	Ll.
	14				8	0	3	Ll., Ne.
	15				8	0	5	Am.
	9				8	0	3	Ll., Ne.
	10				8	0	3	Ll., Ne.
2	12				8	0	3	Ll., Ne.
	14				8	0	3	Ll., Ne.
	15				8	0	3	Ll., Ne.
	9	19.3	14.7	0.37	8	0	5	
	10	24.7	16.4	0.67	7	1	5	
3	12	40.7	32.5	0.67	6	3	5	
	14	34.5	20.9	1.10	5	3	5	
	15	37.1	21.6	1.26	2	5	5	
	9	24.0	15.9	0.66	8	2	2	R.
	10	23.9	16.4	0.61	7	2	5	
4	12	38.2	21.9	1.33	3	4	5	
	14	37.3	22.2	1.23	1	5	5	
	15	37.2	22.2	1.22	1	5	5	
	9	31.3	16.3	1.22	0	5	5	
	10	35.2	19.3	1.29	0	5	5	
5	12	38.7	22.3	1.33	2	4	5	
	14	38.5	23.1	1.25	1	5	5	
	15	36.7	22.1	1.19	1	5	5	
	9	32.9	17.0	1.29	0	5	5	
	10	37.4	20.6	1.36	0	5	5	
6	12	39.0	22.9	1.31	0	5	5	
	14	39.0	23.0	1.30	0	5	5	
	15	37.7	22.6	1.23	0	5	5	
	9	35.0	20.1	1.21	0	5	5	
	10	39.7	23.5	1.32	3	4	5	
7	12	41.7	26.0	1.28	2	5	5	
	14	41.6	26.4	1.24	0	5	5	
	15	39.6	25.4	1.15	0	5	5	
	9	30.9	15.2	1.24	1	5	5	
	10	34.8	17.8	1.38	3	5	5	
8	12	31.9	18.2	1.11	7	3	5	
	14	32.7	18.7	1.14	7	3	5	
	15	32.4	18.0	1.17	7	3	5	
	9	29.9	15.2	1.20	0	5	5	
	10	22.0	14.2	0.63	7	1	4	Ne.
9	12	35.0	19.3	1.28	7	2	5	
	14	35.0	19.5	1.26	2	5	5	
	15	35.4	19.4	1.30	2	5	5	
	9	35.4	20.0	1.25	0	5	5	
	10	39.6	23.0	1.35	3	3	5	
10	12	41.6	25.6	1.30	2	5	5	
	14	41.5	26.6	1.21	0	5	5	
	15	38.0	25.5	1.02	1	5	5	
	9	37.4	23.0	1.17	5	4	4	
	10	39.4	23.2	1.32	1	5	3	Ne.
11	12	38.0	26.0	0.97	5	3	3	Ne.
	14	29.5	23.8	0.46	7	0	4	
	15	23.0	18.0	0.41	7	0	5	
	9	32.5	16.0	1.34	0	5	5	
	10	34.0	16.6	1.41	0	5	5	
12	12	36.4	19.8	1.35	3	5	5	
	14	37.5	20.5	1.38	4	5	5	
	15	38.5	20.9	1.43	2	5	5	
	9	30.5	13.2	1.41	0	5	5	
	10	32.9	15.2	1.44	0	5	5	
13	12	35.7	17.9	1.45	0	5	5	
	14	35.1	18.1	1.38	0	5	5	
	15	33.8	17.7	1.31	0	5	5	
	9	31.1	14.2	1.37	6	4	5	
	10	34.0	16.1	1.46	6	4	5	
14	12	30.9	16.4	1.18	7	2	5	
	14	23.1	15.0	0.66	8	0	5	
	15	18.2	13.9	0.35	8	0	5	
	9	14.6	12.6	0.16	8	0	5	
	10	19.0	14.2	0.39	8	0	5	
15	12	27.3	18.2	0.74	7	0	5	
	14	29.4	20.3	0.74	8	0	5	
	15	24.8	19.2	0.46	7	0	5	
	9	25.1	16.0	0.74	8	0	3	Ne.
	10	39.2	21.2	1.46	5	3	3	Ne.
16	12	40.6	24.1	1.34	8	4	3	Ne.
	14	37.5	23.5	1.14	8	4	3	Ne.
	15	35.8	22.5	1.08	5	4	3	Ne.
	9	17.3	13.3	0.32	8	0	5	
	10	18.4	14.5	0.32	8	0	5	
17	12	27.2	18.0	0.75	7	1	5	
	14	38.9	22.2	1.36	5	3	5	
	15	32.7	20.7	0.97	4	3	5	
	9	20.0	14.0	0.49	8	0	3	Ne.
	10	36.6	19.4	1.40	2	3	4	
18	12	40.0	23.1	1.37	1	5	4	
	14	39.0	23.1	1.29	0	5	4	R.
	15	39.2	23.8	1.25	0	5	4	R.
	9	35.6	19.0	1.35	0	5	5	
	10	38.1	20.5	1.43	0	5	5	
19	12	40.1	22.5	1.43	0	5	5	
	14	39.9	22.9	1.38	0	5	5	
	15	38.0	20.5	1.42	0	5	5	
	9	36.6	20.6	1.30	0	5	5	
	10	39.0	22.7	1.33	0	5	5	
20	12	40.5	24.7	1.28	0	5	5	
	14	40.7	25.9	1.20	0	5	5	
	15	40.6	25.7	1.21	0	5	5	
	9	18.0	14.1	0.32	8	0	4	Ne.
	10	18.9	14.2	0.38	8	0	4	Ne.
21	12				8	0	4	Ll.
	14				8	0	4	Ll.
	15				8	0	4	Ll.
	9	15.0	11.5	0.28	8	0	5	
	10	17.7	12.5	0.42	8	0	5	
22	12	38.0	20.7	1.41	5	3	5	
	14	26.7	18.0	0.71	7	1	5	
	15	22.9	17.0	0.48	7	1	5	
	9	35.2	18.6	1.35	2	3	3	Ne.
	10	35.9	20.5	1.25	7	3	3	Ne.
23	12	43.3	24.5	1.53	6	3	5	
	14	42.4	24.0	1.50	5	3	5	
	15	38.4	23.5	1.21	7	3	5	
	9	36.9	21.0	1.29	6	4	5	
	10	41.0	23.5	1.42	6	3	5	
24	12	43.7	25.7	1.46	7	3	5	
	14	40.4	25.2	1.24	6	3	5	
	15	39.6	24.9	1.20	7	3	5	
	9	34.0	17.0	1.38	0	5	5	
	10	37.0	19.4	1.43	2	5	5	
25	12	26.0	17.2	0.72	8	0	5	
	14	22.0	16.3	0.46	8	0	5	
	15	19.1	15.5	0.29	8	0	5	
	9	31.7	16.5	1.24	8	2	3	Ne.
	10	27.6	16.0	0.94	8	1	5	
26	12	25.6	16.1	0.77	8	1	5	
	14	24.2	15.9	0.67	8	1	5	
	15	29.6	17.8	0.96	8	1	5	
	9	33.6	17.8	1.28	0	5	3	Ne.
	10	35.6	20.1	1.26	4	3	3	Ne.
27	12	38.8	22.2	1.35	4	3	4	
	14	36.2	21.4	1.20	8	3	4	
	15	36.0	20.6	1.25	7	3	4	
	9	26.6	15.0	0.94	8	0	5	
	10	27.2	16.2	0.88	8	0	4	
28	12	23.1	16.2	0.56	8	0	5	
	14	17.4	14.0	0.28	8	0	4	
	15	13.8	12.2	0.13	8	0	5	
	9	34.3	16.7	1.43	5	3	5	
	10	34.2	17.2	1.38	5	3	5	
29	12	26.1	16.0	0.82	6	3	5	
	14	35.9	19.2	1.36	5	3	5	
	15	35.9	18.9	1.38	5	3	5	
	9	36.2	18.8	1.41	5	3	5	
	10	33.2	18.9	1.16	6	3	5	
30	12	33.2	19.4	1.12	6	3	5	
	14	37.0	21.0	1.30	8	3	4	
	15	35.7	20.7	1.22	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															0.0	11.3	00
2															0.0	11.3	00
3						0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.2		7.0	11.4	61
4			0.2	0.1		0.3	1.0	1.0	1.0	1.0	1.0	1.0	0.1		6.7	11.4	59
5			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.2		9.0	11.4	79
6		0.1	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1		9.8	11.5	85
7			0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.7	11.5	84
8			0.6	1.0	1.0	1.0	0.8	0.6	1.0	1.0	0.5				7.5	11.5	65
9			0.7	1.0	1.0	0.3	0.7	1.0	1.0	1.0	1.0	1.0			8.7	11.6	75
10			0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1		9.8	11.6	84
11			0.1	1.0	1.0	1.0	1.0	1.0	0.6	0.1					5.8	11.6	50
12			0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.3		9.6	11.7	82
13			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			10.0	11.7	86
14		0.2	1.0	1.0	1.0	1.0	1.0	0.5							5.7	11.7	49
15						0.1	0.1		0.1	0.3					0.6	11.8	05
16					0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.4			7.1	11.8	60
17							0.2	1.0	1.0	1.0	1.0	0.8			5.0	11.9	42
18					0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4		7.9	11.9	66
19		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
20		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	12.0	90
21															0.0	12.0	00
22							1.0	1.0	1.0	0.3	0.8	1.0	0.4		5.5	12.0	46
23			0.8	1.0	1.0	1.0	1.0	0.7	1.0	0.7	0.4				7.6	12.1	63
24			0.4	1.0	1.0	0.8	1.0	1.0	1.0	0.8	1.0	1.0	0.4		9.4	12.1	78
25			0.9	1.0	1.0	1.0	0.8	0.1							4.8	12.1	40
26			0.1		0.2	0.2	0.5								1.0	12.2	08
27		0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.9				8.9	12.2	73
28		0.2	1.0	0.9	0.5	0.6	1.0	0.3	0.1						4.6	12.3	37
29			0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			9.1	12.3	74
30			0.5	0.5	1.0	0.9	0.9	0.4	1.0	1.0	1.0	1.0	0.3		8.5	12.3	69
31																	
Medias		0.1	0.5	0.6	0.7	0.7	0.8	0.7	0.7	0.7	0.6	0.5	0.1		6.7	11.8	57

GEOTEMPERATURA

DÍAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h	8^h	14^h	20^h
1	13.8	13.7	13.9	13.5	13.6	13.7	11.8	11.7	11.7	12.2	12.1	12.2	-	-	-
2	14.0	14.3	14.6	13.6	14.0	14.2	11.6	11.7	11.8	12.0	11.9	12.1	-	-	-
3	14.4	16.2	14.7	14.0	15.1	14.6	12.2	12.2	12.6	12.4	12.4	12.7	-	-	-
4	11.8	15.6	14.6	12.3	14.2	14.3	11.4	11.5	12.0	12.3	12.3	12.4	-	-	-
5	12.3	16.2	14.7	12.4	14.4	14.3	11.5	11.6	12.1	12.2	12.2	12.4	-	-	-
6	11.6	15.6	14.6	12.2	14.3	14.0	11.0	11.4	12.0	12.0	11.8	12.2	-	-	-
7	12.4	16.4	14.6	12.5	14.7	14.9	11.4	11.8	12.4	12.0	12.2	12.3	-	-	-
8	12.6	14.1	13.9	13.0	14.2	13.8	12.5	11.9	12.0	12.1	12.5	12.1	-	-	-
9	11.9	15.0	13.8	12.3	13.8	13.8	11.2	11.4	11.8	12.2	12.0	12.3	-	-	-
10	12.3	16.6	15.7	12.4	14.8	15.0	11.2	17.7	12.4	12.1	12.3	12.6	-	-	-
11	14.4	18.0	15.5	14.1	16.2	15.4	12.3	12.6	13.8	12.6	12.7	13.2	-	-	-
12	12.6	15.8	14.0	13.1	14.8	14.2	12.0	12.0	12.6	12.7	12.6	12.8	-	-	-
13	11.2	14.7	13.2	11.9	13.9	13.4	11.5	11.6	11.9	12.4	12.4	12.4	-	-	-
14	10.6	13.4	13.0	11.3	12.7	12.5	10.3	10.5	11.0	11.6	11.5	11.6	-	-	-
15	12.7	14.3	14.6	12.4	13.2	13.7	11.0	11.3	11.6	11.7	11.8	11.8	-	-	-
16	13.0	16.8	15.2	13.0	15.4	14.8	11.4	11.8	12.6	12.0	12.1	12.6	-	-	-
17	13.6	15.7	14.7	13.5	14.5	14.5	12.1	12.3	12.4	12.7	12.8	12.6	-	-	-
18	12.8	17.2	15.3	12.9	15.3	14.9	11.7	12.4	12.8	12.5	12.6	12.9	-	-	-
19	13.0	17.0	14.8	13.3	15.4	14.9	12.2	12.4	13.2	12.8	12.6	12.6	-	-	-
20	12.6	16.6	15.5	12.9	15.1	14.9	11.9	12.3	12.9	12.8	12.8	13.3	-	-	-
21	14.4	14.6	14.0	14.2	14.4	14.0	12.5	12.4	12.5	13.0	12.6	12.9	-	-	-
22	13.0	15.2	11.5	13.1	14.2	14.2	11.8	11.8	12.2	12.5	12.3	12.5	-	-	-
23	11.7	16.2	15.5	12.2	14.7	14.8	11.2	11.6	12.6	12.2	12.0	12.4	-	-	-
24	12.8	17.4	16.2	13.1	15.7	15.6	12.0	12.4	13.2	12.6	12.7	13.1	-	-	-
25	13.2	16.2	14.5	13.6	15.2	14.6	12.3	12.5	12.6	13.0	12.8	13.0	-	-	-
26	12.6	14.9	13.8	12.6	13.9	13.7	11.8	11.7	11.9	12.7	12.4	12.5	-	-	-
27	10.8	15.3	13.8	11.6	14.0	13.9	10.7	15.2	12.9	12.0	13.8	11.1	-	-	-
28	11.2	14.3	12.8	11.8	13.4	13.0	11.1	11.0	11.4	12.1	11.8	11.8	-	-	-
29	11.4	15.1	12.7	11.7	13.6	13.4	10.9	11.2	11.6	11.8	11.8	12.3	-	-	-
30	11.8	15.6	14.0	12.0	13.8	13.8	10.6	11.3	11.8	11.7	11.7	12.0	-	-	-
31															
Prom.	12.5	15.6	14.3	12.7	14.4	14.2	11.6	12.1	12.3	12.3	12.3	12.4	-	-	-

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	6.2	6.8	6.0	5.1	2	0.5	0.0	0.1	0.1							10583
2	13.3	14.1	13.1	12.0	2	0.0	0.1	0.1	0.6							10572
3					2	0.4	0.8	1.2	2.3							10544
4					2	0.3	1.2	0.9	2.5	F. 9	21.4	19.4	23.3			10551
5					1	0.4	1.4	1.1	2.9							10552
6					0	0.4	1.8	1.4	3.8							10551
7					0	0.6	1.9	2.0	4.2							10545
8	0.3	0.6	0.0	0.0	0	0.3	1.5	1.3	3.2							10548
9					0	0.4	0.9	0.7	1.9	F.10	20.3	18.6	24.4			10552
10					0	0.3	1.0	1.1	2.3							10546
11					0	0.2	0.7	1.1	2.2							10543
12					0	0.4	1.1	1.1	2.5							10551
13					0	0.3	1.1	0.9	2.4							10568
14					0	0.4	1.4	0.8	3.7	F.11	17.9	17.9	25.9			10569
15					0	1.5	0.7	0.4	1.2							10547
16					0	0.1	0.7	0.8	1.7							10545
17					0	0.2	0.5	0.6	1.2							10547
18					0	0.1	0.6	1.2	2.5							10547
19					0	0.7	1.5	1.1	3.1	F.12	13.3	17.4	24.7			10553
20	1.2	1.4	1.2	1.0.	0	0.5	2.4	2.4	6.3							10554
21	10.7	10.7	9.2	9.0	0	1.5	0.5	0.1	1.2							10551
22					2	0.6	0.6	0.6	1.3							10552
23					1	0.1	0.9	0.1	1.1							10558
24					1	0.1	1.2	0.7	2.6	F.13	18.1	14.9	23.7			10558
25					0	0.7	0.9	0.8	2.2							10555
26					0	0.5	0.9	0.9	2.0							10559
27					0	0.2	1.2	1.0	2.4							10561
28					0	0.2	0.9	0.5	1.9							10562
29					0	0.5	1.2	1.0	2.5	F.14	14.1	15.6	24.2	22.4		10568
30					0	0.3	0.8	1.5	2.4							10571
31																
Prom.	31.7	33.6	29.5	27.1	-	0.4	1.0	0.9	2.3	-	-	-	-	-	-	10555

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		
-	-	-	14.1	14.1	14.1	15.1	-	8.6	Cn. m. t. y n, LL.Ne. m. t. y n, R. t, Z. n.
-	-	-	14.2	14.2	14.2	15.1	-	11.6	Cn. m. t. y n, LL. m. t. y n, N. m, Ne. t. y n, Ru. m. t. y n.
-	-	-	14.2	14.2	14.3	15.0	-	10.5	Cn. m., Ca. t. y n., r. n.
-	-	-	14.1	14.3	14.3	15.0	-	1.3	Cn. m., Ca. t. y n., N. m., r. n.
-	-	-	14.2	14.3	14.3	15.1	-	2.4	Ca. m. t. y n., r. m. y n.
-	-	-	14.2	14.4	14.3	15.0	-	1.1	Ca. m. t. y n., r. m.
-	-	-	14.3	14.4	14.4	15.1	-	2.7	Ca. m. t. y n., r. m. y n., Ns. n.
-	-	-	14.3	14.4	14.4	15.1	-	2.6	Ca. m., Cn. t. y n., LL. n.
-	-	-	14.4	14.5	14.4	15.1	-	0.6	Cn. m., Ca. t. y n., r. m. y n.
-	-	-	14.5	14.4	14.5	15.2	-	2.4	Ca. m. y t., Cn. n., r. m.
-	-	-	14.6	14.6	14.6	15.2	-	8.6	Cn. m. t. y n., r. m., Ne. t.
-	-	-	14.6	14.6	14.6	15.1	-	- 0.5	Ca. m. y n., Cn. t., N. m., r. n.
-	-	-	14.6	14.7	14.6	15.2	-	- 3.4	Ca. m. t. y n., h. m., r. n.
-	-	-	14.6	14.6	14.6	15.2	-	- 3.6	Cn. m. t. y n., h. m.
-	-	-	14.6	14.7	14.6	15.3	-	9.4	Cn. m. t. y n., r. n.
-	-	-	14.6	14.6	14.6	15.2	-	5.7	Cn. m. y t., Ca. n., N. m., Ne. t. y n.
-	-	-	14.7	14.7	14.7	15.4	-	4.5	Cn. m. y t., Ca. n., r. m. y n.
-	-	-	14.7	14.7	14.7	15.3	-	1.0	Cn. m., Ca. t. y n., N. Ne. m., B. t., Ne. n.
-	-	-	14.8	14.8	14.8	15.4	-	0.5	Ca. m. t. y n., r. m. y n.
-	-	-	14.8	14.8	14.9	15.4	-	0.1	Ca. m. y t., Cn. n., r. m.
-	-	-	14.8	14.8	14.9	15.4	-	11.2	Cn. m. t. y n, Ne. m, CH. m, LL. t. y r
-	-	-	14.9	15.0	14.9	15.4	-	7.9	Cn. m. y t., Ca. n., r. n.
-	-	-	15.0	15.0	15.0	15.4	-	1.0	Ca. m. y n., Cn. t., Ne. m.
-	-	-	15.0	15.0	15.0	15.4	-	-	Cn. m. y t., Ca. n., r. m. y n.
-	-	-	14.9	15.0	15.0	15.4	-	4.0	Ca. m., Cn. t. y n., r. m.
-	-	-	15.0	15.0	15.0	15.4	-	- 0.8	Cn. m. y t., Ca. n., Ne. m., r. n.
-	-	-	15.0	15.0	15.0	15.5	-	- 1.7	Ca. m. y n., Cn. t., Ne. m.
-	-	-	15.0	15.0	15.0	15.4	-	- 1.1	Cn. m. t. y n., r. m.
-	-	-	15.0	15.0	15.0	15.4	-	- 0.5	Ca. m., Cn. t. y n., Ne. m.
-	-	-	14.9	14.9	14.9	15.5	-	0.6	Cn. m. y t., Ca. n., r. n.
-	-	-	14.6	14.6	14.6	15.2	-	2.6	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESIÓN ATMOSFÉRICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANÍA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mb.	mb.			mb.			°C	°C	°C	°C			°C			Horas y Décimos		%
1ª	59.2	65.4	9	0,1	50.9	3	4	12.5	17.8	6.6	22.8	7	16	3.5	6	6-7	6.8	11.4	59
2ª	60.8	72.5	13	10,11	53.2	11	4	11.8	17.8	5.2	22.6	11	13-14	-0.7	13	6	7.3	11.8	62
3ª	62.9	69.8	29	18	52.9	21	3-4	10.6	16.4	4.4	21.2	24	16	1.1	27	3-4	5.9	12.2	49
MES	61.0	72.5	13	10,11	50.9	3	4	11.6	17.4	5.4	22.8	7	16	-0.7	13	6	6.7	11.8	57

DÉCADA	HUMEDAD DEL AIRE								VIENTO									LLUVIA				
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas				Instantáneas			Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Velocidad Máxima	Dirección	Día	Hora				
	%	%		%		mb.	mb.	mb.		Km/h	Km/h		Km/h			Km/h				mm.	mm.		mm.		
1ª	81	100	varios	30	6	8.4	12.5	4.2	N	10	60	7 1/10	25	7	10-11	39	N	10	9.20	21.5	14.1	2	5.0	2	12-13
2ª	77	100	varios	35	20	7.7	15.0	4.2	NE	12	48	14 1/20	23	20	14-15	42	S	11	16.20	1.4	1.4	20	-	-	-
3ª	79	100	varios	39	30	7.3	10.5	4.8	S	12	84	22	29	22	0-1	56	S	21	22.28	10.7	10.7	21	4.3	21	14-15
MES	79	100	varios	30	6	7.8	15.0	4.2	E	7	84	22	29	22	0-1	56	S	21	22.28	33.6	14.1	2	5.0	2	12-13

FRECUENCIAS decadicas 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	-	3	3	1	-	-	3	-	-	-	-	-	-	2	2	2
2ª	1	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-
3ª	-	-	5	-	-	-	-	1	-	-	-	-	-	-	-	-	-
MES	4	1	10	6	1	-	-	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	8	-	-	-	-	-	-	-	-	-	-	5	2	-	-	-
2ª	6	-	-	-	-	-	-	-	-	-	-	3	3	2	-	-
3ª	7	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-
MES	21	-	-	-	-	-	-	-	-	-	-	9	7	2	-	-